Health Risk Assessment

7825 San Leandro Street Project

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LIST OF ABBREVIATED TERMS

A	absorption factor from inhalation
ACES	Advanced Collaborative Emissions Study
ASF	age sensitivity factor
ASTs	Aboveground storage tanks
AB	Assembly Bill
APN	Assessor’s Parcel Number
AT	averaging time
ATCM	Airborne Toxic Control Measure
CARB	California Air Resources Board
CCAA	California Clean Air Act
CEQA	California Environmental Quality Act
COPC	Contaminant of Potential Concern
CPF	cancer potency factor
C_{air}	air concentration from model
C_i	air concentration of substance
DBR	daily breathing rate
DCA	1,2-Dichloroethane
DOORS	Diesel Off-Road Reporting System
DPM	Diesel Particulate Matter
DRRP	Diesel Risk Reduction Plan
Dose-air	dose through inhalation
EMFAC	Emission Factors Model
ED	exposure duration
EF	exposure frequency
°F	degrees Fahrenheit
FCAA	Federal Clean Air Act
FAH	fraction of time spent at home
GVWR	gross vehicle weight rating
HAP	hazardous air pollutant
HRA	health risk assessment
kg	kilogram
L	liter
MATES	Multiple Air Toxics Exposure Study
MEIR	Maximally Exposed Individual Receptor
mg	milligrams
$\mu g/m^3$	micrograms per cubic meter
MSAT	Mobile Source Air Toxic
NAAQS	National Ambient Air Quality Standards
NED	National Elevation Dataset
NESHAP	National Emissions Standards for Hazardous Air Pollutants
NO_2	nitrogen dioxide
NO_X	nitrogen oxides

LIST OF ABBREVIATED TERMS (CONTINUED)

O_3	ozone
OEHHA	Office of Environmental Health Hazard Assessment
PAH	polycyclic aromatic hydrocarbon
PCBs	polychlorinated biphenyls
PCE	tetrachloroethene
PM	particulate matter
PM_{10}	particulate matter less than 10 microns in diameter
$PM_{2.5}$	particulate matter less than 2.5 microns in diameter
PERP	Portable Equipment Registration Program
REL	Reference Exposure Level
REL_i	Reference Exposure Level of substance
$Risk_{inh-res}$	residential inhalation cancer risk
SB	Senate Bill
SVOC	semi-volatile organic compounds
TAC	Toxic Air Contaminant
TCE	trichloroethene
TPH	petroleum hydrocarbons
U.S. EPA	United States Environmental Protection Agency
VOC	volatile organic compound

1.0 INTRODUCTION

The purpose of this Health Risk Assessment (HRA) is to evaluate potential health risks associated with offsite exposure to Toxic Air Contaminants (TAC) including Diesel Particulate Matter (DPM) and impacted soils resulting from the implementation of the proposed 7825 San Leandro Street Project (Project). This HRA was prepared in accordance with the requirements of the Bay Area Air Quality Management District (Bay Area Air District) and guidance from the Office of Environmental Health Hazard Assessment (OEHHA) to determine if health risks are likely to occur as a result of Project activities. Technical data are included as Appendix A: Modeling Data.

1.1 Project Location

The Project site comprises approximately 14.9-acres located at 7825 San Leandro Street, in the City of Oakland, California; refer to Exhibit 1: Regional Vicinity and Exhibit 2: Site Vicinity. The Project site consists of 14 parcels (Assessor Parcel Numbers [APNs]: 041 417500302, 041 417501800, 041 417501600, 041 417501000, 041 417500600, 041 417500500, 041 417501700, 041 417501900, 041 42000102, 041 420900700, 041 420900101, 041 420900302, 041 420800100, and 041 420900801). The Project site is bound by Hegenberger Road to the north, San Leandro Street to the east, existing commercial uses and the Elmhurst Creek canal to the south, and train tracks to the west. The Project site is zoned as General Industrial (IG) and Commercial Industrial Mix-2 (CIX-2) districts with General Plan land use designations of Business Mix and General Industry and Transportation.

1.2 Project Description

The Project proposes to construction an approximately 311,000 square foot (sf) industrial building. The Applicant proposes a speculative warehouse at this time, as the future tenant and nature of the ultimate use are currently unknown. The main building entrance and employee amenity space would be located at the northern end of the building. The new facility would include up to 20,000 square feet of accessory office space with an additional 5,000 square feet of accessory office space would be provided at a mezzanine level; refer to Exhibit 3: Site Plan.

Automobile access would be provided via three driveways on the east side of the Project site from San Leandro Street. Trucks would access the site utilizing the southern driveways along San Leandro Street. Passenger vehicles would access the site through the northern driveway along San Leandro Street intersecting with 77th Avenue. Passenger vehicles would use this driveway to access the north employee parking area via the internal drive aisles along the western, southern, and eastern boundaries of the proposed warehouse building.

Hours of Operation

The tenant(s) of the warehouse facility has not been identified; therefore, the precise nature of facility operations cannot be determined at this time. Any future occupant would be required to adhere to the pertinent County regulations. For the purposes of this analysis, the hours of operation are assumed to be 7 days a week, 24 hours per day.

Construction Activities

Project construction is anticipated to being in April 2027 with a duration of approximately 22 months. Construction of the Project would require approximately 646,343 square feet of hardscape demolition. Earthwork activities would result in approximately 2,100 cubic yards (cy) of soil remediation export and 18,806 cy of import. In addition to site development, the Project would include on-site infrastructure improvements to remove and replace the existing sewer and stormwater pipelines. Construction of the Project would require the following phases: demolition, site preparation, grading, infrastructure improvements, building construction, paving, and architectural coatings.

1.3 Site Background

The Project site consists of the former AB&I Foundry and was previously developed with a two-story office building, multiple warehouses, a foundry and manufacturing building, a material storage area, and a parking lot. Currently, the Project site is covered with concrete and asphalt/concrete pavement with a small portion of soil along the southwestern edge of the Site.[1]

The former owner and operator (AB&I) operated a foundry at the Project site from at least 1940 until October 2022. During foundry operations, the Site was utilized for the manufacture of metal pipe and pipe fittings. Operations at the Site included the production of cast iron for the manufacturing of fittings and pipe from recycled scrap iron, pig iron, and steel, which it accepted and stockpiled on-Site. Major operations involved scrap metal melting, mold making, fitting and pipe casting, and final finishing and coating of pipes and fittings. AB&I ceased foundry operations in October 2022 and vacated the Project site in April 2023.[2]

The Project site has three site assessment records associated with the former industrial use (State Water Resources Control Board, 2024a). Two records have been closed (Case # SL18298719 and Case # RO0000092) while one record for a site cleanup program requirement case is still open and currently investigating non potable water contamination (Case # RO0003535). The open site assessment has been ongoing as of May 2022. [3]

Previous Environmental Studies

Environmental investigations and cleanup activities have been ongoing at the former AB&I Foundry site. One closed cleanup program site (Case #SL18298719) addressed contaminants such as arsenic, chromium, copper, and lead, which was formally closed in 2011 after a No Further Action letter was issued by the County. In addition, a closed leaking underground storage tank (LUST) case (Case #RO0000092) was associated with seven LUSTs on-site; this case was closed in November 2011 after all monitoring wells were properly decommissioned.[4]

In preparation for redevelopment, Duke Realty conducted a Phase I Environmental Site Assessment (ESA) in April 2022, followed by a limited Phase II investigation in May 2022. Soil, groundwater, and soil vapor samples identified exceedances of environmental screening levels (ESLs) for benzene in shallow soils and vinyl chloride in groundwater. A subsequent Demolition Memorandum was issued in April 2023, and Alameda County Department of Environmental Health (ACDEH) approved a Work Plan requiring further soil sampling, soil vapor probe installation, and quarterly groundwater monitoring.[5][6]

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[1] Haley & Aldrich, Inc. 2022. *ASTM Phase I Environmental Site Assessment, AB&I Foundry 7741, 7825, and 7929 San Leandro Street, Oakland, California*.

[2] Ibid.

[3] Roux. 2024. *Data Gap Investigation Report, AB&I Redevelopment, 7825 San Leandro Street, Oakland, California*.

[4] Roux. 2024. *Data Gap Investigation Report, AB&I Redevelopment, 7825 San Leandro Street, Oakland, California*.

On behalf of Prologis, Roux Associates conducted additional investigations in 2024 including installation of 64 passive soil gas samplers, eight groundwater monitoring wells, and collection of 30 soil samples. Laboratory testing, as summarized in the *Passive Soil Gas and Groundwater Investigation Report* (October 2024), found exceedances of applicable thresholds in soil vapor, and no exceedances in water. Recommendations include continued active soil gas sampling, evaluation of bioattenuation, additional soil investigations focused on hot spots and areas of future disturbance, and continued quarterly groundwater sampling even though monitoring indicated no additional investigation of ground water was warranted.[7]

Roux Associates also prepared a Data Gap Investigation Report in October 2024 to refine the Site Conceptual Model. This study further delineated VOCs assessed benzene in soil vapor and evaluated vapor intrusion risk. Findings indicated that the nearly complete redevelopment of the site with buildings and paved surfaces would eliminate direct soil contact. However, elevated soil vapor concentrations warranted the development of a Vapor Intrusion Conceptual Site Model in accordance with ACDEH guidance. Metals in soil were also found to exceed screening levels, although exceedances were sporadic and generally minor, with the exception of lead. Based on the results of these investigations and agency oversight, the site was determined to be suitable for industrial development.[8]

Project Remediation and Development

Between the closure of the former AB&I Foundry and the preparation of this analysis, the Project applicant, Prologis, has completed the above ground demolition of buildings and structures. However, hardscape demolition and environmental remediation will be required and is included within the site preparation and grading phases of the Project.

Due to past land uses and impacts encountered on the Project site, demolition activities may disturb soil, soil gas, and potentially groundwater containing contaminants, resulting in potential exposure of offsite populations to toxic air contaminants (TACs). Accordingly, this analysis evaluates TAC impacts associated with the disturbance of impacted soil during construction. In addition, scoping comment letters were received expressing concerns regarding potential TAC exposures during construction. Therefore, this analysis conservatively evaluates potential health risks associated with the short-term construction impacts associated with the impacted soil, over a lifetime exposure scenario, consistent with California Office of Environmental Health Hazard Assessment's (OEHHA) health-protective risk assessment methodology.

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[5] Haley & Aldrich, Inc. 2022. *ASTM Phase I Environmental Site Assessment, AB&I Foundry 7741, 7825, and 7929 San Leandro Street, Oakland, California*.

[6] Haley & Aldrich, Inc. 2022. *Limited Phase II Environmental Investigation, 7825 San Leandro Street, Oakland, California*.

[7] Roux. 2024. *Passive Soil Gas and Groundwater Investigation Report, AB&I Redevelopment, 7825 San Leandro Street, Oakland, California*.

[8] Roux. 2024. *Data Gap Investigation Report, AB&I Redevelopment, 7825 San Leandro Street, Oakland, California*.

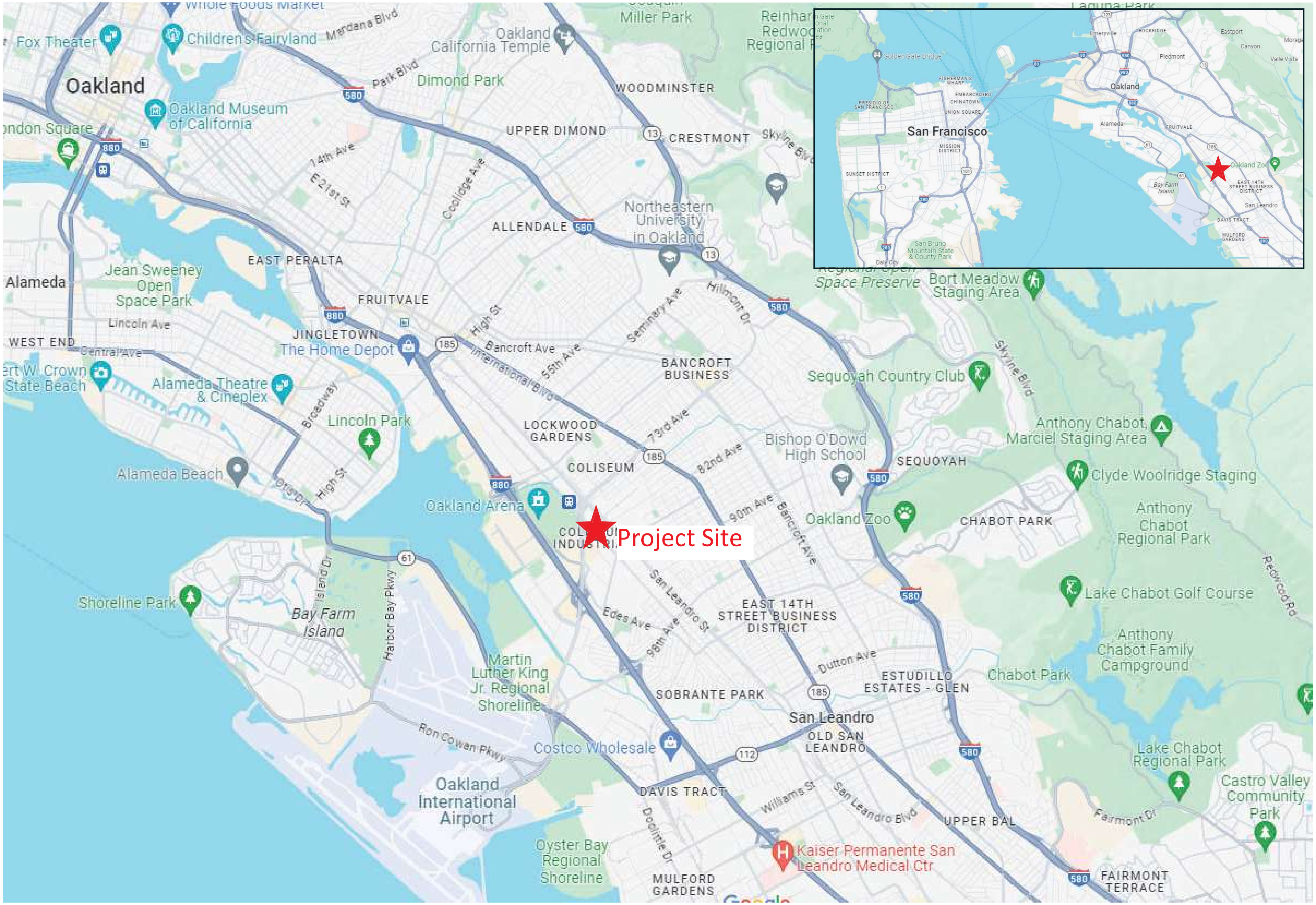
As discussed in the *7825 San Leandro Street Project Draft Environmental Impact Report (EIR)*, the Project would also be subject to several Standard Conditions of Approval (SCA) related to impacted soils. SCA HAZ-1, Hazardous Materials Related to Construction, requires the implementation of Best Management Practices (BMPs) during construction to prevent adverse impacts on groundwater, soils, and human health, including proper handling of chemicals and fuels, compliance with lead-safe practices, and immediate regulatory notification and response if impacted materials are encountered. SCA-2, Hazardous Building Materials and Site Contamination, requires the applicant to assess, manage, and remediate hazardous materials, soil, and groundwater under City-approved plans prepared by qualified professionals and in compliance with all applicable regulations. SCA-3, Environmental Site Assessment Required, requires the applicant to prepare and implement a City-approved Hazardous Materials Business Plan to ensure proper handling, employee training, and emergency response. The Project would also be required to implement Project Design Features (PDF) HRA-1.

Project Design Features

PDF HRA-1: Prior to issuance of grading and/or building permits (whichever occurs earliest), the Project applicant shall prepare and submit a Soil and Stockpile Management Plan (SSMP) to the Director of Planning, Building, and Code Enforcement, or the Director's designee. The plan shall detail best management practices (BMPs) for handling, stockpiling, covering, and transporting impacted soils during construction. The SSMP shall also be accompanied by a letter signed by a qualified air quality or environmental professional verifying that the proposed measures are consistent with Bay Area Air District requirements and the standards set forth below:

- **Stockpile Covering and Stabilization**
  - Stockpiles of impacted soil shall be covered with plastic sheeting or geotextile fabric at all times when not actively being worked.
  - Covers shall be anchored to prevent wind displacement.
  - For stockpiles left in place for more than 14 days, additional stabilization measures (e.g., tackifier or temporary vegetation) shall be applied.
  - In accordance with Bay Area Air District Regulation 8, Rule 40, soils containing volatile organic compounds (VOCs) in excess of 50 ppm by weight shall be segregated from clean soils, kept visibly moist or continuously covered, and either treated, backfilled, or removed from the site within applicable regulatory timelines.
- **Dust Suppression and Airborne TAC Control**
  - Apply water spray or misting during excavation, loading, and stockpiling to suppress fugitive dust emissions.
  - Water application shall be controlled to prevent excess runoff.
  - All disturbed areas shall be kept visibly moist, and visible dust beyond the property boundary is prohibited in accordance with Bay Area Air District Regulation 6, Rule 1.
- **Perimeter and Stormwater Controls**
  - Stockpiles shall be located at least 50 feet from storm drain inlets, drainage channels, and sensitive receptors where feasible.

  - Install silt fences, fiber rolls, or berms around stockpiles to prevent migration of soil or runoff.
  - Storm drain inlets adjacent to soil handling areas shall be protected with gravel bags, filter fabric, or equivalent BMPs.
- **Handling of Contaminated Soils**
  - Impacted soils identified with metals, VOCs, PAHs, or other contaminants above regulatory screening levels shall be segregated from clean soils.
  - Contaminated soils shall be transported in covered trucks to appropriate permitted disposal or treatment facilities.
  - Decontamination water, protective equipment, or other waste generated from soil handling shall be collected and managed in accordance with applicable hazardous waste requirements.
- **Equipment and Vehicle Controls**
  - All haul trucks transporting soils shall be covered with tarps and maintain at least 6 inches of freeboard.
  - Vehicle speeds on unpaved surfaces shall be limited to 15 mph.
  - Idling of diesel-powered construction equipment shall be minimized in accordance with CARB's Airborne Toxic Control Measure.
- **Inspections and Monitoring**
  - Stockpiles, covers, and BMPs shall be inspected daily during active construction.
  - Any torn covers, ineffective water suppression, or failing sediment barriers shall be repaired immediately.
  - If visible dust emissions or odors are observed, work shall be suspended until corrective measures are implemented.



Project Site
Oakland
San Francisco
Alameda
San Leandro
Oakland International Airport
Oakland Zoo
Coliseum
East 14th Street Business District
Bay Farm Island
580
880

Source: Google Earth, 2024

Exhibit 1: Regional Vicinity

7825 San Leandro Street Project

Technical Reports

Not to scale

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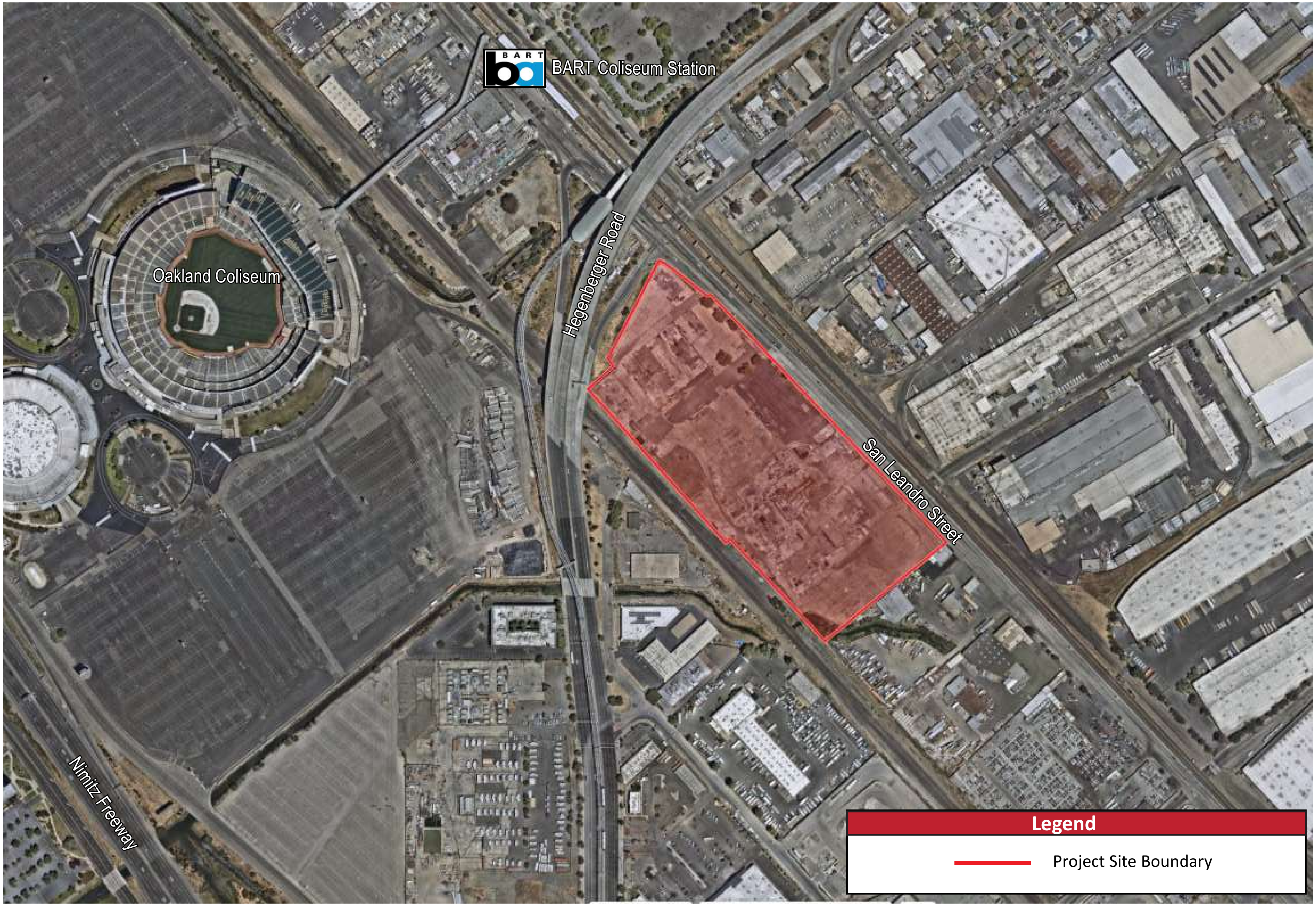
BART Coliseum Station
Oakland Coliseum
Hegenberger Road
San Leandro Street
Nimitz Freeway
Legend
Project Site Boundary

Source: Google Earth, 2024

Exhibit 2: Site Vicinity

7825 San Leandro Street Project
Technical Reports

Not to scale

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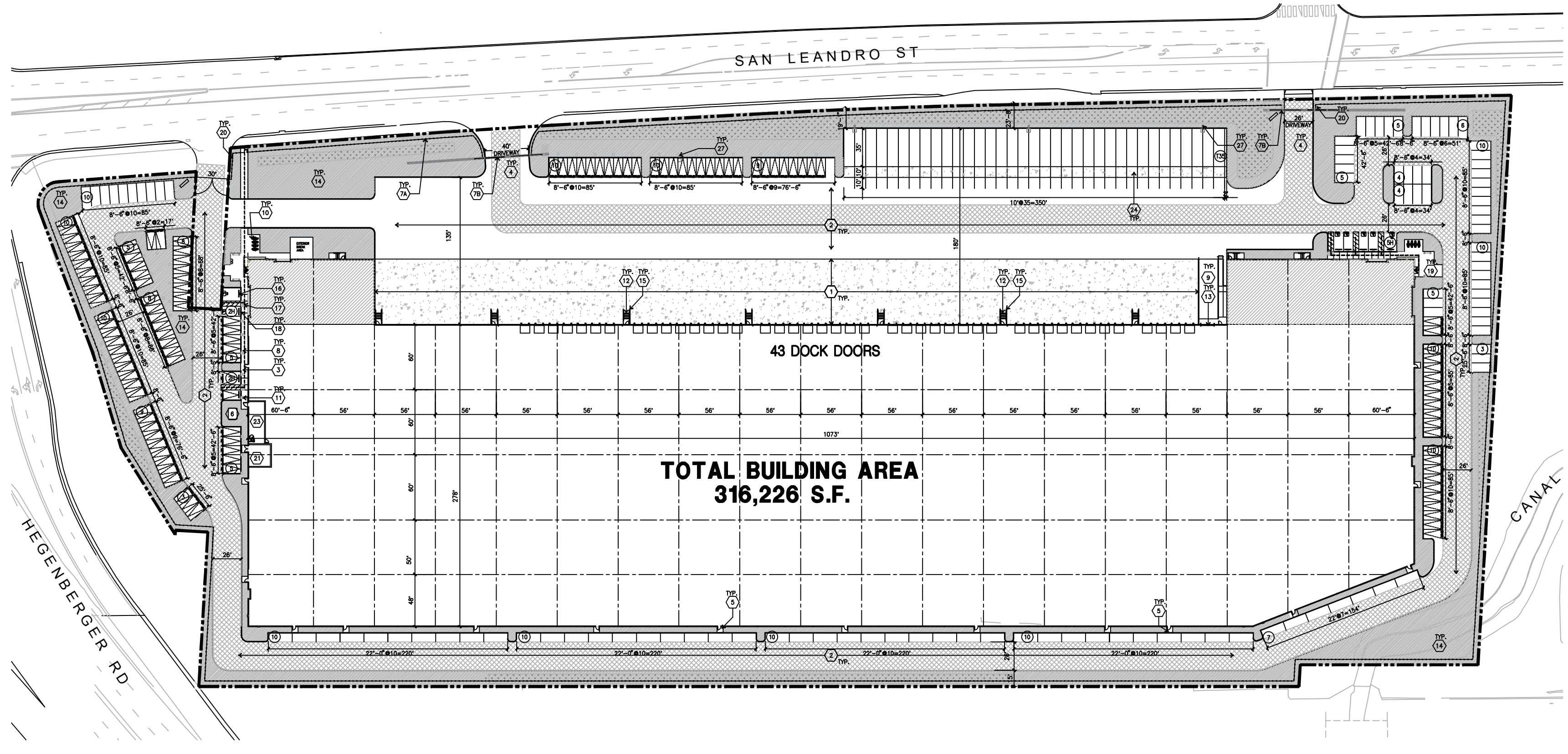

SITE PLAN KEYNOTES

1 HEAVY BROOM FINISH CONCRETE PAVEMENT.
2 ASPHALT CONCRETE (AC) PAVING
3 ACCESSIBLE PATH OF TRAVEL
4 DRIVEWAY APRONS
5 5'-6"X5'-6"X4" THICK CONCRETE EXTERIOR LANDING PAD TYP. AT ALL EXTERIOR MAN DOORS TO LANDSCAPED AREAS. FINISH TO BE MEDIUM BROOM FINISH SLOPE TO BE 1/4" : 12" MAX.
6 APPROXIMATE LOCATION OF TRANSFORMER.
7A 6' HIGH BLACK METAL TUBULAR STEEL SECURITY FENCE.
7B 6' HIGH BLACK METAL TUBULAR STEEL SECURITY GATE.
8 CONCRETE WALKWAY, MEDIUM BROOM FINISH. SEE "L" DRAWINGS.
9 CONCRETE RAMP WITH CONCRETE GUARD WALL. SEE "C" DRAWINGS.
10 SHORT TERM BIKE RACK.
11 FUTURE ELECTRIC VEHICLE CHARGER.
12 EXTERIOR METAL STEEL STAIR.
13 12' x 14' DRIVE-IN DOOR
14 LANDSCAPE.
15 CONC. FILLED GUARD POST 6" DIA. U.N.O. 48" H.
16 PRE-CAST CONC. WHEEL STOP.
17 TRUNCATED DOMES.
18 ACCESSIBLE PARKING STALL SIGN.
19 HARDSCAPE AT ENTRANCE.
20 ACCESSIBLE ENTRY SIGN.
21 PUMP ROOM.
22 NOT USED
23 ELECTRICAL ROOM.
24 CONCRETE DOLLY PAD. SEE SITE PLAN FOR WIDTH AND "C" DRAWINGS.
25 LONG TERM BIKE RACK.
26 NOT USED.
27 EXTERIOR PARKING LIGHT POLE.

SITE PLAN GENERAL NOTES

1. THE SITE PLAN BASED ON THE SOILS REPORT PREPARED BY GEOTECHNICAL ENGINEER, DATE, PROJECT NUMBER #
2. IF SOILS ARE EXPANSIVE IN NATURE, USE STEEL REINFORCING FOR ALL SITE CONCRETE
3. ALL DIMENSIONS ARE TO THE FACE OF CONCRETE WALL, FACE OF CONCRETE CURB OR GRID LINE U.N.O.
4. SEE "C" PLANS FOR ALL CONCRETE CURBS, GUTTERS AND SWALES
5. PROVIDE STRUCTURAL CALCULATION AND CONSTRUCTION ANCHORAGE DETAIL FOR TRANSFORMER PRIOR TO INSTALLATION.
6. SEE "C" DRAWINGS FOR POINT OF CONNECTIONS TO OFF-SITE UTILITIES. CONTRACTOR SHALL VERIFY ACTUAL UTILITY LOCATIONS.
7. PROVIDE POSITIVE DRAINAGE AWAY FROM BLDG. SEE "C" DRAWINGS.
8. CONTRACTOR TO REFER TO "C" DRAWINGS FOR ALL HORIZONTAL CONTROL DIMENSIONS. SITE PLANS ARE FOR GUIDANCE AND STARTING LAYOUT POINTS.
9. SEE "C"DRAWINGS FOR FINISH GRADE ELEVATIONS.
10. CONCRETE SIDEWALKS TO BE A MINIMUM OF 4" THICK W/ TOOLED JOINTS AT 6' O.C. EXPANSION/CONSTRUCTION JOINTS SHALL BE A MAXIMUM 12' EA. WAY W/ 1:20 MAX. SLOPE. EXPANSION JOINTS TO HAVE COMPRESSIVE EXPANSION FILLER MATERIAL OF 1/4". FINISH TO BE A MEDIUM BROOM FINISH
11. U.N.O. PROVIDE KNOX BOXES AT ALL OFFICE ENTRANCES.
12. PAINT CURBS AND PROVIDE SIGNS TO INFORM OF FIRE LANES AS REQUIRED BY FIRE DEPARTMENT.
13. ON-SITE FIRE MAIN, FIRE SPRINKLER, AND SPRINKLER MONITORING SYSTEM SHALL BE SUBMITTED SEPARATELY TO THE FIRE DEPARTMENT FOR REVIEW AND PERMITTING.
14. ALL VERTICAL MOUNTING POLES OF FENCING SHALL BE CAPPED.
15. LANDSCAPED AREAS SHALL BE DELINEATED WITH A MINIMUM SIX INCHES (6") HIGH CURB
16. ALL INTERIOR AND EXTERIOR WALK SURFACES TO BE NON-SLIP TYPE

SITE PLAN GENERAL LEGEND

- CONCRETE PAVING. SEE "C" DRWGS. FOR THICKNESS
- STANDARD PARKING STALL (8'-6" X 18')
- CLEAN AIR/VANPOOL/EV WITH CHARGER
- CLEAN AIR/ VANPOOL/EV WITH CONDUIT STUB FOR FUTURE EV WITHOUT CHARGER
- Ⓣ TRAILER PARKING (10' X 53')
- # NUMBER OF PARKING STALLS
- LANDSCAPED AREA
- ACCESSIBLE PARKING STALL (9" X 18') ACCESSIBLE AISLE
- ▨ ACCESSIBLE PARKING (VAN) STALL (12' X 18') + 5' W/ ACCESSIBLE AISLE
- PATH OF TRAVEL. MINIMUM WIDTH TO BE 4'. SLOPE NOT TO EXCEED 5% IN THE DIRECTION OF TRAVEL AND CROSS SLOPE NOT TO EXCEED 2%, SEE CIVIL FOR GRADING PLAN
- ▨ POTENTIAL OFFICE

Source: HPA, 2024

Exhibit 3: Site Plan

7825 San Leandro Street Project
Technical Reports

Not to scale

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2.0 ENVIRONMENTAL SETTING

2.1 Climate

The Project is within the San Francisco Bay Area Air Basin (SFBAAB), which comprises all of Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, and Santa Clara counties, the southern portion of Sonoma, and the southwestern portion of Solano County. SFBAAB is characterized by complex terrain, consisting of coastal mountain ranges, inland valleys, and bays, which distort wind flow patterns. The Coast Range splits resulting in a western coast gap, Golden Gate, and an eastern coast gap, Carquinez Strait, which allow air to flow in and out of the SFBAAB and the Central Valley.

The climate is dominated by the strength and location of a semi-permanent, subtropical high-pressure cell. During the summer, the Pacific high-pressure cell is centered over the northeastern Pacific Ocean resulting in stable meteorological conditions and a steady northwesterly wind flow. Upwelling of cold ocean water from below to the surface because of the northwesterly flow produces a band of cold water off the California coast. The cool and moisture-laden air approaching the coast from the Pacific Ocean is further cooled by the presence of the cold-water band resulting in condensation and the presence of fog and stratus clouds along the Northern California coast.

In the winter, the Pacific high-pressure cell weakens and shifts southward resulting in wind flow offshore, the absence of upwelling, and the occurrence of storms. Weak inversions coupled with moderate winds result in low air pollution potential.

2.2 Toxic Air Contaminants

TACs are airborne substances capable of causing short-term (acute) and long-term (chronic or carcinogenic, i.e., cancer causing) adverse human health effects (i.e., injury or illness). TACs include both organic and inorganic chemical substances. They may be emitted from a variety of common sources including gasoline stations, automobiles, dry cleaners, industrial operations, and painting operations. The current California list of TACs includes approximately 200 compounds, including particulate emissions from diesel-fueled engines.

Hazardous Air Pollutants (HAP) is a term used by the Federal Clean Air Act (FCAA) that includes a variety of pollutants generated or emitted by industrial production activities. Identified as TACs under the California Clean Air Act (CCAA), ten have been singled out through ambient air quality data as being the most substantial health risk in California. Direct exposure to these pollutants has been shown to cause cancer, birth defects, damage to the brain and nervous system, and respiratory disorders. The California Air Resources Board (CARB) provides emission inventories for only the larger air basins, including the SFBAAB.

Industrial facilities and mobile sources are significant sources of TACs. The electronics industry, including semiconductor manufacturing, has the potential to contaminate both air and water due to the highly toxic chlorinated solvents commonly used in semiconductor production processes. In addition to industrial sources, various common urban facilities also produce TAC emissions, such as gasoline stations (benzene), hospitals (ethylene oxide), and dry cleaners (perchloroethylene). Automobile exhaust also contains TACs such as benzene and 1,3-butadiene. DPM was identified as a TAC by CARB in 1998. DPM differs from other TACs in that it is not a single substance but rather a complex mixture of hundreds of substances. Bay Area Air District research indicates that mobile-source emissions of DPM, benzene, and 1,3-butadiene represent a substantial portion of the ambient background risk from TACs in the SFBAAB. Additionally, given the Project site's long industrial history as a foundry, multiple classes of contaminants of potential concern (COPCs) have been identified in soil, groundwater, and soil vapor, including metals (arsenic, lead, nickel), VOCs such as benzene and trichloroethene (TCE), semi-volatile organic compounds (SVOCs), petroleum hydrocarbons (TPH), and polychlorinated biphenyls (PCBs). Many of these substances are designated TACs under the CCAA and/or HAPs under the FCAA.

Toxic contaminants occur from a variety of sources. Contamination often results from fugitive emissions during fuel storage and transfer activities, and from leaking valves and pipes. Additionally, the electronics industry, including semiconductor manufacturing, uses highly toxic chlorinated solvents in semiconductor production processes. Sources of air toxics go beyond industry, however. Automobile exhaust also contains toxic air pollutants such as benzene and 1,3-butadiene. Exhaust from trucks, buses, trains, ships, and other equipment with diesel engines contains a mixture of solid particles known as DPM. DPM contains hundreds of different chemicals.

In California, on-road diesel-fueled engines contribute approximately 40 percent of the statewide total DPM, with an additional 57 percent attributed to other mobile sources such as construction and mining equipment, agricultural equipment, and transport refrigeration units.[9] Stationary sources contribute about 5 percent of total DPM.[10] It should be noted that CARB has developed several plans and programs to reduce diesel emissions such as the Diesel Risk Reduction Plan (DRRP), the Statewide Portable Equipment Registration Program (PERP), and the Diesel Off-Road Reporting System (DOORS). The PERP and DOORS programs allow owners or operators of portable engines and certain other types of equipment can register their units to operate their equipment throughout California without having to obtain individual permits from local air districts.

As noted above, diesel exhaust and many individual substances contained in it (including arsenic, benzene, formaldehyde, and nickel) have the potential to contribute to mutations in cells that can lead to cancer. Long-term exposure to diesel exhaust particles poses the highest cancer risk of any TAC evaluated by OEHHA. CARB estimates that about 70 percent of the cancer risk that the average Californian faces from breathing toxic air pollutants stems from diesel exhaust particles.[11]

In its comprehensive assessment of diesel exhaust, OEHHA analyzed more than 30 studies of people who worked around diesel equipment, including truck drivers, railroad workers, and equipment operators. The studies showed these workers were more likely to develop lung cancer than workers not exposed to diesel emissions. These studies provide strong evidence that long-term occupational exposure to diesel exhaust increases the risk of lung cancer. Using information from OEHHA's assessment, CARB estimates that diesel particle levels measured in California's air in 2000 could cause 540 "excess" cancers in a population of 1 million people over a 70-year lifetime.[12] Other researchers and scientific organizations, including the National Institute for Occupational Safety and Health, have calculated cancer risks from diesel exhaust similar to those developed by

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[9] California Air Resources Board, California Toxics Inventory, 2013. https://ww2.arb.ca.gov/california-toxics-inventory, accessed March 2025.

[10] Ibid.

[11] California Air Resources Board, *Summary: Diesel Particulate Matter Health Impacts*, https://ww2.arb.ca.gov/resources/summary-diesel-particulate-matter-health-impacts, accessed March 2025.

[12] California Air Resources Board, *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles*, Table 6 and Table 7, October 2000.

OEHHA and CARB.

Exposure to diesel exhaust can have immediate health effects. Diesel exhaust can irritate the eyes, nose, throat, and lungs, and it can cause coughs, headaches, lightheadedness, and nausea. In studies with human volunteers, diesel exhaust particles made people with allergies more susceptible to the materials to which they are allergic, such as dust and pollen. Exposure to diesel exhaust also causes inflammation in the lungs, which may aggravate chronic respiratory symptoms and increase the frequency or intensity of asthma attacks.

The elderly and people with emphysema, asthma, and chronic heart and lung disease are especially sensitive to fine-particle pollution. Numerous studies have linked elevated particle levels in the air to increased hospital admissions, emergency room visits, asthma attacks, and premature deaths among those suffering from respiratory problems. Because children's lungs and respiratory systems are still developing, they are also more susceptible than healthy adults to fine particles. Exposure to fine particles is associated with increased frequency of childhood illnesses and can also reduce lung function in children. In California, diesel exhaust particles have been identified as a carcinogen. In addition, several of the COPCs identified at the Project site are recognized carcinogens. For example, arsenic, hexavalent chromium, and nickel compounds are classified by the U.S. EPA and OEHHA as known human carcinogens; benzene and TCE are listed as carcinogenic air toxics with well-established links to leukemia and other cancers; and PCBs are designated as probable human carcinogens.

2.3 Contaminants of Potential Concern

Generally speaking, contaminated soils can pose a serious environmental and public health concern, particularly at sites undergoing cleanup or redevelopment. When soil contains hazardous substances such as metals or VOCs, potential exposure pathways include direct contact, ingestion, inhalation of dust or vapors, or leaching into groundwater. A pathway is considered complete if a contaminant source, transport mechanism, exposure point, and receptor are all present, resulting in a reasonable potential for exposure. Conversely, pathways lacking one or more of these elements are incomplete and would not result in exposure. These distinctions are especially relevant during construction, when activities such as grading, excavation, and earthwork can disturb subsurface materials and mobilize contaminants into the air.

Based on historical Project site operations, as well as analytical data associated with investigation activities, the following COPCs have been identified for the Project site. The pollutants listed in Table 1: COPCs and Health Risk Data were present at detectable levels and have a Cancer Potency Factor assigned to them as shown in *Appendix A of OEHHA's 2009 Technical Support Document for Cancer Potency Factors*. These pollutants additionally have a Reference Exposure Level (REL) assigned to them by *Appendix A, B, and C of OEHHA's 2015 Air Toxics Hot Spots Program Guidance Manual for the Preparation of Health Risk Assessments*. The REL is defined as the concentration at which no adverse non-cancer health effects are anticipated with acute, 8-hour, or chronic exposure to the pollutant. The Cancer Potency Factor, RELs, and sources commonly associated with the pollutants are summarized in Table 1: COPCs and Health Risk Data.

Table 1: COPCs and Health Risk Data

Pollutant	Cancer Potency Slope Factor (mg/kg-day)$^{-1}$	Acute Reference Exposure Level (µg/m^3)^1	8-Hour Reference Exposure Level (µg/m^3)^1	Chronic Reference Exposure Level (µg/m^3)^1	Major Man-Made Sources
Metals:					
Arsenic	12	0.20	0.015	0.015	Arsenic is a naturally occurring metal that is used in various industrial processes. Common sources of arsenic release include metals production, coal-fired powerplants, arsenic-treated lumber, and arsenic-containing pesticides.
Beryllium	8.4	1	1	0.007	Beryllium is a metal that can be released from both natural and anthropogenic sources. The major anthropogenic source associated with Beryllium release is the disposal of waste which includes electronics and fuel containers.
Cadmium	15	1	1	0.02	Cadmium is a naturally occurring metal that is commonly released from smelters, the burning of fossil fuels, and the incineration of municipal waste such as plastics, electronics, and nickel-cadmium batteries. Other common sources include fungicides and the production of pigments.
Chromium	510	1	1	0.2	Chromium is a naturally occurring metal that is used extensively in the production of stainless steel, alloys, and chrome plating, as well as in pigments, leather tanning, and wood preservation. It exists in several oxidation states, with trivalent chromium (Cr(III)) being an essential nutrient in trace amounts, while hexavalent chromium (Cr(VI)) is highly toxic and recognized as a human carcinogen. The primary sources of large chromium releases to the environment include metal finishing operations, industrial waste disposal, and emissions from combustion processes.
Cobalt	27	1	1	1	Cobalt is a naturally occurring metal that is mainly found in alloys, batteries, catalysts and pigments used for various technologies. The primary source of large cobalt releases includes waste disposal.

Table 1: COPCs and Health Risk Data					
Pollutant	**Cancer Potency Slope Factor (mg/kg-day)$^{-1}$**	**Acute Reference Exposure Level (µg/m^3)^1**	**8-Hour Reference Exposure Level (µg/m^3)^1**	**Chronic Reference Exposure Level (µg/m^3)^1**	**Major Man-Made Sources**
Copper	N/A	100	1	1	Copper is a naturally occurring metal that is widely used in electrical wiring, plumbing, roofing, and industrial machinery due to its high conductivity and durability. It is also found in alloys such as bronze and brass and is used in pesticides, wood preservatives, and pigments. The primary sources of large copper releases to the environment include mining and smelting activities, waste disposal, and corrosion of plumbing systems.
Lead	0.042	1	1	1	Lead is a metal found naturally in the environment as well as in manufactured products. The major sources of lead emissions have historically been motor vehicles (such as cars and heavy trucks) and industrial sources. Due to the phase out of leaded gasoline, metals processing is the major source of lead emissions to the air today. The highest levels of lead in air are generally found near lead smelters. Other stationary sources are waste incinerators, utilities, and lead-acid battery manufacturers.
Nickel	0.91	0.2	0.06	0.014	Nickel is a metal found in manufactured metal products including stainless steel, permanent magnets, and other alloy-based products. Nickel is also used in alkaline storage batteries, fuel cell electrodes, and in fuel gases. The primary source of Nickel in the environment is waste disposal and the combustion of fuels.
Selenium	N/A	1	1	20	Selenium is a naturally occurring element that is widely used in electronics, glass manufacturing, pigments, nutritional supplements, and as an additive in animal feed. It occurs in several forms, both organic and inorganic, with varying levels of toxicity. While selenium is an essential trace nutrient for humans and animals at low levels, excessive exposure can be harmful. The primary sources of large selenium releases to the environment include mining and smelting operations, coal-fired power plants, agricultural runoff, and waste disposal.

Table 1: COPCs and Health Risk Data

Pollutant	Cancer Potency Slope Factor (mg/kg-day)$^{-1}$	Acute Reference Exposure Level (µg/m^3)^1	8-Hour Reference Exposure Level (µg/m^3)^1	Chronic Reference Exposure Level (µg/m^3)^1	Major Man-Made Sources
Mercury	N/A	0.6	0.06	0.03	Mercury is a naturally occurring element that has been used historically in thermometers, dental amalgams, batteries, switches, and industrial processes such as gold mining and chlor-alkali production. It exists in several forms, including elemental mercury, inorganic mercury compounds, and organic mercury compounds such as methylmercury, which is highly toxic and bioaccumulative. The primary sources of large mercury releases to the environment include coal combustion, mining activities, waste incineration, and improper disposal of mercury-containing products.
VOCs^2:					
1,1,1-Trichloroethane (TCE)	0.2	1	1	1	Trichloroethene (TCE) is a synthetic VOC historically used as an industrial solvent for degreasing metals, as well as in adhesives, paint removers, and cleaning agents. Although many uses have been phased out due to health concerns, TCE remains a common groundwater and soil contaminant at industrial sites. The primary sources of large TCE releases to the environment include improper disposal of industrial solvents, leaking underground storage tanks, and degreasing operations.
1,1-Dichloroethane (DCA)	0.0057	1	1	1	1,2-Dichloroethane (DCA) is a VOC primarily used as a chemical intermediate in the production of vinyl chloride and other industrial chemicals. It has also been used historically as a solvent, degreaser, and in leaded gasoline additives. The primary sources of large DCA releases to the environment include chemical manufacturing facilities, improper disposal of industrial solvents, and leaking storage tanks or pipelines.

Table 1: COPCs and Health Risk Data

Pollutant	Cancer Potency Slope Factor (mg/kg-day)$^{-1}$	Acute Reference Exposure Level (µg/m^3)^1	8-Hour Reference Exposure Level (µg/m^3)^1	Chronic Reference Exposure Level (µg/m^3)^1	Major Man-Made Sources
1,2-Dichlorobenzene	0.04	1	1	800	1,2-Dichlorobenzene is a VOC that has been used as a solvent in industrial processes, in the manufacture of dyes and resins, and as a degreasing and deodorizing agent. It is also used as a chemical intermediate in the production of other chlorinated compounds. The primary sources of environmental releases include chemical manufacturing, improper disposal of chlorinated solvents, and emissions from waste treatment or incineration facilities.
1,3,5-Trimethylbenzene	N/A	2400	8	4	Ethylbenzene is a VOC that is a component in gasoline, synthetic rubber, paints, and insecticides Ethylbenzene is also present in the production of asphalt. The primary sources of Ethylbenzene in the environment includes petroleum combustion or release, waste disposal, and the use of insecticides.
1,4-Dichlorobenzene	0.04	1	1	800	1,3,5-Trimethylbenzene is a VOC commonly used as a solvent and as an additive in gasoline to improve octane ratings. It is also found in paint thinners, varnishes, and industrial coatings. The primary sources of environmental releases include petroleum refining, fuel combustion, and improper disposal of solvent-containing wastes.
Acrylonitrile	1	1	1	5	Acrylonitrile is a VOC widely used in the manufacture of plastics, synthetic rubber, and acrylic fibers. It is also used as a chemical intermediate in the production of resins and adhesives. The primary sources of acrylonitrile releases to the environment include emissions from chemical manufacturing facilities, improper handling or disposal of industrial waste, and accidental spills.
Benzene	0.1	2.7	3	3	Benzene is a VOC that is added to gasoline, various consumer products including detergent, some pharmaceutical products, and pesticides. The primary sources of benzene in the environment includes oil combustion and extraction, waste disposal, and pesticide usage.

Table 1: COPCs and Health Risk Data

Pollutant	Cancer Potency Slope Factor $(mg/kg\text{-}day)^{-1}$	Acute Reference Exposure Level $(\mu g/m^3)^1$	8-Hour Reference Exposure Level $(\mu g/m^3)^1$	Chronic Reference Exposure Level $(\mu g/m^3)^1$	Major Man-Made Sources
Chlorobenzene	N/A	1	1	1,000	Chlorobenzene is a VOC historically used as a solvent and as an intermediate in the manufacture of pesticides, dyes, adhesives, and rubber. It has also been used in the production of phenol and other industrial chemicals. The primary sources of chlorobenzene releases to the environment include chemical manufacturing, improper disposal of solvent-containing waste, and emissions from incineration processes.
Chloroform	0.019	150	1	300	Chloroform is a VOC that is used to produce dyes, pesticides, and various industrial and waste treatment processes. The primary source of chloroform in the environment is through waste disposal and pesticide usage.
cis-1,2-Dichloroethene	0.0057	1	1	1	Cis-1,2-Dichloroethene (cis-1,2-DCE) is a VOC primarily used as a solvent and in the production of other chlorinated chemicals. It is commonly detected in the environment as a breakdown product of TCE and PCE. The primary sources of environmental releases include improper disposal of chlorinated solvents, leaking underground storage tanks, and industrial waste discharges.
Ethylbenzene	0.0087	1	1	2,000	Ethylbenzene is a VOC that is a component in gasoline, synthetic rubber, paints, and insecticides Ethylbenzene is also present in the production of asphalt. The primary sources of Ethylbenzene in the environment includes petroleum combustion or release, waste disposal, and the use of insecticides.
Styrene	N/A	21,000	1	900	Styrene is a VOC widely used in the production of plastics, synthetic rubber, and resins, including polystyrene and fiberglass-reinforced products. It is released into the environment primarily from industrial manufacturing facilities, plastic production, and emissions from building materials and consumer products. Additional sources include combustion processes and vehicle exhaust.

Table 1: COPCs and Health Risk Data

Pollutant	Cancer Potency Slope Factor (mg/kg-day)$^{-1}$	Acute Reference Exposure Level (µg/m^3)^1	8-Hour Reference Exposure Level (µg/m^3)^1	Chronic Reference Exposure Level (µg/m^3)^1	Major Man-Made Sources
Tetrachloro-ethene	0.2	1	1	1	Tetrachloroethene (PCE), also known as perchloroethylene, is a VOC commonly used as a dry-cleaning solvent, metal degreaser, and chemical intermediate. It has been one of the most frequently detected groundwater and soil contaminants at industrial and urban sites due to improper disposal, leaks from storage tanks, and historical use in dry-cleaning operations.
Toluene	N/A	5,000	830	420	Toluene is a VOC widely used as an industrial solvent and in the manufacture of paints, coatings, adhesives, and chemical intermediates such as benzene and xylene. It is also a natural constituent of crude oil and gasoline, making vehicle exhaust and fuel handling common sources of environmental releases. The primary sources of toluene contamination include petroleum refining, chemical manufacturing, leaking underground storage tanks, and improper waste disposal.
Trichloroethene	0.057	1	1	1	Trichloroethene is a VOC historically used as a metal degreaser, solvent, and chemical intermediate in the production of refrigerants and other industrial products. Because of widespread industrial use and improper disposal practices, trichloroethene is a common groundwater and soil contaminant at manufacturing and industrial sites. The primary sources of environmental releases include degreasing operations, leaks from underground storage tanks, and waste disposal.
Xylenes	N/A	22,000	1	700	Xylenes are VOCs that exist as three isomers (ortho-, meta-, and para-xylene) and are widely used as solvents in paints, coatings, adhesives, and cleaning agents, as well as in the production of plastics and synthetic fibers. They are also naturally present in petroleum and are common components of gasoline. The primary sources of environmental releases include petroleum refining, vehicle exhaust, leaking underground storage tanks, and industrial solvent use.

Table 1: COPCs and Health Risk Data

Pollutant	Cancer Potency Slope Factor $(mg/kg\text{-}day)^{-1}$	Acute Reference Exposure Level $(\mu g/m^3)^1$	8-Hour Reference Exposure Level $(\mu g/m^3)^1$	Chronic Reference Exposure Level $(\mu g/m^3)^1$	Major Man-Made Sources
SVOCs[3]:					
2,4,6-Tribromophenol	0.07	1	1	1	2,4,6-Tribromophenol (TBP) is a SVOC primarily used as a flame retardant, wood preservative, and chemical intermediate in the production of brominated flame retardants. It is also used as a fungicide and occasionally as an antiseptic. The primary sources of environmental releases include industrial manufacturing processes, treated wood products, and waste disposal from facilities using brominated compounds.
Benzo(a) anthracene	3.9	1	1	1	Benzo(a)anthracene is a SVOC in the polycyclic aromatic hydrocarbon (PAH) family, formed during the incomplete combustion of organic materials such as coal, oil, gas, wood, or tobacco. It is commonly detected in soot, tar, and creosote and may be present at former industrial facilities, waste disposal sites, and areas impacted by combustion processes. The primary sources of environmental releases include industrial emissions, vehicle exhaust, and the burning of fossil fuels and biomass.
Bis(2-chloroethyl)ether	2.5	1	1	1	Bis(2-chloroethyl)ether is a synthetic SVOC historically used as a chemical intermediate in the manufacture of pesticides, resins, and other organic chemicals. It has also been used in limited applications as a solvent and in the production of plastics and rubber. Releases to the environment may occur from industrial processes, improper disposal, and waste sites associated with historical manufacturing activities.
Chrysene	0.039	1	1	1	Chrysene is a SVOC belonging to the PAH family. It is generated primarily during the incomplete combustion of organic materials such as coal, oil, gas, wood, and tobacco. Environmental sources include industrial emissions, vehicle exhaust, residential wood burning, and deposits from fossil fuel combustion. Chrysene is commonly found in soot, tar, creosote, and impacted soils at former industrial or waste disposal sites.

Table 1: COPCs and Health Risk Data

Pollutant	Cancer Potency Slope Factor $(mg/kg\text{-}day)^{-1}$	Acute Reference Exposure Level $(\mu g/m^3)^1$	8-Hour Reference Exposure Level $(\mu g/m^3)^1$	Chronic Reference Exposure Level $(\mu g/m^3)^1$	Major Man-Made Sources
Dibenz(a,h)anthr-acene	4.1	1	1	1	Dibenz(a,h)anthracene is a SVOC classified as a PAH. It is formed during the incomplete combustion of organic matter such as coal, oil, wood, and tobacco. Environmental contamination is typically associated with industrial emissions, vehicle exhaust, residential wood burning, and waste disposal sites where combustion byproducts accumulate.
Hexachloro-benzene	1.8	1	1	1	Hexachlorobenzene (HCB) is a persistent, SVOC historically used as a fungicide and as an intermediate in the manufacture of other chlorinated chemicals, including solvents, pesticides, and rubber compounds. Releases may occur from legacy contamination at former industrial or waste disposal sites, as well as byproducts of chemical manufacturing and combustion processes.
Indeno(1,2,3-cd)pyrene	0.39	1	1	1	Indeno(1,2,3-cd)pyrene is a SVOC classified as a PAH. It is produced primarily from the incomplete combustion of fossil fuels, wood, and other organic materials. Major environmental sources include vehicle exhaust, coal and oil combustion, residential wood burning, and industrial emissions.
Naphthalene	0.12	1	1	9	Naphthalene is a SVOC that is commonly found in fumigant and insecticides. Naphthalene is also a component in petroleum, coal, and various industrial processes. The primary sources of Naphthalene in the environmental include insecticide usage, oil combustion, and waste disposal
Phenol	N/A	5,800	1	200	Phenol is a SVOC widely used in the manufacture of resins, plastics, pharmaceuticals, and other industrial chemicals. It can also be released into the environment through combustion processes, industrial discharges, and waste disposal activities.

1. When the REL was not available, a default value of 1 $\mu g/m^3$ was conservatively applied as a health-protective placeholder to avoid underestimating risk and to ensure that pollutants with unknown toxicity are included in this analysis.
2. Volatile Organic Compounds (VOCs or Reactive Organic Gases [ROG]) are hydrocarbons/organic gases that are formed solely of hydrogen and carbon. There are several subsets of organic gases including ROGs and VOCs. Both ROGs and VOCs are emitted from the incomplete combustion of hydrocarbons or other carbon-based fuels.
3. Semi-Volatile Organic Compounds (SVOCs) are a subgroup of VOCs that are not as volatile and tend to have higher molecular weights and boil point temperatures than other VOCs.

Table 1: COPCs and Health Risk Data

Pollutant	Cancer Potency Slope Factor (mg/kg-day)$^{-1}$	Acute Reference Exposure Level (µg/m^3)^1	8-Hour Reference Exposure Level (µg/m^3)^1	Chronic Reference Exposure Level (µg/m^3)^1	Major Man-Made Sources
Source: California Office of Environmental Health Hazard Assessment. *Chemicals Database*. Retrieved from https://oehha.ca.gov/chemicals. California Office of Environmental Health Hazard Assessment. *OEHHA Acute, 8-hour and Chronic Reference Exposure Level (REL) Summary*. Retrieved from https://oehha.ca.gov/air/general-info/oehha-acute-8-hour-and-chronic-reference-exposure-level-rel-summary.					

2.4 Health Risk Sensitive Receptors

Sensitive populations are more susceptible to the effects of air pollution than is the general population. Sensitive receptors that are in proximity to localized TAC sources are of particular concern. Land uses considered sensitive receptors include residences, schools, playgrounds, childcare centers, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes. Consistent with the Bay Area Air District CEQA Air Quality Guidelines (April 2022), sensitive receptors are defined as facilities or land uses that house or attract children, the elderly, people with illnesses, or others who are especially vulnerable to the effects of air pollutants. The Project site is primarily surrounded by industrial land uses. Sensitive land uses nearest to the Project are listed in Table 2: Sensitive Receptors.

Table 2: Sensitive Receptors

Receptor Description	Distance and Direction from the Project[1]
Single-Family Residence[2]	625 feet to the northeast
Temporary Shelter for the Unhoused[3]	730 feet to the west

1. Distance measured from the Project boundary line to the property line of the sensitive receptor.
2. Residence is located at 867 75th Avenue.
3. The City of Oakland Environmental Justice Element (2023) identified the temporary shelter for unhoused persons as a sensitive land use.

Source: Google Earth, 2025.

3.0 REGULATORY SETTING

3.1 Federal

U.S. EPA

The United States Environmental Protection Agency (U.S. EPA) uses Regional Screening Levels (RSLs) as health-protective screening tools to evaluate contaminants in soil, air, and water during environmental site assessments. These values help determine whether a chemical may pose a potential health risk and if further analysis is necessary. While not enforceable standards, RSLs guide the need for more detailed human health risk assessments when contaminant concentrations exceed screening thresholds.

Federal Clean Air Act

The FCAA was amended in 1990 to address the numerous air pollutants that are known to cause or may reasonably be anticipated to cause adverse effects to human health or adverse environmental effects. 188 specific pollutants and chemical groups were initially identified as HAPs, and the list has been modified over time. The FCAA Amendments included new regulatory programs to control acid deposition and for the issuance of stationary source operating permits.

In 2001, the U.S. EPA issued its first Mobile Source Air Toxics Rule, which identified 21 mobile source air toxic (MSAT) compounds as being HAPs that required regulation. A subset of six of these MSAT compounds were identified as having the greatest influence on health and included benzene, 1,3-butadiene, formaldehyde, acrolein, acetaldehyde, and DPM. More recently, the U.S. EPA issued a second MSAT Rule in February 2007, which generally supported the findings in the first rule and provided additional recommendations of compounds having the greatest impact on health. The rule also identified several engine emission certification standards that must be implemented. Unlike the criteria pollutants, toxics do not have National Ambient Air Quality Standards (NAAQS) making evaluation of their impacts more subjective.

National Emissions Standards for Hazardous Air Pollutants (NESHAPs) were incorporated into a greatly expanded program for controlling toxic air pollutants. The provisions for attainment and maintenance of the NAAQS were substantially modified and expanded. Other revisions included provisions regarding stratospheric ozone protection, increased enforcement authority, and expanded research programs.

FCAA Amendments Section 112 governs the federal control program for HAPs. NESHAPs are issued to limit the release of specified HAPs from specific industrial sectors. These standards are technology-based, meaning that they represent the best available control technology an industrial sector could afford. The level of emissions controls required by NESHAPs are not based on health risk considerations because allowable releases and resulting concentrations have not been determined to be safe for the general public. The FCAA does not establish air quality standards for HAPs that define legally acceptable concentrations of these pollutants in ambient air.

Federal Emissions Standards for On-Road Trucks

To reduce emissions from on-road, heavy-duty diesel trucks, the U.S. EPA established a series of increasingly strict emission standards for new engines, starting in 1988. The U.S. EPA promulgated the final and cleanest standards with the 2007 Heavy-Duty Highway Rule.[13] The particulate matter (PM) emission standard of 0.01 gram per horsepower-hour (g/hp-hr) is required for new vehicles beginning with model year 2007. Also, the nitrogen oxide (NO_X) and nonmethane hydrocarbon (NMHC) standards of 0.20 g/hp-hr and 0.14 g/hp-hr, respectively, were phased in together between 2007 and 2010 on a percent of sales basis: 50 percent from 2007 to 2009 and 100 percent in 2010.

Emission Standards for Off-Road Diesel Engines

To reduce emissions from off-road diesel equipment, the U.S. EPA established a series of cleaner emission standards for new off-road diesel engines.[14] Tier 1 standards were phased in from 1996 to 2000 (year of manufacture), depending on the engine horsepower category. Tier 2 standards were phased in from 2001 to 2006. Tier 3 standards were phased in from 2006 to 2008. Tier 4 standards, which are incorporated into manufacturing of new equipment or attained through add-on emission control equipment, were phased in from 2008 to 2015. The Tier 4 standards require that emissions of PM and NO_X be further reduced by about 90 percent from Tier 3 standards. CARB is currently developing potential amendments to the off-road diesel engine standards, in a Tier 5 rulemaking. The Tier 5 rulemaking aims to reduce NO_X and PM emissions from new, off-road compression-ignition (CI) engines, by an additional 50 percent to 90 percent, compared to what is allowed by today’s Tier 4 final emission standards.

3.2 State of California

California Office of Environmental Health Hazard Assessment

The California Office of Environmental Health Hazard Assessment (OEHHA) develops health-based guidelines used to assess risks from environmental contaminants. OEHHA provides toxicity values, exposure factors, and risk assessment methodologies that are widely used in HRAs under CEQA. Its work supports regulatory decisions and helps protect public health by ensuring consistent, science-based evaluations of chemical exposures.

California Environmental Quality Act

CEQA requires state and local agencies to assess and disclose the environmental impacts of proposed projects and to avoid or mitigate significant adverse effects when feasible. Under CEQA, human health risks are evaluated as part of a project's potential environmental impacts. CEQA documents may generalize or exclude detailed health analyses unless individual health effects are part of a broader environmental concern, such as cumulative air pollution impacts. A multipollutant HRA is required when a project emits multiple TACs or pollutants that could pose a significant cumulative health risk, particularly near sensitive receptors. Multipollutant HRAs are commonly required for projects involving hazardous materials or soil remediation, especially when emissions could combine to exceed established health risk thresholds.

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[13] United States Environmental Protection Agency (U.S. EPA), Control of Air Pollution from New Motor Vehicles: Heavy-Duty Engine and Vehicle Standards and Highway Diesel Fuel Sulfur Control Requirements, Final Rule: 40 Code of Federal Regulations, Parts 69, 80, and 86. January 18, 2001.

[14] U.S. EPA, *Regulations for Emissions from Heavy Equipment with Compression-Ignition (Diesel) Engines*, 2024. Available at: https://www.epa.gov/regulations-emissions-vehicles-and-engines/regulations-emissions-heavy-equipment-compression, accessed March 2025.

California Air Resources Board

CARB's statewide comprehensive air toxics program was established in 1983 with AB 1807 the Toxic Air Contaminant Identification and Control Act (Tanner Air Toxics Act of 1983). AB 1807 created California's program to reduce exposure to air toxics and sets forth a formal procedure for CARB to designate substances as TACs. Once a TAC is identified, CARB adopts an airborne toxics control measure (ATCM) for sources that emit designated TACs. If there is a safe threshold for a substance at which there is no toxic effect, the control measure must reduce exposure to below that threshold. If there is no safe threshold, the measure must incorporate toxics best available control technology (T-BACT) to minimize emissions.

CARB also administers the state's mobile source emissions control program and oversees air quality programs established by state statute, such as AB 2588. Under AB 2588, TAC emissions from individual facilities are quantified and prioritized by the air quality management district or air pollution control district. High priority facilities are required to perform a health risk assessment and, if specific thresholds are exceeded, required to communicate the results to the public in the form of notices and public meetings. In September 1992, AB 2588 was amended by Senate Bill (SB) 1731 which required facilities that pose a significant health risk to the community to reduce their risk through a risk management plan.

Diesel Risk Reduction Plan

The identification of DPM as a TAC in 1998 led CARB to adopt the *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles* (DRRP) in October 2000. The DRRP's goals include an 85 percent reduction in DPM by 2020 from the 2000 baseline. CARB estimates that emissions of DPM in 2035 will be less than half those in 2010, further reducing statewide cancer risk and non-cancer health effects.[15] The DRRP includes regulations to establish cleaner new diesel engines, cleaner in-use diesel engines (retrofits), and cleaner diesel fuel.

Truck and Bus Regulation Reducing Emissions from Existing Diesel Vehicles

On December 12, 2008, CARB approved the Truck and Bus Regulation to significantly reduce PM and NO_X emissions from existing diesel vehicles operating in California. The regulation requires diesel trucks and buses that operate in California to be upgraded to reduce emissions. As of January 1, 2023, nearly all trucks and buses must have 2010 model year engines or equivalent.

The regulation applies to most privately and federally-owned diesel fueled trucks and buses and to privately and publicly owned school buses with a gross vehicle weight rating (GVWR) greater than 14,000 pounds. Small fleets with three or fewer diesel trucks can delay compliance for heavier trucks and there are several extensions for low-mileage construction trucks, early PM filter retrofits, adding cleaner vehicles, and other situations. Privately and publicly owned school buses have different requirements.

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[15] California Air Resources Board, *Overview: Diesel Exhaust & Health, available at: https://ww2.arb.ca.gov/resources/overview-diesel-exhaust-and-health*, accessed March 2025.

Heavy-Duty Vehicle Idling Emission Reduction Program

The purpose of the CARB ATCM to Limit Diesel-Fueled Commercial Motor Vehicle Idling is to reduce public exposure to diesel particulate matter and criteria pollutants by limiting the idling of diesel-fueled commercial vehicles. The driver of any vehicle subject to this ATCM is prohibited from idling the vehicle's primary diesel engine for greater than five minutes at any location and is prohibited from idling a diesel-fueled auxiliary power system (APS) for more than five minutes to power a heater, air conditioner, or any ancillary equipment on the vehicle if it has a sleeper berth and the truck is located within 100 feet of a restricted area (homes and schools).

CARB Final Regulation Order, Requirements to Reduce Idling Emissions from New and In-Use Trucks, beginning in 2008, requires that new 2008 and subsequent model-year heavy-duty diesel engines be equipped with an engine shutdown system that automatically shuts down the engine after 300 seconds of continuous idling operation once the vehicle is stopped, the transmission is set to "neutral" or "park", and the parking brake is engaged.

Section 2485 and Section 2449 of Title 13 of the California Code of Regulations limits diesel-fueled motor vehicle idling to no more than five minutes. Section 2485 limits idling for diesel-fueled commercial motor vehicles with gross vehicle weight ratings of greater than 10,000 pounds that are or must be licensed to operate on publicly maintained highways and streets within California. Section 2449 limits idling for off-road diesel-fueled fleets.

CARB Advanced Clean Truck Regulation

CARB adopted the Advanced Clean Truck (ACT) Regulation in June 2020 requiring truck manufacturers to transition from diesel trucks and vans to electric zero-emission trucks beginning in 2024. By 2045, every new truck sold in California is required to be zero-emission. This rule directly addresses disproportionate risks and health and pollution burdens and puts California on the path for an all zero-emission short-haul drayage fleet in ports and railyards by 2035, and zero-emission "last-mile" delivery trucks and vans by 2040. The Advanced Clean Truck Regulation accelerates the transition of zero-emission medium-and heavy-duty vehicles from Class 2b to Class 8. The regulation has two components including a manufacturer sales requirement, and a reporting requirement:

Zero-Emission Truck Sales: Manufacturers who certify Class 2b through 8 chassis or complete vehicles with combustion engines are required to sell zero-emission trucks as an increasing percentage of their annual California sales from 2024 to 2035. By 2035, zero-emission truck/chassis sales need to be 55 percent of Class 2b – 3 truck sales, 75 percent of Class 4 – 8 straight truck sales, and 40 percent of truck tractor sales.

Company and Fleet Reporting: Large employers including retailers, manufacturers, brokers and others would be required to report information about shipments and shuttle services. Fleet owners, with 50 or more trucks, would be required to report about their existing fleet operations. This information would help identify future strategies to ensure that fleets purchase available zero-emission trucks and place them in service where suitable to meet their needs.

The ACT regulation was granted a separate waiver from the Federal Clean Air Act in 2023 by the Biden administration. On May 22, 2025, the U.S. Senate voted to revoke the waiver granted by the Biden administration for California's ACT rule (as well as the Advanced Clean Cars II program and Heavy-Duty Omnibus regulation). On June 12, 2025, President Trump formally nullified California's ACT rule and Advanced Clean Cars II program (Congressional Resolution H.J. Res 88). Therefore, implementation of these regulations is currently unknown.

Advanced Clean Cars I and II

Advanced Clean Cars combines several regulations into one package including the Low-Emission Vehicle (LEV) criteria and greenhouse gas regulations and the zero-emission vehicle (ZEV) regulation. Advanced Clean Cars I was adopted in 2012 and Advanced Clean Cars II was adopted in 2022. These regulations rapidly scale down emissions of light-duty passenger cars, pickup trucks and sport utility vehicles (SUVs) and require an increased number of zero-emission vehicles to meet air quality and climate change emissions goals. By 2035 all new passenger cars, trucks and SUVs sold in California will be zero emissions. The Advanced Clean Cars II regulations take the state's already growing zero-emission vehicle market and robust motor vehicle emission control rules and augments them to meet more aggressive tailpipe emissions standards and ramp up to 100 percent zero-emission vehicles.

ARB Advanced Clean Fleets Regulation. CARB approved Advanced Clean Fleets Regulation (ACF) on April 28, 2023, requires fleet owners to begin transitioning toward ZEVs starting in 2024. Due to the impact that truck traffic has on residents living near heavily trafficked corridors, drayage trucks will need to be zero-emissions by 2035. All other fleet owners have the option to transition a percentage of their vehicles to meet expected zero-emission milestones, which gives owners the flexibility to continue operating combustion-powered vehicles as needed during the move toward cleaner technology. As noted above, the Advanced Clean Cars II program was nullified by Congressional Resolution H.J. Res 88. Therefore, implementation of this regulation is currently unknown and is not considered in emissions estimates.

CARB Advanced Clean Fleets Regulation

CARB approved Advanced Clean Fleets Regulation (ACF) on April 28, 2023, requires fleet owners to begin transitioning toward ZEVs starting in 2024. Due to the impact that truck traffic has on residents living near heavily trafficked corridors, drayage trucks will need to be zero-emissions by 2035. All other fleet owners have the option to transition a percentage of their vehicles to meet expected zero-emission milestones, which gives owners the flexibility to continue operating combustion-powered vehicles as needed during the move toward cleaner technology. On January 13, 2025, CARB withdrew their FCAA waiver request to U.S. EPA for the Advanced Clean Fleets Regulation. Therefore, the implementation status of this regulation is currently unknown and is not considered in emissions estimates.

Executive Order N-79-20

Signed in September 2020, Executive Order N-79-20 establishes as a goal that where feasible, all new passenger cars and trucks, as well as all drayage/cargo trucks and off-road vehicles and equipment, sold in California, will be zero-emission by 2035. The executive order sets a similar goal requiring that all medium and heavy-duty vehicles will be zero-emission by 2045 where feasible. It also directs CARB to develop and propose rulemaking for passenger vehicles and trucks, medium-

and heavy-duty fleets where feasible, drayage trucks, and off-road vehicles and equipment "requiring increasing volumes" of new zero emission vehicles (ZEVs) "towards the target of 100 percent." The executive order directs the California Environmental Protection Agency, the California Geologic Energy Management Division (CalGEM), and the California Natural Resources Agency to transition and repurpose oil production facilities with a goal toward meeting carbon neutrality by 2045. Executive Order N-79-20 builds upon the CARB Advanced Clean Trucks regulation, which was adopted by CARB in July 2020.

CalEnviroScreen

OEHHA has developed CalEnviroScreen 4.0, which is a mapping tool that helps identify California communities that are most affected by many sources of pollution, and where people are often especially vulnerable to pollution's effects. CalEnviroScreen uses environmental, health, and socioeconomic information to produce scores for every census tract in the State. The scores are mapped so that different communities can be compared. An area with a high score is one that experiences a much higher pollution burden than areas with low scores.

According to CalEnviroScreen, the Project site and the surrounding area is located within Census Tract 6001408900, which is within the 90th percentile.[16] CalEnviroScreen ranks communities based on data that are available from state and federal government sources and the CalEnviroScreen scores are relative to other census tracts and are not an expression of health risk, and do not provide quantitative information on increases in cumulative impacts for specific sites or projects. The State uses CalEnviroScreen to prioritize California Climate Investments to benefit disadvantaged communities and to prioritize outreach in vulnerable communities. Further, as a comparative screening tool, the results do not provide a basis for determining when differences between scores are significant in relation to public health or the environment.

Senate Bill 535

Senate Bill (SB) 535 directs 25 percent of the proceeds from the Greenhouse Gas Reduction Fund (i.e., funds from the AB 32 cap-and-trade program) to go to projects that provide a benefit to disadvantaged communities (DACs) (as identified by the OEHHA mapping). These funds must be used for programs that further reduce greenhouse gas emissions. Funding programs that reduce greenhouse gas emissions would also potentially reduce exposure to other emissions including TACs. Based on OEHHA mapping, the closest SB 535 designated disadvantaged community is located approximately six miles northeast of the Project site (Census Tract 6001408900).[17] SB 535 does not include project specific requirements or prohibit developments in proximity to the designated communities.

AB 617 Community Air Protection Program

AB 617 was promulgated into state law in 2017. The purpose of this legislation is for CARB to establish the Community Air Protection Program (CAPP). CARB's objective in implementing the

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[16] Office of Environmental Health Hazard Assessment, CalEnviroScreen 4.0, https://experience.arcgis.com/experience/11d2f52282a54ceebcac7428e6184203/page/CalEnviroScreen-4_0/, accessed March 2025.

[17] California Office of Environmental Health Hazard Assessment, *SB 535 Disadvantaged Communities (2022 Update)*, https://oehha.ca.gov/calenviroscreen/sb535, accessed March 2025.

CAPP is to reduce human health risk levels by reducing air toxics exposure in communities most impacted by TAC emissions. CARB requires that air districts "must initiate community partnerships and undertake a robust public process in developing and implementing the community emissions reduction programs." There have been 17 designated communities throughout the state targeting emissions reductions, community monitoring or both. The majority of AB 617 communities have both reduction and monitoring designations. The state legislature has provided a funding mechanism to support early actions allowing for deployment of cleaner technologies for designated communities as well as grants to promote community participation in both the monitoring and emissions reductions aspects of the program. Other aspects of the program include accelerated retrofit of pollution controls on industrial stationary sources, an increase in financial penalties, and increased transparency and availability of emissions and air quality information thereby driving air pollution control efforts statewide with a goal of improved intra- Air District communication and cooperation.

The Project site is located within East Oakland which was designated a CAPP community in 2021. East Oakland was selected amongst high priority communities in the Bay Area due to longstanding air quality challenges, environmental justice issues, and health inequities. The East Oakland community is home to major goods movement and transportation corridors, as well as air pollution sources associated with industry and the trucking industries. Data shows residents of this community have lower life expectancies and higher mortality rates from lung diseases due to constant exposure to air pollution. This community has a higher rate of asthma emergency room visits and cardiovascular disease than most of California. It also has some of the highest unemployment and housing cost burdens and some of the lowest educational attainment and life expectancy in the State.

East Oakland organizations have partnered with the Bay Area Air District to build community capacity, increase understanding of local air pollution and environmental justice issues, and bring together cross-agency partnerships necessary for improving environmental health and local air quality improvement. The Bay Area Air District is partnering with Communities for a Better Environment and other community-based organizations to create a community-based Steering Committee to develop the East Oakland AB 617 Community Emissions Reduction Plan.

3.3 Regional

Bay Area Air Quality Management District

The Bay Area Air District is the regional agency tasked with managing air quality in the region and has regulated TACs since the 1980s. The CCAA provides the Bay Area Air District with the authority to manage transportation activities as indirect sources and regulate stationary source emissions. Indirect sources of pollution are generated when minor sources collectively emit a substantial amount of pollution.

Under Bay Area Air District Regulation 2-1 (General Permit Requirements), Regulation 2-2 (New Source Review), and Regulation 2-5 (New Source Review), all nonexempt sources that possess the potential to emit TACs are required to obtain permits from Bay Area Air District. Permits may be granted to these operations if they are constructed and operated in accordance with applicable regulations, including new source review standards and air toxics control measures. The Bay Area

Air District limits emissions and public exposure to TACs through several programs. Section 301 of Regulation 2, Rule 2, requires Best Available Control Technology (BACT) and is triggered for any new or modified source with the potential to emit specific levels of pollutants. The Bay Area Air District prioritizes TAC-emitting stationary sources for regulation based on the quantity and toxicity of the TAC emissions and the proximity of the facilities to sensitive receptors.

The Bay Area Air District has published California Environmental Quality Act (CEQA) Air Quality Guidelines that are used in this assessment to evaluate health risk impacts of projects.

Community Air Risk Evaluation Program

The Bay Area Air District's Community Air Risk Evaluation (CARE) program estimates and reports both local and regional impacts of TACs in the Bay Area. The objective of the CARE Program is to reduce health impacts linked to local air quality. The goals of the CARE Program are to: (1) identify areas where air pollution contributes most to health impacts and where populations are most vulnerable to air pollution; (2) apply sound scientific methods and strategies to reduce health impacts in these areas; and (3) engage community groups and other agencies to develop additional actions to reduce local health impacts. Information from the CARE program is used by the Bay Area Air District to design and focus effective mitigation measures in areas with highest impacts.

4.0 SIGNIFICANCE CRITERIA AND METHODOLOGY

4.1 Health Risk Analysis Thresholds

Project health risks are determined by examining the types and levels of air toxics generated and the associated impacts on factors that affect air quality. This analysis also addresses the CEQA significance criterion related to exposing sensitive receptors to substantial pollutant concentrations, which evaluates whether emissions of TACs could result in significant health risks. The Bay Area Air District publishes the CEQA Air Quality Guidelines, which were most recently updated in April 2022. The Bay Area Air District thresholds for air toxic emissions that are used for this project are shown below:

Individual Projects:

- **Excess (Incremental) Cancer Risk:** Emit contaminants that result in a maximum individual cancer risk (MICR) equals or exceeds 10 in one million.
- **Non-Cancer Risk:** Emit contaminants that exceed the maximum hazard index of 1.0 in one million.
- **Ambient $PM_{2.5}$ Concentration:** Incremental increase in average annual $PM_{2.5}$ concentration greater than 0.3 $\mu g/m^3$

Cumulative Thresholds:

- **Excess Cancer Risk:** Emit contaminants that would contribute to cumulative emissions, resulting in an exceedance of the MICR of 100 in one million.
- **Non-Cancer Risk:** Emit contaminants that that would contribute to cumulative emissions, resulting in an exceedance of the maximum hazard index of 10.0 in one million.
- **Ambient $PM_{2.5}$ Concentration:** Incremental increase in average cumulative annual $PM_{2.5}$ concentration of greater than 0.8 $\mu g/m^3$

Cancer risk is expressed in terms of expected incremental incidence per million population. The Bay Area Air District has established an individual project incidence rate of 10 persons per million as the maximum acceptable incremental cancer risk. The 10 in one million standard is a health-protective significance threshold. A risk level of 10 in one million implies a likelihood that up to 10 persons, out of one million equally exposed people would contract cancer if exposed continuously (24 hours per day) to the levels of TACs over a specified duration of time. This risk would be an excess cancer that is in addition to any cancer risk borne by a person not exposed to these TACs.

The Bay Area Air District has also established non-carcinogenic risk parameters for use in HRAs. Noncarcinogenic risks are quantified by calculating a hazard index (HI), expressed as the ratio between the ambient pollutant concentration and its toxicity or Reference Exposure Level (REL). An REL is a concentration at or below which health effects are not likely to occur. A HI less than 1.0 means that adverse health effects are not expected. Within this analysis, non-carcinogenic exposures of less than 1.0 are considered less than significant.

The 2022 Bay Area Air District CEQA Air Quality Guidelines recommend assessing impacts within 1,000 feet of the project. The 1,000-foot radius is consistent with findings in CARB's Air Quality and Land Use Handbook (2005) and the California Health & Safety Code §42301.6 (Notice for Possible Source Near School). The 2005 CARB Air Quality and Land Use Handbook found that TAC concentrations are reduced substantially at a distance 1,000 feet downwind from sources such as freeways or large distribution centers.

4.2 Methodology

This HRA evaluates potential health risks associated with DPM and TAC emission resulting from Project implementation. Construction equipment and associated heavy-duty truck traffic generate diesel exhaust, which is a known TAC. DPM emissions from construction equipment operating at the site poses a health risk to nearby sensitive receptors. Operational activities would also include the use of heavy-duty diesel trucks that emit DPM.

Soils disturbed during earthwork at the former foundry site may be impacted with TACs and other hazardous substances associated with historical foundry operations. Potential contaminants include heavy metals from casting and smelting activities, PAHs from fuel combustion and finishing processes, solvents and degreasing agents historically used in equipment cleaning and maintenance, petroleum hydrocarbons from fuel storage and leaks, and residual materials from wastewater treatment operations. Materials potentially impacted by these contaminants would be segregated, characterized, and managed appropriately, including off-site transport and disposal at approved receiving facilities.

Construction Sources

DPM Emissions

Construction would generate DPM emissions from the use of off-road diesel equipment required for grading and excavation, paving, and other construction activities. For construction activity, DPM is the primary TAC of concern. Although DPM is a subset of PM_{10} exhaust, the analysis conservatively assumes all $PM_{2.5}$ exhaust emissions are DPM.[18] On-road diesel-powered haul trucks traveling to and from the construction area to deliver materials and equipment are less of a concern because they would not stay on the site for long durations. Diesel exhaust from construction equipment operating at the site potentially poses a health risk to nearby sensitive receptors. The nearest residence to the Project site is located approximately 625 feet to the northeast.

Health-related risks associated with diesel-exhaust emissions are primarily linked to long-term exposure and the associated risk of contracting cancer. The use of diesel-powered construction equipment would be episodic and would occur throughout the Project site. Construction activities would limit idling to no more than five minutes pursuant to Section 2485 and Section 2449 of Title 13 of the California Code of Regulations, which would further reduce nearby sensitive receptors' exposure to temporary and variable DPM emissions. Furthermore, even during the most intense period of construction, emissions of DPM would be generated from different locations on the Project site rather than in a single location because different types of construction activities (e.g., site preparation and building construction) would not occur at the same place at the same time. Construction emissions rates for $PM_{2.5}$ (DPM) were calculated from the CalEEMod construction emissions modeling conducted for the Project.

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[18] More than 90 percent of DPM is less than 1 μm in diameter and is a subset of $PM_{2.5}$. Thus, assuming $PM_{2.5}$ as the surrogate for DPM constitutes a conservative analysis. CARB, *Inhalable Particulate Matter and Health ($PM_{2.5}$ and PM_{10})*: https://ww2.arb.ca.gov/resources/inhalable-particulate-matter-and-health. CAPCOA and CARB, *Non-Vehicular Diesel Engine Risk Assessment Guidance*, July 2024.

Project construction was modeled to begin April 2027 with a construction duration of approximately 22 months and would include 646,343 square feet of demolition, including the existing building and pavement. Additionally, there would be approximately 2,100 cubic yards (cy) of soil export and 18,806 cy of soil import during construction. The construction schedules are shown in Table 3: Construction Schedule.

Table 3: Construction Schedule

Phase Type	Start	End
Demolition	April 2027	June 2027
Site Preparation	June 2027	July 2027
Grading	July 2027	August 2027
Infrastructure Improvements	August 2027	December 2027
Building Construction	January 2028	September 2028
Paving	October 2028	November 2028
Architectural Coating	December 2028	January 2029

Source: Refer to Appendix A: Modeling Data.

As described above, $PM_{2.5}$ exhaust construction emissions over the entire construction period were used in AERMOD to approximate construction DPM emissions. AERMOD requires meteorological, traffic volumes, and vehicle emissions data. Meteorological data used in the HRA is discussed below. AERMOD provides concentrations in an isopleth to visually show the dispersion of the pollutant. All AERMOD assumptions, input data, and outputs are provided herein. Risk levels were calculated based on the California Office of Environmental Health Hazard Assessment (OEHHA) guidance document, *Air Toxics Hot Spots Program Risk Assessment Guidelines* (February 2015).

TAC Emissions from COPCs

To analyze the health risk associated with TACs released from impacted soil during construction, a multipollutant analysis was conducted based on the results of the Data Gap Investigation, the Phase II ESA, and the identified pollutants of concern shown in Table 1: COPCs and Health Risk Data. Pollutant emission rates were calculated by determining the daily amount of pollutant released, using the volume and density of impacted soil, the dust release rate, and pollutant concentration, normalized by the total mass of disturbed soil. Specifically, emission rates for each of the pollutants by site was calculated using the following formula:

$$\text{Emission rate}_p = (cy_{is} * BD * DR_{ts} * C)/m_{ts}$$

Emission Rate_p = milligrams of pollutant excavated per day (mg_p/day)

Cy_{is} = cubic yards of impacted soil (cy)

BD = Bulk density of the soil (kg/cy)

DR_{ts} = Rate of total dust release (kg/day)

C = Concentration of pollutant from (mg/kg)

m_{ts} = mass of the total soil disturbed (kg)

Calculation of the emission rates required specific conservative assumptions including the total cubic yards disturbed on the Project site, the depth of grading activities across the entire Project site, and the width and depth of excavation for sewer and stormwater pipeline removal and replacement. Table 4: Pollutants Rates show the pollutant rates for each pollutant identified in Table 1: COPCs and Health Risk Data. A list of the assumptions are shown below.

Table 4: Pollutants Rates

Pollutant	Pollutant Emissions Rates (lbs/day)[1]		
	Grading	Trenching	Stockpiles
Metals			
Arsenic	5.40E-03	8.60E-01	2.53E-11
Beryllium	1.23E-05	1.96E-03	5.77E-14
Cadmium	1.18E-04	1.88E-02	5.52E-13
Chromium	2.39E-03	3.80E-01	1.12E-11
Cobalt	4.57E-04	7.27E-02	2.14E-12
Copper	1.68E-02	2.67E+00	7.85E-11
Lead	6.90E-03	1.10E+00	3.23E-11
Nickel	1.93E-03	3.07E-01	9.02E-12
Selenium	3.45E-05	5.49E-03	1.62E-13
Mercury	8.60E-06	1.37E-03	4.02E-14
VOCs			
1,1,1-Trichloroethane (TCE)	1.63E-04	1.84E-05	2.30E-05
1,1-Dichloroethane (DCA)	1.39E-04	1.57E-05	1.96E-05
1,2-Dichlorobenzene	1.87E-05	2.11E-06	2.63E-06
1,3,5-Trimethylbenzene	1.19E-03	1.34E-04	1.68E-04
1,4-Dichlorobenzene	3.67E-05	4.13E-06	5.17E-06
Acrylonitrile	1.08E-04	1.21E-05	1.52E-05
Benzene	1.05E-03	1.18E-04	1.47E-04
Chlorobenzene	2.38E-05	2.68E-06	3.35E-06
Chloroform	6.26E-05	7.05E-06	8.81E-06
cis-1,2-Dichloroethene	1.07E-04	1.20E-05	1.50E-05
Ethylbenzene	1.84E-02	2.07E-03	2.59E-03
Styrene	9.99E-06	1.12E-06	1.41E-06
Tetrachloroethene	1.19E-04	1.34E-05	1.68E-05
Toluene	6.91E-04	7.78E-05	9.73E-05
Trichloroethene	6.33E-04	7.13E-05	8.91E-05
Xylenes	3.18E-03	3.58E-04	4.47E-04
SVOCs			
2,4,6-Tribromophenol	9.77E-03	1.10E-03	1.37E-03
Benzo(a)anthracene	5.89E-03	6.63E-04	8.29E-04
Bis(2-chloroethyl)ether	7.25E-03	8.17E-04	1.02E-03
Chrysene	7.29E-03	8.21E-04	1.03E-03
Dibenz(a,h)anthracene	1.14E-03	1.29E-04	1.61E-04
Hexachlorobenzene	1.61E-03	1.82E-04	2.27E-04
Indeno(1,2,3-cd)pyrene	4.33E-03	4.88E-04	6.09E-04
Naphthalene	1.19E-03	1.34E-04	1.67E-04
Phenol	2.41E-03	2.71E-04	3.39E-04

Table 4: Pollutants Rates

Pollutant	Pollutant Emissions Rates (lbs/day)[1]		
	Grading	Trenching	Stockpiles

1. The pollutant concentrations presented do not account for the implementation of related to soil handling, stockpile management, and dust suppression. As such, the analysis reflects a conservative estimate of potential emissions and health risks, and actual impacts are expected to be lower with implementation of SCAs and SOPs.
2. When the REL was not available, a default value of 1 $\mu g/m^3$ was conservatively applied as a health-protective placeholder to avoid underestimating risk and to ensure that pollutants with unknown toxicity are included in this analysis.
3. Volatile Organic Compounds (VOCs or Reactive Organic Gases [ROG]) are hydrocarbons/organic gases that are formed solely of hydrogen and carbon. There are several subsets of organic gases including ROGs and VOCs. Both ROGs and VOCs are emitted from the incomplete combustion of hydrocarbons or other carbon-based fuels.
4. Semi-Volatile Organic Compounds (SVOCs) are a subgroup of VOCs that are not as volatile and tend to have higher molecular weights and boil point temperatures than other VOCs.

Source: California Office of Environmental Health Hazard Assessment. *Chemicals Database*. Retrieved from https://oehha.ca.gov/chemicals. California Office of Environmental Health Hazard Assessment. *OEHHA Acute, 8-hour and Chronic Reference Exposure Level (REL) Summary*. Retrieved from https://oehha.ca.gov/air/general-info/oehha-acute-8-hour-and-chronic-reference-exposure-level-rel-summary.

- **Identification of Pollutant Concentrations.** Concentrations for the metals, VOCs, and SVOCs at the Project site were derived from the threshold for detection listed in the Data Gap Investigation. For pollutants that were detected at some sampling and boring locations but reported as non-detect at others, one-half of the detection limit was applied in the evaluation, consistent with U.S. EPA risk assessment guidance for handling non-detect data. Pollutants that were consistently reported as non-detect across all sampling and boring locations were excluded from further evaluation.

- **Grading.** Project grading activities were assumed to disturb approximately 53,500 cy of soil over the 14.9-acre site. The average depth of soil disturbance during the grading activities was assumed to be 2 feet. The duration of soil disturbance during the grading phase was assumed to be approximately 110 days.

- **Excavation.** Project excavation activities associated with the sewer and stormwater pipeline removal and replacement were assumed to disturb approximately 5,400 cy of soil. The average depth and width of soil disturbance during the excavation activities was assumed to be 11 feet. The duration of soil disturbance during the excavation activities was assumed to be approximately 110 days.

- **Stockpiles.** Soil generated during excavation activities for the removal and replacement of sewer and stormwater pipelines was assumed to be temporarily stored in stockpiles. Each stockpile was estimated to contain approximately 2,700 cy of excavated soil, resulting in a total of about 5,400 cy of soil to be managed on-site. The stockpiles were assumed to remain on-site for an approximate duration of 44 days.

- **Metals Emissions Calculations.** Metals emissions from soil disturbance were quantified using site-specific soil chemistry from the Data Gap Investigation and standard fugitive-dust estimation methods. The calculations applied a 3 percent airborne-loss factor to represent construction-phase dust generation, with emissions applied to individual metals based on their measured concentrations. Particulate matter from grading was characterized consistent with EPA AP-42 (Chapter 13.2.3) heavy-construction guidance, using a project-specific grading emission factor of 3.2 pounds of PM per acre-day.

- **VOCs and SVOCs Emissions Calculations.** VOC emissions from excavation activities were estimated using site-specific soil data and U.S. EPA guidance. Pollutant concentrations were identified based on the results of the Data Gap Investigation. Emission rates were calculated using the U.S. EPA methodology Estimating Air Emissions from Petroleum UST Cleanups (EPA, 1995), which provides standardized equations for estimating VOC releases during soil excavation. This methodology incorporates soil concentration data, excavation rates, and volatilization factors to derive estimated daily emission rates for each VOC of concern.

Construction emissions sources were calculated based on Project-specific activity levels. This analysis only evaluates the environmental impact of the contaminants located within the soil that would be disturbed during excavation, grading, removal and replacement of sewer and stormwater pipelines, and dust released during movement of construction equipment. See Appendix A for more information regarding the construction assumptions used in this analysis, as well as the modeled emissions. Construction emissions can vary substantially from day to day, depending on the level of activity, and the specific type of equipment used. For this analysis, construction emissions result from on-site activities.

Operational Sources

Mobile Sources

The Project is located within 1,000 feet of existing sensitive receptors. The Project is anticipated to generate a maximum of 186 daily heavy-duty truck trips based on trip generation provided by Kimley-Horn (March 2025). An emission rate for $PM_{2.5}$ (DPM) was calculated using trip data and an EMission FACtor (EMFAC) model run for Alameda County; refer to Appendix A. EMFAC generates emission factors in terms of grams of pollutant emitted per vehicle activity and can calculate a matrix of emission factors at specific values of vehicle speed and type. The model was run for heavy-duty diesel vehicles traveling along off-site roads, adjacent to the Project site, and idling at the proposed loading area on-site. The analysis includes on-site idling and truck traffic on the following roadways and vehicle speeds:

- San Leandro Street (40 miles per hour)
- Hegenberger Road (40 miles per hour)
- On-Street Truck Movement (15 miles per hour)
- On-Street Idling (idle)

Idling emissions assumed 15 minutes of idling[19] for each truck. The emissions rates were calculated using 2029 (opening year) emissions factors; refer to Appendix A.

Off-Road Equipment. Operational off-road TAC emissions are typically generated by diesel off-road cargo handling equipment. However, based on information provided by the Applicant the Project would include 10 electric forklifts. Therefore, off-road equipment would not generate TACs and were not included in the analysis.

Emergency Fire Pump. The Project would include the installation of one emergency diesel fire pump.

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[19] An idling time of 15 minutes per truck has been used per Bay Area Air District recommendations. Although the Project is required to comply with CARB's idling limit of 5 minutes, the Bay Area Air District recommends the on-site idling emissions should be estimated for 15 minutes of truck idling, which would take into account on-site idling that occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc.

The Project would include an emergency diesel fire pump that would operate during emergencies, testing and maintenance. Emissions from the fire pump would be infrequent and would not be constant. Further, the emergency fire pump operation must comply with the "Stationary Diesel Engine ATCM" section 93115 of the California Code of Regulations, which primarily limits non-emergency operation to a maximum of 50 hours per year for maintenance and testing purposes.

Dispersion Modeling

The air dispersion modeling for the construction and operational risk assessment was performed using the American Meteorological Society (AMS)/U.S. EPA Regulatory Model (AERMOD). AERMOD is a steady-state, multiple-source, Gaussian dispersion model designed for use with emission sources situated in terrain where ground elevations can exceed the stack heights of the emission sources (not a factor in this case). AERMOD estimates hourly concentrations for each source/receptor pair and calculates concentrations for user-specified averaging times, including an average concentration for the complete simulation period. AERMOD includes atmospheric dispersion options for both urban and rural environments and can address flat, gently rolling, and complex terrain situations. The modeling and analysis were prepared in accordance with the Bay Area Air District HRA guidelines and modeling guidance.[20] The parameters in AERMOD include the following:

- **Meteorological Data**. AERMOD requires hourly meteorological data consisting of wind vector, wind speed, temperature, stability class, and mixing height. The latest 5-year meteorological data set for the Oakland Airport Monitoring Station Monitoring Station (Station 23230) was obtained from the Bay Area Air District.[21] Surface and upper air meteorological data from this station was selected as being the most representative for meteorology based on proximity to the Project site, as well as terrain, surrounding land uses, and surface characteristics.
- **Project Sources**. Both construction and operational emission sources were modeled in AERMOD. The following discusses emission sources for construction and operations:
    - DPM Construction Sources. The emission sources in the model are line volume sources (comprised of smaller adjacent volume sources) for construction equipment and construction haul truck operations. Construction line volume sources were assigned a release height of 11.2 feet (3.40 meters). Construction line volume sources were assumed to operate eight hours per day.
    - TAC Construction Sources. The emission sources in the model are line volume sources (comprised of smaller adjacent volume sources) for construction equipment and construction haul truck operations during grading and excavation. Excavation activities and stockpiles associated with the infrastructure improvements on-site were modeled as area sources. Construction line volume and area sources were assumed to operate eight hours

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[20] Bay Area Air Quality Management District, *Bay Area Air District Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines*, December 2021 and *Bay Area Air District Health Risk Assessment Modeling Protocol*, December 2020.

[21] Bay Area Air Quality Management District, AERMOD-Ready Meteorological Data, https://www.baaqmd.gov/plans-and-climate/california-environmental-quality-act-ceqa/ceqa-tools/ceqa-modeling-data, accessed March 2025.

per day. The TAC construction sources used in AERMOD are summarized in Table 5: Dispersion Modeling Assumptions – Metals and Vapors.

Table 5: Dispersion Modeling Assumptions – Metals and Vapors

Emissions Source	**Geometric Configuration**[1]	**Assumptions/Methodology/Model**
Construction		
Grading	Line-Volume Sources	One line-volume source was included to calculate the dust released during the grading activities. A release height of 0 meters was modeled, with a plume width of 18 meters.
Sewer and Storm Drain Pipeline Excavation, Removal, and Replacement	Area Sources	The model includes 4 area polygons, each representing the existing and proposed sewer and strain drain pipelines. The release height modeled was 0 meters to account for release of materials at and below ground level.
Stockpiles	Area Sources	The model includes two area polygons, each representing the two anticipated stockpiles on-site. The release height of 0 meters was modeled to account for release of materials at ground level.

1. The emissions sources are defined as follows:
   - Line source: a series of volume sources (volume sources are a three-dimensional source of diffuse air pollutant emissions comprised of an area of emissions released at a height above ground) along a path (example: vehicular traffic along a roadway segment). Line sources (i.e., multiple volume sources) are also used to represent some construction activities.
   - Area Source: area sources are used to model releases that occur over an area. A polygon area used to model low level or ground level releases with no plume rise (example: storage piles, slag dumps, and lagoons).

  - Operational Sources. Operational line volume sources include the loading dock idling areas, on-site truck circulation, and off-site routes. This analysis conservatively assumes 100 percent of trucks would travel along San Leandro Street and Hegenberger Road, which are identified as truck routes within the City's General Plan. Operational line volume sources were assumed to operate 24 hours a day. Heavy-duty operational vehicle emissions were assigned a release height of 12 feet (3.70 meters), and a plume height of 20.6 feet (6.29 meters). A release height of 12 feet is the average stack height for trucks and the plume height is based on U.S. EPA guidance for vehicle volume sources. The emergency fire pump was modeled as a point source and was assigned a release height of six meters. The emergency fire pump was assumed to operate 50 hours annually for mandatory testing and maintenance. Building downwash[22] was applied for the emergency fire pump. It should be noted that the haul route closest to sensitive receptors would be located along San Leandro Street.

- **Averaging Times for DPM Sources**. AERMOD was run to obtain the period (i.e., annual) average $PM_{2.5}$ concentration in micrograms per cubic meter ($\mu g/m^3$) at the surrounding sensitive receptors as well as workers receptors. The period (annual) average concentrations were used to calculate the MICR and the maximum chronic hazard index (HI).

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[22] Building downwash is applied to point sources in AERMOD to account for the potential for pollutants to be trapped in a recirculating pattern near buildings.

- **Averaging Times for TAC Sources**. For each modeled TAC source, a 1-hour, 8-hour, and period outputs were modeled in AERMOD with either PM_{10} as a proxy for the metals or "Other" as a proxy for VOCs. The period (annual) average concentrations were used to calculate the MICR, the 1-hour concentrations were used to calculate the acute risk, and the 8-hour concentrations were used to calculate the maximum chronic risk.
- **Receptor Grid**. To identify the maximum impacted sensitive receptors, a uniform Cartesian grid was placed over the sensitive receptors in the Project site's vicinity. A receptor grid was placed over the Project site to cover the zone of impact. Due to the size of the Project site, nearby sensitive receptors were modeled with a 35-meter grid spacing.
- **Terrain Characteristics**. AERMOD regulatory defaults, the "Urban" modeling option for the County, and "Elevated" terrain were used for this analysis. In addition, National Elevation Dataset (NED) terrain data was imported into AERMOD for the Project.

Risk and Hazard Assessment

Cancer Risk. Based on the OEHHA methodology, residential inhalation cancer risk from annual average DPM concentrations are calculated by multiplying the daily inhalation dose, cancer potency factor, age sensitivity factor (ASF), frequency of time spent at home, and exposure duration divided by averaging time, yielding the excess cancer risk. These factors are discussed in more detail below. It is important to note that exposure duration is based on continual heavy truck operation along nearby roadways. Exposure through inhalation (Dose-air) is a function of breathing rate, exposure frequency, and concentration of substance in the air. To estimate cancer risk, the dose was estimated by applying the following formula to each ground-level concentration:

$$\text{Dose-air} = C_{air}*(BR/BW)*A*EF*10^{-6}$$

Dose-air = dose through inhalation (mg/kg/day)
C_{air} = air concentration (µg/m^3) from air dispersion model
(DBR/BW) = daily breathing rate normalized to body weight (L/kg bodyweight-day)
A = inhalation absorption factor (unitless)
EF = exposure frequency (approximately 350 days per year for residential)
10^{-6} = conversion factor (micrograms to milligrams, liters to cubic meters)

OEHHA developed ASFs to consider the increased sensitivity to carcinogens during early-life exposure. In the absence of chemical-specific data, OEHHA recommends default ASFs presented in Table 6: Exposure Assumptions. Fraction of time at home (FAH) during the day is used to adjust exposure duration and cancer risk from a specific facility's emissions, based on the assumption that exposure to the facility's emissions are not occurring away from home. OEHHA recommends the FAH values presented in Table 6: Exposure Assumptions. To calculate health impacts for comparison to Bay Area Air District thresholds, this report assesses risk to residential, worker, and sensitive receptors. The exposure rate for the residential scenario is more conservative than those for other sensitive receptor types (i.e. school child, daycare child, and patients) as residents have the highest exposure frequency, exposure time, and exposure duration, thus for this analysis, sensitive receptors were evaluated using residential exposure assumptions. The Bay Area Air District CEQA Air Quality Guidelines (April 2022) recognize that worker exposures should be evaluated where they are reasonably foreseeable, particularly in cases of long-term employment near sources of air contaminants.

Table 6: Exposure Assumptions

Age	Exposure Frequency (days/year)	Exposure Duration (years)	Age Sensitivity Factor[1] (ASF)	Fraction of Time at Home (FAH)	Daily Breathing Rate (L/kg BW-day[2])
Residential					
Third trimester	350	0.25	10	100%	361
0 to 2 years	350	2	10	100%	1,090
Ages 2 through 8 years	350	7	3	100%	631
Ages 9 through 15 years	350	7	3	100%	572
Ages 16 and greater	350	14	1	73%	261
Worker[3]	250	25	1	N/A	230

1. Accounts for potential increased sensitivity to carcinogens during childhood.
2. Daily breathing rate normalized to body weight (L/kg body weight - day) (95th percentile for 3rd trimester to 2 years and 80th percentile for other age groups).
3. Worker and Student breathing rates are 95th percentile 8-hour breathing rates based on moderate intensity activity.

Source: California Office of Environmental Health Hazard Assessment, *Air Toxics Program Guidance Manual for the Preparation of Health Risk Assessments*, February 2015.
Bay Area Air Quality Management District, *Bay Area Air District Health Risk Assessment Modeling Protocol*, December 2020.

To estimate the cancer risk, the dose is multiplied by the cancer potency factor, the ASF, the exposure duration divided by averaging time, and the frequency of time spent at home (for residents only):

$$Risk_{inh\text{-}res} = (Dose_{air}*CPF*ASF*(ED/AT)*FAH)$$

$Risk_{inh\text{-}res}$ = residential inhalation cancer risk (potential chances per million)
$Dose_{air}$ = daily dose through inhalation (mg/kg-day)
CPF = inhalation cancer potency factor ($mg/kg\text{-}day^{-1}$)
ASF = age sensitivity factor for a specified age group (unitless)
ED = exposure duration (years)
AT = averaging time of lifetime cancer risk (years)
FAH = fraction of time spent at home (unitless)

Acute and Chronic Non-Cancer Hazard. Non-cancer acute and chronic impacts are calculated by dividing the annual average concentration by the REL for that substance. The REL is defined as the concentration at which no adverse non-cancer health effects are anticipated. According to OEHHA, the chronic REL for DPM is 5 and the target organ is the respiratory system. The following equation was used to determine the non-cancer risk:

$$\text{Hazard Index} = C_i/REL_i$$

C_i = concentration in the air of substance i (annual average concentration in $\mu g/m^3$)
REL_i = acute / chronic noncancer Reference Exposure Level for substance ($\mu g/m^3$)

Health Risk Computation. A health risk computation was performed to determine the risk of developing an excess cancer risk calculated on a 30-year exposure scenario using the approach and the daily breathing rates, age sensitivity factors, exposure duration, and fraction of time at home described in the OEHHA *Air Toxics Program Guidance Manual for the Preparation of Health Risk*

Assessments (February 2015). Health risks were analyzed at the point of maximum impact and are a conservative estimate. The pollutant concentrations are then used to estimate the long-term cancer health risks to an individual as well as the non-cancer chronic health index.

The off-site impacts would occur from the on-site mechanical equipment and diesel trucks accessing the proposed Project, and fugitive dust containing TACs released during disturbance of impacted soils. The cancer and chronic health risks were evaluated based on the annual average concentration of $PM_{2\cdot5}$ (used as a proxy for diesel particulate matter). The cancer and chronic health risks were evaluated based on the modeled concentrations of 1-hour, 8-hour, and period concentration of $PM_{2\cdot5}$ (used as a proxy for metals) and “Other” (used as a proxy for VOCs and SVOCs).

As noted above, the acute, chronic, and carcinogenic health risk calculations are based on the standardized equations contained in the U.S. EPA *Human Health Evaluation Manual* (1991) and the OEHHA Guidance Manual (2015). The concentration estimate developed using this methodology is conservative and is not a specific prediction of the actual concentrations that would occur at or near the Project site at any one point in time. Receptors are often indoors and not in one location over the course of a lifetime exposure. Therefore, risk levels identified in this report represent a worst-case scenario. Actual pollutant concentrations and health risk levels are dependent on many variables, particularly the number and type of vehicles and equipment operating at specific distances during time periods of adverse meteorology. The health risk computation was performed to determine the risk of developing an excess cancer risk calculated on these worst-case exposure duration scenarios. Only the risk associated with the worst-case location of the Project was assessed (i.e., the maximally exposed individuals [MEI] identified in Section 5, below).

5.0 HEALTH RISK IMPACT EVALUATION

CARB identified DPM as a TAC in 1998 and as a result, OEHHA adopted a cancer risk factor for public exposure to DPM. Mobile sources (including trucks, buses, automobiles, trains, ships, and farm equipment) are by far the largest source of diesel emissions. Diesel exhaust is emitted from a broad range of on- and off-road diesel engines. In addition, soils at the Project site may contain TACs associated with historical foundry operations, including heavy metals, VOCs, and SVOCs. Disturbance of these soils during construction could result in the release of TACs in fugitive dust emissions. Because the Project is proposed near existing sensitive receptors (single-family residences), an analysis of both DPM from construction and operations and TAC emissions from impacted soils was performed using the U.S. EPA-approved AERMOD dispersion model.

5.1 Carcinogenic Risk

Construction-related activities would result in Project-generated emissions of DPM from the exhaust of off-road, heavy-duty diesel equipment for site preparation (e.g. demolition, clearing, grading); paving; application of architectural coatings; on-road truck travel; and other miscellaneous activities. For construction activity, DPM is the primary toxic air contaminant of concern. On-road diesel-powered haul trucks traveling to and from the construction area to deliver materials and equipment are less of a concern because they would not stay on the site for long durations. Diesel exhaust from construction equipment operating at the site could pose a health risk to nearby sensitive receptors.

In addition, disturbance of impacted soils at the Project site could release other TACs, including heavy metals, VOCs, and SVOCs, through fugitive dust emissions. While on-road diesel-powered haul trucks traveling to and from the construction area would also emit DPM, their contribution is less significant because of their limited on-site duration. Overall, diesel exhaust and fugitive dust emissions from impacted soils (including heavy metals, VOCs, and SVOCs) during construction have the potential to pose health risks to nearby sensitive receptors.

Long-term operations of the Project would generate ongoing diesel emissions from heavy-duty trucks traveling to and from the Project site for goods movement. These operational truck trips, which occur on a daily basis, represent a substantial long-term source of DPM emissions and may also contribute to localized health risks at sensitive receptors in proximity to the site.

Project construction would occur for a period of approximately 22 months. However, the health risk computation was performed to determine the risk of developing an excess cancer risk calculated on a 3-year exposure scenario, beginning with the third trimester, as recommended by the Bay Area Air District, and thus is conservative.[23] Further, based on OEHHA *Risk Assessment Guidelines*, the exposure duration for a resident is 30 years, beginning with the third trimester. Operations would commence following the construction period. The analysis calculates risk based on exposure to construction concentrations during the first 3 years of the exposure duration and operational concentrations for the remainder of the exposure duration (three year construction exposure duration followed by 27 year operational exposure duration). The reported annual pollutant concentrations are at the closest maximally exposed individual (MEI). The maximally exposed individual resident (MEIR) is located 625 feet northeast of the Project site and maximally exposed individual worker (MEIW) is located 50 feet east of the Project site.

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[23] The Bay Area Air District recommends that the cancer risk be evaluated assuming that the average daily dose for short-term exposure lasts a minimum of three years for projects lasting three years or less (Bay Area Air District, *Bay Area Air District Air Toxics NSR Program Health Risk Assessment Guidelines*, December 2021).

Table 7: DPM Particulate Matter Concentration and Carcinogenic Risk shows the health risk associated with DPM for the following scenarios: construction, operation, and combined construction and operation of the Project. As shown in Table 7, the construction risk associated with DPM emissions at residential and the off-site worker receptors would be approximately 0.09 and 0.07 in one million, respectively. Additionally, the operational cancer risk associated with DPM emissions at residential and the off-site worker receptors would be 0.13 and 0.15 in one million, respectively. The combined construction and operational cancer risk associated with DPM emissions at the residential and off-site worker receptors would be 0.19 and 0.22 in one million, respectively. Therefore, the maximum construction, operational cancer risk and combined construction and operational cancer risk associated with DPM emissions would not exceed the Bay Area Air District threshold of 10 in one million.

Additionally, the maximum $PM_{2.5}$ concentrations generated by DPM emissions during Project construction and operations and combined construction and operations would not exceed the Bay Area Air District threshold of 0.3 μg/m^3 at any of the receptors.

Table 7: DPM Particulate Matter Concentration and Carcinogenic Risk

Exposure Scenario[1]	$PM_{2.5}$ Annual Concentration (μg/m^3)	$PM_{2.5}$ Threshold (μg/m^3)	Cancer Risk (Risk per Million)[2]	Significance Threshold (Risk per Million)	Exceeds Risk Significance Threshold?
Construction					
Residential Receptor	0.02	0.30	0.09	10	No
Off-Site Worker Receptor	0.21	0.30	0.07	10	No
Operations					
Residential Receptor	<0.01	0.30	0.13	10	No
Off-Site Worker Receptor	0.01	0.30	0.15	10	No
Combined Construction + Operations					
Residential Receptor	0.03	0.30	0.19	10	No
Off-Site Worker Receptor	0.22	0.30	0.22	10	No

1. The reported annual pollutant concentration is at the closest maximally exposed individual (MEI) to the Project site. The maximally exposed individual resident (MEIR) is located 625 feet northeast of the Project site and maximally exposed individual worker (MEIW) is located 50 feet east of the Project site.
2. Exposure scenario is the risk from DPM.

Source: Refer to HRA Report Appendix A: Modeling Data.

Table 8: Multipollutant Carcinogenic Risk shows the health risk associated with COPC TAC emissions from impacted soils (including heavy metals, VOCs, and SVOCs) during construction. As shown in Table 8, the total construction risk associated with emissions from impacted soils at residential and the off-site worker receptors would be approximately 0.002 and 0.005 in one million, respectively. Therefore, the maximum construction cancer risk associated with emissions from impacted soils would not exceed the Bay Area Air District threshold of 10 in one million.

Table 8: Multipollutant Carcinogenic Risk

Pollutant Type	Exposure Scenario[1]	Cancer Risk (Risk per Million)[2]	Significance Threshold (Risk per Million)	Exceeds Risk Significance Threshold?
Construction				
Metals	Residential Receptor	0.002	10	No
	Off-Site Worker Receptor	0.005	10	No
VOCs	Residential Receptor	<0.001	10	No
	Off-Site Worker Receptor	<0.001	10	No
SVOCs	Residential Receptor	<0.001	10	No
	Off-Site Worker Receptor	<0.001	10	No
Total Multipollutant	**Residential Receptor**	**0.002**	**10**	**No**
	Off-Site Worker Receptor	**0.005**	**10**	**No**

1. The maximally exposed individual resident (MEIR) is located 625 feet northeast of the Project site and maximally exposed individual worker (MEIW) is located 50 feet east of the Project site.
2. Exposure scenario is the risk from COPCs (including heavy metals, VOCs, and SVOCs).

Source: Refer to HRA Report Appendix A: Modeling Data.

Non-Carcinogenic Hazard

The significance thresholds for TAC exposure also require an evaluation of non-cancer risk stated in terms of a hazard index. Non-cancer chronic impacts are calculated by dividing the annual average concentration by the REL for that substance. The REL is defined as the concentration at which no adverse non-cancer health effects are anticipated. RELs are designed to protect sensitive individuals within the population. For example, according to OEHHA, the REL for DPM is 5 and the target organ is the respiratory system.[24] The non-cancer risks for all other COPC were determined using the RELs shown in Table 1: COPCs and Health Risk Data above.

Chronic non-carcinogenic impacts associated with DPM from Project construction and operations are shown in Table 9: DPM Chronic Hazard Assessment. A chronic hazard index of 1.0 is considered individually significant. The hazard index is calculated by dividing the chronic exposure by the reference exposure level. The chronic hazard was calculated based on the highest annual average concentration at the MEI receptors. It should be noted that there is no acute REL for DPM and acute health risk cannot be calculated.

Table 9: DPM Chronic Hazard Assessment

Exposure Scenario[1,2]	Concentration (μg/m^3)[1]	Chronic Hazard
Construction		
Residential Receptor	<0.001	<0.001
Off Site Worker Receptor	0.003	0.023
Operation		

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[24] California Office of Environmental Health Hazard Assessment, *OEHHA Acute, 8-hour and Chronic Reference Exposure Level (REL) Summary*, available at https://oehha.ca.gov/air/general-info/oehha-acute-8-hour-and-chronic-reference-exposure-level-rel-summary, accessed March 2025.

Table 9: DPM Chronic Hazard Assessment

Exposure Scenario[1,2]	Concentration (μg/m³)[1]	Chronic Hazard
Residential Receptor	<0.001	<0.001
Off Site Worker Receptor	<0.001	<0.001
Bay Area Air District Threshold	*1.0*	*1.0*
Threshold Exceeded?	No	No

1. The reported annual pollutant concentration is at the closest maximally exposed individual (MEI) to the Project site. The maximally exposed individual resident (MEIR) is located 625 feet northeast of the Project site and maximally exposed individual worker (MEIW) is located 50 feet east of the Project site.
2. Exposure scenario is the risk from DPM.

Source: Refer to Appendix A.

Chronic, acute, and 8-hour non-carcinogenic impacts associated with COPC TAC emissions from impacted soils (including heavy metals, VOCs, and SVOCs) from Project construction are shown in Table 10: Multipollutant Chronic and Acute Hazard Assessment. A chronic, acute, and 8-hour hazard index of 1.0 is considered individually significant. The hazard index is calculated by dividing the chronic exposure by the reference exposure level. The chronic hazard was calculated based on the highest annual average concentration at the MEI receptors.

Table 10: Multipollutant Chronic and Acute Hazard Assessment

Pollutant Type	Exposure Scenario[1,2]	Chronic Hazard	Acute Hazard	8-hour
Construction				
Metals	Residential Receptor	<0.001	0.001	0.010
	Off Site Worker Receptor	0.023	0.003	0.151
VOCs	Residential Receptor	<0.001	0.008	0.001
	Off Site Worker Receptor	<0.001	0.074	0.008
SVOCs	Residential Receptor	<0.001	<0.001	<0.001
	Off Site Worker Receptor	<0.001	<0.001	<0.001
Total Multipollutant	**Residential Receptor**	**<0.001**	**0.009**	**0.011**
	Off Site Worker Receptor	**0.023**	**0.077**	**0.159**
	Bay Area Air District Threshold	*1.0*	*1.0*	*1.0*
	Threshold Exceeded?	No	No	No

1. The maximally exposed individual resident (MEIR) is located 625 feet northeast of the Project site and maximally exposed individual worker (MEIW) is located 50 feet east of the Project site.
2. Exposure scenario is the risk from COPCs (including heavy metals, VOCs, and SVOCs).

Source: Refer to Appendix A.

The highest maximum chronic hazard index associated with both DPM and COPC TAC emissions from Project construction would be less than 0.001 at the residential receptor and 0.023 at the off-site worker receptor. Additionally, the highest maximum chronic hazard index associated with DPM emissions from Project operations would be less than 0.001 at the residential receptor as well as the off-site worker receptor. The highest acute hazard index associated with Project construction would be 0.009 at the residential receptor and 0.077 at the off-site worker receptor. The highest maximum 8-hour hazard index associated with Project construction would be 0.011 at the residential receptor and 0.159 at the off-site worker receptor. Therefore, construction and operational non-carcinogenic hazards associated with both DPM and COPC TAC emissions would not exceed the acceptable limits of 1.0 and impacts would be less than significant.

5.2 Cumulative Health Impacts

Cumulative impacts are defined as two or more individual effects which, when considered together, are considerable or which compound or increase other environmental impacts. CEQA Guidelines 15065(a)(3) states "… 'Cumulatively considerable' means that the incremental effects of an individual project are significant when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects."

The Bay Area Air District recommends that the cumulative analysis combine the risks and hazards from existing sources within 1,000 feet of the project's sources with the risks and hazards from the project's sources. Therefore, mobile and stationary sources[25] within a 1,000-foot radius of the Project site were reviewed using Bay Area Air District's Stationary Source Screening Analysis Tools per Bay Area Air District CEQA Guidelines. Six stationary sources is located within a 1,000-foot radius of the Project site. As shown in Table 11: Cumulative Operational Health Risk, cumulative impacts related to cancer risk and hazard would be less than significant and within acceptable limits. Additionally, the maximum cumulative $PM_{2.5}$ concentrations would not exceed Bay Area Air District's cumulative threshold of 0.8 $\mu g/m^3$, the primary contributor to those concentrations is the existing stationary sources near the Project area. The existing highway sources have a high $PM_{2.5}$ concentration (0.22 $\mu g/m^3$). The existing stationary sources represent approximately 60 percent of the total concentrations and are unrelated to the Project. The Project represents less than three percent of total cumulative $PM_{2.5}$ in the Project area.

The Project and the cumulative project total $PM_{2.5}$ concentrations and cancer risk would not exceed Bay Area Air District cumulative thresholds. Therefore, the combined effects from both the proposed Project and related projects would not be cumulatively significant. The Project is also below Bay Area Air District's incremental health risk thresholds. Therefore, the incremental effect of the individual Project is also less than cumulatively considerable.[26] As the related cumulative TAC sources in the Project area do not exceed Bay Area Air District cumulative thresholds for cancer risk and the Project does not exceed Bay Area Air District incremental thresholds, impacts would not be cumulatively considerable. Therefore, the project's cumulative impacts would be less than cumulatively considerable.

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[25] Stationary sources are defined as sources that remain in a single location while they are operating.

[26] CEQA case law has held that any additional emissions in an impacted area does not necessarily create a significant cumulative impact, finding that "the 'one [additional] molecule rule' is not the law" (Communities for a Better Environment v. California Resources Agency (2002) 103 Cal. App. 4th 98, 120).

Table 11: Cumulative Operational Health Risk

Emissions Sources	$PM_{2.5}$ (µg/m^3)	Cancer Risk (per million)	Hazard
Project Emissions (Combined Construction + Operations)	0.03	0.19	0.12
Stationary Sources[2]			
835 75th Avenue	0.00	0.00	0.00
8200 Baldwin Street	0.00	0.00	0.00
700 71st Avenue	0.00	0.00	0.00
900A 77th Avenue	0.00	0.90	0.00
8255 San Leandro Street	0.00	1.17	0.01
8300 Baldwin Street	0.07	10.46	0.64
Major Street Sources[1]	0.06	3.25	0.24
Highway Sources[1]	0.22	12.78	0.88
Railway Sources[1]	0.01	8.04	0.04
Cumulative Health Risk Values	**0.39**	**36.79**	**1.93**
Bay Area Air District Cumulative Threshold	*0.8*	*100*	*10*
Threshold Exceeded?	**No**	**No**	**No**

1. Bay Area Air District GIS data.

Source: Bay Area Air District's Stationary Source Data and GIS Mapping Tools, 2024.

5.3 Conclusion

As described above, impacts related to incremental excess cancer risk would be less than significant. Additionally, non-carcinogenic hazards are calculated to be within acceptable limits. Project and related project total $PM_{2.5}$ concentrations, cancer risk, chronic hazard, and acute hazard would not exceed Bay Area Air District cumulative thresholds. The Project's would not make a cumulatively considerable contribution to significant cumulative health risk.

Mitigation Measure(s): No mitigation is required.

Level of Significance: Less than significant impact.

6.0 REFERENCES

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Appendix A

Modeling Data

CONSTRUCTION

	2027		**Days**	**Vendor**	**Hauling**	**Vendor**	**Hauling**
Demo	4/1/2027	6/1/2027	44	0	169	0	7432
Site Prep	6/2/2027	7/1/2027	22	0	12	0	264
Grading	7/2/2027	8/30/2027	42	0	56	0	2352
Infra Imporvements	8/31/2027	12/31/2027	89	0	0	0	0
	2028						
Building	1/3/2028	9/29/2028	195	51	0	9926	0
Paving	10/2/2028	11/30/2028	44	0	0	0	0
Arch Coating	11/1/2028	12/31/2028	43	0	0	0	0
	2029						
Arch Coating	1/1/2029	1/31/2029	23	0	0	0	0

Construction Duration (days)

2027	**2028**	**2029**	**Total**	**# Mons**	
274	363	30	667	21	1.75
1095 BAAQMD 3 year expsoure					

On-Site Construction PM2.5 Exhaust (tons/yr)

Year	**Phase**	**Unmitigated**	**Mitigated**
2027	Demo	1.61E-02	1.39E-03
2027	Site Prep	1.21E-02	1.12E-03
2027	Grading	2.02E-02	2.60E-03
2027	Infra Imporvements	4.27E-02	5.52E-03
	Total 2027	**9.10E-02**	**1.06E-02**
2028	Building	3.41E-02	9.44E-03
2028	Paving	7.67E-03	8.54E-04
2028	Arch Coating	3.08E-04	5.12E-05
	Total 2028	**4.20E-02**	**1.03E-02**
2029	Arch Coating	1.31E-04	2.60E-05
	Total 2029	**1.31E-04**	**2.60E-05**

Off-Site Construction PM2.5 Exhaust (tons/yr)

Year	**Phase**	**Emissions**	**Weighted**
2027	Demo	3.28E-03	1.44E-01
2027	Site Prep	1.16E-04	2.55E-03
2027	Grading	1.02E-02	4.27E-01
2027	Infra Imporver	0.00E+00	0.00E+00
	Total 2027	**1.36E-02**	**5.24E-04**
2028	Building	1.84E-03	3.59E-01
2028	Paving	0.00E+00	0.00E+00
2028	Arch Coating	0.00E+00	0.00E+00
	Total 2028	**1.84E-03**	**3.28E-04**
2029	Arch Coating	0.00E+00	0.00E+00
	Total 2029	**0.00E+00**	**0.00E+00**

Construction

Group: ONSITE

PM2.5 Exhaust Onsite

Year	**Tons/Year**	**g/s**	**Weighted Average On-Site Rate**	**AERMOD Unitized Rate (g/s)**
2027	5.13E-03	5.90E-04	**5.44E-04**	1
2028	6.39E-03	5.54E-04		
2029	2.75E-06	2.38E-07		

Group: OFFSITE

	Trips		**Miles**		
Year	**Vendor**	**Hauling**	**Vendor**	**Hauling**	**Weighted Trip length**
2027	0	10048	**8.4**	**196**	196.00
2028	9926	0	**8.4**	**20**	8.40
2029	0	0	**8.4**	**20**	0.00

PM2.5 Exhaust Off-Site

	Tons/Year	**g/s**	**g/s per mile**	**Weighted Average Off-Site Rate**
2027	5.24E-04	6.02E-05	3.07E-07	**1.97E-06**
2028	3.28E-04	2.84E-05	3.38E-06	
2029	0.00E+00	0.00E+00	0.00E+00	

Group: OFFSITE

Roadway	**Speed**	**Length (meters)**	**Length (Miles)**	**Emissions (g/sec per mile)**	**Emission Rate (g/sec)**	**AERMOD Emissions Rate**
				Unmitigated		
San Leandro	**40**	**957.5**	0.59	1.97E-06	1.17E-06	0.57
Hegenberger	**40**	**708.3**	0.44	1.97E-06	8.66E-07	0.43
		1665.8			**2.04E-06**	

OPERATIONS

Group: Onsite

Truck Route Emissions	Speed (mph)	Trips (veh/day)	Truck Emission Factor (g/mi)	Length (meters)	Length (mi/veh)	Truck Emissions (g/day)	Emission Rate (g/sec)
Onsite	15	186	0.00027	1747.4	1.09	5.48E-02	**6.34E-07**

Group: Offsite

OFFSITE	Speed (mph)	Trips (veh/day)	Truck Emission Factor (g/mi)	Length (meters)	Length (mi/veh)	Emissions (g/day)	Emission Rate (g/sec)	Aermod Emissions Rate
San Leandro	40	186	0.00053	957.5	0.59	5.90E-02	**6.83E-07**	0.57
Hegenberger	40	186	0.00053	708.3	0.44	4.36E-02	**5.05E-07**	0.43
				1665.8			**1.19E-06**	

Group: Idiling

Loading Dock Idling	Speed (mph)	Trips (veh/day)	Truck Emission Factor (g/mi)	Duration (hr/veh)	Truck Emissions (g/day)	Idling Emissions Rate (g/sec)
Warehouse	Idle	186	4.80305E-05	0.25	2.23E-03	**2.58E-08**

Unitized emission rates (1 g/s) were used for source groups in AERMOD.

Fire Pump	# of Equip	Emission factor (lbs/yr)	Emission factor (g/sec)	AERMOD Unitized Emissions Rate (g/s)
Fire Pump	1	9.71	0.02447	1.0000

Risk Summary

Residential Exposure

Construction (Unmitigated)

Location	X	Y	X, Y	Rec #	Concentration	Construction Risk	Risk Per Million	Threhold	
Residences northeast	570990.55	4178758.99	570990.55, 4178758.99	0	0.000307921	9.42798E-08	0.094279812	1.00E-05	LTS

Operations (Unmitigated)

Location	X	Y	X, Y	Rec #	Concentration	Operational Risk	Risk Per Million	Threhold	
Residences West	570990.55	4178758.99	570990.55, 4178758.99	0	0.000220871	1.33481E-07	0.133481161	1.00E-05	LTS

Worker Exposure

Construction (Unmitigated)

Location	X	Y	X, Y	Rec #	Concentration	Construction Risk	Risk Per Million	Threhold	
Worker West	571150.55	4178238.99	571150.55, 4178238.99	443	0.002972836	6.9546E-08	0.069546048	1.00E-05	LTS

Operations (Unmitigated)

Location	X	Y	X, Y	Rec #	Concentration	Operational Risk	Risk Per Million	Threhold	
Worker West	571150.55	4178238.99	571150.55, 4178238.99	443	0.000630949	1.49243E-07	0.14924329	1.00E-05	LTS

Combined Construction and Operations

Combined Unmitigated

Location	X	Y	X, Y	Rec #	Combined Risk	Risk Per Million	Threhold	
Residences West	570990.55	4178758.99	570990.55, 4178758.99	946	1.86269E-07	0.186269437	1.00E-05	LTS
Worker West	571150.55	4178238.99	571150.55, 4178238.99	443	2.18789E-07	0.218789338	1.00E-05	LTS

CONSTRUCTION RISK (UNMITIGATED)

CONSTRUCTION RISK (UNMITIGATED)

Unmitigated	
Onsite	Offsite
5.44E-04	2.04E-06

					Concentration (AVERAG		**Concentration (AVERAGE CONC) [ug/m^3]**			**Residential Dose**					**Risk by Age Group**					
	Discrete R	X	Y	X, Y	Onsite	Offsite	**Onsite**	**Offsite**	**Unmitigated Total**	**3rd Tri**	**0<2**	**2<9**	**9<16**	**16<30**	**3rd Tri**	**0<2**	**2<9**	**9<16**	**16<30**	**Total Risk**
1	UCART1	570230.6	4177838.99	570230.55, 4177838.99	0.05089	0.0552	2.77E-05	1.12E-07	2.78E-05	9.6E-09	2.9E-08	1.7E-08	1.5E-08	7.0E-09	3.2E-10	7.8E-09	4.3E-10	0.0E+00	0.0E+00	8.5E-09
2	UCART1	570270.6	4177838.99	570270.55, 4177838.99	0.05428	0.0593	2.95E-05	1.21E-07	2.97E-05	1.0E-08	3.1E-08	1.8E-08	1.6E-08	7.4E-09	3.4E-10	8.3E-09	4.6E-10	0.0E+00	0.0E+00	9.1E-09
3	UCART1	570310.6	4177838.99	570310.55, 4177838.99	0.05789	0.0638	3.15E-05	1.30E-07	3.16E-05	1.1E-08	3.3E-08	1.9E-08	1.7E-08	7.9E-09	3.7E-10	8.8E-09	4.9E-10	0.0E+00	0.0E+00	9.7E-09
4	UCART1	570350.6	4177838.99	570350.55, 4177838.99	0.06169	0.0689	3.36E-05	1.40E-07	3.37E-05	1.2E-08	3.5E-08	2.0E-08	1.8E-08	8.4E-09	3.9E-10	9.4E-09	5.2E-10	0.0E+00	0.0E+00	1.0E-08
5	UCART1	570390.6	4177838.99	570390.55, 4177838.99	0.06569	0.0745	3.57E-05	1.52E-07	3.59E-05	1.2E-08	3.8E-08	2.2E-08	2.0E-08	9.0E-09	4.1E-10	1.0E-08	5.5E-10	0.0E+00	0.0E+00	1.1E-08
6	UCART1	570430.6	4177838.99	570430.55, 4177838.99	0.06979	0.0808	3.80E-05	1.64E-07	3.81E-05	1.3E-08	4.0E-08	2.3E-08	2.1E-08	9.5E-09	4.4E-10	1.1E-08	5.9E-10	0.0E+00	0.0E+00	1.2E-08
7	UCART1	570470.6	4177838.99	570470.55, 4177838.99	0.07395	0.0879	4.02E-05	1.79E-07	4.04E-05	1.4E-08	4.2E-08	2.4E-08	2.2E-08	1.0E-08	4.7E-10	1.1E-08	6.2E-10	0.0E+00	0.0E+00	1.2E-08
8	UCART1	570510.6	4177838.99	570510.55, 4177838.99	0.07805	0.0958	4.25E-05	1.95E-07	4.27E-05	1.5E-08	4.5E-08	2.6E-08	2.3E-08	1.1E-08	4.9E-10	1.2E-08	6.6E-10	0.0E+00	0.0E+00	1.3E-08
9	UCART1	570550.6	4177838.99	570550.55, 4177838.99	0.08214	0.1052	4.47E-05	2.14E-07	4.49E-05	1.6E-08	4.7E-08	2.7E-08	2.5E-08	1.1E-08	5.2E-10	1.3E-08	6.9E-10	0.0E+00	0.0E+00	1.4E-08
10	UCART1	570590.6	4177838.99	570590.55, 4177838.99	0.086	0.1158	4.68E-05	2.36E-07	4.70E-05	1.6E-08	4.9E-08	2.8E-08	2.6E-08	1.2E-08	5.4E-10	1.3E-08	7.2E-10	0.0E+00	0.0E+00	1.4E-08
11	UCART1	570630.6	4177838.99	570630.55, 4177838.99	0.08953	0.1277	4.87E-05	2.60E-07	4.90E-05	1.7E-08	5.1E-08	3.0E-08	2.7E-08	1.2E-08	5.7E-10	1.4E-08	7.5E-10	0.0E+00	0.0E+00	1.5E-08
12	UCART1	570670.6	4177838.99	570670.55, 4177838.99	0.09264	0.1406	5.04E-05	2.86E-07	5.07E-05	1.8E-08	5.3E-08	3.1E-08	2.8E-08	1.3E-08	5.9E-10	1.4E-08	7.8E-10	0.0E+00	0.0E+00	1.6E-08
13	UCART1	570710.6	4177838.99	570710.55, 4177838.99	0.09525	0.1531	5.18E-05	3.12E-07	5.21E-05	1.8E-08	5.4E-08	3.2E-08	2.9E-08	1.3E-08	6.0E-10	1.5E-08	8.0E-10	0.0E+00	0.0E+00	1.6E-08
14	UCART1	570750.6	4177838.99	570750.55, 4177838.99	0.09731	0.1623	5.29E-05	3.31E-07	5.33E-05	1.8E-08	5.6E-08	3.2E-08	2.9E-08	1.3E-08	6.2E-10	1.5E-08	8.2E-10	0.0E+00	0.0E+00	1.6E-08
15	UCART1	570790.6	4177838.99	570790.55, 4177838.99	0.09887	0.1685	5.38E-05	3.43E-07	5.41E-05	1.9E-08	5.7E-08	3.3E-08	3.0E-08	1.4E-08	6.3E-10	1.5E-08	8.3E-10	0.0E+00	0.0E+00	1.7E-08
16	UCART1	570830.6	4177838.99	570830.55, 4177838.99	0.10001	0.1757	5.44E-05	3.58E-07	5.48E-05	1.9E-08	5.7E-08	3.3E-08	3.0E-08	1.4E-08	6.3E-10	1.5E-08	8.4E-10	0.0E+00	0.0E+00	1.7E-08
17	UCART1	570870.6	4177838.99	570870.55, 4177838.99	0.10089	0.1824	5.49E-05	3.71E-07	5.53E-05	1.9E-08	5.8E-08	3.3E-08	3.0E-08	1.4E-08	6.4E-10	1.5E-08	8.5E-10	0.0E+00	0.0E+00	1.7E-08
18	UCART1	570910.6	4177838.99	570910.55, 4177838.99	0.10169	0.1908	5.53E-05	3.89E-07	5.57E-05	1.9E-08	5.8E-08	3.4E-08	3.1E-08	1.4E-08	6.4E-10	1.6E-08	8.6E-10	0.0E+00	0.0E+00	1.7E-08
19	UCART1	570950.6	4177838.99	570950.55, 4177838.99	0.10257	0.2038	5.58E-05	4.15E-07	5.62E-05	1.9E-08	5.9E-08	3.4E-08	3.1E-08	1.4E-08	6.5E-10	1.6E-08	8.7E-10	0.0E+00	0.0E+00	1.7E-08
20	UCART1	570990.6	4177838.99	570990.55, 4177838.99	0.10365	0.2149	5.64E-05	4.38E-07	5.68E-05	2.0E-08	5.9E-08	3.4E-08	3.1E-08	1.4E-08	6.6E-10	1.6E-08	8.8E-10	0.0E+00	0.0E+00	1.7E-08
21	UCART1	571030.6	4177838.99	571030.55, 4177838.99	0.10491	0.2192	5.71E-05	4.46E-07	5.75E-05	2.0E-08	6.0E-08	3.5E-08	3.2E-08	1.4E-08	6.6E-10	1.6E-08	8.9E-10	0.0E+00	0.0E+00	1.8E-08
22	UCART1	571070.6	4177838.99	571070.55, 4177838.99	0.10622	0.2172	5.78E-05	4.42E-07	5.82E-05	2.0E-08	6.1E-08	3.5E-08	3.2E-08	1.5E-08	6.7E-10	1.6E-08	9.0E-10	0.0E+00	0.0E+00	1.8E-08
23	UCART1	571110.6	4177838.99	571110.55, 4177838.99	0.10731	0.2112	5.84E-05	4.30E-07	5.88E-05	2.0E-08	6.1E-08	3.6E-08	3.2E-08	1.5E-08	6.8E-10	1.6E-08	9.1E-10	0.0E+00	0.0E+00	1.8E-08
24	UCART1	571150.6	4177838.99	571150.55, 4177838.99	0.10804	0.2031	5.88E-05	4.14E-07	5.92E-05	2.0E-08	6.2E-08	3.6E-08	3.2E-08	1.5E-08	6.8E-10	1.7E-08	9.1E-10	0.0E+00	0.0E+00	1.8E-08
25	UCART1	571190.6	4177838.99	571190.55, 4177838.99	0.10843	0.1941	5.90E-05	3.95E-07	5.94E-05	2.1E-08	6.2E-08	3.6E-08	3.3E-08	1.5E-08	6.9E-10	1.7E-08	9.1E-10	0.0E+00	0.0E+00	1.8E-08
26	UCART1	571230.6	4177838.99	571230.55, 4177838.99	0.10858	0.1851	5.91E-05	3.77E-07	5.95E-05	2.1E-08	6.2E-08	3.6E-08	3.3E-08	1.5E-08	6.9E-10	1.7E-08	9.2E-10	0.0E+00	0.0E+00	1.8E-08
27	UCART1	571270.6	4177838.99	571270.55, 4177838.99	0.10875	0.1765	5.92E-05	3.59E-07	5.95E-05	2.1E-08	6.2E-08	3.6E-08	3.3E-08	1.5E-08	6.9E-10	1.7E-08	9.2E-10	0.0E+00	0.0E+00	1.8E-08
28	UCART1	571310.6	4177838.99	571310.55, 4177838.99	0.109	0.1685	5.93E-05	3.43E-07	5.96E-05	2.1E-08	6.2E-08	3.6E-08	3.3E-08	1.5E-08	6.9E-10	1.7E-08	9.2E-10	0.0E+00	0.0E+00	1.8E-08
29	UCART1	571350.6	4177838.99	571350.55, 4177838.99	0.10977	0.1613	5.97E-05	3.28E-07	6.01E-05	2.1E-08	6.3E-08	3.6E-08	3.3E-08	1.5E-08	6.9E-10	1.7E-08	9.2E-10	0.0E+00	0.0E+00	1.8E-08
30	UCART1	571390.6	4177838.99	571390.55, 4177838.99	0.11129	0.1545	6.05E-05	3.15E-07	6.09E-05	2.1E-08	6.4E-08	3.7E-08	3.3E-08	1.5E-08	7.0E-10	1.7E-08	9.4E-10	0.0E+00	0.0E+00	1.9E-08
31	UCART1	571430.6	4177838.99	571430.55, 4177838.99	0.11384	0.1482	6.19E-05	3.02E-07	6.22E-05	2.2E-08	6.5E-08	3.8E-08	3.4E-08	1.6E-08	7.2E-10	1.7E-08	9.6E-10	0.0E+00	0.0E+00	1.9E-08
32	UCART1	571470.6	4177838.99	571470.55, 4177838.99	0.11732	0.1424	6.38E-05	2.90E-07	6.41E-05	2.2E-08	6.7E-08	3.9E-08	3.5E-08	1.6E-08	7.4E-10	1.8E-08	9.9E-10	0.0E+00	0.0E+00	2.0E-08
33	UCART1	571510.6	4177838.99	571510.55, 4177838.99	0.12095	0.1372	6.58E-05	2.79E-07	6.61E-05	2.3E-08	6.9E-08	4.0E-08	3.6E-08	1.7E-08	7.6E-10	1.8E-08	1.0E-09	0.0E+00	0.0E+00	2.0E-08
34	UCART1	571550.6	4177838.99	571550.55, 4177838.99	0.12443	0.1329	6.77E-05	2.71E-07	6.80E-05	2.4E-08	7.1E-08	4.1E-08	3.7E-08	1.7E-08	7.9E-10	1.9E-08	1.0E-09	0.0E+00	0.0E+00	2.1E-08
35	UCART1	571590.6	4177838.99	571590.55, 4177838.99	0.12764	0.1295	6.94E-05	2.64E-07	6.97E-05	2.4E-08	7.3E-08	4.2E-08	3.8E-08	1.7E-08	8.1E-10	1.9E-08	1.1E-09	0.0E+00	0.0E+00	2.1E-08
36	UCART1	571630.6	4177838.99	571630.55, 4177838.99	0.13053	0.1277	7.10E-05	2.60E-07	7.13E-05	2.5E-08	7.4E-08	4.3E-08	3.9E-08	1.8E-08	8.2E-10	2.0E-08	1.1E-09	0.0E+00	0.0E+00	2.2E-08
37	UCART1	571670.6	4177838.99	571670.55, 4177838.99	0.13226	0.1265	7.20E-05	2.58E-07	7.22E-05	2.5E-08	7.5E-08	4.4E-08	4.0E-08	1.8E-08	8.3E-10	2.0E-08	1.1E-09	0.0E+00	0.0E+00	2.2E-08
38	UCART1	571710.6	4177838.99	571710.55, 4177838.99	0.1328	0.1256	7.23E-05	2.56E-07	7.25E-05	2.5E-08	7.6E-08	4.4E-08	4.0E-08	1.8E-08	8.4E-10	2.0E-08	1.1E-09	0.0E+00	0.0E+00	2.2E-08
39	UCART1	571750.6	4177838.99	571750.55, 4177838.99	0.13225	0.1247	7.20E-05	2.54E-07	7.22E-05	2.5E-08	7.5E-08	4.4E-08	4.0E-08	1.8E-08	8.3E-10	2.0E-08	1.1E-09	0.0E+00	0.0E+00	2.2E-08
40	UCART1	571790.6	4177838.99	571790.55, 4177838.99	0.13071	0.1235	7.11E-05	2.51E-07	7.14E-05	2.5E-08	7.5E-08	4.3E-08	3.9E-08	1.8E-08	8.2E-10	2.0E-08	1.1E-09	0.0E+00	0.0E+00	2.2E-08
41	UCART1	571830.6	4177838.99	571830.55, 4177838.99	0.12826	0.1216	6.98E-05	2.48E-07	7.00E-05	2.4E-08	7.3E-08	4.2E-08	3.8E-08	1.8E-08	8.1E-10	2.0E-08	1.1E-09	0.0E+00	0.0E+00	2.1E-08
42	UCART1	571870.6	4177838.99	571870.55, 4177838.99	0.12492	0.1189	6.80E-05	2.42E-07	6.82E-05	2.4E-08	7.1E-08	4.1E-08	3.7E-08	1.7E-08	7.9E-10	1.9E-08	1.1E-09	0.0E+00	0.0E+00	2.1E-08
43	UCART1	570230.6	4177878.99	570230.55, 4177878.99	0.05276	0.0575	2.87E-05	1.17E-07	2.88E-05	1.0E-08	3.0E-08	1.7E-08	1.6E-08	7.2E-09	3.3E-10	8.0E-09	4.4E-10	0.0E+00	0.0E+00	8.8E-09
44	UCART1	570270.6	4177878.99	570270.55, 4177878.99	0.0566	0.0621	3.08E-05	1.26E-07	3.09E-05	1.1E-08	3.2E-08	1.9E-08	1.7E-08	7.7E-09	3.6E-10	8.6E-09	4.8E-10	0.0E+00	0.0E+00	9.5E-09
45	UCART1	570310.6	4177878.99	570310.55, 4177878.99	0.06071	0.0672	3.30E-05	1.37E-07	3.32E-05	1.1E-08	3.5E-08	2.0E-08	1.8E-08	8.3E-09	3.8E-10	9.3E-09	5.1E-10	0.0E+00	0.0E+00	1.0E-08
46	UCART1	570350.6	4177878.99	570350.55, 4177878.99	0.06512	0.073	3.54E-05	1.49E-07	3.56E-05	1.2E-08	3.7E-08	2.2E-08	2.0E-08	8.9E-09	4.1E-10	9.9E-09	5.5E-10	0.0E+00	0.0E+00	1.1E-08
47	UCART1	570390.6	4177878.99	570390.55, 4177878.99	0.06978	0.0794	3.80E-05	1.62E-07	3.81E-05	1.3E-08	4.0E-08	2.3E-08	2.1E-08	9.5E-09	4.4E-10	1.1E-08	5.9E-10	0.0E+00	0.0E+00	1.2E-08
48	UCART1	570430.6	4177878.99	570430.55, 4177878.99	0.07469	0.0868	4.06E-05	1.77E-07	4.08E-05	1.4E-08	4.3E-08	2.5E-08	2.2E-08	1.0E-08	4.7E-10	1.1E-08	6.3E-10	0.0E+00	0.0E+00	1.2E-08
49	UCART1	570470.6	4177878.99	570470.55, 4177878.99	0.07973	0.0953	4.34E-05	1.94E-07	4.36E-05	1.5E-08	4.6E-08	2.6E-08	2.4E-08	1.1E-08	5.0E-10	1.2E-08	6.7E-10	0.0E+00	0.0E+00	1.3E-08
50	UCART1	570510.6	4177878.99	570510.55, 4177878.99	0.08491	0.1052	4.62E-05	2.14E-07	4.64E-05	1.6E-08	4.9E-08	2.8E-08	2.5E-08	1.2E-08	5.4E-10	1.3E-08	7.1E-10	0.0E+00	0.0E+00	1.4E-08
51	UCART1	570550.6	4177878.99	570550.55, 4177878.99	0.09009	0.117	4.90E-05	2.38E-07	4.93E-05	1.7E-08	5.1E-08	3.0E-08	2.7E-08	1.2E-08	5.7E-10	1.4E-08	7.6E-10	0.0E+00	0.0E+00	1.5E-08
52	UCART1	570590.6	4177878.99	570590.55, 4177878.99	0.09521	0.1314	5.18E-05	2.68E-07	5.21E-05	1.8E-08	5.4E-08	3.2E-08	2.9E-08	1.3E-08	6.0E-10	1.5E-08	8.0E-10	0.0E+00	0.0E+00	1.6E-08
53	UCART1	570630.6	4177878.99	570630.55, 4177878.99	0.10004	0.149	5.44E-05	3.03E-07	5.47E-05	1.9E-08	5.7E-08	3.3E-08	3.0E-08	1.4E-08	6.3E-10	1.5E-08	8.4E-10	0.0E+00	0.0E+00	1.7E-08
54	UCART1	570670.6	4177878.99	570670.55, 4177878.99	0.10449	0.1709	5.68E-05	3.48E-07	5.72E-05	2.0E-08	6.0E-08	3.5E-08	3.1E-08	1.4E-08	6.6E-10	1.6E-08	8.8E-10	0.0E+00	0.0E+00	1.8E-08
55	UCART1	570710.6	4177878.99	570710.55, 4177878.99	0.10845	0.1977	5.90E-05	4.03E-07	5.94E-05	2.1E-08	6.2E-08	3.6E-08	3.3E-08	1.5E-08	6.9E-10	1.7E-08	9.2E-10	0.0E+00	0.0E+00	1.8E-08
56	UCART1	570750.6	4177878.99	570750.55, 4177878.99	0.11179	0.2256	6.08E-05	4.59E-07	6.13E-05	2.1E-08	6.4E-08	3.7E-08	3.4E-08	1.5E-08	7.1E-10	1.7E-08	9.4E-10	0.0E+00	0.0E+00	1.9E-08
57	UCART1	570790.6	4177878.99	570790.55, 4177878.99	0.11447	0.2442	6.23E-05	4.97E-07	6.28E-05	2.2E-08	6.6E-08	3.8E-08	3.4E-08	1.6E-08	7.3E-10	1.8E-08	9.7E-10	0.0E+00	0.0E+00	1.9E-08
58	UCART1	570830.6	4177878.99	570830.55, 4177878.99	0.11653	0.2576	6.34E-05	5.25E-07	6.39E-05	2.2E-08	6.7E-08	3.9E-08	3.5E-08	1.6E-08	7.4E-10	1.8E-08	9.8E-10	0.0E+00	0.0E+00	2.0E-08
59	UCART1	570870.6	4177878.99	570870.55, 4177878.99	0.1181	0.2739	6.43E-05	5.58E-07	6.48E-05	2.2E-08	6.8E-08	3.9E-08	3.6E-08	1.6E-08	7.5E-10	1.8E-08	1.0E-09	0.0E+00	0.0E+00	2.0E-08
60	UCART1	570910.6	4177878.99	570910.55, 4177878.99	0.11937	0.3036	6.49E-05	6.18E-07	6.56E-05	2.3E-08	6.9E-08	4.0E-08	3.6E-08	1.6E-08	7.6E-10	1.8E-08	1.0E-09	0.0E+00	0.0E+00	2.0E-08
61	UCART1	570950.6	4177878.99	570950.55, 4177878.99	0.12055	0.3222	6.56E-05	6.56E-07	6.62E-05	2.3E-08	6.9E-08	4.0E-08	3.6E-08	1.7E-08	7.7E-10	1.8E-08	1.0E-09	0.0E+00	0.0E+00	2.0E-08
62	UCART1	570990.6	4177878.99	570990.55, 4177878.99	0.12187	0.3191	6.63E-05	6.50E-07	6.70E-05	2.3E-08	7.0E-08	4.1E-08	3.7E-08	1.7E-08	7.7E-10	1.9E-08	1.0E-09	0.0E+00	0.0E+00	2.1E-08
63	UCART1	571030.6	4177878.99	571030.55, 4177878.99	0.12337	0.3043	6.71E-05	6.20E-07	6.77E-05	2.3E-08	7.1E-08	4.1E-08	3.7E-08	1.7E-08	7.8E-10	1.9E-08	1.0E-09	0.0E+00	0.0E+00	2.1E-08
64	UCART1	571070.6	4177878.99	571070.55, 4177878.99	0.12495	0.2858	6.80E-05	5.82E-07	6.86E-05	2.4E-08	7.2E-08	4.1E-08	3.8E-08	1.7E-08	7.9E-10	1.9E-08	1.1E-09	0.0E+00	0.0E+00	2.1E-08
65	UCART1	571110.6	4177878.99	571110.55, 4177878.99	0.12631	0.2672	6.87E-05	5.44E-07	6.93E-05	2.4E-08	7.2E-08	4.2E-08	3.8E-08	1.7E-08	8.0E-10	1.9E-08	1.1E-09	0.0E+00	0.0E+00	2.1E-08
66	UCART1	571150.6	4177878.99	571150.55, 4177878.99	0.12726	0.2498	6.92E-05	5.09E-07	6.97E-05	2.4E-08	7.3E-08	4.2E-08	3.8E-08	1.7E-08	8.1E-10	1.9E-08	1.1E-09	0.0E+00	0.0E+00	2.1E-08
67	UCART1	571190.6	4177878.99	571190.55, 4177878.99	0.12783	0.2339	6.95E-05	4.76E-07	7.00E-05	2.4E-08	7.3E-08	4.2E-08	3.8E-08	1.8E-08	8.1E-10	2.0E-08	1.1E-09	0.0E+00	0.0E+00	2.1E-08
68	UCART1	571230.6	4177878.99	571230.55, 4177878.99	0.12822	0.2196	6.98E-05	4.47E-07	7.02E-05	2.4E-08	7.3E-08	4.2E-08	3.9E-08	1.8E-08	8.1E-10	2.0E-08	1.1E-09	0.0E+00	0.0E+00	2.1E-08
69	UCART1	571270.6	4177878.99	571270.55, 4177878.99	0.12886	0.207	7.01E-05	4.21E-07	7.05E-05	2.4E-08	7.4E-08	4.3E-08	3.9E-08	1.8E-08	8.2E-10	2.0E-08	1.1E-09	0.0E+00	0.0E+00	2.2E-08
70	UCART1	571310.6	4177878.99	571310.55, 4177878.99	0.12998	0.1959	7.07E-05	3.99E-07	7.11E-05	2.5E-08	7.4E-08	4.3E-08	3.9E-08	1.8E-08	8.2E-10	2.0E-08	1.1E-09	0.0E+00	0.0E+00	2.2E-08
71	UCART1	571350.6	4177878.99	571350.55, 4177878.99	0.13206	0.1862	7.18E-05	3.79E-07	7.22E-05	2.5E-08	7.5E-08	4.4E-08	4.0E-08	1.8E-08	8.3E-10	2.0E-08	1.1E-09	0.0E+00	0.0E+00	2.2E-08
72	UCART1	571390.6	4177878.99	571390.55, 4177878.99	0.13415	0.1769	7.30E-05	3.60E-07	7.33E-05	2.5E-08	7.7E-08	4.4E-08	4.0E-08	1.8E-08	8.5E-10	2.0E-08	1.1E-09	0.0E+00	0.0E+00	2.2E-08
73	UCART1	571430.6	4177878.99	571430.55, 4177878.99	0.13689	0.1676	7.45E-05	3.41E-07	7.48E-05	2.6E-08	7.8E-08	4.5E-08	4.1E-08	1.9E-08	8.6E-10	2.1E-08	1.2E-09	0.0E+00	0.0E+00	2.3E-08
74	UCART1	571470.6	4177878.99	571470.55, 4177878.99	0.14458	0.1629	7.87E-05	3.32E-07	7.90E-05	2.7E-08	8.3E-08	4.8E-08	4.3E-08	2.0E-08	9.1E-10	2.2E-08	1.2E-09	0.0E+00	0.0E+00	2.4E-08
75	UCART1	571510.6	4177878.99	571510.55, 4177878.99	0.14941	0.1573	8.13E-05	3.20E-07	8.16E-05	2.8E-08	8.5E-08	4.9E-08	4.5E-08	2.0E-08	9.4E-10	2.3E-08	1.3E-09	0.0E+00	0.0E+00	2.5E-08
76	UCART1	571550.6	4177878.99	571550.55, 4177878.99	0.15325	0.1533	8.34E-05	3.12E-07	8.37E-05	2.9E-08	8.7E-08	5.1E-08	4.6E-08	2.1E-08	9.7E-10	2.3E-08	1.3E-09	0.0E+00	0.0E+00	2.6E-08
77	UCART1	571590.6	4177878.99	571590.55, 4177878.99	0.15582	0.1509	8.48E-05	3.07E-07	8.51E-05	2.9E-08	8.9E-08	5.1E-08	4.7E-08	2.1E-08	9.8E-10	2.4E-08	1.3E-09	0.0E+00	0.0E+00	2.6E-08
78	UCART1	571630.6	4177878.99	571630.55, 4177878.99	0.15724	0.1498	8.55E-05	3.05E-07	8.59E-05	3.0E-08	9.0E-08	5.2E-08	4.7E-08	2.1E-08	9.9E-10	2.4E-08	1.3E-09	0.0E+00	0.0E+00	2.6E-08
79	UCART1	571670.6	4177878.99	571670.55, 4177878.99	0.15699	0.149	8.54E-05	3.03E-07	8.57E-05	3.0E-08	9.0E-08	5.2E-08	4.7E-08	2.1E-08	9.9E-10	2.4E-08	1.3E-09	0.0E+00	0.0E+00	2.6E-08
80	UCART1	571710.6	4177878.99	571710.55, 4177878.99	0.15527	0.1478	8.45E-05	3.01E-07	8.48E-05	2.9E-08	8.9E-08	5.1E-08	4.7E-08	2.1E-08	9.8E-10	2.4E-08	1.3E-09	0.0E+00	0.0E+00	2.6E-08
81	UCART1	571750.6	4177878.99	571750.55, 4177878.99	0.15224	0.1458	8.28E-05	2.97E-07	8.31E-05	2.9E-08	8.7E-08	5.0E-08	4.6E-08	2.1E-08	9.6E-10	2.3E-08	1.3E-09	0.0E+00	0.0E+00	2.5E-08
82	UCART1	571790.6	4177878.99	571790.55, 4177878.99	0.1482	0.1428	8.06E-05	2.91E-07	8.09E-05	2.8E-08	8.5E-08	4.9E-08	4.4E-08	2.0E-08	9.4E-10	2.3E-08	1.2E-09	0.0E+00	0.0E+00	2.5E-08
83	UCART1	571830.6	4177878.99	571830.55, 4177878.99	0.14314	0.1385	7.79E-05	2.82E-07	7.82E-05	2.7E-08	8.2E-08	4.7E-08	4.3E-08	2.0E-08	9.0E-10	2.2E-08	1.2E-09	0.0E+00	0.0E+00	2.4E-08
84	UCART1	571870.6	4177878.99	571870.55, 4177878.99	0.13743	0.1335	7.48E-05	2.72E-07	7.50E-05	2.6E-08	7.8E-08	4.5E-08	4.1E-08	1.9E-08	8.7E-10	2.1E-08	1.2E-09	0.0E+00	0.0E+00	2.3E-08
85	UCART1	570230.6	4177918.99	570230.55, 4177918.99	0.05454	0.0599	2.97E-05	1.22E-07	2.98E-05	1.0E-08	3.1E-08	1.8E-08	1.6E-08	7.5E-09	3.4E-10	8.3E-09	4.6E-10	0.0E+00	0.0E+00	9.1E-09
86	UCART1	570270.6	4177918.99	570270.55, 4177918.99	0.05875	0.0649	3.20E-05	1.32E-07	3.21E-05	1.1E-08	3.4E-08	1.9E-08	1.8E-08	8.0E-09	3.7E-10	9.0E-09	4.9E-10	0.0E+00	0.0E+00	9.8E-09
87	UCART1	570310.6	4177918.99	570310.55, 4177918.99	0.06341	0.0706	3.45E-05	1.44E-07	3.46E-05	1.2E-08	3.6E-08	2.1E-08	1.9E-08	8.7E-09	4.0E-10	9.7E-09	5.3E-10	0.0E+00	0.0E+00	1.1E-08
88	UCART1	570350.6	4177918.99	570350.55, 4177918.99	0.06845	0.0771	3.72E-05	1.57E-07	3.74E-05	1.3E-08	3.9E-08	2.3E-08	2.1E-08	9.4E-09	4.3E-10	1.0E-08	5.8E-10	0.0E+00	0.0E+00	1.1E-08
89	UCART1	570390.6	4177918.99	570390.55, 4177918.99	0.07387	0.0845	4.02E-05	1.72E-07	4.04E-05	1.4E-08	4.2E-08	2.4E-08	2.2E-08	1.0E-08	4.7E-10	1.1E-08	6.2E-10	0.0E+00	0.0E+00	1.2E-08
90	UCART1	570430.6	4177918.99	570430.55, 4177918.99	0.07965	0.0931	4.33E-05	1.90E-07	4.35E-05	1.5E-08	4.5E-08	2.6E-08	2.4E-08	1.1E-08	5.0E-10	1.2E-08	6.7E-10	0.0E+00	0.0E+00	1.3E-08
91	UCART1	570470.6	4177918.99	570470.55, 4177918.99	0.08576	0.1031	4.67E-05	2.10E-07	4.69E-05	1.6E-08	4.9E-08	2.8E-08	2.6E-08	1.2E-08	5.4E-10	1.3E-08	7.2E-10	0.0E+00	0.0E+00	1.4E-08
92	UCART1	570510.6	4177918.99	570510.55, 4177918.99	0.09218	0.1151	5.02E-05	2.34E-07	5.04E-05	1.7E-08	5.3E-08	3.0E-08	2.8E-08	1.3E-08	5.8E-10	1.4E-08	7.8E-10	0.0E+00	0.0E+00	1.5E-08
93	UCART1	570550.6	4177918.99	570550.55, 4177918.99	0.09877	0.1298	5.37E-05	2.64E-07	5.40E-05	1.9E-08	5.6E-08	3.3E-08	3.0E-08	1.4E-08	6.2E-10	1.5E-08	8.3E-10	0.0E+00	0.0E+00	1.7E-08
94	UCART1	570590.6	4177918.99	570590.55, 4177918.99	0.10539	0.1483	5.73E-05	3.02E-07	5.76E-05	2.0E-08	6.0E-08	3.5E-08	3.2E-08	1.4E-08	6.7E-10	1.6E-08	8.9E-10	0.0E+00	0.0E+00	1.8E-08
95	UCART1	570630.6	4177918.99	570630.55, 4177918.99	0.11189	0.1725	6.09E-05	3.51E-07	6.12E-05	2.1E-08	6.4E-08	3.7E-08	3.4E-08	1.5E-08	7.1E-10	1.7E-08	9.4E-10	0.0E+00	0.0E+00	1.9E-08
96	UCART1	570670.6	4177918.99	570670.55, 4177918.99	0.11813	0.2059	6.43E-05	4.19E-07	6.47E-05	2.2E-08	6.8E-08	3.9E-08	3.5E-08	1.6E-08	7.5E-10	1.8E-08	1.0E-09	0.0E+00	0.0E+00	2.0E-08
97	UCART1	570710.6	4177918.99	570710.55, 4177918.99	0.12394	0.2552	6.74E-05	5.20E-07	6.80E-05	2.4E-08	7.1E-08	4.1E-08	3.7E-08	1.7E-08	7.9E-10	1.9E-08	1.0E-09	0.0E+00	0.0E+00	2.1E-08
98	UCART1	570750.6	4177918.99	570750.55, 4177918.99	0.12913	0.331	7.03E-05	6.74E-07	7.09E-05	2.5E-08	7.4E-08	4.3E-08	3.9E-08	1.8E-08	8.2E-10	2.0E-08	1.1E-09	0.0E+00	0.0E+00	2.2E-08
99	UCART1	570790.6	4177918.99	570790.55, 4177918.99	0.13358	0.4264	7.27E-05	8.68E-07	7.35E-05	2.5E-08	7.7E-08	4.4E-08	4.0E-08	1.8E-08	8.5E-10	2.1E-08	1.1E-09	0.0E+00	0.0E+00	2.3E-08
100	UCART1	570830.6	4177918.99	570830.55, 4177918.99	0.13723	0.479	7.47E-05	9.75E-07	7.56E-05	2.6E-08	7.9E-08	4.6E-08	4.1E-08	1.9E-08	8.7E-10	2.1E-08	1.2E-09	0.0E+00	0.0E+00	2.3E-08
101	UCART1	570870.6	4177918.99	570870.55, 4177918.99	0.14007	0.5824	7.62E-05	1.19E-06	7.74E-05	2.7E-08	8.1E-08	4.7E-08	4.2E-08	1.9E-08	8.9E-10	2.2E-08	1.2E-09	0.0E+00	0.0E+00	2.4E-08
102	UCART1	570910.6	4177918.99	570910.55, 4177918.99	0.14219	0.6021	7.74E-05	1.23E-06	7.86E-05	2.7E-08	8.2E-08	4.8E-08	4.3E-08	2.0E-08	9.1E-10	2.2E-08	1.2E-09	0.0E+00	0.0E+00	2.4E-08
103	UCART1	570950.6	4177918.99	570950.55, 4177918.99	0.14376	0.5378	7.82E-05	1.10E-06	7.93E-05	2.7E-08	8.3E-08	4.8E-08	4.4E-08	2.0E-08	9.2E-10	2.2E-08	1.2E-09	0.0E+00	0.0E+00	2.4E-08
104	UCART1	570990.6	4177918.99	570990.55, 4177918.99	0.14555	0.4698	7.92E-05	9.57E-07	8.01E-05	2.8E-08	8.4E-08	4.8E-08	4.4E-08	2.0E-08	9.3E-10	2.2E-08	1.2E-09	0.0E+00	0.0E+00	2.5E-08
105	UCART1	571030.6	4177918.99	571030.55, 4177918.99	0.14756	0.4135	8.03E-05	8.42E-07	8.11E-05	2.8E-08	8.5E-08	4.9E-08	4.4E-08	2.0E-08	9.4E-10	2.3E-08	1.2E-09	0.0E+00	0.0E+00	2.5E-08

CONSTRUCTION RISK (UNMITIGATED)

106	UCART1	571070.6	4177918.99	571070.55, 4177918.99	0.14955	0.3687	8.14E-05	7.51E-07	8.21E-05	2.8E-08	8.6E-08	5.0E-08	4.5E-08	2.1E-08	9.5E-10	2.3E-08	1.3E-09	0.0E+00	0.0E+00	2.5E-08
107	UCART1	571110.6	4177918.99	571110.55, 4177918.99	0.15132	0.3331	8.23E-05	6.78E-07	8.30E-05	2.9E-08	8.7E-08	5.0E-08	4.6E-08	2.1E-08	9.6E-10	2.3E-08	1.3E-09	0.0E+00	0.0E+00	2.5E-08
108	UCART1	571150.6	4177918.99	571150.55, 4177918.99	0.15263	0.3045	8.30E-05	6.20E-07	8.37E-05	2.9E-08	8.7E-08	5.1E-08	4.6E-08	2.1E-08	9.7E-10	2.3E-08	1.3E-09	0.0E+00	0.0E+00	2.6E-08
109	UCART1	571190.6	4177918.99	571190.55, 4177918.99	0.15358	0.2808	8.36E-05	5.72E-07	8.41E-05	2.9E-08	8.8E-08	5.1E-08	4.6E-08	2.1E-08	9.7E-10	2.3E-08	1.3E-09	0.0E+00	0.0E+00	2.6E-08
110	UCART1	571230.6	4177918.99	571230.55, 4177918.99	0.15462	0.2607	8.41E-05	5.31E-07	8.47E-05	2.9E-08	8.8E-08	5.1E-08	4.6E-08	2.1E-08	9.8E-10	2.4E-08	1.3E-09	0.0E+00	0.0E+00	2.6E-08
111	UCART1	571270.6	4177918.99	571270.55, 4177918.99	0.15653	0.2436	8.52E-05	4.96E-07	8.57E-05	3.0E-08	9.0E-08	5.2E-08	4.7E-08	2.1E-08	9.9E-10	2.4E-08	1.3E-09	0.0E+00	0.0E+00	2.6E-08
112	UCART1	571310.6	4177918.99	571310.55, 4177918.99	0.15929	0.2291	8.67E-05	4.66E-07	8.71E-05	3.0E-08	9.1E-08	5.3E-08	4.8E-08	2.2E-08	1.0E-09	2.4E-08	1.3E-09	0.0E+00	0.0E+00	2.7E-08
113	UCART1	571350.6	4177918.99	571350.55, 4177918.99	0.16377	0.2168	8.91E-05	4.41E-07	8.95E-05	3.1E-08	9.4E-08	5.4E-08	4.9E-08	2.2E-08	1.0E-09	2.5E-08	1.4E-09	0.0E+00	0.0E+00	2.7E-08
114	UCART1	571390.6	4177918.99	571390.55, 4177918.99	0.16589	0.2032	9.03E-05	4.14E-07	9.07E-05	3.1E-08	9.5E-08	5.5E-08	5.0E-08	2.3E-08	1.0E-09	2.5E-08	1.4E-09	0.0E+00	0.0E+00	2.8E-08
115	UCART1	571430.6	4177918.99	571430.55, 4177918.99	0.17207	0.1937	9.36E-05	3.94E-07	9.40E-05	3.3E-08	9.8E-08	5.7E-08	5.2E-08	2.4E-08	1.1E-09	2.6E-08	1.4E-09	0.0E+00	0.0E+00	2.9E-08
116	UCART1	571470.6	4177918.99	571470.55, 4177918.99	0.18124	0.1892	9.86E-05	3.85E-07	9.90E-05	3.4E-08	1.0E-07	6.0E-08	5.4E-08	2.5E-08	1.1E-09	2.8E-08	1.5E-09	0.0E+00	0.0E+00	3.0E-08
117	UCART1	571510.6	4177918.99	571510.55, 4177918.99	0.18644	0.1844	1.01E-04	3.75E-07	1.02E-04	3.5E-08	1.1E-07	6.2E-08	5.6E-08	2.5E-08	1.2E-09	2.8E-08	1.6E-09	0.0E+00	0.0E+00	3.1E-08
118	UCART1	571550.6	4177918.99	571550.55, 4177918.99	0.18896	0.1819	1.03E-04	3.70E-07	1.03E-04	3.6E-08	1.1E-07	6.2E-08	5.7E-08	2.6E-08	1.2E-09	2.9E-08	1.6E-09	0.0E+00	0.0E+00	3.2E-08
119	UCART1	571590.6	4177918.99	571590.55, 4177918.99	0.18949	0.1814	1.03E-04	3.69E-07	1.03E-04	3.6E-08	1.1E-07	6.3E-08	5.7E-08	2.6E-08	1.2E-09	2.9E-08	1.6E-09	0.0E+00	0.0E+00	3.2E-08
120	UCART1	571630.6	4177918.99	571630.55, 4177918.99	0.18786	0.1808	1.02E-04	3.68E-07	1.03E-04	3.6E-08	1.1E-07	6.2E-08	5.6E-08	2.6E-08	1.2E-09	2.9E-08	1.6E-09	0.0E+00	0.0E+00	3.1E-08
121	UCART1	571670.6	4177918.99	571670.55, 4177918.99	0.18442	0.1793	1.00E-04	3.65E-07	1.01E-04	3.5E-08	1.1E-07	6.1E-08	5.5E-08	2.5E-08	1.2E-09	2.8E-08	1.6E-09	0.0E+00	0.0E+00	3.1E-08
122	UCART1	571710.6	4177918.99	571710.55, 4177918.99	0.17893	0.1755	9.73E-05	3.57E-07	9.77E-05	3.4E-08	1.0E-07	5.9E-08	5.4E-08	2.4E-08	1.1E-09	2.7E-08	1.5E-09	0.0E+00	0.0E+00	3.0E-08
123	UCART1	571750.6	4177918.99	571750.55, 4177918.99	0.17247	0.1702	9.38E-05	3.47E-07	9.42E-05	3.3E-08	9.8E-08	5.7E-08	5.2E-08	2.4E-08	1.1E-09	2.6E-08	1.5E-09	0.0E+00	0.0E+00	2.9E-08
124	UCART1	571790.6	4177918.99	571790.55, 4177918.99	0.1652	0.1637	8.99E-05	3.33E-07	9.02E-05	3.1E-08	9.4E-08	5.5E-08	4.9E-08	2.3E-08	1.0E-09	2.5E-08	1.4E-09	0.0E+00	0.0E+00	2.8E-08
125	UCART1	571830.6	4177918.99	571830.55, 4177918.99	0.15713	0.156	8.55E-05	3.18E-07	8.58E-05	3.0E-08	9.0E-08	5.2E-08	4.7E-08	2.1E-08	9.9E-10	2.4E-08	1.3E-09	0.0E+00	0.0E+00	2.6E-08
126	UCART1	571870.6	4177918.99	571870.55, 4177918.99	0.14879	0.1479	8.10E-05	3.01E-07	8.13E-05	2.8E-08	8.5E-08	4.9E-08	4.5E-08	2.0E-08	9.4E-10	2.3E-08	1.3E-09	0.0E+00	0.0E+00	2.5E-08
127	UCART1	570230.6	4177958.99	570230.55, 4177958.99	0.05619	0.0622	3.06E-05	1.27E-07	3.07E-05	1.1E-08	3.2E-08	1.9E-08	1.7E-08	7.7E-09	3.5E-10	8.6E-09	4.7E-10	0.0E+00	0.0E+00	9.4E-09
128	UCART1	570270.6	4177958.99	570270.55, 4177958.99	0.06083	0.0678	3.31E-05	1.38E-07	3.32E-05	1.2E-08	3.5E-08	2.0E-08	1.8E-08	8.3E-09	3.8E-10	9.3E-09	5.1E-10	0.0E+00	0.0E+00	1.0E-08
129	UCART1	570310.6	4177958.99	570310.55, 4177958.99	0.06593	0.074	3.59E-05	1.51E-07	3.60E-05	1.2E-08	3.8E-08	2.2E-08	2.0E-08	9.0E-09	4.2E-10	1.0E-08	5.5E-10	0.0E+00	0.0E+00	1.1E-08
130	UCART1	570350.6	4177958.99	570350.55, 4177958.99	0.07164	0.0813	3.90E-05	1.66E-07	3.91E-05	1.4E-08	4.1E-08	2.4E-08	2.1E-08	9.8E-09	4.5E-10	1.1E-08	6.0E-10	0.0E+00	0.0E+00	1.2E-08
131	UCART1	570390.6	4177958.99	570390.55, 4177958.99	0.07788	0.0898	4.24E-05	1.83E-07	4.26E-05	1.5E-08	4.4E-08	2.6E-08	2.3E-08	1.1E-08	4.9E-10	1.2E-08	6.6E-10	0.0E+00	0.0E+00	1.3E-08
132	UCART1	570430.6	4177958.99	570430.55, 4177958.99	0.08457	0.0994	4.60E-05	2.02E-07	4.62E-05	1.6E-08	4.8E-08	2.8E-08	2.5E-08	1.2E-08	5.3E-10	1.3E-08	7.1E-10	0.0E+00	0.0E+00	1.4E-08
133	UCART1	570470.6	4177958.99	570470.55, 4177958.99	0.09194	0.1113	5.00E-05	2.27E-07	5.02E-05	1.7E-08	5.3E-08	3.0E-08	2.8E-08	1.3E-08	5.8E-10	1.4E-08	7.7E-10	0.0E+00	0.0E+00	1.5E-08
134	UCART1	570510.6	4177958.99	570510.55, 4177958.99	0.0998	0.1256	5.43E-05	2.56E-07	5.46E-05	1.9E-08	5.7E-08	3.3E-08	3.0E-08	1.4E-08	6.3E-10	1.5E-08	8.4E-10	0.0E+00	0.0E+00	1.7E-08
135	UCART1	570550.6	4177958.99	570550.55, 4177958.99	0.10796	0.1434	5.87E-05	2.92E-07	5.90E-05	2.0E-08	6.2E-08	3.6E-08	3.2E-08	1.5E-08	6.8E-10	1.6E-08	9.1E-10	0.0E+00	0.0E+00	1.8E-08
136	UCART1	570590.6	4177958.99	570590.55, 4177958.99	0.11644	0.1665	6.34E-05	3.39E-07	6.37E-05	2.2E-08	6.7E-08	3.9E-08	3.5E-08	1.6E-08	7.4E-10	1.8E-08	9.8E-10	0.0E+00	0.0E+00	2.0E-08
137	UCART1	570630.6	4177958.99	570630.55, 4177958.99	0.1251	0.1982	6.81E-05	4.04E-07	6.85E-05	2.4E-08	7.2E-08	4.1E-08	3.8E-08	1.7E-08	7.9E-10	1.9E-08	1.1E-09	0.0E+00	0.0E+00	2.1E-08
138	UCART1	570670.6	4177958.99	570670.55, 4177958.99	0.13368	0.2449	7.27E-05	4.99E-07	7.32E-05	2.5E-08	7.7E-08	4.4E-08	4.0E-08	1.8E-08	8.5E-10	2.0E-08	1.1E-09	0.0E+00	0.0E+00	2.2E-08
139	UCART1	570710.6	4177958.99	570710.55, 4177958.99	0.14203	0.3223	7.73E-05	6.56E-07	7.79E-05	2.7E-08	8.1E-08	4.7E-08	4.3E-08	2.0E-08	9.0E-10	2.2E-08	1.2E-09	0.0E+00	0.0E+00	2.4E-08
140	UCART1	570750.6	4177958.99	570750.55, 4177958.99	0.1499	0.4753	8.16E-05	9.68E-07	8.25E-05	2.9E-08	8.6E-08	5.0E-08	4.5E-08	2.1E-08	9.5E-10	2.3E-08	1.3E-09	0.0E+00	0.0E+00	2.5E-08
141	UCART1	570790.6	4177958.99	570790.55, 4177958.99	0.15707	0.8757	8.55E-05	1.78E-06	8.72E-05	3.0E-08	9.1E-08	5.3E-08	4.8E-08	2.2E-08	1.0E-09	2.4E-08	1.3E-09	0.0E+00	0.0E+00	2.7E-08
142	UCART1	570830.6	4177958.99	570830.55, 4177958.99	0.16336	1.0139	8.89E-05	2.06E-06	9.09E-05	3.1E-08	9.5E-08	5.5E-08	5.0E-08	2.3E-08	1.1E-09	2.5E-08	1.4E-09	0.0E+00	0.0E+00	2.8E-08
143	UCART1	570870.6	4177958.99	570870.55, 4177958.99	0.16844	1.9095	9.16E-05	3.89E-06	9.55E-05	3.3E-08	1.0E-07	5.8E-08	5.2E-08	2.4E-08	1.1E-09	2.7E-08	1.5E-09	0.0E+00	0.0E+00	2.9E-08
144	UCART1	570910.6	4177958.99	570910.55, 4177958.99	0.17238	1.2145	9.38E-05	2.47E-06	9.63E-05	3.3E-08	1.0E-07	5.8E-08	5.3E-08	2.4E-08	1.1E-09	2.7E-08	1.5E-09	0.0E+00	0.0E+00	2.9E-08
145	UCART1	570950.6	4177958.99	570950.55, 4177958.99	0.17516	0.8661	9.53E-05	1.76E-06	9.71E-05	3.4E-08	1.0E-07	5.9E-08	5.3E-08	2.4E-08	1.1E-09	2.7E-08	1.5E-09	0.0E+00	0.0E+00	3.0E-08
146	UCART1	570990.6	4177958.99	570990.55, 4177958.99	0.17739	0.6705	9.65E-05	1.37E-06	9.79E-05	3.4E-08	1.0E-07	5.9E-08	5.4E-08	2.4E-08	1.1E-09	2.7E-08	1.5E-09	0.0E+00	0.0E+00	3.0E-08
147	UCART1	571030.6	4177958.99	571030.55, 4177958.99	0.18024	0.5498	9.81E-05	1.12E-06	9.92E-05	3.4E-08	1.0E-07	6.0E-08	5.4E-08	2.5E-08	1.1E-09	2.8E-08	1.5E-09	0.0E+00	0.0E+00	3.0E-08
148	UCART1	571070.6	4177958.99	571070.55, 4177958.99	0.18288	0.4684	9.95E-05	9.54E-07	1.00E-04	3.5E-08	1.0E-07	6.1E-08	5.5E-08	2.5E-08	1.2E-09	2.8E-08	1.5E-09	0.0E+00	0.0E+00	3.1E-08
149	UCART1	571110.6	4177958.99	571110.55, 4177958.99	0.18508	0.4111	1.01E-04	8.37E-07	1.02E-04	3.5E-08	1.1E-07	6.1E-08	5.6E-08	2.5E-08	1.2E-09	2.8E-08	1.6E-09	0.0E+00	0.0E+00	3.1E-08
150	UCART1	571150.6	4177958.99	571150.55, 4177958.99	0.18721	0.369	1.02E-04	7.52E-07	1.03E-04	3.6E-08	1.1E-07	6.2E-08	5.6E-08	2.6E-08	1.2E-09	2.9E-08	1.6E-09	0.0E+00	0.0E+00	3.1E-08
151	UCART1	571190.6	4177958.99	571190.55, 4177958.99	0.18917	0.3367	1.03E-04	6.86E-07	1.04E-04	3.6E-08	1.1E-07	6.3E-08	5.7E-08	2.6E-08	1.2E-09	2.9E-08	1.6E-09	0.0E+00	0.0E+00	3.2E-08
152	UCART1	571230.6	4177958.99	571230.55, 4177958.99	0.192	0.3107	1.04E-04	6.33E-07	1.05E-04	3.6E-08	1.1E-07	6.4E-08	5.8E-08	2.6E-08	1.2E-09	2.9E-08	1.6E-09	0.0E+00	0.0E+00	3.2E-08
153	UCART1	571270.6	4177958.99	571270.55, 4177958.99	0.19658	0.2891	1.07E-04	5.89E-07	1.08E-04	3.7E-08	1.1E-07	6.5E-08	5.9E-08	2.7E-08	1.2E-09	3.0E-08	1.7E-09	0.0E+00	0.0E+00	3.3E-08
154	UCART1	571310.6	4177958.99	571310.55, 4177958.99	0.20257	0.2709	1.10E-04	5.52E-07	1.11E-04	3.8E-08	1.2E-07	6.7E-08	6.1E-08	2.8E-08	1.3E-09	3.1E-08	1.7E-09	0.0E+00	0.0E+00	3.4E-08
155	UCART1	571350.6	4177958.99	571350.55, 4177958.99	0.21049	0.256	1.15E-04	5.21E-07	1.15E-04	4.0E-08	1.2E-07	7.0E-08	6.3E-08	2.9E-08	1.3E-09	3.2E-08	1.8E-09	0.0E+00	0.0E+00	3.5E-08
156	UCART1	571390.6	4177958.99	571390.55, 4177958.99	0.21696	0.2422	1.18E-04	4.93E-07	1.19E-04	4.1E-08	1.2E-07	7.2E-08	6.5E-08	3.0E-08	1.4E-09	3.3E-08	1.8E-09	0.0E+00	0.0E+00	3.6E-08
157	UCART1	571430.6	4177958.99	571430.55, 4177958.99	0.22464	0.2324	1.22E-04	4.73E-07	1.23E-04	4.2E-08	1.3E-07	7.4E-08	6.7E-08	3.1E-08	1.4E-09	3.4E-08	1.9E-09	0.0E+00	0.0E+00	3.8E-08
158	UCART1	571470.6	4177958.99	571470.55, 4177958.99	0.23056	0.2266	1.25E-04	4.61E-07	1.26E-04	4.4E-08	1.3E-07	7.6E-08	6.9E-08	3.2E-08	1.5E-09	3.5E-08	1.9E-09	0.0E+00	0.0E+00	3.9E-08
159	UCART1	571510.6	4177958.99	571510.55, 4177958.99	0.23309	0.2248	1.27E-04	4.58E-07	1.27E-04	4.4E-08	1.3E-07	7.7E-08	7.0E-08	3.2E-08	1.5E-09	3.6E-08	2.0E-09	0.0E+00	0.0E+00	3.9E-08
160	UCART1	571550.6	4177958.99	571550.55, 4177958.99	0.23184	0.2256	1.26E-04	4.59E-07	1.27E-04	4.4E-08	1.3E-07	7.7E-08	6.9E-08	3.2E-08	1.5E-09	3.5E-08	1.9E-09	0.0E+00	0.0E+00	3.9E-08
161	UCART1	571590.6	4177958.99	571590.55, 4177958.99	0.22766	0.2256	1.24E-04	4.59E-07	1.24E-04	4.3E-08	1.3E-07	7.5E-08	6.8E-08	3.1E-08	1.4E-09	3.5E-08	1.9E-09	0.0E+00	0.0E+00	3.8E-08
162	UCART1	571630.6	4177958.99	571630.55, 4177958.99	0.22142	0.2233	1.20E-04	4.55E-07	1.21E-04	4.2E-08	1.3E-07	7.3E-08	6.6E-08	3.0E-08	1.4E-09	3.4E-08	1.9E-09	0.0E+00	0.0E+00	3.7E-08
163	UCART1	571670.6	4177958.99	571670.55, 4177958.99	0.21273	0.2167	1.16E-04	4.41E-07	1.16E-04	4.0E-08	1.2E-07	7.0E-08	6.4E-08	2.9E-08	1.3E-09	3.2E-08	1.8E-09	0.0E+00	0.0E+00	3.6E-08
164	UCART1	571710.6	4177958.99	571710.55, 4177958.99	0.20241	0.207	1.10E-04	4.22E-07	1.11E-04	3.8E-08	1.2E-07	6.7E-08	6.1E-08	2.8E-08	1.3E-09	3.1E-08	1.7E-09	0.0E+00	0.0E+00	3.4E-08
165	UCART1	571750.6	4177958.99	571750.55, 4177958.99	0.19177	0.1962	1.04E-04	4.00E-07	1.05E-04	3.6E-08	1.1E-07	6.3E-08	5.7E-08	2.6E-08	1.2E-09	2.9E-08	1.6E-09	0.0E+00	0.0E+00	3.2E-08
166	UCART1	571790.6	4177958.99	571790.55, 4177958.99	0.18074	0.1846	9.83E-05	3.76E-07	9.87E-05	3.4E-08	1.0E-07	6.0E-08	5.4E-08	2.5E-08	1.1E-09	2.8E-08	1.5E-09	0.0E+00	0.0E+00	3.0E-08
167	UCART1	571830.6	4177958.99	571830.55, 4177958.99	0.16963	0.1728	9.23E-05	3.52E-07	9.26E-05	3.2E-08	9.7E-08	5.6E-08	5.1E-08	2.3E-08	1.1E-09	2.6E-08	1.4E-09	0.0E+00	0.0E+00	2.8E-08
168	UCART1	571870.6	4177958.99	571870.55, 4177958.99	0.15874	0.1613	8.64E-05	3.28E-07	8.67E-05	3.0E-08	9.1E-08	5.2E-08	4.8E-08	2.2E-08	1.0E-09	2.4E-08	1.3E-09	0.0E+00	0.0E+00	2.7E-08
169	UCART1	570230.6	4177998.99	570230.55, 4177998.99	0.05764	0.0646	3.14E-05	1.31E-07	3.15E-05	1.1E-08	3.3E-08	1.9E-08	1.7E-08	7.9E-09	3.6E-10	8.8E-09	4.9E-10	0.0E+00	0.0E+00	9.6E-09
170	UCART1	570270.6	4177998.99	570270.55, 4177998.99	0.0627	0.0706	3.41E-05	1.44E-07	3.43E-05	1.2E-08	3.6E-08	2.1E-08	1.9E-08	8.6E-09	4.0E-10	9.6E-09	5.3E-10	0.0E+00	0.0E+00	1.0E-08
171	UCART1	570310.6	4177998.99	570310.55, 4177998.99	0.06836	0.0775	3.72E-05	1.58E-07	3.74E-05	1.3E-08	3.9E-08	2.3E-08	2.0E-08	9.3E-09	4.3E-10	1.0E-08	5.8E-10	0.0E+00	0.0E+00	1.1E-08
172	UCART1	570350.6	4177998.99	570350.55, 4177998.99	0.07465	0.0855	4.06E-05	1.74E-07	4.08E-05	1.4E-08	4.3E-08	2.5E-08	2.2E-08	1.0E-08	4.7E-10	1.1E-08	6.3E-10	0.0E+00	0.0E+00	1.2E-08
173	UCART1	570390.6	4177998.99	570390.55, 4177998.99	0.08166	0.0949	4.44E-05	1.93E-07	4.46E-05	1.5E-08	4.7E-08	2.7E-08	2.4E-08	1.1E-08	5.2E-10	1.2E-08	6.9E-10	0.0E+00	0.0E+00	1.4E-08
174	UCART1	570430.6	4177998.99	570430.55, 4177998.99	0.08949	0.1061	4.87E-05	2.16E-07	4.89E-05	1.7E-08	5.1E-08	3.0E-08	2.7E-08	1.2E-08	5.7E-10	1.4E-08	7.5E-10	0.0E+00	0.0E+00	1.5E-08
175	UCART1	570470.6	4177998.99	570470.55, 4177998.99	0.09822	0.1199	5.34E-05	2.44E-07	5.37E-05	1.9E-08	5.6E-08	3.2E-08	2.9E-08	1.3E-08	6.2E-10	1.5E-08	8.3E-10	0.0E+00	0.0E+00	1.6E-08
176	UCART1	570510.6	4177998.99	570510.55, 4177998.99	0.10752	0.1365	5.85E-05	2.78E-07	5.88E-05	2.0E-08	6.1E-08	3.6E-08	3.2E-08	1.5E-08	6.8E-10	1.6E-08	9.1E-10	0.0E+00	0.0E+00	1.8E-08
177	UCART1	570550.6	4177998.99	570550.55, 4177998.99	0.11742	0.1574	6.39E-05	3.21E-07	6.42E-05	2.2E-08	6.7E-08	3.9E-08	3.5E-08	1.6E-08	7.4E-10	1.8E-08	9.9E-10	0.0E+00	0.0E+00	2.0E-08
178	UCART1	570590.6	4177998.99	570590.55, 4177998.99	0.12836	0.1861	6.98E-05	3.79E-07	7.02E-05	2.4E-08	7.3E-08	4.2E-08	3.9E-08	1.8E-08	8.1E-10	2.0E-08	1.1E-09	0.0E+00	0.0E+00	2.1E-08
179	UCART1	570630.6	4177998.99	570630.55, 4177998.99	0.13969	0.2264	7.60E-05	4.61E-07	7.65E-05	2.6E-08	8.0E-08	4.6E-08	4.2E-08	1.9E-08	8.8E-10	2.1E-08	1.2E-09	0.0E+00	0.0E+00	2.3E-08
180	UCART1	570670.6	4177998.99	570670.55, 4177998.99	0.15128	0.2884	8.23E-05	5.87E-07	8.29E-05	2.9E-08	8.7E-08	5.0E-08	4.5E-08	2.1E-08	9.6E-10	2.3E-08	1.3E-09	0.0E+00	0.0E+00	2.5E-08
181	UCART1	570710.6	4177998.99	570710.55, 4177998.99	0.163	0.3985	8.87E-05	8.11E-07	8.95E-05	3.1E-08	9.4E-08	5.4E-08	4.9E-08	2.2E-08	1.0E-09	2.5E-08	1.4E-09	0.0E+00	0.0E+00	2.7E-08
182	UCART1	570750.6	4177998.99	570750.55, 4177998.99	0.17464	0.6434	9.50E-05	1.31E-06	9.63E-05	3.3E-08	1.0E-07	5.8E-08	5.3E-08	2.4E-08	1.1E-09	2.7E-08	1.5E-09	0.0E+00	0.0E+00	2.9E-08
183	UCART1	570790.6	4177998.99	570790.55, 4177998.99	0.18589	1.4598	1.01E-04	2.97E-06	1.04E-04	3.6E-08	1.1E-07	6.3E-08	5.7E-08	2.6E-08	1.2E-09	2.9E-08	1.6E-09	0.0E+00	0.0E+00	3.2E-08
184	UCART1	570830.6	4177998.99	570830.55, 4177998.99	0.19647	2.4869	1.07E-04	5.06E-06	1.12E-04	3.9E-08	1.2E-07	6.8E-08	6.1E-08	2.8E-08	1.3E-09	3.1E-08	1.7E-09	0.0E+00	0.0E+00	3.4E-08
185	UCART1	570870.6	4177998.99	570870.55, 4177998.99	0.20568	3.4144	1.12E-04	6.95E-06	1.19E-04	4.1E-08	1.2E-07	7.2E-08	6.5E-08	3.0E-08	1.4E-09	3.3E-08	1.8E-09	0.0E+00	0.0E+00	3.6E-08
186	UCART1	570910.6	4177998.99	570910.55, 4177998.99	0.21321	1.9067	1.16E-04	3.88E-06	1.20E-04	4.1E-08	1.3E-07	7.3E-08	6.6E-08	3.0E-08	1.4E-09	3.3E-08	1.8E-09	0.0E+00	0.0E+00	3.7E-08
187	UCART1	570950.6	4177998.99	570950.55, 4177998.99	0.21862	1.2336	1.19E-04	2.51E-06	1.21E-04	4.2E-08	1.3E-07	7.3E-08	6.7E-08	3.0E-08	1.4E-09	3.4E-08	1.9E-09	0.0E+00	0.0E+00	3.7E-08
188	UCART1	570990.6	4177998.99	570990.55, 4177998.99	0.22256	0.8924	1.21E-04	1.82E-06	1.23E-04	4.3E-08	1.3E-07	7.4E-08	6.7E-08	3.1E-08	1.4E-09	3.4E-08	1.9E-09	0.0E+00	0.0E+00	3.8E-08
189	UCART1	571030.6	4177998.99	571030.55, 4177998.99	0.22611	0.6978	1.23E-04	1.42E-06	1.24E-04	4.3E-08	1.3E-07	7.5E-08	6.8E-08	3.1E-08	1.4E-09	3.5E-08	1.9E-09	0.0E+00	0.0E+00	3.8E-08
190	UCART1	571070.6	4177998.99	571070.55, 4177998.99	0.22889	0.576	1.25E-04	1.17E-06	1.26E-04	4.4E-08	1.3E-07	7.6E-08	6.9E-08	3.1E-08	1.5E-09	3.5E-08	1.9E-09	0.0E+00	0.0E+00	3.8E-08
191	UCART1	571110.6	4177998.99	571110.55, 4177998.99	0.22753	0.4898	1.24E-04	9.97E-07	1.25E-04	4.3E-08	1.3E-07	7.6E-08	6.8E-08	3.1E-08	1.4E-09	3.5E-08	1.9E-09	0.0E+00	0.0E+00	3.8E-08
192	UCART1	571150.6	4177998.99	571150.55, 4177998.99	0.23598	0.4409	1.28E-04	8.98E-07	1.29E-04	4.5E-08	1.4E-07	7.8E-08	7.1E-08	3.2E-08	1.5E-09	3.6E-08	2.0E-09	0.0E+00	0.0E+00	4.0E-08
193	UCART1	571190.6	4177998.99	571190.55, 4177998.99	0.24139	0.4013	1.31E-04	8.17E-07	1.32E-04	4.6E-08	1.4E-07	8.0E-08	7.2E-08	3.3E-08	1.5E-09	3.7E-08	2.0E-09	0.0E+00	0.0E+00	4.0E-08
194	UCART1	571230.6	4177998.99	571230.55, 4177998.99	0.24853	0.3714	1.35E-04	7.56E-07	1.36E-04	4.7E-08	1.4E-07	8.2E-08	7.5E-08	3.4E-08	1.6E-09	3.8E-08	2.1E-09	0.0E+00	0.0E+00	4.2E-08
195	UCART1	571270.6	4177998.99	571270.55, 4177998.99	0.25802	0.3471	1.40E-04	7.07E-07	1.41E-04	4.9E-08	1.5E-07	8.5E-08	7.7E-08	3.5E-08	1.6E-09	3.9E-08	2.2E-09	0.0E+00	0.0E+00	4.3E-08
196	UCART1	571310.6	4177998.99	571310.55, 4177998.99	0.26906	0.3263	1.46E-04	6.64E-07	1.47E-04	5.1E-08	1.5E-07	8.9E-08	8.1E-08	3.7E-08	1.7E-09	4.1E-08	2.3E-09	0.0E+00	0.0E+00	4.5E-08
197	UCART1	571350.6	4177998.99	571350.55, 4177998.99	0.28038	0.3096	1.53E-04	6.31E-07	1.53E-04	5.3E-08	1.6E-07	9.3E-08	8.4E-08	3.8E-08	1.8E-09	4.3E-08	2.4E-09	0.0E+00	0.0E+00	4.7E-08
198	UCART1	571390.6	4177998.99	571390.55, 4177998.99	0.28835	0.2964	1.57E-04	6.04E-07	1.57E-04	5.5E-08	1.6E-07	9.5E-08	8.6E-08	3.9E-08	1.8E-09	4.4E-08	2.4E-09	0.0E+00	0.0E+00	4.8E-08
199	UCART1	571430.6	4177998.99	571430.55, 4177998.99	0.2921	0.2869	1.59E-04	5.84E-07	1.60E-04	5.5E-08	1.7E-07	9.7E-08	8.7E-08	4.0E-08	1.8E-09	4.5E-08	2.5E-09	0.0E+00	0.0E+00	4.9E-08
200	UCART1	571470.6	4177998.99	571470.55, 4177998.99	0.29309	0.287	1.59E-04	5.84E-07	1.60E-04	5.5E-08	1.7E-07	9.7E-08	8.8E-08	4.0E-08	1.9E-09	4.5E-08	2.5E-09	0.0E+00	0.0E+00	4.9E-08
201	UCART1	571510.6	4177998.99	571510.55, 4177998.99	0.28873	0.2918	1.57E-04	5.94E-07	1.58E-04	5.5E-08	1.6E-07	9.5E-08	8.6E-08	3.9E-08	1.8E-09	4.4E-08	2.4E-09	0.0E+00	0.0E+00	4.8E-08
202	UCART1	571550.6	4177998.99	571550.55, 4177998.99	0.27994	0.2931	1.52E-04	5.97E-07	1.53E-04	5.3E-08	1.6E-07	9.3E-08	8.4E-08	3.8E-08	1.8E-09	4.3E-08	2.4E-09	0.0E+00	0.0E+00	4.7E-08
203	UCART1	571590.6	4177998.99	571590.55, 4177998.99	0.2688	0.2876	1.46E-04	5.86E-07	1.47E-04	5.1E-08	1.5E-07	8.9E-08	8.1E-08	3.7E-08	1.7E-09	4.1E-08	2.3E-09	0.0E+00	0.0E+00	4.5E-08
204	UCART1	571630.6	4177998.99	571630.55, 4177998.99	0.25535	0.2751	1.39E-04	5.60E-07	1.39E-04	4.8E-08	1.5E-07	8.4E-08	7.7E-08	3.5E-08	1.6E-09	3.9E-08	2.1E-09	0.0E+00	0.0E+00	4.3E-08
205	UCART1	571670.6	4177998.99	571670.55, 4177998.99	0.24013	0.258	1.31E-04	5.25E-07	1.31E-04	4.5E-08	1.4E-07	7.9E-08	7.2E-08	3.3E-08	1.5E-09	3.7E-08	2.0E-09	0.0E+00	0.0E+00	4.0E-08
206	UCART1	571710.6	4177998.99	571710.55, 4177998.99	0.22433	0.2393	1.22E-04	4.87E-07	1.23E-04	4.2E-08	1.3E-07	7.4E-08	6.7E-08	3.1E-08	1.4E-09	3.4E-08	1.9E-09	0.0E+00	0.0E+00	3.8E-08
207	UCART1	571750.6	4177998.99	571750.55, 4177998.99	0.20915	0.2212	1.14E-04	4.50E-07	1.14E-04	4.0E-08	1.2E-07	6.9E-08	6.3E-08	2.9E-08	1.3E-09	3.2E-08	1.8E-09	0.0E+00	0.0E+00	3.5E-08
208	UCART1	571790.6	4177998.99	571790.55, 4177998.99	0.19432	0.2038	1.06E-04	4.15E-07	1.06E-04	3.7E-08	1.1E-07	6.4E-08	5.8E-08	2.7E-08	1.2E-09	3.0E-08	1.6E-09	0.0E+00	0.0E+00	3.2E-08
209	UCART1	571830.6	4177998.99	571830.55, 4177998.99	0.18026	0.1878	9.81E-05	3.82E-07	9.85E-05	3.4E-08	1.0E-07	6.0E-08	5.4E-08	2.5E-08	1.1E-09	2.7E-08	1.5E-09	0.0E+00	0.0E+00	3.0E-08
210	UCART1	571870.6	4177998.99	571870.55, 4177998.99	0.16711	0.1732	9.09E-05	3.53E-07	9.13E-05	3.2E-08	9.5E-08	5.5E-08	5.0E-08	2.3E-08	1.1E-09	2.5E-08	1.4E-09	0.0E+00	0.0E+00	2.8E-08
211	UCART1	570230.6	4178038.99	570230.55, 4178038.99	0.05892	0.0668	3.21E-05	1.36E-07	3.22E-05	1.1E-08	3.4E-08	1.9E-08	1.8E-08	8.1E-09	3.7E-10	9.0E-09	5.0E-10	0.0E+00	0.0E+00	9.9E-09
212	UCART1	570270.6	4178038.99	570270.55, 4178038.99	0.06436	0.0734	3.50E-05	1.49E-07	3.52E-05	1.2E-08	3.7E-08	2.1E-08	1.9E-08	8.8E-09	4.1E-10	9.8E-09	5.4E-10	0.0E+00	0.0E+00	1.1E-08
213	UCART1	570310.6	4178038.99	570310.55, 4178038.99	0.07052	0.081	3.84E-05	1.65E-07	3.85E-05	1.3E-08	4.0E-08	2.3E-08	2.1E-08	9.6E-09	4.5E-10	1.1E-08	5.9E-10	0.0E+00	0.0E+00	1.2E-08
214	UCART1	570350.6	4178038.99	570350.55, 4178038.99	0.07749	0.0899	4.22E-05	1.83E-07	4.23E-05	1.5E-08	4.4E-08	2.6E-08	2.3E-08	1.1E-08	4.9E-10	1.2E-08	6.5E-10	0.0E+00	0.0E+00	1.3E-08
215	UCART1	570390.6	4178038.99	570390.55, 4178038.99	0.08533	0.1003	4.64E-05	2.04E-07	4.66E-05	1.6E-08	4.9E-08	2.8E-08	2.6E-08	1.2E-08	5.4E-10	1.3E-08	7.2E-10	0.0E+00	0.0E+00	1.4E-08
216	UCART1	570430.6	4178038.99	570430.55, 4178038.99	0.09428	0.113	5.13E-05	2.30E-07	5.15E-05	1.8E-08	5.4E-08	3.1E-08	2.8E-08	1.3E-08	6.0E-10	1.4E-08	7.9E-10	0.0E+00	0.0E+00	1.6E-08
217	UCART1	570470.6	4178038.99	570470.55, 4178038.99	0.10436	0.1287	5.68E-05	2.62E-07	5.70E-05	2.0E-08	6.0E-08	3.5E-08	3.1E-08	1.4E-08	6.6E-10	1.6E-08	8.8E-10	0.0E+00	0.0E+00	1.7E-08
218	UCART1	570510.6	4178038.99	570510.55, 4178038.99	0.11532	0.1478	6.27E-05	3.01E-07	6.30E-05	2.2E-08	6.6E-08	3.8E-08	3.5E-08	1.6E-08	7.3E-10	1.8E-08	9.7E-10	0.0E+00	0.0E+00	1.9E-08
219	UCART1	570550.6	4178038.99	570550.55, 4178038.99	0.12737	0.1725	6.93E-05	3.51E-07	6.96E-05	2.4E-08	7.3E-08	4.2E-08	3.8E-08	1.7E-08	8.1E-10	1.9E-08	1.1E-09	0.0E+00	0.0E+00	2.1E-08
220	UCART1	570590.6	4178038.99	570590.55, 4178038.99	0.14108	0.2071	7.68E-05	4.22E-07	7.72E-05	2.7E-08	8.1E-08	4.7E-08	4.2E-08	1.9E-08	8.9E-10	2.2E-08	1.2E-09	0.0E+00	0.0E+00	2.4E-08
221	UCART1	570630.6	4178038.99	570630.55, 4178038.99	0.15563	0.2567	8.47E-05	5.23E-07	8.52E-05	2.9E-08	8.9E-08	5.2E-08	4.7E-08	2.1E-08	9.8E-10	2.4E-08	1.3E-09	0.0E+00	0.0E+00	2.6E-08

CONSTRUCTION RISK (UNMITIGATED)

222	UCART1	570670.6	4178038.99	570670.55, 4178038.99	0.17099	0.3356	9.30E-05	6.84E-07	9.37E-05	3.2E-08	9.8E-08	5.7E-08	5.1E-08	2.3E-08	1.1E-09	2.6E-08	1.4E-09	0.0E+00	0.0E+00	2.9E-08
223	UCART1	570710.6	4178038.99	570710.55, 4178038.99	0.18711	0.4806	1.02E-04	9.79E-07	1.03E-04	3.6E-08	1.1E-07	6.2E-08	5.6E-08	2.6E-08	1.2E-09	2.9E-08	1.6E-09	0.0E+00	0.0E+00	3.1E-08
224	UCART1	570750.6	4178038.99	570750.55, 4178038.99	0.20391	0.8093	1.11E-04	1.65E-06	1.13E-04	3.9E-08	1.2E-07	6.8E-08	6.2E-08	2.8E-08	1.3E-09	3.1E-08	1.7E-09	0.0E+00	0.0E+00	3.4E-08
225	UCART1	570790.6	4178038.99	570790.55, 4178038.99	0.22107	1.8235	1.20E-04	3.71E-06	1.24E-04	4.3E-08	1.3E-07	7.5E-08	6.8E-08	3.1E-08	1.4E-09	3.5E-08	1.9E-09	0.0E+00	0.0E+00	3.8E-08
226	UCART1	570830.6	4178038.99	570830.55, 4178038.99	0.23834	2.5988	1.30E-04	5.29E-06	1.35E-04	4.7E-08	1.4E-07	8.2E-08	7.4E-08	3.4E-08	1.6E-09	3.8E-08	2.1E-09	0.0E+00	0.0E+00	4.1E-08
227	UCART1	570870.6	4178038.99	570870.55, 4178038.99	0.25471	3.8356	1.39E-04	7.81E-06	1.46E-04	5.1E-08	1.5E-07	8.9E-08	8.0E-08	3.7E-08	1.7E-09	4.1E-08	2.3E-09	0.0E+00	0.0E+00	4.5E-08
228	UCART1	570910.6	4178038.99	570910.55, 4178038.99	0.26926	2.2164	1.46E-04	4.51E-06	1.51E-04	5.2E-08	1.6E-07	9.1E-08	8.3E-08	3.8E-08	1.7E-09	4.2E-08	2.3E-09	0.0E+00	0.0E+00	4.6E-08
229	UCART1	570950.6	4178038.99	570950.55, 4178038.99	0.28027	1.4538	1.52E-04	2.96E-06	1.55E-04	5.4E-08	1.6E-07	9.4E-08	8.5E-08	3.9E-08	1.8E-09	4.3E-08	2.4E-09	0.0E+00	0.0E+00	4.8E-08
230	UCART1	570990.6	4178038.99	570990.55, 4178038.99	0.2878	1.0524	1.57E-04	2.14E-06	1.59E-04	5.5E-08	1.7E-07	9.6E-08	8.7E-08	4.0E-08	1.8E-09	4.4E-08	2.4E-09	0.0E+00	0.0E+00	4.9E-08
231	UCART1	571030.6	4178038.99	571030.55, 4178038.99	0.29354	0.8187	1.60E-04	1.67E-06	1.61E-04	5.6E-08	1.7E-07	9.8E-08	8.9E-08	4.0E-08	1.9E-09	4.5E-08	2.5E-09	0.0E+00	0.0E+00	4.9E-08
232	UCART1	571070.6	4178038.99	571070.55, 4178038.99	0.29593	0.67	1.61E-04	1.36E-06	1.62E-04	5.6E-08	1.7E-07	9.8E-08	8.9E-08	4.1E-08	1.9E-09	4.5E-08	2.5E-09	0.0E+00	0.0E+00	5.0E-08
233	UCART1	571110.6	4178038.99	571110.55, 4178038.99	0.28402	0.5564	1.55E-04	1.13E-06	1.56E-04	5.4E-08	1.6E-07	9.4E-08	8.5E-08	3.9E-08	1.8E-09	4.3E-08	2.4E-09	0.0E+00	0.0E+00	4.8E-08
234	UCART1	571150.6	4178038.99	571150.55, 4178038.99	0.30823	0.5126	1.68E-04	1.04E-06	1.69E-04	5.8E-08	1.8E-07	1.0E-07	9.3E-08	4.2E-08	2.0E-09	4.7E-08	2.6E-09	0.0E+00	0.0E+00	5.2E-08
235	UCART1	571190.6	4178038.99	571190.55, 4178038.99	0.32461	0.473	1.77E-04	9.63E-07	1.78E-04	6.1E-08	1.9E-07	1.1E-07	9.7E-08	4.4E-08	2.1E-09	5.0E-08	2.7E-09	0.0E+00	0.0E+00	5.4E-08
236	UCART1	571230.6	4178038.99	571230.55, 4178038.99	0.34048	0.4452	1.85E-04	9.07E-07	1.86E-04	6.4E-08	1.9E-07	1.1E-07	1.0E-07	4.7E-08	2.2E-09	5.2E-08	2.9E-09	0.0E+00	0.0E+00	5.7E-08
237	UCART1	571270.6	4178038.99	571270.55, 4178038.99	0.35769	0.4254	1.95E-04	8.66E-07	1.95E-04	6.8E-08	2.0E-07	1.2E-07	1.1E-07	4.9E-08	2.3E-09	5.5E-08	3.0E-09	0.0E+00	0.0E+00	6.0E-08
238	UCART1	571310.6	4178038.99	571310.55, 4178038.99	0.3724	0.4079	2.03E-04	8.31E-07	2.03E-04	7.0E-08	2.1E-07	1.2E-07	1.1E-07	5.1E-08	2.4E-09	5.7E-08	3.1E-09	0.0E+00	0.0E+00	6.2E-08
239	UCART1	571350.6	4178038.99	571350.55, 4178038.99	0.38147	0.3926	2.08E-04	8.00E-07	2.08E-04	7.2E-08	2.2E-07	1.3E-07	1.1E-07	5.2E-08	2.4E-09	5.8E-08	3.2E-09	0.0E+00	0.0E+00	6.4E-08
240	UCART1	571390.6	4178038.99	571390.55, 4178038.99	0.38326	0.3831	2.09E-04	7.80E-07	2.09E-04	7.2E-08	2.2E-07	1.3E-07	1.1E-07	5.2E-08	2.4E-09	5.8E-08	3.2E-09	0.0E+00	0.0E+00	6.4E-08
241	UCART1	571430.6	4178038.99	571430.55, 4178038.99	0.37801	0.386	2.06E-04	7.86E-07	2.06E-04	7.1E-08	2.2E-07	1.2E-07	1.1E-07	5.2E-08	2.4E-09	5.8E-08	3.2E-09	0.0E+00	0.0E+00	6.3E-08
242	UCART1	571470.6	4178038.99	571470.55, 4178038.99	0.36683	0.4023	2.00E-04	8.19E-07	2.00E-04	6.9E-08	2.1E-07	1.2E-07	1.1E-07	5.0E-08	2.3E-09	5.6E-08	3.1E-09	0.0E+00	0.0E+00	6.1E-08
243	UCART1	571510.6	4178038.99	571510.55, 4178038.99	0.35026	0.4065	1.91E-04	8.28E-07	1.91E-04	6.6E-08	2.0E-07	1.2E-07	1.0E-07	4.8E-08	2.2E-09	5.3E-08	2.9E-09	0.0E+00	0.0E+00	5.9E-08
244	UCART1	571550.6	4178038.99	571550.55, 4178038.99	0.33082	0.3906	1.80E-04	7.95E-07	1.81E-04	6.3E-08	1.9E-07	1.1E-07	9.9E-08	4.5E-08	2.1E-09	5.0E-08	2.8E-09	0.0E+00	0.0E+00	5.5E-08
245	UCART1	571590.6	4178038.99	571590.55, 4178038.99	0.30938	0.3622	1.68E-04	7.37E-07	1.69E-04	5.9E-08	1.8E-07	1.0E-07	9.3E-08	4.2E-08	2.0E-09	4.7E-08	2.6E-09	0.0E+00	0.0E+00	5.2E-08
246	UCART1	571630.6	4178038.99	571630.55, 4178038.99	0.28735	0.33	1.56E-04	6.72E-07	1.57E-04	5.4E-08	1.6E-07	9.5E-08	8.6E-08	3.9E-08	1.8E-09	4.4E-08	2.4E-09	0.0E+00	0.0E+00	4.8E-08
247	UCART1	571670.6	4178038.99	571670.55, 4178038.99	0.26508	0.2983	1.44E-04	6.07E-07	1.45E-04	5.0E-08	1.5E-07	8.8E-08	7.9E-08	3.6E-08	1.7E-09	4.0E-08	2.2E-09	0.0E+00	0.0E+00	4.4E-08
248	UCART1	571710.6	4178038.99	571710.55, 4178038.99	0.24382	0.2692	1.33E-04	5.48E-07	1.33E-04	4.6E-08	1.4E-07	8.1E-08	7.3E-08	3.3E-08	1.5E-09	3.7E-08	2.1E-09	0.0E+00	0.0E+00	4.1E-08
249	UCART1	571750.6	4178038.99	571750.55, 4178038.99	0.22412	0.2436	1.22E-04	4.96E-07	1.22E-04	4.2E-08	1.3E-07	7.4E-08	6.7E-08	3.1E-08	1.4E-09	3.4E-08	1.9E-09	0.0E+00	0.0E+00	3.7E-08
250	UCART1	571790.6	4178038.99	571790.55, 4178038.99	0.20586	0.221	1.12E-04	4.50E-07	1.12E-04	3.9E-08	1.2E-07	6.8E-08	6.2E-08	2.8E-08	1.3E-09	3.1E-08	1.7E-09	0.0E+00	0.0E+00	3.4E-08
251	UCART1	571830.6	4178038.99	571830.55, 4178038.99	0.18924	0.2012	1.03E-04	4.10E-07	1.03E-04	3.6E-08	1.1E-07	6.3E-08	5.7E-08	2.6E-08	1.2E-09	2.9E-08	1.6E-09	0.0E+00	0.0E+00	3.2E-08
252	UCART1	571870.6	4178038.99	571870.55, 4178038.99	0.17417	0.1839	9.48E-05	3.74E-07	9.51E-05	3.3E-08	9.9E-08	5.8E-08	5.2E-08	2.4E-08	1.1E-09	2.7E-08	1.5E-09	0.0E+00	0.0E+00	2.9E-08
253	UCART1	570230.6	4178078.99	570230.55, 4178078.99	0.06002	0.069	3.27E-05	1.40E-07	3.28E-05	1.1E-08	3.4E-08	2.0E-08	1.8E-08	8.2E-09	3.8E-10	9.2E-09	5.1E-10	0.0E+00	0.0E+00	1.0E-08
254	UCART1	570270.6	4178078.99	570270.55, 4178078.99	0.06581	0.076	3.58E-05	1.55E-07	3.60E-05	1.2E-08	3.8E-08	2.2E-08	2.0E-08	9.0E-09	4.2E-10	1.0E-08	5.5E-10	0.0E+00	0.0E+00	1.1E-08
255	UCART1	570310.6	4178078.99	570310.55, 4178078.99	0.07244	0.0843	3.94E-05	1.72E-07	3.96E-05	1.4E-08	4.1E-08	2.4E-08	2.2E-08	9.9E-09	4.6E-10	1.1E-08	6.1E-10	0.0E+00	0.0E+00	1.2E-08
256	UCART1	570350.6	4178078.99	570350.55, 4178078.99	0.08004	0.0941	4.35E-05	1.92E-07	4.37E-05	1.5E-08	4.6E-08	2.6E-08	2.4E-08	1.1E-08	5.1E-10	1.2E-08	6.7E-10	0.0E+00	0.0E+00	1.3E-08
257	UCART1	570390.6	4178078.99	570390.55, 4178078.99	0.08877	0.1058	4.83E-05	2.15E-07	4.85E-05	1.7E-08	5.1E-08	2.9E-08	2.7E-08	1.2E-08	5.6E-10	1.4E-08	7.5E-10	0.0E+00	0.0E+00	1.5E-08
258	UCART1	570430.6	4178078.99	570430.55, 4178078.99	0.09877	0.1199	5.37E-05	2.44E-07	5.40E-05	1.9E-08	5.6E-08	3.3E-08	3.0E-08	1.4E-08	6.2E-10	1.5E-08	8.3E-10	0.0E+00	0.0E+00	1.7E-08
259	UCART1	570470.6	4178078.99	570470.55, 4178078.99	0.11023	0.1375	6.00E-05	2.80E-07	6.03E-05	2.1E-08	6.3E-08	3.6E-08	3.3E-08	1.5E-08	7.0E-10	1.7E-08	9.3E-10	0.0E+00	0.0E+00	1.8E-08
260	UCART1	570510.6	4178078.99	570510.55, 4178078.99	0.12336	0.16	6.71E-05	3.26E-07	6.74E-05	2.3E-08	7.0E-08	4.1E-08	3.7E-08	1.7E-08	7.8E-10	1.9E-08	1.0E-09	0.0E+00	0.0E+00	2.1E-08
261	UCART1	570550.6	4178078.99	570550.55, 4178078.99	0.13793	0.1889	7.50E-05	3.85E-07	7.54E-05	2.6E-08	7.9E-08	4.6E-08	4.1E-08	1.9E-08	8.7E-10	2.1E-08	1.2E-09	0.0E+00	0.0E+00	2.3E-08
262	UCART1	570590.6	4178078.99	570590.55, 4178078.99	0.1545	0.2293	8.41E-05	4.67E-07	8.45E-05	2.9E-08	8.8E-08	5.1E-08	4.6E-08	2.1E-08	9.8E-10	2.4E-08	1.3E-09	0.0E+00	0.0E+00	2.6E-08
263	UCART1	570630.6	4178078.99	570630.55, 4178078.99	0.17286	0.2889	9.40E-05	5.88E-07	9.46E-05	3.3E-08	9.9E-08	5.7E-08	5.2E-08	2.4E-08	1.1E-09	2.6E-08	1.5E-09	0.0E+00	0.0E+00	2.9E-08
264	UCART1	570670.6	4178078.99	570670.55, 4178078.99	0.19288	0.385	1.05E-04	7.84E-07	1.06E-04	3.7E-08	1.1E-07	6.4E-08	5.8E-08	2.6E-08	1.2E-09	3.0E-08	1.6E-09	0.0E+00	0.0E+00	3.2E-08
265	UCART1	570710.6	4178078.99	570710.55, 4178078.99	0.21467	0.5622	1.17E-04	1.14E-06	1.18E-04	4.1E-08	1.2E-07	7.1E-08	6.5E-08	3.0E-08	1.4E-09	3.3E-08	1.8E-09	0.0E+00	0.0E+00	3.6E-08
266	UCART1	570750.6	4178078.99	570750.55, 4178078.99	0.2383	0.9548	1.30E-04	1.94E-06	1.32E-04	4.6E-08	1.4E-07	8.0E-08	7.2E-08	3.3E-08	1.5E-09	3.7E-08	2.0E-09	0.0E+00	0.0E+00	4.0E-08
267	UCART1	570790.6	4178078.99	570790.55, 4178078.99	0.26372	2.1349	1.43E-04	4.35E-06	1.48E-04	5.1E-08	1.5E-07	8.9E-08	8.1E-08	3.7E-08	1.7E-09	4.1E-08	2.3E-09	0.0E+00	0.0E+00	4.5E-08
268	UCART1	570830.6	4178078.99	570830.55, 4178078.99	0.29101	2.9272	1.58E-04	5.96E-06	1.64E-04	5.7E-08	1.7E-07	9.9E-08	9.0E-08	4.1E-08	1.9E-09	4.6E-08	2.5E-09	0.0E+00	0.0E+00	5.0E-08
269	UCART1	570870.6	4178078.99	570870.55, 4178078.99	0.3195	3.8395	1.74E-04	7.82E-06	1.82E-04	6.3E-08	1.9E-07	1.1E-07	1.0E-07	4.5E-08	2.1E-09	5.1E-08	2.8E-09	0.0E+00	0.0E+00	5.6E-08
270	UCART1	570910.6	4178078.99	570910.55, 4178078.99	0.34749	2.2929	1.89E-04	4.67E-06	1.94E-04	6.7E-08	2.0E-07	1.2E-07	1.1E-07	4.8E-08	2.2E-09	5.4E-08	3.0E-09	0.0E+00	0.0E+00	5.9E-08
271	UCART1	570950.6	4178078.99	570950.55, 4178078.99	0.37139	1.5444	2.02E-04	3.15E-06	2.05E-04	7.1E-08	2.1E-07	1.2E-07	1.1E-07	5.1E-08	2.4E-09	5.7E-08	3.2E-09	0.0E+00	0.0E+00	6.3E-08
272	UCART1	570990.6	4178078.99	570990.55, 4178078.99	0.38835	1.1398	2.11E-04	2.32E-06	2.14E-04	7.4E-08	2.2E-07	1.3E-07	1.2E-07	5.3E-08	2.5E-09	6.0E-08	3.3E-09	0.0E+00	0.0E+00	6.5E-08
273	UCART1	571030.6	4178078.99	571030.55, 4178078.99	0.39932	0.899	2.17E-04	1.83E-06	2.19E-04	7.6E-08	2.3E-07	1.3E-07	1.2E-07	5.5E-08	2.5E-09	6.1E-08	3.4E-09	0.0E+00	0.0E+00	6.7E-08
274	UCART1	571070.6	4178078.99	571070.55, 4178078.99	0.40979	0.7475	2.23E-04	1.52E-06	2.24E-04	7.8E-08	2.3E-07	1.4E-07	1.2E-07	5.6E-08	2.6E-09	6.3E-08	3.5E-09	0.0E+00	0.0E+00	6.9E-08
275	UCART1	571110.6	4178078.99	571110.55, 4178078.99	0.41225	0.643	2.24E-04	1.31E-06	2.26E-04	7.8E-08	2.4E-07	1.4E-07	1.2E-07	5.6E-08	2.6E-09	6.3E-08	3.5E-09	0.0E+00	0.0E+00	6.9E-08
276	UCART1	571150.6	4178078.99	571150.55, 4178078.99	0.44131	0.5874	2.40E-04	1.20E-06	2.41E-04	8.4E-08	2.5E-07	1.5E-07	1.3E-07	6.0E-08	2.8E-09	6.7E-08	3.7E-09	0.0E+00	0.0E+00	7.4E-08
277	UCART1	571190.6	4178078.99	571190.55, 4178078.99	0.47171	0.5519	2.57E-04	1.12E-06	2.58E-04	8.9E-08	2.7E-07	1.6E-07	1.4E-07	6.5E-08	3.0E-09	7.2E-08	4.0E-09	0.0E+00	0.0E+00	7.9E-08
278	UCART1	571230.6	4178078.99	571230.55, 4178078.99	0.49958	0.5376	2.72E-04	1.09E-06	2.73E-04	9.4E-08	2.9E-07	1.7E-07	1.5E-07	6.8E-08	3.2E-09	7.6E-08	4.2E-09	0.0E+00	0.0E+00	8.4E-08
279	UCART1	571270.6	4178078.99	571270.55, 4178078.99	0.51848	0.5405	2.82E-04	1.10E-06	2.83E-04	9.8E-08	3.0E-07	1.7E-07	1.6E-07	7.1E-08	3.3E-09	7.9E-08	4.4E-09	0.0E+00	0.0E+00	8.7E-08
280	UCART1	571310.6	4178078.99	571310.55, 4178078.99	0.52491	0.5513	2.86E-04	1.12E-06	2.87E-04	9.9E-08	3.0E-07	1.7E-07	1.6E-07	7.2E-08	3.3E-09	8.0E-08	4.4E-09	0.0E+00	0.0E+00	8.8E-08
281	UCART1	571350.6	4178078.99	571350.55, 4178078.99	0.51902	0.555	2.82E-04	1.13E-06	2.84E-04	9.8E-08	3.0E-07	1.7E-07	1.6E-07	7.1E-08	3.3E-09	7.9E-08	4.4E-09	0.0E+00	0.0E+00	8.7E-08
282	UCART1	571390.6	4178078.99	571390.55, 4178078.99	0.50235	0.5704	2.73E-04	1.16E-06	2.74E-04	9.5E-08	2.9E-07	1.7E-07	1.5E-07	6.9E-08	3.2E-09	7.7E-08	4.2E-09	0.0E+00	0.0E+00	8.4E-08
283	UCART1	571430.6	4178078.99	571430.55, 4178078.99	0.47766	0.6288	2.60E-04	1.28E-06	2.61E-04	9.0E-08	2.7E-07	1.6E-07	1.4E-07	6.5E-08	3.0E-09	7.3E-08	4.0E-09	0.0E+00	0.0E+00	8.0E-08
284	UCART1	571470.6	4178078.99	571470.55, 4178078.99	0.44702	0.6355	2.43E-04	1.29E-06	2.45E-04	8.5E-08	2.6E-07	1.5E-07	1.3E-07	6.1E-08	2.8E-09	6.8E-08	3.8E-09	0.0E+00	0.0E+00	7.5E-08
285	UCART1	571510.6	4178078.99	571510.55, 4178078.99	0.41446	0.5775	2.25E-04	1.18E-06	2.27E-04	7.8E-08	2.4E-07	1.4E-07	1.2E-07	5.7E-08	2.6E-09	6.3E-08	3.5E-09	0.0E+00	0.0E+00	6.9E-08
286	UCART1	571550.6	4178078.99	571550.55, 4178078.99	0.38061	0.5043	2.07E-04	1.03E-06	2.08E-04	7.2E-08	2.2E-07	1.3E-07	1.1E-07	5.2E-08	2.4E-09	5.8E-08	3.2E-09	0.0E+00	0.0E+00	6.4E-08
287	UCART1	571590.6	4178078.99	571590.55, 4178078.99	0.34749	0.4378	1.89E-04	8.91E-07	1.90E-04	6.6E-08	2.0E-07	1.1E-07	1.0E-07	4.8E-08	2.2E-09	5.3E-08	2.9E-09	0.0E+00	0.0E+00	5.8E-08
288	UCART1	571630.6	4178078.99	571630.55, 4178078.99	0.31645	0.382	1.72E-04	7.78E-07	1.73E-04	6.0E-08	1.8E-07	1.0E-07	9.5E-08	4.3E-08	2.0E-09	4.8E-08	2.7E-09	0.0E+00	0.0E+00	5.3E-08
289	UCART1	571670.6	4178078.99	571670.55, 4178078.99	0.28718	0.3352	1.56E-04	6.83E-07	1.57E-04	5.4E-08	1.6E-07	9.5E-08	8.6E-08	3.9E-08	1.8E-09	4.4E-08	2.4E-09	0.0E+00	0.0E+00	4.8E-08
290	UCART1	571710.6	4178078.99	571710.55, 4178078.99	0.26068	0.2965	1.42E-04	6.04E-07	1.42E-04	4.9E-08	1.5E-07	8.6E-08	7.8E-08	3.6E-08	1.6E-09	4.0E-08	2.2E-09	0.0E+00	0.0E+00	4.4E-08
291	UCART1	571750.6	4178078.99	571750.55, 4178078.99	0.23712	0.2644	1.29E-04	5.38E-07	1.30E-04	4.5E-08	1.4E-07	7.8E-08	7.1E-08	3.2E-08	1.5E-09	3.6E-08	2.0E-09	0.0E+00	0.0E+00	4.0E-08
292	UCART1	571790.6	4178078.99	571790.55, 4178078.99	0.21605	0.2373	1.18E-04	4.83E-07	1.18E-04	4.1E-08	1.2E-07	7.1E-08	6.5E-08	3.0E-08	1.4E-09	3.3E-08	1.8E-09	0.0E+00	0.0E+00	3.6E-08
293	UCART1	571830.6	4178078.99	571830.55, 4178078.99	0.19736	0.2143	1.07E-04	4.36E-07	1.08E-04	3.7E-08	1.1E-07	6.5E-08	5.9E-08	2.7E-08	1.2E-09	3.0E-08	1.7E-09	0.0E+00	0.0E+00	3.3E-08
294	UCART1	571870.6	4178078.99	571870.55, 4178078.99	0.1808	0.1945	9.84E-05	3.96E-07	9.88E-05	3.4E-08	1.0E-07	6.0E-08	5.4E-08	2.5E-08	1.1E-09	2.8E-08	1.5E-09	0.0E+00	0.0E+00	3.0E-08
295	UCART1	570230.6	4178118.99	570230.55, 4178118.99	0.06097	0.071	3.32E-05	1.45E-07	3.33E-05	1.2E-08	3.5E-08	2.0E-08	1.8E-08	8.3E-09	3.9E-10	9.3E-09	5.1E-10	0.0E+00	0.0E+00	1.0E-08
296	UCART1	570270.6	4178118.99	570270.55, 4178118.99	0.06708	0.0786	3.65E-05	1.60E-07	3.67E-05	1.3E-08	3.8E-08	2.2E-08	2.0E-08	9.2E-09	4.2E-10	1.0E-08	5.6E-10	0.0E+00	0.0E+00	1.1E-08
297	UCART1	570310.6	4178118.99	570310.55, 4178118.99	0.07413	0.0875	4.03E-05	1.78E-07	4.05E-05	1.4E-08	4.2E-08	2.5E-08	2.2E-08	1.0E-08	4.7E-10	1.1E-08	6.2E-10	0.0E+00	0.0E+00	1.2E-08
298	UCART1	570350.6	4178118.99	570350.55, 4178118.99	0.08232	0.0982	4.48E-05	2.00E-07	4.50E-05	1.6E-08	4.7E-08	2.7E-08	2.5E-08	1.1E-08	5.2E-10	1.3E-08	6.9E-10	0.0E+00	0.0E+00	1.4E-08
299	UCART1	570390.6	4178118.99	570390.55, 4178118.99	0.09184	0.111	5.00E-05	2.26E-07	5.02E-05	1.7E-08	5.2E-08	3.0E-08	2.8E-08	1.3E-08	5.8E-10	1.4E-08	7.7E-10	0.0E+00	0.0E+00	1.5E-08
300	UCART1	570430.6	4178118.99	570430.55, 4178118.99	0.10296	0.1268	5.60E-05	2.58E-07	5.63E-05	1.9E-08	5.9E-08	3.4E-08	3.1E-08	1.4E-08	6.5E-10	1.6E-08	8.7E-10	0.0E+00	0.0E+00	1.7E-08
301	UCART1	570470.6	4178118.99	570470.55, 4178118.99	0.1159	0.1465	6.31E-05	2.98E-07	6.34E-05	2.2E-08	6.6E-08	3.8E-08	3.5E-08	1.6E-08	7.3E-10	1.8E-08	9.8E-10	0.0E+00	0.0E+00	1.9E-08
302	UCART1	570510.6	4178118.99	570510.55, 4178118.99	0.13093	0.1717	7.12E-05	3.50E-07	7.16E-05	2.5E-08	7.5E-08	4.3E-08	3.9E-08	1.8E-08	8.3E-10	2.0E-08	1.1E-09	0.0E+00	0.0E+00	2.2E-08
303	UCART1	570550.6	4178118.99	570550.55, 4178118.99	0.1485	0.2057	8.08E-05	4.19E-07	8.12E-05	2.8E-08	8.5E-08	4.9E-08	4.5E-08	2.0E-08	9.4E-10	2.3E-08	1.3E-09	0.0E+00	0.0E+00	2.5E-08
304	UCART1	570590.6	4178118.99	570590.55, 4178118.99	0.1685	0.2525	9.17E-05	5.14E-07	9.22E-05	3.2E-08	9.6E-08	5.6E-08	5.1E-08	2.3E-08	1.1E-09	2.6E-08	1.4E-09	0.0E+00	0.0E+00	2.8E-08
305	UCART1	570630.6	4178118.99	570630.55, 4178118.99	0.19134	0.3218	1.04E-04	6.55E-07	1.05E-04	3.6E-08	1.1E-07	6.3E-08	5.7E-08	2.6E-08	1.2E-09	2.9E-08	1.6E-09	0.0E+00	0.0E+00	3.2E-08
306	UCART1	570670.6	4178118.99	570670.55, 4178118.99	0.21713	0.4342	1.18E-04	8.84E-07	1.19E-04	4.1E-08	1.2E-07	7.2E-08	6.5E-08	3.0E-08	1.4E-09	3.3E-08	1.8E-09	0.0E+00	0.0E+00	3.6E-08
307	UCART1	570710.6	4178118.99	570710.55, 4178118.99	0.24609	0.6398	1.34E-04	1.30E-06	1.35E-04	4.7E-08	1.4E-07	8.2E-08	7.4E-08	3.4E-08	1.6E-09	3.8E-08	2.1E-09	0.0E+00	0.0E+00	4.1E-08
308	UCART1	570750.6	4178118.99	570750.55, 4178118.99	0.27867	1.096	1.52E-04	2.23E-06	1.54E-04	5.3E-08	1.6E-07	9.3E-08	8.4E-08	3.9E-08	1.8E-09	4.3E-08	2.4E-09	0.0E+00	0.0E+00	4.7E-08
309	UCART1	570790.6	4178118.99	570790.55, 4178118.99	0.31533	2.5598	1.72E-04	5.21E-06	1.77E-04	6.1E-08	1.8E-07	1.1E-07	9.7E-08	4.4E-08	2.0E-09	4.9E-08	2.7E-09	0.0E+00	0.0E+00	5.4E-08
310	UCART1	570830.6	4178118.99	570830.55, 4178118.99	0.35708	6.7241	1.94E-04	1.37E-05	2.08E-04	7.2E-08	2.2E-07	1.3E-07	1.1E-07	5.2E-08	2.4E-09	5.8E-08	3.2E-09	0.0E+00	0.0E+00	6.4E-08
311	UCART1	570870.6	4178118.99	570870.55, 4178118.99	0.4045	3.6485	2.20E-04	7.43E-06	2.28E-04	7.9E-08	2.4E-07	1.4E-07	1.2E-07	5.7E-08	2.6E-09	6.4E-08	3.5E-09	0.0E+00	0.0E+00	7.0E-08
312	UCART1	570910.6	4178118.99	570910.55, 4178118.99	0.45708	2.2573	2.49E-04	4.60E-06	2.53E-04	8.8E-08	2.6E-07	1.5E-07	1.4E-07	6.3E-08	2.9E-09	7.1E-08	3.9E-09	0.0E+00	0.0E+00	7.8E-08
	UCART1	570950.6	4178118.99	570950.55, 4178118.99	0.51029	1.5667	2.78E-04	3.19E-06	2.81E-04	9.7E-08	2.9E-07	1.7E-07	1.5E-07	7.0E-08	3.2E-09	7.8E-08	4.3E-09	0.0E+00	0.0E+00	8.6E-08
	UCART1	570990.6	4178118.99	570990.55, 4178118.99	0.55406	1.1818	3.01E-04	2.41E-06	3.04E-04	1.1E-07	3.2E-07	1.8E-07	1.7E-07	7.6E-08	3.5E-09	8.5E-08	4.7E-09	0.0E+00	0.0E+00	9.3E-08
	UCART1	571030.6	4178118.99	571030.55, 4178118.99	0.58571	0.9506	3.19E-04	1.94E-06	3.21E-04	1.1E-07	3.4E-07	1.9E-07	1.8E-07	8.0E-08	3.7E-09	9.0E-08	4.9E-09	0.0E+00	0.0E+00	9.8E-08
	UCART1	571070.6	4178118.99	571070.55, 4178118.99	0.61132	0.805	3.33E-04	1.64E-06	3.34E-04	1.2E-07	3.5E-07	2.0E-07	1.8E-07	8.4E-08	3.9E-09	9.3E-08	5.1E-09	0.0E+00	0.0E+00	1.0E-07
	UCART1	571110.6	4178118.99	571110.55, 4178118.99	0.64748	0.7138	3.52E-04	1.45E-06	3.54E-04	1.2E-07	3.7E-07	2.1E-07	1.9E-07	8.9E-08	4.1E-09	9.9E-08	5.4E-09	0.0E+00	0.0E+00	1.1E-07
	UCART1	571150.6	4178118.99	571150.55, 4178118.99	0.70356	0.6621	3.83E-04	1.35E-06	3.84E-04	1.3E-07	4.0E-07	2.3E-07	2.1E-07	9.6E-08	4.4E-09	1.1E-07	5.9E-09	0.0E+00	0.0E+00	1.2E-07
	UCART1	571190.6	4178118.99	571190.55, 4178118.99	0.75191	0.6441	4.09E-04	1.31E-06	4.10E-04	1.4E-07	4.3E-07	2.5E-07	2.3E-07	1.0E-07	4.7E-09	1.1E-07	6.3E-09	0.0E+00	0.0E+00	1.3E-07
	UCART1	571230.6	4178118.99	571230.55, 4178118.99	0.77165	0.6612	4.20E-04	1.35E-06	4.21E-04	1.5E-07	4.4E-07	2.5E-07	2.3E-07	1.1E-07	4.9E-09	1.2E-07	6.5E-09	0.0E+00	0.0E+00	1.3E-07
	UCART1	571270.6	4178118.99	571270.55, 4178118.99	0.76364	0.7241	4.15E-04	1.47E-06	4.17E-04	1.4E-07	4.4E-07	2.5E-07	2.3E-07	1.0E-07	4.8E-09	1.2E-07	6.4E-09	0.0E+00	0.0E+00	1.3E-07
	UCART1	571310.6	4178118.99	571310.55, 4178118.99	0.73546	0.8536	4.00E-04	1.74E-06	4.02E-04	1.4E-07	4.2E-07	2.4E-07	2.2E-07	1.0E-07	4.6E-09	1.1E-07	6.2E-09	0.0E+00	0.0E+00	1.2E-07
	UCART1	571350.6	4178118.99	571350.55, 4178118.99	0.69317	1.0449	3.77E-04	2.13E-06	3.79E-04	1.3E-07	4.0E-07	2.3E-07	2.1E-07	9.5E-08	4.4E-09	1.1E-07	5.8E-09	0.0E+00	0.0E+00	1.2E-07
	UCART1	571390.6	4178118.99	571390.55, 4178118.99	0.64159	1.3427	3.49E-04	2.73E-06	3.52E-04	1.2E-07	3.7E-07	2.1E-07	1.9E-07	8.8E-08	4.1E-09	9.8E-08	5.4E-09	0.0E+00	0.0E+00	1.1E-07
	UCART1	571430.6	4178118.99	571430.55, 4178118.99	0.58559	1.3065	3.19E-04	2.66E-06	3.21E-04	1.1E-07	3.4E-07	1.9E-07	1.8E-07	8.0E-08	3.7E-09	9.0E-08	4.9E-09	0.0E+00	0.0E+00	9.8E-08
	UCART1	571470.6	4178118.99	571470.55, 4178118.99	0.52938	0.9931	2.88E-04	2.02E-06	2.90E-04	1.0E-07	3.0E-07	1.8E-07	1.6E-07	7.3E-08	3.4E-09	8.1E-08	4.5E-09	0.0E+00	0.0E+00	8.9E-08
	UCART1	571510.6	4178118.99	571510.55, 4178118.99	0.4768	0.7696	2.59E-04	1.57E-06	2.61E-04	9.0E-08	2.7E-07	1.6E-07	1.4E-07	6.5E-08	3.0E-09	7.3E-08	4.0E-09	0.0E+00	0.0E+00	8.0E-08
	UCART1	571550.6	4178118.99	571550.55, 4178118.99	0.42738	0.6183	2.33E-04	1.26E-06	2.34E-04	8.1E-08	2.4E-07	1.4E-07	1.3E-07	5.9E-08	2.7E-09	6.5E-08	3.6E-09	0.0E+00	0.0E+00	7.2E-08
	UCART1	571590.6	4178118.99	571590.55, 4178118.99	0.38235	0.5116	2.08E-04	1.04E-06	2.09E-04	7.2E-08	2.2E-07	1.3E-07	1.1E-07	5.2E-08	2.4E-09	5.8E-08	3.2E-09	0.0E+00	0.0E+00	6.4E-08
	UCART1	571630.6	4178118.99	571630.55, 4178118.99	0.34267	0.433	1.86E-04	8.82E-07	1.87E-04	6.5E-08	2.0E-07	1.1E-07	1.0E-07	4.7E-08	2.2E-09	5.2E-08	2.9E-09	0.0E+00	0.0E+00	5.7E-08
	UCART1	571670.6	4178118.99	571670.55, 4178118.99	0.30738	0.3725	1.67E-04	7.59E-07	1.68E-04	5.8E-08	1.8E-07	1.0E-07	9.2E-08	4.2E-08	1.9E-09	4.7E-08	2.6E-09	0.0E+00	0.0E+00	5.1E-08
	UCART1	571710.6	4178118.99	571710.55, 4178118.99	0.2761	0.3241	1.50E-04	6.60E-07	1.51E-04	5.2E-08	1.6E-07	9.1E-08	8.3E-08	3.8E-08	1.7E-09	4.2E-08	2.3E-09	0.0E+00	0.0E+00	4.6E-08
	UCART1	571750.6	4178118.99	571750.55, 4178118.99	0.24934	0.2857	1.36E-04	5.82E-07	1.36E-04	4.7E-08	1.4E-07	8.2E-08	7.5E-08	3.4E-08	1.6E-09	3.8E-08	2.1E-09	0.0E+00	0.0E+00	4.2E-08
	UCART1	571790.6	4178118.99	571790.55, 4178118.99	0.22597	0.2541	1.23E-04	5.18E-07	1.23E-04	4.3E-08	1.3E-07	7.5E-08	6.8E-08	3.1E-08	1.4E-09	3.4E-08	1.9E-09	0.0E+00	0.0E+00	3.8E-08
	UCART1	571830.6	4178118.99	571830.55, 4178118.99	0.20556	0.2277	1.12E-04	4.64E-07	1.12E-04	3.9E-08	1.2E-07	6.8E-08	6.2E-08	2.8E-08	1.3E-09	3.1E-08	1.7E-09	0.0E+00	0.0E+00	3.4E-08
	UCART1	571870.6	4178118.99	571870.55, 4178118.99	0.18782	0.2056	1.02E-04	4.19E-07	1.03E-04	3.6E-08	1.1E-07	6.2E-08	5.6E-08	2.6E-08	1.2E-09	2.9E-08	1.6E-09	0.0E+00	0.0E+00	3.1E-08
	UCART1	570230.6	4178158.99	570230.55, 4178158.99	0.06181	0.073	3.36E-05	1.49E-07	3.38E-05	1.2E-08	3.5E-08	2.0E-08	1.9E-08	8.5E-09	3.9E-10	9.4E-09	5.2E-10	0.0E+00	0.0E+00	1.0E-08

CONSTRUCTION RISK (UNMITIGATED)

UCART1	570270.6	4178158.99	570270.55, 4178158.99	0.06818	0.0811	3.71E-05	1.65E-07	3.73E-05	1.3E-08	3.9E-08	2.3E-08	2.0E-08	9.3E-09	4.3E-10	1.0E-08	5.7E-10	0.0E+00	0.0E+00	1.1E-08
UCART1	570310.6	4178158.99	570310.55, 4178158.99	0.07562	0.0907	4.11E-05	1.85E-07	4.13E-05	1.4E-08	4.3E-08	2.5E-08	2.3E-08	1.0E-08	4.8E-10	1.2E-08	6.4E-10	0.0E+00	0.0E+00	1.3E-08
UCART1	570350.6	4178158.99	570350.55, 4178158.99	0.08434	0.1022	4.59E-05	2.08E-07	4.61E-05	1.6E-08	4.8E-08	2.8E-08	2.5E-08	1.2E-08	5.3E-10	1.3E-08	7.1E-10	0.0E+00	0.0E+00	1.4E-08
UCART1	570390.6	4178158.99	570390.55, 4178158.99	0.09462	0.1162	5.15E-05	2.37E-07	5.17E-05	1.8E-08	5.4E-08	3.1E-08	2.8E-08	1.3E-08	6.0E-10	1.4E-08	8.0E-10	0.0E+00	0.0E+00	1.6E-08
UCART1	570430.6	4178158.99	570430.55, 4178158.99	0.10677	0.1335	5.81E-05	2.72E-07	5.84E-05	2.0E-08	6.1E-08	3.5E-08	3.2E-08	1.5E-08	6.7E-10	1.6E-08	9.0E-10	0.0E+00	0.0E+00	1.8E-08
UCART1	570470.6	4178158.99	570470.55, 4178158.99	0.1212	0.1554	6.59E-05	3.17E-07	6.63E-05	2.3E-08	6.9E-08	4.0E-08	3.6E-08	1.7E-08	7.7E-10	1.9E-08	1.0E-09	0.0E+00	0.0E+00	2.0E-08
UCART1	570510.6	4178158.99	570510.55, 4178158.99	0.13834	0.1839	7.53E-05	3.74E-07	7.56E-05	2.6E-08	7.9E-08	4.6E-08	4.1E-08	1.9E-08	8.7E-10	2.1E-08	1.2E-09	0.0E+00	0.0E+00	2.3E-08
UCART1	570550.6	4178158.99	570550.55, 4178158.99	0.15864	0.2218	8.63E-05	4.52E-07	8.68E-05	3.0E-08	9.1E-08	5.2E-08	4.8E-08	2.2E-08	1.0E-09	2.4E-08	1.3E-09	0.0E+00	0.0E+00	2.7E-08
UCART1	570590.6	4178158.99	570590.55, 4178158.99	0.18277	0.2754	9.94E-05	5.61E-07	1.00E-04	3.5E-08	1.0E-07	6.1E-08	5.5E-08	2.5E-08	1.2E-09	2.8E-08	1.5E-09	0.0E+00	0.0E+00	3.1E-08
UCART1	570630.6	4178158.99	570630.55, 4178158.99	0.2109	0.3541	1.15E-04	7.21E-07	1.15E-04	4.0E-08	1.2E-07	7.0E-08	6.3E-08	2.9E-08	1.3E-09	3.2E-08	1.8E-09	0.0E+00	0.0E+00	3.5E-08
UCART1	570670.6	4178158.99	570670.55, 4178158.99	0.24381	0.482	1.33E-04	9.82E-07	1.34E-04	4.6E-08	1.4E-07	8.1E-08	7.3E-08	3.3E-08	1.5E-09	3.7E-08	2.1E-09	0.0E+00	0.0E+00	4.1E-08
UCART1	570710.6	4178158.99	570710.55, 4178158.99	0.28189	0.7154	1.53E-04	1.46E-06	1.55E-04	5.4E-08	1.6E-07	9.4E-08	8.5E-08	3.9E-08	1.8E-09	4.3E-08	2.4E-09	0.0E+00	0.0E+00	4.7E-08
UCART1	570750.6	4178158.99	570750.55, 4178158.99	0.32624	1.2462	1.77E-04	2.54E-06	1.80E-04	6.2E-08	1.9E-07	1.1E-07	9.9E-08	4.5E-08	2.1E-09	5.0E-08	2.8E-09	0.0E+00	0.0E+00	5.5E-08
UCART1	570790.6	4178158.99	570790.55, 4178158.99	0.3783	3.1142	2.06E-04	6.34E-06	2.12E-04	7.3E-08	2.2E-07	1.3E-07	1.2E-07	5.3E-08	2.5E-09	5.9E-08	3.3E-09	0.0E+00	0.0E+00	6.5E-08
UCART1	570830.6	4178158.99	570830.55, 4178158.99	0.44075	6.1309	2.40E-04	1.25E-05	2.52E-04	8.7E-08	2.6E-07	1.5E-07	1.4E-07	6.3E-08	2.9E-09	7.0E-08	3.9E-09	0.0E+00	0.0E+00	7.7E-08
UCART1	570870.6	4178158.99	570870.55, 4178158.99	0.51672	3.4383	2.81E-04	7.00E-06	2.88E-04	1.0E-07	3.0E-07	1.7E-07	1.6E-07	7.2E-08	3.3E-09	8.0E-08	4.4E-09	0.0E+00	0.0E+00	8.8E-08
UCART1	570910.6	4178158.99	570910.55, 4178158.99	0.61101	2.193	3.32E-04	4.47E-06	3.37E-04	1.2E-07	3.5E-07	2.0E-07	1.8E-07	8.4E-08	3.9E-09	9.4E-08	5.2E-09	0.0E+00	0.0E+00	1.0E-07
UCART1	570950.6	4178158.99	570950.55, 4178158.99	0.72713	1.5605	3.96E-04	3.18E-06	3.99E-04	1.4E-07	4.2E-07	2.4E-07	2.2E-07	1.0E-07	4.6E-09	1.1E-07	6.1E-09	0.0E+00	0.0E+00	1.2E-07
UCART1	570990.6	4178158.99	570990.55, 4178158.99	0.85643	1.2035	4.66E-04	2.45E-06	4.68E-04	1.6E-07	4.9E-07	2.8E-07	2.6E-07	1.2E-07	5.4E-09	1.3E-07	7.2E-09	0.0E+00	0.0E+00	1.4E-07
UCART1	571030.6	4178158.99	571030.55, 4178158.99	0.96722	0.988	5.26E-04	2.01E-06	5.28E-04	1.8E-07	5.5E-07	3.2E-07	2.9E-07	1.3E-07	6.1E-09	1.5E-07	8.1E-09	0.0E+00	0.0E+00	1.6E-07
UCART1	571070.6	4178158.99	571070.55, 4178158.99	1.06244	0.8555	5.78E-04	1.74E-06	5.80E-04	2.0E-07	6.1E-07	3.5E-07	3.2E-07	1.5E-07	6.7E-09	1.6E-07	8.9E-09	0.0E+00	0.0E+00	1.8E-07
UCART1	571110.6	4178158.99	571110.55, 4178158.99	1.19969	0.7791	6.53E-04	1.59E-06	6.54E-04	2.3E-07	6.8E-07	4.0E-07	3.6E-07	1.6E-07	7.6E-09	1.8E-07	1.0E-08	0.0E+00	0.0E+00	2.0E-07
UCART1	571150.6	4178158.99	571150.55, 4178158.99	1.29223	0.7487	7.03E-04	1.52E-06	7.05E-04	2.4E-07	7.4E-07	4.3E-07	3.9E-07	1.8E-07	8.1E-09	2.0E-07	1.1E-08	0.0E+00	0.0E+00	2.2E-07
UCART1	571190.6	4178158.99	571190.55, 4178158.99	1.27963	0.7655	6.96E-04	1.56E-06	6.98E-04	2.4E-07	7.3E-07	4.2E-07	3.8E-07	1.7E-07	8.1E-09	1.9E-07	1.1E-08	0.0E+00	0.0E+00	2.1E-07
UCART1	571230.6	4178158.99	571230.55, 4178158.99	1.20799	0.8484	6.57E-04	1.73E-06	6.59E-04	2.3E-07	6.9E-07	4.0E-07	3.6E-07	1.6E-07	7.6E-09	1.8E-07	1.0E-08	0.0E+00	0.0E+00	2.0E-07
UCART1	571270.6	4178158.99	571270.55, 4178158.99	1.11289	1.0531	6.05E-04	2.14E-06	6.08E-04	2.1E-07	6.4E-07	3.7E-07	3.3E-07	1.5E-07	7.0E-09	1.7E-07	9.4E-09	0.0E+00	0.0E+00	1.9E-07
UCART1	571310.6	4178158.99	571310.55, 4178158.99	1.00795	1.5756	5.48E-04	3.21E-06	5.52E-04	1.9E-07	5.8E-07	3.3E-07	3.0E-07	1.4E-07	6.4E-09	1.5E-07	8.5E-09	0.0E+00	0.0E+00	1.7E-07
UCART1	571350.6	4178158.99	571350.55, 4178158.99	0.89909	2.2356	4.89E-04	4.55E-06	4.94E-04	1.7E-07	5.2E-07	3.0E-07	2.7E-07	1.2E-07	5.7E-09	1.4E-07	7.6E-09	0.0E+00	0.0E+00	1.5E-07
UCART1	571390.6	4178158.99	571390.55, 4178158.99	0.7935	4.9225	4.32E-04	1.00E-05	4.42E-04	1.5E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	5.1E-09	1.2E-07	6.8E-09	0.0E+00	0.0E+00	1.4E-07
UCART1	571430.6	4178158.99	571430.55, 4178158.99	0.69646	2.2825	3.79E-04	4.65E-06	3.84E-04	1.3E-07	4.0E-07	2.3E-07	2.1E-07	9.6E-08	4.4E-09	1.1E-07	5.9E-09	0.0E+00	0.0E+00	1.2E-07
UCART1	571470.6	4178158.99	571470.55, 4178158.99	0.60938	1.3749	3.32E-04	2.80E-06	3.34E-04	1.2E-07	3.5E-07	2.0E-07	1.8E-07	8.4E-08	3.9E-09	9.3E-08	5.1E-09	0.0E+00	0.0E+00	1.0E-07
UCART1	571510.6	4178158.99	571510.55, 4178158.99	0.53462	0.9637	2.91E-04	1.96E-06	2.93E-04	1.0E-07	3.1E-07	1.8E-07	1.6E-07	7.3E-08	3.4E-09	8.2E-08	4.5E-09	0.0E+00	0.0E+00	9.0E-08
UCART1	571550.6	4178158.99	571550.55, 4178158.99	0.47085	0.7334	2.56E-04	1.49E-06	2.58E-04	8.9E-08	2.7E-07	1.6E-07	1.4E-07	6.4E-08	3.0E-09	7.2E-08	4.0E-09	0.0E+00	0.0E+00	7.9E-08
UCART1	571590.6	4178158.99	571590.55, 4178158.99	0.41528	0.5862	2.26E-04	1.19E-06	2.27E-04	7.9E-08	2.4E-07	1.4E-07	1.2E-07	5.7E-08	2.6E-09	6.3E-08	3.5E-09	0.0E+00	0.0E+00	7.0E-08
UCART1	571630.6	4178158.99	571630.55, 4178158.99	0.36782	0.4844	2.00E-04	9.87E-07	2.01E-04	7.0E-08	2.1E-07	1.2E-07	1.1E-07	5.0E-08	2.3E-09	5.6E-08	3.1E-09	0.0E+00	0.0E+00	6.2E-08
UCART1	571670.6	4178158.99	571670.55, 4178158.99	0.32713	0.4098	1.78E-04	8.35E-07	1.79E-04	6.2E-08	1.9E-07	1.1E-07	9.8E-08	4.5E-08	2.1E-09	5.0E-08	2.8E-09	0.0E+00	0.0E+00	5.5E-08
UCART1	571710.6	4178158.99	571710.55, 4178158.99	0.29218	0.3524	1.59E-04	7.18E-07	1.60E-04	5.5E-08	1.7E-07	9.7E-08	8.8E-08	4.0E-08	1.8E-09	4.5E-08	2.5E-09	0.0E+00	0.0E+00	4.9E-08
UCART1	571750.6	4178158.99	571750.55, 4178158.99	0.2624	0.3072	1.43E-04	6.26E-07	1.43E-04	5.0E-08	1.5E-07	8.7E-08	7.9E-08	3.6E-08	1.7E-09	4.0E-08	2.2E-09	0.0E+00	0.0E+00	4.4E-08
UCART1	571790.6	4178158.99	571790.55, 4178158.99	0.23686	0.2709	1.29E-04	5.52E-07	1.29E-04	4.5E-08	1.4E-07	7.8E-08	7.1E-08	3.2E-08	1.5E-09	3.6E-08	2.0E-09	0.0E+00	0.0E+00	4.0E-08
UCART1	571830.6	4178158.99	571830.55, 4178158.99	0.215	0.2413	1.17E-04	4.91E-07	1.17E-04	4.1E-08	1.2E-07	7.1E-08	6.4E-08	2.9E-08	1.4E-09	3.3E-08	1.8E-09	0.0E+00	0.0E+00	3.6E-08
UCART1	571870.6	4178158.99	571870.55, 4178158.99	0.19603	0.2166	1.07E-04	4.41E-07	1.07E-04	3.7E-08	1.1E-07	6.5E-08	5.9E-08	2.7E-08	1.2E-09	3.0E-08	1.6E-09	0.0E+00	0.0E+00	3.3E-08
UCART1	570230.6	4178198.99	570230.55, 4178198.99	0.06258	0.0749	3.40E-05	1.52E-07	3.42E-05	1.2E-08	3.6E-08	2.1E-08	1.9E-08	8.6E-09	4.0E-10	9.5E-09	5.3E-10	0.0E+00	0.0E+00	1.0E-08
UCART1	570270.6	4178198.99	570270.55, 4178198.99	0.06918	0.0834	3.76E-05	1.70E-07	3.78E-05	1.3E-08	4.0E-08	2.3E-08	2.1E-08	9.5E-09	4.4E-10	1.1E-08	5.8E-10	0.0E+00	0.0E+00	1.2E-08
UCART1	570310.6	4178198.99	570310.55, 4178198.99	0.07694	0.0937	4.19E-05	1.91E-07	4.21E-05	1.5E-08	4.4E-08	2.5E-08	2.3E-08	1.1E-08	4.9E-10	1.2E-08	6.5E-10	0.0E+00	0.0E+00	1.3E-08
UCART1	570350.6	4178198.99	570350.55, 4178198.99	0.08613	0.106	4.69E-05	2.16E-07	4.71E-05	1.6E-08	4.9E-08	2.8E-08	2.6E-08	1.2E-08	5.4E-10	1.3E-08	7.3E-10	0.0E+00	0.0E+00	1.4E-08
UCART1	570390.6	4178198.99	570390.55, 4178198.99	0.09706	0.1212	5.28E-05	2.47E-07	5.31E-05	1.8E-08	5.5E-08	3.2E-08	2.9E-08	1.3E-08	6.1E-10	1.5E-08	8.2E-10	0.0E+00	0.0E+00	1.6E-08
UCART1	570430.6	4178198.99	570430.55, 4178198.99	0.11019	0.1401	6.00E-05	2.85E-07	6.02E-05	2.1E-08	6.3E-08	3.6E-08	3.3E-08	1.5E-08	7.0E-10	1.7E-08	9.3E-10	0.0E+00	0.0E+00	1.8E-08
UCART1	570470.6	4178198.99	570470.55, 4178198.99	0.12604	0.1641	6.86E-05	3.34E-07	6.89E-05	2.4E-08	7.2E-08	4.2E-08	3.8E-08	1.7E-08	8.0E-10	1.9E-08	1.1E-09	0.0E+00	0.0E+00	2.1E-08
UCART1	570510.6	4178198.99	570510.55, 4178198.99	0.14526	0.1956	7.90E-05	3.98E-07	7.94E-05	2.7E-08	8.3E-08	4.8E-08	4.4E-08	2.0E-08	9.2E-10	2.2E-08	1.2E-09	0.0E+00	0.0E+00	2.4E-08
UCART1	570550.6	4178198.99	570550.55, 4178198.99	0.1686	0.2378	9.17E-05	4.84E-07	9.22E-05	3.2E-08	9.6E-08	5.6E-08	5.1E-08	2.3E-08	1.1E-09	2.6E-08	1.4E-09	0.0E+00	0.0E+00	2.8E-08
UCART1	570590.6	4178198.99	570590.55, 4178198.99	0.19694	0.297	1.07E-04	6.05E-07	1.08E-04	3.7E-08	1.1E-07	6.5E-08	5.9E-08	2.7E-08	1.2E-09	3.0E-08	1.7E-09	0.0E+00	0.0E+00	3.3E-08
UCART1	570630.6	4178198.99	570630.55, 4178198.99	0.23145	0.3856	1.26E-04	7.85E-07	1.27E-04	4.4E-08	1.3E-07	7.7E-08	6.9E-08	3.2E-08	1.5E-09	3.5E-08	2.0E-09	0.0E+00	0.0E+00	3.9E-08
UCART1	570670.6	4178198.99	570670.55, 4178198.99	0.273	0.5286	1.49E-04	1.08E-06	1.50E-04	5.2E-08	1.6E-07	9.1E-08	8.2E-08	3.7E-08	1.7E-09	4.2E-08	2.3E-09	0.0E+00	0.0E+00	4.6E-08
UCART1	570710.6	4178198.99	570710.55, 4178198.99	0.3227	0.7919	1.76E-04	1.61E-06	1.77E-04	6.1E-08	1.9E-07	1.1E-07	9.7E-08	4.4E-08	2.0E-09	4.9E-08	2.7E-09	0.0E+00	0.0E+00	5.4E-08
UCART1	570750.6	4178198.99	570750.55, 4178198.99	0.3827	1.4113	2.08E-04	2.87E-06	2.11E-04	7.3E-08	2.2E-07	1.3E-07	1.2E-07	5.3E-08	2.4E-09	5.9E-08	3.3E-09	0.0E+00	0.0E+00	6.5E-08
UCART1	570790.6	4178198.99	570790.55, 4178198.99	0.45631	2.332	2.48E-04	4.75E-06	2.53E-04	8.8E-08	2.6E-07	1.5E-07	1.4E-07	6.3E-08	2.9E-09	7.1E-08	3.9E-09	0.0E+00	0.0E+00	7.7E-08
UCART1	570830.6	4178198.99	570830.55, 4178198.99	0.54935	5.6262	2.99E-04	1.15E-05	3.10E-04	1.1E-07	3.2E-07	1.9E-07	1.7E-07	7.8E-08	3.6E-09	8.7E-08	4.8E-09	0.0E+00	0.0E+00	9.5E-08
UCART1	570870.6	4178198.99	570870.55, 4178198.99	0.67024	3.2425	3.65E-04	6.60E-06	3.71E-04	1.3E-07	3.9E-07	2.2E-07	2.0E-07	9.3E-08	4.3E-09	1.0E-07	5.7E-09	0.0E+00	0.0E+00	1.1E-07
UCART1	570910.6	4178198.99	570910.55, 4178198.99	0.83344	2.1205	4.53E-04	4.32E-06	4.58E-04	1.6E-07	4.8E-07	2.8E-07	2.5E-07	1.1E-07	5.3E-09	1.3E-07	7.1E-09	0.0E+00	0.0E+00	1.4E-07
UCART1	570950.6	4178198.99	570950.55, 4178198.99	1.06989	1.544	5.82E-04	3.14E-06	5.85E-04	2.0E-07	6.1E-07	3.5E-07	3.2E-07	1.5E-07	6.8E-09	1.6E-07	9.0E-09	0.0E+00	0.0E+00	1.8E-07
UCART1	570990.6	4178198.99	570990.55, 4178198.99	1.45003	1.2172	7.89E-04	2.48E-06	7.91E-04	2.7E-07	8.3E-07	4.8E-07	4.3E-07	2.0E-07	9.1E-09	2.2E-07	1.2E-08	0.0E+00	0.0E+00	2.4E-07
UCART1	571030.6	4178198.99	571030.55, 4178198.99	2.01072	1.0227	1.09E-03	2.08E-06	1.10E-03	3.8E-07	1.1E-06	6.6E-07	6.0E-07	2.7E-07	1.3E-08	3.1E-07	1.7E-08	0.0E+00	0.0E+00	3.4E-07
UCART1	571070.6	4178198.99	571070.55, 4178198.99	2.75777	0.9096	1.50E-03	1.85E-06	1.50E-03	5.2E-07	1.6E-06	9.1E-07	8.2E-07	3.8E-07	1.7E-08	4.2E-07	2.3E-08	0.0E+00	0.0E+00	4.6E-07
UCART1	571110.6	4178198.99	571110.55, 4178198.99	2.97444	0.8581	1.62E-03	1.75E-06	1.62E-03	5.6E-07	1.7E-06	9.8E-07	8.9E-07	4.1E-07	1.9E-08	4.5E-07	2.5E-08	0.0E+00	0.0E+00	5.0E-07
UCART1	571150.6	4178198.99	571150.55, 4178198.99	2.6082	0.8656	1.42E-03	1.76E-06	1.42E-03	4.9E-07	1.5E-06	8.6E-07	7.8E-07	3.6E-07	1.6E-08	4.0E-07	2.2E-08	0.0E+00	0.0E+00	4.4E-07
UCART1	571190.6	4178198.99	571190.55, 4178198.99	2.21258	0.95	1.20E-03	1.93E-06	1.21E-03	4.2E-07	1.3E-06	7.3E-07	6.6E-07	3.0E-07	1.4E-08	3.4E-07	1.9E-08	0.0E+00	0.0E+00	3.7E-07
UCART1	571230.6	4178198.99	571230.55, 4178198.99	1.87829	1.1817	1.02E-03	2.41E-06	1.02E-03	3.5E-07	1.1E-06	6.2E-07	5.6E-07	2.6E-07	1.2E-08	2.9E-07	1.6E-08	0.0E+00	0.0E+00	3.1E-07
UCART1	571270.6	4178198.99	571270.55, 4178198.99	1.59356	1.7895	8.67E-04	3.64E-06	8.71E-04	3.0E-07	9.1E-07	5.3E-07	4.8E-07	2.2E-07	1.0E-08	2.4E-07	1.3E-08	0.0E+00	0.0E+00	2.7E-07
UCART1	571310.6	4178198.99	571310.55, 4178198.99	1.34397	3.6612	7.31E-04	7.46E-06	7.39E-04	2.6E-07	7.7E-07	4.5E-07	4.1E-07	1.8E-07	8.5E-09	2.1E-07	1.1E-08	0.0E+00	0.0E+00	2.3E-07
UCART1	571350.6	4178198.99	571350.55, 4178198.99	1.13061	6.8483	6.15E-04	1.39E-05	6.29E-04	2.2E-07	6.6E-07	3.8E-07	3.5E-07	1.6E-07	7.3E-09	1.8E-07	9.7E-09	0.0E+00	0.0E+00	1.9E-07
UCART1	571390.6	4178198.99	571390.55, 4178198.99	0.95326	3.744	5.19E-04	7.62E-06	5.26E-04	1.8E-07	5.5E-07	3.2E-07	2.9E-07	1.3E-07	6.1E-09	1.5E-07	8.1E-09	0.0E+00	0.0E+00	1.6E-07
UCART1	571430.6	4178198.99	571430.55, 4178198.99	0.80785	2.2433	4.40E-04	4.57E-06	4.44E-04	1.5E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	5.1E-09	1.2E-07	6.8E-09	0.0E+00	0.0E+00	1.4E-07
UCART1	571470.6	4178198.99	571470.55, 4178198.99	0.689	1.4763	3.75E-04	3.01E-06	3.78E-04	1.3E-07	3.9E-07	2.3E-07	2.1E-07	9.5E-08	4.4E-09	1.1E-07	5.8E-09	0.0E+00	0.0E+00	1.2E-07
UCART1	571510.6	4178198.99	571510.55, 4178198.99	0.59224	1.0545	3.22E-04	2.15E-06	3.24E-04	1.1E-07	3.4E-07	2.0E-07	1.8E-07	8.1E-08	3.7E-09	9.1E-08	5.0E-09	0.0E+00	0.0E+00	9.9E-08
UCART1	571550.6	4178198.99	571550.55, 4178198.99	0.51281	0.8008	2.79E-04	1.63E-06	2.81E-04	9.7E-08	2.9E-07	1.7E-07	1.5E-07	7.0E-08	3.2E-09	7.8E-08	4.3E-09	0.0E+00	0.0E+00	8.6E-08
UCART1	571590.6	4178198.99	571590.55, 4178198.99	0.44822	0.6363	2.44E-04	1.30E-06	2.45E-04	8.5E-08	2.6E-07	1.5E-07	1.3E-07	6.1E-08	2.8E-09	6.8E-08	3.8E-09	0.0E+00	0.0E+00	7.5E-08
UCART1	571630.6	4178198.99	571630.55, 4178198.99	0.39398	0.5219	2.14E-04	1.06E-06	2.15E-04	7.5E-08	2.3E-07	1.3E-07	1.2E-07	5.4E-08	2.5E-09	6.0E-08	3.3E-09	0.0E+00	0.0E+00	6.6E-08
UCART1	571670.6	4178198.99	571670.55, 4178198.99	0.34803	0.4382	1.89E-04	8.92E-07	1.90E-04	6.6E-08	2.0E-07	1.2E-07	1.0E-07	4.8E-08	2.2E-09	5.3E-08	2.9E-09	0.0E+00	0.0E+00	5.8E-08
UCART1	571710.6	4178198.99	571710.55, 4178198.99	0.30974	0.3747	1.69E-04	7.63E-07	1.69E-04	5.9E-08	1.8E-07	1.0E-07	9.3E-08	4.2E-08	2.0E-09	4.7E-08	2.6E-09	0.0E+00	0.0E+00	5.2E-08
UCART1	571750.6	4178198.99	571750.55, 4178198.99	0.27711	0.3246	1.51E-04	6.61E-07	1.51E-04	5.2E-08	1.6E-07	9.2E-08	8.3E-08	3.8E-08	1.8E-09	4.2E-08	2.3E-09	0.0E+00	0.0E+00	4.6E-08
UCART1	571790.6	4178198.99	571790.55, 4178198.99	0.2495	0.2849	1.36E-04	5.80E-07	1.36E-04	4.7E-08	1.4E-07	8.2E-08	7.5E-08	3.4E-08	1.6E-09	3.8E-08	2.1E-09	0.0E+00	0.0E+00	4.2E-08
UCART1	571830.6	4178198.99	571830.55, 4178198.99	0.22597	0.2526	1.23E-04	5.14E-07	1.23E-04	4.3E-08	1.3E-07	7.5E-08	6.8E-08	3.1E-08	1.4E-09	3.4E-08	1.9E-09	0.0E+00	0.0E+00	3.8E-08
UCART1	571870.6	4178198.99	571870.55, 4178198.99	0.20579	0.2261	1.12E-04	4.60E-07	1.12E-04	3.9E-08	1.2E-07	6.8E-08	6.2E-08	2.8E-08	1.3E-09	3.1E-08	1.7E-09	0.0E+00	0.0E+00	3.4E-08
UCART1	570230.6	4178238.99	570230.55, 4178238.99	0.06331	0.0766	3.44E-05	1.56E-07	3.46E-05	1.2E-08	3.6E-08	2.1E-08	1.9E-08	8.7E-09	4.0E-10	9.7E-09	5.3E-10	0.0E+00	0.0E+00	1.1E-08
UCART1	570270.6	4178238.99	570270.55, 4178238.99	0.0701	0.0857	3.81E-05	1.74E-07	3.83E-05	1.3E-08	4.0E-08	2.3E-08	2.1E-08	9.6E-09	4.4E-10	1.1E-08	5.9E-10	0.0E+00	0.0E+00	1.2E-08
UCART1	570310.6	4178238.99	570310.55, 4178238.99	0.07814	0.0965	4.25E-05	1.97E-07	4.27E-05	1.5E-08	4.5E-08	2.6E-08	2.3E-08	1.1E-08	4.9E-10	1.2E-08	6.6E-10	0.0E+00	0.0E+00	1.3E-08
UCART1	570350.6	4178238.99	570350.55, 4178238.99	0.08771	0.1097	4.77E-05	2.23E-07	4.79E-05	1.7E-08	5.0E-08	2.9E-08	2.6E-08	1.2E-08	5.5E-10	1.3E-08	7.4E-10	0.0E+00	0.0E+00	1.5E-08
UCART1	570390.6	4178238.99	570390.55, 4178238.99	0.09922	0.1259	5.40E-05	2.56E-07	5.42E-05	1.9E-08	5.7E-08	3.3E-08	3.0E-08	1.4E-08	6.3E-10	1.5E-08	8.4E-10	0.0E+00	0.0E+00	1.7E-08
UCART1	570430.6	4178238.99	570430.55, 4178238.99	0.11319	0.1462	6.16E-05	2.98E-07	6.19E-05	2.1E-08	6.5E-08	3.7E-08	3.4E-08	1.5E-08	7.2E-10	1.7E-08	9.5E-10	0.0E+00	0.0E+00	1.9E-08
UCART1	570470.6	4178238.99	570470.55, 4178238.99	0.13034	0.1723	7.09E-05	3.51E-07	7.13E-05	2.5E-08	7.4E-08	4.3E-08	3.9E-08	1.8E-08	8.2E-10	2.0E-08	1.1E-09	0.0E+00	0.0E+00	2.2E-08
UCART1	570510.6	4178238.99	570510.55, 4178238.99	0.1515	0.2064	8.24E-05	4.20E-07	8.28E-05	2.9E-08	8.7E-08	5.0E-08	4.5E-08	2.1E-08	9.6E-10	2.3E-08	1.3E-09	0.0E+00	0.0E+00	2.5E-08
UCART1	570550.6	4178238.99	570550.55, 4178238.99	0.17787	0.2525	9.68E-05	5.14E-07	9.73E-05	3.4E-08	1.0E-07	5.9E-08	5.3E-08	2.4E-08	1.1E-09	2.7E-08	1.5E-09	0.0E+00	0.0E+00	3.0E-08
UCART1	570590.6	4178238.99	570590.55, 4178238.99	0.21093	0.3177	1.15E-04	6.47E-07	1.15E-04	4.0E-08	1.2E-07	7.0E-08	6.3E-08	2.9E-08	1.3E-09	3.2E-08	1.8E-09	0.0E+00	0.0E+00	3.5E-08
UCART1	570630.6	4178238.99	570630.55, 4178238.99	0.25231	0.4145	1.37E-04	8.44E-07	1.38E-04	4.8E-08	1.4E-07	8.4E-08	7.6E-08	3.5E-08	1.6E-09	3.9E-08	2.1E-09	0.0E+00	0.0E+00	4.2E-08
UCART1	570670.6	4178238.99	570670.55, 4178238.99	0.30431	0.5734	1.66E-04	1.17E-06	1.67E-04	5.8E-08	1.7E-07	1.0E-07	9.1E-08	4.2E-08	1.9E-09	4.7E-08	2.6E-09	0.0E+00	0.0E+00	5.1E-08
UCART1	570710.6	4178238.99	570710.55, 4178238.99	0.36906	0.8715	2.01E-04	1.77E-06	2.03E-04	7.0E-08	2.1E-07	1.2E-07	1.1E-07	5.1E-08	2.3E-09	5.7E-08	3.1E-09	0.0E+00	0.0E+00	6.2E-08
UCART1	570750.6	4178238.99	570750.55, 4178238.99	0.45025	1.6016	2.45E-04	3.26E-06	2.48E-04	8.6E-08	2.6E-07	1.5E-07	1.4E-07	6.2E-08	2.9E-09	6.9E-08	3.8E-09	0.0E+00	0.0E+00	7.6E-08
UCART1	570790.6	4178238.99	570790.55, 4178238.99	0.55458	2.704	3.02E-04	5.51E-06	3.07E-04	1.1E-07	3.2E-07	1.9E-07	1.7E-07	7.7E-08	3.6E-09	8.6E-08	4.7E-09	0.0E+00	0.0E+00	9.4E-08
UCART1	570830.6	4178238.99	570830.55, 4178238.99	0.69426	5.1762	3.78E-04	1.05E-05	3.88E-04	1.3E-07	4.1E-07	2.3E-07	2.1E-07	9.7E-08	4.5E-09	1.1E-07	6.0E-09	0.0E+00	0.0E+00	1.2E-07
UCART1	570870.6	4178238.99	570870.55, 4178238.99	0.89173	3.0498	4.85E-04	6.21E-06	4.91E-04	1.7E-07	5.1E-07	3.0E-07	2.7E-07	1.2E-07	5.7E-09	1.4E-07	7.6E-09	0.0E+00	0.0E+00	1.5E-07
UCART1	570910.6	4178238.99	570910.55, 4178238.99	1.18188	2.0452	6.43E-04	4.16E-06	6.47E-04	2.2E-07	6.8E-07	3.9E-07	3.5E-07	1.6E-07	7.5E-09	1.8E-07	1.0E-08	0.0E+00	0.0E+00	2.0E-07
UCART1	570950.6	4178238.99	570950.55, 4178238.99	1.66528	1.5234	9.06E-04	3.10E-06	9.09E-04	3.1E-07	9.5E-07	5.5E-07	5.0E-07	2.3E-07	1.1E-08	2.5E-07	1.4E-08	0.0E+00	0.0E+00	2.8E-07
UCART1	570990.6	4178238.99	570990.55, 4178238.99	2.66124	1.231	1.45E-03	2.51E-06	1.45E-03	5.0E-07	1.5E-06	8.8E-07	8.0E-07	3.6E-07	1.7E-08	4.0E-07	2.2E-08	0.0E+00	0.0E+00	4.4E-07
UCART1	571030.6	4178238.99	571030.55, 4178238.99	3.70937	1.0633	2.02E-03	2.17E-06	2.02E-03	7.0E-07	2.1E-06	1.2E-06	1.1E-06	5.1E-07	2.3E-08	5.6E-07	3.1E-08	0.0E+00	0.0E+00	6.2E-07
UCART1	571110.6	4178238.99	571110.55, 4178238.99	8.50718	0.9677	4.63E-03	1.97E-06	4.63E-03	1.6E-06	4.8E-06	2.8E-06	2.5E-06	1.2E-06	5.4E-08	1.3E-06	7.1E-08	0.0E+00	0.0E+00	1.4E-06
UCART1	571150.6	4178238.99	571150.55, 4178238.99	5.4602	1.0452	2.97E-03	2.13E-06	2.97E-03	1.0E-06	3.1E-06	1.8E-06	1.6E-06	7.4E-07	3.4E-08	8.3E-07	4.6E-08	0.0E+00	0.0E+00	9.1E-07
UCART1	571190.6	4178238.99	571190.55, 4178238.99	3.87694	1.2825	2.11E-03	2.61E-06	2.11E-03	7.3E-07	2.2E-06	1.3E-06	1.2E-06	5.3E-07	2.4E-08	5.9E-07	3.3E-08	0.0E+00	0.0E+00	6.5E-07
UCART1	571230.6	4178238.99	571230.55, 4178238.99	2.8991	1.9257	1.58E-03	3.92E-06	1.58E-03	5.5E-07	1.7E-06	9.6E-07	8.7E-07	4.0E-07	1.8E-08	4.4E-07	2.4E-08	0.0E+00	0.0E+00	4.8E-07
UCART1	571270.6	4178238.99	571270.55, 4178238.99	2.21435	3.1229	1.20E-03	6.36E-06	1.21E-03	4.2E-07	1.3E-06	7.3E-07	6.6E-07	3.0E-07	1.4E-08	3.4E-07	1.9E-08	0.0E+00	0.0E+00	3.7E-07
UCART1	571310.6	4178238.99	571310.55, 4178238.99	1.72781	7.1813	9.40E-04	1.46E-05	9.55E-04	3.3E-07	1.0E-06	5.8E-07	5.2E-07	2.4E-07	1.1E-08	2.7E-07	1.5E-08	0.0E+00	0.0E+00	2.9E-07
UCART1	571350.6	4178238.99	571350.55, 4178238.99	1.37619	4.2109	7.49E-04	8.58E-06	7.57E-04	2.6E-07	7.9E-07	4.6E-07	4.2E-07	1.9E-07	8.8E-09	2.1E-07	1.2E-08	0.0E+00	0.0E+00	2.3E-07
UCART1	571390.6	4178238.99	571390.55, 4178238.99	1.11406	2.6878	6.06E-04	5.47E-06	6.12E-04	2.1E-07	6.4E-07	3.7E-07	3.4E-07	1.5E-07	7.1E-09	1.7E-07	9.4E-09	0.0E+00	0.0E+00	1.9E-07
UCART1	571430.6	4178238.99	571430.55, 4178238.99	0.91867	1.8381	5.00E-04	3.74E-06	5.04E-04	1.7E-07	5.3E-07	3.0E-07	2.8E-07	1.3E-07	5.8E-09	1.4E-07	7.8E-09	0.0E+00	0.0E+00	1.5E-07
UCART1	571470.6	4178238.99	571470.55, 4178238.99	0.76807	1.3309	4.18E-04	2.71E-06	4.21E-04	1.5E-07	4.4E-07	2.5E-07	2.3E-07	1.1E-07	4.9E-09	1.2E-07	6.5E-09	0.0E+00	0.0E+00	1.3E-07
UCART1	571510.6	4178238.99	571510.55, 4178238.99	0.65082	1.0096	3.54E-04	2.06E-06	3.56E-04	1.2E-07	3.7E-07	2.2E-07	2.0E-07	8.9E-08	4.1E-09	9.9E-08	5.5E-09	0.0E+00	0.0E+00	1.1E-07
UCART1	571550.6	4178238.99	571550.55, 4178238.99	0.55771	0.7945	3.03E-04	1.62E-06	3.05E-04	1.1E-07	3.2E-07	1.8E-07	1.7E-07	7.6E-08	3.5E-09	8.5E-08	4.7E-09	0.0E+00	0.0E+00	9.3E-08

CONSTRUCTION RISK (UNMITIGATED)

UCART1	571590.6	4178238.99	571590.55, 4178238.99	0.48216	0.6432	2.62E-04	1.31E-06	2.64E-04	9.1E-08	2.8E-07	1.6E-07	1.4E-07	6.6E-08	3.0E-09	7.4E-08	4.1E-09	0.0E+00	0.0E+00	8.1E-08
UCART1	571630.6	4178238.99	571630.55, 4178238.99	0.42115	0.533	2.29E-04	1.09E-06	2.30E-04	8.0E-08	2.4E-07	1.4E-07	1.3E-07	5.8E-08	2.7E-09	6.4E-08	3.5E-09	0.0E+00	0.0E+00	7.0E-08
UCART1	571670.6	4178238.99	571670.55, 4178238.99	0.37126	0.4502	2.02E-04	9.17E-07	2.03E-04	7.0E-08	2.1E-07	1.2E-07	1.1E-07	5.1E-08	2.3E-09	5.7E-08	3.1E-09	0.0E+00	0.0E+00	6.2E-08
UCART1	571710.6	4178238.99	571710.55, 4178238.99	0.32912	0.3859	1.79E-04	7.86E-07	1.80E-04	6.2E-08	1.9E-07	1.1E-07	9.9E-08	4.5E-08	2.1E-09	5.0E-08	2.8E-09	0.0E+00	0.0E+00	5.5E-08
UCART1	571750.6	4178238.99	571750.55, 4178238.99	0.29344	0.3345	1.60E-04	6.81E-07	1.60E-04	5.6E-08	1.7E-07	9.7E-08	8.8E-08	4.0E-08	1.9E-09	4.5E-08	2.5E-09	0.0E+00	0.0E+00	4.9E-08
UCART1	571790.6	4178238.99	571790.55, 4178238.99	0.26385	0.2939	1.44E-04	5.99E-07	1.44E-04	5.0E-08	1.5E-07	8.7E-08	7.9E-08	3.6E-08	1.7E-09	4.0E-08	2.2E-09	0.0E+00	0.0E+00	4.4E-08
UCART1	571830.6	4178238.99	571830.55, 4178238.99	0.23828	0.2603	1.30E-04	5.30E-07	1.30E-04	4.5E-08	1.4E-07	7.9E-08	7.1E-08	3.3E-08	1.5E-09	3.6E-08	2.0E-09	0.0E+00	0.0E+00	4.0E-08
UCART1	571870.6	4178238.99	571870.55, 4178238.99	0.21644	0.2326	1.18E-04	4.74E-07	1.18E-04	4.1E-08	1.2E-07	7.2E-08	6.5E-08	3.0E-08	1.4E-09	3.3E-08	1.8E-09	0.0E+00	0.0E+00	3.6E-08
UCART1	570230.6	4178278.99	570230.55, 4178278.99	0.06406	0.0783	3.49E-05	1.59E-07	3.50E-05	1.2E-08	3.7E-08	2.1E-08	1.9E-08	8.8E-09	4.0E-10	9.8E-09	5.4E-10	0.0E+00	0.0E+00	1.1E-08
UCART1	570270.6	4178278.99	570270.55, 4178278.99	0.07101	0.0878	3.86E-05	1.79E-07	3.88E-05	1.3E-08	4.1E-08	2.3E-08	2.1E-08	9.7E-09	4.5E-10	1.1E-08	6.0E-10	0.0E+00	0.0E+00	1.2E-08
UCART1	570310.6	4178278.99	570310.55, 4178278.99	0.07925	0.0992	4.31E-05	2.02E-07	4.33E-05	1.5E-08	4.5E-08	2.6E-08	2.4E-08	1.1E-08	5.0E-10	1.2E-08	6.7E-10	0.0E+00	0.0E+00	1.3E-08
UCART1	570350.6	4178278.99	570350.55, 4178278.99	0.08915	0.1131	4.85E-05	2.30E-07	4.87E-05	1.7E-08	5.1E-08	2.9E-08	2.7E-08	1.2E-08	5.6E-10	1.4E-08	7.5E-10	0.0E+00	0.0E+00	1.5E-08
UCART1	570390.6	4178278.99	570390.55, 4178278.99	0.10113	0.1303	5.50E-05	2.65E-07	5.53E-05	1.9E-08	5.8E-08	3.3E-08	3.0E-08	1.4E-08	6.4E-10	1.5E-08	8.5E-10	0.0E+00	0.0E+00	1.7E-08
UCART1	570430.6	4178278.99	570430.55, 4178278.99	0.11583	0.1519	6.30E-05	3.09E-07	6.33E-05	2.2E-08	6.6E-08	3.8E-08	3.5E-08	1.6E-08	7.3E-10	1.8E-08	9.8E-10	0.0E+00	0.0E+00	1.9E-08
UCART1	570470.6	4178278.99	570470.55, 4178278.99	0.13406	0.1796	7.29E-05	3.66E-07	7.33E-05	2.5E-08	7.7E-08	4.4E-08	4.0E-08	1.8E-08	8.5E-10	2.0E-08	1.1E-09	0.0E+00	0.0E+00	2.2E-08
UCART1	570510.6	4178278.99	570510.55, 4178278.99	0.15699	0.216	8.54E-05	4.40E-07	8.59E-05	3.0E-08	9.0E-08	5.2E-08	4.7E-08	2.1E-08	9.9E-10	2.4E-08	1.3E-09	0.0E+00	0.0E+00	2.6E-08
UCART1	570550.6	4178278.99	570550.55, 4178278.99	0.18622	0.2656	1.01E-04	5.41E-07	1.02E-04	3.5E-08	1.1E-07	6.2E-08	5.6E-08	2.5E-08	1.2E-09	2.8E-08	1.6E-09	0.0E+00	0.0E+00	3.1E-08
UCART1	570590.6	4178278.99	570590.55, 4178278.99	0.22391	0.3358	1.22E-04	6.84E-07	1.23E-04	4.2E-08	1.3E-07	7.4E-08	6.7E-08	3.1E-08	1.4E-09	3.4E-08	1.9E-09	0.0E+00	0.0E+00	3.8E-08
UCART1	570630.6	4178278.99	570630.55, 4178278.99	0.27298	0.4414	1.49E-04	8.99E-07	1.49E-04	5.2E-08	1.6E-07	9.0E-08	8.2E-08	3.7E-08	1.7E-09	4.2E-08	2.3E-09	0.0E+00	0.0E+00	4.6E-08
UCART1	570670.6	4178278.99	570670.55, 4178278.99	0.33705	0.6153	1.83E-04	1.25E-06	1.85E-04	6.4E-08	1.9E-07	1.1E-07	1.0E-07	4.6E-08	2.1E-09	5.2E-08	2.8E-09	0.0E+00	0.0E+00	5.7E-08
UCART1	570710.6	4178278.99	570710.55, 4178278.99	0.42084	0.9502	2.29E-04	1.93E-06	2.31E-04	8.0E-08	2.4E-07	1.4E-07	1.3E-07	5.8E-08	2.7E-09	6.4E-08	3.6E-09	0.0E+00	0.0E+00	7.1E-08
UCART1	570750.6	4178278.99	570750.55, 4178278.99	0.53145	1.827	2.89E-04	3.72E-06	2.93E-04	1.0E-07	3.1E-07	1.8E-07	1.6E-07	7.3E-08	3.4E-09	8.2E-08	4.5E-09	0.0E+00	0.0E+00	9.0E-08
UCART1	570790.6	4178278.99	570790.55, 4178278.99	0.67989	2.846	3.70E-04	5.80E-06	3.76E-04	1.3E-07	3.9E-07	2.3E-07	2.1E-07	9.4E-08	4.3E-09	1.0E-07	5.8E-09	0.0E+00	0.0E+00	1.2E-07
UCART1	570830.6	4178278.99	570830.55, 4178278.99	0.8927	4.6206	4.86E-04	9.41E-06	4.95E-04	1.7E-07	5.2E-07	3.0E-07	2.7E-07	1.2E-07	5.7E-09	1.4E-07	7.6E-09	0.0E+00	0.0E+00	1.5E-07
UCART1	570870.6	4178278.99	570870.55, 4178278.99	1.22195	2.8269	6.65E-04	5.76E-06	6.71E-04	2.3E-07	7.0E-07	4.1E-07	3.7E-07	1.7E-07	7.8E-09	1.9E-07	1.0E-08	0.0E+00	0.0E+00	2.1E-07
UCART1	570910.6	4178278.99	570910.55, 4178278.99	1.80856	1.9626	9.84E-04	4.00E-06	9.88E-04	3.4E-07	1.0E-06	6.0E-07	5.4E-07	2.5E-07	1.1E-08	2.8E-07	1.5E-08	0.0E+00	0.0E+00	3.0E-07
UCART1	570950.6	4178278.99	570950.55, 4178278.99	2.94466	1.5083	1.60E-03	3.07E-06	1.61E-03	5.6E-07	1.7E-06	9.7E-07	8.8E-07	4.0E-07	1.9E-08	4.5E-07	2.5E-08	0.0E+00	0.0E+00	4.9E-07
UCART1	571150.6	4178278.99	571150.55, 4178278.99	8.08141	1.3739	4.40E-03	2.80E-06	4.40E-03	1.5E-06	4.6E-06	2.7E-06	2.4E-06	1.1E-06	5.1E-08	1.2E-06	6.8E-08	0.0E+00	0.0E+00	1.3E-06
UCART1	571190.6	4178278.99	571190.55, 4178278.99	6.57433	2.0215	3.58E-03	4.12E-06	3.58E-03	1.2E-06	3.7E-06	2.2E-06	2.0E-06	9.0E-07	4.1E-08	1.0E-06	5.5E-08	0.0E+00	0.0E+00	1.1E-06
UCART1	571230.6	4178278.99	571230.55, 4178278.99	4.16032	3.1495	2.26E-03	6.41E-06	2.27E-03	7.9E-07	2.4E-06	1.4E-06	1.2E-06	5.7E-07	2.6E-08	6.3E-07	3.5E-08	0.0E+00	0.0E+00	7.0E-07
UCART1	571270.6	4178278.99	571270.55, 4178278.99	2.86022	7.3241	1.56E-03	1.49E-05	1.57E-03	5.4E-07	1.6E-06	9.5E-07	8.6E-07	3.9E-07	1.8E-08	4.4E-07	2.4E-08	0.0E+00	0.0E+00	4.8E-07
UCART1	571310.6	4178278.99	571310.55, 4178278.99	2.10083	4.3372	1.14E-03	8.83E-06	1.15E-03	4.0E-07	1.2E-06	7.0E-07	6.3E-07	2.9E-07	1.3E-08	3.2E-07	1.8E-08	0.0E+00	0.0E+00	3.5E-07
UCART1	571350.6	4178278.99	571350.55, 4178278.99	1.60593	2.8843	8.74E-04	5.87E-06	8.80E-04	3.0E-07	9.2E-07	5.3E-07	4.8E-07	2.2E-07	1.0E-08	2.5E-07	1.4E-08	0.0E+00	0.0E+00	2.7E-07
UCART1	571390.6	4178278.99	571390.55, 4178278.99	1.26543	2.0367	6.88E-04	4.15E-06	6.93E-04	2.4E-07	7.2E-07	4.2E-07	3.8E-07	1.7E-07	8.0E-09	1.9E-07	1.1E-08	0.0E+00	0.0E+00	2.1E-07
UCART1	571430.6	4178278.99	571430.55, 4178278.99	1.02225	1.5078	5.56E-04	3.07E-06	5.59E-04	1.9E-07	5.8E-07	3.4E-07	3.1E-07	1.4E-07	6.5E-09	1.6E-07	8.6E-09	0.0E+00	0.0E+00	1.7E-07
UCART1	571470.6	4178278.99	571470.55, 4178278.99	0.84413	1.1606	4.59E-04	2.36E-06	4.62E-04	1.6E-07	4.8E-07	2.8E-07	2.5E-07	1.2E-07	5.3E-09	1.3E-07	7.1E-09	0.0E+00	0.0E+00	1.4E-07
UCART1	571510.6	4178278.99	571510.55, 4178278.99	0.70659	0.92	3.84E-04	1.87E-06	3.86E-04	1.3E-07	4.0E-07	2.3E-07	2.1E-07	9.7E-08	4.5E-09	1.1E-07	6.0E-09	0.0E+00	0.0E+00	1.2E-07
UCART1	571550.6	4178278.99	571550.55, 4178278.99	0.6008	0.7475	3.27E-04	1.52E-06	3.28E-04	1.1E-07	3.4E-07	2.0E-07	1.8E-07	8.2E-08	3.8E-09	9.2E-08	5.1E-09	0.0E+00	0.0E+00	1.0E-07
UCART1	571590.6	4178278.99	571590.55, 4178278.99	0.5172	0.6197	2.81E-04	1.26E-06	2.83E-04	9.8E-08	3.0E-07	1.7E-07	1.6E-07	7.1E-08	3.3E-09	7.9E-08	4.4E-09	0.0E+00	0.0E+00	8.7E-08
UCART1	571630.6	4178278.99	571630.55, 4178278.99	0.44926	0.5219	2.44E-04	1.06E-06	2.45E-04	8.5E-08	2.6E-07	1.5E-07	1.3E-07	6.1E-08	2.8E-09	6.9E-08	3.8E-09	0.0E+00	0.0E+00	7.5E-08
UCART1	571670.6	4178278.99	571670.55, 4178278.99	0.39458	0.446	2.15E-04	9.08E-07	2.16E-04	7.5E-08	2.3E-07	1.3E-07	1.2E-07	5.4E-08	2.5E-09	6.0E-08	3.3E-09	0.0E+00	0.0E+00	6.6E-08
UCART1	571710.6	4178278.99	571710.55, 4178278.99	0.34897	0.3856	1.90E-04	7.85E-07	1.91E-04	6.6E-08	2.0E-07	1.2E-07	1.0E-07	4.8E-08	2.2E-09	5.3E-08	2.9E-09	0.0E+00	0.0E+00	5.8E-08
UCART1	571750.6	4178278.99	571750.55, 4178278.99	0.31052	0.3366	1.69E-04	6.85E-07	1.70E-04	5.9E-08	1.8E-07	1.0E-07	9.3E-08	4.2E-08	2.0E-09	4.7E-08	2.6E-09	0.0E+00	0.0E+00	5.2E-08
UCART1	571790.6	4178278.99	571790.55, 4178278.99	0.27846	0.2968	1.52E-04	6.04E-07	1.52E-04	5.3E-08	1.6E-07	9.2E-08	8.3E-08	3.8E-08	1.8E-09	4.2E-08	2.3E-09	0.0E+00	0.0E+00	4.7E-08
UCART1	571830.6	4178278.99	571830.55, 4178278.99	0.25102	0.2636	1.37E-04	5.37E-07	1.37E-04	4.7E-08	1.4E-07	8.3E-08	7.5E-08	3.4E-08	1.6E-09	3.8E-08	2.1E-09	0.0E+00	0.0E+00	4.2E-08
UCART1	571870.6	4178278.99	571870.55, 4178278.99	0.22751	0.2359	1.24E-04	4.80E-07	1.24E-04	4.3E-08	1.3E-07	7.5E-08	6.8E-08	3.1E-08	1.4E-09	3.5E-08	1.9E-09	0.0E+00	0.0E+00	3.8E-08
UCART1	570230.6	4178318.99	570230.55, 4178318.99	0.06483	0.0798	3.53E-05	1.62E-07	3.54E-05	1.2E-08	3.7E-08	2.1E-08	1.9E-08	8.9E-09	4.1E-10	9.9E-09	5.5E-10	0.0E+00	0.0E+00	1.1E-08
UCART1	570270.6	4178318.99	570270.55, 4178318.99	0.07192	0.0897	3.91E-05	1.83E-07	3.93E-05	1.4E-08	4.1E-08	2.4E-08	2.2E-08	9.8E-09	4.5E-10	1.1E-08	6.1E-10	0.0E+00	0.0E+00	1.2E-08
UCART1	570310.6	4178318.99	570310.55, 4178318.99	0.08035	0.1016	4.37E-05	2.07E-07	4.39E-05	1.5E-08	4.6E-08	2.7E-08	2.4E-08	1.1E-08	5.1E-10	1.2E-08	6.8E-10	0.0E+00	0.0E+00	1.3E-08
UCART1	570350.6	4178318.99	570350.55, 4178318.99	0.09051	0.1161	4.92E-05	2.37E-07	4.95E-05	1.7E-08	5.2E-08	3.0E-08	2.7E-08	1.2E-08	5.7E-10	1.4E-08	7.6E-10	0.0E+00	0.0E+00	1.5E-08
UCART1	570390.6	4178318.99	570390.55, 4178318.99	0.10288	0.1342	5.60E-05	2.73E-07	5.62E-05	1.9E-08	5.9E-08	3.4E-08	3.1E-08	1.4E-08	6.5E-10	1.6E-08	8.7E-10	0.0E+00	0.0E+00	1.7E-08
UCART1	570430.6	4178318.99	570430.55, 4178318.99	0.11816	0.1568	6.43E-05	3.19E-07	6.46E-05	2.2E-08	6.8E-08	3.9E-08	3.5E-08	1.6E-08	7.5E-10	1.8E-08	1.0E-09	0.0E+00	0.0E+00	2.0E-08
UCART1	570470.6	4178318.99	570470.55, 4178318.99	0.13731	0.1859	7.47E-05	3.79E-07	7.51E-05	2.6E-08	7.8E-08	4.5E-08	4.1E-08	1.9E-08	8.7E-10	2.1E-08	1.2E-09	0.0E+00	0.0E+00	2.3E-08
UCART1	570510.6	4178318.99	570510.55, 4178318.99	0.16173	0.2243	8.80E-05	4.57E-07	8.84E-05	3.1E-08	9.2E-08	5.4E-08	4.9E-08	2.2E-08	1.0E-09	2.5E-08	1.4E-09	0.0E+00	0.0E+00	2.7E-08
UCART1	570550.6	4178318.99	570550.55, 4178318.99	0.19344	0.2765	1.05E-04	5.63E-07	1.06E-04	3.7E-08	1.1E-07	6.4E-08	5.8E-08	2.6E-08	1.2E-09	3.0E-08	1.6E-09	0.0E+00	0.0E+00	3.2E-08
UCART1	570590.6	4178318.99	570590.55, 4178318.99	0.23547	0.3511	1.28E-04	7.15E-07	1.29E-04	4.5E-08	1.3E-07	7.8E-08	7.1E-08	3.2E-08	1.5E-09	3.6E-08	2.0E-09	0.0E+00	0.0E+00	3.9E-08
UCART1	570630.6	4178318.99	570630.55, 4178318.99	0.29233	0.4648	1.59E-04	9.46E-07	1.60E-04	5.5E-08	1.7E-07	9.7E-08	8.8E-08	4.0E-08	1.8E-09	4.5E-08	2.5E-09	0.0E+00	0.0E+00	4.9E-08
UCART1	570670.6	4178318.99	570670.55, 4178318.99	0.37028	0.6557	2.01E-04	1.34E-06	2.03E-04	7.0E-08	2.1E-07	1.2E-07	1.1E-07	5.1E-08	2.3E-09	5.7E-08	3.1E-09	0.0E+00	0.0E+00	6.2E-08
UCART1	570710.6	4178318.99	570710.55, 4178318.99	0.47836	1.038	2.60E-04	2.11E-06	2.62E-04	9.1E-08	2.7E-07	1.6E-07	1.4E-07	6.6E-08	3.0E-09	7.3E-08	4.0E-09	0.0E+00	0.0E+00	8.0E-08
UCART1	570750.6	4178318.99	570750.55, 4178318.99	0.61742	2.0985	3.36E-04	4.27E-06	3.40E-04	1.2E-07	3.6E-07	2.1E-07	1.9E-07	8.5E-08	3.9E-09	9.5E-08	5.2E-09	0.0E+00	0.0E+00	1.0E-07
UCART1	570790.6	4178318.99	570790.55, 4178318.99	0.83822	2.9522	4.56E-04	6.01E-06	4.62E-04	1.6E-07	4.8E-07	2.8E-07	2.5E-07	1.2E-07	5.3E-09	1.3E-07	7.1E-09	0.0E+00	0.0E+00	1.4E-07
UCART1	570830.6	4178318.99	570830.55, 4178318.99	1.18912	4.1222	6.47E-04	8.39E-06	6.55E-04	2.3E-07	6.8E-07	4.0E-07	3.6E-07	1.6E-07	7.6E-09	1.8E-07	1.0E-08	0.0E+00	0.0E+00	2.0E-07
UCART1	570870.6	4178318.99	570870.55, 4178318.99	1.78481	2.6326	9.71E-04	5.36E-06	9.76E-04	3.4E-07	1.0E-06	5.9E-07	5.4E-07	2.4E-07	1.1E-08	2.7E-07	1.5E-08	0.0E+00	0.0E+00	3.0E-07
UCART1	570910.6	4178318.99	570910.55, 4178318.99	3.10653	1.8992	1.69E-03	3.87E-06	1.69E-03	5.9E-07	1.8E-06	1.0E-06	9.3E-07	4.2E-07	2.0E-08	4.7E-07	2.6E-08	0.0E+00	0.0E+00	5.2E-07
UCART1	571190.6	4178318.99	571190.55, 4178318.99	7.95991	3.2162	4.33E-03	6.55E-06	4.34E-03	1.5E-06	4.5E-06	2.6E-06	2.4E-06	1.1E-06	5.0E-08	1.2E-06	6.7E-08	0.0E+00	0.0E+00	1.3E-06
UCART1	571230.6	4178318.99	571230.55, 4178318.99	4.81976	7.3999	2.62E-03	1.51E-05	2.64E-03	9.1E-07	2.8E-06	1.6E-06	1.4E-06	6.6E-07	3.0E-08	7.4E-07	4.1E-08	0.0E+00	0.0E+00	8.1E-07
UCART1	571270.6	4178318.99	571270.55, 4178318.99	3.22944	4.4205	1.76E-03	9.00E-06	1.77E-03	6.1E-07	1.8E-06	1.1E-06	9.7E-07	4.4E-07	2.0E-08	4.9E-07	2.7E-08	0.0E+00	0.0E+00	5.4E-07
UCART1	571310.6	4178318.99	571310.55, 4178318.99	2.31979	2.9903	1.26E-03	6.09E-06	1.27E-03	4.4E-07	1.3E-06	7.7E-07	7.0E-07	3.2E-07	1.5E-08	3.5E-07	2.0E-08	0.0E+00	0.0E+00	3.9E-07
UCART1	571350.6	4178318.99	571350.55, 4178318.99	1.74986	2.1522	9.52E-04	4.38E-06	9.56E-04	3.3E-07	1.0E-06	5.8E-07	5.2E-07	2.4E-07	1.1E-08	2.7E-07	1.5E-08	0.0E+00	0.0E+00	2.9E-07
UCART1	571390.6	4178318.99	571390.55, 4178318.99	1.36795	1.6196	7.44E-04	3.30E-06	7.48E-04	2.6E-07	7.8E-07	4.5E-07	4.1E-07	1.9E-07	8.6E-09	2.1E-07	1.2E-08	0.0E+00	0.0E+00	2.3E-07
UCART1	571430.6	4178318.99	571430.55, 4178318.99	1.09801	1.263	5.97E-04	2.57E-06	6.00E-04	2.1E-07	6.3E-07	3.6E-07	3.3E-07	1.5E-07	6.9E-09	1.7E-07	9.2E-09	0.0E+00	0.0E+00	1.8E-07
UCART1	571470.6	4178318.99	571470.55, 4178318.99	0.90098	1.0122	4.90E-04	2.06E-06	4.92E-04	1.7E-07	5.1E-07	3.0E-07	2.7E-07	1.2E-07	5.7E-09	1.4E-07	7.6E-09	0.0E+00	0.0E+00	1.5E-07
UCART1	571510.6	4178318.99	571510.55, 4178318.99	0.75212	0.8286	4.09E-04	1.69E-06	4.11E-04	1.4E-07	4.3E-07	2.5E-07	2.3E-07	1.0E-07	4.7E-09	1.1E-07	6.3E-09	0.0E+00	0.0E+00	1.3E-07
UCART1	571550.6	4178318.99	571550.55, 4178318.99	0.63634	0.6896	3.46E-04	1.40E-06	3.48E-04	1.2E-07	3.6E-07	2.1E-07	1.9E-07	8.7E-08	4.0E-09	9.7E-08	5.4E-09	0.0E+00	0.0E+00	1.1E-07
UCART1	571590.6	4178318.99	571590.55, 4178318.99	0.5453	0.5822	2.97E-04	1.19E-06	2.98E-04	1.0E-07	3.1E-07	1.8E-07	1.6E-07	7.5E-08	3.4E-09	8.3E-08	4.6E-09	0.0E+00	0.0E+00	9.1E-08
UCART1	571630.6	4178318.99	571630.55, 4178318.99	0.4731	0.4981	2.57E-04	1.01E-06	2.58E-04	8.9E-08	2.7E-07	1.6E-07	1.4E-07	6.5E-08	3.0E-09	7.2E-08	4.0E-09	0.0E+00	0.0E+00	7.9E-08
UCART1	571670.6	4178318.99	571670.55, 4178318.99	0.41416	0.4307	2.25E-04	8.77E-07	2.26E-04	7.8E-08	2.4E-07	1.4E-07	1.2E-07	5.7E-08	2.6E-09	6.3E-08	3.5E-09	0.0E+00	0.0E+00	6.9E-08
UCART1	571710.6	4178318.99	571710.55, 4178318.99	0.36569	0.376	1.99E-04	7.66E-07	2.00E-04	6.9E-08	2.1E-07	1.2E-07	1.1E-07	5.0E-08	2.3E-09	5.6E-08	3.1E-09	0.0E+00	0.0E+00	6.1E-08
UCART1	571750.6	4178318.99	571750.55, 4178318.99	0.32558	0.3313	1.77E-04	6.75E-07	1.78E-04	6.2E-08	1.9E-07	1.1E-07	9.8E-08	4.5E-08	2.1E-09	5.0E-08	2.7E-09	0.0E+00	0.0E+00	5.4E-08
UCART1	571790.6	4178318.99	571790.55, 4178318.99	0.29107	0.2936	1.58E-04	5.98E-07	1.59E-04	5.5E-08	1.7E-07	9.6E-08	8.7E-08	4.0E-08	1.8E-09	4.4E-08	2.4E-09	0.0E+00	0.0E+00	4.9E-08
UCART1	571830.6	4178318.99	571830.55, 4178318.99	0.26197	0.2621	1.43E-04	5.34E-07	1.43E-04	5.0E-08	1.5E-07	8.7E-08	7.8E-08	3.6E-08	1.7E-09	4.0E-08	2.2E-09	0.0E+00	0.0E+00	4.4E-08
UCART1	571870.6	4178318.99	571870.55, 4178318.99	0.23731	0.2357	1.29E-04	4.80E-07	1.30E-04	4.5E-08	1.4E-07	7.8E-08	7.1E-08	3.2E-08	1.5E-09	3.6E-08	2.0E-09	0.0E+00	0.0E+00	4.0E-08
UCART1	570230.6	4178358.99	570230.55, 4178358.99	0.06562	0.0812	3.57E-05	1.65E-07	3.59E-05	1.2E-08	3.7E-08	2.2E-08	2.0E-08	9.0E-09	4.1E-10	1.0E-08	5.5E-10	0.0E+00	0.0E+00	1.1E-08
UCART1	570270.6	4178358.99	570270.55, 4178358.99	0.07283	0.0914	3.96E-05	1.86E-07	3.98E-05	1.4E-08	4.2E-08	2.4E-08	2.2E-08	1.0E-08	4.6E-10	1.1E-08	6.1E-10	0.0E+00	0.0E+00	1.2E-08
UCART1	570310.6	4178358.99	570310.55, 4178358.99	0.08137	0.1037	4.43E-05	2.11E-07	4.45E-05	1.5E-08	4.6E-08	2.7E-08	2.4E-08	1.1E-08	5.1E-10	1.2E-08	6.9E-10	0.0E+00	0.0E+00	1.4E-08
UCART1	570350.6	4178358.99	570350.55, 4178358.99	0.09181	0.1187	5.00E-05	2.42E-07	5.02E-05	1.7E-08	5.2E-08	3.0E-08	2.8E-08	1.3E-08	5.8E-10	1.4E-08	7.7E-10	0.0E+00	0.0E+00	1.5E-08
UCART1	570390.6	4178358.99	570390.55, 4178358.99	0.10453	0.1374	5.69E-05	2.80E-07	5.72E-05	2.0E-08	6.0E-08	3.5E-08	3.1E-08	1.4E-08	6.6E-10	1.6E-08	8.8E-10	0.0E+00	0.0E+00	1.7E-08
UCART1	570430.6	4178358.99	570430.55, 4178358.99	0.12032	0.161	6.55E-05	3.28E-07	6.58E-05	2.3E-08	6.9E-08	4.0E-08	3.6E-08	1.6E-08	7.6E-10	1.8E-08	1.0E-09	0.0E+00	0.0E+00	2.0E-08
UCART1	570470.6	4178358.99	570470.55, 4178358.99	0.14021	0.1911	7.63E-05	3.89E-07	7.67E-05	2.7E-08	8.0E-08	4.6E-08	4.2E-08	1.9E-08	8.9E-10	2.1E-08	1.2E-09	0.0E+00	0.0E+00	2.3E-08
UCART1	570510.6	4178358.99	570510.55, 4178358.99	0.16584	0.2309	9.02E-05	4.70E-07	9.07E-05	3.1E-08	9.5E-08	5.5E-08	5.0E-08	2.3E-08	1.0E-09	2.5E-08	1.4E-09	0.0E+00	0.0E+00	2.8E-08
UCART1	570550.6	4178358.99	570550.55, 4178358.99	0.1996	0.2851	1.09E-04	5.81E-07	1.09E-04	3.8E-08	1.1E-07	6.6E-08	6.0E-08	2.7E-08	1.3E-09	3.0E-08	1.7E-09	0.0E+00	0.0E+00	3.3E-08
UCART1	570590.6	4178358.99	570590.55, 4178358.99	0.24534	0.363	1.33E-04	7.39E-07	1.34E-04	4.6E-08	1.4E-07	8.1E-08	7.4E-08	3.4E-08	1.6E-09	3.7E-08	2.1E-09	0.0E+00	0.0E+00	4.1E-08
UCART1	570630.6	4178358.99	570630.55, 4178358.99	0.30915	0.4827	1.68E-04	9.83E-07	1.69E-04	5.9E-08	1.8E-07	1.0E-07	9.3E-08	4.2E-08	2.0E-09	4.7E-08	2.6E-09	0.0E+00	0.0E+00	5.2E-08
UCART1	570670.6	4178358.99	570670.55, 4178358.99	0.40091	0.6864	2.18E-04	1.40E-06	2.20E-04	7.6E-08	2.3E-07	1.3E-07	1.2E-07	5.5E-08	2.5E-09	6.1E-08	3.4E-09	0.0E+00	0.0E+00	6.7E-08
UCART1	570710.6	4178358.99	570710.55, 4178358.99	0.53738	1.0995	2.92E-04	2.24E-06	2.95E-04	1.0E-07	3.1E-07	1.8E-07	1.6E-07	7.4E-08	3.4E-09	8.2E-08	4.5E-09	0.0E+00	0.0E+00	9.0E-08
UCART1	570750.6	4178358.99	570750.55, 4178358.99	0.74278	2.3232	4.04E-04	4.73E-06	4.09E-04	1.4E-07	4.3E-07	2.5E-07	2.2E-07	1.0E-07	4.7E-09	1.1E-07	6.3E-09	0.0E+00	0.0E+00	1.3E-07
UCART1	570790.6	4178358.99	570790.55, 4178358.99	1.03198	4.6071	5.61E-04	9.38E-06	5.71E-04	2.0E-07	6.0E-07	3.5E-07	3.1E-07	1.4E-07	6.6E-09	1.6E-07	8.8E-09	0.0E+00	0.0E+00	1.7E-07
UCART1	570830.6	4178358.99	570830.55, 4178358.99	1.63993	3.6216	8.92E-04	7.38E-06	9.00E-04	3.1E-07	9.4E-07	5.4E-07	4.9E-07	2.3E-07	1.0E-08	2.5E-07	1.4E-08	0.0E+00	0.0E+00	2.8E-07
UCART1	570870.6	4178358.99	570870.55, 4178358.99	2.91634	2.4729	1.59E-03	5.04E-06	1.59E-03	5.5E-07	1.7E-06	9.6E-07	8.7E-07	4.0E-07	1.8E-08	4.4E-07	2.5E-08	0.0E+00	0.0E+00	4.9E-07
UCART1	571150.6	4178358.99	571150.55, 4178358.99	10.3649	4.1427	5.64E-03	8.44E-06	5.65E-03	2.0E-06	5.9E-06	3.4E-06	3.1E-06	1.4E-06	6.5E-08	1.6E-06	8.7E-08	0.0E+00	0.0E+00	1.7E-06
UCART1	571190.6	4178358.99	571190.55, 4178358.99	6.92854	7.5087	3.77E-03	1.53E-05	3.78E-03	1.3E-06	4.0E-06	2.3E-06	2.1E-06	9.5E-07	4.4E-08	1.1E-06	5.8E-08	0.0E+00	0.0E+00	1.2E-06
UCART1	571230.6	4178358.99	571230.55, 4178358.99	4.46215	4.5208	2.43E-03	9.21E-06	2.44E-03	8.4E-07	2.5E-06	1.5E-06	1.3E-06	6.1E-07	2.8E-08	6.8E-07	3.8E-08	0.0E+00	0.0E+00	7.5E-07
UCART1	571270.6	4178358.99	571270.55, 4178358.99	3.11045	3.0684	1.69E-03	6.25E-06	1.70E-03	5.9E-07	1.8E-06	1.0E-06	9.3E-07	4.3E-07	2.0E-08	4.7E-07	2.6E-08	0.0E+00	0.0E+00	5.2E-07
UCART1	571310.6	4178358.99	571310.55, 4178358.99	2.29156	2.2292	1.25E-03	4.54E-06	1.25E-03	4.3E-07	1.3E-06	7.6E-07	6.9E-07	3.1E-07	1.4E-08	3.5E-07	1.9E-08	0.0E+00	0.0E+00	3.8E-07
UCART1	571350.6	4178358.99	571350.55, 4178358.99	1.75797	1.6959	9.56E-04	3.45E-06	9.60E-04	3.3E-07	1.0E-06	5.8E-07	5.3E-07	2.4E-07	1.1E-08	2.7E-07	1.5E-08	0.0E+00	0.0E+00	2.9E-07
UCART1	571390.6	4178358.99	571390.55, 4178358.99	1.3881	1.335	7.55E-04	2.72E-06	7.58E-04	2.6E-07	7.9E-07	4.6E-07	4.2E-07	1.9E-07	8.8E-09	2.1E-07	1.2E-08	0.0E+00	0.0E+00	2.3E-07
UCART1	571430.6	4178358.99	571430.55, 4178358.99	1.12177	1.0786	6.10E-04	2.20E-06	6.13E-04	2.1E-07	6.4E-07	3.7E-07	3.4E-07	1.5E-07	7.1E-09	1.7E-07	9.4E-09	0.0E+00	0.0E+00	1.9E-07
UCART1	571470.6	4178358.99	571470.55, 4178358.99	0.92393	0.8892	5.03E-04	1.81E-06	5.04E-04	1.7E-07	5.3E-07	3.1E-07	2.8E-07	1.3E-07	5.8E-09	1.4E-07	7.8E-09	0.0E+00	0.0E+00	1.5E-07
UCART1	571510.6	4178358.99	571510.55, 4178358.99	0.77354	0.7448	4.21E-04	1.52E-06	4.22E-04	1.5E-07	4.4E-07	2.6E-07	2.3E-07	1.1E-07	4.9E-09	1.2E-07	6.5E-09	0.0E+00	0.0E+00	1.3E-07
UCART1	571550.6	4178358.99	571550.55, 4178358.99	0.6562	0.6319	3.57E-04	1.29E-06	3.58E-04	1.2E-07	3.7E-07	2.2E-07	2.0E-07	9.0E-08	4.1E-09	1.0E-07	5.5E-09	0.0E+00	0.0E+00	1.1E-07
UCART1	571590.6	4178358.99	571590.55, 4178358.99	0.5619	0.5413	3.06E-04	1.10E-06	3.07E-04	1.1E-07	3.2E-07	1.9E-07	1.7E-07	7.7E-08	3.5E-09	8.6E-08	4.7E-09	0.0E+00	0.0E+00	9.4E-08
UCART1	571630.6	4178358.99	571630.55, 4178358.99	0.48789	0.469	2.65E-04	9.55E-07	2.66E-04	9.2E-08	2.8E-07	1.6E-07	1.5E-07	6.7E-08	3.1E-09	7.4E-08	4.1E-09	0.0E+00	0.0E+00	8.2E-08
UCART1	571670.6	4178358.99	571670.55, 4178358.99	0.42752	0.4101	2.33E-04	8.35E-07	2.33E-04	8.1E-08	2.4E-07	1.4E-07	1.3E-07	5.8E-08	2.7E-09	6.5E-08	3.6E-09	0.0E+00	0.0E+00	7.1E-08
UCART1	571710.6	4178358.99	571710.55, 4178358.99	0.37796	0.3616	2.06E-04	7.36E-07	2.06E-04	7.1E-08	2.2E-07	1.2E-07	1.1E-07	5.2E-08	2.4E-09	5.8E-08	3.2E-09	0.0E+00	0.0E+00	6.3E-08

OPERATIONAL RISK (UNMITIGATED)

OPERATIONAL RISK (UNMITIGATED)

Unmitigated			
Onsite Circulation	**Idle**	**Offsite**	**Fire Pump**
6.34E-07	2.58E-08	1.19E-06	2.45E-02

	Discrete Receptor ID	X	Y	X, Y	Operations Concentration (AVERAGE CONC) [ug/m^3] at 1 g/s				Concentration (AVERAGE CONC) [ug/m^3]				Unmitigated Total	Residential Dose					Risk by Age Group					
					Onsite Trucks	**Idle**	**Offsite**	**Fire Pump**	**Onsite Trucks**	**Idle**	**Offsite**	**Fire Pump**		**3rd Tri**	**0<2**	**2<9**	**9<16**	**16<30**	**3rd Tri**	**0<2**	**2<9**	**9<16**	**16<30**	**Total Risk**
1	UCART1	570230.6	4177838.99	570230.55, 4177838.99	1.12247	1.20186	1.21001	0.00051	7.12E-07	3.11E-08	1.44E-06	1.25E-05	1.47E-05	5.1E-09	1.5E-08	8.9E-09	8.0E-09	3.7E-09	1.7E-10	4.1E-09	2.1E-09	1.9E-09	5.8E-10	8.9E-09
2	UCART1	570270.6	4177838.99	570270.55, 4177838.99	1.18554	1.27234	1.28951	0.00052	7.52E-07	3.29E-08	1.53E-06	1.27E-05	1.50E-05	5.2E-09	1.6E-08	9.1E-09	8.2E-09	3.8E-09	1.7E-10	4.2E-09	2.2E-09	2.0E-09	5.9E-10	9.1E-09
3	UCART1	570310.6	4177838.99	570310.55, 4177838.99	1.24929	1.34313	1.3762	0.00052	7.92E-07	3.47E-08	1.63E-06	1.27E-05	1.52E-05	5.3E-09	1.6E-08	9.2E-09	8.3E-09	3.8E-09	1.8E-10	4.2E-09	2.2E-09	2.0E-09	6.0E-10	9.2E-09
4	UCART1	570350.6	4177838.99	570350.55, 4177838.99	1.31322	1.41345	1.4713	0.0005	8.33E-07	3.65E-08	1.75E-06	1.22E-05	1.49E-05	5.1E-09	1.6E-08	9.0E-09	8.1E-09	3.7E-09	1.7E-10	4.1E-09	2.1E-09	1.9E-09	5.9E-10	9.0E-09
5	UCART1	570390.6	4177838.99	570390.55, 4177838.99	1.37657	1.48216	1.57583	0.00049	8.73E-07	3.83E-08	1.87E-06	1.20E-05	1.48E-05	5.1E-09	1.5E-08	8.9E-09	8.1E-09	3.7E-09	1.7E-10	4.1E-09	2.1E-09	1.9E-09	5.8E-10	8.9E-09
6	UCART1	570430.6	4177838.99	570430.55, 4177838.99	1.43869	1.54855	1.69154	0.00048	9.12E-07	4.00E-08	2.01E-06	1.17E-05	1.47E-05	5.1E-09	1.5E-08	8.9E-09	8.1E-09	3.7E-09	1.7E-10	4.1E-09	2.1E-09	1.9E-09	5.8E-10	8.9E-09
7	UCART1	570470.6	4177838.99	570470.55, 4177838.99	1.4995	1.61249	1.82102	0.00047	9.51E-07	4.17E-08	2.16E-06	1.15E-05	1.47E-05	5.1E-09	1.5E-08	8.9E-09	8.0E-09	3.7E-09	1.7E-10	4.1E-09	2.1E-09	1.9E-09	5.8E-10	8.9E-09
8	UCART1	570510.6	4177838.99	570510.55, 4177838.99	1.55654	1.67117	1.96188	0.00047	9.87E-07	4.32E-08	2.33E-06	1.15E-05	1.49E-05	5.1E-09	1.6E-08	9.0E-09	8.2E-09	3.7E-09	1.7E-10	4.1E-09	2.1E-09	1.9E-09	5.9E-10	9.0E-09
9	UCART1	570550.6	4177838.99	570550.55, 4177838.99	1.6153	1.73145	2.12858	0.00047	1.02E-06	4.48E-08	2.53E-06	1.15E-05	1.51E-05	5.2E-09	1.6E-08	9.1E-09	8.3E-09	3.8E-09	1.7E-10	4.2E-09	2.2E-09	2.0E-09	6.0E-10	9.1E-09
10	UCART1	570590.6	4177838.99	570590.55, 4177838.99	1.67088	1.78784	2.31166	0.00045	1.06E-06	4.62E-08	2.75E-06	1.10E-05	1.49E-05	5.1E-09	1.6E-08	9.0E-09	8.2E-09	3.7E-09	1.7E-10	4.1E-09	2.1E-09	1.9E-09	5.9E-10	9.0E-09
11	UCART1	570630.6	4177838.99	570630.55, 4177838.99	1.72383	1.84165	2.50959	0.00042	1.09E-06	4.76E-08	2.98E-06	1.03E-05	1.44E-05	5.0E-09	1.5E-08	8.7E-09	7.9E-09	3.6E-09	1.7E-10	4.0E-09	2.1E-09	1.9E-09	5.7E-10	8.7E-09
12	UCART1	570670.6	4177838.99	570670.55, 4177838.99	1.77554	1.89491	2.71799	0.00038	1.13E-06	4.90E-08	3.23E-06	9.30E-06	1.37E-05	4.7E-09	1.4E-08	8.3E-09	7.5E-09	3.4E-09	1.6E-10	3.8E-09	2.0E-09	1.8E-09	5.4E-10	8.3E-09
13	UCART1	570710.6	4177838.99	570710.55, 4177838.99	1.82721	1.94945	2.92608	0.00034	1.16E-06	5.04E-08	3.48E-06	8.32E-06	1.30E-05	4.5E-09	1.4E-08	7.9E-09	7.1E-09	3.3E-09	1.5E-10	3.6E-09	1.9E-09	1.7E-09	5.1E-10	7.9E-09
14	UCART1	570750.6	4177838.99	570750.55, 4177838.99	1.8801	2.00692	3.12653	0.00031	1.19E-06	5.19E-08	3.71E-06	7.59E-06	1.25E-05	4.3E-09	1.3E-08	7.6E-09	6.9E-09	3.1E-09	1.4E-10	3.5E-09	1.8E-09	1.6E-09	5.0E-10	7.6E-09
15	UCART1	570790.6	4177838.99	570790.55, 4177838.99	1.93511	2.06817	3.33296	0.00029	1.23E-06	5.35E-08	3.96E-06	7.10E-06	1.23E-05	4.3E-09	1.3E-08	7.5E-09	6.8E-09	3.1E-09	1.4E-10	3.4E-09	1.8E-09	1.6E-09	4.9E-10	7.5E-09
16	UCART1	570830.6	4177838.99	570830.55, 4177838.99	1.9934	2.13386	3.56088	0.00029	1.26E-06	5.52E-08	4.23E-06	7.10E-06	1.26E-05	4.4E-09	1.3E-08	7.7E-09	6.9E-09	3.2E-09	1.5E-10	3.5E-09	1.8E-09	1.6E-09	5.0E-10	7.6E-09
17	UCART1	570870.6	4177838.99	570870.55, 4177838.99	2.05391	2.20195	3.75864	0.00029	1.30E-06	5.69E-08	4.46E-06	7.10E-06	1.29E-05	4.5E-09	1.4E-08	7.8E-09	7.1E-09	3.2E-09	1.5E-10	3.6E-09	1.9E-09	1.7E-09	5.1E-10	7.8E-09
18	UCART1	570910.6	4177838.99	570910.55, 4177838.99	2.1169	2.27204	3.86542	0.0003	1.34E-06	5.87E-08	4.59E-06	7.34E-06	1.33E-05	4.6E-09	1.4E-08	8.1E-09	7.3E-09	3.3E-09	1.5E-10	3.7E-09	1.9E-09	1.7E-09	5.3E-10	8.1E-09
19	UCART1	570950.6	4177838.99	570950.55, 4177838.99	2.18173	2.3431	3.87283	0.00031	1.38E-06	6.06E-08	4.60E-06	7.59E-06	1.36E-05	4.7E-09	1.4E-08	8.2E-09	7.5E-09	3.4E-09	1.6E-10	3.8E-09	2.0E-09	1.8E-09	5.4E-10	8.2E-09
20	UCART1	570990.6	4177838.99	570990.55, 4177838.99	2.24822	2.41521	3.8047	0.00031	1.43E-06	6.24E-08	4.52E-06	7.59E-06	1.36E-05	4.7E-09	1.4E-08	8.2E-09	7.5E-09	3.4E-09	1.6E-10	3.8E-09	2.0E-09	1.8E-09	5.4E-10	8.2E-09
21	UCART1	571030.6	4177838.99	571030.55, 4177838.99	2.3155	2.48733	3.69061	0.00033	1.47E-06	6.43E-08	4.38E-06	8.08E-06	1.40E-05	4.8E-09	1.5E-08	8.5E-09	7.7E-09	3.5E-09	1.6E-10	3.9E-09	2.0E-09	1.8E-09	5.5E-10	8.5E-09
22	UCART1	571070.6	4177838.99	571070.55, 4177838.99	2.38203	2.55703	3.55607	0.00034	1.51E-06	6.61E-08	4.22E-06	8.32E-06	1.41E-05	4.9E-09	1.5E-08	8.5E-09	7.7E-09	3.5E-09	1.6E-10	3.9E-09	2.0E-09	1.8E-09	5.6E-10	8.5E-09
23	UCART1	571110.6	4177838.99	571110.55, 4177838.99	2.44535	2.62041	3.41808	0.00036	1.55E-06	6.77E-08	4.06E-06	8.81E-06	1.45E-05	5.0E-09	1.5E-08	8.8E-09	7.9E-09	3.6E-09	1.7E-10	4.0E-09	2.1E-09	1.9E-09	5.7E-10	8.8E-09
24	UCART1	571150.6	4177838.99	571150.55, 4177838.99	2.50211	2.67268	3.28615	0.00038	1.59E-06	6.91E-08	3.90E-06	9.30E-06	1.49E-05	5.1E-09	1.6E-08	9.0E-09	8.1E-09	3.7E-09	1.7E-10	4.1E-09	2.1E-09	1.9E-09	5.9E-10	9.0E-09
25	UCART1	571190.6	4177838.99	571190.55, 4177838.99	2.55131	2.71247	3.16939	0.00043	1.62E-06	7.01E-08	3.76E-06	1.05E-05	1.60E-05	5.5E-09	1.7E-08	9.7E-09	8.8E-09	4.0E-09	1.8E-10	4.5E-09	2.3E-09	2.1E-09	6.3E-10	9.7E-09
26	UCART1	571230.6	4177838.99	571230.55, 4177838.99	2.58578	2.73206	3.06327	0.00047	1.64E-06	7.06E-08	3.64E-06	1.15E-05	1.68E-05	5.8E-09	1.8E-08	1.0E-08	9.2E-09	4.2E-09	1.9E-10	4.7E-09	2.4E-09	2.2E-09	6.7E-10	1.0E-08
27	UCART1	571270.6	4177838.99	571270.55, 4177838.99	2.60721	2.73453	2.97493	0.00054	1.65E-06	7.07E-08	3.53E-06	1.32E-05	1.85E-05	6.4E-09	1.9E-08	1.1E-08	1.0E-08	4.6E-09	2.1E-10	5.2E-09	2.7E-09	2.4E-09	7.3E-10	1.1E-08
28	UCART1	571310.6	4177838.99	571310.55, 4177838.99	2.6075	2.7138	2.89375	0.00065	1.65E-06	7.02E-08	3.44E-06	1.59E-05	2.11E-05	7.3E-09	2.2E-08	1.3E-08	1.2E-08	5.3E-09	2.4E-10	5.9E-09	3.0E-09	2.7E-09	8.3E-10	1.3E-08
29	UCART1	571350.6	4177838.99	571350.55, 4177838.99	2.58808	2.67393	2.8178	0.00079	1.64E-06	6.91E-08	3.35E-06	1.93E-05	2.44E-05	8.4E-09	2.5E-08	1.5E-08	1.3E-08	6.1E-09	2.8E-10	6.8E-09	3.5E-09	3.2E-09	9.6E-10	1.5E-08
30	UCART1	571390.6	4177838.99	571390.55, 4177838.99	2.55162	2.61997	2.74451	0.00096	1.62E-06	6.77E-08	3.26E-06	2.35E-05	2.84E-05	9.8E-09	3.0E-08	1.7E-08	1.6E-08	7.1E-09	3.3E-10	7.9E-09	4.1E-09	3.7E-09	1.1E-09	1.7E-08
31	UCART1	571430.6	4177838.99	571430.55, 4177838.99	2.50242	2.55695	2.66946	0.00119	1.59E-06	6.61E-08	3.17E-06	2.91E-05	3.39E-05	1.2E-08	3.5E-08	2.1E-08	1.9E-08	8.5E-09	3.9E-10	9.5E-09	4.9E-09	4.4E-09	1.3E-09	2.1E-08
32	UCART1	571470.6	4177838.99	571470.55, 4177838.99	2.44453	2.48853	2.58892	0.00144	1.55E-06	6.43E-08	3.08E-06	3.52E-05	3.99E-05	1.4E-08	4.2E-08	2.4E-08	2.2E-08	1.0E-08	4.6E-10	1.1E-08	5.7E-09	5.2E-09	1.6E-09	2.4E-08
33	UCART1	571510.6	4177838.99	571510.55, 4177838.99	2.38081	2.41673	2.50314	0.00169	1.51E-06	6.25E-08	2.97E-06	4.14E-05	4.59E-05	1.6E-08	4.8E-08	2.8E-08	2.5E-08	1.1E-08	5.3E-10	1.3E-08	6.6E-09	6.0E-09	1.8E-09	2.8E-08
34	UCART1	571550.6	4177838.99	571550.55, 4177838.99	2.31314	2.3424	2.41187	0.00198	1.47E-06	6.06E-08	2.86E-06	4.85E-05	5.28E-05	1.8E-08	5.5E-08	3.2E-08	2.9E-08	1.3E-08	6.1E-10	1.5E-08	7.6E-09	6.9E-09	2.1E-09	3.2E-08
35	UCART1	571590.6	4177838.99	571590.55, 4177838.99	2.24335	2.26626	2.31689	0.00224	1.42E-06	5.86E-08	2.75E-06	5.48E-05	5.90E-05	2.0E-08	6.2E-08	3.6E-08	3.2E-08	1.5E-08	6.8E-10	1.6E-08	8.5E-09	7.7E-09	2.3E-09	3.6E-08
36	UCART1	571630.6	4177838.99	571630.55, 4177838.99	2.17323	2.18957	2.22214	0.00242	1.38E-06	5.66E-08	2.64E-06	5.92E-05	6.33E-05	2.2E-08	6.6E-08	3.8E-08	3.5E-08	1.6E-08	7.3E-10	1.8E-08	9.1E-09	8.2E-09	2.5E-09	3.8E-08
37	UCART1	571670.6	4177838.99	571670.55, 4177838.99	2.1012	2.11097	2.12807	0.00255	1.33E-06	5.46E-08	2.53E-06	6.24E-05	6.63E-05	2.3E-08	6.9E-08	4.0E-08	3.6E-08	1.7E-08	7.7E-10	1.9E-08	9.5E-09	8.6E-09	2.6E-09	4.0E-08
38	UCART1	571710.6	4177838.99	571710.55, 4177838.99	2.02767	2.03083	2.03546	0.00264	1.29E-06	5.25E-08	2.42E-06	6.46E-05	6.84E-05	2.4E-08	7.1E-08	4.1E-08	3.7E-08	1.7E-08	7.9E-10	1.9E-08	9.8E-09	8.9E-09	2.7E-09	4.1E-08
39	UCART1	571750.6	4177838.99	571750.55, 4177838.99	1.95331	1.94998	1.94493	0.00268	1.24E-06	5.04E-08	2.31E-06	6.56E-05	6.92E-05	2.4E-08	7.2E-08	4.2E-08	3.8E-08	1.7E-08	8.0E-10	1.9E-08	9.9E-09	9.0E-09	2.7E-09	4.2E-08
40	UCART1	571790.6	4177838.99	571790.55, 4177838.99	1.87859	1.86911	1.85676	0.00269	1.19E-06	4.83E-08	2.21E-06	6.58E-05	6.93E-05	2.4E-08	7.2E-08	4.2E-08	3.8E-08	1.7E-08	8.0E-10	1.9E-08	1.0E-08	9.0E-09	2.7E-09	4.2E-08
41	UCART1	571830.6	4177838.99	571830.55, 4177838.99	1.8037	1.78861	1.77085	0.00267	1.14E-06	4.62E-08	2.10E-06	6.53E-05	6.86E-05	2.4E-08	7.2E-08	4.2E-08	3.8E-08	1.7E-08	7.9E-10	1.9E-08	9.9E-09	8.9E-09	2.7E-09	4.1E-08
42	UCART1	571870.6	4177838.99	571870.55, 4177838.99	1.72857	1.70865	1.687	0.0026	1.10E-06	4.42E-08	2.00E-06	6.36E-05	6.68E-05	2.3E-08	7.0E-08	4.0E-08	3.7E-08	1.7E-08	7.7E-10	1.9E-08	9.6E-09	8.7E-09	2.6E-09	4.0E-08
43	UCART1	570230.6	4177878.99	570230.55, 4177878.99	1.15863	1.24186	1.25258	0.00057	7.35E-07	3.21E-08	1.49E-06	1.39E-05	1.62E-05	5.6E-09	1.7E-08	9.8E-09	8.9E-09	4.1E-09	1.9E-10	4.5E-09	2.3E-09	2.1E-09	6.4E-10	9.8E-09
44	UCART1	570270.6	4177878.99	570270.55, 4177878.99	1.23247	1.32552	1.34143	0.00059	7.82E-07	3.43E-08	1.59E-06	1.44E-05	1.68E-05	5.8E-09	1.8E-08	1.0E-08	9.2E-09	4.2E-09	1.9E-10	4.7E-09	2.4E-09	2.2E-09	6.7E-10	1.0E-08
45	UCART1	570310.6	4177878.99	570310.55, 4177878.99	1.30787	1.41066	1.43815	0.00059	8.29E-07	3.65E-08	1.71E-06	1.44E-05	1.70E-05	5.9E-09	1.8E-08	1.0E-08	9.3E-09	4.3E-09	2.0E-10	4.7E-09	2.4E-09	2.2E-09	6.7E-10	1.0E-08
46	UCART1	570350.6	4177878.99	570350.55, 4177878.99	1.38456	1.49675	1.54489	0.00058	8.78E-07	3.87E-08	1.83E-06	1.42E-05	1.69E-05	5.9E-09	1.8E-08	1.0E-08	9.3E-09	4.2E-09	2.0E-10	4.7E-09	2.4E-09	2.2E-09	6.7E-10	1.0E-08
47	UCART1	570390.6	4177878.99	570390.55, 4177878.99	1.46171	1.58249	1.66345	0.00057	9.27E-07	4.09E-08	1.98E-06	1.39E-05	1.69E-05	5.8E-09	1.8E-08	1.0E-08	9.3E-09	4.2E-09	2.0E-10	4.7E-09	2.4E-09	2.2E-09	6.7E-10	1.0E-08
48	UCART1	570430.6	4177878.99	570430.55, 4177878.99	1.5391	1.6674	1.79745	0.00055	9.76E-07	4.31E-08	2.13E-06	1.35E-05	1.66E-05	5.8E-09	1.7E-08	1.0E-08	9.1E-09	4.2E-09	1.9E-10	4.6E-09	2.4E-09	2.2E-09	6.6E-10	1.0E-08
49	UCART1	570470.6	4177878.99	570470.55, 4177878.99	1.61443	1.74852	1.9472	0.00054	1.02E-06	4.52E-08	2.31E-06	1.32E-05	1.66E-05	5.7E-09	1.7E-08	1.0E-08	9.1E-09	4.2E-09	1.9E-10	4.6E-09	2.4E-09	2.2E-09	6.6E-10	1.0E-08
50	UCART1	570510.6	4177878.99	570510.55, 4177878.99	1.68961	1.82813	2.12222	0.00053	1.07E-06	4.73E-08	2.52E-06	1.30E-05	1.66E-05	5.7E-09	1.7E-08	1.0E-08	9.1E-09	4.2E-09	1.9E-10	4.6E-09	2.4E-09	2.2E-09	6.6E-10	1.0E-08
51	UCART1	570550.6	4177878.99	570550.55, 4177878.99	1.76301	1.90445	2.32633	0.00053	1.12E-06	4.92E-08	2.76E-06	1.30E-05	1.69E-05	5.8E-09	1.8E-08	1.0E-08	9.3E-09	4.2E-09	2.0E-10	4.7E-09	2.4E-09	2.2E-09	6.7E-10	1.0E-08
52	UCART1	570590.6	4177878.99	570590.55, 4177878.99	1.8358	1.97928	2.57131	0.00052	1.16E-06	5.12E-08	3.05E-06	1.27E-05	1.70E-05	5.9E-09	1.8E-08	1.0E-08	9.3E-09	4.3E-09	2.0E-10	4.7E-09	2.4E-09	2.2E-09	6.7E-10	1.0E-08
53	UCART1	570630.6	4177878.99	570630.55, 4177878.99	1.90443	2.04895	2.85644	0.00049	1.21E-06	5.30E-08	3.39E-06	1.20E-05	1.66E-05	5.8E-09	1.7E-08	1.0E-08	9.1E-09	4.2E-09	1.9E-10	4.6E-09	2.4E-09	2.2E-09	6.6E-10	1.0E-08
54	UCART1	570670.6	4177878.99	570670.55, 4177878.99	1.97042	2.11606	3.19098	0.00045	1.25E-06	5.47E-08	3.79E-06	1.10E-05	1.61E-05	5.6E-09	1.7E-08	9.7E-09	8.8E-09	4.0E-09	1.9E-10	4.5E-09	2.3E-09	2.1E-09	6.4E-10	9.7E-09
55	UCART1	570710.6	4177878.99	570710.55, 4177878.99	2.03666	2.18487	3.58171	0.0004	1.29E-06	5.65E-08	4.25E-06	9.79E-06	1.54E-05	5.3E-09	1.6E-08	9.3E-09	8.4E-09	3.9E-09	1.8E-10	4.3E-09	2.2E-09	2.0E-09	6.1E-10	9.3E-09
56	UCART1	570750.6	4177878.99	570750.55, 4177878.99	2.10257	2.25516	3.99248	0.00036	1.33E-06	5.83E-08	4.74E-06	8.81E-06	1.49E-05	5.2E-09	1.6E-08	9.0E-09	8.2E-09	3.7E-09	1.7E-10	4.2E-09	2.1E-09	1.9E-09	5.9E-10	9.0E-09
57	UCART1	570790.6	4177878.99	570790.55, 4177878.99	2.16907	2.32826	4.37603	0.00034	1.38E-06	6.02E-08	5.20E-06	8.32E-06	1.50E-05	5.2E-09	1.6E-08	9.0E-09	8.2E-09	3.7E-09	1.7E-10	4.2E-09	2.1E-09	1.9E-09	5.9E-10	9.0E-09
58	UCART1	570830.6	4177878.99	570830.55, 4177878.99	2.23748	2.40523	4.77383	0.00033	1.42E-06	6.22E-08	5.67E-06	8.08E-06	1.52E-05	5.3E-09	1.6E-08	9.2E-09	8.4E-09	3.8E-09	1.8E-10	4.3E-09	2.2E-09	2.0E-09	6.0E-10	9.2E-09
59	UCART1	570870.6	4177878.99	570870.55, 4177878.99	2.30975	2.48723	5.08514	0.00033	1.46E-06	6.43E-08	6.04E-06	8.08E-06	1.56E-05	5.4E-09	1.6E-08	9.5E-09	8.6E-09	3.9E-09	1.8E-10	4.4E-09	2.2E-09	2.0E-09	6.2E-10	9.5E-09
60	UCART1	570910.6	4177878.99	570910.55, 4177878.99	2.38562	2.57277	5.1429	0.00033	1.51E-06	6.65E-08	6.11E-06	8.08E-06	1.58E-05	5.5E-09	1.6E-08	9.5E-09	8.6E-09	3.9E-09	1.8E-10	4.4E-09	2.3E-09	2.1E-09	6.2E-10	9.5E-09
61	UCART1	570950.6	4177878.99	570950.55, 4177878.99	2.46501	2.66092	4.97606	0.00034	1.56E-06	6.88E-08	5.91E-06	8.32E-06	1.59E-05	5.5E-09	1.7E-08	9.6E-09	8.7E-09	4.0E-09	1.8E-10	4.4E-09	2.3E-09	2.1E-09	6.3E-10	9.6E-09
62	UCART1	570990.6	4177878.99	570990.55, 4177878.99	2.54617	2.74946	4.70261	0.00035	1.61E-06	7.11E-08	5.59E-06	8.56E-06	1.58E-05	5.5E-09	1.7E-08	9.6E-09	8.7E-09	4.0E-09	1.8E-10	4.4E-09	2.3E-09	2.1E-09	6.3E-10	9.6E-09
63	UCART1	571030.6	4177878.99	571030.55, 4177878.99	2.62794	2.83734	4.41549	0.00036	1.67E-06	7.33E-08	5.24E-06	8.81E-06	1.58E-05	5.5E-09	1.7E-08	9.6E-09	8.7E-09	4.0E-09	1.8E-10	4.4E-09	2.3E-09	2.1E-09	6.2E-10	9.5E-09
64	UCART1	571070.6	4177878.99	571070.55, 4177878.99	2.70893	2.92202	4.15562	0.00038	1.72E-06	7.55E-08	4.94E-06	9.30E-06	1.60E-05	5.5E-09	1.7E-08	9.7E-09	8.8E-09	4.0E-09	1.9E-10	4.5E-09	2.3E-09	2.1E-09	6.3E-10	9.7E-09
65	UCART1	571110.6	4177878.99	571110.55, 4177878.99	2.78567	2.99786	3.93056	0.0004	1.77E-06	7.75E-08	4.67E-06	9.79E-06	1.63E-05	5.6E-09	1.7E-08	9.9E-09	8.9E-09	4.1E-09	1.9E-10	4.6E-09	2.3E-09	2.1E-09	6.4E-10	9.9E-09
66	UCART1	571150.6	4177878.99	571150.55, 4177878.99	2.85396	3.05878	3.73932	0.00045	1.81E-06	7.91E-08	4.44E-06	1.10E-05	1.73E-05	6.0E-09	1.8E-08	1.0E-08	9.5E-09	4.3E-09	2.0E-10	4.8E-09	2.5E-09	2.3E-09	6.8E-10	1.0E-08
67	UCART1	571190.6	4177878.99	571190.55, 4177878.99	2.91023	3.10015	3.58068	0.0005	1.85E-06	8.01E-08	4.25E-06	1.22E-05	1.84E-05	6.4E-09	1.9E-08	1.1E-08	1.0E-08	4.6E-09	2.1E-10	5.1E-09	2.6E-09	2.4E-09	7.3E-10	1.1E-08
68	UCART1	571230.6	4177878.99	571230.55, 4177878.99	2.9448	3.1128	3.44326	0.00058	1.87E-06	8.05E-08	4.09E-06	1.42E-05	2.02E-05	7.0E-09	2.1E-08	1.2E-08	1.1E-08	5.1E-09	2.3E-10	5.6E-09	2.9E-09	2.6E-09	8.0E-10	1.2E-08
69	UCART1	571270.6	4177878.99	571270.55, 4177878.99	2.96133	3.10288	3.3353	0.0007	1.88E-06	8.02E-08	3.96E-06	1.71E-05	2.30E-05	8.0E-09	2.4E-08	1.4E-08	1.3E-08	5.8E-09	2.7E-10	6.4E-09	3.3E-09	3.0E-09	9.1E-10	1.4E-08
70	UCART1	571310.6	4177878.99	571310.55, 4177878.99	2.95022	3.06446	3.23964	0.00086	1.87E-06	7.92E-08	3.85E-06	2.10E-05	2.68E-05	9.3E-09	2.8E-08	1.6E-08	1.5E-08	6.7E-09	3.1E-10	7.5E-09	3.9E-09	3.5E-09	1.1E-09	1.6E-08
71	UCART1	571350.6	4177878.99	571350.55, 4177878.99	2.91524	3.0051	3.15304	0.00108	1.85E-06	7.77E-08	3.75E-06	2.64E-05	3.21E-05	1.1E-08	3.4E-08	1.9E-08	1.8E-08	8.0E-09	3.7E-10	9.0E-09	4.6E-09	4.2E-09	1.3E-09	1.9E-08
72	UCART1	571390.6	4177878.99	571390.55, 4177878.99	2.8582	2.92897	3.06826	0.00136	1.81E-06	7.57E-08	3.64E-06	3.33E-05	3.88E-05	1.3E-08	4.1E-08	2.3E-08	2.1E-08	9.7E-09	4.5E-10	1.1E-08	5.6E-09	5.1E-09	1.5E-09	2.3E-08
73	UCART1	571430.6	4177878.99	571430.55, 4177878.99	2.78498	2.84085	2.97559	0.00166	1.77E-06	7.34E-08	3.53E-06	4.06E-05	4.60E-05	1.6E-08	4.8E-08	2.8E-08	2.5E-08	1.2E-08	5.3E-10	1.3E-08	6.6E-09	6.0E-09	1.8E-09	2.8E-08
74	UCART1	571470.6	4177878.99	571470.55, 4177878.99	2.71879	2.76295	2.88536	0.00202	1.72E-06	7.14E-08	3.43E-06	4.94E-05	5.47E-05	1.9E-08	5.7E-08	3.3E-08	3.0E-08	1.4E-08	6.3E-10	1.5E-08	7.9E-09	7.1E-09	2.2E-09	3.3E-08
75	UCART1	571510.6	4177878.99	571510.55, 4177878.99	2.6385	2.67291	2.77929	0.00235	1.67E-06	6.91E-08	3.30E-06	5.75E-05	6.25E-05	2.2E-08	6.5E-08	3.8E-08	3.4E-08	1.6E-08	7.2E-10	1.7E-08	9.0E-09	8.2E-09	2.5E-09	3.8E-08
76	UCART1	571550.6	4177878.99	571550.55, 4177878.99	2.55427	2.5799	2.66745	0.00266	1.62E-06	6.67E-08	3.17E-06	6.51E-05	6.99E-05	2.4E-08	7.3E-08	4.2E-08	3.8E-08	1.8E-08	8.1E-10	2.0E-08	1.0E-08	9.1E-09	2.8E-09	4.2E-08
77	UCART1	571590.6	4177878.99	571590.55, 4177878.99	2.46711	2.48416	2.55203	0.00288	1.56E-06	6.42E-08	3.03E-06	7.05E-05	7.51E-05	2.6E-08	7.9E-08	4.5E-08	4.1E-08	1.9E-08	8.7E-10	2.1E-08	1.1E-08	9.8E-09	3.0E-09	4.5E-08
78	UCART1	571630.6	4177878.99	571630.55, 4177878.99	2.37873	2.38688	2.43664	0.00304	1.51E-06	6.17E-08	2.89E-06	7.44E-05	7.89E-05	2.7E-08	8.2E-08	4.8E-08	4.3E-08	2.0E-08	9.1E-10	2.2E-08	1.1E-08	1.0E-08	3.1E-09	4.8E-08
79	UCART1	571670.6	4177878.99	571670.55, 4177878.99	2.28816	2.28759	2.32201	0.00315	1.45E-06	5.91E-08	2.76E-06	7.71E-05	8.13E-05	2.8E-08	8.5E-08	4.9E-08	4.5E-08	2.0E-08	9.4E-10	2.3E-08	1.2E-08	1.1E-08	3.2E-09	4.9E-08
80	UCART1	571710.6	4177878.99	571710.55, 4177878.99	2.19623	2.18729	2.20914	0.00318	1.39E-06	5.65E-08	2.62E-06	7.78E-05	8.19E-05	2.8E-08	8.6E-08	5.0E-08	4.5E-08	2.0E-08	9.5E-10	2.3E-08	1.2E-08	1.1E-08	3.2E-09	4.9E-08
81	UCART1	571750.6	4177878.99	571750.55, 4177878.99	2.10357	2.08697	2.09858	0.00318	1.33E-06	5.39E-08	2.49E-06	7.78E-05	8.17E-05	2.8E-08	8.5E-08	4.9E-08	4.5E-08	2.0E-08	9.4E-10	2.3E-08	1.2E-08	1.1E-08	3.2E-09	4.9E-08
82	UCART1	571790.6	4177878.99	571790.55, 4177878.99	2.01114	1.9878	1.99111	0.00312	1.28E-06	5.14E-08	2.36E-06	7.63E-05	8.00E-05	2.8E-08	8.4E-08	4.8E-08	4.4E-08	2.0E-08	9.3E-10	2.2E-08	1.2E-08	1.0E-08	3.2E-09	4.8E-08
83	UCART1	571830.6	4177878.99	571830.55, 4177878.99	1.9186	1.88977	1.88642	0.00302	1.22E-06	4.89E-08	2.24E-06	7.39E-05	7.74E-05	2.7E-08	8.1E-08	4.7E-08	4.2E-08	1.9E-08	8.9E-10	2.2E-08	1.1E-08	1.0E-08	3.1E-09	4.7E-08
84	UCART1	571870.6	4177878.99	571870.55, 4177878.99	1.82729	1.79417	1.78571	0.00291	1.16E-06	4.64E-08	2.12E-06	7.12E-05	7.45E-05	2.6E-08	7.8E-08	4.5E-08	4.1E-08	1.9E-08	8.6E-10	2.1E-08	1.1E-08	9.7E-09	2.9E-09	4.5E-08
85	UCART1	570230.6	4177918.99	570230.55, 4177918.99	1.18937	1.27459	1.29549	0.0006	7.54E-07	3.29E-08	1.54E-06	1.47E-05	1.70E-05	5.9E-09	1.8E-08	1.0E-08	9.3E-09	4.3E-09	2.0E-10	4.7E-09	2.4E-09	2.2E-09	6.7E-10	1.0E-08
86	UCART1	570270.6	4177918.99	570270.55, 4177918.99	1.27144	1.36835	1.38951	0.00065	8.06E-07	3.54E-08	1.65E-06	1.59E-05	1.84E-05	6.4E-09	1.9E-08	1.1E-08	1.0E-08	4.6E-09	2.1E-10	5.1E-09	2.6E-09	2.4E-09	7.3E-10	1.1E-08
87	UCART1	570310.6	4177918.99	570310.55, 4177918.99	1.35994	1.46974	1.49803	0.00067	8.62E-07	3.80E-08	1.78E-06	1.64E-05	1.91E-05	6.6E-09	2.0E-08	1.2E-08	1.0E-08	4.8E-09	2.2E-10	5.3E-09	2.7E-09	2.5E-09	7.5E-10	1.2E-08
88	UCART1	570350.6	4177918.99	570350.55, 4177918.99	1.45092	1.57375	1.61752	0.00067	9.20E-07	4.07E-08	1.92E-06	1.64E-05	1.93E-05	6.7E-09	2.0E-08	1.2E-08	1.1E-08	4.8E-09	2.2E-10	5.4E-09	2.8E-09	2.5E-09	7.6E-10	1.2E-08
89	UCART1	570390.6	4177918.99	570390.55, 4177918.99	1.54397	1.67953	1.75105	0.00067	9.79E-07	4.34E-08	2.08E-06	1.64E-05	1.95E-05	6.7E-09	2.0E-08	1.2E-08	1.1E-08	4.9E-09	2.3E-10	5.4E-09	2.8E-09	2.5E-09	7.7E-10	1.2E-08
90	UCART1	570430.6	4177918.99	570430.55, 4177918.99	1.63787	1.7852	1.90142	0.00065	1.04E-06	4.61E-08	2.26E-06	1.59E-05	1.92E-05	6.7E-09	2.0E-08	1.2E-08	1.1E-08	4.8E-09	2.2E-10	5.4E-09	2.8E-09	2.5E-09	7.6E-10	1.2E-08
91	UCART1	570470.6	4177918.99	570470.55, 4177918.99	1.73258	1.89028	2.07502	0.00063	1.10E-06	4.89E-08	2.46E-06	1.54E-05	1.90E-05	6.6E-09	2.0E-08	1.2E-08	1.0E-08	4.8E-09	2.2E-10	5.3E-09	2.7E-09	2.5E-09	7.5E-10	1.1E-08
92	UCART1	570510.6	4177918.99	570510.55, 4177918.99	1.82937	1.99605	2.28348	0.00061	1.16E-06	5.16E-08	2.71E-06	1.49E-05	1.89E-05	6.5E-09	2.0E-08	1.1E-08	1.0E-08	4.7E-09	2.2E-10	5.3E-09	2.7E-09	2.5E-09	7.4E-10	1.1E-08
93	UCART1	570550.6	4177918.99	570550.55, 4177918.99	1.92527	2.09878	2.53326	0.0006	1.22E-06	5.43E-08	3.01E-06	1.47E-05	1.90E-05	6.6E-09	2.0E-08	1.1E-08	1.0E-08	4.7E-09	2.2E-10	5.3E-09	2.7E-09	2.5E-09	7.5E-10	1.1E-08
94	UCART1	570590.6	4177918.99	570590.55, 4177918.99	2.01921	2.19726	2.83857	0.00059	1.28E-06	5.68E-08	3.37E-06	1.44E-05	1.91E-05	6.6E-09	2.0E-08	1.2E-08	1.1E-08	4.8E-09	2.2E-10	5.3E-09	2.8E-09	2.5E-09	7.6E-10	1.2E-08
95	UCART1	570630.6	4177918.99	570630.55, 4177918.99	2.10889	2.28926	3.21871	0.00056	1.34E-06	5.92E-08	3.82E-06	1.37E-05	1.89E-05	6.6E-09	2.0E-08	1.1E-08	1.0E-08	4.7E-09	2.2E-10	5.3E-09	2.7E-09	2.5E-09	7.5E-10	1.1E-08
96	UCART1	570670.6	4177918.99	570670.55, 4177918.99	2.19632	2.37825	3.71661	0.00052	1.39E-06	6.15E-08	4.41E-06	1.27E-05	1.86E-05	6.4E-09	1.9E-08	1.1E-08	1.0E-08	4.7E-09	2.1E-10	5.2E-09	2.7E-09	2.4E-09	7.3E-10	1.1E-08
97	UCART1	570710.6	4177918.99	570710.55, 4177918.99	2.28216	2.4661	4.40047	0.00047	1.45E-06	6.37E-08	5.23E-06	1.15E-05	1.82E-05	6.3E-09	1.9E-08	1.1E-08	1.0E-08	4.6E-09	2.1E-10	5.1E-09	2.6E-09	2.4E-09	7.2E-10	1.1E-08
98	UCART1	570750.6	4177918.99	570750.55, 4177918.99	2.36585	2.55345	5.35494	0.00042	1.50E-06	6.60E-08	6.36E-06	1.03E-05	1.82E-05	6.3E-09	1.9E-08	1.1E-08	1.0E-08	4.6E-09	2.1E-10	5.1E-09	2.6E-09	2.4E-09	7.2E-10	1.1E-08
99	UCART1	570790.6	4177918.99	570790.55, 4177918.99	2.44847	2.64243	6.53692	0.00038	1.55E-06	6.83E-08	7.76E-06	9.30E-06	1.87E-05	6.5E-09	2.0E-08	1.1E-08	1.0E-08	4.7E-09	2.2E-10	5.2E-09	2.7E-09	2.4E-09	7.4E-10	1.1E-08
100	UCART1	570830.6	4177918.99	570830.55, 4177918.99	2.53302	2.73657	7.60697	0.00037	1.61E-06	7.07E-08	9.04E-06	9.05E-06	1.98E-05	6.8E-09	2.1E-08	1.2E-08	1.1E-08	4.9E-09	2.3E-10	5.5E-09	2.8E-09	2.6E-09	7.8E-10	1.2E-08
101	UCART1	570870.6	4177918.99	570870.55, 4177918.99	2.62176	2.83763	8.10634	0.00037	1.66E-06	7.34E-08	9.63E-06	9.05E-06	2.04E-05	7.1E-09	2.1E-08	1.2E-08	1.1E-08	5.1E-09	2.4E-10	5.7E-09	2.9E-09	2.7E-09	8.1E-10	1.2E-08
102	UCART1	570910.6	4177918.99	570910.55, 4177918.99	2.71426	2.94315	7.43587	0.00037	1.72E-06	7.61E-08	8.83E-06	9.05E-06	1.97E-05	6.8E-09	2.1E-08	1.2E-08	1.1E-08	4.9E-09	2.3E-10	5.5E-09	2.8E-09	2.6E-09	7.8E-10	1.2E-08
103	UCART1	570950.6	4177918.99	570950.55, 4177918.99	2.81162	3.05293	6.54181	0.00038	1.78E-06	7.89E-08	7.77E-06	9.30E-06	1.89E-05	6.6E-09	2.0E-08	1.1E-08	1.0E-08	4.7E-09	2.2E-10	5.3E-09	2.7E-09	2.5E-09	7.5E-10	1.1E-08
104	UCART1	570990.6	4177918.99	570990.55, 4177918.99	2.9126	3.16422	5.81447	0.00039	1.85E-06	8.18E-08	6.91E-06	9.54E-06	1.84E-05	6.4E-09	1.9E-08	1.1E-08	1.0E-08	4.6E-09	2.1E-10	5.1E-09	2.6E-09	2.4E-09	7.3E-10	1.1E-08
105	UCART1	571030.6	4177918.99	571030.55, 4177918.99	3.01451	3.2741	5.26149	0.00041	1.91E-06	8.46E-08	6.25E-06	1.00E-05	1.83E-05	6.3E-09	1.9E-08	1.1E-08	1.0E-08	4.6E-09	2.1E-10	5.1E-09	2.6E-09	2.4E-09	7.2E-10	1.1E-08
106	UCART1	571070.6	4177918.99	571070.55, 4177918.99	3.11417	3.37774	4.84054	0.00043	1.97E-06	8.73E-08	5.75E-06	1.05E-05	1.83E-05	6.3E-09	1.9E-08	1.1E-08	1.0E-08	4.6E-09	2.1E-10	5.1E-09	2.6E-09	2.4E-09	7.2E-10	1.1E-08
107	UCART1	571110.6	4177918.99	571110.55, 4177918.99	3.20882	3.46964	4.51817	0.00048	2.03E-06	8.97E-08	5.37E-06	1.17E-05	1.92E-05	6.7E-09	2.0E-08	1.2E-08	1.1E-08	4.8E-09	2.2E-10	5.4E-09	2.8E-09	2.5E-09	7.6E-10	1.2E-08
108	UCART1	571150.6	4177918.99	571150.55, 4177918.99	3.29142	3.53966	4.26571	0.00054	2.09E-06	9.15E-08	5.07E-06	1.32E-05	2.05E-05	7.1E-09	2.1E-08	1.2E-08	1.1E-08	5.1E-09	2.4E-10	5.7E-09	2.9E-09	2.7E-09	8.1E-10	1.2E-08
109	UCART1	571190.6	4177918.99	571190.55, 4177918.99	3.35396	3.5787	4.06414	0.00062	2.13E-06	9.25E-08	4.83E-06	1.52E-05	2.22E-05	7.7E-09	2.3E-08	1.3E-08	1.2E-08	5.6E-09	2.6E-10	6.2E-09	3.2E-09	2.9E-09	8.8E-10	1.3E-08
110	UCART1	571230.6	4177918.99	571230.55, 4177918.99	3.38699	3.57932	3.89822	0.00074	2.15E-06	9.25E-08	4.63E-06	1.81E-05	2.50E-05	8.6E-09	2.6E-08	1.5E-08	1.4E-08	6.3E-09	2.9E-10	7.0E-09	3.6E-09	3.3E-09	9.9E-10	1.5E-08
111	UCART1	571270.6	4177918.99	571270.55, 4177918.99	3.39321	3.54895	3.77137	0.00094	2.15E-06	9.17E-08	4.48E-06	2.30E-05	2.97E-05	1.0E-08	3.1E-08	1.8E-08	1.6E-08	7.4E-09	3.4E-10	8.3E-09	4.3E-09	3.9E-09	1.2E-09	1.8E-08
112	UCART1	571310.6	4177918.99	571310.55, 4177918.99	3.3651	3.4867	3.66688	0.0012	2.13E-06	9.01E-08	4.36E-06	2.94E-05	3.59E-05	1.2E-08	3.8E-08	2.2E-08	2.0E-08	9.0E-09	4.2E-10	1.0E-08	5.2E-09	4.7E-09	1.4E-09	2.2E-08
113	UCART1	571350.6	4177918.99	571350.55, 4177918.99	3.30789	3.40123	3.57173	0.00154	2.10E-06	8.79E-08	4.24E-06	3.77E-05	4.41E-05	1.5E-08	4.6E-08	2.7E-08	2.4E-08	1.1E-08	5.1E-10	1.2E-08	6.3E-09	5.7E-09	1.7E-09	2.7E-08
114	UCART1	571390.6	4177918.99	571390.55, 4177918.99	3.21817	3.29011	3.46836	0.00193	2.04E-06	8.50E-08	4.12E-06	4.72E-05	5.35E-05	1.9E-08	5.6E-08	3.2E-08	2.9E-08	1.3E-08	6.2E-10	1.5E-08	7.7E-09	7.0E-09	2.1E-09	3.2E-08
115	UCART1	571430.6	4177918.99	571430.55, 4177918.99	3.12654	3.18241	3.36414	0.00236	1.98E-06	8.23E-08	4.00E-06	5.77E-05	6.38E-05	2.2E-08	6.7E-08	3.9E-08	3.5E-08	1.6E-08	7.4E-10	1.8E-08	9.2E-09	8.3E-09	2.5E-09	3.9E-08
116	UCART1	571470.6	4177918.99	571470.55, 4177918.99	3.04068	3.08269	3.25638	0.00283	1.93E-06	7.97E-08	3.87E-06	6.92E-05	7.51E-05	2.6E-08	7.9E-08	4.5E-08	4.1E-08	1.9E-08	8.7E-10	2.1E-08	1.1E-08	9.8E-09	3.0E-09	4.5E-08
117	UCART1	571510.6	4177918.99	571510.55, 4177918.99	2.93893	2.96775	3.12347	0.00317	1.86E-06	7.67E-08	3.71E-06	7.76E-05	8.32E-05	2.9E-08	8.7E-08	5.0E-08	4.6E-08	2.1E-08	9.6E-10	2.3E-08	1.2E-08	1.1E-08	3.3E-09	5.0E-08
118	UCART1	571550.6	4177918.99	571550.55, 4177918.99	2.83099	2.84761	2.9821	0.00345	1.80E-06	7.36E-08	3.54E-06	8.44E-05	8.98E-05	3.1E-08	9.4E-08	5.4E-08	4.9E-08	2.2E-08	1.0E-09	2.5E-08	1.3E-08	1.2E-08	3.5E-09	5.4E-08
119	UCART1	571590.6	4177918.99	571590.55, 4177918.99	2.72007	2.72456	2.83732	0.00365	1.72E-06	7.04E-08	3.37E-06	8.93E-05	9.45E-05	3.3E-08	9.9E-08	5.7E-08	5.2E-08	2.4E-08	1.1E-09	2.6E-08	1.4E-08	1.2E-08	3.7E-09	5.7E-08
120	UCART1	571630.6	4177918.99	571630.55, 4177918.99	2.60643	2.5992	2.69134	0.00376	1.65E-06	6.72E-08	3.20E-06	9.20E-05	9.69E-05	3.4E-08	1.0E-07	5.9E-08	5.3E-08	2.4E-08	1.1E-09	2.7E-08	1.4E-08	1.3E-08	3.8E-09	5.9E-08
121	UCART1	571670.6	4177918.99	571670.55, 4177918.99	2.49142	2.47324	2.5467	0.0038	1.58E-06	6.39E-08	3.02E-06	9.30E-05	9.77E-05	3.4E-08	1.0E-07	5.9E-08	5.4E-08	2.4E-08	1.1E-09	2.7E-08	1.4E-08	1.3E-08	3.9E-09	5.9E-08
122	UCART1	571710.6	4177918.99	571710.55, 4177918.99	2.37377	2.34629	2.40262	0.00375	1.51E-06	6.07E-08	2.85E-06	9.18E-05	9.62E-05	3.3E-08	1.0E-07	5.8E-08	5.3E-08	2.4E-08	1.1E-09	2.7E-08	1.4E-08	1.3E-08	3.8E-09	5.8E-08
123	UCART1	571750.6	4177918.99	571750.55, 4177918.99	2.25744	2.22209	2.26349	0.00366	1.43E-06	5.74E-08	2.69E-06	8.96E-05	9.37E-05	3.2E-08	9.8E-08	5.7E-08	5.1E-08	2.3E-08	1.1E-09	2.6E-08	1.3E-08	1.2E-08	3.7E-09	5.7E-08
124	UCART1	571790.6	4177918.99	571790.55, 4177918.99	2.14277	2.10128	2.12994	0.00353	1.36E-06	5.43E-08	2.53E-06	8.64E-05	9.03E-05	3.1E-08	9.4E-08	5.5E-08	5.0E-08	2.3E-08	1.0E-09	2.5E-08	1.3E-08	1.2E-08	3.6E-09	5.5E-08
125	UCART1	571830.6	4177918.99	571830.55, 4177918.99	2.02965	1.98386	2.00216	0.00335	1.29E-06	5.13E-08	2.38E-06	8.20E-05	8.57E-05	3.0E-08	9.0E-08	5.2E-08	4.7E-08	2.1E-08	9.9E-10	2.4E-08	1.2E-08	1.1E-08	3.4E-09	5.2E-08
126	UCART1	571870.6	4177918.99	571870.55, 4177918.99	1.91999	1.87146	1.88178	0.00318	1.22E-06	4.84E-08	2.24E-06	7.78E-05	8.13E-05	2.8E-08	8.5E-08	4.9E-08	4.5E-08	2.0E-08	9.4E-10	2.3E-08	1.2E-08	1.1E-08	3.2E-09	4.9E-08
127	UCART1	570230.6	4177958.99	570230.55, 4177958.99	1.21367	1.29867	1.33829	0.00063	7.70E-07	3.36E-08	1.59E-06	1.54E-05	1.78E-05	6.2E-09	1.9E-08	1.1E-08	9.8E-09	4.5E-09	2.1E-10	5.0E-09	2.6E-09	2.3E-09	7.0E-10	1.1E-08
128	UCART1	570270.6	4177958.99	570270.55, 4177958.99	1.30611	1.40488	1.44183	0.0007	8.28E-07	3.63E-08	1.71E-06	1.71E-05	1.97E-05	6.8E-09	2.1E-08	1.2E-08	1.1E-08	4.9E-09	2.3E-10	5.5E-09	2.8E-09	2.6E-09	7.8E-10	1.2E-08
129	UCART1	570310.6	4177958.99	570310.55, 4177958.99	1.4032	1.51693	1.55479	0.00075	8.90E-07	3.92E-08	1.85E-06	1.84E-05	2.11E-05	7.3E-09	2.2E-08	1.3E-08	1.2E-08	5.3E-09	2.4E-10	5.9E-09	3.0E-09	2.8E-09	8.3E-10	1.3E-08
130	UCART1	570350.6	4177958.99	570350.55, 4177958.99	1.50941	1.64007	1.68808	0.00077	9.57E-07	4.24E-08	2.01E-06	1.88E-05	2.18E-05	7.6E-09	2.3E-08	1.3E-08	1.2E-08	5.5E-09	2.5E-10	6.1E-09	3.1E-09	2.8E-09	8.6E-10	1.3E-08
131	UCART1	570390.6	4177958.99	570390.55, 4177958.99	1.61993	1.76815	1.83774	0.00077	1.03E-06	4.57E-08	2.18E-06	1.88E-05	2.21E-05	7.6E-09	2.3E-08	1.3E-08	1.2E-08	5.5E-09	2.6E-10	6.2E-09	3.2E-09	2.9E-09	8.7E-10	1.3E-08
132	UCART1	570430.6	4177958.99	570430.55, 4177958.99	1.73071	1.89569	2.00191	0.00076	1.10E-06	4.90E-08	2.38E-06	1.86E-05	2.21E-05	7.7E-09	2.3E-08	1.3E-08	1.2E-08	5.5E-09	2.6E-10	6.2E-09	3.2E-09	2.9E-09	8.7E-10	1.3E-08
133	UCART1	570470.6	4177958.99	570470.55, 4177958.99	1.85057	2.03291	2.20534	0.00073	1.17E-06	5.26E-08	2.62E-06	1.79E-05	2.17E-05	7.5E-09	2.3E-08	1.3E-08	1.2E-08	5.4E-09	2.5E-10	6.1E-09	3.1E-09	2.8E-09	8.6E-10	1.3E-08
134	UCART1	570510.6	4177958.99	570510.55, 4177958.99	1.97346	2.17175	2.44902	0.00071	1.25E-06	5.61E-08	2.91E-06	1.74E-05	2.16E-05	7.5E-09	2.3E-08	1.3E-08	1.2E-08	5.4E-09	2.5E-10	6.0E-09	3.1E-09	2.8E-09	8.5E-10	1.3E-08
135	UCART1	570550.6	4177958.99	570550.55, 4177958.99	2.09557	2.30712	2.74112	0.00069	1.33E-06	5.96E-08	3.26E-06	1.69E-05	2.15E-05	7.5E-09	2.3E-08	1.3E-08	1.2E-08	5.4E-09	2.5E-10	6.0E-09	3.1E-09	2.8E-09	8.5E-10	1.3E-08
136	UCART1	570590.6	4177958.99	570590.55, 4177958.99	2.21682	2.43824	3.1067	0.00068	1.41E-06	6.30E-08	3.69E-06	1.66E-05	2.18E-05	7.5E-09	2.3E-08	1.3E-08	1.2E-08	5.5E-09	2.5E-10	6.1E-09	3.1E-09	2.8E-09	8.6E-10	1.3E-08
137	UCART1	570630.6	4177958.99	570630.55, 4177958.99	2.33548	2.56308	3.58302	0.00065	1.48E-06	6.63E-08	4.26E-06	1.59E-05	2.17E-05	7.5E-09	2.3E-08	1.3E-08	1.2E-08	5.4E-09	2.5E-10	6.1E-09	3.1E-09	2.8E-09	8.6E-10	1.3E-08
138	UCART1	570670.6	4177958.99	570670.55, 4177958.99	2.45265	2.68415	4.24777	0.00061	1.56E-06	6.94E-08	5.05E-06	1.49E-05	2.16E-05	7.5E-09	2.3E-08	1.3E-08	1.2E-08	5.4E-09	2.5E-10	6.0E-09	3.1E-09	2.8E-09	8.5E-10	1.3E-08
139	UCART1	570710.6	4177958.99	570710.55, 4177958.99	2.56774	2.80189	5.2673	0.00054	1.63E-06	7.24E-08	6.26E-06	1.32E-05	2.12E-05	7.3E-09	2.2E-08	1.3E-08	1.2E-08	5.3E-09	2.4E-10	5.9E-09	3.0E-09	2.8E-09	8.4E-10	1.3E-08
140	UCART1	570750.6	4177958.99	570750.55, 4177958.99	2.67913	2.91633	7.07784	0.00049	1.70E-06	7.54E-08	8.41E-06	1.20E-05	2.22E-05	7.7E-09	2.3E-08	1.3E-08	1.2E-08	5.5E-09	2.6E-10	6.2E-09	3.2E-09	2.9E-09	8.8E-10	1.3E-08
141	UCART1	570790.6	4177958.99	570790.55, 4177958.99	2.78672	3.02937	11.35157	0.00044	1.77E-06	7.83E-08	1.35E-05	1.08E-05	2.61E-05	9.0E-09	2.7E-08	1.6E-08	1.4E-08	6.5E-09	3.0E-10	7.3E-09	3.8E-09	3.4E-09	1.0E-09	1.6E-08
142	UCART1	570830.6	4177958.99	570830.55, 4177958.99	2.89589	3.14841	13.33992	0.00042	1.84E-06	8.14E-08	1.58E-05	1.03E-05	2.80E-05	9.7E-09	2.9E-08	1.7E-08	1.5E-08	7.0E-09	3.2E-10	7.8E-09	4.0E-09	3.7E-09	1.1E-09	1.7E-08
143	UCART1	570870.6	4177958.99	570870.55, 4177958.99	3.00731	3.2745	16.02658	0.00041	1.91E-06	8.46E-08	1.90E-05	1.00E-05	3.11E-05	1.1E-08	3.2E-08	1.9E-08	1.7E-08	7.8E-09	3.6E-10	8.7E-09	4.5E-09	4.0E-09	1.2E-09	1.9E-08
144	UCART1	570910.6	4177958.99	570910.55, 4177958.99	3.12219	3.40647	11.02445	0.00041	1.98E-06	8.81E-08	1.31E-05	1.00E-05	2.52E-05	8.7E-09	2.6E-08	1.5E-08	1.4E-08	6.3E-09	2.9E-10	7.0E-09	3.6E-09	3.3E-09	9.9E-10	1.5E-08
145	UCART1	570950.6	4177958.99	570950.55, 4177958.99	3.24363	3.54535	8.56381	0.00042	2.06E-06	9.16E-08	1.02E-05	1.03E-05	2.26E-05	7.8E-09	2.4E-08	1.4E-08	1.2E-08	5.7E-09	2.6E-10	6.3E-09	3.2E-09	2.9E-09	8.9E-10	1.4E-08
146	UCART1	570990.6	4177958.99	570990.55, 4177958.99	3.37071	3.68761	7.14551	0.00043	2.14E-06	9.53E-08	8.49E-06	1.05E-05	2.12E-05	7.4E-09	2.2E-08	1.3E-08	1.2E-08	5.3E-09	2.5E-10	5.9E-09	3.1E-09	2.8E-09	8.4E-10	1.3E-08
147	UCART1	571030.6	4177958.99	571030.55, 4177958.99	3.4998	3.82743	6.24299	0.00045	2.22E-06	9.89E-08	7.42E-06	1.10E-05	2.07E-05	7.2E-09	2.2E-08	1.3E-08	1.1E-08	5.2E-09	2.4E-10	5.8E-09	3.0E-09	2.7E-09	8.2E-10	1.3E-08
148	UCART1	571070.6	4177958.99	571070.55, 4177958.99	3.62651	3.9587	5.63095	0.00049	2.30E-06	1.02E-07	6.69E-06	1.20E-05	2.11E-05	7.3E-09	2.2E-08	1.3E-08	1.2E-08	5.3E-09	2.4E-10	5.9E-09	3.0E-09	2.7E-09	8.3E-10	1.3E-08
149	UCART1	571110.6	4177958.99	571110.55, 4177958.99	3.74548	4.07164	5.20167	0.00056	2.38E-06	1.05E-07	6.18E-06	1.37E-05	2.24E-05	7.7E-09	2.3E-08	1.4E-08	1.2E-08	5.6E-09	2.6E-10	6.2E-09	3.2E-09	2.9E-09	8.8E-10	1.4E-08
150	UCART1	571150.6	4177958.99	571150.55, 4177958.99	3.8448	4.1491	4.88594	0.00065	2.44E-06	1.07E-07	5.80E-06	1.59E-05	2.43E-05	8.4E-09	2.5E-08	1.5E-08	1.3E-08	6.1E-09	2.8E-10	6.8E-09	3.5E-09	3.2E-09	9.6E-10	1.5E-08
151	UCART1	571190.6	4177958.99	571190.55, 4177958.99	3.91231	4.17895	4.64475	0.00078	2.48E-06	1.08E-07	5.52E-06	1.91E-05	2.72E-05	9.4E-09	2.8E-08	1.6E-08	1.5E-08	6.8E-09	3.1E-10	7.6E-09	3.9E-09	3.5E-09	1.1E-09	1.6E-08
152	UCART1	571230.6	4177958.99	571230.55, 4177958.99	3.94102	4.15993	4.45987	0.00102	2.50E-06	1.08E-07	5.30E-06	2.50E-05	3.29E-05	1.1E-08	3.4E-08	2.0E-08	1.8E-08	8.2E-09	3.8E-10	9.2E-09	4.7E-09	4.3E-09	1.3E-09	2.0E-08
153	UCART1	571270.6	4177958.99	571270.55, 4177958.99	3.9303	4.10005	4.32437	0.00132	2.49E-06	1.06E-07	5.14E-06	3.23E-05	4.00E-05	1.4E-08	4.2E-08	2.4E-08	2.2E-08	1.0E-08	4.6E-10	1.1E-08	5.8E-09	5.2E-09	1.6E-09	2.4E-08
154	UCART1	571310.6	4177958.99	571310.55, 4177958.99	3.87412	4.00192	4.21335	0.00174	2.46E-06	1.03E-07	5.00E-06	4.26E-05	5.01E-05	1.7E-08	5.2E-08	3.0E-08	2.8E-08	1.3E-08	5.8E-10	1.4E-08	7.2E-09	6.5E-09	2.0E-09	3.0E-08
155	UCART1	571350.6	4177958.99	571350.55, 4177958.99	3.78598	3.8815	4.11538	0.00226	2.40E-06	1.00E-07	4.89E-06	5.53E-05	6.27E-05	2.2E-08	6.6E-08	3.8E-08	3.4E-08	1.6E-08	7.2E-10	1.8E-08	9.0E-09	8.2E-09	2.5E-09	3.8E-08
156	UCART1	571390.6	4177958.99	571390.55, 4177958.99	3.67169	3.74326	4.01086	0.00283	2.33E-06	9.68E-08	4.76E-06	6.92E-05	7.64E-05	2.6E-08	8.0E-08	4.6E-08	4.2E-08	1.9E-08	8.8E-10	2.1E-08	1.1E-08	1.0E-08	3.0E-09	4.6E-08
157	UCART1	571430.6	4177958.99	571430.55, 4177958.99	3.55116	3.60266	3.88884	0.00338	2.25E-06	9.31E-08	4.62E-06	8.27E-05	8.97E-05	3.1E-08	9.4E-08	5.4E-08	4.9E-08	2.2E-08	1.0E-09	2.5E-08	1.3E-08	1.2E-08	3.5E-09	5.4E-08
158	UCART1	571470.6	4177958.99	571470.55, 4177958.99	3.4241	3.45664	3.73854	0.00381	2.17E-06	8.94E-08	4.44E-06	9.32E-05	9.99E-05	3.5E-08	1.0E-07	6.0E-08	5.5E-08	2.5E-08	1.2E-09	2.8E-08	1.4E-08	1.3E-08	3.9E-09	6.0E-08
159	UCART1	571510.6	4177958.99	571510.55, 4177958.99	3.28919	3.30334	3.56459	0.00418	2.09E-06	8.54E-08	4.23E-06	1.02E-04	1.09E-04	3.8E-08	1.1E-07	6.6E-08	6.0E-08	2.7E-08	1.3E-09	3.0E-08	1.6E-08	1.4E-08	4.3E-09	6.6E-08
160	UCART1	571550.6	4177958.99	571550.55, 4177958.99	3.14705	3.14414	3.37788	0.00441	2.00E-06	8.13E-08	4.01E-06	1.08E-04	1.14E-04	3.9E-08	1.2E-07	6.9E-08	6.3E-08	2.9E-08	1.3E-09	3.2E-08	1.6E-08	1.5E-08	4.5E-09	6.9E-08
161	UCART1	571590.6	4177958.99	571590.55, 4177958.99	3.00076	2.98205	3.18413	0.00454	1.90E-06	7.71E-08	3.78E-06	1.11E-04	1.17E-04	4.0E-08	1.2E-07	7.1E-08	6.4E-08	2.9E-08	1.4E-09	3.3E-08	1.7E-08	1.5E-08	4.6E-09	7.1E-08
162	UCART1	571630.6	4177958.99	571630.55, 4177958.99	2.85341	2.82029	2.98955	0.00454	1.81E-06	7.29E-08	3.55E-06	1.11E-04	1.17E-04	4.0E-08	1.2E-07	7.1E-08	6.4E-08	2.9E-08	1.3E-09	3.3E-08	1.7E-08	1.5E-08	4.6E-09	7.0E-08
163	UCART1	571670.6	4177958.99	571670.55, 4177958.99	2.70336	2.65888	2.79557	0.00446	1.71E-06	6.87E-08	3.32E-06	1.09E-04	1.14E-04	4.0E-08	1.2E-07	6.9E-08	6.3E-08	2.9E-08	1.3E-09	3.2E-08	1.6E-08	1.5E-08	4.5E-09	6.9E-08

OPERATIONAL RISK (UNMITIGATED)

166	UCART1	571790.6	4177958.99	571790.55, 4177958.99	2.26701	2.20384	2.2647	0.0039	1.44E-06	5.70E-08	2.69E-06	9.54E-05	9.96E-05	3.4E-08	1.0E-07	6.0E-08	5.5E-08	2.5E-08	1.2E-09	2.8E-08	1.4E-08	1.3E-08	3.9E-09	6.0E-08
167	UCART1	571830.6	4177958.99	571830.55, 4177958.99	2.13167	2.06674	2.11162	0.00367	1.35E-06	5.34E-08	2.51E-06	8.98E-05	9.37E-05	3.2E-08	9.8E-08	5.7E-08	5.1E-08	2.3E-08	1.1E-09	2.6E-08	1.3E-08	1.2E-08	3.7E-09	5.7E-08
168	UCART1	571870.6	4177958.99	571870.55, 4177958.99	2.00295	1.93788	1.97095	0.00343	1.27E-06	5.01E-08	2.34E-06	8.39E-05	8.76E-05	3.0E-08	9.2E-08	5.3E-08	4.8E-08	2.2E-08	1.0E-09	2.4E-08	1.3E-08	1.1E-08	3.5E-09	5.3E-08
169	UCART1	570230.6	4177998.99	570230.55, 4177998.99	1.2289	1.31113	1.37652	0.00064	7.79E-07	3.39E-08	1.63E-06	1.57E-05	1.81E-05	6.3E-09	1.9E-08	1.1E-08	9.9E-09	4.5E-09	2.1E-10	5.1E-09	2.6E-09	2.4E-09	7.1E-10	1.1E-08
170	UCART1	570270.6	4177998.99	570270.55, 4177998.99	1.33076	1.42813	1.48982	0.00073	8.44E-07	3.69E-08	1.77E-06	1.79E-05	2.05E-05	7.1E-09	2.1E-08	1.2E-08	1.1E-08	5.1E-09	2.4E-10	5.7E-09	2.9E-09	2.7E-09	8.1E-10	1.2E-08
171	UCART1	570310.6	4177998.99	570310.55, 4177998.99	1.44056	1.55538	1.61552	0.0008	9.13E-07	4.02E-08	1.92E-06	1.96E-05	2.24E-05	7.8E-09	2.3E-08	1.4E-08	1.2E-08	5.6E-09	2.6E-10	6.3E-09	3.2E-09	2.9E-09	8.9E-10	1.4E-08
172	UCART1	570350.6	4177998.99	570350.55, 4177998.99	1.55795	1.69239	1.75609	0.00087	9.88E-07	4.37E-08	2.09E-06	2.13E-05	2.44E-05	8.4E-09	2.6E-08	1.5E-08	1.3E-08	6.1E-09	2.8E-10	6.8E-09	3.5E-09	3.2E-09	9.6E-10	1.5E-08
173	UCART1	570390.6	4177998.99	570390.55, 4177998.99	1.68376	1.84003	1.9174	0.00089	1.07E-06	4.76E-08	2.28E-06	2.18E-05	2.52E-05	8.7E-09	2.6E-08	1.5E-08	1.4E-08	6.3E-09	2.9E-10	7.0E-09	3.6E-09	3.3E-09	9.9E-10	1.5E-08
174	UCART1	570430.6	4177998.99	570430.55, 4177998.99	1.81908	1.99922	2.10776	0.00089	1.15E-06	5.17E-08	2.50E-06	2.18E-05	2.55E-05	8.8E-09	2.7E-08	1.5E-08	1.4E-08	6.4E-09	2.9E-10	7.1E-09	3.7E-09	3.3E-09	1.0E-09	1.5E-08
175	UCART1	570470.6	4177998.99	570470.55, 4177998.99	1.96565	2.1715	2.34065	0.00087	1.25E-06	5.61E-08	2.78E-06	2.13E-05	2.54E-05	8.8E-09	2.7E-08	1.5E-08	1.4E-08	6.3E-09	2.9E-10	7.1E-09	3.6E-09	3.3E-09	1.0E-09	1.5E-08
176	UCART1	570510.6	4177998.99	570510.55, 4177998.99	2.11487	2.34559	2.61297	0.00084	1.34E-06	6.06E-08	3.10E-06	2.06E-05	2.51E-05	8.7E-09	2.6E-08	1.5E-08	1.4E-08	6.3E-09	2.9E-10	7.0E-09	3.6E-09	3.3E-09	9.9E-10	1.5E-08
177	UCART1	570550.6	4177998.99	570550.55, 4177998.99	2.26787	2.5217	2.94778	0.00081	1.44E-06	6.52E-08	3.50E-06	1.98E-05	2.48E-05	8.6E-09	2.6E-08	1.5E-08	1.4E-08	6.2E-09	2.9E-10	6.9E-09	3.6E-09	3.2E-09	9.8E-10	1.5E-08
178	UCART1	570590.6	4177998.99	570590.55, 4177998.99	2.42501	2.69809	3.37727	0.00078	1.54E-06	6.97E-08	4.01E-06	1.91E-05	2.47E-05	8.6E-09	2.6E-08	1.5E-08	1.4E-08	6.2E-09	2.9E-10	6.9E-09	3.6E-09	3.2E-09	9.8E-10	1.5E-08
179	UCART1	570630.6	4177998.99	570630.55, 4177998.99	2.58232	2.87017	3.95241	0.00076	1.64E-06	7.42E-08	4.69E-06	1.86E-05	2.50E-05	8.7E-09	2.6E-08	1.5E-08	1.4E-08	6.3E-09	2.9E-10	7.0E-09	3.6E-09	3.3E-09	9.9E-10	1.5E-08
180	UCART1	570670.6	4177998.99	570670.55, 4177998.99	2.7407	3.03923	4.78415	0.00071	1.74E-06	7.86E-08	5.68E-06	1.74E-05	2.49E-05	8.6E-09	2.6E-08	1.5E-08	1.4E-08	6.2E-09	2.9E-10	6.9E-09	3.6E-09	3.2E-09	9.8E-10	1.5E-08
181	UCART1	570710.6	4177998.99	570710.55, 4177998.99	2.89777	3.20306	6.12165	0.00064	1.84E-06	8.28E-08	7.27E-06	1.57E-05	2.49E-05	8.6E-09	2.6E-08	1.5E-08	1.4E-08	6.2E-09	2.9E-10	6.9E-09	3.6E-09	3.2E-09	9.8E-10	1.5E-08
182	UCART1	570750.6	4177998.99	570750.55, 4177998.99	3.05054	3.35985	8.72422	0.00057	1.93E-06	8.69E-08	1.04E-05	1.39E-05	2.63E-05	9.1E-09	2.8E-08	1.6E-08	1.4E-08	6.6E-09	3.0E-10	7.4E-09	3.8E-09	3.4E-09	1.0E-09	1.6E-08
183	UCART1	570790.6	4177998.99	570790.55, 4177998.99	3.19836	3.51233	16.00794	0.00051	2.03E-06	9.08E-08	1.90E-05	1.25E-05	3.36E-05	1.2E-08	3.5E-08	2.0E-08	1.8E-08	8.4E-09	3.9E-10	9.4E-09	4.8E-09	4.4E-09	1.3E-09	2.0E-08
184	UCART1	570830.6	4177998.99	570830.55, 4177998.99	3.34554	3.6687	20.10375	0.00048	2.12E-06	9.48E-08	2.39E-05	1.17E-05	3.78E-05	1.3E-08	4.0E-08	2.3E-08	2.1E-08	9.5E-09	4.4E-10	1.1E-08	5.4E-09	4.9E-09	1.5E-09	2.3E-08
185	UCART1	570870.6	4177998.99	570870.55, 4177998.99	3.49112	3.82999	23.01952	0.00046	2.21E-06	9.90E-08	2.73E-05	1.13E-05	4.09E-05	1.4E-08	4.3E-08	2.5E-08	2.2E-08	1.0E-08	4.7E-10	1.1E-08	5.9E-09	5.3E-09	1.6E-09	2.5E-08
186	UCART1	570910.6	4177998.99	570910.55, 4177998.99	3.63845	3.99873	14.44649	0.00046	2.31E-06	1.03E-07	1.72E-05	1.13E-05	3.08E-05	1.1E-08	3.2E-08	1.9E-08	1.7E-08	7.7E-09	3.6E-10	8.6E-09	4.4E-09	4.0E-09	1.2E-09	1.9E-08
187	UCART1	570950.6	4177998.99	570950.55, 4177998.99	3.79318	4.17778	10.56728	0.00047	2.41E-06	1.08E-07	1.26E-05	1.15E-05	2.66E-05	9.2E-09	2.8E-08	1.6E-08	1.5E-08	6.6E-09	3.1E-10	7.4E-09	3.8E-09	3.5E-09	1.0E-09	1.6E-08
188	UCART1	570990.6	4177998.99	570990.55, 4177998.99	3.95617	4.36297	8.49099	0.00048	2.51E-06	1.13E-07	1.01E-05	1.17E-05	2.45E-05	8.5E-09	2.6E-08	1.5E-08	1.3E-08	6.1E-09	2.8E-10	6.8E-09	3.5E-09	3.2E-09	9.7E-10	1.5E-08
189	UCART1	571030.6	4177998.99	571030.55, 4177998.99	4.1231	4.54556	7.25155	0.00051	2.61E-06	1.18E-07	8.61E-06	1.25E-05	2.38E-05	8.2E-09	2.5E-08	1.4E-08	1.3E-08	6.0E-09	2.8E-10	6.7E-09	3.4E-09	3.1E-09	9.4E-10	1.4E-08
190	UCART1	571070.6	4177998.99	571070.55, 4177998.99	4.2889	4.71749	6.46589	0.00059	2.72E-06	1.22E-07	7.68E-06	1.44E-05	2.50E-05	8.6E-09	2.6E-08	1.5E-08	1.4E-08	6.2E-09	2.9E-10	7.0E-09	3.6E-09	3.3E-09	9.9E-10	1.5E-08
191	UCART1	571110.6	4177998.99	571110.55, 4177998.99	4.42544	4.84113	5.92758	0.00068	2.81E-06	1.25E-07	7.04E-06	1.66E-05	2.66E-05	9.2E-09	2.8E-08	1.6E-08	1.5E-08	6.7E-09	3.1E-10	7.4E-09	3.8E-09	3.5E-09	1.1E-09	1.6E-08
192	UCART1	571150.6	4177998.99	571150.55, 4177998.99	4.56107	4.93835	5.59055	0.00083	2.89E-06	1.28E-07	6.64E-06	2.03E-05	3.00E-05	1.0E-08	3.1E-08	1.8E-08	1.6E-08	7.5E-09	3.5E-10	8.4E-09	4.3E-09	3.9E-09	1.2E-09	1.8E-08
193	UCART1	571190.6	4177998.99	571190.55, 4177998.99	4.63429	4.95051	5.33909	0.00109	2.94E-06	1.28E-07	6.34E-06	2.67E-05	3.61E-05	1.2E-08	3.8E-08	2.2E-08	2.0E-08	9.0E-09	4.2E-10	1.0E-08	5.2E-09	4.7E-09	1.4E-09	2.2E-08
194	UCART1	571230.6	4177998.99	571230.55, 4177998.99	4.65159	4.89817	5.16803	0.00145	2.95E-06	1.27E-07	6.14E-06	3.55E-05	4.47E-05	1.5E-08	4.7E-08	2.7E-08	2.5E-08	1.1E-08	5.2E-10	1.2E-08	6.4E-09	5.8E-09	1.8E-09	2.7E-08
195	UCART1	571270.6	4177998.99	571270.55, 4177998.99	4.60695	4.78909	5.04218	0.00196	2.92E-06	1.24E-07	5.99E-06	4.80E-05	5.70E-05	2.0E-08	6.0E-08	3.4E-08	3.1E-08	1.4E-08	6.6E-10	1.6E-08	8.2E-09	7.4E-09	2.2E-09	3.4E-08
196	UCART1	571310.6	4177998.99	571310.55, 4177998.99	4.50992	4.64144	4.94467	0.00261	2.86E-06	1.20E-07	5.87E-06	6.39E-05	7.27E-05	2.5E-08	7.6E-08	4.4E-08	4.0E-08	1.8E-08	8.4E-10	2.0E-08	1.0E-08	9.5E-09	2.9E-09	4.4E-08
197	UCART1	571350.6	4177998.99	571350.55, 4177998.99	4.37901	4.47207	4.86003	0.00335	2.78E-06	1.16E-07	5.77E-06	8.20E-05	9.06E-05	3.1E-08	9.5E-08	5.5E-08	5.0E-08	2.3E-08	1.0E-09	2.5E-08	1.3E-08	1.2E-08	3.6E-09	5.5E-08
198	UCART1	571390.6	4177998.99	571390.55, 4177998.99	4.22418	4.28665	4.76078	0.00405	2.68E-06	1.11E-07	5.65E-06	9.91E-05	1.08E-04	3.7E-08	1.1E-07	6.5E-08	5.9E-08	2.7E-08	1.2E-09	3.0E-08	1.5E-08	1.4E-08	4.2E-09	6.5E-08
199	UCART1	571430.6	4177998.99	571430.55, 4177998.99	4.05349	4.0887	4.60593	0.00462	2.57E-06	1.06E-07	5.47E-06	1.13E-04	1.21E-04	4.2E-08	1.3E-07	7.3E-08	6.6E-08	3.0E-08	1.4E-09	3.4E-08	1.7E-08	1.6E-08	4.8E-09	7.3E-08
200	UCART1	571470.6	4177998.99	571470.55, 4177998.99	3.87864	3.88631	4.3985	0.00507	2.46E-06	1.00E-07	5.22E-06	1.24E-04	1.32E-04	4.6E-08	1.4E-07	8.0E-08	7.2E-08	3.3E-08	1.5E-09	3.7E-08	1.9E-08	1.7E-08	5.2E-09	8.0E-08
201	UCART1	571510.6	4177998.99	571510.55, 4177998.99	3.69249	3.67518	4.15049	0.00535	2.34E-06	9.50E-08	4.93E-06	1.31E-04	1.38E-04	4.8E-08	1.4E-07	8.4E-08	7.6E-08	3.5E-08	1.6E-09	3.9E-08	2.0E-08	1.8E-08	5.5E-09	8.4E-08
202	UCART1	571550.6	4177998.99	571550.55, 4177998.99	3.49843	3.4598	3.87681	0.00547	2.22E-06	8.94E-08	4.60E-06	1.34E-04	1.41E-04	4.9E-08	1.5E-07	8.5E-08	7.7E-08	3.5E-08	1.6E-09	3.9E-08	2.0E-08	1.8E-08	5.6E-09	8.5E-08
203	UCART1	571590.6	4177998.99	571590.55, 4177998.99	3.30358	3.24654	3.59501	0.00544	2.09E-06	8.39E-08	4.27E-06	1.33E-04	1.40E-04	4.8E-08	1.5E-07	8.4E-08	7.7E-08	3.5E-08	1.6E-09	3.9E-08	2.0E-08	1.8E-08	5.5E-09	8.4E-08
204	UCART1	571630.6	4177998.99	571630.55, 4177998.99	3.10778	3.03704	3.31625	0.00531	1.97E-06	7.85E-08	3.94E-06	1.30E-04	1.36E-04	4.7E-08	1.4E-07	8.2E-08	7.5E-08	3.4E-08	1.6E-09	3.8E-08	2.0E-08	1.8E-08	5.4E-09	8.2E-08
205	UCART1	571670.6	4177998.99	571670.55, 4177998.99	2.91364	2.83404	3.05133	0.0051	1.85E-06	7.33E-08	3.62E-06	1.25E-04	1.30E-04	4.5E-08	1.4E-07	7.9E-08	7.1E-08	3.3E-08	1.5E-09	3.6E-08	1.9E-08	1.7E-08	5.1E-09	7.9E-08
206	UCART1	571710.6	4177998.99	571710.55, 4177998.99	2.7251	2.64032	2.80659	0.00484	1.73E-06	6.83E-08	3.33E-06	1.18E-04	1.24E-04	4.3E-08	1.3E-07	7.5E-08	6.8E-08	3.1E-08	1.4E-09	3.5E-08	1.8E-08	1.6E-08	4.9E-09	7.5E-08
207	UCART1	571750.6	4177998.99	571750.55, 4177998.99	2.54672	2.45972	2.58618	0.00452	1.61E-06	6.36E-08	3.07E-06	1.11E-04	1.15E-04	4.0E-08	1.2E-07	7.0E-08	6.3E-08	2.9E-08	1.3E-09	3.2E-08	1.7E-08	1.5E-08	4.6E-09	7.0E-08
208	UCART1	571790.6	4177998.99	571790.55, 4177998.99	2.37776	2.29107	2.38767	0.00422	1.51E-06	5.92E-08	2.84E-06	1.03E-04	1.08E-04	3.7E-08	1.1E-07	6.5E-08	5.9E-08	2.7E-08	1.2E-09	3.0E-08	1.5E-08	1.4E-08	4.3E-09	6.5E-08
209	UCART1	571830.6	4177998.99	571830.55, 4177998.99	2.21963	2.13505	2.20992	0.00393	1.41E-06	5.52E-08	2.62E-06	9.62E-05	1.00E-04	3.5E-08	1.0E-07	6.1E-08	5.5E-08	2.5E-08	1.2E-09	2.8E-08	1.4E-08	1.3E-08	4.0E-09	6.1E-08
210	UCART1	571870.6	4177998.99	571870.55, 4177998.99	2.07269	1.99144	2.05084	0.00365	1.31E-06	5.15E-08	2.44E-06	8.93E-05	9.31E-05	3.2E-08	9.7E-08	5.6E-08	5.1E-08	2.3E-08	1.1E-09	2.6E-08	1.3E-08	1.2E-08	3.7E-09	5.6E-08
211	UCART1	570230.6	4178038.99	570230.55, 4178038.99	1.23629	1.31389	1.41124	0.00061	7.84E-07	3.40E-08	1.68E-06	1.49E-05	1.74E-05	6.0E-09	1.8E-08	1.1E-08	9.6E-09	4.4E-09	2.0E-10	4.9E-09	2.5E-09	2.3E-09	6.9E-10	1.1E-08
212	UCART1	570270.6	4178038.99	570270.55, 4178038.99	1.34549	1.43855	1.53295	0.00073	8.53E-07	3.72E-08	1.82E-06	1.79E-05	2.06E-05	7.1E-09	2.2E-08	1.2E-08	1.1E-08	5.1E-09	2.4E-10	5.7E-09	3.0E-09	2.7E-09	8.1E-10	1.2E-08
213	UCART1	570310.6	4178038.99	570310.55, 4178038.99	1.46555	1.57728	1.66952	0.00084	9.29E-07	4.08E-08	1.98E-06	2.06E-05	2.35E-05	8.1E-09	2.5E-08	1.4E-08	1.3E-08	5.9E-09	2.7E-10	6.6E-09	3.4E-09	3.1E-09	9.3E-10	1.4E-08
214	UCART1	570350.6	4178038.99	570350.55, 4178038.99	1.59729	1.73131	1.82498	0.00093	1.01E-06	4.48E-08	2.17E-06	2.28E-05	2.60E-05	9.0E-09	2.7E-08	1.6E-08	1.4E-08	6.5E-09	3.0E-10	7.3E-09	3.7E-09	3.4E-09	1.0E-09	1.6E-08
215	UCART1	570390.6	4178038.99	570390.55, 4178038.99	1.73944	1.89916	2.00087	0.00101	1.10E-06	4.91E-08	2.38E-06	2.47E-05	2.82E-05	9.8E-09	3.0E-08	1.7E-08	1.5E-08	7.1E-09	3.3E-10	7.9E-09	4.1E-09	3.7E-09	1.1E-09	1.7E-08
216	UCART1	570430.6	4178038.99	570430.55, 4178038.99	1.89716	2.08709	2.21336	0.00103	1.20E-06	5.40E-08	2.63E-06	2.52E-05	2.91E-05	1.0E-08	3.0E-08	1.8E-08	1.6E-08	7.3E-09	3.4E-10	8.1E-09	4.2E-09	3.8E-09	1.1E-09	1.8E-08
217	UCART1	570470.6	4178038.99	570470.55, 4178038.99	2.06848	2.29235	2.46931	0.00104	1.31E-06	5.93E-08	2.93E-06	2.54E-05	2.98E-05	1.0E-08	3.1E-08	1.8E-08	1.6E-08	7.4E-09	3.4E-10	8.3E-09	4.3E-09	3.9E-09	1.2E-09	1.8E-08
218	UCART1	570510.6	4178038.99	570510.55, 4178038.99	2.24854	2.50842	2.77472	0.00101	1.43E-06	6.48E-08	3.30E-06	2.47E-05	2.95E-05	1.0E-08	3.1E-08	1.8E-08	1.6E-08	7.4E-09	3.4E-10	8.2E-09	4.2E-09	3.8E-09	1.2E-09	1.8E-08
219	UCART1	570550.6	4178038.99	570550.55, 4178038.99	2.43803	2.73425	3.15424	0.00097	1.55E-06	7.07E-08	3.75E-06	2.37E-05	2.91E-05	1.0E-08	3.0E-08	1.8E-08	1.6E-08	7.3E-09	3.4E-10	8.1E-09	4.2E-09	3.8E-09	1.1E-09	1.8E-08
220	UCART1	570590.6	4178038.99	570590.55, 4178038.99	2.63782	2.96805	3.64802	0.00092	1.67E-06	7.67E-08	4.33E-06	2.25E-05	2.86E-05	9.9E-09	3.0E-08	1.7E-08	1.6E-08	7.2E-09	3.3E-10	8.0E-09	4.1E-09	3.7E-09	1.1E-09	1.7E-08
221	UCART1	570630.6	4178038.99	570630.55, 4178038.99	2.84331	3.20362	4.32133	0.00089	1.80E-06	8.28E-08	5.13E-06	2.18E-05	2.88E-05	1.0E-08	3.0E-08	1.7E-08	1.6E-08	7.2E-09	3.3E-10	8.0E-09	4.1E-09	3.8E-09	1.1E-09	1.7E-08
222	UCART1	570670.6	4178038.99	570670.55, 4178038.99	3.05556	3.44094	5.31482	0.00084	1.94E-06	8.89E-08	6.31E-06	2.06E-05	2.89E-05	1.0E-08	3.0E-08	1.7E-08	1.6E-08	7.2E-09	3.3E-10	8.1E-09	4.2E-09	3.8E-09	1.1E-09	1.7E-08
223	UCART1	570710.6	4178038.99	570710.55, 4178038.99	3.27096	3.67448	6.94561	0.00076	2.07E-06	9.50E-08	8.25E-06	1.86E-05	2.90E-05	1.0E-08	3.0E-08	1.8E-08	1.6E-08	7.3E-09	3.4E-10	8.1E-09	4.2E-09	3.8E-09	1.1E-09	1.8E-08
224	UCART1	570750.6	4178038.99	570750.55, 4178038.99	3.48556	3.90025	10.13567	0.00067	2.21E-06	1.01E-07	1.20E-05	1.64E-05	3.07E-05	1.1E-08	3.2E-08	1.9E-08	1.7E-08	7.7E-09	3.6E-10	8.6E-09	4.4E-09	4.0E-09	1.2E-09	1.9E-08
225	UCART1	570790.6	4178038.99	570790.55, 4178038.99	3.69653	4.11835	18.5462	0.0006	2.34E-06	1.06E-07	2.20E-05	1.47E-05	3.92E-05	1.4E-08	4.1E-08	2.4E-08	2.1E-08	9.8E-09	4.5E-10	1.1E-08	5.6E-09	5.1E-09	1.5E-09	2.4E-08
226	UCART1	570830.6	4178038.99	570830.55, 4178038.99	3.90498	4.33555	22.95233	0.00055	2.48E-06	1.12E-07	2.73E-05	1.35E-05	4.33E-05	1.5E-08	4.5E-08	2.6E-08	2.4E-08	1.1E-08	5.0E-10	1.2E-08	6.2E-09	5.6E-09	1.7E-09	2.6E-08
227	UCART1	570870.6	4178038.99	570870.55, 4178038.99	4.10726	4.55288	25.02321	0.00051	2.60E-06	1.18E-07	2.97E-05	1.25E-05	4.49E-05	1.6E-08	4.7E-08	2.7E-08	2.5E-08	1.1E-08	5.2E-10	1.3E-08	6.5E-09	5.9E-09	1.8E-09	2.7E-08
228	UCART1	570910.6	4178038.99	570910.55, 4178038.99	4.30629	4.7763	15.9521	0.00051	2.73E-06	1.23E-07	1.89E-05	1.25E-05	3.43E-05	1.2E-08	3.6E-08	2.1E-08	1.9E-08	8.6E-09	4.0E-10	9.6E-09	4.9E-09	4.5E-09	1.4E-09	2.1E-08
229	UCART1	570950.6	4178038.99	570950.55, 4178038.99	4.50945	5.01193	11.73304	0.00052	2.86E-06	1.30E-07	1.39E-05	1.27E-05	2.96E-05	1.0E-08	3.1E-08	1.8E-08	1.6E-08	7.4E-09	3.4E-10	8.3E-09	4.3E-09	3.9E-09	1.2E-09	1.8E-08
230	UCART1	570990.6	4178038.99	570990.55, 4178038.99	4.72393	5.2599	9.44343	0.00054	3.00E-06	1.36E-07	1.12E-05	1.32E-05	2.76E-05	9.5E-09	2.9E-08	1.7E-08	1.5E-08	6.9E-09	3.2E-10	7.7E-09	4.0E-09	3.6E-09	1.1E-09	1.7E-08
231	UCART1	571030.6	4178038.99	571030.55, 4178038.99	4.94886	5.5097	8.07939	0.00059	3.14E-06	1.42E-07	9.60E-06	1.44E-05	2.73E-05	9.5E-09	2.9E-08	1.7E-08	1.5E-08	6.8E-09	3.2E-10	7.6E-09	3.9E-09	3.6E-09	1.1E-09	1.7E-08
232	UCART1	571070.6	4178038.99	571070.55, 4178038.99	5.16472	5.73235	7.21846	0.00071	3.28E-06	1.48E-07	8.57E-06	1.74E-05	2.94E-05	1.0E-08	3.1E-08	1.8E-08	1.6E-08	7.4E-09	3.4E-10	8.2E-09	4.2E-09	3.8E-09	1.2E-09	1.8E-08
233	UCART1	571110.6	4178038.99	571110.55, 4178038.99	5.3229	5.88545	6.58644	0.00085	3.38E-06	1.52E-07	7.82E-06	2.08E-05	3.21E-05	1.1E-08	3.4E-08	1.9E-08	1.8E-08	8.0E-09	3.7E-10	9.0E-09	4.6E-09	4.2E-09	1.3E-09	1.9E-08
234	UCART1	571150.6	4178038.99	571150.55, 4178038.99	5.50826	5.98154	6.34167	0.00115	3.49E-06	1.55E-07	7.53E-06	2.81E-05	3.93E-05	1.4E-08	4.1E-08	2.4E-08	2.2E-08	9.8E-09	4.5E-10	1.1E-08	5.7E-09	5.1E-09	1.6E-09	2.4E-08
235	UCART1	571190.6	4178038.99	571190.55, 4178038.99	5.58877	5.96278	6.14803	0.00158	3.54E-06	1.54E-07	7.30E-06	3.87E-05	4.97E-05	1.7E-08	5.2E-08	3.0E-08	2.7E-08	1.2E-08	5.7E-10	1.4E-08	7.1E-09	6.5E-09	2.0E-09	3.0E-08
236	UCART1	571230.6	4178038.99	571230.55, 4178038.99	5.57588	5.84926	6.06014	0.00221	3.54E-06	1.51E-07	7.20E-06	5.41E-05	6.50E-05	2.2E-08	6.8E-08	3.9E-08	3.6E-08	1.6E-08	7.5E-10	1.8E-08	9.3E-09	8.5E-09	2.6E-09	3.9E-08
237	UCART1	571270.6	4178038.99	571270.55, 4178038.99	5.47983	5.66981	6.02578	0.0031	3.47E-06	1.47E-07	7.16E-06	7.59E-05	8.66E-05	3.0E-08	9.1E-08	5.2E-08	4.8E-08	2.2E-08	1.0E-09	2.4E-08	1.2E-08	1.1E-08	3.4E-09	5.2E-08
238	UCART1	571310.6	4178038.99	571310.55, 4178038.99	5.32258	5.44943	6.00557	0.00407	3.38E-06	1.41E-07	7.13E-06	9.96E-05	1.10E-04	3.8E-08	1.2E-07	6.7E-08	6.0E-08	2.8E-08	1.3E-09	3.1E-08	1.6E-08	1.4E-08	4.4E-09	6.7E-08
239	UCART1	571350.6	4178038.99	571350.55, 4178038.99	5.12597	5.20222	5.98335	0.00492	3.25E-06	1.34E-07	7.11E-06	1.20E-04	1.31E-04	4.5E-08	1.4E-07	7.9E-08	7.2E-08	3.3E-08	1.5E-09	3.7E-08	1.9E-08	1.7E-08	5.2E-09	7.9E-08
240	UCART1	571390.6	4178038.99	571390.55, 4178038.99	4.90269	4.93458	5.91275	0.00566	3.11E-06	1.28E-07	7.02E-06	1.38E-04	1.49E-04	5.1E-08	1.6E-07	9.0E-08	8.2E-08	3.7E-08	1.7E-09	4.2E-08	2.1E-08	1.9E-08	5.9E-09	9.0E-08
241	UCART1	571430.6	4178038.99	571430.55, 4178038.99	4.66062	4.65207	5.70498	0.00619	2.96E-06	1.20E-07	6.78E-06	1.51E-04	1.61E-04	5.6E-08	1.7E-07	9.8E-08	8.8E-08	4.0E-08	1.9E-09	4.5E-08	2.3E-08	2.1E-08	6.4E-09	9.7E-08
242	UCART1	571470.6	4178038.99	571470.55, 4178038.99	4.40592	4.36102	5.3661	0.00651	2.79E-06	1.13E-07	6.37E-06	1.59E-04	1.69E-04	5.8E-08	1.8E-07	1.0E-07	9.2E-08	4.2E-08	1.9E-09	4.7E-08	2.4E-08	2.2E-08	6.7E-09	1.0E-07
243	UCART1	571510.6	4178038.99	571510.55, 4178038.99	4.14077	4.0668	4.9371	0.00662	2.63E-06	1.05E-07	5.86E-06	1.62E-04	1.71E-04	5.9E-08	1.8E-07	1.0E-07	9.4E-08	4.3E-08	2.0E-09	4.8E-08	2.5E-08	2.2E-08	6.7E-09	1.0E-07
244	UCART1	571550.6	4178038.99	571550.55, 4178038.99	3.87427	3.77795	4.47758	0.00655	2.46E-06	9.77E-08	5.32E-06	1.60E-04	1.68E-04	5.8E-08	1.8E-07	1.0E-07	9.2E-08	4.2E-08	1.9E-09	4.7E-08	2.4E-08	2.2E-08	6.6E-09	1.0E-07
245	UCART1	571590.6	4178038.99	571590.55, 4178038.99	3.61011	3.49917	4.03632	0.00636	2.29E-06	9.05E-08	4.79E-06	1.56E-04	1.63E-04	5.6E-08	1.7E-07	9.9E-08	8.9E-08	4.1E-08	1.9E-09	4.5E-08	2.3E-08	2.1E-08	6.4E-09	9.8E-08
246	UCART1	571630.6	4178038.99	571630.55, 4178038.99	3.35414	3.23526	3.6387	0.00605	2.13E-06	8.36E-08	4.32E-06	1.48E-04	1.55E-04	5.4E-08	1.6E-07	9.4E-08	8.5E-08	3.9E-08	1.8E-09	4.3E-08	2.2E-08	2.0E-08	6.1E-09	9.3E-08
247	UCART1	571670.6	4178038.99	571670.55, 4178038.99	3.10893	2.98772	3.28954	0.00568	1.97E-06	7.72E-08	3.91E-06	1.39E-04	1.45E-04	5.0E-08	1.5E-07	8.8E-08	8.0E-08	3.6E-08	1.7E-09	4.0E-08	2.1E-08	1.9E-08	5.7E-09	8.8E-08
248	UCART1	571710.6	4178038.99	571710.55, 4178038.99	2.87886	2.7592	2.98662	0.00529	1.83E-06	7.13E-08	3.55E-06	1.29E-04	1.35E-04	4.7E-08	1.4E-07	8.2E-08	7.4E-08	3.4E-08	1.6E-09	3.8E-08	1.9E-08	1.8E-08	5.3E-09	8.2E-08
249	UCART1	571750.6	4178038.99	571750.55, 4178038.99	2.66612	2.55065	2.72492	0.00487	1.69E-06	6.59E-08	3.24E-06	1.19E-04	1.24E-04	4.3E-08	1.3E-07	7.5E-08	6.8E-08	3.1E-08	1.4E-09	3.5E-08	1.8E-08	1.6E-08	4.9E-09	7.5E-08
250	UCART1	571790.6	4178038.99	571790.55, 4178038.99	2.47012	2.36059	2.49727	0.00451	1.57E-06	6.10E-08	2.97E-06	1.10E-04	1.15E-04	4.0E-08	1.2E-07	7.0E-08	6.3E-08	2.9E-08	1.3E-09	3.2E-08	1.7E-08	1.5E-08	4.5E-09	6.9E-08
251	UCART1	571830.6	4178038.99	571830.55, 4178038.99	2.2911	2.18847	2.29864	0.00415	1.45E-06	5.66E-08	2.73E-06	1.02E-04	1.06E-04	3.7E-08	1.1E-07	6.4E-08	5.8E-08	2.6E-08	1.2E-09	3.0E-08	1.5E-08	1.4E-08	4.2E-09	6.4E-08
252	UCART1	571870.6	4178038.99	571870.55, 4178038.99	2.12803	2.0327	2.1241	0.00381	1.35E-06	5.25E-08	2.52E-06	9.32E-05	9.72E-05	3.4E-08	1.0E-07	5.9E-08	5.3E-08	2.4E-08	1.1E-09	2.7E-08	1.4E-08	1.3E-08	3.8E-09	5.9E-08
253	UCART1	570230.6	4178078.99	570230.55, 4178078.99	1.23667	1.30868	1.44168	0.00057	7.84E-07	3.38E-08	1.71E-06	1.39E-05	1.65E-05	5.7E-09	1.7E-08	1.0E-08	9.0E-09	4.1E-09	1.9E-10	4.6E-09	2.4E-09	2.1E-09	6.5E-10	1.0E-08
254	UCART1	570270.6	4178078.99	570270.55, 4178078.99	1.35126	1.43809	1.57129	0.00069	8.57E-07	3.72E-08	1.87E-06	1.69E-05	1.96E-05	6.8E-09	2.1E-08	1.2E-08	1.1E-08	4.9E-09	2.3E-10	5.5E-09	2.8E-09	2.6E-09	7.8E-10	1.2E-08
255	UCART1	570310.6	4178078.99	570310.55, 4178078.99	1.47957	1.58503	1.71831	0.00083	9.38E-07	4.10E-08	2.04E-06	2.03E-05	2.33E-05	8.1E-09	2.4E-08	1.4E-08	1.3E-08	5.8E-09	2.7E-10	6.5E-09	3.4E-09	3.0E-09	9.2E-10	1.4E-08
256	UCART1	570350.6	4178078.99	570350.55, 4178078.99	1.62287	1.75155	1.88668	0.00096	1.03E-06	4.53E-08	2.24E-06	2.35E-05	2.68E-05	9.3E-09	2.8E-08	1.6E-08	1.5E-08	6.7E-09	3.1E-10	7.5E-09	3.9E-09	3.5E-09	1.1E-09	1.6E-08
257	UCART1	570390.6	4178078.99	570390.55, 4178078.99	1.78282	1.94019	2.08277	0.00109	1.13E-06	5.02E-08	2.47E-06	2.67E-05	3.03E-05	1.0E-08	3.2E-08	1.8E-08	1.7E-08	7.6E-09	3.5E-10	8.5E-09	4.4E-09	4.0E-09	1.2E-09	1.8E-08
258	UCART1	570430.6	4178078.99	570430.55, 4178078.99	1.95892	2.15072	2.31122	0.00118	1.24E-06	5.56E-08	2.75E-06	2.89E-05	3.29E-05	1.1E-08	3.4E-08	2.0E-08	1.8E-08	8.2E-09	3.8E-10	9.2E-09	4.7E-09	4.3E-09	1.3E-09	2.0E-08
259	UCART1	570470.6	4178078.99	570470.55, 4178078.99	2.15369	2.38641	2.58686	0.00121	1.37E-06	6.17E-08	3.07E-06	2.96E-05	3.41E-05	1.2E-08	3.6E-08	2.1E-08	1.9E-08	8.5E-09	3.9E-10	9.5E-09	4.9E-09	4.4E-09	1.3E-09	2.1E-08
260	UCART1	570510.6	4178078.99	570510.55, 4178078.99	2.3699	2.65049	2.93225	0.00121	1.50E-06	6.85E-08	3.48E-06	2.96E-05	3.47E-05	1.2E-08	3.6E-08	2.1E-08	1.9E-08	8.7E-09	4.0E-10	9.7E-09	5.0E-09	4.5E-09	1.4E-09	2.1E-08
261	UCART1	570550.6	4178078.99	570550.55, 4178078.99	2.60052	2.93338	3.35905	0.00116	1.65E-06	7.58E-08	3.99E-06	2.84E-05	3.41E-05	1.2E-08	3.6E-08	2.1E-08	1.9E-08	8.5E-09	3.9E-10	9.5E-09	4.9E-09	4.4E-09	1.3E-09	2.1E-08
262	UCART1	570590.6	4178078.99	570590.55, 4178078.99	2.84799	3.235	3.91643	0.0011	1.81E-06	8.36E-08	4.65E-06	2.69E-05	3.35E-05	1.2E-08	3.5E-08	2.0E-08	1.8E-08	8.4E-09	3.9E-10	9.3E-09	4.8E-09	4.4E-09	1.3E-09	2.0E-08
263	UCART1	570630.6	4178078.99	570630.55, 4178078.99	3.11066	3.55091	4.68507	0.00105	1.97E-06	9.18E-08	5.56E-06	2.57E-05	3.33E-05	1.2E-08	3.5E-08	2.0E-08	1.8E-08	8.3E-09	3.9E-10	9.3E-09	4.8E-09	4.3E-09	1.3E-09	2.0E-08
264	UCART1	570670.6	4178078.99	570670.55, 4178078.99	3.3901	3.88064	5.8309	0.00099	2.15E-06	1.00E-07	6.93E-06	2.42E-05	3.34E-05	1.2E-08	3.5E-08	2.0E-08	1.8E-08	8.4E-09	3.9E-10	9.3E-09	4.8E-09	4.4E-09	1.3E-09	2.0E-08
265	UCART1	570710.6	4178078.99	570710.55, 4178078.99	3.68224	4.21523	7.71619	0.0009	2.33E-06	1.09E-07	9.16E-06	2.20E-05	3.36E-05	1.2E-08	3.5E-08	2.0E-08	1.8E-08	8.4E-09	3.9E-10	9.4E-09	4.8E-09	4.4E-09	1.3E-09	2.0E-08
266	UCART1	570750.6	4178078.99	570750.55, 4178078.99	3.98371	4.54848	11.37033	0.00079	2.53E-06	1.18E-07	1.35E-05	1.93E-05	3.55E-05	1.2E-08	3.7E-08	2.1E-08	1.9E-08	8.9E-09	4.1E-10	9.9E-09	5.1E-09	4.6E-09	1.4E-09	2.1E-08
267	UCART1	570790.6	4178078.99	570790.55, 4178078.99	4.28947	4.87523	21.10825	0.0007	2.72E-06	1.26E-07	2.51E-05	1.71E-05	4.50E-05	1.6E-08	4.7E-08	2.7E-08	2.5E-08	1.1E-08	5.2E-10	1.3E-08	6.5E-09	5.9E-09	1.8E-09	2.7E-08
268	UCART1	570830.6	4178078.99	570830.55, 4178078.99	4.59745	5.19795	23.55879	0.00063	2.92E-06	1.34E-07	2.80E-05	1.54E-05	4.64E-05	1.6E-08	4.9E-08	2.8E-08	2.5E-08	1.2E-08	5.4E-10	1.3E-08	6.7E-09	6.1E-09	1.8E-09	2.8E-08
269	UCART1	570870.6	4178078.99	570870.55, 4178078.99	4.89793	5.51351	24.94484	0.00058	3.11E-06	1.43E-07	2.96E-05	1.42E-05	4.71E-05	1.6E-08	4.9E-08	2.8E-08	2.6E-08	1.2E-08	5.4E-10	1.3E-08	6.8E-09	6.1E-09	1.9E-09	2.8E-08
270	UCART1	570910.6	4178078.99	570910.55, 4178078.99	5.18639	5.82592	16.40183	0.00057	3.29E-06	1.51E-07	1.95E-05	1.39E-05	3.69E-05	1.3E-08	3.9E-08	2.2E-08	2.0E-08	9.2E-09	4.3E-10	1.0E-08	5.3E-09	4.8E-09	1.5E-09	2.2E-08
271	UCART1	570950.6	4178078.99	570950.55, 4178078.99	5.47099	6.15117	12.2992	0.00058	3.47E-06	1.59E-07	1.46E-05	1.42E-05	3.24E-05	1.1E-08	3.4E-08	2.0E-08	1.8E-08	8.1E-09	3.7E-10	9.1E-09	4.7E-09	4.2E-09	1.3E-09	2.0E-08
272	UCART1	570990.6	4178078.99	570990.55, 4178078.99	5.77089	6.50236	10.05618	0.00061	3.66E-06	1.68E-07	1.19E-05	1.49E-05	3.07E-05	1.1E-08	3.2E-08	1.9E-08	1.7E-08	7.7E-09	3.5E-10	8.6E-09	4.4E-09	4.0E-09	1.2E-09	1.9E-08
273	UCART1	571030.6	4178078.99	571030.55, 4178078.99	6.0774	6.84747	8.70343	0.00071	3.85E-06	1.77E-07	1.03E-05	1.74E-05	3.17E-05	1.1E-08	3.3E-08	1.9E-08	1.7E-08	7.9E-09	3.7E-10	8.9E-09	4.6E-09	4.1E-09	1.3E-09	1.9E-08
274	UCART1	571070.6	4178078.99	571070.55, 4178078.99	6.37904	7.15196	7.87232	0.00088	4.05E-06	1.85E-07	9.35E-06	2.15E-05	3.51E-05	1.2E-08	3.7E-08	2.1E-08	1.9E-08	8.8E-09	4.1E-10	9.8E-09	5.0E-09	4.6E-09	1.4E-09	2.1E-08
275	UCART1	571110.6	4178078.99	571110.55, 4178078.99	6.62634	7.34539	7.37205	0.0012	4.20E-06	1.90E-07	8.76E-06	2.94E-05	4.25E-05	1.5E-08	4.4E-08	2.6E-08	2.3E-08	1.1E-08	4.9E-10	1.2E-08	6.1E-09	5.5E-09	1.7E-09	2.6E-08
276	UCART1	571150.6	4178078.99	571150.55, 4178078.99	6.82901	7.4241	7.14053	0.00169	4.33E-06	1.92E-07	8.48E-06	4.14E-05	5.44E-05	1.9E-08	5.7E-08	3.3E-08	3.0E-08	1.4E-08	6.3E-10	1.5E-08	7.8E-09	7.1E-09	2.1E-09	3.3E-08
277	UCART1	571190.6	4178078.99	571190.55, 4178078.99	6.88915	7.32642	7.0846	0.00254	4.37E-06	1.89E-07	8.41E-06	6.22E-05	7.51E-05	2.6E-08	7.9E-08	4.5E-08	4.1E-08	1.9E-08	8.7E-10	2.1E-08	1.1E-08	9.8E-09	3.0E-09	4.5E-08
278	UCART1	571230.6	4178078.99	571230.55, 4178078.99	6.8183	7.11274	7.21199	0.00366	4.32E-06	1.84E-07	8.57E-06	8.96E-05	1.03E-04	3.6E-08	1.1E-07	6.2E-08	5.6E-08	2.6E-08	1.2E-09	2.9E-08	1.5E-08	1.3E-08	4.1E-09	6.2E-08
279	UCART1	571270.6	4178078.99	571270.55, 4178078.99	6.63699	6.82034	7.47455	0.0049	4.21E-06	1.76E-07	8.88E-06	1.20E-04	1.33E-04	4.6E-08	1.4E-07	8.1E-08	7.3E-08	3.3E-08	1.5E-09	3.7E-08	1.9E-08	1.7E-08	5.3E-09	8.0E-08
280	UCART1	571310.6	4178078.99	571310.55, 4178078.99	6.38095	6.47604	7.78808	0.00603	4.05E-06	1.67E-07	9.25E-06	1.48E-04	1.61E-04	5.6E-08	1.7E-07	9.7E-08	8.8E-08	4.0E-08	1.9E-09	4.5E-08	2.3E-08	2.1E-08	6.4E-09	9.7E-08
281	UCART1	571350.6	4178078.99	571350.55, 4178078.99	6.07522	6.09449	8.02424	0.00696	3.85E-06	1.58E-07	9.53E-06	1.70E-04	1.84E-04	6.4E-08	1.9E-07	1.1E-07	1.0E-07	4.6E-08	2.1E-09	5.1E-08	2.6E-08	2.4E-08	7.3E-09	1.1E-07
282	UCART1	571390.6	4178078.99	571390.55, 4178078.99	5.73342	5.68759	8.0771	0.0076	3.64E-06	1.47E-07	9.59E-06	1.86E-04	1.99E-04	6.9E-08	2.1E-07	1.2E-07	1.1E-07	5.0E-08	2.3E-09	5.6E-08	2.9E-08	2.6E-08	7.9E-09	1.2E-07
283	UCART1	571430.6	4178078.99	571430.55, 4178078.99	5.36843	5.26922	7.66627	0.00796	3.40E-06	1.36E-07	9.11E-06	1.95E-04	2.07E-04	7.2E-08	2.2E-07	1.3E-07	1.1E-07	5.2E-08	2.4E-09	5.8E-08	3.0E-08	2.7E-08	8.2E-09	1.3E-07
284	UCART1	571470.6	4178078.99	571470.55, 4178078.99	4.99	4.85239	6.82394	0.00803	3.16E-06	1.25E-07	8.11E-06	1.96E-04	2.08E-04	7.2E-08	2.2E-07	1.3E-07	1.1E-07	5.2E-08	2.4E-09	5.8E-08	3.0E-08	2.7E-08	8.2E-09	1.3E-07
285	UCART1	571510.6	4178078.99	571510.55, 4178078.99	4.61449	4.45141	5.90046	0.00789	2.93E-06	1.15E-07	7.01E-06	1.93E-04	2.03E-04	7.0E-08	2.1E-07	1.2E-07	1.1E-07	5.1E-08	2.3E-09	5.7E-08	2.9E-08	2.6E-08	8.0E-09	1.2E-07
286	UCART1	571550.6	4178078.99	571550.55, 4178078.99	4.2477	4.07259	5.09999	0.00761	2.69E-06	1.05E-07	6.06E-06	1.86E-04	1.95E-04	6.8E-08	2.0E-07	1.2E-07	1.1E-07	4.9E-08	2.3E-09	5.4E-08	2.8E-08	2.5E-08	7.7E-09	1.2E-07
287	UCART1	571590.6	4178078.99	571590.55, 4178078.99	3.8994	3.722	4.45173	0.00717	2.47E-06	9.62E-08	5.29E-06	1.75E-04	1.83E-04	6.3E-08	1.9E-07	1.1E-07	1.0E-07	4.6E-08	2.1E-09	5.1E-08	2.6E-08	2.4E-08	7.2E-09	1.1E-07
288	UCART1	571630.6	4178078.99	571630.55, 4178078.99	3.57573	3.40271	3.92991	0.00664	2.27E-06	8.80E-08	4.67E-06	1.62E-04	1.70E-04	5.9E-08	1.8E-07	1.0E-07	9.3E-08	4.2E-08	2.0E-09	4.7E-08	2.4E-08	2.2E-08	6.7E-09	1.0E-07
289	UCART1	571670.6	4178078.99	571670.55, 4178078.99	3.27713	3.11293	3.50328	0.00615	2.08E-06	8.05E-08	4.16E-06	1.50E-04	1.57E-04	5.4E-08	1.6E-07	9.5E-08	8.6E-08	3.9E-08	1.8E-09	4.4E-08	2.3E-08	2.0E-08	6.2E-09	9.5E-08
290	UCART1	571710.6	4178078.99	571710.55, 4178078.99	3.00608	2.853	3.15008	0.00565	1.91E-06	7.37E-08	3.74E-06	1.38E-04	1.44E-04	5.0E-08	1.5E-07	8.7E-08	7.9E-08	3.6E-08	1.7E-09	4.0E-08	2.1E-08	1.9E-08	5.7E-09	8.7E-08
291	UCART1	571750.6	4178078.99	571750.55, 4178078.99	2.76241	2.62142	2.85426	0.00519	1.75E-06	6.78E-08	3.39E-06	1.27E-04	1.32E-04	4.6E-08	1.4E-07	8.0E-08	7.3E-08	3.3E-08	1.5E-09	3.7E-08	1.9E-08	1.7E-08	5.2E-09	8.0E-08
292	UCART1	571790.6	4178078.99	571790.55, 4178078.99	2.5435	2.41477	2.60251	0.00473	1.61E-06	6.24E-08	3.09E-06	1.16E-04	1.21E-04	4.2E-08	1.3E-07	7.3E-08	6.6E-08	3.0E-08	1.4E-09	3.4E-08	1.7E-08	1.6E-08	4.8E-09	7.3E-08
293	UCART1	571830.6	4178078.99	571830.55, 4178078.99	2.3475	2.23064	2.38602	0.0043	1.49E-06	5.77E-08	2.83E-06	1.05E-04	1.10E-04	3.8E-08	1.1E-07	6.6E-08	6.0E-08	2.7E-08	1.3E-09	3.1E-08	1.6E-08	1.4E-08	4.3E-09	6.6E-08
294	UCART1	571870.6	4178078.99	571870.55, 4178078.99	2.17208	2.06641	2.198	0.00391	1.38E-06	5.34E-08	2.61E-06	9.57E-05	9.97E-05	3.5E-08	1.0E-07	6.0E-08	5.5E-08	2.5E-08	1.2E-09	2.8E-08	1.4E-08	1.3E-08	3.9E-09	6.0E-08
295	UCART1	570230.6	4178118.99	570230.55, 4178118.99	1.23118	1.29775	1.46661	0.00052	7.81E-07	3.35E-08	1.74E-06	1.27E-05	1.53E-05	5.3E-09	1.6E-08	9.2E-09	8.4E-09	3.8E-09	1.8E-10	4.3E-09	2.2E-09	2.0E-09	6.0E-10	9.2E-09
296	UCART1	570270.6	4178118.99	570270.55, 4178118.99	1.34951	1.42959	1.60446	0.00064	8.56E-07	3.70E-08	1.91E-06	1.57E-05	1.85E-05	6.4E-09	1.9E-08	1.1E-08	1.0E-08	4.6E-09	2.1E-10	5.2E-09	2.7E-09	2.4E-09	7.3E-10	1.1E-08
297	UCART1	570310.6	4178118.99	570310.55, 4178118.99	1.48359	1.58104	1.76115	0.00077	9.41E-07	4.09E-08	2.09E-06	1.88E-05	2.19E-05	7.6E-09	2.3E-08	1.3E-08	1.2E-08	5.5E-09	2.5E-10	6.1E-09	3.2E-09	2.9E-09	8.7E-10	1.3E-08
298	UCART1	570350.6	4178118.99	570350.55, 4178118.99	1.63609	1.75606	1.94233	0.00094	1.04E-06	4.54E-08	2.31E-06	2.30E-05	2.64E-05	9.1E-09	2.8E-08	1.6E-08	1.4E-08	6.6E-09	3.1E-10	7.4E-09	3.8E-09	3.4E-09	1.0E-09	1.6E-08
299	UCART1	570390.6	4178118.99	570390.55, 4178118.99	1.80899	1.95794	2.15367	0.00112	1.15E-06	5.06E-08	2.56E-06	2.74E-05	3.12E-05	1.1E-08	3.3E-08	1.9E-08	1.7E-08	7.8E-09	3.6E-10	8.7E-09	4.5E-09	4.1E-09	1.2E-09	1.9E-08
300	UCART1	570430.6	4178118.99	570430.55, 4178118.99	2.00469	2.19062	2.40439	0.00128	1.27E-06	5.66E-08	2.86E-06	3.13E-05	3.55E-05	1.2E-08	3.7E-08	2.1E-08	1.9E-08	8.9E-09	4.1E-10	9.9E-09	5.1E-09	4.6E-09	1.4E-09	2.1E-08
301	UCART1	570470.6	4178118.99	570470.55, 4178118.99	2.22415	2.45622	2.70488	0.00138	1.41E-06	6.35E-08	3.21E-06	3.38E-05	3.85E-05	1.3E-08	4.0E-08	2.3E-08	2.1E-08	9.6E-09	4.4E-10	1.1E-08	5.5E-09	5.0E-09	1.5E-09	2.3E-08
302	UCART1	570510.6	4178118.99	570510.55, 4178118.99	2.46845	2.75673	3.07262	0.00141	1.57E-06	7.13E-08	3.65E-06	3.45E-05	3.98E-05	1.4E-08	4.2E-08	2.4E-08	2.2E-08	1.0E-08	4.6E-10	1.1E-08	5.7E-09	5.2E-09	1.6E-09	2.4E-08
303	UCART1	570550.6	4178118.99	570550.55, 4178118.99	2.74618	3.10319	3.55548	0.0014	1.74E-06	8.02E-08	4.22E-06	3.43E-05	4.03E-05	1.4E-08	4.2E-08	2.4E-08	2.2E-08	1.0E-08	4.7E-10	1.1E-08	5.8E-09	5.3E-09	1.6E-09	2.4E-08
304	UCART1	570590.6	4178118.99	570590.55, 4178118.99	3.04775	3.48246	4.17877	0.00134	1.93E-06	9.00E-08	4.96E-06	3.28E-05	3.98E-05	1.4E-08	4.2E-08	2.4E-08	2.2E-08	1.0E-08	4.6E-10	1.1E-08	5.7E-09	5.2E-09	1.6E-09	2.4E-08
305	UCART1	570630.6	4178118.99	570630.55, 4178118.99	3.37499	3.89308	5.0358	0.00126	2.14E-06	1.01E-07	5.98E-06	3.08E-05	3.91E-05	1.4E-08	4.1E-08	2.4E-08	2.1E-08	9.8E-09	4.5E-10	1.1E-08	5.6E-09	5.1E-09	1.5E-09	2.4E-08
306	UCART1	570670.6	4178118.99	570670.55, 4178118.99	3.73411	4.34005	6.31975	0.00119	2.37E-06	1.12E-07	7.51E-06	2.91E-05	3.91E-05	1.4E-08	4.1E-08	2.4E-08	2.1E-08	9.8E-09	4.5E-10	1.1E-08	5.6E-09	5.1E-09	1.5E-09	2.4E-08
307	UCART1	570710.6	4178118.99	570710.55, 4178118.99	4.12208	4.81308	8.43352	0.00107	2.61E-06	1.24E-07	1.00E-05	2.62E-05	3.89E-05	1.3E-08	4.1E-08	2.4E-08	2.1E-08	9.7E-09	4.5E-10	1.1E-08	5.6E-09	5.1E-09	1.5E-09	2.4E-08
308	UCART1	570750.6	4178118.99	570750.55, 4178118.99	4.53771	5.30429	12.58832	0.00092	2.88E-06	1.37E-07	1.50E-05	2.25E-05	4.05E-05	1.4E-08	4.2E-08	2.4E-08	2.2E-08	1.0E-08	4.7E-10	1.1E-08	5.8E-09	5.3E-09	1.6E-09	2.4E-08
309	UCART1	570790.6	4178118.99	570790.55, 4178118.99	4.97752	5.80492	24.56149	0.00081	3.16E-06	1.50E-07	2.92E-05	1.98E-05	5.23E-05	1.8E-08	5.5E-08	3.2E-08	2.9E-08	1.3E-08	6.0E-10	1.5E-08	7.5E-09	6.8E-09	2.1E-09	3.2E-08
310	UCART1	570830.6	4178118.99	570830.55, 4178118.99	5.44044	6.3125	43.77726	0.00074	3.45E-06	1.63E-07	5.20E-05	1.81E-05	7.37E-05	2.6E-08	7.7E-08	4.5E-08	4.0E-08	1.8E-08	8.5E-10	2.1E-08	1.1E-08	9.6E-09	2.9E-09	4.5E-08
311	UCART1	570870.6	4178118.99	570870.55, 4178118.99	5.90792	6.80953	23.9786	0.0008	3.75E-06	1.76E-07	2.85E-05	1.96E-05	5.20E-05	1.8E-08	5.4E-08	3.1E-08	2.9E-08	1.3E-08	6.0E-10	1.5E-08	7.5E-09	6.8E-09	2.1E-09	3.1E-08
312	UCART1	570910.6	4178118.99	570910.55, 4178118.99	6.36293	7.29062	16.33889	0.00086	4.03E-06	1.88E-07	1.94E-05	2.10E-05	4.47E-05	1.5E-08	4.7E-08	2.7E-08	2.5E-08	1.1E-08	5.2E-10	1.2E-08	6.4E-09	5.8E-09	1.8E-09	2.7E-08

OPERATIONAL RISK (UNMITIGATED)

COMBINED RISK (UNMITIGATED)

				Concentration [ug/m^3]		Residential Dose						Risk by Age Group						
Discrete Receptor ID				Construction	Operations	Construction		Operations				Construction		Operations				
	X	Y	X, Y	Total	Total	3rd Tri	C 0<2	O 0<2	2<9	9<16	16<30	3rd Tri	C 0<2	O 0<2	2<9	9<16	16<30	Total Risk
1 UCART1	570230.6	4177838.99	570230.55, 4177838.99	2.78E-05	1.47E-05	9.6E-09	2.9E-08	1.5E-08	8.9E-09	8.0E-09	3.7E-09	3.8E-10	5.3E-09	2.0E-09	2.9E-09	2.7E-09	5.8E-10	1.4E-08
2 UCART1	570270.6	4177838.99	570270.55, 4177838.99	2.97E-05	1.50E-05	1.0E-08	3.1E-08	1.6E-08	9.1E-09	8.2E-09	3.8E-09	4.0E-10	5.7E-09	2.1E-09	3.0E-09	2.7E-09	5.9E-10	1.4E-08
3 UCART1	570310.6	4177838.99	570310.55, 4177838.99	3.16E-05	1.52E-05	1.1E-08	3.3E-08	1.6E-08	9.2E-09	8.3E-09	3.8E-09	4.3E-10	6.1E-09	2.1E-09	3.0E-09	2.7E-09	6.0E-10	1.5E-08
4 UCART1	570350.6	4177838.99	570350.55, 4177838.99	3.37E-05	1.49E-05	1.2E-08	3.5E-08	1.6E-08	9.0E-09	8.1E-09	3.7E-09	4.6E-10	6.5E-09	2.0E-09	3.0E-09	2.7E-09	5.9E-10	1.5E-08
5 UCART1	570390.6	4177838.99	570390.55, 4177838.99	3.59E-05	1.48E-05	1.2E-08	3.8E-08	1.5E-08	8.9E-09	8.1E-09	3.7E-09	4.9E-10	6.9E-09	2.0E-09	2.9E-09	2.7E-09	5.8E-10	1.6E-08
6 UCART1	570430.6	4177838.99	570430.55, 4177838.99	3.81E-05	1.47E-05	1.3E-08	4.0E-08	1.5E-08	8.9E-09	8.1E-09	3.7E-09	5.2E-10	7.3E-09	2.0E-09	2.9E-09	2.7E-09	5.8E-10	1.6E-08
7 UCART1	570470.6	4177838.99	570470.55, 4177838.99	4.04E-05	1.47E-05	1.4E-08	4.2E-08	1.5E-08	8.9E-09	8.0E-09	3.7E-09	5.5E-10	7.8E-09	2.0E-09	2.9E-09	2.7E-09	5.8E-10	1.6E-08
8 UCART1	570510.6	4177838.99	570510.55, 4177838.99	4.27E-05	1.49E-05	1.5E-08	4.5E-08	1.6E-08	9.0E-09	8.2E-09	3.7E-09	5.8E-10	8.2E-09	2.0E-09	3.0E-09	2.7E-09	5.9E-10	1.7E-08
9 UCART1	570550.6	4177838.99	570550.55, 4177838.99	4.49E-05	1.51E-05	1.6E-08	4.7E-08	1.6E-08	9.1E-09	8.3E-09	3.8E-09	6.1E-10	8.6E-09	2.1E-09	3.0E-09	2.7E-09	6.0E-10	1.8E-08
10 UCART1	570590.6	4177838.99	570590.55, 4177838.99	4.70E-05	1.49E-05	1.6E-08	4.9E-08	1.6E-08	9.0E-09	8.2E-09	3.7E-09	6.4E-10	9.0E-09	2.0E-09	3.0E-09	2.7E-09	5.9E-10	1.8E-08
11 UCART1	570630.6	4177838.99	570630.55, 4177838.99	4.90E-05	1.44E-05	1.7E-08	5.1E-08	1.5E-08	8.7E-09	7.9E-09	3.6E-09	6.7E-10	9.4E-09	2.0E-09	2.9E-09	2.6E-09	5.7E-10	1.8E-08
12 UCART1	570670.6	4177838.99	570670.55, 4177838.99	5.07E-05	1.37E-05	1.8E-08	5.3E-08	1.4E-08	8.3E-09	7.5E-09	3.4E-09	6.9E-10	9.7E-09	1.9E-09	2.7E-09	2.5E-09	5.4E-10	1.8E-08
13 UCART1	570710.6	4177838.99	570710.55, 4177838.99	5.21E-05	1.30E-05	1.8E-08	5.4E-08	1.4E-08	7.9E-09	7.1E-09	3.3E-09	7.1E-10	1.0E-08	1.8E-09	2.6E-09	2.4E-09	5.1E-10	1.8E-08
14 UCART1	570750.6	4177838.99	570750.55, 4177838.99	5.33E-05	1.25E-05	1.8E-08	5.6E-08	1.3E-08	7.6E-09	6.9E-09	3.1E-09	7.2E-10	1.0E-08	1.7E-09	2.5E-09	2.3E-09	5.0E-10	1.8E-08
15 UCART1	570790.6	4177838.99	570790.55, 4177838.99	5.41E-05	1.23E-05	1.9E-08	5.7E-08	1.3E-08	7.5E-09	6.8E-09	3.1E-09	7.4E-10	1.0E-08	1.7E-09	2.5E-09	2.2E-09	4.9E-10	1.8E-08
16 UCART1	570830.6	4177838.99	570830.55, 4177838.99	5.48E-05	1.26E-05	1.9E-08	5.7E-08	1.3E-08	7.7E-09	6.9E-09	3.2E-09	7.4E-10	1.1E-08	1.7E-09	2.5E-09	2.3E-09	5.0E-10	1.8E-08
17 UCART1	570870.6	4177838.99	570870.55, 4177838.99	5.53E-05	1.29E-05	1.9E-08	5.8E-08	1.4E-08	7.8E-09	7.1E-09	3.2E-09	7.5E-10	1.1E-08	1.8E-09	2.6E-09	2.3E-09	5.1E-10	1.9E-08
18 UCART1	570910.6	4177838.99	570910.55, 4177838.99	5.57E-05	1.33E-05	1.9E-08	5.8E-08	1.4E-08	8.1E-09	7.3E-09	3.3E-09	7.6E-10	1.1E-08	1.8E-09	2.7E-09	2.4E-09	5.3E-10	1.9E-08
19 UCART1	570950.6	4177838.99	570950.55, 4177838.99	5.62E-05	1.36E-05	1.9E-08	5.9E-08	1.4E-08	8.2E-09	7.5E-09	3.4E-09	7.6E-10	1.1E-08	1.9E-09	2.7E-09	2.5E-09	5.4E-10	1.9E-08
20 UCART1	570990.6	4177838.99	570990.55, 4177838.99	5.68E-05	1.36E-05	2.0E-08	5.9E-08	1.4E-08	8.2E-09	7.5E-09	3.4E-09	7.7E-10	1.1E-08	1.9E-09	2.7E-09	2.5E-09	5.4E-10	1.9E-08
21 UCART1	571030.6	4177838.99	571030.55, 4177838.99	5.75E-05	1.40E-05	2.0E-08	6.0E-08	1.5E-08	8.5E-09	7.7E-09	3.5E-09	7.8E-10	1.1E-08	1.9E-09	2.8E-09	2.5E-09	5.5E-10	2.0E-08
22 UCART1	571070.6	4177838.99	571070.55, 4177838.99	5.82E-05	1.41E-05	2.0E-08	6.1E-08	1.5E-08	8.5E-09	7.7E-09	3.5E-09	7.9E-10	1.1E-08	1.9E-09	2.8E-09	2.6E-09	5.6E-10	2.0E-08
23 UCART1	571110.6	4177838.99	571110.55, 4177838.99	5.88E-05	1.45E-05	2.0E-08	6.1E-08	1.5E-08	8.8E-09	7.9E-09	3.6E-09	8.0E-10	1.1E-08	2.0E-09	2.9E-09	2.6E-09	5.7E-10	2.0E-08
24 UCART1	571150.6	4177838.99	571150.55, 4177838.99	5.92E-05	1.49E-05	2.0E-08	6.2E-08	1.6E-08	9.0E-09	8.1E-09	3.7E-09	8.1E-10	1.1E-08	2.0E-09	3.0E-09	2.7E-09	5.9E-10	2.0E-08
25 UCART1	571190.6	4177838.99	571190.55, 4177838.99	5.94E-05	1.60E-05	2.1E-08	6.2E-08	1.7E-08	9.7E-09	8.8E-09	4.0E-09	8.1E-10	1.1E-08	2.2E-09	3.2E-09	2.9E-09	6.3E-10	2.1E-08
26 UCART1	571230.6	4177838.99	571230.55, 4177838.99	5.95E-05	1.68E-05	2.1E-08	6.2E-08	1.8E-08	1.0E-08	9.2E-09	4.2E-09	8.1E-10	1.1E-08	2.3E-09	3.4E-09	3.0E-09	6.7E-10	2.2E-08
27 UCART1	571270.6	4177838.99	571270.55, 4177838.99	5.95E-05	1.85E-05	2.1E-08	6.2E-08	1.9E-08	1.1E-08	1.0E-08	4.6E-09	8.1E-10	1.1E-08	2.5E-09	3.7E-09	3.3E-09	7.3E-10	2.3E-08
28 UCART1	571310.6	4177838.99	571310.55, 4177838.99	5.96E-05	2.11E-05	2.1E-08	6.2E-08	2.2E-08	1.3E-08	1.2E-08	5.3E-09	8.1E-10	1.1E-08	2.9E-09	4.2E-09	3.8E-09	8.3E-10	2.4E-08
29 UCART1	571350.6	4177838.99	571350.55, 4177838.99	6.01E-05	2.44E-05	2.1E-08	6.3E-08	2.5E-08	1.5E-08	1.3E-08	6.1E-09	8.2E-10	1.2E-08	3.3E-09	4.9E-09	4.4E-09	9.6E-10	2.6E-08
30 UCART1	571390.6	4177838.99	571390.55, 4177838.99	6.09E-05	2.84E-05	2.1E-08	6.4E-08	3.0E-08	1.7E-08	1.6E-08	7.1E-09	8.3E-10	1.2E-08	3.9E-09	5.7E-09	5.1E-09	1.1E-09	2.8E-08
31 UCART1	571430.6	4177838.99	571430.55, 4177838.99	6.22E-05	3.39E-05	2.2E-08	6.5E-08	3.5E-08	2.1E-08	1.9E-08	8.5E-09	8.5E-10	1.2E-08	4.6E-09	6.8E-09	6.1E-09	1.3E-09	3.2E-08
32 UCART1	571470.6	4177838.99	571470.55, 4177838.99	6.41E-05	3.99E-05	2.2E-08	6.7E-08	4.2E-08	2.4E-08	2.2E-08	1.0E-08	8.7E-10	1.2E-08	5.4E-09	8.0E-09	7.2E-09	1.6E-09	3.5E-08
33 UCART1	571510.6	4177838.99	571510.55, 4177838.99	6.61E-05	4.59E-05	2.3E-08	6.9E-08	4.8E-08	2.8E-08	2.5E-08	1.1E-08	9.0E-10	1.3E-08	6.3E-09	9.2E-09	8.3E-09	1.8E-09	3.9E-08
34 UCART1	571550.6	4177838.99	571550.55, 4177838.99	6.80E-05	5.28E-05	2.4E-08	7.1E-08	5.5E-08	3.2E-08	2.9E-08	1.3E-08	9.2E-10	1.3E-08	7.2E-09	1.1E-08	9.6E-09	2.1E-09	4.3E-08
35 UCART1	571590.6	4177838.99	571590.55, 4177838.99	6.97E-05	5.90E-05	2.4E-08	7.3E-08	6.2E-08	3.6E-08	3.2E-08	1.5E-08	9.5E-10	1.3E-08	8.0E-09	1.2E-08	1.1E-08	2.3E-09	4.7E-08
36 UCART1	571630.6	4177838.99	571630.55, 4177838.99	7.13E-05	6.33E-05	2.5E-08	7.4E-08	6.6E-08	3.8E-08	3.5E-08	1.6E-08	9.7E-10	1.4E-08	8.6E-09	1.3E-08	1.1E-08	2.5E-09	5.0E-08
37 UCART1	571670.6	4177838.99	571670.55, 4177838.99	7.22E-05	6.63E-05	2.5E-08	7.5E-08	6.9E-08	4.0E-08	3.6E-08	1.7E-08	9.8E-10	1.4E-08	9.0E-09	1.3E-08	1.2E-08	2.6E-09	5.2E-08
38 UCART1	571710.6	4177838.99	571710.55, 4177838.99	7.25E-05	6.84E-05	2.5E-08	7.6E-08	7.1E-08	4.1E-08	3.7E-08	1.7E-08	9.9E-10	1.4E-08	9.3E-09	1.4E-08	1.2E-08	2.7E-09	5.3E-08
39 UCART1	571750.6	4177838.99	571750.55, 4177838.99	7.22E-05	6.92E-05	2.5E-08	7.5E-08	7.2E-08	4.2E-08	3.8E-08	1.7E-08	9.8E-10	1.4E-08	9.4E-09	1.4E-08	1.3E-08	2.7E-09	5.3E-08
40 UCART1	571790.6	4177838.99	571790.55, 4177838.99	7.14E-05	6.93E-05	2.5E-08	7.5E-08	7.2E-08	4.2E-08	3.8E-08	1.7E-08	9.7E-10	1.4E-08	9.4E-09	1.4E-08	1.3E-08	2.7E-09	5.3E-08
41 UCART1	571830.6	4177838.99	571830.55, 4177838.99	7.00E-05	6.86E-05	2.4E-08	7.3E-08	7.2E-08	4.2E-08	3.8E-08	1.7E-08	9.5E-10	1.3E-08	9.4E-09	1.4E-08	1.2E-08	2.7E-09	5.3E-08
42 UCART1	571870.6	4177838.99	571870.55, 4177838.99	6.82E-05	6.68E-05	2.4E-08	7.1E-08	7.0E-08	4.0E-08	3.7E-08	1.7E-08	9.3E-10	1.3E-08	9.1E-09	1.3E-08	1.2E-08	2.6E-09	5.1E-08
43 UCART1	570230.6	4177878.99	570230.55, 4177878.99	2.88E-05	1.62E-05	1.0E-08	3.0E-08	1.7E-08	9.8E-09	8.9E-09	4.1E-09	3.9E-10	5.5E-09	2.2E-09	3.2E-09	2.9E-09	6.4E-10	1.5E-08
44 UCART1	570270.6	4177878.99	570270.55, 4177878.99	3.09E-05	1.68E-05	1.1E-08	3.2E-08	1.8E-08	1.0E-08	9.2E-09	4.2E-09	4.2E-10	5.9E-09	2.3E-09	3.4E-09	3.0E-09	6.7E-10	1.6E-08
45 UCART1	570310.6	4177878.99	570310.55, 4177878.99	3.32E-05	1.70E-05	1.1E-08	3.5E-08	1.8E-08	1.0E-08	9.3E-09	4.3E-09	4.5E-10	6.4E-09	2.3E-09	3.4E-09	3.1E-09	6.7E-10	1.6E-08
46 UCART1	570350.6	4177878.99	570350.55, 4177878.99	3.56E-05	1.69E-05	1.2E-08	3.7E-08	1.8E-08	1.0E-08	9.3E-09	4.2E-09	4.8E-10	6.8E-09	2.3E-09	3.4E-09	3.1E-09	6.7E-10	1.7E-08
47 UCART1	570390.6	4177878.99	570390.55, 4177878.99	3.81E-05	1.69E-05	1.3E-08	4.0E-08	1.8E-08	1.0E-08	9.3E-09	4.2E-09	5.2E-10	7.3E-09	2.3E-09	3.4E-09	3.1E-09	6.7E-10	1.7E-08
48 UCART1	570430.6	4177878.99	570430.55, 4177878.99	4.08E-05	1.66E-05	1.4E-08	4.3E-08	1.7E-08	1.0E-08	9.1E-09	4.2E-09	5.6E-10	7.8E-09	2.3E-09	3.3E-09	3.0E-09	6.6E-10	1.8E-08
49 UCART1	570470.6	4177878.99	570470.55, 4177878.99	4.36E-05	1.66E-05	1.5E-08	4.6E-08	1.7E-08	1.0E-08	9.1E-09	4.2E-09	5.9E-10	8.4E-09	2.3E-09	3.3E-09	3.0E-09	6.6E-10	1.8E-08
50 UCART1	570510.6	4177878.99	570510.55, 4177878.99	4.64E-05	1.66E-05	1.6E-08	4.9E-08	1.7E-08	1.0E-08	9.1E-09	4.2E-09	6.3E-10	8.9E-09	2.3E-09	3.3E-09	3.0E-09	6.6E-10	1.9E-08
51 UCART1	570550.6	4177878.99	570550.55, 4177878.99	4.93E-05	1.69E-05	1.7E-08	5.1E-08	1.8E-08	1.0E-08	9.3E-09	4.2E-09	6.7E-10	9.5E-09	2.3E-09	3.4E-09	3.1E-09	6.7E-10	2.0E-08
52 UCART1	570590.6	4177878.99	570590.55, 4177878.99	5.21E-05	1.70E-05	1.8E-08	5.4E-08	1.8E-08	1.0E-08	9.3E-09	4.3E-09	7.1E-10	1.0E-08	2.3E-09	3.4E-09	3.1E-09	6.7E-10	2.0E-08
53 UCART1	570630.6	4177878.99	570630.55, 4177878.99	5.47E-05	1.66E-05	1.9E-08	5.7E-08	1.7E-08	1.0E-08	9.1E-09	4.2E-09	7.4E-10	1.1E-08	2.3E-09	3.3E-09	3.0E-09	6.6E-10	2.1E-08
54 UCART1	570670.6	4177878.99	570670.55, 4177878.99	5.72E-05	1.61E-05	2.0E-08	6.0E-08	1.7E-08	9.7E-09	8.8E-09	4.0E-09	7.8E-10	1.1E-08	2.2E-09	3.2E-09	2.9E-09	6.4E-10	2.1E-08
55 UCART1	570710.6	4177878.99	570710.55, 4177878.99	5.94E-05	1.54E-05	2.1E-08	6.2E-08	1.6E-08	9.3E-09	8.4E-09	3.9E-09	8.1E-10	1.1E-08	2.1E-09	3.1E-09	2.8E-09	6.1E-10	2.1E-08
56 UCART1	570750.6	4177878.99	570750.55, 4177878.99	6.13E-05	1.49E-05	2.1E-08	6.4E-08	1.6E-08	9.0E-09	8.2E-09	3.7E-09	8.3E-10	1.2E-08	2.0E-09	3.0E-09	2.7E-09	5.9E-10	2.1E-08
57 UCART1	570790.6	4177878.99	570790.55, 4177878.99	6.28E-05	1.50E-05	2.2E-08	6.6E-08	1.6E-08	9.0E-09	8.2E-09	3.7E-09	8.5E-10	1.2E-08	2.0E-09	3.0E-09	2.7E-09	5.9E-10	2.1E-08
58 UCART1	570830.6	4177878.99	570830.55, 4177878.99	6.39E-05	1.52E-05	2.2E-08	6.7E-08	1.6E-08	9.2E-09	8.4E-09	3.8E-09	8.7E-10	1.2E-08	2.1E-09	3.0E-09	2.8E-09	6.0E-10	2.2E-08
59 UCART1	570870.6	4177878.99	570870.55, 4177878.99	6.48E-05	1.56E-05	2.2E-08	6.8E-08	1.6E-08	9.5E-09	8.6E-09	3.9E-09	8.8E-10	1.2E-08	2.1E-09	3.1E-09	2.8E-09	6.2E-10	2.2E-08
60 UCART1	570910.6	4177878.99	570910.55, 4177878.99	6.56E-05	1.58E-05	2.3E-08	6.9E-08	1.6E-08	9.5E-09	8.6E-09	3.9E-09	8.9E-10	1.3E-08	2.1E-09	3.1E-09	2.9E-09	6.2E-10	2.2E-08
61 UCART1	570950.6	4177878.99	570950.55, 4177878.99	6.62E-05	1.59E-05	2.3E-08	6.9E-08	1.7E-08	9.6E-09	8.7E-09	4.0E-09	9.0E-10	1.3E-08	2.2E-09	3.2E-09	2.9E-09	6.3E-10	2.2E-08
62 UCART1	570990.6	4177878.99	570990.55, 4177878.99	6.70E-05	1.58E-05	2.3E-08	7.0E-08	1.7E-08	9.6E-09	8.7E-09	4.0E-09	9.1E-10	1.3E-08	2.2E-09	3.2E-09	2.9E-09	6.3E-10	2.3E-08
63 UCART1	571030.6	4177878.99	571030.55, 4177878.99	6.77E-05	1.58E-05	2.3E-08	7.1E-08	1.7E-08	9.6E-09	8.7E-09	4.0E-09	9.2E-10	1.3E-08	2.2E-09	3.2E-09	2.9E-09	6.2E-10	2.3E-08
64 UCART1	571070.6	4177878.99	571070.55, 4177878.99	6.86E-05	1.60E-05	2.4E-08	7.2E-08	1.7E-08	9.7E-09	8.8E-09	4.0E-09	9.3E-10	1.3E-08	2.2E-09	3.2E-09	2.9E-09	6.3E-10	2.3E-08
65 UCART1	571110.6	4177878.99	571110.55, 4177878.99	6.93E-05	1.63E-05	2.4E-08	7.2E-08	1.7E-08	9.9E-09	8.9E-09	4.1E-09	9.4E-10	1.3E-08	2.2E-09	3.3E-09	3.0E-09	6.4E-10	2.3E-08
66 UCART1	571150.6	4177878.99	571150.55, 4177878.99	6.97E-05	1.73E-05	2.4E-08	7.3E-08	1.8E-08	1.0E-08	9.5E-09	4.3E-09	9.5E-10	1.3E-08	2.4E-09	3.5E-09	3.1E-09	6.8E-10	2.4E-08
67 UCART1	571190.6	4177878.99	571190.55, 4177878.99	7.00E-05	1.84E-05	2.4E-08	7.3E-08	1.9E-08	1.1E-08	1.0E-08	4.6E-09	9.5E-10	1.3E-08	2.5E-09	3.7E-09	3.3E-09	7.3E-10	2.5E-08
68 UCART1	571230.6	4177878.99	571230.55, 4177878.99	7.02E-05	2.02E-05	2.4E-08	7.3E-08	2.1E-08	1.2E-08	1.1E-08	5.1E-09	9.5E-10	1.3E-08	2.8E-09	4.0E-09	3.7E-09	8.0E-10	2.6E-08
69 UCART1	571270.6	4177878.99	571270.55, 4177878.99	7.05E-05	2.30E-05	2.4E-08	7.4E-08	2.4E-08	1.4E-08	1.3E-08	5.8E-09	9.6E-10	1.4E-08	3.1E-09	4.6E-09	4.2E-09	9.1E-10	2.7E-08
70 UCART1	571310.6	4177878.99	571310.55, 4177878.99	7.11E-05	2.68E-05	2.5E-08	7.4E-08	2.8E-08	1.6E-08	1.5E-08	6.7E-09	9.7E-10	1.4E-08	3.7E-09	5.4E-09	4.9E-09	1.1E-09	3.0E-08
71 UCART1	571350.6	4177878.99	571350.55, 4177878.99	7.22E-05	3.21E-05	2.5E-08	7.5E-08	3.4E-08	1.9E-08	1.8E-08	8.0E-09	9.8E-10	1.4E-08	4.4E-09	6.4E-09	5.8E-09	1.3E-09	3.3E-08
72 UCART1	571390.6	4177878.99	571390.55, 4177878.99	7.33E-05	3.88E-05	2.5E-08	7.7E-08	4.1E-08	2.3E-08	2.1E-08	9.7E-09	1.0E-09	1.4E-08	5.3E-09	7.7E-09	7.0E-09	1.5E-09	3.7E-08
73 UCART1	571430.6	4177878.99	571430.55, 4177878.99	7.48E-05	4.60E-05	2.6E-08	7.8E-08	4.8E-08	2.8E-08	2.5E-08	1.2E-08	1.0E-09	1.4E-08	6.3E-09	9.2E-09	8.3E-09	1.8E-09	4.1E-08
74 UCART1	571470.6	4177878.99	571470.55, 4177878.99	7.90E-05	5.47E-05	2.7E-08	8.3E-08	5.7E-08	3.3E-08	3.0E-08	1.4E-08	1.1E-09	1.5E-08	7.5E-09	1.1E-08	9.9E-09	2.2E-09	4.7E-08
75 UCART1	571510.6	4177878.99	571510.55, 4177878.99	8.16E-05	6.25E-05	2.8E-08	8.5E-08	6.5E-08	3.8E-08	3.4E-08	1.6E-08	1.1E-09	1.6E-08	8.5E-09	1.2E-08	1.1E-08	2.5E-09	5.2E-08
76 UCART1	571550.6	4177878.99	571550.55, 4177878.99	8.37E-05	6.99E-05	2.9E-08	8.7E-08	7.3E-08	4.2E-08	3.8E-08	1.8E-08	1.1E-09	1.6E-08	9.5E-09	1.4E-08	1.3E-08	2.8E-09	5.6E-08
77 UCART1	571590.6	4177878.99	571590.55, 4177878.99	8.51E-05	7.51E-05	2.9E-08	8.9E-08	7.9E-08	4.5E-08	4.1E-08	1.9E-08	1.2E-09	1.6E-08	1.0E-08	1.5E-08	1.4E-08	3.0E-09	5.9E-08
78 UCART1	571630.6	4177878.99	571630.55, 4177878.99	8.59E-05	7.89E-05	3.0E-08	9.0E-08	8.2E-08	4.8E-08	4.3E-08	2.0E-08	1.2E-09	1.6E-08	1.1E-08	1.6E-08	1.4E-08	3.1E-09	6.2E-08
79 UCART1	571670.6	4177878.99	571670.55, 4177878.99	8.57E-05	8.13E-05	3.0E-08	9.0E-08	8.5E-08	4.9E-08	4.5E-08	2.0E-08	1.2E-09	1.6E-08	1.1E-08	1.6E-08	1.5E-08	3.2E-09	6.3E-08
80 UCART1	571710.6	4177878.99	571710.55, 4177878.99	8.48E-05	8.19E-05	2.9E-08	8.9E-08	8.6E-08	5.0E-08	4.5E-08	2.0E-08	1.2E-09	1.6E-08	1.1E-08	1.6E-08	1.5E-08	3.2E-09	6.3E-08
81 UCART1	571750.6	4177878.99	571750.55, 4177878.99	8.31E-05	8.17E-05	2.9E-08	8.7E-08	8.5E-08	4.9E-08	4.5E-08	2.0E-08	1.1E-09	1.6E-08	1.1E-08	1.6E-08	1.5E-08	3.2E-09	6.3E-08
82 UCART1	571790.6	4177878.99	571790.55, 4177878.99	8.09E-05	8.00E-05	2.8E-08	8.5E-08	8.4E-08	4.8E-08	4.4E-08	2.0E-08	1.1E-09	1.6E-08	1.1E-08	1.6E-08	1.4E-08	3.2E-09	6.1E-08
83 UCART1	571830.6	4177878.99	571830.55, 4177878.99	7.82E-05	7.74E-05	2.7E-08	8.2E-08	8.1E-08	4.7E-08	4.2E-08	1.9E-08	1.1E-09	1.5E-08	1.1E-08	1.5E-08	1.4E-08	3.1E-09	5.9E-08
84 UCART1	571870.6	4177878.99	571870.55, 4177878.99	7.50E-05	7.45E-05	2.6E-08	7.8E-08	7.8E-08	4.5E-08	4.1E-08	1.9E-08	1.0E-09	1.4E-08	1.0E-08	1.5E-08	1.3E-08	2.9E-09	5.7E-08
85 UCART1	570230.6	4177918.99	570230.55, 4177918.99	2.98E-05	1.70E-05	1.0E-08	3.1E-08	1.8E-08	1.0E-08	9.3E-09	4.3E-09	4.1E-10	5.7E-09	2.3E-09	3.4E-09	3.1E-09	6.7E-10	1.6E-08
86 UCART1	570270.6	4177918.99	570270.55, 4177918.99	3.21E-05	1.84E-05	1.1E-08	3.4E-08	1.9E-08	1.1E-08	1.0E-08	4.6E-09	4.4E-10	6.2E-09	2.5E-09	3.7E-09	3.3E-09	7.3E-10	1.7E-08
87 UCART1	570310.6	4177918.99	570310.55, 4177918.99	3.46E-05	1.91E-05	1.2E-08	3.6E-08	2.0E-08	1.2E-08	1.0E-08	4.8E-09	4.7E-10	6.7E-09	2.6E-09	3.8E-09	3.5E-09	7.5E-10	1.8E-08
88 UCART1	570350.6	4177918.99	570350.55, 4177918.99	3.74E-05	1.93E-05	1.3E-08	3.9E-08	2.0E-08	1.2E-08	1.1E-08	4.8E-09	5.1E-10	7.2E-09	2.6E-09	3.8E-09	3.5E-09	7.6E-10	1.8E-08
89 UCART1	570390.6	4177918.99	570390.55, 4177918.99	4.04E-05	1.95E-05	1.4E-08	4.2E-08	2.0E-08	1.2E-08	1.1E-08	4.9E-09	5.5E-10	7.8E-09	2.7E-09	3.9E-09	3.5E-09	7.7E-10	1.9E-08
90 UCART1	570430.6	4177918.99	570430.55, 4177918.99	4.35E-05	1.92E-05	1.5E-08	4.5E-08	2.0E-08	1.2E-08	1.1E-08	4.8E-09	5.9E-10	8.4E-09	2.6E-09	3.8E-09	3.5E-09	7.6E-10	2.0E-08
91 UCART1	570470.6	4177918.99	570470.55, 4177918.99	4.69E-05	1.90E-05	1.6E-08	4.9E-08	2.0E-08	1.2E-08	1.0E-08	4.8E-09	6.4E-10	9.0E-09	2.6E-09	3.8E-09	3.4E-09	7.5E-10	2.0E-08
92 UCART1	570510.6	4177918.99	570510.55, 4177918.99	5.04E-05	1.89E-05	1.7E-08	5.3E-08	2.0E-08	1.1E-08	1.0E-08	4.7E-09	6.9E-10	9.7E-09	2.6E-09	3.8E-09	3.4E-09	7.4E-10	2.1E-08
93 UCART1	570550.6	4177918.99	570550.55, 4177918.99	5.40E-05	1.90E-05	1.9E-08	5.6E-08	2.0E-08	1.1E-08	1.0E-08	4.7E-09	7.3E-10	1.0E-08	2.6E-09	3.8E-09	3.4E-09	7.5E-10	2.2E-08
94 UCART1	570590.6	4177918.99	570590.55, 4177918.99	5.76E-05	1.91E-05	2.0E-08	6.0E-08	2.0E-08	1.2E-08	1.1E-08	4.8E-09	7.8E-10	1.1E-08	2.6E-09	3.8E-09	3.5E-09	7.6E-10	2.3E-08
95 UCART1	570630.6	4177918.99	570630.55, 4177918.99	6.12E-05	1.89E-05	2.1E-08	6.4E-08	2.0E-08	1.1E-08	1.0E-08	4.7E-09	8.3E-10	1.2E-08	2.6E-09	3.8E-09	3.4E-09	7.5E-10	2.3E-08
96 UCART1	570670.6	4177918.99	570670.55, 4177918.99	6.47E-05	1.86E-05	2.2E-08	6.8E-08	1.9E-08	1.1E-08	1.0E-08	4.7E-09	8.8E-10	1.2E-08	2.5E-09	3.7E-09	3.4E-09	7.3E-10	2.4E-08
97 UCART1	570710.6	4177918.99	570710.55, 4177918.99	6.80E-05	1.82E-05	2.4E-08	7.1E-08	1.9E-08	1.1E-08	1.0E-08	4.6E-09	9.2E-10	1.3E-08	2.5E-09	3.6E-09	3.3E-09	7.2E-10	2.4E-08
98 UCART1	570750.6	4177918.99	570750.55, 4177918.99	7.09E-05	1.82E-05	2.5E-08	7.4E-08	1.9E-08	1.1E-08	1.0E-08	4.6E-09	9.6E-10	1.4E-08	2.5E-09	3.6E-09	3.3E-09	7.2E-10	2.5E-08
99 UCART1	570790.6	4177918.99	570790.55, 4177918.99	7.35E-05	1.87E-05	2.5E-08	7.7E-08	2.0E-08	1.1E-08	1.0E-08	4.7E-09	1.0E-09	1.4E-08	2.5E-09	3.7E-09	3.4E-09	7.4E-10	2.6E-08
100 UCART1	570830.6	4177918.99	570830.55, 4177918.99	7.56E-05	1.98E-05	2.6E-08	7.9E-08	2.1E-08	1.2E-08	1.1E-08	4.9E-09	1.0E-09	1.5E-08	2.7E-09	3.9E-09	3.6E-09	7.8E-10	2.7E-08
101 UCART1	570870.6	4177918.99	570870.55, 4177918.99	7.74E-05	2.04E-05	2.7E-08	8.1E-08	2.1E-08	1.2E-08	1.1E-08	5.1E-09	1.1E-09	1.5E-08	2.8E-09	4.1E-09	3.7E-09	8.1E-10	2.7E-08
102 UCART1	570910.6	4177918.99	570910.55, 4177918.99	7.86E-05	1.97E-05	2.7E-08	8.2E-08	2.1E-08	1.2E-08	1.1E-08	4.9E-09	1.1E-09	1.5E-08	2.7E-09	3.9E-09	3.6E-09	7.8E-10	2.7E-08
103 UCART1	570950.6	4177918.99	570950.55, 4177918.99	7.93E-05	1.89E-05	2.7E-08	8.3E-08	2.0E-08	1.1E-08	1.0E-08	4.7E-09	1.1E-09	1.5E-08	2.6E-09	3.8E-09	3.4E-09	7.5E-10	2.7E-08
104 UCART1	570990.6	4177918.99	570990.55, 4177918.99	8.01E-05	1.84E-05	2.8E-08	8.4E-08	1.9E-08	1.1E-08	1.0E-08	4.6E-09	1.1E-09	1.5E-08	2.5E-09	3.7E-09	3.3E-09	7.3E-10	2.7E-08
105 UCART1	571030.6	4177918.99	571030.55, 4177918.99	8.11E-05	1.83E-05	2.8E-08	8.5E-08	1.9E-08	1.1E-08	1.0E-08	4.6E-09	1.1E-09	1.6E-08	2.5E-09	3.6E-09	3.3E-09	7.2E-10	2.7E-08
106 UCART1	571070.6	4177918.99	571070.55, 4177918.99	8.21E-05	1.83E-05	2.8E-08	8.6E-08	1.9E-08	1.1E-08	1.0E-08	4.6E-09	1.1E-09	1.6E-08	2.5E-09	3.7E-09	3.3E-09	7.2E-10	2.7E-08
107 UCART1	571110.6	4177918.99	571110.55, 4177918.99	8.30E-05	1.92E-05	2.9E-08	8.7E-08	2.0E-08	1.2E-08	1.1E-08	4.8E-09	1.1E-09	1.6E-08	2.6E-09	3.8E-09	3.5E-09	7.6E-10	2.8E-08
108 UCART1	571150.6	4177918.99	571150.55, 4177918.99	8.37E-05	2.05E-05	2.9E-08	8.7E-08	2.1E-08	1.2E-08	1.1E-08	5.1E-09	1.1E-09	1.6E-08	2.8E-09	4.1E-09	3.7E-09	8.1E-10	2.9E-08
109 UCART1	571190.6	4177918.99	571190.55, 4177918.99	8.41E-05	2.22E-05	2.9E-08	8.8E-08	2.3E-08	1.3E-08	1.2E-08	5.6E-09	1.1E-09	1.6E-08	3.0E-09	4.4E-09	4.0E-09	8.8E-10	3.0E-08
110 UCART1	571230.6	4177918.99	571230.55, 4177918.99	8.47E-05	2.50E-05	2.9E-08	8.8E-08	2.6E-08	1.5E-08	1.4E-08	6.3E-09	1.2E-09	1.6E-08	3.4E-09	5.0E-09	4.5E-09	9.9E-10	3.1E-08
111 UCART1	571270.6	4177918.99	571270.55, 4177918.99	8.57E-05	2.97E-05	3.0E-08	9.0E-08	3.1E-08	1.8E-08	1.6E-08	7.4E-09	1.2E-09	1.6E-08	4.1E-09	5.9E-09	5.4E-09	1.2E-09	3.4E-08
112 UCART1	571310.6	4177918.99	571310.55, 4177918.99	8.71E-05	3.59E-05	3.0E-08	9.1E-08	3.8E-08	2.2E-08	2.0E-08	9.0E-09	1.2E-09	1.7E-08	4.9E-09	7.2E-09	6.5E-09	1.4E-09	3.8E-08
113 UCART1	571350.6	4177918.99	571350.55, 4177918.99	8.95E-05	4.41E-05	3.1E-08	9.4E-08	4.6E-08	2.7E-08	2.4E-08	1.1E-08	1.2E-09	1.7E-08	6.0E-09	8.8E-09	8.0E-09	1.7E-09	4.3E-08
114 UCART1	571390.6	4177918.99	571390.55, 4177918.99	9.07E-05	5.35E-05	3.1E-08	9.5E-08	5.6E-08	3.2E-08	2.9E-08	1.3E-08	1.2E-09	1.7E-08	7.3E-09	1.1E-08	9.7E-09	2.1E-09	4.8E-08
115 UCART1	571430.6	4177918.99	571430.55, 4177918.99	9.40E-05	6.38E-05	3.3E-08	9.8E-08	6.7E-08	3.9E-08	3.5E-08	1.6E-08	1.3E-09	1.8E-08	8.7E-09	1.3E-08	1.2E-08	2.5E-09	5.5E-08
116 UCART1	571470.6	4177918.99	571470.55, 4177918.99	9.90E-05	7.51E-05	3.4E-08	1.0E-07	7.9E-08	4.5E-08	4.1E-08	1.9E-08	1.3E-09	1.9E-08	1.0E-08	1.5E-08	1.4E-08	3.0E-09	6.2E-08
117 UCART1	571510.6	4177918.99	571510.55, 4177918.99	1.02E-04	8.32E-05	3.5E-08	1.1E-07	8.7E-08	5.0E-08	4.6E-08	2.1E-08	1.4E-09	2.0E-08	1.1E-08	1.7E-08	1.5E-08	3.3E-09	6.7E-08
118 UCART1	571550.6	4177918.99	571550.55, 4177918.99	1.03E-04	8.98E-05	3.6E-08	1.1E-07	9.4E-08	5.4E-08	4.9E-08	2.2E-08	1.4E-09	2.0E-08	1.2E-08	1.8E-08	1.6E-08	3.5E-09	7.1E-08
119 UCART1	571590.6	4177918.99	571590.55, 4177918.99	1.03E-04	9.45E-05	3.6E-08	1.1E-07	9.9E-08	5.7E-08	5.2E-08	2.4E-08	1.4E-09	2.0E-08	1.3E-08	1.9E-08	1.7E-08	3.7E-09	7.4E-08
120 UCART1	571630.6	4177918.99	571630.55, 4177918.99	1.03E-04	9.69E-05	3.6E-08	1.1E-07	1.0E-07	5.9E-08	5.3E-08	2.4E-08	1.4E-09	2.0E-08	1.3E-08	1.9E-08	1.8E-08	3.8E-09	7.5E-08
121 UCART1	571670.6	4177918.99	571670.55, 4177918.99	1.01E-04	9.77E-05	3.5E-08	1.1E-07	1.0E-07	5.9E-08	5.4E-08	2.4E-08	1.4E-09	1.9E-08	1.3E-08	1.9E-08	1.8E-08	3.9E-09	7.5E-08
122 UCART1	571710.6	4177918.99	571710.55, 4177918.99	9.77E-05	9.62E-05	3.4E-08	1.0E-07	1.0E-07	5.8E-08	5.3E-08	2.4E-08	1.3E-09	1.9E-08	1.3E-08	1.9E-08	1.7E-08	3.8E-09	7.4E-08
123 UCART1	571750.6	4177918.99	571750.55, 4177918.99	9.42E-05	9.37E-05	3.3E-08	9.8E-08	9.8E-08	5.7E-08	5.1E-08	2.3E-08	1.3E-09	1.8E-08	1.3E-08	1.9E-08	1.7E-08	3.7E-09	7.2E-08
124 UCART1	571790.6	4177918.99	571790.55, 4177918.99	9.02E-05	9.03E-05	3.1E-08	9.4E-08	9.4E-08	5.5E-08	5.0E-08	2.3E-08	1.2E-09	1.7E-08	1.2E-08	1.8E-08	1.6E-08	3.6E-09	6.9E-08
125 UCART1	571830.6	4177918.99	571830.55, 4177918.99	8.58E-05	8.57E-05	3.0E-08	9.0E-08	9.0E-08	5.2E-08	4.7E-08	2.1E-08	1.2E-09	1.6E-08	1.2E-08	1.7E-08	1.6E-08	3.4E-09	6.5E-08
126 UCART1	571870.6	4177918.99	571870.55, 4177918.99	8.13E-05	8.13E-05	2.8E-08	8.5E-08	8.5E-08	4.9E-08	4.5E-08	2.0E-08	1.1E-09	1.6E-08	1.1E-08	1.6E-08	1.5E-08	3.2E-09	6.2E-08
127 UCART1	570230.6	4177958.99	570230.55, 4177958.99	3.07E-05	1.78E-05	1.1E-08	3.2E-08	1.9E-08	1.1E-08	9.8E-09	4.5E-09	4.2E-10	5.9E-09	2.4E-09	3.6E-09	3.2E-09	7.0E-10	1.6E-08
128 UCART1	570270.6	4177958.99	570270.55, 4177958.99	3.32E-05	1.97E-05	1.2E-08	3.5E-08	2.1E-08	1.2E-08	1.1E-08	4.9E-09	4.5E-10	6.4E-09	2.7E-09	3.9E-09	3.6E-09	7.8E-10	1.8E-08
129 UCART1	570310.6	4177958.99	570310.55, 4177958.99	3.60E-05	2.11E-05	1.2E-08	3.8E-08	2.2E-08	1.3E-08	1.2E-08	5.3E-09	4.9E-10	6.9E-09	2.9E-09	4.2E-09	3.8E-09	8.3E-10	1.9E-08
130 UCART1	570350.6	4177958.99	570350.55, 4177958.99	3.91E-05	2.18E-05	1.4E-08	4.1E-08	2.3E-08	1.3E-08	1.2E-08	5.5E-09	5.3E-10	7.5E-09	3.0E-09	4.4E-09	4.0E-09	8.6E-10	2.0E-08
131 UCART1	570390.6	4177958.99	570390.55, 4177958.99	4.26E-05	2.21E-05	1.5E-08	4.4E-08	2.3E-08	1.3E-08	1.2E-08	5.5E-09	5.8E-10	8.2E-09	3.0E-09	4.4E-09	4.0E-09	8.7E-10	2.1E-08
132 UCART1	570430.6	4177958.99	570430.55, 4177958.99	4.62E-05	2.21E-05	1.6E-08	4.8E-08	2.3E-08	1.3E-08	1.2E-08	5.5E-09	6.3E-10	8.9E-09	3.0E-09	4.4E-09	4.0E-09	8.7E-10	2.2E-08
133 UCART1	570470.6	4177958.99	570470.55, 4177958.99	5.02E-05	2.17E-05	1.7E-08	5.3E-08	2.3E-08	1.3E-08	1.2E-08	5.4E-09	6.8E-10	9.7E-09	3.0E-09	4.3E-09	3.9E-09	8.6E-10	2.2E-08
134 UCART1	570510.6	4177958.99	570510.55, 4177958.99	5.46E-05	2.16E-05	1.9E-08	5.7E-08	2.3E-08	1.3E-08	1.2E-08	5.4E-09	7.4E-10	1.0E-08	2.9E-09	4.3E-09	3.9E-09	8.5E-10	2.3E-08
135 UCART1	570550.6	4177958.99	570550.55, 4177958.99	5.90E-05	2.15E-05	2.0E-08	6.2E-08	2.3E-08	1.3E-08	1.2E-08	5.4E-09	8.0E-10	1.1E-08	2.9E-09	4.3E-09	3.9E-09	8.5E-10	2.4E-08
136 UCART1	570590.6	4177958.99	570590.55, 4177958.99	6.37E-05	2.18E-05	2.2E-08	6.7E-08	2.3E-08	1.3E-08	1.2E-08	5.5E-09	8.7E-10	1.2E-08	3.0E-09	4.4E-09	3.9E-09	8.6E-10	2.5E-08
137 UCART1	570630.6	4177958.99	570630.55, 4177958.99	6.85E-05	2.17E-05	2.4E-08	7.2E-08	2.3E-08	1.3E-08	1.2E-08	5.4E-09	9.3E-10	1.3E-08	3.0E-09	4.3E-09	3.9E-09	8.6E-10	2.6E-08
138 UCART1	570670.6	4177958.99	570670.55, 4177958.99	7.32E-05	2.16E-05	2.5E-08	7.7E-08	2.3E-08	1.3E-08	1.2E-08	5.4E-09	1.0E-09	1.4E-08	2.9E-09	4.3E-09	3.9E-09	8.5E-10	2.7E-08
139 UCART1	570710.6	4177958.99	570710.55, 4177958.99	7.79E-05	2.12E-05	2.7E-08	8.1E-08	2.2E-08	1.3E-08	1.2E-08	5.3E-09	1.1E-09	1.5E-08	2.9E-09	4.2E-09	3.8E-09	8.4E-10	2.8E-08
140 UCART1	570750.6	4177958.99	570750.55, 4177958.99	8.25E-05	2.22E-05	2.9E-08	8.6E-08	2.3E-08	1.3E-08	1.2E-08	5.5E-09	1.1E-09	1.6E-08	3.0E-09	4.4E-09	4.0E-09	8.8E-10	2.9E-08
141 UCART1	570790.6	4177958.99	570790.55, 4177958.99	8.72E-05	2.61E-05	3.0E-08	9.1E-08	2.7E-08	1.6E-08	1.4E-08	6.5E-09	1.2E-09	1.7E-08	3.6E-09	5.2E-09	4.7E-09	1.0E-09	3.2E-08
142 UCART1	570830.6	4177958.99	570830.55, 4177958.99	9.09E-05	2.80E-05	3.1E-08	9.5E-08	2.9E-08	1.7E-08	1.5E-08	7.0E-09	1.2E-09	1.7E-08	3.8E-09	5.6E-09	5.1E-09	1.1E-09	3.4E-08
143 UCART1	570870.6	4177958.99	570870.55, 4177958.99	9.55E-05	3.11E-05	3.3E-08	1.0E-07	3.2E-08	1.9E-08	1.7E-08	7.8E-09	1.3E-09	1.8E-08	4.2E-09	6.2E-09	5.6E-09	1.2E-09	3.7E-08
144 UCART1	570910.6	4177958.99	570910.55, 4177958.99	9.63E-05	2.52E-05	3.3E-08	1.0E-07	2.6E-08	1.5E-08	1.4E-08	6.3E-09	1.3E-09	1.8E-08	3.4E-09	5.0E-09	4.6E-09	9.9E-10	3.4E-08
145 UCART1	570950.6	4177958.99	570950.55, 4177958.99	9.71E-05	2.26E-05	3.4E-08	1.0E-07	2.4E-08	1.4E-08	1.2E-08	5.7E-09	1.3E-09	1.9E-08	3.1E-09	4.5E-09	4.1E-09	8.9E-10	3.3E-08
146 UCART1	570990.6	4177958.99	570990.55, 4177958.99	9.79E-05	2.12E-05	3.4E-08	1.0E-07	2.2E-08	1.3E-08	1.2E-08	5.3E-09	1.3E-09	1.9E-08	2.9E-09	4.2E-09	3.8E-09	8.4E-10	3.2E-08
147 UCART1	571030.6	4177958.99	571030.55, 4177958.99	9.92E-05	2.07E-05	3.4E-08	1.0E-07	2.2E-08	1.3E-08	1.1E-08	5.2E-09	1.3E-09	1.9E-08	2.8E-09	4.1E-09	3.8E-09	8.2E-10	3.2E-08
148 UCART1	571070.6	4177958.99	571070.55, 4177958.99	1.00E-04	2.11E-05	3.5E-08	1.0E-07	2.2E-08	1.3E-08	1.2E-08	5.3E-09	1.4E-09	1.9E-08	2.9E-09	4.2E-09	3.8E-09	8.3E-10	3.2E-08
149 UCART1	571110.6	4177958.99	571110.55, 4177958.99	1.02E-04	2.24E-05	3.5E-08	1.1E-07	2.3E-08	1.4E-08	1.2E-08	5.6E-09	1.4E-09	2.0E-08	3.0E-09	4.5E-09	4.0E-09	8.8E-10	3.3E-08
150 UCART1	571150.6	4177958.99	571150.55, 4177958.99	1.03E-04	2.43E-05	3.6E-08	1.1E-07	2.5E-08	1.5E-08	1.3E-08	6.1E-09	1.4E-09	2.0E-08	3.3E-09	4.8E-09	4.4E-09	9.6E-10	3.5E-08
151 UCART1	571190.6	4177958.99	571190.55, 4177958.99	1.04E-04	2.72E-05	3.6E-08	1.1E-07	2.8E-08	1.6E-08	1.5E-08	6.8E-09	1.4E-09	2.0E-08	3.7E-09	5.4E-09	4.9E-09	1.1E-09	3.6E-08
152 UCART1	571230.6	4177958.99	571230.55, 4177958.99	1.05E-04	3.29E-05	3.6E-08	1.1E-07	3.4E-08	2.0E-08	1.8E-08	8.2E-09	1.4E-09	2.0E-08	4.5E-09	6.6E-09	5.9E-09	1.3E-09	4.0E-08
153 UCART1	571270.6	4177958.99	571270.55, 4177958.99	1.08E-04	4.00E-05	3.7E-08	1.1E-07	4.2E-08	2.4E-08	2.2E-08	1.0E-08	1.5E-09	2.1E-08	5.5E-09	8.0E-09	7.2E-09	1.6E-09	4.4E-08
154 UCART1	571310.6	4177958.99	571310.55, 4177958.99	1.11E-04	5.01E-05	3.8E-08	1.2E-07	5.2E-08	3.0E-08	2.8E-08	1.3E-08	1.5E-09	2.1E-08	6.8E-09	1.0E-08	9.1E-09	2.0E-09	5.1E-08
155 UCART1	571350.6	4177958.99	571350.55, 4177958.99	1.15E-04	6.27E-05	4.0E-08	1.2E-07	6.6E-08	3.8E-08	3.4E-08	1.6E-08	1.6E-09	2.2E-08	8.5E-09	1.3E-08	1.1E-08	2.5E-09	5.9E-08
156 UCART1	571390.6	4177958.99	571390.55, 4177958.99	1.19E-04	7.64E-05	4.1E-08	1.2E-07	8.0E-08	4.6E-08	4.2E-08	1.9E-08	1.6E-09	2.3E-08	1.0E-08	1.5E-08	1.4E-08	3.0E-09	6.7E-08
157 UCART1	571430.6	4177958.99	571430.55, 4177958.99	1.23E-04	8.97E-05	4.2E-08	1.3E-07	9.4E-08	5.4E-08	4.9E-08	2.2E-08	1.7E-09	2.4E-08	1.2E-08	1.8E-08	1.6E-08	3.5E-09	7.5E-08
158 UCART1	571470.6	4177958.99	571470.55, 4177958.99	1.26E-04	9.99E-05	4.4E-08	1.3E-07	1.0E-07	6.0E-08	5.5E-08	2.5E-08	1.7E-09	2.4E-08	1.4E-08	2.0E-08	1.8E-08	3.9E-09	8.2E-08
159 UCART1	571510.6	4177958.99	571510.55, 4177958.99	1.27E-04	1.09E-04	4.4E-08	1.3E-07	1.1E-07	6.6E-08	6.0E-08	2.7E-08	1.7E-09	2.4E-08	1.5E-08	2.2E-08	2.0E-08	4.3E-09	8.7E-08
160 UCART1	571550.6	4177958.99	571550.55, 4177958.99	1.27E-04	1.14E-04	4.4E-08	1.3E-07	1.2E-07	6.9E-08	6.3E-08	2.9E-08	1.7E-09	2.4E-08	1.6E-08	2.3E-08	2.1E-08	4.5E-09	8.9E-08
161 UCART1	571590.6	4177958.99	571590.55, 4177958.99	1.24E-04	1.17E-04	4.3E-08	1.3E-07	1.2E-07	7.1E-08	6.4E-08	2.9E-08	1.7E-09	2.4E-08	1.6E-08	2.3E-08	2.1E-08	4.6E-09	9.1E-08
162 UCART1	571630.6	4177958.99	571630.55, 4177958.99	1.21E-04	1.17E-04	4.2E-08	1.3E-07	1.2E-07	7.1E-08	6.4E-08	2.9E-08	1.6E-09	2.3E-08	1.6E-08	2.3E-08	2.1E-08	4.6E-09	9.0E-08
163 UCART1	571670.6	4177958.99	571670.55, 4177958.99	1.16E-04	1.14E-04	4.0E-08	1.2E-07	1.2E-07	6.9E-08	6.3E-08	2.9E-08	1.6E-09	2.2E-08	1.6E-08	2.3E-08	2.1E-08	4.5E-09	8.7E-08
164 UCART1	571710.6	4177958.99	571710.55, 4177958.99	1.11E-04	1.10E-04	3.8E-08	1.2E-07	1.2E-07	6.7E-08	6.1E-08	2.8E-08	1.5E-09	2.1E-08	1.5E-08	2.2E-08	2.0E-08	4.4E-09	8.4E-08
165 UCART1	571750.6	4177958.99	571750.55, 4177958.99	1.05E-04	1.05E-04	3.6E-08	1.1E-07	1.1E-07	6.4E-08	5.8E-08	2.6E-08	1.4E-09	2.0E-08	1.4E-08	2.1E-08	1.9E-08	4.2E-09	8.0E-08
166 UCART1	571790.6	4177958.99	571790.55, 4177958.99	9.87E-05	9.96E-05	3.4E-08	1.0E-07	1.0E-07	6.0E-08	5.5E-08	2.5E-08	1.3E-09	1.9E-08	1.4E-08	2.0E-08	1.8E-08	3.9E-09	7.6E-08
167 UCART1	571830.6	4177958.99	571830.55, 4177958.99	9.26E-05	9.37E-05	3.2E-08	9.7E-08	9.8E-08	5.7E-08	5.1E-08	2.3E-08	1.3E-09	1.8E-08	1.3E-08	1.9E-08	1.7E-08	3.7E-09	7.1E-08
168 UCART1	571870.6	4177958.99	571870.55, 4177958.99	8.67E-05	8.76E-05	3.0E-08	9.1E-08	9.2E-08	5.3E-08	4.8E-08	2.2E-08	1.2E-09	1.7E-08	1.2E-08	1.7E-08	1.6E-08	3.5E-09	6.7E-08
169 UCART1	570230.6	4177998.99	570230.55, 4177998.99	3.15E-05	1.81E-05	1.1E-08	3.3E-08	1.9E-08	1.1E-08	9.9E-09	4.5E-09	4.3E-10	6.1E-09	2.5E-09	3.6E-09	3.3E-09	7.1E-10	1.7E-08
170 UCART1	570270.6	4177998.99	570270.55, 4177998.99	3.43E-05	2.05E-05	1.2E-08	3.6E-08	2.1E-08	1.2E-08	1.1E-08	5.1E-09	4.7E-10	6.6E-09	2.8E-09	4.1E-09	3.7E-09	8.1E-10	1.8E-08
171 UCART1	570310.6	4177998.99	570310.55, 4177998.99	3.74E-05	2.24E-05	1.3E-08	3.9E-08	2.3E-08	1.4E-08	1.2E-08	5.6E-09	5.1E-10	7.2E-09	3.1E-09	4.5E-09	4.1E-09	8.9E-10	2.0E-08
172 UCART1	570350.6	4177998.99	570350.55, 4177998.99	4.08E-05	2.44E-05	1.4E-08	4.3E-08	2.6E-08	1.5E-08	1.3E-08	6.1E-09	5.5E-10	7.8E-09	3.3E-09	4.9E-09	4.4E-09	9.6E-10	2.2E-08
173 UCART1	570390.6	4177998.99	570390.55, 4177998.99	4.46E-05	2.52E-05	1.5E-08	4.7E-08	2.6E-08	1.5E-08	1.4E-08	6.3E-09	6.1E-10	8.6E-09	3.4E-09	5.0E-09	4.6E-09	9.9E-10	2.3E-08
174 UCART1	570430.6	4177998.99	570430.55, 4177998.99	4.89E-05	2.55E-05	1.7E-08	5.1E-08	2.7E-08	1.5E-08	1.4E-08	6.4E-09	6.7E-10	9.4E-09	3.5E-09	5.1E-09	4.6E-09	1.0E-09	2.4E-08
175 UCART1	570470.6	4177998.99	570470.55, 4177998.99	5.37E-05	2.54E-05	1.9E-08	5.6E-08	2.7E-08	1.5E-08	1.4E-08	6.3E-09	7.3E-10	1.0E-08	3.5E-09	5.1E-09	4.6E-09	1.0E-09	2.5E-08
176 UCART1	570510.6	4177998.99	570510.55, 4177998.99	5.88E-05	2.51E-05	2.0E-08	6.1E-08	2.6E-08	1.5E-08	1.4E-08	6.3E-09	8.0E-10	1.1E-08	3.4E-09	5.0E-09	4.5E-09	9.9E-10	2.6E-08
177 UCART1	570550.6	4177998.99	570550.55, 4177998.99	6.42E-05	2.48E-05	2.2E-08	6.7E-08	2.6E-08	1.5E-08	1.4E-08	6.2E-09	8.7E-10	1.2E-08	3.4E-09	5.0E-09	4.5E-09	9.8E-10	2.7E-08
178 UCART1	570590.6	4177998.99	570590.55, 4177998.99	7.02E-05	2.47E-05	2.4E-08	7.3E-08	2.6E-08	1.5E-08	1.4E-08	6.2E-09	9.5E-10	1.3E-08	3.4E-09	4.9E-09	4.5E-09	9.8E-10	2.8E-08
179 UCART1	570630.6	4177998.99	570630.55, 4177998.99	7.65E-05	2.50E-05	2.6E-08	8.0E-08	2.6E-08	1.5E-08	1.4E-08	6.3E-09	1.0E-09	1.5E-08	3.4E-09	5.0E-09	4.5E-09	9.9E-10	3.0E-08
180 UCART1	570670.6	4177998.99	570670.55, 4177998.99	8.29E-05	2.49E-05	2.9E-08	8.7E-08	2.6E-08	1.5E-08	1.4E-08	6.2E-09	1.1E-09	1.6E-08	3.4E-09	5.0E-09	4.5E-09	9.8E-10	3.1E-08
181 UCART1	570710.6	4177998.99	570710.55, 4177998.99	8.95E-05	2.49E-05	3.1E-08	9.4E-08	2.6E-08	1.5E-08	1.4E-08	6.2E-09	1.2E-09	1.7E-08	3.4E-09	5.0E-09	4.5E-09	9.8E-10	3.2E-08
182 UCART1	570750.6	4177998.99	570750.55, 4177998.99	9.63E-05	2.63E-05	3.3E-08	1.0E-07	2.8E-08	1.6E-08	1.4E-08	6.6E-09	1.3E-09	1.9E-08	3.6E-09	5.3E-09	4.8E-09	1.0E-09	3.4E-08
183 UCART1	570790.6	4177998.99	570790.55, 4177998.99	1.04E-04	3.36E-05	3.6E-08	1.1E-07	3.5E-08	2.0E-08	1.8E-08	8.4E-09	1.4E-09	2.0E-08	4.6E-09	6.7E-09	6.1E-09	1.3E-09	4.0E-08
184 UCART1	570830.6	4177998.99	570830.55, 4177998.99	1.12E-04	3.78E-05	3.9E-08	1.2E-07	4.0E-08	2.3E-08	2.1E-08	9.5E-09	1.5E-09	2.2E-08	5.2E-09	7.6E-09	6.8E-09	1.5E-09	4.4E-08
185 UCART1	570870.6	4177998.99	570870.55, 4177998.99	1.19E-04	4.09E-05	4.1E-08	1.2E-07	4.3E-08	2.5E-08	2.2E-08	1.0E-08	1.6E-09	2.3E-08	5.6E-09	8.2E-09	7.4E-09	1.6E-09	4.7E-08
186 UCART1	570910.6	4177998.99	570910.55, 4177998.99	1.20E-04	3.08E-05	4.1E-08	1.3E-07	3.2E-08	1.9E-08	1.7E-08	7.7E-09	1.6E-09	2.3E-08	4.2E-09	6.2E-09	5.6E-09	1.2E-09	4.2E-08
187 UCART1	570950.6	4177998.99	570950.55, 4177998.99	1.21E-04	2.66E-05	4.2E-08	1.3E-07	2.8E-08	1.6E-08	1.5E-08	6.6E-09	1.7E-09	2.3E-08	3.6E-09	5.3E-09	4.8E-09	1.0E-09	4.0E-08
188 UCART1	570990.6	4177998.99	570990.55, 4177998.99	1.23E-04	2.45E-05	4.3E-08	1.3E-07	2.6E-08	1.5E-08	1.3E-08	6.1E-09	1.7E-09	2.4E-08	3.3E-09	4.9E-09	4.4E-09	9.7E-10	3.9E-08
189 UCART1	571030.6	4177998.99	571030.55, 4177998.99	1.24E-04	2.38E-05	4.3E-08	1.3E-07	2.5E-08	1.4E-08	1.3E-08	6.0E-09	1.7E-09	2.4E-08	3.2E-09	4.8E-09	4.3E-09	9.4E-10	3.9E-08
190 UCART1	571070.6	4177998.99	571070.55, 4177998.99	1.26E-04	2.50E-05	4.4E-08	1.3E-07	2.6E-08	1.5E-08	1.4E-08	6.2E-09	1.7E-09	2.4E-08	3.4E-09	5.0E-09	4.5E-09	9.9E-10	4.0E-08
191 UCART1	571110.6	4177998.99	571110.55, 4177998.99	1.25E-04	2.66E-05	4.3E-08	1.3E-07	2.8E-08	1.6E-08	1.5E-08	6.7E-09	1.7E-09	2.4E-08	3.6E-09	5.3E-09	4.8E-09	1.1E-09	4.0E-08
192 UCART1	571150.6	4177998.99	571150.55, 4177998.99	1.29E-04	3.00E-05	4.5E-08	1.4E-07	3.1E-08	1.8E-08	1.6E-08	7.5E-09	1.8E-09	2.5E-08	4.1E-09	6.0E-09	5.4E-09	1.2E-09	4.3E-08
193 UCART1	571190.6	4177998.99	571190.55, 4177998.99	1.32E-04	3.61E-05	4.6E-08	1.4E-07	3.8E-08	2.2E-08	2.0E-08	9.0E-09	1.8E-09	2.5E-08	4.9E-09	7.2E-09	6.5E-09	1.4E-09	4.7E-08

OPERATIONAL RISK (UNMITIGATED)

194	UCART1	571230.6	4177998.99	571230.55, 4177998.99	1.36E-04	4.47E-05	4.7E-08	1.4E-07	4.7E-08	2.7E-08	2.5E-08	1.1E-08	1.8E-09	2.6E-08	6.1E-09	8.9E-09	8.1E-09	1.8E-09	5.3E-08
195	UCART1	571270.6	4177998.99	571270.55, 4177998.99	1.41E-04	5.70E-05	4.9E-08	1.5E-07	6.0E-08	3.4E-08	3.1E-08	1.4E-08	1.9E-09	2.7E-08	7.8E-09	1.1E-08	1.0E-08	2.2E-09	6.1E-08
196	UCART1	571310.6	4177998.99	571310.55, 4177998.99	1.47E-04	7.27E-05	5.1E-08	1.5E-07	7.6E-08	4.4E-08	4.0E-08	1.8E-08	2.0E-09	2.8E-08	9.9E-09	1.5E-08	1.3E-08	2.9E-09	7.1E-08
197	UCART1	571350.6	4177998.99	571350.55, 4177998.99	1.53E-04	9.06E-05	5.3E-08	1.6E-07	9.5E-08	5.5E-08	5.0E-08	2.3E-08	2.1E-09	2.9E-08	1.2E-08	1.8E-08	1.6E-08	3.6E-09	8.2E-08
198	UCART1	571390.6	4177998.99	571390.55, 4177998.99	1.57E-04	1.08E-04	5.5E-08	1.6E-07	1.1E-07	6.5E-08	5.9E-08	2.7E-08	2.1E-09	3.0E-08	1.5E-08	2.1E-08	1.9E-08	4.2E-09	9.2E-08
199	UCART1	571430.6	4177998.99	571430.55, 4177998.99	1.60E-04	1.21E-04	5.5E-08	1.7E-07	1.3E-07	7.3E-08	6.6E-08	3.0E-08	2.2E-09	3.1E-08	1.7E-08	2.4E-08	2.2E-08	4.8E-09	1.0E-07
200	UCART1	571470.6	4177998.99	571470.55, 4177998.99	1.60E-04	1.32E-04	5.5E-08	1.7E-07	1.4E-07	8.0E-08	7.2E-08	3.3E-08	2.2E-09	3.1E-08	1.8E-08	2.6E-08	2.4E-08	5.2E-09	1.1E-07
201	UCART1	571510.6	4177998.99	571510.55, 4177998.99	1.58E-04	1.38E-04	5.5E-08	1.6E-07	1.4E-07	8.4E-08	7.6E-08	3.5E-08	2.1E-09	3.0E-08	1.9E-08	2.8E-08	2.5E-08	5.5E-09	1.1E-07
202	UCART1	571550.6	4177998.99	571550.55, 4177998.99	1.53E-04	1.41E-04	5.3E-08	1.6E-07	1.5E-07	8.5E-08	7.7E-08	3.5E-08	2.1E-09	2.9E-08	1.9E-08	2.8E-08	2.5E-08	5.6E-09	1.1E-07
203	UCART1	571590.6	4177998.99	571590.55, 4177998.99	1.47E-04	1.40E-04	5.1E-08	1.5E-07	1.5E-07	8.4E-08	7.7E-08	3.5E-08	2.0E-09	2.8E-08	1.9E-08	2.8E-08	2.5E-08	5.5E-09	1.1E-07
204	UCART1	571630.6	4177998.99	571630.55, 4177998.99	1.39E-04	1.36E-04	4.8E-08	1.5E-07	1.4E-07	8.2E-08	7.5E-08	3.4E-08	1.9E-09	2.7E-08	1.9E-08	2.7E-08	2.5E-08	5.4E-09	1.0E-07
205	UCART1	571670.6	4177998.99	571670.55, 4177998.99	1.31E-04	1.30E-04	4.5E-08	1.4E-07	1.4E-07	7.9E-08	7.1E-08	3.3E-08	1.8E-09	2.5E-08	1.8E-08	2.6E-08	2.4E-08	5.1E-09	1.0E-07
206	UCART1	571710.6	4177998.99	571710.55, 4177998.99	1.23E-04	1.24E-04	4.2E-08	1.3E-07	1.3E-07	7.5E-08	6.8E-08	3.1E-08	1.7E-09	2.4E-08	1.7E-08	2.5E-08	2.2E-08	4.9E-09	9.4E-08
207	UCART1	571750.6	4177998.99	571750.55, 4177998.99	1.14E-04	1.15E-04	4.0E-08	1.2E-07	1.2E-07	7.0E-08	6.3E-08	2.9E-08	1.6E-09	2.2E-08	1.6E-08	2.3E-08	2.1E-08	4.6E-09	8.8E-08
208	UCART1	571790.6	4177998.99	571790.55, 4177998.99	1.06E-04	1.08E-04	3.7E-08	1.1E-07	1.1E-07	6.5E-08	5.9E-08	2.7E-08	1.4E-09	2.0E-08	1.5E-08	2.1E-08	1.9E-08	4.3E-09	8.2E-08
209	UCART1	571830.6	4177998.99	571830.55, 4177998.99	9.85E-05	1.00E-04	3.4E-08	1.0E-07	1.0E-07	6.1E-08	5.5E-08	2.5E-08	1.3E-09	1.9E-08	1.4E-08	2.0E-08	1.8E-08	4.0E-09	7.6E-08
210	UCART1	571870.6	4177998.99	571870.55, 4177998.99	9.13E-05	9.31E-05	3.2E-08	9.5E-08	9.7E-08	5.6E-08	5.1E-08	2.3E-08	1.2E-09	1.8E-08	1.3E-08	1.9E-08	1.7E-08	3.7E-09	7.1E-08
211	UCART1	570230.6	4178038.99	570230.55, 4178038.99	3.22E-05	1.74E-05	1.1E-08	3.4E-08	1.8E-08	1.1E-08	9.6E-09	4.4E-09	4.4E-10	6.2E-09	2.4E-09	3.5E-09	3.2E-09	6.9E-10	1.6E-08
212	UCART1	570270.6	4178038.99	570270.55, 4178038.99	3.52E-05	2.06E-05	1.2E-08	3.7E-08	2.2E-08	1.2E-08	1.1E-08	5.1E-09	4.8E-10	6.8E-09	2.8E-09	4.1E-09	3.7E-09	8.1E-10	1.9E-08
213	UCART1	570310.6	4178038.99	570310.55, 4178038.99	3.85E-05	2.35E-05	1.3E-08	4.0E-08	2.5E-08	1.4E-08	1.3E-08	5.9E-09	5.2E-10	7.4E-09	3.2E-09	4.7E-09	4.3E-09	9.3E-10	2.1E-08
214	UCART1	570350.6	4178038.99	570350.55, 4178038.99	4.23E-05	2.60E-05	1.5E-08	4.4E-08	2.7E-08	1.6E-08	1.4E-08	6.5E-09	5.8E-10	8.1E-09	3.5E-09	5.2E-09	4.7E-09	1.0E-09	2.3E-08
215	UCART1	570390.6	4178038.99	570390.55, 4178038.99	4.66E-05	2.82E-05	1.6E-08	4.9E-08	3.0E-08	1.7E-08	1.5E-08	7.1E-09	6.3E-10	9.0E-09	3.9E-09	5.6E-09	5.1E-09	1.1E-09	2.5E-08
216	UCART1	570430.6	4178038.99	570430.55, 4178038.99	5.15E-05	2.91E-05	1.8E-08	5.4E-08	3.0E-08	1.8E-08	1.6E-08	7.3E-09	7.0E-10	9.9E-09	4.0E-09	5.8E-09	5.3E-09	1.1E-09	2.7E-08
217	UCART1	570470.6	4178038.99	570470.55, 4178038.99	5.70E-05	2.98E-05	2.0E-08	6.0E-08	3.1E-08	1.8E-08	1.6E-08	7.4E-09	7.8E-10	1.1E-08	4.1E-09	5.9E-09	5.4E-09	1.2E-09	2.8E-08
218	UCART1	570510.6	4178038.99	570510.55, 4178038.99	6.30E-05	2.95E-05	2.2E-08	6.6E-08	3.1E-08	1.8E-08	1.6E-08	7.4E-09	8.6E-10	1.2E-08	4.0E-09	5.9E-09	5.3E-09	1.2E-09	2.9E-08
219	UCART1	570550.6	4178038.99	570550.55, 4178038.99	6.96E-05	2.91E-05	2.4E-08	7.3E-08	3.0E-08	1.8E-08	1.6E-08	7.3E-09	9.5E-10	1.3E-08	4.0E-09	5.8E-09	5.3E-09	1.1E-09	3.1E-08
220	UCART1	570590.6	4178038.99	570590.55, 4178038.99	7.72E-05	2.86E-05	2.7E-08	8.1E-08	3.0E-08	1.7E-08	1.6E-08	7.2E-09	1.0E-09	1.5E-08	3.9E-09	5.7E-09	5.2E-09	1.1E-09	3.2E-08
221	UCART1	570630.6	4178038.99	570630.55, 4178038.99	8.52E-05	2.88E-05	2.9E-08	8.9E-08	3.0E-08	1.7E-08	1.6E-08	7.2E-09	1.2E-09	1.6E-08	3.9E-09	5.7E-09	5.2E-09	1.1E-09	3.4E-08
222	UCART1	570670.6	4178038.99	570670.55, 4178038.99	9.37E-05	2.89E-05	3.2E-08	9.8E-08	3.0E-08	1.7E-08	1.6E-08	7.2E-09	1.3E-09	1.8E-08	3.9E-09	5.8E-09	5.2E-09	1.1E-09	3.5E-08
223	UCART1	570710.6	4178038.99	570710.55, 4178038.99	1.03E-04	2.90E-05	3.6E-08	1.1E-07	3.0E-08	1.8E-08	1.6E-08	7.3E-09	1.4E-09	2.0E-08	4.0E-09	5.8E-09	5.3E-09	1.1E-09	3.7E-08
224	UCART1	570750.6	4178038.99	570750.55, 4178038.99	1.13E-04	3.07E-05	3.9E-08	1.2E-07	3.2E-08	1.9E-08	1.7E-08	7.7E-09	1.5E-09	2.2E-08	4.2E-09	6.1E-09	5.6E-09	1.2E-09	4.0E-08
225	UCART1	570790.6	4178038.99	570790.55, 4178038.99	1.24E-04	3.92E-05	4.3E-08	1.3E-07	4.1E-08	2.4E-08	2.1E-08	9.8E-09	1.7E-09	2.4E-08	5.3E-09	7.8E-09	7.1E-09	1.5E-09	4.7E-08
226	UCART1	570830.6	4178038.99	570830.55, 4178038.99	1.35E-04	4.33E-05	4.7E-08	1.4E-07	4.5E-08	2.6E-08	2.4E-08	1.1E-08	1.8E-09	2.6E-08	5.9E-09	8.6E-09	7.8E-09	1.7E-09	5.2E-08
227	UCART1	570870.6	4178038.99	570870.55, 4178038.99	1.46E-04	4.49E-05	5.1E-08	1.5E-07	4.7E-08	2.7E-08	2.5E-08	1.1E-08	2.0E-09	2.8E-08	6.1E-09	9.0E-09	8.1E-09	1.8E-09	5.5E-08
228	UCART1	570910.6	4178038.99	570910.55, 4178038.99	1.51E-04	3.43E-05	5.2E-08	1.6E-07	3.6E-08	2.1E-08	1.9E-08	8.6E-09	2.1E-09	2.9E-08	4.7E-09	6.8E-09	6.2E-09	1.4E-09	5.0E-08
229	UCART1	570950.6	4178038.99	570950.55, 4178038.99	1.55E-04	2.96E-05	5.4E-08	1.6E-07	3.1E-08	1.8E-08	1.6E-08	7.4E-09	2.1E-09	3.0E-08	4.0E-09	5.9E-09	5.4E-09	1.2E-09	4.8E-08
230	UCART1	570990.6	4178038.99	570990.55, 4178038.99	1.59E-04	2.76E-05	5.5E-08	1.7E-07	2.9E-08	1.7E-08	1.5E-08	6.9E-09	2.2E-09	3.1E-08	3.8E-09	5.5E-09	5.0E-09	1.1E-09	4.8E-08
231	UCART1	571030.6	4178038.99	571030.55, 4178038.99	1.61E-04	2.73E-05	5.6E-08	1.7E-07	2.9E-08	1.7E-08	1.5E-08	6.8E-09	2.2E-09	3.1E-08	3.7E-09	5.5E-09	4.9E-09	1.1E-09	4.8E-08
232	UCART1	571070.6	4178038.99	571070.55, 4178038.99	1.62E-04	2.94E-05	5.6E-08	1.7E-07	3.1E-08	1.8E-08	1.6E-08	7.4E-09	2.2E-09	3.1E-08	4.0E-09	5.9E-09	5.3E-09	1.2E-09	5.0E-08
233	UCART1	571110.6	4178038.99	571110.55, 4178038.99	1.56E-04	3.21E-05	5.4E-08	1.6E-07	3.4E-08	1.9E-08	1.8E-08	8.0E-09	2.1E-09	3.0E-08	4.4E-09	6.4E-09	5.8E-09	1.3E-09	5.0E-08
234	UCART1	571150.6	4178038.99	571150.55, 4178038.99	1.69E-04	3.93E-05	5.8E-08	1.8E-07	4.1E-08	2.4E-08	2.2E-08	9.8E-09	2.3E-09	3.2E-08	5.4E-09	7.9E-09	7.1E-09	1.6E-09	5.7E-08
235	UCART1	571190.6	4178038.99	571190.55, 4178038.99	1.78E-04	4.97E-05	6.1E-08	1.9E-07	5.2E-08	3.0E-08	2.7E-08	1.2E-08	2.4E-09	3.4E-08	6.8E-09	9.9E-09	9.0E-09	2.0E-09	6.4E-08
236	UCART1	571230.6	4178038.99	571230.55, 4178038.99	1.86E-04	6.50E-05	6.4E-08	1.9E-07	6.8E-08	3.9E-08	3.6E-08	1.6E-08	2.5E-09	3.6E-08	8.9E-09	1.3E-08	1.2E-08	2.6E-09	7.4E-08
237	UCART1	571270.6	4178038.99	571270.55, 4178038.99	1.95E-04	8.66E-05	6.8E-08	2.0E-07	9.1E-08	5.2E-08	4.8E-08	2.2E-08	2.7E-09	3.8E-08	1.2E-08	1.7E-08	1.6E-08	3.4E-09	8.8E-08
238	UCART1	571310.6	4178038.99	571310.55, 4178038.99	2.03E-04	1.10E-04	7.0E-08	2.1E-07	1.2E-07	6.7E-08	6.0E-08	2.8E-08	2.8E-09	3.9E-08	1.5E-08	2.2E-08	2.0E-08	4.4E-09	1.0E-07
239	UCART1	571350.6	4178038.99	571350.55, 4178038.99	2.08E-04	1.31E-04	7.2E-08	2.2E-07	1.4E-07	7.9E-08	7.2E-08	3.3E-08	2.8E-09	4.0E-08	1.8E-08	2.6E-08	2.4E-08	5.2E-09	1.2E-07
240	UCART1	571390.6	4178038.99	571390.55, 4178038.99	2.09E-04	1.49E-04	7.2E-08	2.2E-07	1.6E-07	9.0E-08	8.2E-08	3.7E-08	2.8E-09	4.0E-08	2.0E-08	3.0E-08	2.7E-08	5.9E-09	1.3E-07
241	UCART1	571430.6	4178038.99	571430.55, 4178038.99	2.06E-04	1.61E-04	7.1E-08	2.2E-07	1.7E-07	9.8E-08	8.8E-08	4.0E-08	2.8E-09	4.0E-08	2.2E-08	3.2E-08	2.9E-08	6.4E-09	1.3E-07
242	UCART1	571470.6	4178038.99	571470.55, 4178038.99	2.00E-04	1.69E-04	6.9E-08	2.1E-07	1.8E-07	1.0E-07	9.2E-08	4.2E-08	2.7E-09	3.9E-08	2.3E-08	3.4E-08	3.1E-08	6.7E-09	1.4E-07
243	UCART1	571510.6	4178038.99	571510.55, 4178038.99	1.91E-04	1.71E-04	6.6E-08	2.0E-07	1.8E-07	1.0E-07	9.4E-08	4.3E-08	2.6E-09	3.7E-08	2.3E-08	3.4E-08	3.1E-08	6.7E-09	1.3E-07
244	UCART1	571550.6	4178038.99	571550.55, 4178038.99	1.81E-04	1.68E-04	6.3E-08	1.9E-07	1.8E-07	1.0E-07	9.2E-08	4.2E-08	2.5E-09	3.5E-08	2.3E-08	3.4E-08	3.0E-08	6.6E-09	1.3E-07
245	UCART1	571590.6	4178038.99	571590.55, 4178038.99	1.69E-04	1.63E-04	5.9E-08	1.8E-07	1.7E-07	9.9E-08	8.9E-08	4.1E-08	2.3E-09	3.2E-08	2.2E-08	3.3E-08	2.9E-08	6.4E-09	1.3E-07
246	UCART1	571630.6	4178038.99	571630.55, 4178038.99	1.57E-04	1.55E-04	5.4E-08	1.6E-07	1.6E-07	9.4E-08	8.5E-08	3.9E-08	2.1E-09	3.0E-08	2.1E-08	3.1E-08	2.8E-08	6.1E-09	1.2E-07
247	UCART1	571670.6	4178038.99	571670.55, 4178038.99	1.45E-04	1.45E-04	5.0E-08	1.5E-07	1.5E-07	8.8E-08	8.0E-08	3.6E-08	2.0E-09	2.8E-08	2.0E-08	2.9E-08	2.6E-08	5.7E-09	1.1E-07
248	UCART1	571710.6	4178038.99	571710.55, 4178038.99	1.33E-04	1.35E-04	4.6E-08	1.4E-07	1.4E-07	8.2E-08	7.4E-08	3.4E-08	1.8E-09	2.6E-08	1.8E-08	2.7E-08	2.4E-08	5.3E-09	1.0E-07
249	UCART1	571750.6	4178038.99	571750.55, 4178038.99	1.22E-04	1.24E-04	4.2E-08	1.3E-07	1.3E-07	7.5E-08	6.8E-08	3.1E-08	1.7E-09	2.4E-08	1.7E-08	2.5E-08	2.2E-08	4.9E-09	9.4E-08
250	UCART1	571790.6	4178038.99	571790.55, 4178038.99	1.12E-04	1.15E-04	3.9E-08	1.2E-07	1.2E-07	7.0E-08	6.3E-08	2.9E-08	1.5E-09	2.2E-08	1.6E-08	2.3E-08	2.1E-08	4.5E-09	8.7E-08
251	UCART1	571830.6	4178038.99	571830.55, 4178038.99	1.03E-04	1.06E-04	3.6E-08	1.1E-07	1.1E-07	6.4E-08	5.8E-08	2.6E-08	1.4E-09	2.0E-08	1.4E-08	2.1E-08	1.9E-08	4.2E-09	8.0E-08
252	UCART1	571870.6	4178038.99	571870.55, 4178038.99	9.51E-05	9.72E-05	3.3E-08	9.9E-08	1.0E-07	5.9E-08	5.3E-08	2.4E-08	1.3E-09	1.8E-08	1.3E-08	1.9E-08	1.8E-08	3.8E-09	7.4E-08
253	UCART1	570230.6	4178078.99	570230.55, 4178078.99	3.28E-05	1.65E-05	1.1E-08	3.4E-08	1.7E-08	1.0E-08	9.0E-09	4.1E-09	4.5E-10	6.3E-09	2.2E-09	3.3E-09	3.0E-09	6.5E-10	1.6E-08
254	UCART1	570270.6	4178078.99	570270.55, 4178078.99	3.60E-05	1.96E-05	1.2E-08	3.8E-08	2.1E-08	1.2E-08	1.1E-08	4.9E-09	4.9E-10	6.9E-09	2.7E-09	3.9E-09	3.6E-09	7.8E-10	1.8E-08
255	UCART1	570310.6	4178078.99	570310.55, 4178078.99	3.96E-05	2.33E-05	1.4E-08	4.1E-08	2.4E-08	1.4E-08	1.3E-08	5.8E-09	5.4E-10	7.6E-09	3.2E-09	4.7E-09	4.2E-09	9.2E-10	2.1E-08
256	UCART1	570350.6	4178078.99	570350.55, 4178078.99	4.37E-05	2.68E-05	1.5E-08	4.6E-08	2.8E-08	1.6E-08	1.5E-08	6.7E-09	5.9E-10	8.4E-09	3.7E-09	5.4E-09	4.9E-09	1.1E-09	2.4E-08
257	UCART1	570390.6	4178078.99	570390.55, 4178078.99	4.85E-05	3.03E-05	1.7E-08	5.1E-08	3.2E-08	1.8E-08	1.7E-08	7.6E-09	6.6E-10	9.3E-09	4.1E-09	6.1E-09	5.5E-09	1.2E-09	2.7E-08
258	UCART1	570430.6	4178078.99	570430.55, 4178078.99	5.40E-05	3.29E-05	1.9E-08	5.6E-08	3.4E-08	2.0E-08	1.8E-08	8.2E-09	7.3E-10	1.0E-08	4.5E-09	6.6E-09	6.0E-09	1.3E-09	2.9E-08
259	UCART1	570470.6	4178078.99	570470.55, 4178078.99	6.03E-05	3.41E-05	2.1E-08	6.3E-08	3.6E-08	2.1E-08	1.9E-08	8.5E-09	8.2E-10	1.2E-08	4.6E-09	6.8E-09	6.2E-09	1.3E-09	3.1E-08
260	UCART1	570510.6	4178078.99	570510.55, 4178078.99	6.74E-05	3.47E-05	2.3E-08	7.0E-08	3.6E-08	2.1E-08	1.9E-08	8.7E-09	9.2E-10	1.3E-08	4.7E-09	6.9E-09	6.3E-09	1.4E-09	3.3E-08
261	UCART1	570550.6	4178078.99	570550.55, 4178078.99	7.54E-05	3.41E-05	2.6E-08	7.9E-08	3.6E-08	2.1E-08	1.9E-08	8.5E-09	1.0E-09	1.4E-08	4.6E-09	6.8E-09	6.2E-09	1.3E-09	3.4E-08
262	UCART1	570590.6	4178078.99	570590.55, 4178078.99	8.45E-05	3.35E-05	2.9E-08	8.8E-08	3.5E-08	2.0E-08	1.8E-08	8.4E-09	1.1E-09	1.6E-08	4.6E-09	6.7E-09	6.1E-09	1.3E-09	3.6E-08
263	UCART1	570630.6	4178078.99	570630.55, 4178078.99	9.46E-05	3.33E-05	3.3E-08	9.9E-08	3.5E-08	2.0E-08	1.8E-08	8.3E-09	1.3E-09	1.8E-08	4.5E-09	6.7E-09	6.0E-09	1.3E-09	3.8E-08
264	UCART1	570670.6	4178078.99	570670.55, 4178078.99	1.06E-04	3.34E-05	3.7E-08	1.1E-07	3.5E-08	2.0E-08	1.8E-08	8.4E-09	1.4E-09	2.0E-08	4.6E-09	6.7E-09	6.0E-09	1.3E-09	4.0E-08
265	UCART1	570710.6	4178078.99	570710.55, 4178078.99	1.18E-04	3.36E-05	4.1E-08	1.2E-07	3.5E-08	2.0E-08	1.8E-08	8.4E-09	1.6E-09	2.3E-08	4.6E-09	6.7E-09	6.1E-09	1.3E-09	4.3E-08
266	UCART1	570750.6	4178078.99	570750.55, 4178078.99	1.32E-04	3.55E-05	4.6E-08	1.4E-07	3.7E-08	2.1E-08	1.9E-08	8.9E-09	1.8E-09	2.5E-08	4.8E-09	7.1E-09	6.4E-09	1.4E-09	4.7E-08
267	UCART1	570790.6	4178078.99	570790.55, 4178078.99	1.48E-04	4.50E-05	5.1E-08	1.5E-07	4.7E-08	2.7E-08	2.5E-08	1.1E-08	2.0E-09	2.8E-08	6.1E-09	9.0E-09	8.2E-09	1.8E-09	5.5E-08
268	UCART1	570830.6	4178078.99	570830.55, 4178078.99	1.64E-04	4.64E-05	5.7E-08	1.7E-07	4.9E-08	2.8E-08	2.5E-08	1.2E-08	2.2E-09	3.2E-08	6.3E-09	9.3E-09	8.4E-09	1.8E-09	6.0E-08
269	UCART1	570870.6	4178078.99	570870.55, 4178078.99	1.82E-04	4.71E-05	6.3E-08	1.9E-07	4.9E-08	2.8E-08	2.6E-08	1.2E-08	2.5E-09	3.5E-08	6.4E-09	9.4E-09	8.5E-09	1.9E-09	6.4E-08
270	UCART1	570910.6	4178078.99	570910.55, 4178078.99	1.94E-04	3.69E-05	6.7E-08	2.0E-07	3.9E-08	2.2E-08	2.0E-08	9.2E-09	2.6E-09	3.7E-08	5.0E-09	7.4E-09	6.7E-09	1.5E-09	6.0E-08
271	UCART1	570950.6	4178078.99	570950.55, 4178078.99	2.05E-04	3.24E-05	7.1E-08	2.1E-07	3.4E-08	2.0E-08	1.8E-08	8.1E-09	2.8E-09	3.9E-08	4.4E-09	6.5E-09	5.9E-09	1.3E-09	6.0E-08
272	UCART1	570990.6	4178078.99	570990.55, 4178078.99	2.14E-04	3.07E-05	7.4E-08	2.2E-07	3.2E-08	1.9E-08	1.7E-08	7.7E-09	2.9E-09	4.1E-08	4.2E-09	6.1E-09	5.6E-09	1.2E-09	6.1E-08
273	UCART1	571030.6	4178078.99	571030.55, 4178078.99	2.19E-04	3.17E-05	7.6E-08	2.3E-07	3.3E-08	1.9E-08	1.7E-08	7.9E-09	3.0E-09	4.2E-08	4.3E-09	6.3E-09	5.7E-09	1.3E-09	6.3E-08
274	UCART1	571070.6	4178078.99	571070.55, 4178078.99	2.24E-04	3.51E-05	7.8E-08	2.3E-07	3.7E-08	2.1E-08	1.9E-08	8.8E-09	3.1E-09	4.3E-08	4.8E-09	7.0E-09	6.4E-09	1.4E-09	6.6E-08
275	UCART1	571110.6	4178078.99	571110.55, 4178078.99	2.26E-04	4.25E-05	7.8E-08	2.4E-07	4.4E-08	2.6E-08	2.3E-08	1.1E-08	3.1E-09	4.3E-08	5.8E-09	8.5E-09	7.7E-09	1.7E-09	7.0E-08
276	UCART1	571150.6	4178078.99	571150.55, 4178078.99	2.41E-04	5.44E-05	8.4E-08	2.5E-07	5.7E-08	3.3E-08	3.0E-08	1.4E-08	3.3E-09	4.6E-08	7.4E-09	1.1E-08	9.8E-09	2.1E-09	8.0E-08
277	UCART1	571190.6	4178078.99	571190.55, 4178078.99	2.58E-04	7.51E-05	8.9E-08	2.7E-07	7.9E-08	4.5E-08	4.1E-08	1.9E-08	3.5E-09	5.0E-08	1.0E-08	1.5E-08	1.4E-08	3.0E-09	9.5E-08
278	UCART1	571230.6	4178078.99	571230.55, 4178078.99	2.73E-04	1.03E-04	9.4E-08	2.9E-07	1.1E-07	6.2E-08	5.6E-08	2.6E-08	3.7E-09	5.2E-08	1.4E-08	2.0E-08	1.9E-08	4.1E-09	1.1E-07
279	UCART1	571270.6	4178078.99	571270.55, 4178078.99	2.83E-04	1.33E-04	9.8E-08	3.0E-07	1.4E-07	8.1E-08	7.3E-08	3.3E-08	3.9E-09	5.4E-08	1.8E-08	2.7E-08	2.4E-08	5.3E-09	1.3E-07
280	UCART1	571310.6	4178078.99	571310.55, 4178078.99	2.87E-04	1.61E-04	9.9E-08	3.0E-07	1.7E-07	9.7E-08	8.8E-08	4.0E-08	3.9E-09	5.5E-08	2.2E-08	3.2E-08	2.9E-08	6.4E-09	1.5E-07
281	UCART1	571350.6	4178078.99	571350.55, 4178078.99	2.84E-04	1.84E-04	9.8E-08	3.0E-07	1.9E-07	1.1E-07	1.0E-07	4.6E-08	3.9E-09	5.4E-08	2.5E-08	3.7E-08	3.3E-08	7.3E-09	1.6E-07
282	UCART1	571390.6	4178078.99	571390.55, 4178078.99	2.74E-04	1.99E-04	9.5E-08	2.9E-07	2.1E-07	1.2E-07	1.1E-07	5.0E-08	3.7E-09	5.3E-08	2.7E-08	4.0E-08	3.6E-08	7.9E-09	1.7E-07
283	UCART1	571430.6	4178078.99	571430.55, 4178078.99	2.61E-04	2.07E-04	9.0E-08	2.7E-07	2.2E-07	1.3E-07	1.1E-07	5.2E-08	3.6E-09	5.0E-08	2.8E-08	4.1E-08	3.8E-08	8.2E-09	1.7E-07
284	UCART1	571470.6	4178078.99	571470.55, 4178078.99	2.45E-04	2.08E-04	8.5E-08	2.6E-07	2.2E-07	1.3E-07	1.1E-07	5.2E-08	3.3E-09	4.7E-08	2.8E-08	4.2E-08	3.8E-08	8.2E-09	1.7E-07
285	UCART1	571510.6	4178078.99	571510.55, 4178078.99	2.27E-04	2.03E-04	7.8E-08	2.4E-07	2.1E-07	1.2E-07	1.1E-07	5.1E-08	3.1E-09	4.4E-08	2.8E-08	4.1E-08	3.7E-08	8.0E-09	1.6E-07
286	UCART1	571550.6	4178078.99	571550.55, 4178078.99	2.08E-04	1.95E-04	7.2E-08	2.2E-07	2.0E-07	1.2E-07	1.1E-07	4.9E-08	2.8E-09	4.0E-08	2.7E-08	3.9E-08	3.5E-08	7.7E-09	1.5E-07
287	UCART1	571590.6	4178078.99	571590.55, 4178078.99	1.90E-04	1.83E-04	6.6E-08	2.0E-07	1.9E-07	1.1E-07	1.0E-07	4.6E-08	2.6E-09	3.7E-08	2.5E-08	3.7E-08	3.3E-08	7.2E-09	1.4E-07
288	UCART1	571630.6	4178078.99	571630.55, 4178078.99	1.73E-04	1.70E-04	6.0E-08	1.8E-07	1.8E-07	1.0E-07	9.3E-08	4.2E-08	2.4E-09	3.3E-08	2.3E-08	3.4E-08	3.1E-08	6.7E-09	1.3E-07
289	UCART1	571670.6	4178078.99	571670.55, 4178078.99	1.57E-04	1.57E-04	5.4E-08	1.6E-07	1.6E-07	9.5E-08	8.6E-08	3.9E-08	2.1E-09	3.0E-08	2.1E-08	3.1E-08	2.8E-08	6.2E-09	1.2E-07
290	UCART1	571710.6	4178078.99	571710.55, 4178078.99	1.42E-04	1.44E-04	4.9E-08	1.5E-07	1.5E-07	8.7E-08	7.9E-08	3.6E-08	1.9E-09	2.7E-08	2.0E-08	2.9E-08	2.6E-08	5.7E-09	1.1E-07
291	UCART1	571750.6	4178078.99	571750.55, 4178078.99	1.30E-04	1.32E-04	4.5E-08	1.4E-07	1.4E-07	8.0E-08	7.3E-08	3.3E-08	1.8E-09	2.5E-08	1.8E-08	2.6E-08	2.4E-08	5.2E-09	1.0E-07
292	UCART1	571790.6	4178078.99	571790.55, 4178078.99	1.18E-04	1.21E-04	4.1E-08	1.2E-07	1.3E-07	7.3E-08	6.6E-08	3.0E-08	1.6E-09	2.3E-08	1.6E-08	2.4E-08	2.2E-08	4.8E-09	9.1E-08
293	UCART1	571830.6	4178078.99	571830.55, 4178078.99	1.08E-04	1.10E-04	3.7E-08	1.1E-07	1.1E-07	6.6E-08	6.0E-08	2.7E-08	1.5E-09	2.1E-08	1.5E-08	2.2E-08	2.0E-08	4.3E-09	8.3E-08
294	UCART1	571870.6	4178078.99	571870.55, 4178078.99	9.88E-05	9.97E-05	3.4E-08	1.0E-07	1.0E-07	6.0E-08	5.5E-08	2.5E-08	1.3E-09	1.9E-08	1.4E-08	2.0E-08	1.8E-08	3.9E-09	7.6E-08
295	UCART1	570230.6	4178118.99	570230.55, 4178118.99	3.33E-05	1.53E-05	1.2E-08	3.5E-08	1.6E-08	9.2E-09	8.4E-09	3.8E-09	4.5E-10	6.4E-09	2.1E-09	3.1E-09	2.8E-09	6.0E-10	1.5E-08
296	UCART1	570270.6	4178118.99	570270.55, 4178118.99	3.67E-05	1.85E-05	1.3E-08	3.8E-08	1.9E-08	1.1E-08	1.0E-08	4.6E-09	5.0E-10	7.0E-09	2.5E-09	3.7E-09	3.3E-09	7.3E-10	1.8E-08
297	UCART1	570310.6	4178118.99	570310.55, 4178118.99	4.05E-05	2.19E-05	1.4E-08	4.2E-08	2.3E-08	1.3E-08	1.2E-08	5.5E-09	5.5E-10	7.8E-09	3.0E-09	4.4E-09	4.0E-09	8.7E-10	2.1E-08
298	UCART1	570350.6	4178118.99	570350.55, 4178118.99	4.50E-05	2.64E-05	1.6E-08	4.7E-08	2.8E-08	1.6E-08	1.4E-08	6.6E-09	6.1E-10	8.6E-09	3.6E-09	5.3E-09	4.8E-09	1.0E-09	2.4E-08
299	UCART1	570390.6	4178118.99	570390.55, 4178118.99	5.02E-05	3.12E-05	1.7E-08	5.2E-08	3.3E-08	1.9E-08	1.7E-08	7.8E-09	6.8E-10	9.6E-09	4.2E-09	6.2E-09	5.6E-09	1.2E-09	2.8E-08
300	UCART1	570430.6	4178118.99	570430.55, 4178118.99	5.63E-05	3.55E-05	1.9E-08	5.9E-08	3.7E-08	2.1E-08	1.9E-08	8.9E-09	7.7E-10	1.1E-08	4.8E-09	7.1E-09	6.4E-09	1.4E-09	3.1E-08
301	UCART1	570470.6	4178118.99	570470.55, 4178118.99	6.34E-05	3.85E-05	2.2E-08	6.6E-08	4.0E-08	2.3E-08	2.1E-08	9.6E-09	8.6E-10	1.2E-08	5.2E-09	7.7E-09	7.0E-09	1.5E-09	3.4E-08
302	UCART1	570510.6	4178118.99	570510.55, 4178118.99	7.16E-05	3.98E-05	2.5E-08	7.5E-08	4.2E-08	2.4E-08	2.2E-08	1.0E-08	9.7E-10	1.4E-08	5.4E-09	7.9E-09	7.2E-09	1.6E-09	3.7E-08
303	UCART1	570550.6	4178118.99	570550.55, 4178118.99	8.12E-05	4.03E-05	2.8E-08	8.5E-08	4.2E-08	2.4E-08	2.2E-08	1.0E-08	1.1E-09	1.6E-08	5.5E-09	8.0E-09	7.3E-09	1.6E-09	3.9E-08
304	UCART1	570590.6	4178118.99	570590.55, 4178118.99	9.22E-05	3.98E-05	3.2E-08	9.6E-08	4.2E-08	2.4E-08	2.2E-08	1.0E-08	1.3E-09	1.8E-08	5.4E-09	7.9E-09	7.2E-09	1.6E-09	4.1E-08
305	UCART1	570630.6	4178118.99	570630.55, 4178118.99	1.05E-04	3.91E-05	3.6E-08	1.1E-07	4.1E-08	2.4E-08	2.1E-08	9.8E-09	1.4E-09	2.0E-08	5.3E-09	7.8E-09	7.1E-09	1.5E-09	4.3E-08
306	UCART1	570670.6	4178118.99	570670.55, 4178118.99	1.19E-04	3.91E-05	4.1E-08	1.2E-07	4.1E-08	2.4E-08	2.1E-08	9.8E-09	1.6E-09	2.3E-08	5.3E-09	7.8E-09	7.1E-09	1.5E-09	4.6E-08
307	UCART1	570710.6	4178118.99	570710.55, 4178118.99	1.35E-04	3.89E-05	4.7E-08	1.4E-07	4.1E-08	2.4E-08	2.1E-08	9.7E-09	1.8E-09	2.6E-08	5.3E-09	7.8E-09	7.0E-09	1.5E-09	4.9E-08
308	UCART1	570750.6	4178118.99	570750.55, 4178118.99	1.54E-04	4.05E-05	5.3E-08	1.6E-07	4.2E-08	2.4E-08	2.2E-08	1.0E-08	2.1E-09	3.0E-08	5.5E-09	8.1E-09	7.3E-09	1.6E-09	5.4E-08
309	UCART1	570790.6	4178118.99	570790.55, 4178118.99	1.77E-04	5.23E-05	6.1E-08	1.8E-07	5.5E-08	3.2E-08	2.9E-08	1.3E-08	2.4E-09	3.4E-08	7.1E-09	1.0E-08	9.5E-09	2.1E-09	6.5E-08
310	UCART1	570830.6	4178118.99	570830.55, 4178118.99	2.08E-04	7.37E-05	7.2E-08	2.2E-07	7.7E-08	4.5E-08	4.0E-08	1.8E-08	2.8E-09	4.0E-08	1.0E-08	1.5E-08	1.3E-08	2.9E-09	8.4E-08
311	UCART1	570870.6	4178118.99	570870.55, 4178118.99	2.28E-04	5.20E-05	7.9E-08	2.4E-07	5.4E-08	3.1E-08	2.9E-08	1.3E-08	3.1E-09	4.4E-08	7.1E-09	1.0E-08	9.4E-09	2.1E-09	7.6E-08
312	UCART1	570910.6	4178118.99	570910.55, 4178118.99	2.53E-04	4.47E-05	8.8E-08	2.6E-07	4.7E-08	2.7E-08	2.5E-08	1.1E-08	3.4E-09	4.9E-08	6.1E-09	8.9E-09	8.1E-09	1.8E-09	7.7E-08
313	UCART1	570950.6	4178118.99	570950.55, 4178118.99	2.81E-04	4.32E-05	9.7E-08	2.9E-07	4.5E-08	2.6E-08	2.4E-08	1.1E-08	3.8E-09	5.4E-08	5.9E-09	8.6E-09	7.8E-09	1.7E-09	8.2E-08
314	UCART1	570990.6	4178118.99	570990.55, 4178118.99	3.04E-04	4.73E-05	1.1E-07	3.2E-07	4.9E-08	2.9E-08	2.6E-08	1.2E-08	4.1E-09	5.8E-08	6.5E-09	9.5E-09	8.6E-09	1.9E-09	8.9E-08
315	UCART1	571030.6	4178118.99	571030.55, 4178118.99	3.21E-04	4.57E-05	1.1E-07	3.4E-07	4.8E-08	2.8E-08	2.5E-08	1.1E-08	4.4E-09	6.2E-08	6.2E-09	9.1E-09	8.3E-09	1.8E-09	9.1E-08
316	UCART1	571070.6	4178118.99	571070.55, 4178118.99	3.34E-04	4.33E-05	1.2E-07	3.5E-07	4.5E-08	2.6E-08	2.4E-08	1.1E-08	4.5E-09	6.4E-08	5.9E-09	8.7E-09	7.8E-09	1.7E-09	9.3E-08
317	UCART1	571110.6	4178118.99	571110.55, 4178118.99	3.54E-04	5.86E-05	1.2E-07	3.7E-07	6.1E-08	3.5E-08	3.2E-08	1.5E-08	4.8E-09	6.8E-08	8.0E-09	1.2E-08	1.1E-08	2.3E-09	1.1E-07
318	UCART1	571150.6	4178118.99	571150.55, 4178118.99	3.84E-04	8.53E-05	1.3E-07	4.0E-07	8.9E-08	5.2E-08	4.7E-08	2.1E-08	5.2E-09	7.4E-08	1.2E-08	1.7E-08	1.5E-08	3.4E-09	1.3E-07
319	UCART1	571190.6	4178118.99	571190.55, 4178118.99	4.10E-04	1.21E-04	1.4E-07	4.3E-07	1.3E-07	7.3E-08	6.6E-08	3.0E-08	5.6E-09	7.9E-08	1.6E-08	2.4E-08	2.2E-08	4.8E-09	1.5E-07
320	UCART1	571230.6	4178118.99	571230.55, 4178118.99	4.21E-04	1.62E-04	1.5E-07	4.4E-07	1.7E-07	9.8E-08	8.9E-08	4.0E-08	5.7E-09	8.1E-08	2.2E-08	3.2E-08	2.9E-08	6.4E-09	1.8E-07
321	UCART1	571270.6	4178118.99	571270.55, 4178118.99	4.17E-04	1.99E-04	1.4E-07	4.4E-07	2.1E-07	1.2E-07	1.1E-07	5.0E-08	5.7E-09	8.0E-08	2.7E-08	4.0E-08	3.6E-08	7.9E-09	2.0E-07
322	UCART1	571310.6	4178118.99	571310.55, 4178118.99	4.02E-04	2.29E-04	1.4E-07	4.2E-07	2.4E-07	1.4E-07	1.3E-07	5.7E-08	5.5E-09	7.7E-08	3.1E-08	4.6E-08	4.1E-08	9.0E-09	2.1E-07
323	UCART1	571350.6	4178118.99	571350.55, 4178118.99	3.79E-04	2.51E-04	1.3E-07	4.0E-07	2.6E-07	1.5E-07	1.4E-07	6.3E-08	5.2E-09	7.3E-08	3.4E-08	5.0E-08	4.5E-08	9.9E-09	2.2E-07
324	UCART1	571390.6	4178118.99	571390.55, 4178118.99	3.52E-04	2.61E-04	1.2E-07	3.7E-07	2.7E-07	1.6E-07	1.4E-07	6.5E-08	4.8E-09	6.8E-08	3.6E-08	5.2E-08	4.7E-08	1.0E-08	2.2E-07
325	UCART1	571430.6	4178118.99	571430.55, 4178118.99	3.21E-04	2.57E-04	1.1E-07	3.4E-07	2.7E-07	1.6E-07	1.4E-07	6.4E-08	4.4E-09	6.2E-08	3.5E-08	5.1E-08	4.7E-08	1.0E-08	2.1E-07
326	UCART1	571470.6	4178118.99	571470.55, 4178118.99	2.90E-04	2.47E-04	1.0E-07	3.0E-07	2.6E-07	1.5E-07	1.4E-07	6.2E-08	3.9E-09	5.6E-08	3.4E-08	4.9E-08	4.5E-08	9.8E-09	2.0E-07
327	UCART1	571510.6	4178118.99	571510.55, 4178118.99	2.61E-04	2.33E-04	9.0E-08	2.7E-07	2.4E-07	1.4E-07	1.3E-07	5.8E-08	3.5E-09	5.0E-08	3.2E-08	4.7E-08	4.2E-08	9.2E-09	1.8E-07
328	UCART1	571550.6	4178118.99	571550.55, 4178118.99	2.34E-04	2.17E-04	8.1E-08	2.4E-07	2.3E-07	1.3E-07	1.2E-07	5.4E-08	3.2E-09	4.5E-08	3.0E-08	4.3E-08	3.9E-08	8.6E-09	1.7E-07
329	UCART1	571590.6	4178118.99	571590.55, 4178118.99	2.09E-04	2.00E-04	7.2E-08	2.2E-07	2.1E-07	1.2E-07	1.1E-07	5.0E-08	2.8E-09	4.0E-08	2.7E-08	4.0E-08	3.6E-08	7.9E-09	1.5E-07
330	UCART1	571630.6	4178118.99	571630.55, 4178118.99	1.87E-04	1.82E-04	6.5E-08	2.0E-07	1.9E-07	1.1E-07	1.0E-07	4.6E-08	2.5E-09	3.6E-08	2.5E-08	3.6E-08	3.3E-08	7.2E-09	1.4E-07
331	UCART1	571670.6	4178118.99	571670.55, 4178118.99	1.68E-04	1.67E-04	5.8E-08	1.8E-07	1.7E-07	1.0E-07	9.2E-08	4.2E-08	2.3E-09	3.2E-08	2.3E-08	3.3E-08	3.0E-08	6.6E-09	1.3E-07
332	UCART1	571710.6	4178118.99	571710.55, 4178118.99	1.51E-04	1.52E-04	5.2E-08	1.6E-07	1.6E-07	9.2E-08	8.3E-08	3.8E-08	2.1E-09	2.9E-08	2.1E-08	3.0E-08	2.7E-08	6.0E-09	1.2E-07
333	UCART1	571750.6	4178118.99	571750.55, 4178118.99	1.36E-04	1.38E-04	4.7E-08	1.4E-07	1.4E-07	8.3E-08	7.5E-08	3.4E-08	1.9E-09	2.6E-08	1.9E-08	2.7E-08	2.5E-08	5.4E-09	1.0E-07
334	UCART1	571790.6	4178118.99	571790.55, 4178118.99	1.23E-04	1.24E-04	4.3E-08	1.3E-07	1.3E-07	7.5E-08	6.8E-08	3.1E-08	1.7E-09	2.4E-08	1.7E-08	2.5E-08	2.2E-08	4.9E-09	9.4E-08
335	UCART1	571830.6	4178118.99	571830.55, 4178118.99	1.12E-04	1.12E-04	3.9E-08	1.2E-07	1.2E-07	6.8E-08	6.2E-08	2.8E-08	1.5E-09	2.2E-08	1.5E-08	2.2E-08	2.0E-08	4.4E-09	8.6E-08
336	UCART1	571870.6	4178118.99	571870.55, 4178118.99	1.03E-04	1.02E-04	3.6E-08	1.1E-07	1.1E-07	6.2E-08	5.6E-08	2.6E-08	1.4E-09	2.0E-08	1.4E-08	2.0E-08	1.9E-08	4.0E-09	7.8E-08
337	UCART1	570230.6	4178158.99	570230.55, 4178158.99	3.38E-05	1.41E-05	1.2E-08	3.5E-08	1.5E-08	8.5E-09	7.7E-09	3.5E-09	4.6E-10	6.5E-09	1.9E-09	2.8E-09	2.5E-09	5.6E-10	1.5E-08
338	UCART1	570270.6	4178158.99	570270.55, 4178158.99	3.73E-05	1.68E-05	1.3E-08	3.9E-08	1.8E-08	1.0E-08	9.2E-09	4.2E-09	5.1E-10	7.2E-09	2.3E-09	3.3E-09	3.0E-09	6.6E-10	1.7E-08
339	UCART1	570310.6	4178158.99	570310.55, 4178158.99	4.13E-05	2.05E-05	1.4E-08	4.3E-08	2.1E-08	1.2E-08	1.1E-08	5.1E-09	5.6E-10	7.9E-09	2.8E-09	4.1E-09	3.7E-09	8.1E-10	2.0E-08
340	UCART1	570350.6	4178158.99	570350.55, 4178158.99	4.61E-05	2.47E-05	1.6E-08	4.8E-08	2.6E-08	1.5E-08	1.4E-08	6.2E-09	6.3E-10	8.9E-09	3.4E-09	4.9E-09	4.5E-09	9.8E-10	2.3E-08
341	UCART1	570390.6	4178158.99	570390.55, 4178158.99	5.17E-05	3.03E-05	1.8E-08	5.4E-08	3.2E-08	1.8E-08	1.7E-08	7.6E-09	7.0E-10	9.9E-09	4.1E-09	6.0E-09	5.5E-09	1.2E-09	2.7E-08
342	UCART1	570430.6	4178158.99	570430.55, 4178158.99	5.84E-05	3.61E-05	2.0E-08	6.1E-08	3.8E-08	2.2E-08	2.0E-08	9.0E-09	7.9E-10	1.1E-08	4.9E-09	7.2E-09	6.5E-09	1.4E-09	3.2E-08
343	UCART1	570470.6	4178158.99	570470.55, 4178158.99	6.63E-05	4.18E-05	2.3E-08	6.9E-08	4.4E-08	2.5E-08	2.3E-08	1.0E-08	9.0E-10	1.3E-08	5.7E-09	8.3E-09	7.6E-09	1.7E-09	3.7E-08
344	UCART1	570510.6	4178158.99	570510.55, 4178158.99	7.56E-05	4.56E-05	2.6E-08	7.9E-08	4.8E-08	2.8E-08	2.5E-08	1.1E-08	1.0E-09	1.5E-08	6.2E-09	9.1E-09	8.3E-09	1.8E-09	4.1E-08
345	UCART1	570550.6	4178158.99	570550.55, 4178158.99	8.68E-05	4.74E-05	3.0E-08	9.1E-08	5.0E-08	2.9E-08	2.6E-08	1.2E-08	1.2E-09	1.7E-08	6.5E-09	9.5E-09	8.6E-09	1.9E-09	4.4E-08
346	UCART1	570590.6	4178158.99	570590.55, 4178158.99	1.00E-04	4.75E-05	3.5E-08	1.0E-07	5.0E-08	2.9E-08	2.6E-08	1.2E-08	1.4E-09	1.9E-08	6.5E-09	9.5E-09	8.6E-09	1.9E-09	4.7E-08
347	UCART1	570630.6	4178158.99	570630.55, 4178158.99	1.15E-04	4.65E-05	4.0E-08	1.2E-07	4.9E-08	2.8E-08	2.5E-08	1.2E-08	1.6E-09	2.2E-08	6.3E-09	9.3E-09	8.4E-09	1.8E-09	5.0E-08
348	UCART1	570670.6	4178158.99	570670.55, 4178158.99	1.34E-04	4.62E-05	4.6E-08	1.4E-07	4.8E-08	2.8E-08	2.5E-08	1.2E-08	1.8E-09	2.6E-08	6.3E-09	9.2E-09	8.4E-09	1.8E-09	5.3E-08
349	UCART1	570710.6	4178158.99	570710.55, 4178158.99	1.55E-04	4.57E-05	5.4E-08	1.6E-07	4.8E-08	2.8E-08	2.5E-08	1.1E-08	2.1E-09	3.0E-08	6.2E-09	9.1E-09	8.3E-09	1.8E-09	5.7E-08
350	UCART1	570750.6	4178158.99	570750.55, 4178158.99	1.80E-04	4.75E-05	6.2E-08	1.9E-07	5.0E-08	2.9E-08	2.6E-08	1.2E-08	2.4E-09	3.5E-08	6.5E-09	9.5E-09	8.6E-09	1.9E-09	6.3E-08
351	UCART1	570790.6	4178158.99	570790.55, 4178158.99	2.12E-04	6.20E-05	7.3E-08	2.2E-07	6.5E-08	3.8E-08	3.4E-08	1.6E-08	2.9E-09	4.1E-08	8.4E-09	1.2E-08	1.1E-08	2.4E-09	7.8E-08
352	UCART1	570830.6	4178158.99	570830.55, 4178158.99	2.52E-04	7.30E-05	8.7E-08	2.6E-07	7.6E-08	4.4E-08	4.0E-08	1.8E-08	3.4E-09	4.8E-08	1.0E-08	1.5E-08	1.3E-08	2.9E-09	9.3E-08
353	UCART1	570870.6	4178158.99	570870.55, 4178158.99	2.88E-04	5.55E-05	1.0E-07	3.0E-07	5.8E-08	3.4E-08	3.0E-08	1.4E-08	3.9E-09	5.5E-08	7.6E-09	1.1E-08	1.0E-08	2.2E-09	9.0E-08
354	UCART1	570910.6	4178158.99	570910.55, 4178158.99	3.37E-04	4.92E-05	1.2E-07	3.5E-07	5.1E-08	3.0E-08	2.7E-08	1.2E-08	4.6E-09	6.5E-08	6.7E-09	9.8E-09	8.9E-09	1.9E-09	9.7E-08
355	UCART1	570950.6	4178158.99	570950.55, 4178158.99	3.99E-04	3.98E-05	1.4E-07	4.2E-07	4.2E-08	2.4E-08	2.2E-08	1.0E-08	5.4E-09	7.7E-08	5.4E-09	7.9E-09	7.2E-09	1.6E-09	1.0E-07
356	UCART1	570990.6	4178158.99	570990.55, 4178158.99	4.68E-04	5.07E-05	1.6E-07	4.9E-07	5.3E-08	3.1E-08	2.8E-08	1.3E-08	6.4E-09	9.0E-08	6.9E-09	1.0E-08	9.2E-09	2.0E-09	1.2E-07
357	UCART1	571030.6	4178158.99	571030.55, 4178158.99	5.28E-04	6.52E-05	1.8E-07	5.5E-07	6.8E-08	3.9E-08	3.6E-08	1.6E-08	7.2E-09	1.0E-07	8.9E-09	1.3E-08	1.2E-08	2.6E-09	1.4E-07
358	UCART1	571070.6	4178158.99	571070.55, 4178158.99	5.80E-04	8.67E-05	2.0E-07	6.1E-07	9.1E-08	5.2E-08	4.8E-08	2.2E-08	7.9E-09	1.1E-07	1.2E-08	1.7E-08	1.6E-08	3.4E-09	1.7E-07
359	UCART1	571110.6	4178158.99	571110.55, 4178158.99	6.54E-04	1.19E-04	2.3E-07	6.8E-07	1.2E-07	7.2E-08	6.5E-08	3.0E-08	8.9E-09	1.3E-07	1.6E-08	2.4E-08	2.2E-08	4.7E-09	2.0E-07
360	UCART1	571150.6	4178158.99	571150.55, 4178158.99	7.05E-04	1.65E-04	2.4E-07	7.4E-07	1.7E-07	1.0E-07	9.0E-08	4.1E-08	9.6E-09	1.4E-07	2.2E-08	3.3E-08	3.0E-08	6.5E-09	2.4E-07
361	UCART1	571190.6	4178158.99	571190.55, 4178158.99	6.98E-04	1.99E-04	2.4E-07	7.3E-07	2.1E-07	1.2E-07	1.1E-07	5.0E-08	9.5E-09	1.3E-07	2.7E-08	4.0E-08	3.6E-08	7.9E-09	2.5E-07
362	UCART1	571230.6	4178158.99	571230.55, 4178158.99	6.59E-04	2.47E-04	2.3E-07	6.9E-07	2.6E-07	1.5E-07	1.4E-07	6.2E-08	9.0E-09	1.3E-07	3.4E-08	4.9E-08	4.5E-08	9.8E-09	2.7E-07
363	UCART1	571270.6	4178158.99	571270.55, 4178158.99	6.08E-04	2.87E-04	2.1E-07	6.4E-07	3.0E-07	1.7E-07	1.6E-07	7.2E-08	8.3E-09	1.2E-07	3.9E-08	5.7E-08	5.2E-08	1.1E-08	2.8E-07
364	UCART1	571310.6	4178158.99	571310.55, 4178158.99	5.52E-04	3.15E-04	1.9E-07	5.8E-07	3.3E-07	1.9E-07	1.7E-07	7.9E-08	7.5E-09	1.1E-07	4.3E-08	6.3E-08	5.7E-08	1.2E-08	2.9E-07
365	UCART1	571350.6	4178158.99	571350.55, 4178158.99	4.94E-04	3.28E-04	1.7E-07	5.2E-07	3.4E-07	2.0E-07	1.8E-07	8.2E-08	6.7E-09	9.5E-08	4.5E-08	6.5E-08	5.9E-08	1.3E-08	2.8E-07
366	UCART1	571390.6	4178158.99	571390.55, 4178158.99	4.42E-04	3.34E-04	1.5E-07	4.6E-07	3.5E-07	2.0E-07	1.8E-07	8.4E-08	6.0E-09	8.5E-08	4.6E-08	6.7E-08	6.1E-08	1.3E-08	2.8E-07
367	UCART1	571430.6	4178158.99	571430.55, 4178158.99	3.84E-04	3.05E-04	1.3E-07	4.0E-07	3.2E-07	1.8E-07	1.7E-07	7.6E-08	5.2E-09	7.4E-08	4.2E-08	6.1E-08	5.5E-08	1.2E-08	2.5E-07
368	UCART1	571470.6	4178158.99	571470.55, 4178158.99	3.34E-04	2.81E-04	1.2E-07	3.5E-07	2.9E-07	1.7E-07	1.5E-07	7.0E-08	4.5E-09	6.4E-08	3.8E-08	5.6E-08	5.1E-08	1.1E-08	2.3E-07
369	UCART1	571510.6	4178158.99	571510.55, 4178158.99	2.93E-04	2.58E-04	1.0E-07	3.1E-07	2.7E-07	1.6E-07	1.4E-07	6.5E-08	4.0E-09	5.6E-08	3.5E-08	5.2E-08	4.7E-08	1.0E-08	2.0E-07
370	UCART1	571550.6	4178158.99	571550.55, 4178158.99	2.58E-04	2.35E-04	8.9E-08	2.7E-07	2.5E-07	1.4E-07	1.3E-07	5.9E-08	3.5E-09	5.0E-08	3.2E-08	4.7E-08	4.2E-08	9.3E-09	1.8E-07
371	UCART1	571590.6	4178158.99	571590.55, 4178158.99	2.27E-04	2.13E-04	7.9E-08	2.4E-07	2.2E-07	1.3E-07	1.2E-07	5.3E-08	3.1E-09	4.4E-08	2.9E-08	4.3E-08	3.9E-08	8.4E-09	1.7E-07
372	UCART1	571630.6	4178158.99	571630.55, 4178158.99	2.01E-04	1.93E-04	7.0E-08	2.1E-07	2.0E-07	1.2E-07	1.1E-07	4.8E-08	2.7E-09	3.9E-08	2.6E-08	3.8E-08	3.5E-08	7.6E-09	1.5E-07
373	UCART1	571670.6	4178158.99	571670.55, 4178158.99	1.79E-04	1.74E-04	6.2E-08	1.9E-07	1.8E-07	1.1E-07	9.6E-08	4.4E-08	2.4E-09	3.4E-08	2.4E-08	3.5E-08	3.2E-08	6.9E-09	1.3E-07
374	UCART1	571710.6	4178158.99	571710.55, 4178158.99	1.60E-04	1.56E-04	5.5E-08	1.7E-07	1.6E-07	9.5E-08	8.6E-08	3.9E-08	2.2E-09	3.1E-08	2.1E-08	3.1E-08	2.8E-08	6.2E-09	1.2E-07
375	UCART1	571750.6	4178158.99	571750.55, 4178158.99	1.43E-04	1.40E-04	5.0E-08	1.5E-07	1.5E-07	8.5E-08	7.7E-08	3.5E-08	1.9E-09	2.8E-08	1.9E-08	2.8E-08	2.5E-08	5.5E-09	1.1E-07
376	UCART1	571790.6	4178158.99	571790.55, 4178158.99	1.29E-04	1.26E-04	4.5E-08	1.4E-07	1.3E-07	7.6E-08	6.9E-08	3.2E-08	1.8E-09	2.5E-08	1.7E-08	2.5E-08	2.3E-08	5.0E-09	9.7E-08
377	UCART1	571830.6	4178158.99	571830.55, 4178158.99	1.17E-04	1.14E-04	4.1E-08	1.2E-07	1.2E-07	6.9E-08	6.2E-08	2.8E-08	1.6E-09	2.3E-08	1.5E-08	2.3E-08	2.1E-08	4.5E-09	8.7E-08
378	UCART1	571870.6	4178158.99	571870.55, 4178158.99	1.07E-04	1.03E-04	3.7E-08	1.1E-07	1.1E-07	6.2E-08	5.7E-08	2.6E-08	1.5E-09	2.1E-08	1.4E-08	2.1E-08	1.9E-08	4.1E-09	7.9E-08
379	UCART1	570230.6	4178198.99	570230.55, 4178198.99	3.42E-05	1.34E-05	1.2E-08	3.6E-08	1.4E-08	8.1E-09	7.3E-09	3.3E-09	4.7E-10	6.6E-09	1.8E-09	2.7E-09	2.4E-09	5.3E-10	1.4E-08
380	UCART1	570270.6	4178198.99	570270.55, 4178198.99	3.78E-05	1.56E-05	1.3E-08	4.0E-08	1.6E-08	9.4E-09	8.5E-09	3.9E-09	5.1E-10	7.3E-09	2.1E-09	3.1E-09	2.8E-09	6.1E-10	1.6E-08
381	UCART1	570310.6	4178198.99	570310.55, 4178198.99	4.21E-05	1.88E-05	1.5E-08	4.4E-08	2.0E-08	1.1E-08	1.0E-08	4.7E-09	5.7E-10	8.1E-09	2.6E-09	3.8E-09	3.4E-09	7.4E-10	1.9E-08
382	UCART1	570350.6	4178198.99	570350.55, 4178198.99	4.71E-05	2.28E-05	1.6E-08	4.9E-08	2.4E-08	1.4E-08	1.3E-08	5.7E-09	6.4E-10	9.0E-09	3.1E-09	4.6E-09	4.1E-09	9.0E-10	2.2E-08
383	UCART1	570390.6	4178198.99	570390.55, 4178198.99	5.31E-05	2.79E-05	1.8E-08	5.5E-08	2.9E-08	1.7E-08	1.5E-08	7.0E-09	7.2E-10	1.0E-08	3.8E-09	5.6E-09	5.0E-09	1.1E-09	2.6E-08
384	UCART1	570430.6	4178198.99	570430.55, 4178198.99	6.02E-05	3.47E-05	2.1E-08	6.3E-08	3.6E-08	2.1E-08	1.9E-08	8.7E-09	8.2E-10	1.2E-08	4.7E-09	6.9E-09	6.3E-09	1.4E-09	3.2E-08
385	UCART1	570470.6	4178198.99	570470.55, 4178198.99	6.89E-05	4.22E-05	2.4E-08	7.2E-08	4.4E-08	2.6E-08	2.3E-08	1.1E-08	9.4E-10	1.3E-08	5.8E-09	8.4E-09	7.6E-09	1.7E-09	3.8E-08
386	UCART1	570510.6	4178198.99	570510.55, 4178198.99	7.94E-05	4.93E-05	2.7E-08	8.3E-08	5.1E-08	3.0E-08	2.7E-08	1.2E-08	1.1E-09	1.5E-08	6.7E-09	9.8E-09	8.9E-09	1.9E-09	4.4E-08
387	UCART1	570550.6	4178198.99	570550.55, 4178198.99	9.22E-05	5.43E-05	3.2E-08	9.6E-08	5.7E-08	3.3E-08	3.0E-08	1.4E-08	1.3E-09	1.8E-08	7.4E-09	1.1E-08	9.8E-09	2.1E-09	4.9E-08
388	UCART1	570590.6	4178198.99	570590.55, 4178198.99	1.08E-04	5.64E-05	3.7E-08	1.1E-07	5.9E-08	3.4E-08	3.1E-08	1.4E-08	1.5E-09	2.1E-08	7.7E-09	1.1E-08	1.0E-08	2.2E-09	5.4E-08
389	UCART1	570630.6	4178198.99	570630.55, 4178198.99	1.27E-04	5.63E-05	4.4E-08	1.3E-07	5.9E-08	3.4E-08	3.1E-08	1.4E-08	1.7E-09	2.4E-08	7.7E-09	1.1E-08	1.0E-08	2.2E-09	5.7E-08
390	UCART1	570670.6	4178198.99	570670.55, 4178198.99	1.50E-04	5.53E-05	5.2E-08	1.6E-07	5.8E-08	3.3E-08	3.0E-08	1.4E-08	2.0E-09	2.9E-08	7.5E-09	1.1E-08	1.0E-08	2.2E-09	6.2E-08
391	UCART1	570710.6	4178198.99	570710.55, 4178198.99	1.77E-04	5.44E-05	6.1E-08	1.9E-07	5.7E-08	3.3E-08	3.0E-08	1.4E-08	2.4E-09	3.4E-08	7.4E-09	1.1E-08	9.8E-09	2.1E-09	6.7E-08
392	UCART1	570750.6	4178198.99	570750.55, 4178198.99	2.11E-04	5.57E-05	7.3E-08	2.2E-07	5.8E-08	3.4E-08	3.1E-08	1.4E-08	2.9E-09	4.1E-08	7.6E-09	1.1E-08	1.0E-08	2.2E-09	7.4E-08
393	UCART1	570790.6	4178198.99	570790.55, 4178198.99	2.53E-04	5.83E-05	8.8E-08	2.6E-07	6.1E-08	3.5E-08	3.2E-08	1.5E-08	3.4E-09	4.9E-08	7.9E-09	1.2E-08	1.1E-08	2.3E-09	8.5E-08
394	UCART1	570830.6	4178198.99	570830.55, 4178198.99	3.10E-04	7.29E-05	1.1E-07	3.2E-07	7.6E-08	4.4E-08	4.0E-08	1.8E-08	4.2E-09	6.0E-08	9.9E-09	1.5E-08	1.3E-08	2.9E-09	1.0E-07
395	UCART1	570870.6	4178198.99	570870.55, 4178198.99	3.71E-04	5.76E-05	1.3E-07	3.9E-07	6.0E-08	3.5E-08	3.2E-08	1.4E-08	5.0E-09	7.1E-08	7.9E-09	1.1E-08	1.0E-08	2.3E-09	1.1E-07
396	UCART1	570910.6	4178198.99	570910.55, 4178198.99	4.58E-04	4.15E-05	1.6E-07	4.8E-07	4.3E-08	2.5E-08	2.3E-08	1.0E-08	6.2E-09	8.8E-08	5.7E-09	8.3E-09	7.5E-09	1.6E-09	1.2E-07

OPERATIONAL RISK (UNMITIGATED)

397	UCART1	570950.6	4178198.99	570950.55, 4178198.99	5.85E-04	4.88E-05	2.0E-07	6.1E-07	5.1E-08	3.0E-08	2.7E-08	1.2E-08	8.0E-09	1.1E-07	6.7E-09	9.7E-09	8.8E-09	1.9E-09	1.5E-07
398	UCART1	570990.6	4178198.99	570990.55, 4178198.99	7.91E-04	5.26E-05	2.7E-07	8.3E-07	5.5E-08	3.2E-08	2.9E-08	1.3E-08	1.1E-08	1.5E-07	7.2E-09	1.1E-08	9.5E-09	2.1E-09	1.9E-07
399	UCART1	571030.6	4178198.99	571030.55, 4178198.99	1.10E-03	8.32E-05	3.8E-07	1.1E-06	8.7E-08	5.0E-08	4.6E-08	2.1E-08	1.5E-08	2.1E-07	1.1E-08	1.7E-08	1.5E-08	3.3E-09	2.7E-07
400	UCART1	571070.6	4178198.99	571070.55, 4178198.99	1.50E-03	1.58E-04	5.2E-07	1.6E-06	1.7E-07	9.6E-08	8.7E-08	4.0E-08	2.0E-08	2.9E-07	2.2E-08	3.2E-08	2.9E-08	6.3E-09	4.0E-07
401	UCART1	571110.6	4178198.99	571110.55, 4178198.99	1.62E-03	3.13E-04	5.6E-07	1.7E-06	3.3E-07	1.9E-07	1.7E-07	7.8E-08	2.2E-08	3.1E-07	4.3E-08	6.3E-08	5.7E-08	1.2E-08	5.1E-07
402	UCART1	571150.6	4178198.99	571150.55, 4178198.99	1.42E-03	4.54E-04	4.9E-07	1.5E-06	4.7E-07	2.7E-07	2.5E-07	1.1E-07	1.9E-08	2.7E-07	6.2E-08	9.1E-08	8.2E-08	1.8E-08	5.4E-07
403	UCART1	571190.6	4178198.99	571190.55, 4178198.99	1.21E-03	3.27E-04	4.2E-07	1.3E-06	3.4E-07	2.0E-07	1.8E-07	8.2E-08	1.6E-08	2.3E-07	4.5E-08	6.5E-08	5.9E-08	1.3E-08	4.3E-07
404	UCART1	571230.6	4178198.99	571230.55, 4178198.99	1.02E-03	3.63E-04	3.5E-07	1.1E-06	3.8E-07	2.2E-07	2.0E-07	9.1E-08	1.4E-08	2.0E-07	4.9E-08	7.2E-08	6.6E-08	1.4E-08	4.1E-07
405	UCART1	571270.6	4178198.99	571270.55, 4178198.99	8.71E-04	3.94E-04	3.0E-07	9.1E-07	4.1E-07	2.4E-07	2.2E-07	9.9E-08	1.2E-08	1.7E-07	5.4E-08	7.9E-08	7.1E-08	1.6E-08	4.0E-07
406	UCART1	571310.6	4178198.99	571310.55, 4178198.99	7.39E-04	4.16E-04	2.6E-07	7.7E-07	4.3E-07	2.5E-07	2.3E-07	1.0E-07	1.0E-08	1.4E-07	5.7E-08	8.3E-08	7.5E-08	1.6E-08	3.8E-07
407	UCART1	571350.6	4178198.99	571350.55, 4178198.99	6.29E-04	4.15E-04	2.2E-07	6.6E-07	4.3E-07	2.5E-07	2.3E-07	1.0E-07	8.6E-09	1.2E-07	5.7E-08	8.3E-08	7.5E-08	1.6E-08	3.6E-07
408	UCART1	571390.6	4178198.99	571390.55, 4178198.99	5.26E-04	3.75E-04	1.8E-07	5.5E-07	3.9E-07	2.3E-07	2.1E-07	9.4E-08	7.2E-09	1.0E-07	5.1E-08	7.5E-08	6.8E-08	1.5E-08	3.2E-07
409	UCART1	571430.6	4178198.99	571430.55, 4178198.99	4.44E-04	3.40E-04	1.5E-07	4.6E-07	3.6E-07	2.1E-07	1.9E-07	8.5E-08	6.0E-09	8.5E-08	4.6E-08	6.8E-08	6.1E-08	1.3E-08	2.8E-07
410	UCART1	571470.6	4178198.99	571470.55, 4178198.99	3.78E-04	3.06E-04	1.3E-07	3.9E-07	3.2E-07	1.9E-07	1.7E-07	7.7E-08	5.1E-09	7.3E-08	4.2E-08	6.1E-08	5.5E-08	1.2E-08	2.5E-07
411	UCART1	571510.6	4178198.99	571510.55, 4178198.99	3.24E-04	2.75E-04	1.1E-07	3.4E-07	2.9E-07	1.7E-07	1.5E-07	6.9E-08	4.4E-09	6.2E-08	3.7E-08	5.5E-08	5.0E-08	1.1E-08	2.2E-07
412	UCART1	571550.6	4178198.99	571550.55, 4178198.99	2.81E-04	2.47E-04	9.7E-08	2.9E-07	2.6E-07	1.5E-07	1.4E-07	6.2E-08	3.8E-09	5.4E-08	3.4E-08	4.9E-08	4.5E-08	9.8E-09	2.0E-07
413	UCART1	571590.6	4178198.99	571590.55, 4178198.99	2.45E-04	2.22E-04	8.5E-08	2.6E-07	2.3E-07	1.3E-07	1.2E-07	5.6E-08	3.3E-09	4.7E-08	3.0E-08	4.4E-08	4.0E-08	8.8E-09	1.7E-07
414	UCART1	571630.6	4178198.99	571630.55, 4178198.99	2.15E-04	1.99E-04	7.5E-08	2.3E-07	2.1E-07	1.2E-07	1.1E-07	5.0E-08	2.9E-09	4.1E-08	2.7E-08	4.0E-08	3.6E-08	7.8E-09	1.5E-07
415	UCART1	571670.6	4178198.99	571670.55, 4178198.99	1.90E-04	1.77E-04	6.6E-08	2.0E-07	1.9E-07	1.1E-07	9.7E-08	4.4E-08	2.6E-09	3.7E-08	2.4E-08	3.5E-08	3.2E-08	7.0E-09	1.4E-07
416	UCART1	571710.6	4178198.99	571710.55, 4178198.99	1.69E-04	1.58E-04	5.9E-08	1.8E-07	1.7E-07	9.6E-08	8.7E-08	4.0E-08	2.3E-09	3.3E-08	2.2E-08	3.2E-08	2.9E-08	6.2E-09	1.2E-07
417	UCART1	571750.6	4178198.99	571750.55, 4178198.99	1.51E-04	1.42E-04	5.2E-08	1.6E-07	1.5E-07	8.6E-08	7.8E-08	3.6E-08	2.1E-09	2.9E-08	1.9E-08	2.8E-08	2.6E-08	5.6E-09	1.1E-07
418	UCART1	571790.6	4178198.99	571790.55, 4178198.99	1.36E-04	1.28E-04	4.7E-08	1.4E-07	1.3E-07	7.7E-08	7.0E-08	3.2E-08	1.9E-09	2.6E-08	1.7E-08	2.5E-08	2.3E-08	5.0E-09	9.9E-08
419	UCART1	571830.6	4178198.99	571830.55, 4178198.99	1.23E-04	1.15E-04	4.3E-08	1.3E-07	1.2E-07	7.0E-08	6.3E-08	2.9E-08	1.7E-09	2.4E-08	1.6E-08	2.3E-08	2.1E-08	4.5E-09	8.9E-08
420	UCART1	571870.6	4178198.99	571870.55, 4178198.99	1.12E-04	1.04E-04	3.9E-08	1.2E-07	1.1E-07	6.3E-08	5.7E-08	2.6E-08	1.5E-09	2.2E-08	1.4E-08	2.1E-08	1.9E-08	4.1E-09	8.1E-08
421	UCART1	570230.6	4178238.99	570230.55, 4178238.99	3.46E-05	1.26E-05	1.2E-08	3.6E-08	1.3E-08	7.6E-09	6.9E-09	3.2E-09	4.7E-10	6.6E-09	1.7E-09	2.5E-09	2.3E-09	5.0E-10	1.4E-08
422	UCART1	570270.6	4178238.99	570270.55, 4178238.99	3.83E-05	1.46E-05	1.3E-08	4.0E-08	1.5E-08	8.8E-09	8.0E-09	3.7E-09	5.2E-10	7.4E-09	2.0E-09	2.9E-09	2.6E-09	5.8E-10	1.6E-08
423	UCART1	570310.6	4178238.99	570310.55, 4178238.99	4.27E-05	1.74E-05	1.5E-08	4.5E-08	1.8E-08	1.1E-08	9.5E-09	4.3E-09	5.8E-10	8.2E-09	2.4E-09	3.5E-09	3.1E-09	6.9E-10	1.8E-08
424	UCART1	570350.6	4178238.99	570350.55, 4178238.99	4.79E-05	2.09E-05	1.7E-08	5.0E-08	2.2E-08	1.3E-08	1.1E-08	5.2E-09	6.5E-10	9.2E-09	2.8E-09	4.2E-09	3.8E-09	8.3E-10	2.1E-08
425	UCART1	570390.6	4178238.99	570390.55, 4178238.99	5.42E-05	2.55E-05	1.9E-08	5.7E-08	2.7E-08	1.5E-08	1.4E-08	6.4E-09	7.4E-10	1.0E-08	3.5E-09	5.1E-09	4.6E-09	1.0E-09	2.5E-08
426	UCART1	570430.6	4178238.99	570430.55, 4178238.99	6.19E-05	3.16E-05	2.1E-08	6.5E-08	3.3E-08	1.9E-08	1.7E-08	7.9E-09	8.4E-10	1.2E-08	4.3E-09	6.3E-09	5.7E-09	1.2E-09	3.0E-08
427	UCART1	570470.6	4178238.99	570470.55, 4178238.99	7.13E-05	3.94E-05	2.5E-08	7.4E-08	4.1E-08	2.4E-08	2.2E-08	9.8E-09	9.7E-10	1.4E-08	5.4E-09	7.9E-09	7.1E-09	1.6E-09	3.7E-08
428	UCART1	570510.6	4178238.99	570510.55, 4178238.99	8.28E-05	4.92E-05	2.9E-08	8.7E-08	5.1E-08	3.0E-08	2.7E-08	1.2E-08	1.1E-09	1.6E-08	6.7E-09	9.8E-09	8.9E-09	1.9E-09	4.4E-08
429	UCART1	570550.6	4178238.99	570550.55, 4178238.99	9.73E-05	5.87E-05	3.4E-08	1.0E-07	6.1E-08	3.6E-08	3.2E-08	1.5E-08	1.3E-09	1.9E-08	8.0E-09	1.2E-08	1.1E-08	2.3E-09	5.3E-08
430	UCART1	570590.6	4178238.99	570590.55, 4178238.99	1.15E-04	6.53E-05	4.0E-08	1.2E-07	6.8E-08	4.0E-08	3.6E-08	1.6E-08	1.6E-09	2.2E-08	8.9E-09	1.3E-08	1.2E-08	2.6E-09	6.0E-08
431	UCART1	570630.6	4178238.99	570630.55, 4178238.99	1.38E-04	6.82E-05	4.8E-08	1.4E-07	7.1E-08	4.1E-08	3.7E-08	1.7E-08	1.9E-09	2.7E-08	9.3E-09	1.4E-08	1.2E-08	2.7E-09	6.6E-08
432	UCART1	570670.6	4178238.99	570670.55, 4178238.99	1.67E-04	6.75E-05	5.8E-08	1.7E-07	7.1E-08	4.1E-08	3.7E-08	1.7E-08	2.3E-09	3.2E-08	9.2E-09	1.3E-08	1.2E-08	2.7E-09	7.2E-08
433	UCART1	570710.6	4178238.99	570710.55, 4178238.99	2.03E-04	6.63E-05	7.0E-08	2.1E-07	6.9E-08	4.0E-08	3.6E-08	1.7E-08	2.8E-09	3.9E-08	9.0E-09	1.3E-08	1.2E-08	2.6E-09	7.9E-08
434	UCART1	570750.6	4178238.99	570750.55, 4178238.99	2.48E-04	6.68E-05	8.6E-08	2.6E-07	7.0E-08	4.0E-08	3.7E-08	1.7E-08	3.4E-09	4.8E-08	9.1E-09	1.3E-08	1.2E-08	2.6E-09	8.8E-08
435	UCART1	570790.6	4178238.99	570790.55, 4178238.99	3.07E-04	7.19E-05	1.1E-07	3.2E-07	7.5E-08	4.4E-08	3.9E-08	1.8E-08	4.2E-09	5.9E-08	9.8E-09	1.4E-08	1.3E-08	2.8E-09	1.0E-07
436	UCART1	570830.6	4178238.99	570830.55, 4178238.99	3.88E-04	7.56E-05	1.3E-07	4.1E-07	7.9E-08	4.6E-08	4.1E-08	1.9E-08	5.3E-09	7.5E-08	1.0E-08	1.5E-08	1.4E-08	3.0E-09	1.2E-07
437	UCART1	570870.6	4178238.99	570870.55, 4178238.99	4.91E-04	4.96E-05	1.7E-07	5.1E-07	5.2E-08	3.0E-08	2.7E-08	1.2E-08	6.7E-09	9.4E-08	6.8E-09	9.9E-09	9.0E-09	2.0E-09	1.3E-07
438	UCART1	570910.6	4178238.99	570910.55, 4178238.99	6.47E-04	4.84E-05	2.2E-07	6.8E-07	5.1E-08	2.9E-08	2.7E-08	1.2E-08	8.8E-09	1.2E-07	6.6E-09	9.7E-09	8.8E-09	1.9E-09	1.6E-07
439	UCART1	570950.6	4178238.99	570950.55, 4178238.99	9.09E-04	5.56E-05	3.1E-07	9.5E-07	5.8E-08	3.4E-08	3.0E-08	1.4E-08	1.2E-08	1.7E-07	7.6E-09	1.1E-08	1.0E-08	2.2E-09	2.2E-07
440	UCART1	570990.6	4178238.99	570990.55, 4178238.99	1.45E-03	9.68E-05	5.0E-07	1.5E-06	1.0E-07	5.9E-08	5.3E-08	2.4E-08	2.0E-08	2.8E-07	1.3E-08	1.9E-08	1.8E-08	3.8E-09	3.5E-07
441	UCART1	571030.6	4178238.99	571030.55, 4178238.99	2.02E-03	1.80E-04	7.0E-07	2.1E-06	1.9E-07	1.1E-07	9.9E-08	4.5E-08	2.7E-08	3.9E-07	2.5E-08	3.6E-08	3.3E-08	7.1E-09	5.2E-07
442	UCART1	571110.6	4178238.99	571110.55, 4178238.99	4.63E-03	4.58E-04	1.6E-06	4.8E-06	4.8E-07	2.8E-07	2.5E-07	1.1E-07	6.3E-08	8.9E-07	6.2E-08	9.1E-08	8.3E-08	1.8E-08	1.2E-06
443	UCART1	571150.6	4178238.99	571150.55, 4178238.99	2.97E-03	6.31E-04	1.0E-06	3.1E-06	6.6E-07	3.8E-07	3.5E-07	1.6E-07	4.0E-08	5.7E-07	8.6E-08	1.3E-07	1.1E-07	2.5E-08	9.6E-07
444	UCART1	571190.6	4178238.99	571190.55, 4178238.99	2.11E-03	8.03E-04	7.3E-07	2.2E-06	8.4E-07	4.9E-07	4.4E-07	2.0E-07	2.9E-08	4.1E-07	1.1E-07	1.6E-07	1.5E-07	3.2E-08	8.8E-07
445	UCART1	571230.6	4178238.99	571230.55, 4178238.99	1.58E-03	5.06E-04	5.5E-07	1.7E-06	5.3E-07	3.1E-07	2.8E-07	1.3E-07	2.2E-08	3.0E-07	6.9E-08	1.0E-07	9.2E-08	2.0E-08	6.1E-07
446	UCART1	571270.6	4178238.99	571270.55, 4178238.99	1.21E-03	5.07E-04	4.2E-07	1.3E-06	5.3E-07	3.1E-07	2.8E-07	1.3E-07	1.6E-08	2.3E-07	6.9E-08	1.0E-07	9.2E-08	2.0E-08	5.3E-07
447	UCART1	571310.6	4178238.99	571310.55, 4178238.99	9.55E-04	5.04E-04	3.3E-07	1.0E-06	5.3E-07	3.0E-07	2.8E-07	1.3E-07	1.3E-08	1.8E-07	6.9E-08	1.0E-07	9.1E-08	2.0E-08	4.8E-07
448	UCART1	571350.6	4178238.99	571350.55, 4178238.99	7.57E-04	4.50E-04	2.6E-07	7.9E-07	4.7E-07	2.7E-07	2.5E-07	1.1E-07	1.0E-08	1.5E-07	6.1E-08	9.0E-08	8.2E-08	1.8E-08	4.1E-07
449	UCART1	571390.6	4178238.99	571390.55, 4178238.99	6.12E-04	4.04E-04	2.1E-07	6.4E-07	4.2E-07	2.4E-07	2.2E-07	1.0E-07	8.3E-09	1.2E-07	5.5E-08	8.1E-08	7.3E-08	1.6E-08	3.5E-07
450	UCART1	571430.6	4178238.99	571430.55, 4178238.99	5.04E-04	3.60E-04	1.7E-07	5.3E-07	3.8E-07	2.2E-07	2.0E-07	9.0E-08	6.8E-09	9.7E-08	4.9E-08	7.2E-08	6.5E-08	1.4E-08	3.0E-07
451	UCART1	571470.6	4178238.99	571470.55, 4178238.99	4.21E-04	3.22E-04	1.5E-07	4.4E-07	3.4E-07	1.9E-07	1.8E-07	8.1E-08	5.7E-09	8.1E-08	4.4E-08	6.4E-08	5.8E-08	1.3E-08	2.7E-07
452	UCART1	571510.6	4178238.99	571510.55, 4178238.99	3.56E-04	2.86E-04	1.2E-07	3.7E-07	3.0E-07	1.7E-07	1.6E-07	7.2E-08	4.8E-09	6.8E-08	3.9E-08	5.7E-08	5.2E-08	1.1E-08	2.3E-07
453	UCART1	571550.6	4178238.99	571550.55, 4178238.99	3.05E-04	2.55E-04	1.1E-07	3.2E-07	2.7E-07	1.5E-07	1.4E-07	6.4E-08	4.1E-09	5.9E-08	3.5E-08	5.1E-08	4.6E-08	1.0E-08	2.0E-07
454	UCART1	571590.6	4178238.99	571590.55, 4178238.99	2.64E-04	2.26E-04	9.1E-08	2.8E-07	2.4E-07	1.4E-07	1.2E-07	5.6E-08	3.6E-09	5.1E-08	3.1E-08	4.5E-08	4.1E-08	8.9E-09	1.8E-07
455	UCART1	571630.6	4178238.99	571630.55, 4178238.99	2.30E-04	2.01E-04	8.0E-08	2.4E-07	2.1E-07	1.2E-07	1.1E-07	5.0E-08	3.1E-09	4.4E-08	2.7E-08	4.0E-08	3.6E-08	7.9E-09	1.6E-07
456	UCART1	571670.6	4178238.99	571670.55, 4178238.99	2.03E-04	1.79E-04	7.0E-08	2.1E-07	1.9E-07	1.1E-07	9.8E-08	4.5E-08	2.8E-09	3.9E-08	2.4E-08	3.6E-08	3.2E-08	7.1E-09	1.4E-07
457	UCART1	571710.6	4178238.99	571710.55, 4178238.99	1.80E-04	1.60E-04	6.2E-08	1.9E-07	1.7E-07	9.7E-08	8.8E-08	4.0E-08	2.4E-09	3.5E-08	2.2E-08	3.2E-08	2.9E-08	6.3E-09	1.3E-07
458	UCART1	571750.6	4178238.99	571750.55, 4178238.99	1.60E-04	1.43E-04	5.6E-08	1.7E-07	1.5E-07	8.7E-08	7.9E-08	3.6E-08	2.2E-09	3.1E-08	2.0E-08	2.9E-08	2.6E-08	5.7E-09	1.1E-07
459	UCART1	571790.6	4178238.99	571790.55, 4178238.99	1.44E-04	1.29E-04	5.0E-08	1.5E-07	1.4E-07	7.8E-08	7.1E-08	3.2E-08	2.0E-09	2.8E-08	1.8E-08	2.6E-08	2.3E-08	5.1E-09	1.0E-07
460	UCART1	571830.6	4178238.99	571830.55, 4178238.99	1.30E-04	1.16E-04	4.5E-08	1.4E-07	1.2E-07	7.0E-08	6.4E-08	2.9E-08	1.8E-09	2.5E-08	1.6E-08	2.3E-08	2.1E-08	4.6E-09	9.1E-08
461	UCART1	571870.6	4178238.99	571870.55, 4178238.99	1.18E-04	1.06E-04	4.1E-08	1.2E-07	1.1E-07	6.4E-08	5.8E-08	2.6E-08	1.6E-09	2.3E-08	1.4E-08	2.1E-08	1.9E-08	4.2E-09	8.3E-08
462	UCART1	570230.6	4178278.99	570230.55, 4178278.99	3.50E-05	1.24E-05	1.2E-08	3.7E-08	1.3E-08	7.5E-09	6.8E-09	3.1E-09	4.8E-10	6.7E-09	1.7E-09	2.5E-09	2.2E-09	4.9E-10	1.4E-08
463	UCART1	570270.6	4178278.99	570270.55, 4178278.99	3.88E-05	1.41E-05	1.3E-08	4.1E-08	1.5E-08	8.5E-09	7.7E-09	3.5E-09	5.3E-10	7.5E-09	1.9E-09	2.8E-09	2.6E-09	5.6E-10	1.6E-08
464	UCART1	570310.6	4178278.99	570310.55, 4178278.99	4.33E-05	1.64E-05	1.5E-08	4.5E-08	1.7E-08	9.9E-09	9.0E-09	4.1E-09	5.9E-10	8.3E-09	2.2E-09	3.3E-09	3.0E-09	6.5E-10	1.8E-08
465	UCART1	570350.6	4178278.99	570350.55, 4178278.99	4.87E-05	1.94E-05	1.7E-08	5.1E-08	2.0E-08	1.2E-08	1.1E-08	4.9E-09	6.6E-10	9.4E-09	2.7E-09	3.9E-09	3.5E-09	7.7E-10	2.1E-08
466	UCART1	570390.6	4178278.99	570390.55, 4178278.99	5.53E-05	2.33E-05	1.9E-08	5.8E-08	2.4E-08	1.4E-08	1.3E-08	5.8E-09	7.5E-10	1.1E-08	3.2E-09	4.7E-09	4.2E-09	9.2E-10	2.4E-08
467	UCART1	570430.6	4178278.99	570430.55, 4178278.99	6.33E-05	2.85E-05	2.2E-08	6.6E-08	3.0E-08	1.7E-08	1.6E-08	7.1E-09	8.6E-10	1.2E-08	3.9E-09	5.7E-09	5.2E-09	1.1E-09	2.9E-08
468	UCART1	570470.6	4178278.99	570470.55, 4178278.99	7.33E-05	3.58E-05	2.5E-08	7.7E-08	3.7E-08	2.2E-08	2.0E-08	8.9E-09	1.0E-09	1.4E-08	4.9E-09	7.1E-09	6.5E-09	1.4E-09	3.5E-08
469	UCART1	570510.6	4178278.99	570510.55, 4178278.99	8.59E-05	4.54E-05	3.0E-08	9.0E-08	4.7E-08	2.7E-08	2.5E-08	1.1E-08	1.2E-09	1.6E-08	6.2E-09	9.1E-09	8.2E-09	1.8E-09	4.3E-08
470	UCART1	570550.6	4178278.99	570550.55, 4178278.99	1.02E-04	5.79E-05	3.5E-08	1.1E-07	6.1E-08	3.5E-08	3.2E-08	1.4E-08	1.4E-09	2.0E-08	7.9E-09	1.2E-08	1.0E-08	2.3E-09	5.3E-08
471	UCART1	570590.6	4178278.99	570590.55, 4178278.99	1.23E-04	7.05E-05	4.2E-08	1.3E-07	7.4E-08	4.3E-08	3.9E-08	1.8E-08	1.7E-09	2.4E-08	9.6E-09	1.4E-08	1.3E-08	2.8E-09	6.4E-08
472	UCART1	570630.6	4178278.99	570630.55, 4178278.99	1.49E-04	7.94E-05	5.2E-08	1.6E-07	8.3E-08	4.8E-08	4.4E-08	2.0E-08	2.0E-09	2.9E-08	1.1E-08	1.6E-08	1.4E-08	3.1E-09	7.5E-08
473	UCART1	570670.6	4178278.99	570670.55, 4178278.99	1.85E-04	8.30E-05	6.4E-08	1.9E-07	8.7E-08	5.0E-08	4.6E-08	2.1E-08	2.5E-09	3.5E-08	1.1E-08	1.7E-08	1.5E-08	3.3E-09	8.4E-08
474	UCART1	570710.6	4178278.99	570710.55, 4178278.99	2.31E-04	8.12E-05	8.0E-08	2.4E-07	8.5E-08	4.9E-08	4.5E-08	2.0E-08	3.1E-09	4.4E-08	1.1E-08	1.6E-08	1.5E-08	3.2E-09	9.3E-08
475	UCART1	570750.6	4178278.99	570750.55, 4178278.99	2.93E-04	8.43E-05	1.0E-07	3.1E-07	8.8E-08	5.1E-08	4.6E-08	2.1E-08	4.0E-09	5.6E-08	1.1E-08	1.7E-08	1.5E-08	3.3E-09	1.1E-07
476	UCART1	570790.6	4178278.99	570790.55, 4178278.99	3.76E-04	8.24E-05	1.3E-07	3.9E-07	8.6E-08	5.0E-08	4.5E-08	2.1E-08	5.1E-09	7.2E-08	1.1E-08	1.6E-08	1.5E-08	3.3E-09	1.2E-07
477	UCART1	570830.6	4178278.99	570830.55, 4178278.99	4.95E-04	7.75E-05	1.7E-07	5.2E-07	8.1E-08	4.7E-08	4.2E-08	1.9E-08	6.7E-09	9.5E-08	1.1E-08	1.5E-08	1.4E-08	3.1E-09	1.4E-07
478	UCART1	570870.6	4178278.99	570870.55, 4178278.99	6.71E-04	5.77E-05	2.3E-07	7.0E-07	6.0E-08	3.5E-08	3.2E-08	1.4E-08	9.1E-09	1.3E-07	7.9E-09	1.2E-08	1.0E-08	2.3E-09	1.7E-07
479	UCART1	570910.6	4178278.99	570910.55, 4178278.99	9.88E-04	7.29E-05	3.4E-07	1.0E-06	7.6E-08	4.4E-08	4.0E-08	1.8E-08	1.3E-08	1.9E-07	9.9E-09	1.5E-08	1.3E-08	2.9E-09	2.4E-07
480	UCART1	570950.6	4178278.99	570950.55, 4178278.99	1.61E-03	1.17E-04	5.6E-07	1.7E-06	1.2E-07	7.1E-08	6.4E-08	2.9E-08	2.2E-08	3.1E-07	1.6E-08	2.3E-08	2.1E-08	4.6E-09	4.0E-07
481	UCART1	571150.6	4178278.99	571150.55, 4178278.99	4.40E-03	8.92E-04	1.5E-06	4.6E-06	9.3E-07	5.4E-07	4.9E-07	2.2E-07	6.0E-08	8.5E-07	1.2E-07	1.8E-07	1.6E-07	3.5E-08	1.4E-06
482	UCART1	571190.6	4178278.99	571190.55, 4178278.99	3.58E-03	1.11E-03	1.2E-06	3.7E-06	1.2E-06	6.7E-07	6.1E-07	2.8E-07	4.9E-08	6.9E-07	1.5E-07	2.2E-07	2.0E-07	4.4E-08	1.4E-06
483	UCART1	571230.6	4178278.99	571230.55, 4178278.99	2.27E-03	7.39E-04	7.9E-07	2.4E-06	7.7E-07	4.5E-07	4.1E-07	1.8E-07	3.1E-08	4.4E-07	1.0E-07	1.5E-07	1.3E-07	2.9E-08	8.8E-07
484	UCART1	571270.6	4178278.99	571270.55, 4178278.99	1.57E-03	6.13E-04	5.4E-07	1.6E-06	6.4E-07	3.7E-07	3.4E-07	1.5E-07	2.1E-08	3.0E-07	8.4E-08	1.2E-07	1.1E-07	2.4E-08	6.6E-07
485	UCART1	571310.6	4178278.99	571310.55, 4178278.99	1.15E-03	5.41E-04	4.0E-07	1.2E-06	5.7E-07	3.3E-07	3.0E-07	1.4E-07	1.6E-08	2.2E-07	7.4E-08	1.1E-07	9.8E-08	2.1E-08	5.4E-07
486	UCART1	571350.6	4178278.99	571350.55, 4178278.99	8.80E-04	4.78E-04	3.0E-07	9.2E-07	5.0E-07	2.9E-07	2.6E-07	1.2E-07	1.2E-08	1.7E-07	6.5E-08	9.5E-08	8.7E-08	1.9E-08	4.5E-07
487	UCART1	571390.6	4178278.99	571390.55, 4178278.99	6.93E-04	4.22E-04	2.4E-07	7.2E-07	4.4E-07	2.6E-07	2.3E-07	1.1E-07	9.4E-09	1.3E-07	5.8E-08	8.4E-08	7.6E-08	1.7E-08	3.8E-07
488	UCART1	571430.6	4178278.99	571430.55, 4178278.99	5.59E-04	3.74E-04	1.9E-07	5.8E-07	3.9E-07	2.3E-07	2.1E-07	9.4E-08	7.6E-09	1.1E-07	5.1E-08	7.5E-08	6.8E-08	1.5E-08	3.2E-07
489	UCART1	571470.6	4178278.99	571470.55, 4178278.99	4.62E-04	3.30E-04	1.6E-07	4.8E-07	3.4E-07	2.0E-07	1.8E-07	8.2E-08	6.3E-09	8.9E-08	4.5E-08	6.6E-08	6.0E-08	1.3E-08	2.8E-07
490	UCART1	571510.6	4178278.99	571510.55, 4178278.99	3.86E-04	2.90E-04	1.3E-07	4.0E-07	3.0E-07	1.8E-07	1.6E-07	7.3E-08	5.3E-09	7.4E-08	4.0E-08	5.8E-08	5.3E-08	1.1E-08	2.4E-07
491	UCART1	571550.6	4178278.99	571550.55, 4178278.99	3.28E-04	2.57E-04	1.1E-07	3.4E-07	2.7E-07	1.6E-07	1.4E-07	6.4E-08	4.5E-09	6.3E-08	3.5E-08	5.1E-08	4.6E-08	1.0E-08	2.1E-07
492	UCART1	571590.6	4178278.99	571590.55, 4178278.99	2.83E-04	2.28E-04	9.8E-08	3.0E-07	2.4E-07	1.4E-07	1.3E-07	5.7E-08	3.8E-09	5.4E-08	3.1E-08	4.6E-08	4.1E-08	9.0E-09	1.9E-07
493	UCART1	571630.6	4178278.99	571630.55, 4178278.99	2.45E-04	2.02E-04	8.5E-08	2.6E-07	2.1E-07	1.2E-07	1.1E-07	5.1E-08	3.3E-09	4.7E-08	2.8E-08	4.0E-08	3.7E-08	8.0E-09	1.6E-07
494	UCART1	571670.6	4178278.99	571670.55, 4178278.99	2.16E-04	1.81E-04	7.5E-08	2.3E-07	1.9E-07	1.1E-07	9.9E-08	4.5E-08	2.9E-09	4.1E-08	2.5E-08	3.6E-08	3.3E-08	7.1E-09	1.5E-07
495	UCART1	571710.6	4178278.99	571710.55, 4178278.99	1.91E-04	1.63E-04	6.6E-08	2.0E-07	1.7E-07	9.8E-08	8.9E-08	4.1E-08	2.6E-09	3.7E-08	2.2E-08	3.2E-08	2.9E-08	6.4E-09	1.3E-07
496	UCART1	571750.6	4178278.99	571750.55, 4178278.99	1.70E-04	1.45E-04	5.9E-08	1.8E-07	1.5E-07	8.8E-08	8.0E-08	3.6E-08	2.3E-09	3.3E-08	2.0E-08	2.9E-08	2.6E-08	5.7E-09	1.2E-07
497	UCART1	571790.6	4178278.99	571790.55, 4178278.99	1.52E-04	1.31E-04	5.3E-08	1.6E-07	1.4E-07	7.9E-08	7.2E-08	3.3E-08	2.1E-09	2.9E-08	1.8E-08	2.6E-08	2.4E-08	5.2E-09	1.0E-07
498	UCART1	571830.6	4178278.99	571830.55, 4178278.99	1.37E-04	1.18E-04	4.7E-08	1.4E-07	1.2E-07	7.2E-08	6.5E-08	3.0E-08	1.9E-09	2.6E-08	1.6E-08	2.4E-08	2.1E-08	4.7E-09	9.4E-08
499	UCART1	571870.6	4178278.99	571870.55, 4178278.99	1.24E-04	1.07E-04	4.3E-08	1.3E-07	1.1E-07	6.5E-08	5.9E-08	2.7E-08	1.7E-09	2.4E-08	1.5E-08	2.1E-08	1.9E-08	4.2E-09	8.5E-08
500	UCART1	570230.6	4178318.99	570230.55, 4178318.99	3.54E-05	1.19E-05	1.2E-08	3.7E-08	1.2E-08	7.2E-09	6.5E-09	3.0E-09	4.8E-10	6.8E-09	1.6E-09	2.4E-09	2.2E-09	4.7E-10	1.4E-08
501	UCART1	570270.6	4178318.99	570270.55, 4178318.99	3.93E-05	1.36E-05	1.4E-08	4.1E-08	1.4E-08	8.2E-09	7.5E-09	3.4E-09	5.3E-10	7.6E-09	1.9E-09	2.7E-09	2.5E-09	5.4E-10	1.6E-08
502	UCART1	570310.6	4178318.99	570310.55, 4178318.99	4.39E-05	1.59E-05	1.5E-08	4.6E-08	1.7E-08	9.6E-09	8.7E-09	4.0E-09	6.0E-10	8.4E-09	2.2E-09	3.2E-09	2.9E-09	6.3E-10	1.8E-08
503	UCART1	570350.6	4178318.99	570350.55, 4178318.99	4.95E-05	1.85E-05	1.7E-08	5.2E-08	1.9E-08	1.1E-08	1.0E-08	4.6E-09	6.7E-10	9.5E-09	2.5E-09	3.7E-09	3.3E-09	7.3E-10	2.0E-08
504	UCART1	570390.6	4178318.99	570390.55, 4178318.99	5.62E-05	2.19E-05	1.9E-08	5.9E-08	2.3E-08	1.3E-08	1.2E-08	5.5E-09	7.6E-10	1.1E-08	3.0E-09	4.4E-09	4.0E-09	8.6E-10	2.4E-08
505	UCART1	570430.6	4178318.99	570430.55, 4178318.99	6.46E-05	2.63E-05	2.2E-08	6.8E-08	2.8E-08	1.6E-08	1.4E-08	6.6E-09	8.8E-10	1.2E-08	3.6E-09	5.3E-09	4.8E-09	1.0E-09	2.8E-08
506	UCART1	570470.6	4178318.99	570470.55, 4178318.99	7.51E-05	3.21E-05	2.6E-08	7.8E-08	3.4E-08	1.9E-08	1.8E-08	8.0E-09	1.0E-09	1.4E-08	4.4E-09	6.4E-09	5.8E-09	1.3E-09	3.3E-08
507	UCART1	570510.6	4178318.99	570510.55, 4178318.99	8.84E-05	4.05E-05	3.1E-08	9.2E-08	4.2E-08	2.5E-08	2.2E-08	1.0E-08	1.2E-09	1.7E-08	5.5E-09	8.1E-09	7.3E-09	1.6E-09	4.1E-08
508	UCART1	570550.6	4178318.99	570550.55, 4178318.99	1.06E-04	5.21E-05	3.7E-08	1.1E-07	5.4E-08	3.2E-08	2.9E-08	1.3E-08	1.4E-09	2.0E-08	7.1E-09	1.0E-08	9.4E-09	2.1E-09	5.1E-08
509	UCART1	570590.6	4178318.99	570590.55, 4178318.99	1.29E-04	6.82E-05	4.5E-08	1.3E-07	7.1E-08	4.1E-08	3.7E-08	1.7E-08	1.8E-09	2.5E-08	9.3E-09	1.4E-08	1.2E-08	2.7E-09	6.4E-08
510	UCART1	570630.6	4178318.99	570630.55, 4178318.99	1.60E-04	8.58E-05	5.5E-08	1.7E-07	9.0E-08	5.2E-08	4.7E-08	2.1E-08	2.2E-09	3.1E-08	1.2E-08	1.7E-08	1.6E-08	3.4E-09	8.1E-08
511	UCART1	570670.6	4178318.99	570670.55, 4178318.99	2.03E-04	9.90E-05	7.0E-08	2.1E-07	1.0E-07	6.0E-08	5.4E-08	2.5E-08	2.8E-09	3.9E-08	1.3E-08	2.0E-08	1.8E-08	3.9E-09	9.7E-08
512	UCART1	570710.6	4178318.99	570710.55, 4178318.99	2.62E-04	1.04E-04	9.1E-08	2.7E-07	1.1E-07	6.3E-08	5.7E-08	2.6E-08	3.6E-09	5.0E-08	1.4E-08	2.1E-08	1.9E-08	4.1E-09	1.1E-07
513	UCART1	570750.6	4178318.99	570750.55, 4178318.99	3.40E-04	1.06E-04	1.2E-07	3.6E-07	1.1E-07	6.4E-08	5.8E-08	2.7E-08	4.6E-09	6.5E-08	1.4E-08	2.1E-08	1.9E-08	4.2E-09	1.3E-07
514	UCART1	570790.6	4178318.99	570790.55, 4178318.99	4.62E-04	8.28E-05	1.6E-07	4.8E-07	8.7E-08	5.0E-08	4.5E-08	2.1E-08	6.3E-09	8.9E-08	1.1E-08	1.7E-08	1.5E-08	3.3E-09	1.4E-07
515	UCART1	570830.6	4178318.99	570830.55, 4178318.99	6.55E-04	8.77E-05	2.3E-07	6.8E-07	9.2E-08	5.3E-08	4.8E-08	2.2E-08	8.9E-09	1.3E-07	1.2E-08	1.8E-08	1.6E-08	3.5E-09	1.8E-07
516	UCART1	570870.6	4178318.99	570870.55, 4178318.99	9.76E-04	9.19E-05	3.4E-07	1.0E-06	9.6E-08	5.6E-08	5.0E-08	2.3E-08	1.3E-08	1.9E-07	1.3E-08	1.8E-08	1.7E-08	3.6E-09	2.5E-07
517	UCART1	570910.6	4178318.99	570910.55, 4178318.99	1.69E-03	1.35E-04	5.9E-07	1.8E-06	1.4E-07	8.2E-08	7.4E-08	3.4E-08	2.3E-08	3.3E-07	1.8E-08	2.7E-08	2.4E-08	5.3E-09	4.2E-07
518	UCART1	571190.6	4178318.99	571190.55, 4178318.99	4.34E-03	1.33E-03	1.5E-06	4.5E-06	1.4E-06	8.0E-07	7.3E-07	3.3E-07	5.9E-08	8.3E-07	1.8E-07	2.7E-07	2.4E-07	5.2E-08	1.6E-06
519	UCART1	571230.6	4178318.99	571230.55, 4178318.99	2.64E-03	1.41E-03	9.1E-07	2.8E-06	1.5E-06	8.5E-07	7.7E-07	3.5E-07	3.6E-08	5.1E-07	1.9E-07	2.8E-07	2.6E-07	5.6E-08	1.3E-06
520	UCART1	571270.6	4178318.99	571270.55, 4178318.99	1.77E-03	6.52E-04	6.1E-07	1.8E-06	6.8E-07	3.9E-07	3.6E-07	1.6E-07	2.4E-08	3.4E-07	8.9E-08	1.3E-07	1.2E-07	2.6E-08	7.3E-07
521	UCART1	571310.6	4178318.99	571310.55, 4178318.99	1.27E-03	5.64E-04	4.4E-07	1.3E-06	5.9E-07	3.4E-07	3.1E-07	1.4E-07	1.7E-08	2.4E-07	7.7E-08	1.1E-07	1.0E-07	2.2E-08	5.7E-07
522	UCART1	571350.6	4178318.99	571350.55, 4178318.99	9.56E-04	4.94E-04	3.3E-07	1.0E-06	5.2E-07	3.0E-07	2.7E-07	1.2E-07	1.3E-08	1.8E-07	6.7E-08	9.9E-08	8.9E-08	2.0E-08	4.7E-07
523	UCART1	571390.6	4178318.99	571390.55, 4178318.99	7.48E-04	4.32E-04	2.6E-07	7.8E-07	4.5E-07	2.6E-07	2.4E-07	1.1E-07	1.0E-08	1.4E-07	5.9E-08	8.6E-08	7.8E-08	1.7E-08	3.9E-07
524	UCART1	571430.6	4178318.99	571430.55, 4178318.99	6.00E-04	3.78E-04	2.1E-07	6.3E-07	4.0E-07	2.3E-07	2.1E-07	9.5E-08	8.2E-09	1.2E-07	5.2E-08	7.5E-08	6.8E-08	1.5E-08	3.3E-07
525	UCART1	571470.6	4178318.99	571470.55, 4178318.99	4.92E-04	3.33E-04	1.7E-07	5.1E-07	3.5E-07	2.0E-07	1.8E-07	8.3E-08	6.7E-09	9.5E-08	4.5E-08	6.6E-08	6.0E-08	1.3E-08	2.9E-07
526	UCART1	571510.6	4178318.99	571510.55, 4178318.99	4.11E-04	2.93E-04	1.4E-07	4.3E-07	3.1E-07	1.8E-07	1.6E-07	7.3E-08	5.6E-09	7.9E-08	4.0E-08	5.8E-08	5.3E-08	1.2E-08	2.5E-07
527	UCART1	571550.6	4178318.99	571550.55, 4178318.99	3.48E-04	2.59E-04	1.2E-07	3.6E-07	2.7E-07	1.6E-07	1.4E-07	6.5E-08	4.7E-09	6.7E-08	3.5E-08	5.2E-08	4.7E-08	1.0E-08	2.2E-07
528	UCART1	571590.6	4178318.99	571590.55, 4178318.99	2.98E-04	2.31E-04	1.0E-07	3.1E-07	2.4E-07	1.4E-07	1.3E-07	5.8E-08	4.1E-09	5.7E-08	3.2E-08	4.6E-08	4.2E-08	9.1E-09	1.9E-07
529	UCART1	571630.6	4178318.99	571630.55, 4178318.99	2.58E-04	2.06E-04	8.9E-08	2.7E-07	2.2E-07	1.2E-07	1.1E-07	5.2E-08	3.5E-09	5.0E-08	2.8E-08	4.1E-08	3.7E-08	8.1E-09	1.7E-07
530	UCART1	571670.6	4178318.99	571670.55, 4178318.99	2.26E-04	1.84E-04	7.8E-08	2.4E-07	1.9E-07	1.1E-07	1.0E-07	4.6E-08	3.1E-09	4.3E-08	2.5E-08	3.7E-08	3.3E-08	7.3E-09	1.5E-07
531	UCART1	571710.6	4178318.99	571710.55, 4178318.99	2.00E-04	1.65E-04	6.9E-08	2.1E-07	1.7E-07	1.0E-07	9.1E-08	4.1E-08	2.7E-09	3.8E-08	2.2E-08	3.3E-08	3.0E-08	6.5E-09	1.3E-07
532	UCART1	571750.6	4178318.99	571750.55, 4178318.99	1.78E-04	1.49E-04	6.2E-08	1.9E-07	1.6E-07	9.0E-08	8.2E-08	3.7E-08	2.4E-09	3.4E-08	2.0E-08	3.0E-08	2.7E-08	5.9E-09	1.2E-07
533	UCART1	571790.6	4178318.99	571790.55, 4178318.99	1.59E-04	1.34E-04	5.5E-08	1.7E-07	1.4E-07	8.1E-08	7.4E-08	3.4E-08	2.2E-09	3.1E-08	1.8E-08	2.7E-08	2.4E-08	5.3E-09	1.1E-07
534	UCART1	571830.6	4178318.99	571830.55, 4178318.99	1.43E-04	1.22E-04	5.0E-08	1.5E-07	1.3E-07	7.4E-08	6.7E-08	3.1E-08	1.9E-09	2.7E-08	1.7E-08	2.4E-08	2.2E-08	4.8E-09	9.7E-08
535	UCART1	571870.6	4178318.99	571870.55, 4178318.99	1.30E-04	1.10E-04	4.5E-08	1.4E-07	1.2E-07	6.7E-08	6.0E-08	2.8E-08	1.8E-09	2.5E-08	1.5E-08	2.2E-08	2.0E-08	4.3E-09	8.8E-08
536	UCART1	570230.6	4178358.99	570230.55, 4178358.99	3.59E-05	1.16E-05	1.2E-08	3.7E-08	1.2E-08	7.0E-09	6.4E-09	2.9E-09	4.9E-10	6.9E-09	1.6E-09	2.3E-09	2.1E-09	4.6E-10	1.4E-08
537	UCART1	570270.6	4178358.99	570270.55, 4178358.99	3.98E-05	1.34E-05	1.4E-08	4.2E-08	1.4E-08	8.1E-09	7.3E-09	3.3E-09	5.4E-10	7.7E-09	1.8E-09	2.7E-09	2.4E-09	5.3E-10	1.6E-08
538	UCART1	570310.6	4178358.99	570310.55, 4178358.99	4.45E-05	1.54E-05	1.5E-08	4.6E-08	1.6E-08	9.3E-09	8.4E-09	3.9E-09	6.0E-10	8.5E-09	2.1E-09	3.1E-09	2.8E-09	6.1E-10	1.8E-08
539	UCART1	570350.6	4178358.99	570350.55, 4178358.99	5.02E-05	1.77E-05	1.7E-08	5.2E-08	1.9E-08	1.1E-08	9.7E-09	4.4E-09	6.8E-10	9.6E-09	2.4E-09	3.5E-09	3.2E-09	7.0E-10	2.0E-08
540	UCART1	570390.6	4178358.99	570390.55, 4178358.99	5.72E-05	2.09E-05	2.0E-08	6.0E-08	2.2E-08	1.3E-08	1.1E-08	5.2E-09	7.8E-10	1.1E-08	2.8E-09	4.2E-09	3.8E-09	8.2E-10	2.3E-08
541	UCART1	570430.6	4178358.99	570430.55, 4178358.99	6.58E-05	2.48E-05	2.3E-08	6.9E-08	2.6E-08	1.5E-08	1.4E-08	6.2E-09	8.9E-10	1.3E-08	3.4E-09	5.0E-09	4.5E-09	9.8E-10	2.7E-08
542	UCART1	570470.6	4178358.99	570470.55, 4178358.99	7.67E-05	2.97E-05	2.7E-08	8.0E-08	3.1E-08	1.8E-08	1.6E-08	7.4E-09	1.0E-09	1.5E-08	4.0E-09	5.9E-09	5.4E-09	1.2E-09	3.2E-08
543	UCART1	570510.6	4178358.99	570510.55, 4178358.99	9.07E-05	3.64E-05	3.1E-08	9.5E-08	3.8E-08	2.2E-08	2.0E-08	9.1E-09	1.2E-09	1.7E-08	5.0E-09	7.3E-09	6.6E-09	1.4E-09	3.9E-08
544	UCART1	570550.6	4178358.99	570550.55, 4178358.99	1.09E-04	4.60E-05	3.8E-08	1.1E-07	4.8E-08	2.8E-08	2.5E-08	1.2E-08	1.5E-09	2.1E-08	6.3E-09	9.2E-09	8.3E-09	1.8E-09	4.8E-08
545	UCART1	570590.6	4178358.99	570590.55, 4178358.99	1.34E-04	6.02E-05	4.6E-08	1.4E-07	6.3E-08	3.6E-08	3.3E-08	1.5E-08	1.8E-09	2.6E-08	8.2E-09	1.2E-08	1.1E-08	2.4E-09	6.1E-08
546	UCART1	570630.6	4178358.99	570630.55, 4178358.99	1.69E-04	8.13E-05	5.9E-08	1.8E-07	8.5E-08	4.9E-08	4.5E-08	2.0E-08	2.3E-09	3.3E-08	1.1E-08	1.6E-08	1.5E-08	3.2E-09	8.0E-08
547	UCART1	570670.6	4178358.99	570670.55, 4178358.99	2.20E-04	1.05E-04	7.6E-08	2.3E-07	1.1E-07	6.4E-08	5.8E-08	2.6E-08	3.0E-09	4.2E-08	1.4E-08	2.1E-08	1.9E-08	4.2E-09	1.0E-07
548	UCART1	570710.6	4178358.99	570710.55, 4178358.99	2.95E-04	1.24E-04	1.0E-07	3.1E-07	1.3E-07	7.5E-08	6.8E-08	3.1E-08	4.0E-09	5.7E-08	1.7E-08	2.5E-08	2.2E-08	4.9E-09	1.3E-07
549	UCART1	570750.6	4178358.99	570750.55, 4178358.99	4.09E-04	1.34E-04	1.4E-07	4.3E-07	1.4E-07	8.1E-08	7.4E-08	3.4E-08	5.6E-09	7.9E-08	1.8E-08	2.7E-08	2.4E-08	5.3E-09	1.6E-07
550	UCART1	570790.6	4178358.99	570790.55, 4178358.99	5.71E-04	1.18E-04	2.0E-07	6.0E-07	1.2E-07	7.2E-08	6.5E-08	3.0E-08	7.8E-09	1.1E-07	1.6E-08	2.4E-08	2.1E-08	4.7E-09	1.8E-07
551	UCART1	570830.6	4178358.99	570830.55, 4178358.99	9.00E-04	9.98E-05	3.1E-07	9.4E-07	1.0E-07	6.0E-08	5.5E-08	2.5E-08	1.2E-08	1.7E-07	1.4E-08	2.0E-08	1.8E-08	3.9E-09	2.4E-07
552	UCART1	570870.6	4178358.99	570870.55, 4178358.99	1.59E-03	1.59E-04	5.5E-07	1.7E-06	1.7E-07	9.6E-08	8.7E-08	4.0E-08	2.2E-08	3.1E-07	2.2E-08	3.2E-08	2.9E-08	6.3E-09	4.2E-07
553	UCART1	571150.6	4178358.99	571150.55, 4178358.99	5.65E-03	1.27E-03	2.0E-06	5.9E-06	1.3E-06	7.7E-07	6.9E-07	3.2E-07	7.7E-08	1.1E-06	1.7E-07	2.5E-07	2.3E-07	5.0E-08	1.9E-06
554	UCART1	571190.6	4178358.99	571190.55, 4178358.99	3.78E-03	1.49E-03	1.3E-06	4.0E-06	1.6E-06	9.0E-07	8.2E-07	3.7E-07	5.1E-08	7.3E-07	2.0E-07	3.0E-07	2.7E-07	5.9E-08	1.6E-06
555	UCART1	571230.6	4178358.99	571230.55, 4178358.99	2.44E-03	1.40E-03	8.4E-07	2.5E-06	1.5E-06	8.5E-07	7.7E-07	3.5E-07	3.3E-08	4.7E-07	1.9E-07	2.8E-07	2.5E-07	5.5E-08	1.3E-06
556	UCART1	571270.6	4178358.99	571270.55, 4178358.99	1.70E-03	6.99E-04	5.9E-07	1.8E-06	7.3E-07	4.2E-07	3.8E-07	1.8E-07	2.3E-08	3.3E-07	9.5E-08	1.4E-07	1.3E-07	2.8E-08	7.4E-07
557	UCART1	571310.6	4178358.99	571310.55, 4178358.99	1.25E-03	5.79E-04	4.3E-07	1.3E-06	6.0E-07	3.5E-07	3.2E-07	1.4E-07	1.7E-08	2.4E-07	7.9E-08	1.2E-07	1.0E-07	2.3E-08	5.8E-07
558	UCART1	571350.6	4178358.99	571350.55, 4178358.99	9.60E-04	5.02E-04	3.3E-07	1.0E-06	5.2E-07	3.0E-07	2.8E-07	1.3E-07	1.3E-08	1.8E-07	6.8E-08	1.0E-07	9.1E-08	2.0E-08	4.8E-07
559	UCART1	571390.6	4178358.99	571390.55, 4178358.99	7.58E-04	4.36E-04	2.6E-07	7.9E-07	4.6E-07	2.6E-07	2.4E-07	1.1E-07	1.0E-08	1.5E-07	5.9E-08	8.7E-08	7.9E-08	1.7E-08	4.0E-07
560	UCART1	571430.6	4178358.99	571430.55, 4178358.99	6.13E-04	3.83E-04	2.1E-07	6.4E-07	4.0E-07	2.3E-07	2.1E-07	9.6E-08	8.3E-09	1.2E-07	5.2E-08	7.7E-08	6.9E-08	1.5E-08	3.4E-07
561	UCART1	571470.6	4178358.99	571470.55, 4178358.99	5.04E-04	3.37E-04	1.7E-07	5.3E-07	3.5E-07	2.0E-07	1.9E-07	8.4E-08	6.9E-09	9.7E-08	4.6E-08	6.7E-08	6.1E-08	1.3E-08	2.9E-07
562	UCART1	571510.6	4178358.99	571510.55, 4178358.99	4.22E-04	2.99E-04	1.5E-07	4.4E-07	3.1E-07	1.8E-07	1.6E-07	7.5E-08	5.7E-09	8.1E-08	4.1E-08	6.0E-08	5.4E-08	1.2E-08	2.5E-07
563	UCART1	571550.6	4178358.99	571550.55, 4178358.99	3.58E-04	2.65E-04	1.2E-07	3.7E-07	2.8E-07	1.6E-07	1.5E-07	6.6E-08	4.9E-09	6.9E-08	3.6E-08	5.3E-08	4.8E-08	1.0E-08	2.2E-07
564	UCART1	571590.6	4178358.99	571590.55, 4178358.99	3.07E-04	2.37E-04	1.1E-07	3.2E-07	2.5E-07	1.4E-07	1.3E-07	5.9E-08	4.2E-09	5.9E-08	3.2E-08	4.7E-08	4.3E-08	9.3E-09	1.9E-07
565	UCART1	571630.6	4178358.99	571630.55, 4178358.99	2.66E-04	2.12E-04	9.2E-08	2.8E-07	2.2E-07	1.3E-07	1.2E-07	5.3E-08	3.6E-09	5.1E-08	2.9E-08	4.2E-08	3.8E-08	8.4E-09	1.7E-07
566	UCART1	571670.6	4178358.99	571670.55, 4178358.99	2.33E-04	1.90E-04	8.1E-08	2.4E-07	2.0E-07	1.2E-07	1.0E-07	4.8E-08	3.2E-09	4.5E-08	2.6E-08	3.8E-08	3.4E-08	7.5E-09	1.5E-07
567	UCART1	571710.6	4178358.99	571710.55, 4178358.99	2.06E-04	1.71E-04	7.1E-08	2.2E-07	1.8E-07	1.0E-07	9.4E-08	4.3E-08	2.8E-09	4.0E-08	2.3E-08	3.4E-08	3.1E-08	6.8E-09	1.4E-07
568	UCART1	571750.6	4178358.99	571750.55, 4178358.99	1.83E-04	1.54E-04	6.3E-08	1.9E-07	1.6E-07	9.3E-08	8.4E-08	3.9E-08	2.5E-09	3.5E-08	2.1E-08	3.1E-08	2.8E-08	6.1E-09	1.2E-07
569	UCART1	571790.6	4178358.99	571790.55, 4178358.99	1.64E-04	1.39E-04	5.7E-08	1.7E-07	1.5E-07	8.4E-08	7.6E-08	3.5E-08	2.2E-09	3.2E-08	1.9E-08	2.8E-08	2.5E-08	5.5E-09	1.1E-07
570	UCART1	571830.6	4178358.99	571830.55, 4178358.99	1.48E-04	1.27E-04	5.1E-08	1.5E-07	1.3E-07	7.7E-08	6.9E-08	3.2E-08	2.0E-09	2.8E-08	1.7E-08	2.5E-08	2.3E-08	5.0E-09	1.0E-07
571	UCART1	571870.6	4178358.99	571870.55, 4178358.99	1.34E-04	1.15E-04	4.6E-08	1.4E-07	1.2E-07	7.0E-08	6.3E-08	2.9E-08	1.8E-09	2.6E-08	1.6E-08	2.3E-08	2.1E-08	4.5E-09	9.2E-08
572	UCART1	570230.6	4178398.99	570230.55, 4178398.99	3.60E-05	1.14E-05	1.2E-08	3.8E-08	1.2E-08	6.9E-09	6.2E-09	2.8E-09	4.9E-10	6.9E-09	1.6E-09	2.3E-09	2.1E-09	4.5E-10	1.4E-08
573	UCART1	570270.6	4178398.99	570270.55, 4178398.99	3.99E-05	1.29E-05	1.4E-08	4.2E-08	1.3E-08	7.8E-09	7.1E-09	3.2E-09	5.4E-10	7.7E-09	1.8E-09	2.6E-09	2.3E-09	5.1E-10	1.5E-08
574	UCART1	570310.6	4178398.99	570310.55, 4178398.99	4.48E-05	1.49E-05	1.6E-08	4.7E-08	1.6E-08	9.0E-09	8.2E-09	3.7E-09	6.1E-10	8.6E-09	2.0E-09	3.0E-09	2.7E-09	5.9E-10	1.8E-08
575	UCART1	570350.6	4178398.99	570350.55, 4178398.99	5.09E-05	1.72E-05	1.8E-08	5.3E-08	1.8E-08	1.0E-08	9.4E-09	4.3E-09	6.9E-10	9.8E-09	2.3E-09	3.4E-09	3.1E-09	6.8E-10	2.0E-08
576	UCART1	570390.6	4178398.99	570390.55, 4178398.99	5.81E-05	2.01E-05	2.0E-08	6.1E-08	2.1E-08	1.2E-08	1.1E-08	5.0E-09	7.9E-10	1.1E-08	2.7E-09	4.0E-09	3.6E-09	7.9E-10	2.3E-08
577	UCART1	570430.6	4178398.99	570430.55, 4178398.99	6.69E-05	2.36E-05	2.3E-08	7.0E-08	2.5E-08	1.4E-08	1.3E-08	5.9E-09	9.1E-10	1.3E-08	3.2E-09	4.7E-09	4.3E-09	9.3E-10	2.7E-08
578	UCART1	570470.6	4178398.99	570470.55, 4178398.99	7.82E-05	2.82E-05	2.7E-08	8.2E-08	2.9E-08	1.7E-08	1.5E-08	7.1E-09	1.1E-09	1.5E-08	3.8E-09	5.6E-09	5.1E-09	1.1E-09	3.2E-08
579	UCART1	570510.6	4178398.99	570510.55, 4178398.99	9.27E-05	3.39E-05	3.2E-08	9.7E-08	3.5E-08	2.1E-08	1.9E-08	8.5E-09	1.3E-09	1.8E-08	4.6E-09	6.8E-09	6.1E-09	1.3E-09	3.8E-08
580	UCART1	570550.6	4178398.99	570550.55, 4178398.99	1.12E-04	4.16E-05	3.9E-08	1.2E-07	4.4E-08	2.5E-08	2.3E-08	1.0E-08	1.5E-09	2.2E-08	5.7E-09	8.3E-09	7.5E-09	1.6E-09	4.6E-08
581	UCART1	570590.6	4178398.99	570590.55, 4178398.99	1.39E-04	5.29E-05	4.8E-08	1.5E-07	5.5E-08	3.2E-08	2.9E-08	1.3E-08	1.9E-09	2.7E-08	7.2E-09	1.1E-08	9.6E-09	2.1E-09	5.8E-08
582	UCART1	570630.6	4178398.99	570630.55, 4178398.99	1.77E-04	6.96E-05	6.1E-08	1.8E-07	7.3E-08	4.2E-08	3.8E-08	1.7E-08	2.4E-09	3.4E-08	9.5E-09	1.4E-08	1.3E-08	2.7E-09	7.5E-08
583	UCART1	570670.6	4178398.99	570670.55, 4178398.99	2.34E-04	9.59E-05	8.1E-08	2.4E-07	1.0E-07	5.8E-08	5.3E-08	2.4E-08	3.2E-09	4.5E-08	1.3E-08	1.9E-08	1.7E-08	3.8E-09	1.0E-07
584	UCART1	570710.6	4178398.99	570710.55, 4178398.99	3.25E-04	1.28E-04	1.1E-07	3.4E-07	1.3E-07	7.7E-08	7.0E-08	3.2E-08	4.4E-09	6.2E-08	1.7E-08	2.6E-08	2.3E-08	5.0E-09	1.4E-07
585	UCART1	570750.6	4178398.99	570750.55, 4178398.99	4.74E-04	1.78E-04	1.6E-07	5.0E-07	1.9E-07	1.1E-07	9.8E-08	4.5E-08	6.4E-09	9.1E-08	2.4E-08	3.6E-08	3.2E-08	7.0E-09	2.0E-07
586	UCART1	570790.6	4178398.99	570790.55, 4178398.99	7.23E-04	1.54E-04	2.5E-07	7.6E-07	1.6E-07	9.3E-08	8.5E-08	3.9E-08	9.8E-09	1.4E-07	2.1E-08	3.1E-08	2.8E-08	6.1E-09	2.3E-07
587	UCART1	570830.6	4178398.99	570830.55, 4178398.99	1.39E-03	1.52E-04	4.8E-07	1.4E-06	1.6E-07	9.2E-08	8.3E-08	3.8E-08	1.9E-08	2.7E-07	2.1E-08	3.0E-08	2.7E-08	6.0E-09	3.7E-07
588	UCART1	571110.6	4178398.99	571110.55, 4178398.99	6.43E-03	1.29E-03	2.2E-06	6.7E-06	1.4E-06	7.8E-07	7.1E-07	3.2E-07	8.7E-08	1.2E-06	1.8E-07	2.6E-07	2.3E-07	5.1E-08	2.0E-06
589	UCART1	571150.6	4178398.99	571150.55, 4178398.99	4.11E-03	1.30E-03	1.4E-06	4.3E-06	1.4E-06	7.8E-07	7.1E-07	3.2E-07	5.6E-08	7.9E-07	1.8E-07	2.6E-07	2.3E-07	5.1E-08	1.6E-06
590	UCART1	571190.6	4178398.99	571190.55, 4178398.99	2.80E-03	1.27E-03	9.7E-07	2.9E-06	1.3E-06	7.7E-07	7.0E-07	3.2E-07	3.8E-08	5.4E-07	1.7E-07	2.5E-07	2.3E-07	5.0E-08	1.3E-06
591	UCART1	571230.6	4178398.99	571230.55, 4178398.99	2.00E-03	1.36E-03	6.9E-07	2.1E-06	1.4E-06	8.2E-07	7.4E-07	3.4E-07	2.7E-08	3.8E-07	1.9E-07	2.7E-07	2.5E-07	5.4E-08	1.2E-06
592	UCART1	571270.6	4178398.99	571270.55, 4178398.99	1.48E-03	7.68E-04	5.1E-07	1.6E-06	8.0E-07	4.6E-07	4.2E-07	1.9E-07	2.0E-08	2.9E-07	1.0E-07	1.5E-07	1.4E-07	3.0E-08	7.3E-07
593	UCART1	571310.6	4178398.99	571310.55, 4178398.99	1.14E-03	5.89E-04	3.9E-07	1.2E-06	6.2E-07	3.6E-07	3.2E-07	1.5E-07	1.5E-08	2.2E-07	8.0E-08	1.2E-07	1.1E-07	2.3E-08	5.6E-07
594	UCART1	571350.6	4178398.99	571350.55, 4178398.99	8.99E-04	5.12E-04	3.1E-07	9.4E-07	5.3E-07	3.1E-07	2.8E-07	1.3E-07	1.2E-08	1.7E-07	7.0E-08	1.0E-07	9.3E-08	2.0E-08	4.7E-07
595	UCART1	571390.6	4178398.99	571390.55, 4178398.99	7.25E-04	4.48E-04	2.5E-07	7.6E-07	4.7E-07	2.7E-07	2.5E-07	1.1E-07	9.9E-09	1.4E-07	6.1E-08	8.9E-08	8.1E-08	1.8E-08	4.0E-07
596	UCART1	571430.6	4178398.99	571430.55, 4178398.99	5.95E-04	3.95E-04	2.1E-07	6.2E-07	4.1E-07	2.4E-07	2.2E-07	9.9E-08	8.1E-09	1.1E-07	5.4E-08	7.9E-08	7.1E-08	1.6E-08	3.4E-07
597	UCART1	571470.6	4178398.99	571470.55, 4178398.99	4.96E-04	3.49E-04	1.7E-07	5.2E-07	3.6E-07	2.1E-07	1.9E-07	8.7E-08	6.7E-09	9.5E-08	4.8E-08	7.0E-08	6.3E-08	1.4E-08	3.0E-07
598	UCART1	571510.6	4178398.99	571510.55, 4178398.99	4.19E-04	3.10E-04	1.5E-07	4.4E-07	3.2E-07	1.9E-07	1.7E-07	7.8E-08	5.7E-09	8.1E-08	4.2E-08	6.2E-08	5.6E-08	1.2E-08	2.6E-07
599	UCART1	571550.6	4178398.99	571550.55, 4178398.99	3.58E-04	2.77E-04	1.2E-07	3.7E-07	2.9E-07	1.7E-07	1.5E-07	6.9E-08	4.9E-09	6.9E-08	3.8E-08	5.5E-08	5.0E-08	1.1E-08	2.3E-07

OPERATIONAL RISK (UNMITIGATED)

600	UCART1	571590.6	4178398.99	571590.55, 4178398.99	3.08E-04	2.46E-04	1.1E-07	3.2E-07	2.6E-07	1.5E-07	1.3E-07	6.2E-08	4.2E-09	5.9E-08	3.4E-08	4.9E-08	4.5E-08	9.7E-09	2.0E-07
601	UCART1	571630.6	4178398.99	571630.55, 4178398.99	2.68E-04	2.20E-04	9.3E-08	2.8E-07	2.3E-07	1.3E-07	1.2E-07	5.5E-08	3.6E-09	5.1E-08	3.0E-08	4.4E-08	4.0E-08	8.7E-09	1.8E-07
602	UCART1	571670.6	4178398.99	571670.55, 4178398.99	2.36E-04	1.97E-04	8.2E-08	2.5E-07	2.1E-07	1.2E-07	1.1E-07	4.9E-08	3.2E-09	4.5E-08	2.7E-08	3.9E-08	3.6E-08	7.8E-09	1.6E-07
603	UCART1	571710.6	4178398.99	571710.55, 4178398.99	2.09E-04	1.78E-04	7.2E-08	2.2E-07	1.9E-07	1.1E-07	9.8E-08	4.5E-08	2.8E-09	4.0E-08	2.4E-08	3.6E-08	3.2E-08	7.0E-09	1.4E-07
604	UCART1	571750.6	4178398.99	571750.55, 4178398.99	1.86E-04	1.61E-04	6.4E-08	1.9E-07	1.7E-07	9.8E-08	8.8E-08	4.0E-08	2.5E-09	3.6E-08	2.2E-08	3.2E-08	2.9E-08	6.4E-09	1.3E-07
605	UCART1	571790.6	4178398.99	571790.55, 4178398.99	1.66E-04	1.47E-04	5.8E-08	1.7E-07	1.5E-07	8.9E-08	8.0E-08	3.7E-08	2.3E-09	3.2E-08	2.0E-08	2.9E-08	2.7E-08	5.8E-09	1.2E-07
606	UCART1	571830.6	4178398.99	571830.55, 4178398.99	1.50E-04	1.33E-04	5.2E-08	1.6E-07	1.4E-07	8.1E-08	7.3E-08	3.3E-08	2.0E-09	2.9E-08	1.8E-08	2.7E-08	2.4E-08	5.3E-09	1.0E-07
607	UCART1	571870.6	4178398.99	571870.55, 4178398.99	1.36E-04	1.22E-04	4.7E-08	1.4E-07	1.3E-07	7.4E-08	6.7E-08	3.0E-08	1.8E-09	2.6E-08	1.7E-08	2.4E-08	2.2E-08	4.8E-09	9.6E-08
608	UCART1	570230.6	4178438.99	570230.55, 4178438.99	3.63E-05	1.09E-05	1.3E-08	3.8E-08	1.1E-08	6.6E-09	6.0E-09	2.7E-09	4.9E-10	7.0E-09	1.5E-09	2.2E-09	2.0E-09	4.3E-10	1.4E-08
609	UCART1	570270.6	4178438.99	570270.55, 4178438.99	4.02E-05	1.24E-05	1.4E-08	4.2E-08	1.3E-08	7.5E-09	6.8E-09	3.1E-09	5.5E-10	7.7E-09	1.7E-09	2.5E-09	2.2E-09	4.9E-10	1.5E-08
610	UCART1	570310.6	4178438.99	570310.55, 4178438.99	4.50E-05	1.41E-05	1.6E-08	4.7E-08	1.5E-08	8.6E-09	7.8E-09	3.5E-09	6.1E-10	8.7E-09	1.9E-09	2.8E-09	2.6E-09	5.6E-10	1.7E-08
611	UCART1	570350.6	4178438.99	570350.55, 4178438.99	5.13E-05	1.67E-05	1.8E-08	5.4E-08	1.7E-08	1.0E-08	9.2E-09	4.2E-09	7.0E-10	9.9E-09	2.3E-09	3.3E-09	3.0E-09	6.6E-10	2.0E-08
612	UCART1	570390.6	4178438.99	570390.55, 4178438.99	5.86E-05	1.94E-05	2.0E-08	6.1E-08	2.0E-08	1.2E-08	1.1E-08	4.8E-09	8.0E-10	1.1E-08	2.6E-09	3.9E-09	3.5E-09	7.6E-10	2.3E-08
613	UCART1	570430.6	4178438.99	570430.55, 4178438.99	6.80E-05	2.26E-05	2.4E-08	7.1E-08	2.4E-08	1.4E-08	1.2E-08	5.7E-09	9.2E-10	1.3E-08	3.1E-09	4.5E-09	4.1E-09	8.9E-10	2.7E-08
614	UCART1	570470.6	4178438.99	570470.55, 4178438.99	7.95E-05	2.67E-05	2.8E-08	8.3E-08	2.8E-08	1.6E-08	1.5E-08	6.7E-09	1.1E-09	1.5E-08	3.6E-09	5.3E-09	4.8E-09	1.1E-09	3.1E-08
615	UCART1	570510.6	4178438.99	570510.55, 4178438.99	9.46E-05	3.19E-05	3.3E-08	9.9E-08	3.3E-08	1.9E-08	1.8E-08	8.0E-09	1.3E-09	1.8E-08	4.4E-09	6.4E-09	5.8E-09	1.3E-09	3.7E-08
616	UCART1	570550.6	4178438.99	570550.55, 4178438.99	1.15E-04	3.86E-05	4.0E-08	1.2E-07	4.0E-08	2.3E-08	2.1E-08	9.7E-09	1.6E-09	2.2E-08	5.3E-09	7.7E-09	7.0E-09	1.5E-09	4.5E-08
617	UCART1	570590.6	4178438.99	570590.55, 4178438.99	1.43E-04	4.76E-05	4.9E-08	1.5E-07	5.0E-08	2.9E-08	2.6E-08	1.2E-08	1.9E-09	2.7E-08	6.5E-09	9.5E-09	8.6E-09	1.9E-09	5.6E-08
618	UCART1	570630.6	4178438.99	570630.55, 4178438.99	1.83E-04	5.99E-05	6.3E-08	1.9E-07	6.3E-08	3.6E-08	3.3E-08	1.5E-08	2.5E-09	3.5E-08	8.2E-09	1.2E-08	1.1E-08	2.4E-09	7.1E-08
619	UCART1	570670.6	4178438.99	570670.55, 4178438.99	2.45E-04	7.83E-05	8.5E-08	2.6E-07	8.2E-08	4.7E-08	4.3E-08	2.0E-08	3.3E-09	4.7E-08	1.1E-08	1.6E-08	1.4E-08	3.1E-09	9.4E-08
620	UCART1	570710.6	4178438.99	570710.55, 4178438.99	3.48E-04	1.09E-04	1.2E-07	3.6E-07	1.1E-07	6.6E-08	6.0E-08	2.7E-08	4.7E-09	6.7E-08	1.5E-08	2.2E-08	2.0E-08	4.3E-09	1.3E-07
621	UCART1	570750.6	4178438.99	570750.55, 4178438.99	5.33E-04	1.74E-04	1.8E-07	5.6E-07	1.8E-07	1.1E-07	9.5E-08	4.4E-08	7.3E-09	1.0E-07	2.4E-08	3.5E-08	3.1E-08	6.9E-09	2.1E-07
622	UCART1	570790.6	4178438.99	570790.55, 4178438.99	9.50E-04	2.15E-04	3.3E-07	9.9E-07	2.2E-07	1.3E-07	1.2E-07	5.4E-08	1.3E-08	1.8E-07	2.9E-08	4.3E-08	3.9E-08	8.5E-09	3.2E-07
623	UCART1	571070.6	4178438.99	571070.55, 4178438.99	5.92E-03	1.36E-03	2.0E-06	6.2E-06	1.4E-06	8.2E-07	7.4E-07	3.4E-07	8.0E-08	1.1E-06	1.9E-07	2.7E-07	2.5E-07	5.4E-08	2.0E-06
624	UCART1	571110.6	4178438.99	571110.55, 4178438.99	4.54E-03	1.35E-03	1.6E-06	4.7E-06	1.4E-06	8.2E-07	7.4E-07	3.4E-07	6.2E-08	8.7E-07	1.8E-07	2.7E-07	2.4E-07	5.3E-08	1.7E-06
625	UCART1	571150.6	4178438.99	571150.55, 4178438.99	3.03E-03	1.35E-03	1.0E-06	3.2E-06	1.4E-06	8.2E-07	7.4E-07	3.4E-07	4.1E-08	5.8E-07	1.8E-07	2.7E-07	2.4E-07	5.3E-08	1.4E-06
626	UCART1	571190.6	4178438.99	571190.55, 4178438.99	2.16E-03	1.35E-03	7.5E-07	2.3E-06	1.4E-06	8.2E-07	7.4E-07	3.4E-07	2.9E-08	4.1E-07	1.8E-07	2.7E-07	2.4E-07	5.3E-08	1.2E-06
627	UCART1	571230.6	4178438.99	571230.55, 4178438.99	1.62E-03	1.33E-03	5.6E-07	1.7E-06	1.4E-06	8.0E-07	7.3E-07	3.3E-07	2.2E-08	3.1E-07	1.8E-07	2.6E-07	2.4E-07	5.2E-08	1.1E-06
628	UCART1	571270.6	4178438.99	571270.55, 4178438.99	1.26E-03	7.67E-04	4.3E-07	1.3E-06	8.0E-07	4.6E-07	4.2E-07	1.9E-07	1.7E-08	2.4E-07	1.0E-07	1.5E-07	1.4E-07	3.0E-08	6.9E-07
629	UCART1	571310.6	4178438.99	571310.55, 4178438.99	9.96E-04	6.14E-04	3.4E-07	1.0E-06	6.4E-07	3.7E-07	3.4E-07	1.5E-07	1.4E-08	1.9E-07	8.4E-08	1.2E-07	1.1E-07	2.4E-08	5.5E-07
630	UCART1	571350.6	4178438.99	571350.55, 4178438.99	8.07E-04	5.37E-04	2.8E-07	8.4E-07	5.6E-07	3.2E-07	2.9E-07	1.3E-07	1.1E-08	1.6E-07	7.3E-08	1.1E-07	9.7E-08	2.1E-08	4.6E-07
631	UCART1	571390.6	4178438.99	571390.55, 4178438.99	6.65E-04	4.71E-04	2.3E-07	7.0E-07	4.9E-07	2.8E-07	2.6E-07	1.2E-07	9.0E-09	1.3E-07	6.4E-08	9.4E-08	8.5E-08	1.9E-08	4.0E-07
632	UCART1	571430.6	4178438.99	571430.55, 4178438.99	5.55E-04	4.13E-04	1.9E-07	5.8E-07	4.3E-07	2.5E-07	2.3E-07	1.0E-07	7.6E-09	1.1E-07	5.6E-08	8.3E-08	7.5E-08	1.6E-08	3.4E-07
633	UCART1	571470.6	4178438.99	571470.55, 4178438.99	4.69E-04	3.66E-04	1.6E-07	4.9E-07	3.8E-07	2.2E-07	2.0E-07	9.2E-08	6.4E-09	9.0E-08	5.0E-08	7.3E-08	6.6E-08	1.4E-08	3.0E-07
634	UCART1	571510.6	4178438.99	571510.55, 4178438.99	4.01E-04	3.24E-04	1.4E-07	4.2E-07	3.4E-07	2.0E-07	1.8E-07	8.1E-08	5.5E-09	7.7E-08	4.4E-08	6.5E-08	5.9E-08	1.3E-08	2.6E-07
635	UCART1	571550.6	4178438.99	571550.55, 4178438.99	3.46E-04	2.90E-04	1.2E-07	3.6E-07	3.0E-07	1.8E-07	1.6E-07	7.3E-08	4.7E-09	6.7E-08	4.0E-08	5.8E-08	5.2E-08	1.1E-08	2.3E-07
636	UCART1	571590.6	4178438.99	571590.55, 4178438.99	3.00E-04	2.59E-04	1.0E-07	3.1E-07	2.7E-07	1.6E-07	1.4E-07	6.5E-08	4.1E-09	5.8E-08	3.5E-08	5.2E-08	4.7E-08	1.0E-08	2.1E-07
637	UCART1	571630.6	4178438.99	571630.55, 4178438.99	2.62E-04	2.33E-04	9.1E-08	2.7E-07	2.4E-07	1.4E-07	1.3E-07	5.8E-08	3.6E-09	5.0E-08	3.2E-08	4.6E-08	4.2E-08	9.2E-09	1.8E-07
638	UCART1	571670.6	4178438.99	571670.55, 4178438.99	2.32E-04	2.10E-04	8.0E-08	2.4E-07	2.2E-07	1.3E-07	1.2E-07	5.3E-08	3.2E-09	4.5E-08	2.9E-08	4.2E-08	3.8E-08	8.3E-09	1.6E-07
639	UCART1	571710.6	4178438.99	571710.55, 4178438.99	2.06E-04	1.89E-04	7.1E-08	2.2E-07	2.0E-07	1.1E-07	1.0E-07	4.7E-08	2.8E-09	4.0E-08	2.6E-08	3.8E-08	3.4E-08	7.5E-09	1.5E-07
640	UCART1	571750.6	4178438.99	571750.55, 4178438.99	1.84E-04	1.71E-04	6.4E-08	1.9E-07	1.8E-07	1.0E-07	9.4E-08	4.3E-08	2.5E-09	3.5E-08	2.3E-08	3.4E-08	3.1E-08	6.8E-09	1.3E-07
641	UCART1	571790.6	4178438.99	571790.55, 4178438.99	1.65E-04	1.55E-04	5.7E-08	1.7E-07	1.6E-07	9.4E-08	8.5E-08	3.9E-08	2.2E-09	3.2E-08	2.1E-08	3.1E-08	2.8E-08	6.1E-09	1.2E-07
642	UCART1	571830.6	4178438.99	571830.55, 4178438.99	1.49E-04	1.41E-04	5.2E-08	1.6E-07	1.5E-07	8.5E-08	7.7E-08	3.5E-08	2.0E-09	2.9E-08	1.9E-08	2.8E-08	2.6E-08	5.6E-09	1.1E-07
643	UCART1	571870.6	4178438.99	571870.55, 4178438.99	1.36E-04	1.29E-04	4.7E-08	1.4E-07	1.3E-07	7.8E-08	7.1E-08	3.2E-08	1.8E-09	2.6E-08	1.8E-08	2.6E-08	2.3E-08	5.1E-09	1.0E-07
644	UCART1	570230.6	4178478.99	570230.55, 4178478.99	3.66E-05	1.06E-05	1.3E-08	3.8E-08	1.1E-08	6.4E-09	5.8E-09	2.6E-09	5.0E-10	7.0E-09	1.4E-09	2.1E-09	1.9E-09	4.2E-10	1.3E-08
645	UCART1	570270.6	4178478.99	570270.55, 4178478.99	4.13E-05	1.21E-05	1.4E-08	4.3E-08	1.3E-08	7.3E-09	6.6E-09	3.0E-09	5.6E-10	7.9E-09	1.6E-09	2.4E-09	2.2E-09	4.8E-10	1.5E-08
646	UCART1	570310.6	4178478.99	570310.55, 4178478.99	4.55E-05	1.39E-05	1.6E-08	4.8E-08	1.4E-08	8.4E-09	7.6E-09	3.5E-09	6.2E-10	8.7E-09	1.9E-09	2.8E-09	2.5E-09	5.5E-10	1.7E-08
647	UCART1	570350.6	4178478.99	570350.55, 4178478.99	5.21E-05	1.62E-05	1.8E-08	5.4E-08	1.7E-08	9.8E-09	8.9E-09	4.1E-09	7.1E-10	1.0E-08	2.2E-09	3.2E-09	2.9E-09	6.4E-10	2.0E-08
648	UCART1	570390.6	4178478.99	570390.55, 4178478.99	5.96E-05	1.86E-05	2.1E-08	6.2E-08	1.9E-08	1.1E-08	1.0E-08	4.6E-09	8.1E-10	1.1E-08	2.5E-09	3.7E-09	3.4E-09	7.3E-10	2.3E-08
649	UCART1	570430.6	4178478.99	570430.55, 4178478.99	6.85E-05	2.12E-05	2.4E-08	7.2E-08	2.2E-08	1.3E-08	1.2E-08	5.3E-09	9.3E-10	1.3E-08	2.9E-09	4.2E-09	3.8E-09	8.4E-10	2.6E-08
650	UCART1	570470.6	4178478.99	570470.55, 4178478.99	8.02E-05	2.48E-05	2.8E-08	8.4E-08	2.6E-08	1.5E-08	1.4E-08	6.2E-09	1.1E-09	1.5E-08	3.4E-09	5.0E-09	4.5E-09	9.8E-10	3.0E-08
651	UCART1	570510.6	4178478.99	570510.55, 4178478.99	9.60E-05	2.98E-05	3.3E-08	1.0E-07	3.1E-08	1.8E-08	1.6E-08	7.5E-09	1.3E-09	1.8E-08	4.1E-09	6.0E-09	5.4E-09	1.2E-09	3.6E-08
652	UCART1	570550.6	4178478.99	570550.55, 4178478.99	1.17E-04	3.63E-05	4.1E-08	1.2E-07	3.8E-08	2.2E-08	2.0E-08	9.1E-09	1.6E-09	2.3E-08	4.9E-09	7.2E-09	6.6E-09	1.4E-09	4.4E-08
653	UCART1	570590.6	4178478.99	570590.55, 4178478.99	1.46E-04	4.41E-05	5.1E-08	1.5E-07	4.6E-08	2.7E-08	2.4E-08	1.1E-08	2.0E-09	2.8E-08	6.0E-09	8.8E-09	8.0E-09	1.7E-09	5.5E-08
654	UCART1	570630.6	4178478.99	570630.55, 4178478.99	1.88E-04	5.38E-05	6.5E-08	2.0E-07	5.6E-08	3.3E-08	3.0E-08	1.3E-08	2.6E-09	3.6E-08	7.3E-09	1.1E-08	9.7E-09	2.1E-09	6.9E-08
655	UCART1	570670.6	4178478.99	570670.55, 4178478.99	2.53E-04	6.64E-05	8.8E-08	2.6E-07	6.9E-08	4.0E-08	3.6E-08	1.7E-08	3.4E-09	4.9E-08	9.1E-09	1.3E-08	1.2E-08	2.6E-09	8.9E-08
656	UCART1	570710.6	4178478.99	570710.55, 4178478.99	3.63E-04	8.53E-05	1.3E-07	3.8E-07	8.9E-08	5.2E-08	4.7E-08	2.1E-08	4.9E-09	7.0E-08	1.2E-08	1.7E-08	1.5E-08	3.4E-09	1.2E-07
657	UCART1	570750.6	4178478.99	570750.55, 4178478.99	5.83E-04	1.11E-04	2.0E-07	6.1E-07	1.2E-07	6.7E-08	6.1E-08	2.8E-08	7.9E-09	1.1E-07	1.5E-08	2.2E-08	2.0E-08	4.4E-09	1.8E-07
658	UCART1	570790.6	4178478.99	570790.55, 4178478.99	1.18E-03	1.26E-04	4.1E-07	1.2E-06	1.3E-07	7.6E-08	6.9E-08	3.1E-08	1.6E-08	2.3E-07	1.7E-08	2.5E-08	2.3E-08	5.0E-09	3.1E-07
659	UCART1	571030.6	4178478.99	571030.55, 4178478.99	6.23E-03	1.33E-03	2.2E-06	6.5E-06	1.4E-06	8.0E-07	7.3E-07	3.3E-07	8.5E-08	1.2E-06	1.8E-07	2.7E-07	2.4E-07	5.3E-08	2.0E-06
660	UCART1	571070.6	4178478.99	571070.55, 4178478.99	4.38E-03	1.43E-03	1.5E-06	4.6E-06	1.5E-06	8.6E-07	7.8E-07	3.6E-07	6.0E-08	8.4E-07	1.9E-07	2.8E-07	2.6E-07	5.6E-08	1.7E-06
661	UCART1	571110.6	4178478.99	571110.55, 4178478.99	2.99E-03	1.34E-03	1.0E-06	3.1E-06	1.4E-06	8.1E-07	7.4E-07	3.4E-07	4.1E-08	5.8E-07	1.8E-07	2.7E-07	2.4E-07	5.3E-08	1.4E-06
662	UCART1	571150.6	4178478.99	571150.55, 4178478.99	2.18E-03	1.33E-03	7.5E-07	2.3E-06	1.4E-06	8.0E-07	7.3E-07	3.3E-07	3.0E-08	4.2E-07	1.8E-07	2.7E-07	2.4E-07	5.2E-08	1.2E-06
663	UCART1	571190.6	4178478.99	571190.55, 4178478.99	1.65E-03	1.72E-03	5.7E-07	1.7E-06	1.8E-06	1.0E-06	9.4E-07	4.3E-07	2.2E-08	3.2E-07	2.3E-07	3.4E-07	3.1E-07	6.8E-08	1.3E-06
664	UCART1	571230.6	4178478.99	571230.55, 4178478.99	1.30E-03	1.25E-03	4.5E-07	1.4E-06	1.3E-06	7.6E-07	6.9E-07	3.1E-07	1.8E-08	2.5E-07	1.7E-07	2.5E-07	2.3E-07	4.9E-08	9.6E-07
665	UCART1	571270.6	4178478.99	571270.55, 4178478.99	1.04E-03	7.73E-04	3.6E-07	1.1E-06	8.1E-07	4.7E-07	4.2E-07	1.9E-07	1.4E-08	2.0E-07	1.1E-07	1.5E-07	1.4E-07	3.1E-08	6.4E-07
666	UCART1	571310.6	4178478.99	571310.55, 4178478.99	8.53E-04	6.47E-04	3.0E-07	8.9E-07	6.8E-07	3.9E-07	3.5E-07	1.6E-07	1.2E-08	1.6E-07	8.8E-08	1.3E-07	1.2E-07	2.6E-08	5.4E-07
667	UCART1	571350.6	4178478.99	571350.55, 4178478.99	7.06E-04	5.64E-04	2.4E-07	7.4E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	9.6E-09	1.4E-07	7.7E-08	1.1E-07	1.0E-07	2.2E-08	4.6E-07
668	UCART1	571390.6	4178478.99	571390.55, 4178478.99	5.93E-04	4.95E-04	2.1E-07	6.2E-07	5.2E-07	3.0E-07	2.7E-07	1.2E-07	8.1E-09	1.1E-07	6.7E-08	9.9E-08	9.0E-08	2.0E-08	4.0E-07
669	UCART1	571430.6	4178478.99	571430.55, 4178478.99	5.03E-04	4.37E-04	1.7E-07	5.3E-07	4.6E-07	2.6E-07	2.4E-07	1.1E-07	6.8E-09	9.7E-08	6.0E-08	8.7E-08	7.9E-08	1.7E-08	3.5E-07
670	UCART1	571470.6	4178478.99	571470.55, 4178478.99	4.31E-04	3.87E-04	1.5E-07	4.5E-07	4.0E-07	2.3E-07	2.1E-07	9.7E-08	5.9E-09	8.3E-08	5.3E-08	7.7E-08	7.0E-08	1.5E-08	3.0E-07
671	UCART1	571510.6	4178478.99	571510.55, 4178478.99	3.73E-04	3.44E-04	1.3E-07	3.9E-07	3.6E-07	2.1E-07	1.9E-07	8.6E-08	5.1E-09	7.2E-08	4.7E-08	6.9E-08	6.2E-08	1.4E-08	2.7E-07
672	UCART1	571550.6	4178478.99	571550.55, 4178478.99	3.25E-04	3.06E-04	1.1E-07	3.4E-07	3.2E-07	1.9E-07	1.7E-07	7.7E-08	4.4E-09	6.2E-08	4.2E-08	6.1E-08	5.5E-08	1.2E-08	2.4E-07
673	UCART1	571590.6	4178478.99	571590.55, 4178478.99	2.85E-04	2.74E-04	9.9E-08	3.0E-07	2.9E-07	1.7E-07	1.5E-07	6.9E-08	3.9E-09	5.5E-08	3.7E-08	5.5E-08	5.0E-08	1.1E-08	2.1E-07
674	UCART1	571630.6	4178478.99	571630.55, 4178478.99	2.51E-04	2.46E-04	8.7E-08	2.6E-07	2.6E-07	1.5E-07	1.3E-07	6.1E-08	3.4E-09	4.8E-08	3.3E-08	4.9E-08	4.4E-08	9.7E-09	1.9E-07
675	UCART1	571670.6	4178478.99	571670.55, 4178478.99	2.23E-04	2.21E-04	7.7E-08	2.3E-07	2.3E-07	1.3E-07	1.2E-07	5.5E-08	3.0E-09	4.3E-08	3.0E-08	4.4E-08	4.0E-08	8.7E-09	1.7E-07
676	UCART1	571710.6	4178478.99	571710.55, 4178478.99	2.00E-04	1.99E-04	6.9E-08	2.1E-07	2.1E-07	1.2E-07	1.1E-07	5.0E-08	2.7E-09	3.8E-08	2.7E-08	4.0E-08	3.6E-08	7.9E-09	1.5E-07
677	UCART1	571750.6	4178478.99	571750.55, 4178478.99	1.79E-04	1.79E-04	6.2E-08	1.9E-07	1.9E-07	1.1E-07	9.8E-08	4.5E-08	2.4E-09	3.4E-08	2.4E-08	3.6E-08	3.2E-08	7.1E-09	1.4E-07
678	UCART1	571790.6	4178478.99	571790.55, 4178478.99	1.62E-04	1.63E-04	5.6E-08	1.7E-07	1.7E-07	9.8E-08	8.9E-08	4.1E-08	2.2E-09	3.1E-08	2.2E-08	3.2E-08	2.9E-08	6.4E-09	1.2E-07
679	UCART1	571830.6	4178478.99	571830.55, 4178478.99	1.47E-04	1.48E-04	5.1E-08	1.5E-07	1.5E-07	9.0E-08	8.1E-08	3.7E-08	2.0E-09	2.8E-08	2.0E-08	3.0E-08	2.7E-08	5.8E-09	1.1E-07
680	UCART1	571870.6	4178478.99	571870.55, 4178478.99	1.33E-04	1.35E-04	4.6E-08	1.4E-07	1.4E-07	8.2E-08	7.4E-08	3.4E-08	1.8E-09	2.6E-08	1.8E-08	2.7E-08	2.4E-08	5.3E-09	1.0E-07
681	UCART1	570230.6	4178518.99	570230.55, 4178518.99	3.73E-05	1.08E-05	1.3E-08	3.9E-08	1.1E-08	6.5E-09	5.9E-09	2.7E-09	5.1E-10	7.2E-09	1.5E-09	2.2E-09	2.0E-09	4.3E-10	1.4E-08
682	UCART1	570270.6	4178518.99	570270.55, 4178518.99	4.14E-05	1.23E-05	1.4E-08	4.3E-08	1.3E-08	7.4E-09	6.7E-09	3.1E-09	5.6E-10	8.0E-09	1.7E-09	2.5E-09	2.2E-09	4.9E-10	1.5E-08
683	UCART1	570310.6	4178518.99	570310.55, 4178518.99	4.64E-05	1.41E-05	1.6E-08	4.9E-08	1.5E-08	8.5E-09	7.7E-09	3.5E-09	6.3E-10	8.9E-09	1.9E-09	2.8E-09	2.5E-09	5.6E-10	1.7E-08
684	UCART1	570350.6	4178518.99	570350.55, 4178518.99	5.26E-05	1.58E-05	1.8E-08	5.5E-08	1.7E-08	9.6E-09	8.7E-09	4.0E-09	7.2E-10	1.0E-08	2.2E-09	3.2E-09	2.9E-09	6.3E-10	2.0E-08
685	UCART1	570390.6	4178518.99	570390.55, 4178518.99	5.94E-05	1.76E-05	2.1E-08	6.2E-08	1.8E-08	1.1E-08	9.7E-09	4.4E-09	8.1E-10	1.1E-08	2.4E-09	3.5E-09	3.2E-09	7.0E-10	2.2E-08
686	UCART1	570430.6	4178518.99	570430.55, 4178518.99	6.84E-05	2.03E-05	2.4E-08	7.2E-08	2.1E-08	1.2E-08	1.1E-08	5.1E-09	9.3E-10	1.3E-08	2.8E-09	4.1E-09	3.7E-09	8.0E-10	2.5E-08
687	UCART1	570470.6	4178518.99	570470.55, 4178518.99	8.02E-05	2.38E-05	2.8E-08	8.4E-08	2.5E-08	1.4E-08	1.3E-08	6.0E-09	1.1E-09	1.5E-08	3.3E-09	4.8E-09	4.3E-09	9.4E-10	3.0E-08
688	UCART1	570510.6	4178518.99	570510.55, 4178518.99	9.66E-05	2.86E-05	3.3E-08	1.0E-07	3.0E-08	1.7E-08	1.6E-08	7.2E-09	1.3E-09	1.9E-08	3.9E-09	5.7E-09	5.2E-09	1.1E-09	3.6E-08
689	UCART1	570550.6	4178518.99	570550.55, 4178518.99	1.19E-04	3.57E-05	4.1E-08	1.2E-07	3.7E-08	2.2E-08	2.0E-08	8.9E-09	1.6E-09	2.3E-08	4.9E-09	7.1E-09	6.5E-09	1.4E-09	4.4E-08
690	UCART1	570590.6	4178518.99	570590.55, 4178518.99	1.49E-04	4.29E-05	5.1E-08	1.6E-07	4.5E-08	2.6E-08	2.4E-08	1.1E-08	2.0E-09	2.9E-08	5.8E-09	8.6E-09	7.8E-09	1.7E-09	5.4E-08
691	UCART1	570630.6	4178518.99	570630.55, 4178518.99	1.91E-04	5.13E-05	6.6E-08	2.0E-07	5.4E-08	3.1E-08	2.8E-08	1.3E-08	2.6E-09	3.7E-08	7.0E-09	1.0E-08	9.3E-09	2.0E-09	6.8E-08
692	UCART1	570670.6	4178518.99	570670.55, 4178518.99	2.57E-04	6.12E-05	8.9E-08	2.7E-07	6.4E-08	3.7E-08	3.4E-08	1.5E-08	3.5E-09	4.9E-08	8.3E-09	1.2E-08	1.1E-08	2.4E-09	8.7E-08
693	UCART1	570710.6	4178518.99	570710.55, 4178518.99	3.68E-04	7.33E-05	1.3E-07	3.8E-07	7.7E-08	4.4E-08	4.0E-08	1.8E-08	5.0E-09	7.1E-08	1.0E-08	1.5E-08	1.3E-08	2.9E-09	1.2E-07
694	UCART1	570750.6	4178518.99	570750.55, 4178518.99	5.79E-04	8.03E-05	2.0E-07	6.1E-07	8.4E-08	4.9E-08	4.4E-08	2.0E-08	7.9E-09	1.1E-07	1.1E-08	1.6E-08	1.5E-08	3.2E-09	1.6E-07
695	UCART1	570790.6	4178518.99	570790.55, 4178518.99	1.01E-03	9.73E-05	3.5E-07	1.1E-06	1.0E-07	5.9E-08	5.3E-08	2.4E-08	1.4E-08	1.9E-07	1.3E-08	1.9E-08	1.8E-08	3.8E-09	2.6E-07
696	UCART1	570990.6	4178518.99	570990.55, 4178518.99	6.30E-03	1.19E-03	2.2E-06	6.6E-06	1.2E-06	7.2E-07	6.5E-07	3.0E-07	8.6E-08	1.2E-06	1.6E-07	2.4E-07	2.2E-07	4.7E-08	2.0E-06
697	UCART1	571030.6	4178518.99	571030.55, 4178518.99	4.03E-03	1.26E-03	1.4E-06	4.2E-06	1.3E-06	7.6E-07	6.9E-07	3.1E-07	5.5E-08	7.7E-07	1.7E-07	2.5E-07	2.3E-07	5.0E-08	1.5E-06
698	UCART1	571070.6	4178518.99	571070.55, 4178518.99	2.84E-03	1.37E-03	9.8E-07	3.0E-06	1.4E-06	8.3E-07	7.5E-07	3.4E-07	3.9E-08	5.5E-07	1.9E-07	2.7E-07	2.5E-07	5.4E-08	1.3E-06
699	UCART1	571110.6	4178518.99	571110.55, 4178518.99	2.10E-03	1.39E-03	7.3E-07	2.2E-06	1.5E-06	8.4E-07	7.6E-07	3.5E-07	2.9E-08	4.0E-07	1.9E-07	2.8E-07	2.5E-07	5.5E-08	1.2E-06
700	UCART1	571150.6	4178518.99	571150.55, 4178518.99	1.61E-03	1.45E-03	5.6E-07	1.7E-06	1.5E-06	8.7E-07	7.9E-07	3.6E-07	2.2E-08	3.1E-07	2.0E-07	2.9E-07	2.6E-07	5.7E-08	1.1E-06
701	UCART1	571190.6	4178518.99	571190.55, 4178518.99	1.28E-03	1.68E-03	4.4E-07	1.3E-06	1.8E-06	1.0E-06	9.2E-07	4.2E-07	1.7E-08	2.5E-07	2.3E-07	3.4E-07	3.0E-07	6.6E-08	1.2E-06
702	UCART1	571230.6	4178518.99	571230.55, 4178518.99	1.03E-03	1.12E-03	3.6E-07	1.1E-06	1.2E-06	6.8E-07	6.1E-07	2.8E-07	1.4E-08	2.0E-07	1.5E-07	2.2E-07	2.0E-07	4.4E-08	8.3E-07
703	UCART1	571270.6	4178518.99	571270.55, 4178518.99	8.50E-04	7.83E-04	2.9E-07	8.9E-07	8.2E-07	4.7E-07	4.3E-07	2.0E-07	1.2E-08	1.6E-07	1.1E-07	1.6E-07	1.4E-07	3.1E-08	6.1E-07
704	UCART1	571310.6	4178518.99	571310.55, 4178518.99	7.15E-04	6.70E-04	2.5E-07	7.5E-07	7.0E-07	4.1E-07	3.7E-07	1.7E-07	9.7E-09	1.4E-07	9.1E-08	1.3E-07	1.2E-07	2.6E-08	5.2E-07
705	UCART1	571350.6	4178518.99	571350.55, 4178518.99	6.06E-04	5.85E-04	2.1E-07	6.3E-07	6.1E-07	3.5E-07	3.2E-07	1.5E-07	8.2E-09	1.2E-07	8.0E-08	1.2E-07	1.1E-07	2.3E-08	4.5E-07
706	UCART1	571390.6	4178518.99	571390.55, 4178518.99	5.18E-04	5.14E-04	1.8E-07	5.4E-07	5.4E-07	3.1E-07	2.8E-07	1.3E-07	7.0E-09	9.9E-08	7.0E-08	1.0E-07	9.3E-08	2.0E-08	3.9E-07
707	UCART1	571430.6	4178518.99	571430.55, 4178518.99	4.46E-04	4.52E-04	1.5E-07	4.7E-07	4.7E-07	2.7E-07	2.5E-07	1.1E-07	6.1E-09	8.6E-08	6.2E-08	9.0E-08	8.2E-08	1.8E-08	3.4E-07
708	UCART1	571470.6	4178518.99	571470.55, 4178518.99	3.87E-04	4.01E-04	1.3E-07	4.0E-07	4.2E-07	2.4E-07	2.2E-07	1.0E-07	5.3E-09	7.4E-08	5.5E-08	8.0E-08	7.3E-08	1.6E-08	3.0E-07
709	UCART1	571510.6	4178518.99	571510.55, 4178518.99	3.38E-04	3.56E-04	1.2E-07	3.5E-07	3.7E-07	2.2E-07	2.0E-07	8.9E-08	4.6E-09	6.5E-08	4.9E-08	7.1E-08	6.4E-08	1.4E-08	2.7E-07
710	UCART1	571550.6	4178518.99	571550.55, 4178518.99	2.98E-04	3.18E-04	1.0E-07	3.1E-07	3.3E-07	1.9E-07	1.7E-07	7.9E-08	4.0E-09	5.7E-08	4.3E-08	6.3E-08	5.7E-08	1.3E-08	2.4E-07
711	UCART1	571590.6	4178518.99	571590.55, 4178518.99	2.64E-04	2.84E-04	9.1E-08	2.8E-07	3.0E-07	1.7E-07	1.6E-07	7.1E-08	3.6E-09	5.1E-08	3.9E-08	5.7E-08	5.1E-08	1.1E-08	2.1E-07
712	UCART1	571630.6	4178518.99	571630.55, 4178518.99	2.35E-04	2.54E-04	8.1E-08	2.5E-07	2.6E-07	1.5E-07	1.4E-07	6.3E-08	3.2E-09	4.5E-08	3.5E-08	5.1E-08	4.6E-08	1.0E-08	1.9E-07
713	UCART1	571670.6	4178518.99	571670.55, 4178518.99	2.10E-04	2.28E-04	7.3E-08	2.2E-07	2.4E-07	1.4E-07	1.3E-07	5.7E-08	2.9E-09	4.0E-08	3.1E-08	4.6E-08	4.1E-08	9.0E-09	1.7E-07
714	UCART1	571710.6	4178518.99	571710.55, 4178518.99	1.89E-04	2.05E-04	6.5E-08	2.0E-07	2.1E-07	1.2E-07	1.1E-07	5.1E-08	2.6E-09	3.6E-08	2.8E-08	4.1E-08	3.7E-08	8.1E-09	1.5E-07
715	UCART1	571750.6	4178518.99	571750.55, 4178518.99	1.71E-04	1.86E-04	5.9E-08	1.8E-07	1.9E-07	1.1E-07	1.0E-07	4.6E-08	2.3E-09	3.3E-08	2.5E-08	3.7E-08	3.4E-08	7.3E-09	1.4E-07
716	UCART1	571790.6	4178518.99	571790.55, 4178518.99	1.55E-04	1.68E-04	5.4E-08	1.6E-07	1.8E-07	1.0E-07	9.2E-08	4.2E-08	2.1E-09	3.0E-08	2.3E-08	3.4E-08	3.0E-08	6.6E-09	1.3E-07
717	UCART1	571830.6	4178518.99	571830.55, 4178518.99	1.41E-04	1.53E-04	4.9E-08	1.5E-07	1.6E-07	9.3E-08	8.4E-08	3.8E-08	1.9E-09	2.7E-08	2.1E-08	3.1E-08	2.8E-08	6.0E-09	1.1E-07
718	UCART1	571870.6	4178518.99	571870.55, 4178518.99	1.29E-04	1.39E-04	4.5E-08	1.4E-07	1.5E-07	8.4E-08	7.6E-08	3.5E-08	1.8E-09	2.5E-08	1.9E-08	2.8E-08	2.5E-08	5.5E-09	1.0E-07
719	UCART1	570230.6	4178558.99	570230.55, 4178558.99	3.77E-05	1.08E-05	1.3E-08	3.9E-08	1.1E-08	6.5E-09	5.9E-09	2.7E-09	5.1E-10	7.3E-09	1.5E-09	2.1E-09	1.9E-09	4.2E-10	1.4E-08
720	UCART1	570270.6	4178558.99	570270.55, 4178558.99	4.21E-05	1.22E-05	1.5E-08	4.4E-08	1.3E-08	7.4E-09	6.7E-09	3.1E-09	5.7E-10	8.1E-09	1.7E-09	2.4E-09	2.2E-09	4.8E-10	1.5E-08
721	UCART1	570310.6	4178558.99	570310.55, 4178558.99	4.72E-05	1.40E-05	1.6E-08	4.9E-08	1.5E-08	8.5E-09	7.7E-09	3.5E-09	6.4E-10	9.1E-09	1.9E-09	2.8E-09	2.5E-09	5.5E-10	1.7E-08
722	UCART1	570350.6	4178558.99	570350.55, 4178558.99	5.29E-05	1.57E-05	1.8E-08	5.5E-08	1.6E-08	9.5E-09	8.6E-09	3.9E-09	7.2E-10	1.0E-08	2.1E-09	3.1E-09	2.8E-09	6.2E-10	2.0E-08
723	UCART1	570390.6	4178558.99	570390.55, 4178558.99	5.99E-05	1.78E-05	2.1E-08	6.3E-08	1.9E-08	1.1E-08	9.8E-09	4.5E-09	8.1E-10	1.2E-08	2.4E-09	3.6E-09	3.2E-09	7.0E-10	2.2E-08
724	UCART1	570430.6	4178558.99	570430.55, 4178558.99	6.92E-05	2.07E-05	2.4E-08	7.2E-08	2.2E-08	1.3E-08	1.1E-08	5.2E-09	9.4E-10	1.3E-08	2.8E-09	4.1E-09	3.7E-09	8.2E-10	2.6E-08
725	UCART1	570470.6	4178558.99	570470.55, 4178558.99	8.09E-05	2.42E-05	2.8E-08	8.5E-08	2.5E-08	1.5E-08	1.3E-08	6.1E-09	1.1E-09	1.6E-08	3.3E-09	4.8E-09	4.4E-09	9.6E-10	3.0E-08
726	UCART1	570510.6	4178558.99	570510.55, 4178558.99	9.71E-05	2.92E-05	3.4E-08	1.0E-07	3.0E-08	1.8E-08	1.6E-08	7.3E-09	1.3E-09	1.9E-08	4.0E-09	5.8E-09	5.3E-09	1.2E-09	3.6E-08
727	UCART1	570550.6	4178558.99	570550.55, 4178558.99	1.20E-04	3.62E-05	4.2E-08	1.3E-07	3.8E-08	2.2E-08	2.0E-08	9.1E-09	1.6E-09	2.3E-08	4.9E-09	7.2E-09	6.6E-09	1.4E-09	4.5E-08
728	UCART1	570590.6	4178558.99	570590.55, 4178558.99	1.50E-04	4.44E-05	5.2E-08	1.6E-07	4.6E-08	2.7E-08	2.4E-08	1.1E-08	2.0E-09	2.9E-08	6.1E-09	8.9E-09	8.0E-09	1.8E-09	5.6E-08
729	UCART1	570630.6	4178558.99	570630.55, 4178558.99	1.92E-04	5.27E-05	6.6E-08	2.0E-07	5.5E-08	3.2E-08	2.9E-08	1.3E-08	2.6E-09	3.7E-08	7.2E-09	1.1E-08	9.5E-09	2.1E-09	6.9E-08
730	UCART1	570670.6	4178558.99	570670.55, 4178558.99	2.55E-04	6.21E-05	8.8E-08	2.7E-07	6.5E-08	3.8E-08	3.4E-08	1.6E-08	3.5E-09	4.9E-08	8.5E-09	1.2E-08	1.1E-08	2.5E-09	8.7E-08
731	UCART1	570710.6	4178558.99	570710.55, 4178558.99	3.57E-04	7.34E-05	1.2E-07	3.7E-07	7.7E-08	4.4E-08	4.0E-08	1.8E-08	4.8E-09	6.9E-08	1.0E-08	1.5E-08	1.3E-08	2.9E-09	1.1E-07
732	UCART1	570750.6	4178558.99	570750.55, 4178558.99	5.31E-04	9.06E-05	1.8E-07	5.5E-07	9.5E-08	5.5E-08	5.0E-08	2.3E-08	7.2E-09	1.0E-07	1.2E-08	1.8E-08	1.6E-08	3.6E-09	1.6E-07
733	UCART1	570790.6	4178558.99	570790.55, 4178558.99	7.68E-04	1.60E-04	2.7E-07	8.0E-07	1.7E-07	9.7E-08	8.8E-08	4.0E-08	1.0E-08	1.5E-07	2.2E-08	3.2E-08	2.9E-08	6.3E-09	2.5E-07
734	UCART1	570830.6	4178558.99	570830.55, 4178558.99	1.43E-03	2.04E-04	5.0E-07	1.5E-06	2.1E-07	1.2E-07	1.1E-07	5.1E-08	1.9E-08	2.8E-07	2.8E-08	4.1E-08	3.7E-08	8.1E-09	4.1E-07
735	UCART1	570950.6	4178558.99	570950.55, 4178558.99	5.01E-03	1.03E-03	1.7E-06	5.2E-06	1.1E-06	6.2E-07	5.6E-07	2.6E-07	6.8E-08	9.6E-07	1.4E-07	2.0E-07	1.9E-07	4.1E-08	1.6E-06
736	UCART1	570990.6	4178558.99	570990.55, 4178558.99	3.51E-03	1.19E-03	1.2E-06	3.7E-06	1.2E-06	7.2E-07	6.5E-07	3.0E-07	4.8E-08	6.8E-07	1.6E-07	2.4E-07	2.2E-07	4.7E-08	1.4E-06
737	UCART1	571030.6	4178558.99	571030.55, 4178558.99	2.50E-03	1.19E-03	8.7E-07	2.6E-06	1.2E-06	7.2E-07	6.6E-07	3.0E-07	3.4E-08	4.8E-07	1.6E-07	2.4E-07	2.2E-07	4.7E-08	1.2E-06
738	UCART1	571070.6	4178558.99	571070.55, 4178558.99	1.88E-03	1.42E-03	6.5E-07	2.0E-06	1.5E-06	8.6E-07	7.8E-07	3.6E-07	2.6E-08	3.6E-07	1.9E-07	2.8E-07	2.6E-07	5.6E-08	1.2E-06
739	UCART1	571110.6	4178558.99	571110.55, 4178558.99	1.47E-03	1.76E-03	5.1E-07	1.5E-06	1.8E-06	1.1E-06	9.6E-07	4.4E-07	2.0E-08	2.8E-07	2.4E-07	3.5E-07	3.2E-07	6.9E-08	1.3E-06
740	UCART1	571150.6	4178558.99	571150.55, 4178558.99	1.19E-03	1.60E-03	4.1E-07	1.2E-06	1.7E-06	9.7E-07	8.7E-07	4.0E-07	1.6E-08	2.3E-07	2.2E-07	3.2E-07	2.9E-07	6.3E-08	1.1E-06
741	UCART1	571190.6	4178558.99	571190.55, 4178558.99	9.77E-04	1.28E-03	3.4E-07	1.0E-06	1.3E-06	7.7E-07	7.0E-07	3.2E-07	1.3E-08	1.9E-07	1.7E-07	2.6E-07	2.3E-07	5.0E-08	9.1E-07
742	UCART1	571230.6	4178558.99	571230.55, 4178558.99	8.16E-04	9.36E-04	2.8E-07	8.5E-07	9.8E-07	5.7E-07	5.1E-07	2.3E-07	1.1E-08	1.6E-07	1.3E-07	1.9E-07	1.7E-07	3.7E-08	6.9E-07
743	UCART1	571270.6	4178558.99	571270.55, 4178558.99	6.88E-04	7.47E-04	2.4E-07	7.2E-07	7.8E-07	4.5E-07	4.1E-07	1.9E-07	9.4E-09	1.3E-07	1.0E-07	1.5E-07	1.4E-07	2.9E-08	5.6E-07
744	UCART1	571310.6	4178558.99	571310.55, 4178558.99	5.89E-04	6.55E-04	2.0E-07	6.2E-07	6.8E-07	4.0E-07	3.6E-07	1.6E-07	8.0E-09	1.1E-07	8.9E-08	1.3E-07	1.2E-07	2.6E-08	4.9E-07
745	UCART1	571350.6	4178558.99	571350.55, 4178558.99	5.09E-04	5.77E-04	1.8E-07	5.3E-07	6.0E-07	3.5E-07	3.2E-07	1.4E-07	6.9E-09	9.8E-08	7.9E-08	1.2E-07	1.0E-07	2.3E-08	4.3E-07
746	UCART1	571390.6	4178558.99	571390.55, 4178558.99	4.43E-04	5.10E-04	1.5E-07	4.6E-07	5.3E-07	3.1E-07	2.8E-07	1.3E-07	6.0E-09	8.5E-08	6.9E-08	1.0E-07	9.2E-08	2.0E-08	3.7E-07
747	UCART1	571430.6	4178558.99	571430.55, 4178558.99	3.88E-04	4.52E-04	1.3E-07	4.1E-07	4.7E-07	2.7E-07	2.5E-07	1.1E-07	5.3E-09	7.4E-08	6.2E-08	9.0E-08	8.2E-08	1.8E-08	3.3E-07
748	UCART1	571470.6	4178558.99	571470.55, 4178558.99	3.41E-04	4.01E-04	1.2E-07	3.6E-07	4.2E-07	2.4E-07	2.2E-07	1.0E-07	4.6E-09	6.6E-08	5.5E-08	8.0E-08	7.3E-08	1.6E-08	2.9E-07
749	UCART1	571510.6	4178558.99	571510.55, 4178558.99	3.01E-04	3.58E-04	1.0E-07	3.1E-07	3.7E-07	2.2E-07	2.0E-07	9.0E-08	4.1E-09	5.8E-08	4.9E-08	7.1E-08	6.5E-08	1.4E-08	2.6E-07
750	UCART1	571550.6	4178558.99	571550.55, 4178558.99	2.68E-04	3.18E-04	9.3E-08	2.8E-07	3.3E-07	1.9E-07	1.7E-07	8.0E-08	3.6E-09	5.2E-08	4.3E-08	6.4E-08	5.8E-08	1.3E-08	2.3E-07
751	UCART1	571590.6	4178558.99	571590.55, 4178558.99	2.40E-04	2.85E-04	8.3E-08	2.5E-07	3.0E-07	1.7E-07	1.6E-07	7.1E-08	3.3E-09	4.6E-08	3.9E-08	5.7E-08	5.2E-08	1.1E-08	2.1E-07
752	UCART1	571630.6	4178558.99	571630.55, 4178558.99	2.15E-04	2.56E-04	7.5E-08	2.3E-07	2.7E-07	1.5E-07	1.4E-07	6.4E-08	2.9E-09	4.1E-08	3.5E-08	5.1E-08	4.6E-08	1.0E-08	1.9E-07
753	UCART1	571670.6	4178558.99	571670.55, 4178558.99	1.95E-04	2.31E-04	6.7E-08	2.0E-07	2.4E-07	1.4E-07	1.3E-07	5.8E-08	2.6E-09	3.7E-08	3.1E-08	4.6E-08	4.2E-08	9.1E-09	1.7E-07
754	UCART1	571710.6	4178558.99	571710.55, 4178558.99	1.76E-04	2.08E-04	6.1E-08	1.8E-07	2.2E-07	1.3E-07	1.1E-07	5.2E-08	2.4E-09	3.4E-08	2.8E-08	4.1E-08	3.8E-08	8.2E-09	1.5E-07
755	UCART1	571750.6	4178558.99	571750.55, 4178558.99	1.60E-04	1.88E-04	5.5E-08	1.7E-07	2.0E-07	1.1E-07	1.0E-07	4.7E-08	2.2E-09	3.1E-08	2.6E-08	3.8E-08	3.4E-08	7.4E-09	1.4E-07
756	UCART1	571790.6	4178558.99	571790.55, 4178558.99	1.46E-04	1.70E-04	5.1E-08	1.5E-07	1.8E-07	1.0E-07	9.3E-08	4.3E-08	2.0E-09	2.8E-08	2.3E-08	3.4E-08	3.1E-08	6.7E-09	1.2E-07
757	UCART1	571830.6	4178558.99	571830.55, 4178558.99	1.34E-04	1.55E-04	4.6E-08	1.4E-07	1.6E-07	9.4E-08	8.5E-08	3.9E-08	1.8E-09	2.6E-08	2.1E-08	3.1E-08	2.8E-08	6.1E-09	1.1E-07
758	UCART1	571870.6	4178558.99	571870.55, 4178558.99	1.23E-04	1.41E-04	4.3E-08	1.3E-07	1.5E-07	8.6E-08	7.8E-08	3.5E-08	1.7E-09	2.4E-08	1.9E-08	2.8E-08	2.6E-08	5.6E-09	1.0E-07
759	UCART1	570230.6	4178598.99	570230.55, 4178598.99	3.81E-05	1.10E-05	1.3E-08	4.0E-08	1.1E-08	6.6E-09	6.0E-09	2.7E-09	5.2E-10	7.3E-09	1.5E-09	2.2E-09	2.0E-09	4.3E-10	1.4E-08
760	UCART1	570270.6	4178598.99	570270.55, 4178598.99	4.24E-05	1.24E-05	1.5E-08	4.4E-08	1.3E-08	7.5E-09	6.8E-09	3.1E-09	5.8E-10	8.2E-09	1.7E-09	2.5E-09	2.2E-09	4.9E-10	1.6E-08
761	UCART1	570310.6	4178598.99	570310.55, 4178598.99	4.76E-05	1.42E-05	1.6E-08	5.0E-08	1.5E-08	8.6E-09	7.8E-09	3.5E-09	6.5E-10	9.1E-09	1.9E-09	2.8E-09	2.6E-09	5.6E-10	1.8E-08
762	UCART1	570350.6	4178598.99	570350.55, 4178598.99	5.34E-05	1.62E-05	1.9E-08	5.6E-08	1.7E-08	9.8E-09	8.9E-09	4.0E-09	7.3E-10	1.0E-08	2.2E-09	3.2E-09	2.9E-09	6.4E-10	2.0E-08
763	UCART1	570390.6	4178598.99	570390.55, 4178598.99	6.05E-05	1.84E-05	2.1E-08	6.3E-08	1.9E-08	1.1E-08	1.0E-08	4.6E-09	8.2E-10	1.2E-08	2.5E-09	3.7E-09	3.3E-09	7.3E-10	2.3E-08
764	UCART1	570430.6	4178598.99	570430.55, 4178598.99	6.98E-05	2.16E-05	2.4E-08	7.3E-08	2.3E-08	1.3E-08	1.2E-08	5.4E-09	9.5E-10	1.3E-08	2.9E-09	4.3E-09	3.9E-09	8.5E-10	2.6E-08
765	UCART1	570470.6	4178598.99	570470.55, 4178598.99	8.17E-05	2.56E-05	2.8E-08	8.5E-08	2.7E-08	1.5E-08	1.4E-08	6.4E-09	1.1E-09	1.6E-08	3.5E-09	5.1E-09	4.6E-09	1.0E-09	3.1E-08
766	UCART1	570510.6	4178598.99	570510.55, 4178598.99	9.81E-05	3.08E-05	3.4E-08	1.0E-07	3.2E-08	1.9E-08	1.7E-08	7.7E-09	1.3E-09	1.9E-08	4.2E-09	6.1E-09	5.6E-09	1.2E-09	3.7E-08
767	UCART1	570550.6	4178598.99	570550.55, 4178598.99	1.21E-04	3.83E-05	4.2E-08	1.3E-07	4.0E-08	2.3E-08	2.1E-08	9.6E-09	1.6E-09	2.3E-08	5.2E-09	7.6E-09	6.9E-09	1.5E-09	4.6E-08
768	UCART1	570590.6	4178598.99	570590.55, 4178598.99	1.49E-04	4.64E-05	5.2E-08	1.6E-07	4.8E-08	2.8E-08	2.5E-08	1.2E-08	2.0E-09	2.9E-08	6.3E-09	9.3E-09	8.4E-09	1.8E-09	5.7E-08
769	UCART1	570630.6	4178598.99	570630.55, 4178598.99	1.89E-04	5.51E-05	6.5E-08	2.0E-07	5.8E-08	3.3E-08	3.0E-08	1.4E-08	2.6E-09	3.6E-08	7.5E-09	1.1E-08	1.0E-08	2.2E-09	7.0E-08
770	UCART1	570670.6	4178598.99	570670.55, 4178598.99	2.47E-04	6.52E-05	8.5E-08	2.6E-07	6.8E-08	3.9E-08	3.6E-08	1.6E-08	3.4E-09	4.7E-08	8.9E-09	1.3E-08	1.2E-08	2.6E-09	8.7E-08
771	UCART1	570710.6	4178598.99	570710.55, 4178598.99	3.31E-04	7.77E-05	1.1E-07	3.5E-07	8.1E-08	4.7E-08	4.3E-08	1.9E-08	4.5E-09	6.4E-08	1.1E-08	1.6E-08	1.4E-08	3.1E-09	1.1E-07
772	UCART1	570750.6	4178598.99	570750.55, 4178598.99	4.63E-04	1.06E-04	1.6E-07	4.8E-07	1.1E-07	6.4E-08	5.8E-08	2.7E-08	6.3E-09	8.9E-08	1.4E-08	2.1E-08	1.9E-08	4.2E-09	1.5E-07
773	UCART1	570790.6	4178598.99	570790.55, 4178598.99	6.48E-04	1.61E-04	2.2E-07	6.8E-07	1.7E-07	9.8E-08	8.8E-08	4.0E-08	8.8E-09	1.2E-07	2.2E-08	3.2E-08	2.9E-08	6.4E-09	2.2E-07
774	UCART1	570830.6	4178598.99	570830.55, 4178598.99	1.05E-03	2.04E-04	3.6E-07	1.1E-06	2.1E-07	1.2E-07	1.1E-07	5.1E-08	1.4E-08	2.0E-07	2.8E-08	4.1E-08	3.7E-08	8.1E-09	3.3E-07
775	UCART1	570870.6	4178598.99	570870.55, 4178598.99	1.89E-03	2.71E-04	6.6E-07	2.0E-06	2.8E-07	1.6E-07	1.5E-07	6.8E-08	2.6E-08	3.6E-07	3.7E-08	5.4E-08	4.9E-08	1.1E-08	5.4E-07
776	UCART1	570910.6	4178598.99	570910.55, 4178598.99	2.83E-03	7.01E-04	9.8E-07	3.0E-06	7.3E-07	4.2E-07	3.8E-07	1.8E-07	3.8E-08	5.4E-07	9.6E-08	1.4E-07	1.3E-07	2.8E-08	9.7E-07
777	UCART1	570950.6	4178598.99	570950.55, 4178598.99	2.35E-03	1.07E-03	8.1E-07	2.5E-06	1.1E-06	6.4E-07	5.8E-07	2.7E-07	3.2E-08	4.5E-07	1.5E-07	2.1E-07	1.9E-07	4.2E-08	1.1E-06
778	UCART1	570990.6	4178598.99	570990.55, 4178598.99	1.85E-03	1.24E-03	6.4E-07	1.9E-06	1.3E-06	7.5E-07	6.8E-07	3.1E-07	2.5E-08	3.6E-07	1.7E-07	2.5E-07	2.2E-07	4.9E-08	1.1E-06
779	UCART1	571030.6	4178598.99	571030.55, 4178598.99	1.49E-03	1.08E-03	5.1E-07	1.6E-06	1.1E-06	6.5E-07	5.9E-07	2.7E-07	2.0E-08	2.9E-07	1.5E-07	2.2E-07	2.0E-07	4.3E-08	9.1E-07
780	UCART1	571070.6	4178598.99	571070.55, 4178598.99	1.22E-03	1.22E-03	4.2E-07	1.3E-06	1.3E-06	7.4E-07	6.7E-07	3.1E-07	1.7E-08	2.3E-07	1.7E-07	2.4E-07	2.2E-07	4.8E-08	9.3E-07
781	UCART1	571110.6	4178598.99	571110.55, 4178598.99	1.02E-03	1.35E-03	3.5E-07	1.1E-06	1.4E-06	8.2E-07	7.4E-07	3.4E-07	1.4E-08	2.0E-07	1.8E-07	2.7E-07	2.4E-07	5.3E-08	9.6E-07
782	UCART1	571150.6	4178598.99	571150.55, 4178598.99	8.60E-04	1.10E-03	3.0E-07	9.0E-07	1.1E-06	6.6E-07	6.0E-07	2.7E-07	1.2E-08	1.7E-07	1.5E-07	2.2E-07	2.0E-07	4.3E-08	7.9E-07
783	UCART1	571190.6	4178598.99	571190.55, 4178598.99	7.36E-04	8.60E-04	2.5E-07	7.7E-07	9.0E-07	5.2E-07	4.7E-07	2.2E-07	1.0E-08	1.4E-07	1.2E-07	1.7E-07	1.6E-07	3.4E-08	6.3E-07
784	UCART1	571230.6	4178598.99	571230.55, 4178598.99	6.34E-04	7.36E-04	2.2E-07	6.6E-07	7.7E-07	4.5E-07	4.0E-07	1.8E-07	8.6E-09	1.2E-07	1.0E-07	1.5E-07	1.3E-07	2.9E-08	5.4E-07
785	UCART1	571270.6	4178598.99	571270.55, 4178598.99	5.50E-04	6.54E-04	1.9E-07	5.7E-07	6.8E-07	4.0E-07	3.6E-07	1.6E-07	7.5E-09	1.1E-07	8.9E-08	1.3E-07	1.2E-07	2.6E-08	4.8E-07
786	UCART1	571310.6	4178598.99	571310.55, 4178598.99	4.79E-04	5.90E-04	1.7E-07	5.0E-07	6.2E-07	3.6E-07	3.2E-07	1.5E-07	6.5E-09	9.2E-08	8.0E-08	1.2E-07	1.1E-07	2.3E-08	4.3E-07
787	UCART1	571350.6	4178598.99	571350.55, 4178598.99	4.21E-04	5.30E-04	1.5E-07	4.4E-07	5.5E-07	3.2E-07	2.9E-07	1.3E-07	5.7E-09	8.1E-08	7.2E-08	1.1E-07	9.6E-08	2.1E-08	3.8E-07
788	UCART1	571390.6	4178598.99	571390.55, 4178598.99	3.73E-04	4.75E-04	1.3E-07	3.9E-07	5.0E-07	2.9E-07	2.6E-07	1.2E-07	5.1E-09	7.2E-08	6.5E-08	9.5E-08	8.6E-08	1.9E-08	3.4E-07
789	UCART1	571430.6	4178598.99	571430.55, 4178598.99	3.31E-04	4.26E-04	1.1E-07	3.5E-07	4.5E-07	2.6E-07	2.3E-07	1.1E-07	4.5E-09	6.4E-08	5.8E-08	8.5E-08	7.7E-08	1.7E-08	3.1E-07
790	UCART1	571470.6	4178598.99	571470.55, 4178598.99	2.95E-04	3.82E-04	1.0E-07	3.1E-07	4.0E-07	2.3E-07	2.1E-07	9.6E-08	4.0E-09	5.7E-08	5.2E-08	7.6E-08	6.9E-08	1.5E-08	2.7E-07
791	UCART1	571510.6	4178598.99	571510.55, 4178598.99	2.65E-04	3.43E-04	9.2E-08	2.8E-07	3.6E-07	2.1E-07	1.9E-07	8.6E-08	3.6E-09	5.1E-08	4.7E-08	6.9E-08	6.2E-08	1.4E-08	2.5E-07
792	UCART1	571550.6	4178598.99	571550.55, 4178598.99	2.38E-04	3.09E-04	8.2E-08	2.5E-07	3.2E-07	1.9E-07	1.7E-07	7.7E-08	3.2E-09	4.6E-08	4.2E-08	6.2E-08	5.6E-08	1.2E-08	2.2E-07
793	UCART1	571590.6	4178598.99	571590.55, 4178598.99	2.15E-04	2.78E-04	7.4E-08	2.2E-07	2.9E-07	1.7E-07	1.5E-07	7.0E-08	2.9E-09	4.1E-08	3.8E-08	5.6E-08	5.0E-08	1.1E-08	2.0E-07
794	UCART1	571630.6	4178598.99	571630.55, 4178598.99	1.95E-04	2.51E-04	6.7E-08	2.0E-07	2.6E-07	1.5E-07	1.4E-07	6.3E-08	2.6E-09	3.7E-08	3.4E-08	5.0E-08	4.5E-08	9.9E-09	1.8E-07
795	UCART1	571670.6	4178598.99	571670.55, 4178598.99	1.77E-04	2.26E-04	6.1E-08	1.9E-07	2.4E-07	1.4E-07	1.2E-07	5.7E-08	2.4E-09	3.4E-08	3.1E-08	4.5E-08	4.1E-08	8.9E-09	1.6E-07
796	UCART1	571710.6	4178598.99	571710.55, 4178598.99	1.61E-04	2.05E-04	5.6E-08	1.7E-07	2.1E-07	1.2E-07	1.1E-07	5.1E-08	2.2E-09	3.1E-08	2.8E-08	4.1E-08	3.7E-08	8.1E-09	1.5E-07
797	UCART1	571750.6	4178598.99	571750.55, 4178598.99	1.48E-04	1.86E-04	5.1E-08	1.5E-07	1.9E-07	1.1E-07	1.0E-07	4.6E-08	2.0E-09	2.8E-08	2.5E-08	3.7E-08	3.4E-08	7.3E-09	1.3E-07
798	UCART1	571790.6	4178598.99	571790.55, 4178598.99	1.36E-04	1.69E-04	4.7E-08	1.4E-07	1.8E-07	1.0E-07	9.3E-08	4.2E-08	1.8E-09	2.6E-08	2.3E-08	3.4E-08	3.1E-08	6.7E-09	1.2E-07
799	UCART1	571830.6	4178598.99	571830.55, 4178598.99	1.25E-04	1.54E-04	4.3E-08	1.3E-07	1.6E-07	9.3E-08	8.4E-08	3.9E-08	1.7E-09	2.4E-08	2.1E-08	3.1E-08	2.8E-08	6.1E-09	1.1E-07
800	UCART1	571870.6	4178598.99	571870.55, 4178598.99	1.16E-04	1.40E-04	4.0E-08	1.2E-07	1.5E-07	8.5E-08	7.7E-08	3.5E-08	1.6E-09	2.2E-08	1.9E-08	2.8E-08	2.5E-08	5.5E-09	1.0E-07
801	UCART1	570230.6	4178638.99	570230.55, 4178638.99	3.84E-05	1.11E-05	1.3E-08	4.0E-08	1.2E-08	6.7E-09	6.1E-09	2.8E-09	5.2E-10	7.4E-09	1.5E-09	2.2E-09	2.0E-09	4.4E-10	1.4E-08
802	UCART1	570270.6	4178638.99	570270.55, 4178638.99	4.28E-05	1.26E-05	1.5E-08	4.5E-08	1.3E-08	7.6E-09	6.9E-09	3.2E-09	5.8E-10	8.2E-09	1.7E-09	2.5E-09	2.3E-09	5.0E-10	1.6E-08

OPERATIONAL RISK (UNMITIGATED)

803	UCART1	570310.6	4178638.99	570310.55, 4178638.99	4.81E-05	1.46E-05	1.7E-08	5.0E-08	1.5E-08	8.8E-09	8.0E-09	3.7E-09	6.5E-10	9.2E-09	2.0E-09	2.9E-09	2.6E-09	5.8E-10	1.8E-08
804	UCART1	570350.6	4178638.99	570350.55, 4178638.99	5.42E-05	1.68E-05	1.9E-08	5.7E-08	1.8E-08	1.0E-08	9.2E-09	4.2E-09	7.4E-10	1.0E-08	2.3E-09	3.4E-09	3.0E-09	6.7E-10	2.1E-08
805	UCART1	570390.6	4178638.99	570390.55, 4178638.99	6.13E-05	1.94E-05	2.1E-08	6.4E-08	2.0E-08	1.2E-08	1.1E-08	4.8E-09	8.3E-10	1.2E-08	2.6E-09	3.9E-09	3.5E-09	7.6E-10	2.3E-08
806	UCART1	570430.6	4178638.99	570430.55, 4178638.99	7.05E-05	2.27E-05	2.4E-08	7.4E-08	2.4E-08	1.4E-08	1.2E-08	5.7E-09	9.6E-10	1.4E-08	3.1E-09	4.5E-09	4.1E-09	9.0E-10	2.7E-08
807	UCART1	570470.6	4178638.99	570470.55, 4178638.99	8.27E-05	2.70E-05	2.9E-08	8.6E-08	2.8E-08	1.6E-08	1.5E-08	6.8E-09	1.1E-09	1.6E-08	3.7E-09	5.4E-09	4.9E-09	1.1E-09	3.2E-08
808	UCART1	570510.6	4178638.99	570510.55, 4178638.99	9.90E-05	3.27E-05	3.4E-08	1.0E-07	3.4E-08	2.0E-08	1.8E-08	8.2E-09	1.3E-09	1.9E-08	4.5E-09	6.5E-09	5.9E-09	1.3E-09	3.9E-08
809	UCART1	570550.6	4178638.99	570550.55, 4178638.99	1.20E-04	3.99E-05	4.2E-08	1.3E-07	4.2E-08	2.4E-08	2.2E-08	1.0E-08	1.6E-09	2.3E-08	5.4E-09	8.0E-09	7.2E-09	1.6E-09	4.7E-08
810	UCART1	570590.6	4178638.99	570590.55, 4178638.99	1.46E-04	4.72E-05	5.1E-08	1.5E-07	4.9E-08	2.9E-08	2.6E-08	1.2E-08	2.0E-09	2.8E-08	6.4E-09	9.4E-09	8.5E-09	1.9E-09	5.6E-08
811	UCART1	570630.6	4178638.99	570630.55, 4178638.99	1.83E-04	5.69E-05	6.3E-08	1.9E-07	5.9E-08	3.4E-08	3.1E-08	1.4E-08	2.5E-09	3.5E-08	7.8E-09	1.1E-08	1.0E-08	2.2E-09	6.9E-08
812	UCART1	570670.6	4178638.99	570670.55, 4178638.99	2.32E-04	6.92E-05	8.0E-08	2.4E-07	7.2E-08	4.2E-08	3.8E-08	1.7E-08	3.2E-09	4.5E-08	9.4E-09	1.4E-08	1.3E-08	2.7E-09	8.6E-08
813	UCART1	570710.6	4178638.99	570710.55, 4178638.99	2.98E-04	8.67E-05	1.0E-07	3.1E-07	9.1E-08	5.2E-08	4.8E-08	2.2E-08	4.1E-09	5.7E-08	1.2E-08	1.7E-08	1.6E-08	3.4E-09	1.1E-07
814	UCART1	570750.6	4178638.99	570750.55, 4178638.99	3.90E-04	1.12E-04	1.4E-07	4.1E-07	1.2E-07	6.8E-08	6.1E-08	2.8E-08	5.3E-09	7.5E-08	1.5E-08	2.2E-08	2.0E-08	4.4E-09	1.4E-07
815	UCART1	570790.6	4178638.99	570790.55, 4178638.99	5.20E-04	1.51E-04	1.8E-07	5.4E-07	1.6E-07	9.2E-08	8.3E-08	3.8E-08	7.1E-09	1.0E-07	2.1E-08	3.0E-08	2.7E-08	6.0E-09	1.9E-07
816	UCART1	570830.6	4178638.99	570830.55, 4178638.99	7.17E-04	1.94E-04	2.5E-07	7.5E-07	2.0E-07	1.2E-07	1.1E-07	4.9E-08	9.7E-09	1.4E-07	2.6E-08	3.9E-08	3.5E-08	7.7E-09	2.6E-07
817	UCART1	570870.6	4178638.99	570870.55, 4178638.99	9.50E-04	2.54E-04	3.3E-07	9.9E-07	2.7E-07	1.5E-07	1.4E-07	6.4E-08	1.3E-08	1.8E-07	3.5E-08	5.1E-08	4.6E-08	1.0E-08	3.4E-07
818	UCART1	570910.6	4178638.99	570910.55, 4178638.99	1.10E-03	3.71E-04	3.8E-07	1.1E-06	3.9E-07	2.2E-07	2.0E-07	9.3E-08	1.5E-08	2.1E-07	5.1E-08	7.4E-08	6.7E-08	1.5E-08	4.3E-07
819	UCART1	570950.6	4178638.99	570950.55, 4178638.99	1.08E-03	5.31E-04	3.8E-07	1.1E-06	5.5E-07	3.2E-07	2.9E-07	1.3E-07	1.5E-08	2.1E-07	7.2E-08	1.1E-07	9.6E-08	2.1E-08	5.2E-07
820	UCART1	570990.6	4178638.99	570990.55, 4178638.99	1.00E-03	6.29E-04	3.5E-07	1.0E-06	6.6E-07	3.8E-07	3.5E-07	1.6E-07	1.4E-08	1.9E-07	8.6E-08	1.3E-07	1.1E-07	2.5E-08	5.6E-07
821	UCART1	571030.6	4178638.99	571030.55, 4178638.99	8.97E-04	7.49E-04	3.1E-07	9.4E-07	7.8E-07	4.5E-07	4.1E-07	1.9E-07	1.2E-08	1.7E-07	1.0E-07	1.5E-07	1.4E-07	3.0E-08	6.0E-07
822	UCART1	571070.6	4178638.99	571070.55, 4178638.99	7.95E-04	7.46E-04	2.8E-07	8.3E-07	7.8E-07	4.5E-07	4.1E-07	1.9E-07	1.1E-08	1.5E-07	1.0E-07	1.5E-07	1.4E-07	2.9E-08	5.8E-07
823	UCART1	571110.6	4178638.99	571110.55, 4178638.99	7.02E-04	7.14E-04	2.4E-07	7.3E-07	7.5E-07	4.3E-07	3.9E-07	1.8E-07	9.5E-09	1.3E-07	9.7E-08	1.4E-07	1.3E-07	2.8E-08	5.4E-07
824	UCART1	571150.6	4178638.99	571150.55, 4178638.99	6.20E-04	6.80E-04	2.1E-07	6.5E-07	7.1E-07	4.1E-07	3.7E-07	1.7E-07	8.4E-09	1.2E-07	9.3E-08	1.4E-07	1.2E-07	2.7E-08	5.1E-07
825	UCART1	571190.6	4178638.99	571190.55, 4178638.99	5.49E-04	6.03E-04	1.9E-07	5.7E-07	6.3E-07	3.7E-07	3.3E-07	1.5E-07	7.5E-09	1.1E-07	8.2E-08	1.2E-07	1.1E-07	2.4E-08	4.5E-07
826	UCART1	571230.6	4178638.99	571230.55, 4178638.99	4.87E-04	5.66E-04	1.7E-07	5.1E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	6.6E-09	9.4E-08	7.7E-08	1.1E-07	1.0E-07	2.2E-08	4.2E-07
827	UCART1	571270.6	4178638.99	571270.55, 4178638.99	4.34E-04	5.29E-04	1.5E-07	4.5E-07	5.5E-07	3.2E-07	2.9E-07	1.3E-07	5.9E-09	8.3E-08	7.2E-08	1.1E-07	9.6E-08	2.1E-08	3.8E-07
828	UCART1	571310.6	4178638.99	571310.55, 4178638.99	3.86E-04	4.90E-04	1.3E-07	4.0E-07	5.1E-07	3.0E-07	2.7E-07	1.2E-07	5.3E-09	7.4E-08	6.7E-08	9.8E-08	8.9E-08	1.9E-08	3.5E-07
829	UCART1	571350.6	4178638.99	571350.55, 4178638.99	3.45E-04	4.51E-04	1.2E-07	3.6E-07	4.7E-07	2.7E-07	2.5E-07	1.1E-07	4.7E-09	6.6E-08	6.2E-08	9.0E-08	8.2E-08	1.8E-08	3.2E-07
830	UCART1	571390.6	4178638.99	571390.55, 4178638.99	3.10E-04	4.15E-04	1.1E-07	3.2E-07	4.3E-07	2.5E-07	2.3E-07	1.0E-07	4.2E-09	6.0E-08	5.7E-08	8.3E-08	7.5E-08	1.6E-08	2.9E-07
831	UCART1	571430.6	4178638.99	571430.55, 4178638.99	2.80E-04	3.79E-04	9.7E-08	2.9E-07	4.0E-07	2.3E-07	2.1E-07	9.5E-08	3.8E-09	5.4E-08	5.2E-08	7.6E-08	6.9E-08	1.5E-08	2.7E-07
832	UCART1	571470.6	4178638.99	571470.55, 4178638.99	2.53E-04	3.45E-04	8.8E-08	2.6E-07	3.6E-07	2.1E-07	1.9E-07	8.6E-08	3.4E-09	4.9E-08	4.7E-08	6.9E-08	6.3E-08	1.4E-08	2.4E-07
833	UCART1	571510.6	4178638.99	571510.55, 4178638.99	2.29E-04	3.16E-04	7.9E-08	2.4E-07	3.3E-07	1.9E-07	1.7E-07	7.9E-08	3.1E-09	4.4E-08	4.3E-08	6.3E-08	5.7E-08	1.2E-08	2.2E-07
834	UCART1	571550.6	4178638.99	571550.55, 4178638.99	2.08E-04	2.87E-04	7.2E-08	2.2E-07	3.0E-07	1.7E-07	1.6E-07	7.2E-08	2.8E-09	4.0E-08	3.9E-08	5.7E-08	5.2E-08	1.1E-08	2.0E-07
835	UCART1	571590.6	4178638.99	571590.55, 4178638.99	1.90E-04	2.61E-04	6.6E-08	2.0E-07	2.7E-07	1.6E-07	1.4E-07	6.5E-08	2.6E-09	3.7E-08	3.6E-08	5.2E-08	4.7E-08	1.0E-08	1.8E-07
836	UCART1	571630.6	4178638.99	571630.55, 4178638.99	1.74E-04	2.37E-04	6.0E-08	1.8E-07	2.5E-07	1.4E-07	1.3E-07	5.9E-08	2.4E-09	3.3E-08	3.2E-08	4.7E-08	4.3E-08	9.4E-09	1.7E-07
837	UCART1	571670.6	4178638.99	571670.55, 4178638.99	1.59E-04	2.16E-04	5.5E-08	1.7E-07	2.3E-07	1.3E-07	1.2E-07	5.4E-08	2.2E-09	3.1E-08	3.0E-08	4.3E-08	3.9E-08	8.5E-09	1.5E-07
838	UCART1	571710.6	4178638.99	571710.55, 4178638.99	1.46E-04	1.97E-04	5.1E-08	1.5E-07	2.1E-07	1.2E-07	1.1E-07	4.9E-08	2.0E-09	2.8E-08	2.7E-08	3.9E-08	3.6E-08	7.8E-09	1.4E-07
839	UCART1	571750.6	4178638.99	571750.55, 4178638.99	1.35E-04	1.79E-04	4.7E-08	1.4E-07	1.9E-07	1.1E-07	9.8E-08	4.5E-08	1.8E-09	2.6E-08	2.4E-08	3.6E-08	3.2E-08	7.1E-09	1.3E-07
840	UCART1	571790.6	4178638.99	571790.55, 4178638.99	1.25E-04	1.64E-04	4.3E-08	1.3E-07	1.7E-07	9.9E-08	9.0E-08	4.1E-08	1.7E-09	2.4E-08	2.2E-08	3.3E-08	3.0E-08	6.5E-09	1.2E-07
841	UCART1	571830.6	4178638.99	571830.55, 4178638.99	1.16E-04	1.50E-04	4.0E-08	1.2E-07	1.6E-07	9.1E-08	8.2E-08	3.7E-08	1.6E-09	2.2E-08	2.0E-08	3.0E-08	2.7E-08	5.9E-09	1.1E-07
842	UCART1	571870.6	4178638.99	571870.55, 4178638.99	1.08E-04	1.37E-04	3.7E-08	1.1E-07	1.4E-07	8.3E-08	7.5E-08	3.4E-08	1.5E-09	2.1E-08	1.9E-08	2.7E-08	2.5E-08	5.4E-09	9.9E-08
843	UCART1	570230.6	4178678.99	570230.55, 4178678.99	3.87E-05	1.13E-05	1.3E-08	4.0E-08	1.2E-08	6.9E-09	6.2E-09	2.8E-09	5.3E-10	7.4E-09	1.5E-09	2.3E-09	2.1E-09	4.5E-10	1.4E-08
844	UCART1	570270.6	4178678.99	570270.55, 4178678.99	4.31E-05	1.30E-05	1.5E-08	4.5E-08	1.4E-08	7.9E-09	7.1E-09	3.3E-09	5.9E-10	8.3E-09	1.8E-09	2.6E-09	2.4E-09	5.1E-10	1.6E-08
845	UCART1	570310.6	4178678.99	570310.55, 4178678.99	4.84E-05	1.50E-05	1.7E-08	5.1E-08	1.6E-08	9.1E-09	8.2E-09	3.8E-09	6.6E-10	9.3E-09	2.0E-09	3.0E-09	2.7E-09	5.9E-10	1.8E-08
846	UCART1	570350.6	4178678.99	570350.55, 4178678.99	5.47E-05	1.75E-05	1.9E-08	5.7E-08	1.8E-08	1.1E-08	9.6E-09	4.4E-09	7.4E-10	1.1E-08	2.4E-09	3.5E-09	3.2E-09	6.9E-10	2.1E-08
847	UCART1	570390.6	4178678.99	570390.55, 4178678.99	6.23E-05	2.03E-05	2.2E-08	6.5E-08	2.1E-08	1.2E-08	1.1E-08	5.1E-09	8.5E-10	1.2E-08	2.8E-09	4.1E-09	3.7E-09	8.0E-10	2.4E-08
848	UCART1	570430.6	4178678.99	570430.55, 4178678.99	7.17E-05	2.37E-05	2.5E-08	7.5E-08	2.5E-08	1.4E-08	1.3E-08	5.9E-09	9.7E-10	1.4E-08	3.2E-09	4.7E-09	4.3E-09	9.4E-10	2.8E-08
849	UCART1	570470.6	4178678.99	570470.55, 4178678.99	8.35E-05	2.82E-05	2.9E-08	8.7E-08	2.9E-08	1.7E-08	1.5E-08	7.1E-09	1.1E-09	1.6E-08	3.8E-09	5.6E-09	5.1E-09	1.1E-09	3.3E-08
850	UCART1	570510.6	4178678.99	570510.55, 4178678.99	9.86E-05	3.36E-05	3.4E-08	1.0E-07	3.5E-08	2.0E-08	1.8E-08	8.4E-09	1.3E-09	1.9E-08	4.6E-09	6.7E-09	6.1E-09	1.3E-09	3.9E-08
851	UCART1	570550.6	4178678.99	570550.55, 4178678.99	1.17E-04	3.97E-05	4.1E-08	1.2E-07	4.1E-08	2.4E-08	2.2E-08	9.9E-09	1.6E-09	2.3E-08	5.4E-09	7.9E-09	7.2E-09	1.6E-09	4.6E-08
852	UCART1	570590.6	4178678.99	570590.55, 4178678.99	1.41E-04	4.73E-05	4.9E-08	1.5E-07	4.9E-08	2.9E-08	2.6E-08	1.2E-08	1.9E-09	2.7E-08	6.4E-09	9.4E-09	8.6E-09	1.9E-09	5.5E-08
853	UCART1	570630.6	4178678.99	570630.55, 4178678.99	1.72E-04	5.81E-05	6.0E-08	1.8E-07	6.1E-08	3.5E-08	3.2E-08	1.5E-08	2.3E-09	3.3E-08	7.9E-09	1.2E-08	1.1E-08	2.3E-09	6.8E-08
854	UCART1	570670.6	4178678.99	570670.55, 4178678.99	2.12E-04	7.37E-05	7.3E-08	2.2E-07	7.7E-08	4.5E-08	4.0E-08	1.8E-08	2.9E-09	4.1E-08	1.0E-08	1.5E-08	1.3E-08	2.9E-09	8.5E-08
855	UCART1	570710.6	4178678.99	570710.55, 4178678.99	2.61E-04	9.54E-05	9.0E-08	2.7E-07	1.0E-07	5.8E-08	5.2E-08	2.4E-08	3.6E-09	5.0E-08	1.3E-08	1.9E-08	1.7E-08	3.8E-09	1.1E-07
856	UCART1	570750.6	4178678.99	570750.55, 4178678.99	3.24E-04	1.19E-04	1.1E-07	3.4E-07	1.2E-07	7.2E-08	6.5E-08	3.0E-08	4.4E-09	6.2E-08	1.6E-08	2.4E-08	2.1E-08	4.7E-09	1.3E-07
857	UCART1	570790.6	4178678.99	570790.55, 4178678.99	4.03E-04	1.44E-04	1.4E-07	4.2E-07	1.5E-07	8.7E-08	7.9E-08	3.6E-08	5.5E-09	7.7E-08	2.0E-08	2.9E-08	2.6E-08	5.7E-09	1.6E-07
858	UCART1	570830.6	4178678.99	570830.55, 4178678.99	4.95E-04	1.72E-04	1.7E-07	5.2E-07	1.8E-07	1.0E-07	9.4E-08	4.3E-08	6.7E-09	9.5E-08	2.3E-08	3.4E-08	3.1E-08	6.8E-09	2.0E-07
859	UCART1	570870.6	4178678.99	570870.55, 4178678.99	5.87E-04	2.18E-04	2.0E-07	6.1E-07	2.3E-07	1.3E-07	1.2E-07	5.4E-08	8.0E-09	1.1E-07	3.0E-08	4.3E-08	3.9E-08	8.6E-09	2.4E-07
860	UCART1	570910.6	4178678.99	570910.55, 4178678.99	6.32E-04	2.51E-04	2.2E-07	6.6E-07	2.6E-07	1.5E-07	1.4E-07	6.3E-08	8.6E-09	1.2E-07	3.4E-08	5.0E-08	4.5E-08	9.9E-09	2.7E-07
861	UCART1	570950.6	4178678.99	570950.55, 4178678.99	6.36E-04	3.26E-04	2.2E-07	6.6E-07	3.4E-07	2.0E-07	1.8E-07	8.2E-08	8.7E-09	1.2E-07	4.4E-08	6.5E-08	5.9E-08	1.3E-08	3.1E-07
862	UCART1	570990.6	4178678.99	570990.55, 4178678.99	6.16E-04	3.98E-04	2.1E-07	6.4E-07	4.2E-07	2.4E-07	2.2E-07	1.0E-07	8.4E-09	1.2E-07	5.4E-08	8.0E-08	7.2E-08	1.6E-08	3.5E-07
863	UCART1	571030.6	4178678.99	571030.55, 4178678.99	5.81E-04	4.47E-04	2.0E-07	6.1E-07	4.7E-07	2.7E-07	2.5E-07	1.1E-07	7.9E-09	1.1E-07	6.1E-08	8.9E-08	8.1E-08	1.8E-08	3.7E-07
864	UCART1	571070.6	4178678.99	571070.55, 4178678.99	5.39E-04	4.61E-04	1.9E-07	5.6E-07	4.8E-07	2.8E-07	2.5E-07	1.2E-07	7.3E-09	1.0E-07	6.3E-08	9.2E-08	8.3E-08	1.8E-08	3.7E-07
865	UCART1	571110.6	4178678.99	571110.55, 4178678.99	4.95E-04	4.61E-04	1.7E-07	5.2E-07	4.8E-07	2.8E-07	2.5E-07	1.2E-07	6.7E-09	9.5E-08	6.3E-08	9.2E-08	8.3E-08	1.8E-08	3.6E-07
866	UCART1	571150.6	4178678.99	571150.55, 4178678.99	4.52E-04	4.50E-04	1.6E-07	4.7E-07	4.7E-07	2.7E-07	2.5E-07	1.1E-07	6.2E-09	8.7E-08	6.1E-08	9.0E-08	8.1E-08	1.8E-08	3.4E-07
867	UCART1	571190.6	4178678.99	571190.55, 4178678.99	4.12E-04	4.37E-04	1.4E-07	4.3E-07	4.6E-07	2.6E-07	2.4E-07	1.1E-07	5.6E-09	7.9E-08	6.0E-08	8.7E-08	7.9E-08	1.7E-08	3.3E-07
868	UCART1	571230.6	4178678.99	571230.55, 4178678.99	3.75E-04	4.22E-04	1.3E-07	3.9E-07	4.4E-07	2.6E-07	2.3E-07	1.1E-07	5.1E-09	7.2E-08	5.8E-08	8.4E-08	7.6E-08	1.7E-08	3.1E-07
869	UCART1	571270.6	4178678.99	571270.55, 4178678.99	3.41E-04	4.03E-04	1.2E-07	3.6E-07	4.2E-07	2.4E-07	2.2E-07	1.0E-07	4.6E-09	6.6E-08	5.5E-08	8.1E-08	7.3E-08	1.6E-08	2.9E-07
870	UCART1	571310.6	4178678.99	571310.55, 4178678.99	3.10E-04	3.86E-04	1.1E-07	3.2E-07	4.0E-07	2.3E-07	2.1E-07	9.7E-08	4.2E-09	6.0E-08	5.3E-08	7.7E-08	7.0E-08	1.5E-08	2.8E-07
871	UCART1	571350.6	4178678.99	571350.55, 4178678.99	2.82E-04	3.67E-04	9.8E-08	3.0E-07	3.8E-07	2.2E-07	2.0E-07	9.2E-08	3.8E-09	5.4E-08	5.0E-08	7.3E-08	6.6E-08	1.4E-08	2.6E-07
872	UCART1	571390.6	4178678.99	571390.55, 4178678.99	2.57E-04	3.46E-04	8.9E-08	2.7E-07	3.6E-07	2.1E-07	1.9E-07	8.7E-08	3.5E-09	4.9E-08	4.7E-08	6.9E-08	6.3E-08	1.4E-08	2.5E-07
873	UCART1	571430.6	4178678.99	571430.55, 4178678.99	2.35E-04	3.23E-04	8.1E-08	2.5E-07	3.4E-07	2.0E-07	1.8E-07	8.1E-08	3.2E-09	4.5E-08	4.4E-08	6.5E-08	5.9E-08	1.3E-08	2.3E-07
874	UCART1	571470.6	4178678.99	571470.55, 4178678.99	2.15E-04	3.00E-04	7.5E-08	2.3E-07	3.1E-07	1.8E-07	1.6E-07	7.5E-08	2.9E-09	4.1E-08	4.1E-08	6.0E-08	5.4E-08	1.2E-08	2.1E-07
875	UCART1	571510.6	4178678.99	571510.55, 4178678.99	1.97E-04	2.79E-04	6.8E-08	2.1E-07	2.9E-07	1.7E-07	1.5E-07	7.0E-08	2.7E-09	3.8E-08	3.8E-08	5.6E-08	5.0E-08	1.1E-08	2.0E-07
876	UCART1	571550.6	4178678.99	571550.55, 4178678.99	1.81E-04	2.57E-04	6.3E-08	1.9E-07	2.7E-07	1.6E-07	1.4E-07	6.4E-08	2.5E-09	3.5E-08	3.5E-08	5.1E-08	4.7E-08	1.0E-08	1.8E-07
877	UCART1	571590.6	4178678.99	571590.55, 4178678.99	1.67E-04	2.37E-04	5.8E-08	1.7E-07	2.5E-07	1.4E-07	1.3E-07	5.9E-08	2.3E-09	3.2E-08	3.2E-08	4.7E-08	4.3E-08	9.4E-09	1.7E-07
878	UCART1	571630.6	4178678.99	571630.55, 4178678.99	1.54E-04	2.18E-04	5.3E-08	1.6E-07	2.3E-07	1.3E-07	1.2E-07	5.5E-08	2.1E-09	3.0E-08	3.0E-08	4.3E-08	3.9E-08	8.6E-09	1.5E-07
879	UCART1	571670.6	4178678.99	571670.55, 4178678.99	1.42E-04	2.00E-04	4.9E-08	1.5E-07	2.1E-07	1.2E-07	1.1E-07	5.0E-08	1.9E-09	2.7E-08	2.7E-08	4.0E-08	3.6E-08	7.9E-09	1.4E-07
880	UCART1	571710.6	4178678.99	571710.55, 4178678.99	1.31E-04	1.84E-04	4.5E-08	1.4E-07	1.9E-07	1.1E-07	1.0E-07	4.6E-08	1.8E-09	2.5E-08	2.5E-08	3.7E-08	3.3E-08	7.3E-09	1.3E-07
881	UCART1	571750.6	4178678.99	571750.55, 4178678.99	1.22E-04	1.69E-04	4.2E-08	1.3E-07	1.8E-07	1.0E-07	9.3E-08	4.2E-08	1.7E-09	2.3E-08	2.3E-08	3.4E-08	3.1E-08	6.7E-09	1.2E-07
882	UCART1	571790.6	4178678.99	571790.55, 4178678.99	1.14E-04	1.55E-04	3.9E-08	1.2E-07	1.6E-07	9.4E-08	8.5E-08	3.9E-08	1.5E-09	2.2E-08	2.1E-08	3.1E-08	2.8E-08	6.1E-09	1.1E-07
883	UCART1	571830.6	4178678.99	571830.55, 4178678.99	1.06E-04	1.43E-04	3.7E-08	1.1E-07	1.5E-07	8.6E-08	7.8E-08	3.6E-08	1.4E-09	2.0E-08	1.9E-08	2.8E-08	2.6E-08	5.6E-09	1.0E-07
884	UCART1	571870.6	4178678.99	571870.55, 4178678.99	9.89E-05	1.31E-04	3.4E-08	1.0E-07	1.4E-07	8.0E-08	7.2E-08	3.3E-08	1.3E-09	1.9E-08	1.8E-08	2.6E-08	2.4E-08	5.2E-09	9.3E-08
885	UCART1	570230.6	4178718.99	570230.55, 4178718.99	3.89E-05	1.15E-05	1.3E-08	4.1E-08	1.2E-08	7.0E-09	6.3E-09	2.9E-09	5.3E-10	7.5E-09	1.6E-09	2.3E-09	2.1E-09	4.5E-10	1.4E-08
886	UCART1	570270.6	4178718.99	570270.55, 4178718.99	4.34E-05	1.35E-05	1.5E-08	4.5E-08	1.4E-08	8.1E-09	7.4E-09	3.4E-09	5.9E-10	8.3E-09	1.8E-09	2.7E-09	2.4E-09	5.3E-10	1.6E-08
887	UCART1	570310.6	4178718.99	570310.55, 4178718.99	4.86E-05	1.54E-05	1.7E-08	5.1E-08	1.6E-08	9.3E-09	8.5E-09	3.9E-09	6.6E-10	9.3E-09	2.1E-09	3.1E-09	2.8E-09	6.1E-10	1.9E-08
888	UCART1	570350.6	4178718.99	570350.55, 4178718.99	5.49E-05	1.79E-05	1.9E-08	5.7E-08	1.9E-08	1.1E-08	9.8E-09	4.5E-09	7.5E-10	1.1E-08	2.4E-09	3.6E-09	3.2E-09	7.1E-10	2.1E-08
889	UCART1	570390.6	4178718.99	570390.55, 4178718.99	6.25E-05	2.07E-05	2.2E-08	6.5E-08	2.2E-08	1.3E-08	1.1E-08	5.2E-09	8.5E-10	1.2E-08	2.8E-09	4.1E-09	3.7E-09	8.2E-10	2.4E-08
890	UCART1	570430.6	4178718.99	570430.55, 4178718.99	7.17E-05	2.41E-05	2.5E-08	7.5E-08	2.5E-08	1.5E-08	1.3E-08	6.0E-09	9.7E-10	1.4E-08	3.3E-09	4.8E-09	4.4E-09	9.5E-10	2.8E-08
891	UCART1	570470.6	4178718.99	570470.55, 4178718.99	8.28E-05	2.80E-05	2.9E-08	8.7E-08	2.9E-08	1.7E-08	1.5E-08	7.0E-09	1.1E-09	1.6E-08	3.8E-09	5.6E-09	5.1E-09	1.1E-09	3.3E-08
892	UCART1	570510.6	4178718.99	570510.55, 4178718.99	9.64E-05	3.26E-05	3.3E-08	1.0E-07	3.4E-08	2.0E-08	1.8E-08	8.2E-09	1.3E-09	1.9E-08	4.4E-09	6.5E-09	5.9E-09	1.3E-09	3.8E-08
893	UCART1	570550.6	4178718.99	570550.55, 4178718.99	1.13E-04	3.90E-05	3.9E-08	1.2E-07	4.1E-08	2.4E-08	2.1E-08	9.8E-09	1.5E-09	2.2E-08	5.3E-09	7.8E-09	7.1E-09	1.5E-09	4.5E-08
894	UCART1	570590.6	4178718.99	570590.55, 4178718.99	1.34E-04	4.74E-05	4.6E-08	1.4E-07	5.0E-08	2.9E-08	2.6E-08	1.2E-08	1.8E-09	2.6E-08	6.5E-09	9.5E-09	8.6E-09	1.9E-09	5.4E-08
895	UCART1	570630.6	4178718.99	570630.55, 4178718.99	1.59E-04	6.00E-05	5.5E-08	1.7E-07	6.3E-08	3.6E-08	3.3E-08	1.5E-08	2.2E-09	3.1E-08	8.2E-09	1.2E-08	1.1E-08	2.4E-09	6.6E-08
896	UCART1	570670.6	4178718.99	570670.55, 4178718.99	1.89E-04	7.90E-05	6.6E-08	2.0E-07	8.3E-08	4.8E-08	4.3E-08	2.0E-08	2.6E-09	3.6E-08	1.1E-08	1.6E-08	1.4E-08	3.1E-09	8.3E-08
897	UCART1	570710.6	4178718.99	570710.55, 4178718.99	2.25E-04	1.00E-04	7.8E-08	2.4E-07	1.0E-07	6.1E-08	5.5E-08	2.5E-08	3.1E-09	4.3E-08	1.4E-08	2.0E-08	1.8E-08	4.0E-09	1.0E-07
898	UCART1	570750.6	4178718.99	570750.55, 4178718.99	2.66E-04	1.22E-04	9.2E-08	2.8E-07	1.3E-07	7.4E-08	6.7E-08	3.0E-08	3.6E-09	5.1E-08	1.7E-08	2.4E-08	2.2E-08	4.8E-09	1.2E-07
899	UCART1	570790.6	4178718.99	570790.55, 4178718.99	3.14E-04	1.49E-04	1.1E-07	3.3E-07	1.6E-07	9.0E-08	8.2E-08	3.7E-08	4.3E-09	6.0E-08	2.0E-08	3.0E-08	2.7E-08	5.9E-09	1.5E-07
900	UCART1	570830.6	4178718.99	570830.55, 4178718.99	3.66E-04	1.77E-04	1.3E-07	3.8E-07	1.9E-07	1.1E-07	9.7E-08	4.4E-08	5.0E-09	7.0E-08	2.4E-08	3.5E-08	3.2E-08	7.0E-09	1.7E-07
901	UCART1	570870.6	4178718.99	570870.55, 4178718.99	4.00E-04	1.77E-04	1.4E-07	4.2E-07	1.8E-07	1.1E-07	9.7E-08	4.4E-08	5.4E-09	7.7E-08	2.4E-08	3.5E-08	3.2E-08	7.0E-09	1.8E-07
902	UCART1	570910.6	4178718.99	570910.55, 4178718.99	4.22E-04	1.98E-04	1.5E-07	4.4E-07	2.1E-07	1.2E-07	1.1E-07	5.0E-08	5.7E-09	8.1E-08	2.7E-08	4.0E-08	3.6E-08	7.8E-09	2.0E-07
903	UCART1	570950.6	4178718.99	570950.55, 4178718.99	4.27E-04	2.41E-04	1.5E-07	4.5E-07	2.5E-07	1.5E-07	1.3E-07	6.0E-08	5.8E-09	8.2E-08	3.3E-08	4.8E-08	4.4E-08	9.5E-09	2.2E-07
904	UCART1	570990.6	4178718.99	570990.55, 4178718.99	4.21E-04	2.90E-04	1.5E-07	4.4E-07	3.0E-07	1.8E-07	1.6E-07	7.3E-08	5.7E-09	8.1E-08	4.0E-08	5.8E-08	5.3E-08	1.1E-08	2.5E-07
905	UCART1	571030.6	4178718.99	571030.55, 4178718.99	4.07E-04	3.24E-04	1.4E-07	4.2E-07	3.4E-07	2.0E-07	1.8E-07	8.1E-08	5.5E-09	7.8E-08	4.4E-08	6.5E-08	5.9E-08	1.3E-08	2.6E-07
906	UCART1	571070.6	4178718.99	571070.55, 4178718.99	3.86E-04	3.42E-04	1.3E-07	4.0E-07	3.6E-07	2.1E-07	1.9E-07	8.6E-08	5.3E-09	7.4E-08	4.7E-08	6.8E-08	6.2E-08	1.3E-08	2.7E-07
907	UCART1	571110.6	4178718.99	571110.55, 4178718.99	3.63E-04	3.43E-04	1.3E-07	3.8E-07	3.6E-07	2.1E-07	1.9E-07	8.6E-08	4.9E-09	7.0E-08	4.7E-08	6.8E-08	6.2E-08	1.4E-08	2.7E-07
908	UCART1	571150.6	4178718.99	571150.55, 4178718.99	3.39E-04	3.37E-04	1.2E-07	3.5E-07	3.5E-07	2.0E-07	1.8E-07	8.4E-08	4.6E-09	6.5E-08	4.6E-08	6.7E-08	6.1E-08	1.3E-08	2.6E-07
909	UCART1	571190.6	4178718.99	571190.55, 4178718.99	3.15E-04	3.31E-04	1.1E-07	3.3E-07	3.5E-07	2.0E-07	1.8E-07	8.3E-08	4.3E-09	6.1E-08	4.5E-08	6.6E-08	6.0E-08	1.3E-08	2.5E-07
910	UCART1	571230.6	4178718.99	571230.55, 4178718.99	2.92E-04	3.20E-04	1.0E-07	3.1E-07	3.3E-07	1.9E-07	1.8E-07	8.0E-08	4.0E-09	5.6E-08	4.4E-08	6.4E-08	5.8E-08	1.3E-08	2.4E-07
911	UCART1	571270.6	4178718.99	571270.55, 4178718.99	2.71E-04	3.09E-04	9.4E-08	2.8E-07	3.2E-07	1.9E-07	1.7E-07	7.7E-08	3.7E-09	5.2E-08	4.2E-08	6.2E-08	5.6E-08	1.2E-08	2.3E-07
912	UCART1	571310.6	4178718.99	571310.55, 4178718.99	2.50E-04	3.00E-04	8.7E-08	2.6E-07	3.1E-07	1.8E-07	1.6E-07	7.5E-08	3.4E-09	4.8E-08	4.1E-08	6.0E-08	5.4E-08	1.2E-08	2.2E-07
913	UCART1	571350.6	4178718.99	571350.55, 4178718.99	2.31E-04	2.88E-04	8.0E-08	2.4E-07	3.0E-07	1.7E-07	1.6E-07	7.2E-08	3.1E-09	4.4E-08	3.9E-08	5.7E-08	5.2E-08	1.1E-08	2.1E-07
914	UCART1	571390.6	4178718.99	571390.55, 4178718.99	2.14E-04	2.75E-04	7.4E-08	2.2E-07	2.9E-07	1.7E-07	1.5E-07	6.9E-08	2.9E-09	4.1E-08	3.8E-08	5.5E-08	5.0E-08	1.1E-08	2.0E-07
915	UCART1	571430.6	4178718.99	571430.55, 4178718.99	1.97E-04	2.62E-04	6.8E-08	2.1E-07	2.7E-07	1.6E-07	1.4E-07	6.5E-08	2.7E-09	3.8E-08	3.6E-08	5.2E-08	4.7E-08	1.0E-08	1.9E-07
916	UCART1	571470.6	4178718.99	571470.55, 4178718.99	1.83E-04	2.49E-04	6.3E-08	1.9E-07	2.6E-07	1.5E-07	1.4E-07	6.2E-08	2.5E-09	3.5E-08	3.4E-08	5.0E-08	4.5E-08	9.8E-09	1.8E-07
917	UCART1	571510.6	4178718.99	571510.55, 4178718.99	1.69E-04	2.36E-04	5.8E-08	1.8E-07	2.5E-07	1.4E-07	1.3E-07	5.9E-08	2.3E-09	3.2E-08	3.2E-08	4.7E-08	4.3E-08	9.3E-09	1.7E-07
918	UCART1	571550.6	4178718.99	571550.55, 4178718.99	1.57E-04	2.21E-04	5.4E-08	1.6E-07	2.3E-07	1.3E-07	1.2E-07	5.5E-08	2.1E-09	3.0E-08	3.0E-08	4.4E-08	4.0E-08	8.7E-09	1.6E-07
919	UCART1	571590.6	4178718.99	571590.55, 4178718.99	1.45E-04	2.08E-04	5.0E-08	1.5E-07	2.2E-07	1.3E-07	1.1E-07	5.2E-08	2.0E-09	2.8E-08	2.8E-08	4.1E-08	3.8E-08	8.2E-09	1.5E-07
920	UCART1	571630.6	4178718.99	571630.55, 4178718.99	1.35E-04	1.93E-04	4.7E-08	1.4E-07	2.0E-07	1.2E-07	1.1E-07	4.8E-08	1.8E-09	2.6E-08	2.6E-08	3.9E-08	3.5E-08	7.6E-09	1.4E-07
921	UCART1	571670.6	4178718.99	571670.55, 4178718.99	1.26E-04	1.80E-04	4.4E-08	1.3E-07	1.9E-07	1.1E-07	9.9E-08	4.5E-08	1.7E-09	2.4E-08	2.5E-08	3.6E-08	3.3E-08	7.1E-09	1.3E-07
922	UCART1	571710.6	4178718.99	571710.55, 4178718.99	1.18E-04	1.67E-04	4.1E-08	1.2E-07	1.7E-07	1.0E-07	9.2E-08	4.2E-08	1.6E-09	2.3E-08	2.3E-08	3.3E-08	3.0E-08	6.6E-09	1.2E-07
923	UCART1	571750.6	4178718.99	571750.55, 4178718.99	1.10E-04	1.55E-04	3.8E-08	1.1E-07	1.6E-07	9.4E-08	8.5E-08	3.9E-08	1.5E-09	2.1E-08	2.1E-08	3.1E-08	2.8E-08	6.1E-09	1.1E-07
924	UCART1	571790.6	4178718.99	571790.55, 4178718.99	1.03E-04	1.44E-04	3.6E-08	1.1E-07	1.5E-07	8.7E-08	7.9E-08	3.6E-08	1.4E-09	2.0E-08	2.0E-08	2.9E-08	2.6E-08	5.7E-09	1.0E-07
925	UCART1	571830.6	4178718.99	571830.55, 4178718.99	9.64E-05	1.33E-04	3.3E-08	1.0E-07	1.4E-07	8.1E-08	7.3E-08	3.3E-08	1.3E-09	1.9E-08	1.8E-08	2.7E-08	2.4E-08	5.3E-09	9.4E-08
926	UCART1	571870.6	4178718.99	571870.55, 4178718.99	9.05E-05	1.24E-04	3.1E-08	9.5E-08	1.3E-07	7.5E-08	6.8E-08	3.1E-08	1.2E-09	1.7E-08	1.7E-08	2.5E-08	2.2E-08	4.9E-09	8.7E-08
927	UCART1	570230.6	4178758.99	570230.55, 4178758.99	3.91E-05	1.17E-05	1.4E-08	4.1E-08	1.2E-08	7.1E-09	6.4E-09	2.9E-09	5.3E-10	7.5E-09	1.6E-09	2.3E-09	2.1E-09	4.6E-10	1.5E-08
928	UCART1	570270.6	4178758.99	570270.55, 4178758.99	4.35E-05	1.34E-05	1.5E-08	4.5E-08	1.4E-08	8.1E-09	7.3E-09	3.3E-09	5.9E-10	8.4E-09	1.8E-09	2.7E-09	2.4E-09	5.3E-10	1.6E-08
929	UCART1	570310.6	4178758.99	570310.55, 4178758.99	4.87E-05	1.56E-05	1.7E-08	5.1E-08	1.6E-08	9.4E-09	8.5E-09	3.9E-09	6.6E-10	9.4E-09	2.1E-09	3.1E-09	2.8E-09	6.1E-10	1.9E-08
930	UCART1	570350.6	4178758.99	570350.55, 4178758.99	5.48E-05	1.78E-05	1.9E-08	5.7E-08	1.9E-08	1.1E-08	9.8E-09	4.5E-09	7.4E-10	1.1E-08	2.4E-09	3.6E-09	3.2E-09	7.0E-10	2.1E-08
931	UCART1	570390.6	4178758.99	570390.55, 4178758.99	6.20E-05	2.03E-05	2.1E-08	6.5E-08	2.1E-08	1.2E-08	1.1E-08	5.1E-09	8.4E-10	1.2E-08	2.8E-09	4.1E-09	3.7E-09	8.0E-10	2.4E-08
932	UCART1	570430.6	4178758.99	570430.55, 4178758.99	7.06E-05	2.34E-05	2.4E-08	7.4E-08	2.4E-08	1.4E-08	1.3E-08	5.9E-09	9.6E-10	1.4E-08	3.2E-09	4.7E-09	4.2E-09	9.3E-10	2.8E-08
933	UCART1	570470.6	4178758.99	570470.55, 4178758.99	8.08E-05	2.71E-05	2.8E-08	8.4E-08	2.8E-08	1.6E-08	1.5E-08	6.8E-09	1.1E-09	1.6E-08	3.7E-09	5.4E-09	4.9E-09	1.1E-09	3.2E-08

Worker Risk (Unmitigated)

Operations

Onsite Circulation	Idle	Offsite	Fire Pump
6.34E-07	2.58E-08	1.19E-06	2.45E-02

Discrete Receptor ID					Construction	Concentration [µg/m^3] at 1 g/s				Operations					Worker Dose		Worker Risk		
		X	Y	X, Y	Total	Onsite Trucks	Idle	Offsite	Fire Pump	Onsite Trucks	Idle	Offsite	Generator	Total	Construction	Operations	Construction	Operations	Total Risk
1	UCART1	570230.55	4177838.99	570230.55, 4177838.99	2.78E-05	1.12247	1.20186	1.21001	0.00051	7.12E-07	3.11E-08	1.44E-06	1.25E-05	1.47E-05	1.8E-08	9.7E-09	6.5E-10	3.5E-09	4.1E-09
2	UCART1	570270.55	4177838.99	570270.55, 4177838.99	2.97E-05	1.18554	1.27234	1.28951	0.00052	7.52E-07	3.29E-08	1.53E-06	1.27E-05	1.50E-05	2.0E-08	1.0E-08	6.9E-10	3.6E-09	4.3E-09
3	UCART1	570310.55	4177838.99	570310.55, 4177838.99	3.16E-05	1.24929	1.34313	1.3762	0.00052	7.92E-07	3.47E-08	1.63E-06	1.27E-05	1.52E-05	2.1E-08	1.0E-08	7.4E-10	3.6E-09	4.3E-09
4	UCART1	570350.55	4177838.99	570350.55, 4177838.99	3.37E-05	1.31322	1.41345	1.4713	0.0005	8.33E-07	3.65E-08	1.75E-06	1.22E-05	1.49E-05	2.2E-08	9.8E-09	7.9E-10	3.5E-09	4.3E-09
5	UCART1	570390.55	4177838.99	570390.55, 4177838.99	3.59E-05	1.37657	1.48216	1.57583	0.00049	8.73E-07	3.83E-08	1.87E-06	1.20E-05	1.48E-05	2.4E-08	9.8E-09	8.4E-10	3.5E-09	4.3E-09
6	UCART1	570430.55	4177838.99	570430.55, 4177838.99	3.81E-05	1.43869	1.54855	1.69154	0.00048	9.12E-07	4.00E-08	2.01E-06	1.17E-05	1.47E-05	2.5E-08	9.7E-09	8.9E-10	3.5E-09	4.4E-09
7	UCART1	570470.55	4177838.99	570470.55, 4177838.99	4.04E-05	1.4995	1.61249	1.82102	0.00047	9.51E-07	4.17E-08	2.16E-06	1.15E-05	1.47E-05	2.7E-08	9.7E-09	9.5E-10	3.5E-09	4.4E-09
8	UCART1	570510.55	4177838.99	570510.55, 4177838.99	4.27E-05	1.55654	1.67117	1.96188	0.00047	9.87E-07	4.32E-08	2.33E-06	1.15E-05	1.49E-05	2.8E-08	9.8E-09	1.0E-09	3.5E-09	4.5E-09
9	UCART1	570550.55	4177838.99	570550.55, 4177838.99	4.49E-05	1.6153	1.73145	2.12858	0.00047	1.02E-06	4.48E-08	2.53E-06	1.15E-05	1.51E-05	3.0E-08	1.0E-08	1.1E-09	3.6E-09	4.6E-09
10	UCART1	570590.55	4177838.99	570590.55, 4177838.99	4.70E-05	1.67088	1.78784	2.31166	0.00045	1.06E-06	4.62E-08	2.75E-06	1.10E-05	1.49E-05	3.1E-08	9.8E-09	1.1E-09	3.5E-09	4.6E-09
11	UCART1	570630.55	4177838.99	570630.55, 4177838.99	4.90E-05	1.72383	1.84165	2.50959	0.00042	1.09E-06	4.76E-08	2.98E-06	1.03E-05	1.44E-05	3.2E-08	9.5E-09	1.1E-09	3.4E-09	4.6E-09
12	UCART1	570670.55	4177838.99	570670.55, 4177838.99	5.07E-05	1.77554	1.89491	2.71799	0.00038	1.13E-06	4.90E-08	3.23E-06	9.30E-06	1.37E-05	3.4E-08	9.1E-09	1.2E-09	3.2E-09	4.4E-09
13	UCART1	570710.55	4177838.99	570710.55, 4177838.99	5.21E-05	1.82721	1.94945	2.92608	0.00034	1.16E-06	5.04E-08	3.48E-06	8.32E-06	1.30E-05	3.4E-08	8.6E-09	1.2E-09	3.1E-09	4.3E-09
14	UCART1	570750.55	4177838.99	570750.55, 4177838.99	5.33E-05	1.8801	2.00692	3.12653	0.00031	1.19E-06	5.19E-08	3.71E-06	7.59E-06	1.25E-05	3.5E-08	8.3E-09	1.2E-09	3.0E-09	4.2E-09
15	UCART1	570790.55	4177838.99	570790.55, 4177838.99	5.41E-05	1.93511	2.06817	3.33296	0.00029	1.23E-06	5.35E-08	3.96E-06	7.10E-06	1.23E-05	3.6E-08	8.2E-09	1.3E-09	2.9E-09	4.2E-09
16	UCART1	570830.55	4177838.99	570830.55, 4177838.99	5.48E-05	1.9934	2.13386	3.56088	0.00029	1.26E-06	5.52E-08	4.23E-06	7.10E-06	1.26E-05	3.6E-08	8.4E-09	1.3E-09	3.0E-09	4.3E-09
17	UCART1	570870.55	4177838.99	570870.55, 4177838.99	5.53E-05	2.05391	2.20195	3.75864	0.00029	1.30E-06	5.69E-08	4.46E-06	7.10E-06	1.29E-05	3.7E-08	8.5E-09	1.3E-09	3.1E-09	4.3E-09
18	UCART1	570910.55	4177838.99	570910.55, 4177838.99	5.57E-05	2.1169	2.27204	3.86542	0.0003	1.34E-06	5.87E-08	4.59E-06	7.34E-06	1.33E-05	3.7E-08	8.8E-09	1.3E-09	3.2E-09	4.5E-09
19	UCART1	570950.55	4177838.99	570950.55, 4177838.99	5.62E-05	2.18173	2.3431	3.87283	0.00031	1.38E-06	6.06E-08	4.60E-06	7.59E-06	1.36E-05	3.7E-08	9.0E-09	1.3E-09	3.2E-09	4.5E-09
20	UCART1	570990.55	4177838.99	570990.55, 4177838.99	5.68E-05	2.24822	2.41521	3.8047	0.00031	1.43E-06	6.24E-08	4.52E-06	7.59E-06	1.36E-05	3.8E-08	9.0E-09	1.3E-09	3.2E-09	4.5E-09
21	UCART1	571030.55	4177838.99	571030.55, 4177838.99	5.75E-05	2.3155	2.48733	3.69061	0.00033	1.47E-06	6.43E-08	4.38E-06	8.08E-06	1.40E-05	3.8E-08	9.3E-09	1.3E-09	3.3E-09	4.7E-09
22	UCART1	571070.55	4177838.99	571070.55, 4177838.99	5.82E-05	2.38203	2.55703	3.55607	0.00034	1.51E-06	6.61E-08	4.22E-06	8.32E-06	1.41E-05	3.9E-08	9.3E-09	1.4E-09	3.3E-09	4.7E-09
23	UCART1	571110.55	4177838.99	571110.55, 4177838.99	5.88E-05	2.44535	2.62041	3.41808	0.00036	1.55E-06	6.77E-08	4.06E-06	8.81E-06	1.45E-05	3.9E-08	9.6E-09	1.4E-09	3.4E-09	4.8E-09
24	UCART1	571150.55	4177838.99	571150.55, 4177838.99	5.92E-05	2.50211	2.67268	3.28615	0.00038	1.59E-06	6.91E-08	3.90E-06	9.30E-06	1.49E-05	3.9E-08	9.8E-09	1.4E-09	3.5E-09	4.9E-09
25	UCART1	571190.55	4177838.99	571190.55, 4177838.99	5.94E-05	2.55131	2.71247	3.16939	0.00043	1.62E-06	7.01E-08	3.76E-06	1.05E-05	1.60E-05	3.9E-08	1.1E-08	1.4E-09	3.8E-09	5.2E-09
26	UCART1	571230.55	4177838.99	571230.55, 4177838.99	5.95E-05	2.58578	2.73206	3.06327	0.00047	1.64E-06	7.06E-08	3.64E-06	1.15E-05	1.68E-05	3.9E-08	1.1E-08	1.4E-09	4.0E-09	5.4E-09
27	UCART1	571270.55	4177838.99	571270.55, 4177838.99	5.95E-05	2.60721	2.73453	2.97493	0.00054	1.65E-06	7.07E-08	3.53E-06	1.32E-05	1.85E-05	3.9E-08	1.2E-08	1.4E-09	4.4E-09	5.8E-09
28	UCART1	571310.55	4177838.99	571310.55, 4177838.99	5.96E-05	2.6075	2.7138	2.89375	0.00065	1.65E-06	7.02E-08	3.44E-06	1.59E-05	2.11E-05	3.9E-08	1.4E-08	1.4E-09	5.0E-09	6.4E-09
29	UCART1	571350.55	4177838.99	571350.55, 4177838.99	6.01E-05	2.58808	2.67393	2.8178	0.00079	1.64E-06	6.91E-08	3.35E-06	1.93E-05	2.44E-05	4.0E-08	1.6E-08	1.4E-09	5.8E-09	7.2E-09
30	UCART1	571390.55	4177838.99	571390.55, 4177838.99	6.09E-05	2.55162	2.61997	2.74451	0.00096	1.62E-06	6.77E-08	3.26E-06	2.35E-05	2.84E-05	4.0E-08	1.9E-08	1.4E-09	6.7E-09	8.2E-09
31	UCART1	571430.55	4177838.99	571430.55, 4177838.99	6.22E-05	2.50242	2.55695	2.66946	0.00119	1.59E-06	6.61E-08	3.17E-06	2.91E-05	3.39E-05	4.1E-08	2.2E-08	1.5E-09	8.0E-09	9.5E-09
32	UCART1	571470.55	4177838.99	571470.55, 4177838.99	6.41E-05	2.44453	2.48853	2.58892	0.00144	1.55E-06	6.43E-08	3.08E-06	3.52E-05	3.99E-05	4.2E-08	2.6E-08	1.5E-09	9.4E-09	1.1E-08
33	UCART1	571510.55	4177838.99	571510.55, 4177838.99	6.61E-05	2.38081	2.41673	2.50314	0.00169	1.51E-06	6.25E-08	2.97E-06	4.14E-05	4.59E-05	4.4E-08	3.0E-08	1.5E-09	1.1E-08	1.2E-08
34	UCART1	571550.55	4177838.99	571550.55, 4177838.99	6.80E-05	2.31314	2.3424	2.41187	0.00198	1.47E-06	6.06E-08	2.86E-06	4.85E-05	5.28E-05	4.5E-08	3.5E-08	1.6E-09	1.2E-08	1.4E-08
35	UCART1	571590.55	4177838.99	571590.55, 4177838.99	6.97E-05	2.24335	2.26626	2.31689	0.00224	1.42E-06	5.86E-08	2.75E-06	5.48E-05	5.90E-05	4.6E-08	3.9E-08	1.6E-09	1.4E-08	1.6E-08
36	UCART1	571630.55	4177838.99	571630.55, 4177838.99	7.13E-05	2.17323	2.18957	2.22214	0.00242	1.38E-06	5.66E-08	2.64E-06	5.92E-05	6.33E-05	4.7E-08	4.2E-08	1.7E-09	1.5E-08	1.7E-08
37	UCART1	571670.55	4177838.99	571670.55, 4177838.99	7.22E-05	2.1012	2.11097	2.12807	0.00255	1.33E-06	5.46E-08	2.53E-06	6.24E-05	6.63E-05	4.8E-08	4.4E-08	1.7E-09	1.6E-08	1.7E-08
38	UCART1	571710.55	4177838.99	571710.55, 4177838.99	7.25E-05	2.02767	2.03083	2.03546	0.00264	1.29E-06	5.25E-08	2.42E-06	6.46E-05	6.84E-05	4.8E-08	4.5E-08	1.7E-09	1.6E-08	1.8E-08
39	UCART1	571750.55	4177838.99	571750.55, 4177838.99	7.22E-05	1.95331	1.94998	1.94493	0.00268	1.24E-06	5.04E-08	2.31E-06	6.56E-05	6.92E-05	4.8E-08	4.6E-08	1.7E-09	1.6E-08	1.8E-08
40	UCART1	571790.55	4177838.99	571790.55, 4177838.99	7.14E-05	1.87859	1.86911	1.85676	0.00269	1.19E-06	4.83E-08	2.21E-06	6.58E-05	6.93E-05	4.7E-08	4.6E-08	1.7E-09	1.6E-08	1.8E-08
41	UCART1	571830.55	4177838.99	571830.55, 4177838.99	7.00E-05	1.8037	1.78861	1.77085	0.00267	1.14E-06	4.62E-08	2.10E-06	6.53E-05	6.86E-05	4.6E-08	4.5E-08	1.6E-09	1.6E-08	1.8E-08
42	UCART1	571870.55	4177838.99	571870.55, 4177838.99	6.82E-05	1.72857	1.70865	1.687	0.0026	1.10E-06	4.42E-08	2.00E-06	6.36E-05	6.68E-05	4.5E-08	4.4E-08	1.6E-09	1.6E-08	1.7E-08
43	UCART1	570230.55	4177878.99	570230.55, 4177878.99	2.88E-05	1.15863	1.24186	1.25258	0.00057	7.35E-07	3.21E-08	1.49E-06	1.39E-05	1.62E-05	1.9E-08	1.1E-08	6.7E-10	3.8E-09	4.5E-09
44	UCART1	570270.55	4177878.99	570270.55, 4177878.99	3.09E-05	1.23247	1.32552	1.34143	0.00059	7.82E-07	3.43E-08	1.59E-06	1.44E-05	1.68E-05	2.0E-08	1.1E-08	7.2E-10	4.0E-09	4.7E-09
45	UCART1	570310.55	4177878.99	570310.55, 4177878.99	3.32E-05	1.30787	1.41066	1.43815	0.00059	8.29E-07	3.65E-08	1.71E-06	1.44E-05	1.70E-05	2.2E-08	1.1E-08	7.8E-10	4.0E-09	4.8E-09
46	UCART1	570350.55	4177878.99	570350.55, 4177878.99	3.56E-05	1.38456	1.49675	1.54489	0.00058	8.78E-07	3.87E-08	1.83E-06	1.42E-05	1.69E-05	2.4E-08	1.1E-08	8.3E-10	4.0E-09	4.8E-09
47	UCART1	570390.55	4177878.99	570390.55, 4177878.99	3.81E-05	1.46171	1.58249	1.66345	0.00057	9.27E-07	4.09E-08	1.98E-06	1.39E-05	1.69E-05	2.5E-08	1.1E-08	8.9E-10	4.0E-09	4.9E-09
48	UCART1	570430.55	4177878.99	570430.55, 4177878.99	4.08E-05	1.5391	1.6674	1.79745	0.00055	9.76E-07	4.31E-08	2.13E-06	1.35E-05	1.66E-05	2.7E-08	1.1E-08	9.5E-10	3.9E-09	4.9E-09
49	UCART1	570470.55	4177878.99	570470.55, 4177878.99	4.36E-05	1.61443	1.74852	1.9472	0.00054	1.02E-06	4.52E-08	2.31E-06	1.32E-05	1.66E-05	2.9E-08	1.1E-08	1.0E-09	3.9E-09	4.9E-09
50	UCART1	570510.55	4177878.99	570510.55, 4177878.99	4.64E-05	1.68961	1.82813	2.12222	0.00053	1.07E-06	4.73E-08	2.52E-06	1.30E-05	1.66E-05	3.1E-08	1.1E-08	1.1E-09	3.9E-09	5.0E-09
51	UCART1	570550.55	4177878.99	570550.55, 4177878.99	4.93E-05	1.76301	1.90445	2.32633	0.00053	1.12E-06	4.92E-08	2.76E-06	1.30E-05	1.69E-05	3.3E-08	1.1E-08	1.2E-09	4.0E-09	5.1E-09
52	UCART1	570590.55	4177878.99	570590.55, 4177878.99	5.21E-05	1.8358	1.97928	2.57131	0.00052	1.16E-06	5.12E-08	3.05E-06	1.27E-05	1.70E-05	3.4E-08	1.1E-08	1.2E-09	4.0E-09	5.2E-09
53	UCART1	570630.55	4177878.99	570630.55, 4177878.99	5.47E-05	1.90443	2.04895	2.85644	0.00049	1.21E-06	5.30E-08	3.39E-06	1.20E-05	1.66E-05	3.6E-08	1.1E-08	1.3E-09	3.9E-09	5.2E-09
54	UCART1	570670.55	4177878.99	570670.55, 4177878.99	5.72E-05	1.97042	2.11606	3.19098	0.00045	1.25E-06	5.47E-08	3.79E-06	1.10E-05	1.61E-05	3.8E-08	1.1E-08	1.3E-09	3.8E-09	5.1E-09
55	UCART1	570710.55	4177878.99	570710.55, 4177878.99	5.94E-05	2.03666	2.18487	3.58171	0.0004	1.29E-06	5.65E-08	4.25E-06	9.79E-06	1.54E-05	3.9E-08	1.0E-08	1.4E-09	3.6E-09	5.0E-09
56	UCART1	570750.55	4177878.99	570750.55, 4177878.99	6.13E-05	2.10257	2.25516	3.99248	0.00036	1.33E-06	5.83E-08	4.74E-06	8.81E-06	1.49E-05	4.1E-08	9.9E-09	1.4E-09	3.5E-09	5.0E-09
57	UCART1	570790.55	4177878.99	570790.55, 4177878.99	6.28E-05	2.16907	2.32826	4.37603	0.00034	1.38E-06	6.02E-08	5.20E-06	8.32E-06	1.50E-05	4.2E-08	9.9E-09	1.5E-09	3.5E-09	5.0E-09
58	UCART1	570830.55	4177878.99	570830.55, 4177878.99	6.39E-05	2.23748	2.40523	4.77383	0.00033	1.42E-06	6.22E-08	5.67E-06	8.08E-06	1.52E-05	4.2E-08	1.0E-08	1.5E-09	3.6E-09	5.1E-09
59	UCART1	570870.55	4177878.99	570870.55, 4177878.99	6.48E-05	2.30975	2.48723	5.08514	0.00033	1.46E-06	6.43E-08	6.04E-06	8.08E-06	1.56E-05	4.3E-08	1.0E-08	1.5E-09	3.7E-09	5.2E-09
60	UCART1	570910.55	4177878.99	570910.55, 4177878.99	6.56E-05	2.38562	2.57277	5.1429	0.00033	1.51E-06	6.65E-08	6.11E-06	8.08E-06	1.58E-05	4.3E-08	1.0E-08	1.5E-09	3.7E-09	5.3E-09
61	UCART1	570950.55	4177878.99	570950.55, 4177878.99	6.62E-05	2.46501	2.66092	4.97606	0.00034	1.56E-06	6.88E-08	5.91E-06	8.32E-06	1.59E-05	4.4E-08	1.0E-08	1.5E-09	3.8E-09	5.3E-09
62	UCART1	570990.55	4177878.99	570990.55, 4177878.99	6.70E-05	2.54617	2.74946	4.70261	0.00035	1.61E-06	7.11E-08	5.59E-06	8.56E-06	1.58E-05	4.4E-08	1.0E-08	1.6E-09	3.7E-09	5.3E-09
63	UCART1	571030.55	4177878.99	571030.55, 4177878.99	6.77E-05	2.62794	2.83734	4.41549	0.00036	1.67E-06	7.33E-08	5.24E-06	8.81E-06	1.58E-05	4.5E-08	1.0E-08	1.6E-09	3.7E-09	5.3E-09
64	UCART1	571070.55	4177878.99	571070.55, 4177878.99	6.86E-05	2.70893	2.92202	4.15562	0.00038	1.72E-06	7.55E-08	4.94E-06	9.30E-06	1.60E-05	4.5E-08	1.1E-08	1.6E-09	3.8E-09	5.4E-09
65	UCART1	571110.55	4177878.99	571110.55, 4177878.99	6.93E-05	2.78567	2.99786	3.93056	0.0004	1.77E-06	7.75E-08	4.67E-06	9.79E-06	1.63E-05	4.6E-08	1.1E-08	1.6E-09	3.9E-09	5.5E-09
66	UCART1	571150.55	4177878.99	571150.55, 4177878.99	6.97E-05	2.85396	3.05878	3.73932	0.00045	1.81E-06	7.91E-08	4.44E-06	1.10E-05	1.73E-05	4.6E-08	1.1E-08	1.6E-09	4.1E-09	5.7E-09
67	UCART1	571190.55	4177878.99	571190.55, 4177878.99	7.00E-05	2.91023	3.10015	3.58068	0.0005	1.85E-06	8.01E-08	4.25E-06	1.22E-05	1.84E-05	4.6E-08	1.2E-08	1.6E-09	4.4E-09	6.0E-09
68	UCART1	571230.55	4177878.99	571230.55, 4177878.99	7.02E-05	2.9448	3.1128	3.44326	0.00058	1.87E-06	8.05E-08	4.09E-06	1.42E-05	2.02E-05	4.6E-08	1.3E-08	1.6E-09	4.8E-09	6.4E-09
69	UCART1	571270.55	4177878.99	571270.55, 4177878.99	7.05E-05	2.96133	3.10288	3.3353	0.0007	1.88E-06	8.02E-08	3.96E-06	1.71E-05	2.30E-05	4.7E-08	1.5E-08	1.6E-09	5.5E-09	7.1E-09
70	UCART1	571310.55	4177878.99	571310.55, 4177878.99	7.11E-05	2.95022	3.06446	3.23964	0.00086	1.87E-06	7.92E-08	3.85E-06	2.10E-05	2.68E-05	4.7E-08	1.8E-08	1.7E-09	6.3E-09	8.0E-09
71	UCART1	571350.55	4177878.99	571350.55, 4177878.99	7.22E-05	2.91524	3.0051	3.15304	0.00108	1.85E-06	7.77E-08	3.75E-06	2.64E-05	3.21E-05	4.8E-08	2.1E-08	1.7E-09	7.6E-09	9.3E-09
72	UCART1	571390.55	4177878.99	571390.55, 4177878.99	7.33E-05	2.8582	2.92897	3.06826	0.00136	1.81E-06	7.57E-08	3.64E-06	3.33E-05	3.88E-05	4.9E-08	2.6E-08	1.7E-09	9.2E-09	1.1E-08
73	UCART1	571430.55	4177878.99	571430.55, 4177878.99	7.48E-05	2.78498	2.84085	2.97559	0.00166	1.77E-06	7.34E-08	3.53E-06	4.06E-05	4.60E-05	5.0E-08	3.0E-08	1.8E-09	1.1E-08	1.3E-08
74	UCART1	571470.55	4177878.99	571470.55, 4177878.99	7.90E-05	2.71879	2.76295	2.88536	0.00202	1.72E-06	7.14E-08	3.43E-06	4.94E-05	5.47E-05	5.2E-08	3.6E-08	1.8E-09	1.3E-08	1.5E-08
75	UCART1	571510.55	4177878.99	571510.55, 4177878.99	8.16E-05	2.6385	2.67291	2.77929	0.00235	1.67E-06	6.91E-08	3.30E-06	5.75E-05	6.25E-05	5.4E-08	4.1E-08	1.9E-09	1.5E-08	1.7E-08
76	UCART1	571550.55	4177878.99	571550.55, 4177878.99	8.37E-05	2.55427	2.5799	2.66745	0.00266	1.62E-06	6.67E-08	3.17E-06	6.51E-05	6.99E-05	5.5E-08	4.6E-08	2.0E-09	1.7E-08	1.9E-08
77	UCART1	571590.55	4177878.99	571590.55, 4177878.99	8.51E-05	2.46711	2.48416	2.55203	0.00288	1.56E-06	6.42E-08	3.03E-06	7.05E-05	7.51E-05	5.6E-08	5.0E-08	2.0E-09	1.8E-08	2.0E-08
78	UCART1	571630.55	4177878.99	571630.55, 4177878.99	8.59E-05	2.37873	2.38688	2.43664	0.00304	1.51E-06	6.17E-08	2.89E-06	7.44E-05	7.89E-05	5.7E-08	5.2E-08	2.0E-09	1.9E-08	2.1E-08
79	UCART1	571670.55	4177878.99	571670.55, 4177878.99	8.57E-05	2.28816	2.28759	2.32201	0.00315	1.45E-06	5.91E-08	2.76E-06	7.71E-05	8.13E-05	5.7E-08	5.4E-08	2.0E-09	1.9E-08	2.1E-08
80	UCART1	571710.55	4177878.99	571710.55, 4177878.99	8.48E-05	2.19623	2.18729	2.20914	0.00318	1.39E-06	5.65E-08	2.62E-06	7.78E-05	8.19E-05	5.6E-08	5.4E-08	2.0E-09	1.9E-08	2.1E-08
81	UCART1	571750.55	4177878.99	571750.55, 4177878.99	8.31E-05	2.10357	2.08697	2.09858	0.00318	1.33E-06	5.39E-08	2.49E-06	7.78E-05	8.17E-05	5.5E-08	5.4E-08	1.9E-09	1.9E-08	2.1E-08
82	UCART1	571790.55	4177878.99	571790.55, 4177878.99	8.09E-05	2.01114	1.9878	1.99111	0.00312	1.28E-06	5.14E-08	2.36E-06	7.63E-05	8.00E-05	5.4E-08	5.3E-08	1.9E-09	1.9E-08	2.1E-08
83	UCART1	571830.55	4177878.99	571830.55, 4177878.99	7.82E-05	1.9186	1.88977	1.88642	0.00302	1.22E-06	4.89E-08	2.24E-06	7.39E-05	7.74E-05	5.2E-08	5.1E-08	1.8E-09	1.8E-08	2.0E-08
84	UCART1	571870.55	4177878.99	571870.55, 4177878.99	7.50E-05	1.82729	1.79417	1.78571	0.00291	1.16E-06	4.64E-08	2.12E-06	7.12E-05	7.45E-05	5.0E-08	4.9E-08	1.8E-09	1.8E-08	1.9E-08
85	UCART1	570230.55	4177918.99	570230.55, 4177918.99	2.98E-05	1.18937	1.27459	1.29549	0.0006	7.54E-07	3.29E-08	1.54E-06	1.47E-05	1.70E-05	2.0E-08	1.1E-08	7.0E-10	4.0E-09	4.7E-09
86	UCART1	570270.55	4177918.99	570270.55, 4177918.99	3.21E-05	1.27144	1.36835	1.38951	0.00065	8.06E-07	3.54E-08	1.65E-06	1.59E-05	1.84E-05	2.1E-08	1.2E-08	7.5E-10	4.4E-09	5.1E-09
87	UCART1	570310.55	4177918.99	570310.55, 4177918.99	3.46E-05	1.35994	1.46974	1.49803	0.00067	8.62E-07	3.80E-08	1.78E-06	1.64E-05	1.91E-05	2.3E-08	1.3E-08	8.1E-10	4.5E-09	5.3E-09
88	UCART1	570350.55	4177918.99	570350.55, 4177918.99	3.74E-05	1.45092	1.57375	1.61752	0.00067	9.20E-07	4.07E-08	1.92E-06	1.64E-05	1.93E-05	2.5E-08	1.3E-08	8.7E-10	4.6E-09	5.4E-09
89	UCART1	570390.55	4177918.99	570390.55, 4177918.99	4.04E-05	1.54397	1.67953	1.75105	0.00067	9.79E-07	4.34E-08	2.08E-06	1.64E-05	1.95E-05	2.7E-08	1.3E-08	9.4E-10	4.6E-09	5.6E-09
90	UCART1	570430.55	4177918.99	570430.55, 4177918.99	4.35E-05	1.63787	1.7852	1.90142	0.00065	1.04E-06	4.61E-08	2.26E-06	1.59E-05	1.92E-05	2.9E-08	1.3E-08	1.0E-09	4.6E-09	5.6E-09
91	UCART1	570470.55	4177918.99	570470.55, 4177918.99	4.69E-05	1.73258	1.89028	2.07502	0.00063	1.10E-06	4.89E-08	2.46E-06	1.54E-05	1.90E-05	3.1E-08	1.3E-08	1.1E-09	4.5E-09	5.6E-09
92	UCART1	570510.55	4177918.99	570510.55, 4177918.99	5.04E-05	1.82937	1.99605	2.28348	0.00061	1.16E-06	5.16E-08	2.71E-06	1.49E-05	1.89E-05	3.3E-08	1.2E-08	1.2E-09	4.5E-09	5.6E-09
93	UCART1	570550.55	4177918.99	570550.55, 4177918.99	5.40E-05	1.92527	2.09878	2.53326	0.0006	1.22E-06	5.43E-08	3.01E-06	1.47E-05	1.90E-05	3.6E-08	1.3E-08	1.3E-09	4.5E-09	5.7E-09
94	UCART1	570590.55	4177918.99	570590.55, 4177918.99	5.76E-05	2.01921	2.19726	2.83857	0.00059	1.28E-06	5.68E-08	3.37E-06	1.44E-05	1.91E-05	3.8E-08	1.3E-08	1.3E-09	4.5E-09	5.9E-09
95	UCART1	570630.55	4177918.99	570630.55, 4177918.99	6.12E-05	2.10889	2.28926	3.21871	0.00056	1.34E-06	5.92E-08	3.82E-06	1.37E-05	1.89E-05	4.1E-08	1.3E-08	1.4E-09	4.5E-09	5.9E-09
96	UCART1	570670.55	4177918.99	570670.55, 4177918.99	6.47E-05	2.19632	2.37825	3.71661	0.00052	1.39E-06	6.15E-08	4.41E-06	1.27E-05	1.86E-05	4.3E-08	1.2E-08	1.5E-09	4.4E-09	5.9E-09
97	UCART1	570710.55	4177918.99	570710.55, 4177918.99	6.80E-05	2.28216	2.4661	4.40047	0.00047	1.45E-06	6.37E-08	5.23E-06	1.15E-05	1.82E-05	4.5E-08	1.2E-08	1.6E-09	4.3E-09	5.9E-09
98	UCART1	570750.55	4177918.99	570750.55, 4177918.99	7.09E-05	2.36585	2.55345	5.35494	0.00042	1.50E-06	6.60E-08	6.36E-06	1.03E-05	1.82E-05	4.7E-08	1.2E-08	1.7E-09	4.3E-09	6.0E-09
99	UCART1	570790.55	4177918.99	570790.55, 4177918.99	7.35E-05	2.44847	2.64243	6.53692	0.00038	1.55E-06	6.83E-08	7.76E-06	9.30E-06	1.87E-05	4.9E-08	1.2E-08	1.7E-09	4.4E-09	6.1E-09
100	UCART1	570830.55	4177918.99	570830.55, 4177918.99	7.56E-05	2.53302	2.73657	7.60697	0.00037	1.61E-06	7.07E-08	9.04E-06	9.05E-06	1.98E-05	5.0E-08	1.3E-08	1.8E-09	4.7E-09	6.4E-09
101	UCART1	570870.55	4177918.99	570870.55, 4177918.99	7.74E-05	2.62176	2.83763	8.10634	0.00037	1.66E-06	7.34E-08	9.63E-06	9.05E-06	2.04E-05	5.1E-08	1.4E-08	1.8E-09	4.8E-09	6.6E-09
102	UCART1	570910.55	4177918.99	570910.55, 4177918.99	7.86E-05	2.71426	2.94315	7.43587	0.00037	1.72E-06	7.61E-08	8.83E-06	9.05E-06	1.97E-05	5.2E-08	1.3E-08	1.8E-09	4.7E-09	6.5E-09
103	UCART1	570950.55	4177918.99	570950.55, 4177918.99	7.93E-05	2.81162	3.05293	6.54181	0.00038	1.78E-06	7.89E-08	7.77E-06	9.30E-06	1.89E-05	5.2E-08	1.3E-08	1.9E-09	4.5E-09	6.3E-09
104	UCART1	570990.55	4177918.99	570990.55, 4177918.99	8.01E-05	2.9126	3.16422	5.81447	0.00039	1.85E-06	8.18E-08	6.91E-06	9.54E-06	1.84E-05	5.3E-08	1.2E-08	1.9E-09	4.3E-09	6.2E-09
105	UCART1	571030.55	4177918.99	571030.55, 4177918.99	8.11E-05	3.01451	3.2741	5.26149	0.00041	1.91E-06	8.46E-08	6.25E-06	1.00E-05	1.83E-05	5.4E-08	1.2E-08	1.9E-09	4.3E-09	6.2E-09
106	UCART1	571070.55	4177918.99	571070.55, 4177918.99	8.21E-05	3.11417	3.37774	4.84054	0.00043	1.97E-06	8.73E-08	5.75E-06	1.05E-05	1.83E-05	5.4E-08	1.2E-08	1.9E-09	4.3E-09	6.3E-09
107	UCART1	571110.55	4177918.99	571110.55, 4177918.99	8.30E-05	3.20882	3.46964	4.51817	0.00048	2.03E-06	8.97E-08	5.37E-06	1.17E-05	1.92E-05	5.5E-08	1.3E-08	1.9E-09	4.6E-09	6.5E-09
108	UCART1	571150.55	4177918.99	571150.55, 4177918.99	8.37E-05	3.29142	3.53966	4.26571	0.00054	2.09E-06	9.15E-08	5.07E-06	1.32E-05	2.05E-05	5.5E-08	1.4E-08	2.0E-09	4.8E-09	6.8E-09
109	UCART1	571190.55	4177918.99	571190.55, 4177918.99	8.41E-05	3.35396	3.5787	4.06414	0.00062	2.13E-06	9.25E-08	4.83E-06	1.52E-05	2.22E-05	5.6E-08	1.5E-08	2.0E-09	5.3E-09	7.2E-09
110	UCART1	571230.55	4177918.99	571230.55, 4177918.99	8.47E-05	3.38699	3.57932	3.89822	0.00074	2.15E-06	9.25E-08	4.63E-06	1.81E-05	2.50E-05	5.6E-08	1.7E-08	2.0E-09	5.9E-09	7.9E-09
111	UCART1	571270.55	4177918.99	571270.55, 4177918.99	8.57E-05	3.39321	3.54895	3.77137	0.00094	2.15E-06	9.17E-08	4.48E-06	2.30E-05	2.97E-05	5.7E-08	2.0E-08	2.0E-09	7.0E-09	9.0E-09
112	UCART1	571310.55	4177918.99	571310.55, 4177918.99	8.71E-05	3.3651	3.4867	3.66688	0.0012	2.13E-06	9.01E-08	4.36E-06	2.94E-05	3.59E-05	5.8E-08	2.4E-08	2.0E-09	8.5E-09	1.1E-08
113	UCART1	571350.55	4177918.99	571350.55, 4177918.99	8.95E-05	3.30789	3.40123	3.57173	0.00154	2.10E-06	8.79E-08	4.24E-06	3.77E-05	4.41E-05	5.9E-08	2.9E-08	2.1E-09	1.0E-08	1.3E-08

114	UCART1	571390.55	4177918.99	571390.55, 4177918.99	9.07E-05	3.21817	3.29011	3.46836	0.00193	2.04E-06	8.50E-08	4.12E-06	4.72E-05	5.35E-05	6.0E-08	3.5E-08	2.1E-09	1.3E-08	1.5E-08
115	UCART1	571430.55	4177918.99	571430.55, 4177918.99	9.40E-05	3.12654	3.18241	3.36414	0.00236	1.98E-06	8.23E-08	4.00E-06	5.77E-05	6.38E-05	6.2E-08	4.2E-08	2.2E-09	1.5E-08	1.7E-08
116	UCART1	571470.55	4177918.99	571470.55, 4177918.99	9.90E-05	3.04068	3.08269	3.25638	0.00283	1.93E-06	7.97E-08	3.87E-06	6.92E-05	7.51E-05	6.5E-08	5.0E-08	2.3E-09	1.8E-08	2.0E-08
117	UCART1	571510.55	4177918.99	571510.55, 4177918.99	1.02E-04	2.93893	2.96775	3.12347	0.00317	1.86E-06	7.67E-08	3.71E-06	7.76E-05	8.32E-05	6.7E-08	5.5E-08	2.4E-09	2.0E-08	2.2E-08
118	UCART1	571550.55	4177918.99	571550.55, 4177918.99	1.03E-04	2.83099	2.84761	2.9821	0.00345	1.80E-06	7.36E-08	3.54E-06	8.44E-05	8.98E-05	6.8E-08	5.9E-08	2.4E-09	2.1E-08	2.4E-08
119	UCART1	571590.55	4177918.99	571590.55, 4177918.99	1.03E-04	2.72007	2.72456	2.83732	0.00365	1.72E-06	7.04E-08	3.37E-06	8.93E-05	9.45E-05	6.8E-08	6.3E-08	2.4E-09	2.2E-08	2.5E-08
120	UCART1	571630.55	4177918.99	571630.55, 4177918.99	1.03E-04	2.60643	2.5992	2.69134	0.00376	1.65E-06	6.72E-08	3.20E-06	9.20E-05	9.69E-05	6.8E-08	6.4E-08	2.4E-09	2.3E-08	2.5E-08
121	UCART1	571670.55	4177918.99	571670.55, 4177918.99	1.01E-04	2.49142	2.47324	2.5467	0.0038	1.58E-06	6.39E-08	3.02E-06	9.30E-05	9.77E-05	6.7E-08	6.5E-08	2.4E-09	2.3E-08	2.5E-08
122	UCART1	571710.55	4177918.99	571710.55, 4177918.99	9.77E-05	2.37377	2.34629	2.40262	0.00375	1.51E-06	6.07E-08	2.85E-06	9.18E-05	9.62E-05	6.5E-08	6.4E-08	2.3E-09	2.3E-08	2.5E-08
123	UCART1	571750.55	4177918.99	571750.55, 4177918.99	9.42E-05	2.25744	2.22209	2.26349	0.00366	1.43E-06	5.74E-08	2.69E-06	8.96E-05	9.37E-05	6.2E-08	6.2E-08	2.2E-09	2.2E-08	2.4E-08
124	UCART1	571790.55	4177918.99	571790.55, 4177918.99	9.02E-05	2.14277	2.10128	2.12994	0.00353	1.36E-06	5.43E-08	2.53E-06	8.64E-05	9.03E-05	6.0E-08	6.0E-08	2.1E-09	2.1E-08	2.3E-08
125	UCART1	571830.55	4177918.99	571830.55, 4177918.99	8.58E-05	2.02965	1.98386	2.00216	0.00335	1.29E-06	5.13E-08	2.38E-06	8.20E-05	8.57E-05	5.7E-08	5.7E-08	2.0E-09	2.0E-08	2.2E-08
126	UCART1	571870.55	4177918.99	571870.55, 4177918.99	8.13E-05	1.91999	1.87146	1.88178	0.00318	1.22E-06	4.84E-08	2.24E-06	7.78E-05	8.13E-05	5.4E-08	5.4E-08	1.9E-09	1.9E-08	2.1E-08
127	UCART1	570230.55	4177958.99	570230.55, 4177958.99	3.07E-05	1.21367	1.29867	1.33829	0.00063	7.70E-07	3.36E-08	1.59E-06	1.54E-05	1.78E-05	2.0E-08	1.2E-08	7.2E-10	4.2E-09	4.9E-09
128	UCART1	570270.55	4177958.99	570270.55, 4177958.99	3.32E-05	1.30611	1.40488	1.44183	0.0007	8.28E-07	3.63E-08	1.71E-06	1.71E-05	1.97E-05	2.2E-08	1.3E-08	7.8E-10	4.7E-09	5.4E-09
129	UCART1	570310.55	4177958.99	570310.55, 4177958.99	3.60E-05	1.4032	1.51693	1.55479	0.00075	8.90E-07	3.92E-08	1.85E-06	1.84E-05	2.11E-05	2.4E-08	1.4E-08	8.4E-10	5.0E-09	5.8E-09
130	UCART1	570350.55	4177958.99	570350.55, 4177958.99	3.91E-05	1.50941	1.64007	1.68808	0.00077	9.57E-07	4.24E-08	2.01E-06	1.88E-05	2.18E-05	2.6E-08	1.4E-08	9.2E-10	5.2E-09	6.1E-09
131	UCART1	570390.55	4177958.99	570390.55, 4177958.99	4.26E-05	1.61993	1.76815	1.83774	0.00077	1.03E-06	4.57E-08	2.18E-06	1.88E-05	2.21E-05	2.8E-08	1.5E-08	1.0E-09	5.2E-09	6.2E-09
132	UCART1	570430.55	4177958.99	570430.55, 4177958.99	4.62E-05	1.73071	1.89569	2.00191	0.00076	1.10E-06	4.90E-08	2.38E-06	1.86E-05	2.21E-05	3.1E-08	1.5E-08	1.1E-09	5.2E-09	6.3E-09
133	UCART1	570470.55	4177958.99	570470.55, 4177958.99	5.02E-05	1.85057	2.03291	2.20534	0.00073	1.17E-06	5.26E-08	2.62E-06	1.79E-05	2.17E-05	3.3E-08	1.4E-08	1.2E-09	5.1E-09	6.3E-09
134	UCART1	570510.55	4177958.99	570510.55, 4177958.99	5.46E-05	1.97346	2.17175	2.44902	0.00071	1.25E-06	5.61E-08	2.91E-06	1.74E-05	2.16E-05	3.6E-08	1.4E-08	1.3E-09	5.1E-09	6.4E-09
135	UCART1	570550.55	4177958.99	570550.55, 4177958.99	5.90E-05	2.09557	2.30712	2.74112	0.00069	1.33E-06	5.96E-08	3.26E-06	1.69E-05	2.15E-05	3.9E-08	1.4E-08	1.4E-09	5.1E-09	6.5E-09
136	UCART1	570590.55	4177958.99	570590.55, 4177958.99	6.37E-05	2.21682	2.43824	3.1067	0.00068	1.41E-06	6.30E-08	3.69E-06	1.66E-05	2.18E-05	4.2E-08	1.4E-08	1.5E-09	5.2E-09	6.6E-09
137	UCART1	570630.55	4177958.99	570630.55, 4177958.99	6.85E-05	2.33548	2.56308	3.58302	0.00065	1.48E-06	6.63E-08	4.26E-06	1.59E-05	2.17E-05	4.5E-08	1.4E-08	1.6E-09	5.1E-09	6.7E-09
138	UCART1	570670.55	4177958.99	570670.55, 4177958.99	7.32E-05	2.45265	2.68415	4.24777	0.00061	1.56E-06	6.94E-08	5.05E-06	1.49E-05	2.16E-05	4.8E-08	1.4E-08	1.7E-09	5.1E-09	6.8E-09
139	UCART1	570710.55	4177958.99	570710.55, 4177958.99	7.79E-05	2.56774	2.80189	5.2673	0.00054	1.63E-06	7.24E-08	6.26E-06	1.32E-05	2.12E-05	5.2E-08	1.4E-08	1.8E-09	5.0E-09	6.8E-09
140	UCART1	570750.55	4177958.99	570750.55, 4177958.99	8.25E-05	2.67913	2.91633	7.07784	0.00049	1.70E-06	7.54E-08	8.41E-06	1.20E-05	2.22E-05	5.5E-08	1.5E-08	1.9E-09	5.2E-09	7.2E-09
141	UCART1	570790.55	4177958.99	570790.55, 4177958.99	8.72E-05	2.78672	3.02937	11.35157	0.00044	1.77E-06	7.83E-08	1.35E-05	1.08E-05	2.61E-05	5.8E-08	1.7E-08	2.0E-09	6.2E-09	8.2E-09
142	UCART1	570830.55	4177958.99	570830.55, 4177958.99	9.09E-05	2.89589	3.14841	13.33992	0.00042	1.84E-06	8.14E-08	1.58E-05	1.03E-05	2.80E-05	6.0E-08	1.9E-08	2.1E-09	6.6E-09	8.8E-09
143	UCART1	570870.55	4177958.99	570870.55, 4177958.99	9.55E-05	3.00731	3.2745	16.02658	0.00041	1.91E-06	8.46E-08	1.90E-05	1.00E-05	3.11E-05	6.3E-08	2.1E-08	2.2E-09	7.3E-09	9.6E-09
144	UCART1	570910.55	4177958.99	570910.55, 4177958.99	9.63E-05	3.12219	3.40647	11.02445	0.00041	1.98E-06	8.81E-08	1.31E-05	1.00E-05	2.52E-05	6.4E-08	1.7E-08	2.3E-09	6.0E-09	8.2E-09
145	UCART1	570950.55	4177958.99	570950.55, 4177958.99	9.71E-05	3.24363	3.54535	8.56381	0.00042	2.06E-06	9.16E-08	1.02E-05	1.03E-05	2.26E-05	6.4E-08	1.5E-08	2.3E-09	5.3E-09	7.6E-09
146	UCART1	570990.55	4177958.99	570990.55, 4177958.99	9.79E-05	3.37071	3.68761	7.14551	0.00043	2.14E-06	9.53E-08	8.49E-06	1.05E-05	2.12E-05	6.5E-08	1.4E-08	2.3E-09	5.0E-09	7.3E-09
147	UCART1	571030.55	4177958.99	571030.55, 4177958.99	9.92E-05	3.4998	3.82743	6.24299	0.00045	2.22E-06	9.89E-08	7.42E-06	1.10E-05	2.07E-05	6.6E-08	1.4E-08	2.3E-09	4.9E-09	7.2E-09
148	UCART1	571070.55	4177958.99	571070.55, 4177958.99	1.00E-04	3.62651	3.9587	5.63095	0.00049	2.30E-06	1.02E-07	6.69E-06	1.20E-05	2.11E-05	6.6E-08	1.4E-08	2.3E-09	5.0E-09	7.3E-09
149	UCART1	571110.55	4177958.99	571110.55, 4177958.99	1.02E-04	3.74548	4.07164	5.20167	0.00056	2.38E-06	1.05E-07	6.18E-06	1.37E-05	2.24E-05	6.7E-08	1.5E-08	2.4E-09	5.3E-09	7.7E-09
150	UCART1	571150.55	4177958.99	571150.55, 4177958.99	1.03E-04	3.8448	4.1491	4.88594	0.00065	2.44E-06	1.07E-07	5.80E-06	1.59E-05	2.43E-05	6.8E-08	1.6E-08	2.4E-09	5.7E-09	8.1E-09
151	UCART1	571190.55	4177958.99	571190.55, 4177958.99	1.04E-04	3.91231	4.17895	4.64475	0.00078	2.48E-06	1.08E-07	5.52E-06	1.91E-05	2.72E-05	6.9E-08	1.8E-08	2.4E-09	6.4E-09	8.9E-09
152	UCART1	571230.55	4177958.99	571230.55, 4177958.99	1.05E-04	3.94102	4.15993	4.45987	0.00102	2.50E-06	1.08E-07	5.30E-06	2.50E-05	3.29E-05	7.0E-08	2.2E-08	2.5E-09	7.8E-09	1.0E-08
153	UCART1	571270.55	4177958.99	571270.55, 4177958.99	1.08E-04	3.9303	4.10005	4.32437	0.00132	2.49E-06	1.06E-07	5.14E-06	3.23E-05	4.00E-05	7.1E-08	2.6E-08	2.5E-09	9.5E-09	1.2E-08
154	UCART1	571310.55	4177958.99	571310.55, 4177958.99	1.11E-04	3.87412	4.00192	4.21335	0.00174	2.46E-06	1.03E-07	5.00E-06	4.26E-05	5.01E-05	7.3E-08	3.3E-08	2.6E-09	1.2E-08	1.4E-08
155	UCART1	571350.55	4177958.99	571350.55, 4177958.99	1.15E-04	3.78598	3.8815	4.11538	0.00226	2.40E-06	1.00E-07	4.89E-06	5.53E-05	6.27E-05	7.6E-08	4.1E-08	2.7E-09	1.5E-08	1.8E-08
156	UCART1	571390.55	4177958.99	571390.55, 4177958.99	1.19E-04	3.67169	3.74326	4.01086	0.00283	2.33E-06	9.68E-08	4.76E-06	6.92E-05	7.64E-05	7.8E-08	5.1E-08	2.8E-09	1.8E-08	2.1E-08
157	UCART1	571430.55	4177958.99	571430.55, 4177958.99	1.23E-04	3.55116	3.60266	3.88884	0.00338	2.25E-06	9.31E-08	4.62E-06	8.27E-05	8.97E-05	8.1E-08	5.9E-08	2.9E-09	2.1E-08	2.4E-08
158	UCART1	571470.55	4177958.99	571470.55, 4177958.99	1.26E-04	3.4241	3.45664	3.73854	0.00381	2.17E-06	8.94E-08	4.44E-06	9.32E-05	9.99E-05	8.3E-08	6.6E-08	2.9E-09	2.4E-08	2.7E-08
159	UCART1	571510.55	4177958.99	571510.55, 4177958.99	1.27E-04	3.28919	3.30334	3.56459	0.00418	2.09E-06	8.54E-08	4.23E-06	1.02E-04	1.09E-04	8.4E-08	7.2E-08	3.0E-09	2.6E-08	2.9E-08
160	UCART1	571550.55	4177958.99	571550.55, 4177958.99	1.27E-04	3.14705	3.14414	3.37788	0.00441	2.00E-06	8.13E-08	4.01E-06	1.08E-04	1.14E-04	8.4E-08	7.5E-08	3.0E-09	2.7E-08	3.0E-08
161	UCART1	571590.55	4177958.99	571590.55, 4177958.99	1.24E-04	3.00076	2.98205	3.18413	0.00454	1.90E-06	7.71E-08	3.78E-06	1.11E-04	1.17E-04	8.2E-08	7.7E-08	2.9E-09	2.8E-08	3.1E-08
162	UCART1	571630.55	4177958.99	571630.55, 4177958.99	1.21E-04	2.85341	2.82029	2.98955	0.00454	1.81E-06	7.29E-08	3.55E-06	1.11E-04	1.17E-04	8.0E-08	7.7E-08	2.8E-09	2.8E-08	3.0E-08
163	UCART1	571670.55	4177958.99	571670.55, 4177958.99	1.16E-04	2.70336	2.65888	2.79557	0.00446	1.71E-06	6.87E-08	3.32E-06	1.09E-04	1.14E-04	7.7E-08	7.6E-08	2.7E-09	2.7E-08	3.0E-08
164	UCART1	571710.55	4177958.99	571710.55, 4177958.99	1.11E-04	2.55329	2.50021	2.60713	0.00432	1.62E-06	6.46E-08	3.10E-06	1.06E-04	1.10E-04	7.3E-08	7.3E-08	2.6E-09	2.6E-08	2.9E-08
165	UCART1	571750.55	4177958.99	571750.55, 4177958.99	1.05E-04	2.40794	2.3486	2.43012	0.00412	1.53E-06	6.07E-08	2.89E-06	1.01E-04	1.05E-04	6.9E-08	7.0E-08	2.5E-09	2.5E-08	2.7E-08
166	UCART1	571790.55	4177958.99	571790.55, 4177958.99	9.87E-05	2.26701	2.20384	2.2647	0.0039	1.44E-06	5.70E-08	2.69E-06	9.54E-05	9.96E-05	6.5E-08	6.6E-08	2.3E-09	2.4E-08	2.6E-08
167	UCART1	571830.55	4177958.99	571830.55, 4177958.99	9.26E-05	2.13167	2.06674	2.11162	0.00367	1.35E-06	5.34E-08	2.51E-06	8.98E-05	9.37E-05	6.1E-08	6.2E-08	2.2E-09	2.2E-08	2.4E-08
168	UCART1	571870.55	4177958.99	571870.55, 4177958.99	8.67E-05	2.00295	1.93788	1.97095	0.00343	1.27E-06	5.01E-08	2.34E-06	8.39E-05	8.76E-05	5.7E-08	5.8E-08	2.0E-09	2.1E-08	2.3E-08
169	UCART1	570230.55	4177998.99	570230.55, 4177998.99	3.15E-05	1.2289	1.31113	1.37652	0.00064	7.79E-07	3.39E-08	1.63E-06	1.57E-05	1.81E-05	2.1E-08	1.2E-08	7.4E-10	4.3E-09	5.0E-09
170	UCART1	570270.55	4177998.99	570270.55, 4177998.99	3.43E-05	1.33076	1.42813	1.48982	0.00073	8.44E-07	3.69E-08	1.77E-06	1.79E-05	2.05E-05	2.3E-08	1.4E-08	8.0E-10	4.9E-09	5.7E-09
171	UCART1	570310.55	4177998.99	570310.55, 4177998.99	3.74E-05	1.44056	1.55538	1.61552	0.0008	9.13E-07	4.02E-08	1.92E-06	1.96E-05	2.24E-05	2.5E-08	1.5E-08	8.7E-10	5.3E-09	6.2E-09
172	UCART1	570350.55	4177998.99	570350.55, 4177998.99	4.08E-05	1.55795	1.69239	1.75609	0.00087	9.88E-07	4.37E-08	2.09E-06	2.13E-05	2.44E-05	2.7E-08	1.6E-08	9.5E-10	5.8E-09	6.7E-09
173	UCART1	570390.55	4177998.99	570390.55, 4177998.99	4.46E-05	1.68376	1.84003	1.9174	0.00089	1.07E-06	4.76E-08	2.28E-06	2.18E-05	2.52E-05	3.0E-08	1.7E-08	1.0E-09	6.0E-09	7.0E-09
174	UCART1	570430.55	4177998.99	570430.55, 4177998.99	4.89E-05	1.81908	1.99922	2.10776	0.00089	1.15E-06	5.17E-08	2.50E-06	2.18E-05	2.55E-05	3.2E-08	1.7E-08	1.1E-09	6.0E-09	7.2E-09
175	UCART1	570470.55	4177998.99	570470.55, 4177998.99	5.37E-05	1.96565	2.1715	2.34065	0.00087	1.25E-06	5.61E-08	2.78E-06	2.13E-05	2.54E-05	3.6E-08	1.7E-08	1.3E-09	6.0E-09	7.3E-09
176	UCART1	570510.55	4177998.99	570510.55, 4177998.99	5.88E-05	2.11487	2.34559	2.61297	0.00084	1.34E-06	6.06E-08	3.10E-06	2.06E-05	2.51E-05	3.9E-08	1.7E-08	1.4E-09	5.9E-09	7.3E-09
177	UCART1	570550.55	4177998.99	570550.55, 4177998.99	6.42E-05	2.26787	2.5217	2.94778	0.00081	1.44E-06	6.52E-08	3.50E-06	1.98E-05	2.48E-05	4.2E-08	1.6E-08	1.5E-09	5.9E-09	7.4E-09
178	UCART1	570590.55	4177998.99	570590.55, 4177998.99	7.02E-05	2.42501	2.69809	3.37727	0.00078	1.54E-06	6.97E-08	4.01E-06	1.91E-05	2.47E-05	4.6E-08	1.6E-08	1.6E-09	5.8E-09	7.5E-09
179	UCART1	570630.55	4177998.99	570630.55, 4177998.99	7.65E-05	2.58232	2.87017	3.95241	0.00076	1.64E-06	7.42E-08	4.69E-06	1.86E-05	2.50E-05	5.1E-08	1.7E-08	1.8E-09	5.9E-09	7.7E-09
180	UCART1	570670.55	4177998.99	570670.55, 4177998.99	8.29E-05	2.7407	3.03923	4.78415	0.00071	1.74E-06	7.86E-08	5.68E-06	1.74E-05	2.49E-05	5.5E-08	1.6E-08	1.9E-09	5.9E-09	7.8E-09
181	UCART1	570710.55	4177998.99	570710.55, 4177998.99	8.95E-05	2.89777	3.20306	6.12165	0.00064	1.84E-06	8.28E-08	7.27E-06	1.57E-05	2.49E-05	5.9E-08	1.6E-08	2.1E-09	5.9E-09	8.0E-09
182	UCART1	570750.55	4177998.99	570750.55, 4177998.99	9.63E-05	3.05054	3.35985	8.72422	0.00057	1.93E-06	8.69E-08	1.04E-05	1.39E-05	2.63E-05	6.4E-08	1.7E-08	2.3E-09	6.2E-09	8.5E-09
183	UCART1	570790.55	4177998.99	570790.55, 4177998.99	1.04E-04	3.19836	3.51233	16.00794	0.00051	2.03E-06	9.08E-08	1.90E-05	1.25E-05	3.36E-05	6.9E-08	2.2E-08	2.4E-09	8.0E-09	1.0E-08
184	UCART1	570830.55	4177998.99	570830.55, 4177998.99	1.12E-04	3.34554	3.6687	20.10375	0.00048	2.12E-06	9.48E-08	2.39E-05	1.17E-05	3.78E-05	7.4E-08	2.5E-08	2.6E-09	9.0E-09	1.2E-08
185	UCART1	570870.55	4177998.99	570870.55, 4177998.99	1.19E-04	3.49112	3.82999	23.01952	0.00046	2.21E-06	9.90E-08	2.73E-05	1.13E-05	4.09E-05	7.9E-08	2.7E-08	2.8E-09	9.7E-09	1.2E-08
186	UCART1	570910.55	4177998.99	570910.55, 4177998.99	1.20E-04	3.63845	3.99873	14.44649	0.00046	2.31E-06	1.03E-07	1.72E-05	1.13E-05	3.08E-05	7.9E-08	2.0E-08	2.8E-09	7.3E-09	1.0E-08
187	UCART1	570950.55	4177998.99	570950.55, 4177998.99	1.21E-04	3.79318	4.17778	10.56728	0.00047	2.41E-06	1.08E-07	1.26E-05	1.15E-05	2.66E-05	8.0E-08	1.8E-08	2.8E-09	6.3E-09	9.1E-09
188	UCART1	570990.55	4177998.99	570990.55, 4177998.99	1.23E-04	3.95617	4.36297	8.49099	0.00048	2.51E-06	1.13E-07	1.01E-05	1.17E-05	2.45E-05	8.1E-08	1.6E-08	2.9E-09	5.8E-09	8.7E-09
189	UCART1	571030.55	4177998.99	571030.55, 4177998.99	1.24E-04	4.1231	4.54556	7.25155	0.00051	2.61E-06	1.18E-07	8.61E-06	1.25E-05	2.38E-05	8.2E-08	1.6E-08	2.9E-09	5.6E-09	8.5E-09
190	UCART1	571070.55	4177998.99	571070.55, 4177998.99	1.26E-04	4.2889	4.71749	6.46589	0.00059	2.72E-06	1.22E-07	7.68E-06	1.44E-05	2.50E-05	8.3E-08	1.7E-08	2.9E-09	5.9E-09	8.8E-09
191	UCART1	571110.55	4177998.99	571110.55, 4177998.99	1.25E-04	4.42544	4.84113	5.92758	0.00068	2.81E-06	1.25E-07	7.04E-06	1.66E-05	2.66E-05	8.3E-08	1.8E-08	2.9E-09	6.3E-09	9.2E-09
192	UCART1	571150.55	4177998.99	571150.55, 4177998.99	1.29E-04	4.56107	4.93835	5.59055	0.00083	2.89E-06	1.28E-07	6.64E-06	2.03E-05	3.00E-05	8.6E-08	2.0E-08	3.0E-09	7.1E-09	1.0E-08
193	UCART1	571190.55	4177998.99	571190.55, 4177998.99	1.32E-04	4.63429	4.95051	5.33909	0.00109	2.94E-06	1.28E-07	6.34E-06	2.67E-05	3.61E-05	8.7E-08	2.4E-08	3.1E-09	8.5E-09	1.2E-08
194	UCART1	571230.55	4177998.99	571230.55, 4177998.99	1.36E-04	4.65159	4.89817	5.16803	0.00145	2.95E-06	1.27E-07	6.14E-06	3.55E-05	4.47E-05	9.0E-08	3.0E-08	3.2E-09	1.1E-08	1.4E-08
195	UCART1	571270.55	4177998.99	571270.55, 4177998.99	1.41E-04	4.60695	4.78909	5.04218	0.00196	2.92E-06	1.24E-07	5.99E-06	4.80E-05	5.70E-05	9.3E-08	3.8E-08	3.3E-09	1.3E-08	1.7E-08
196	UCART1	571310.55	4177998.99	571310.55, 4177998.99	1.47E-04	4.50992	4.64144	4.94467	0.00261	2.86E-06	1.20E-07	5.87E-06	6.39E-05	7.27E-05	9.7E-08	4.8E-08	3.4E-09	1.7E-08	2.1E-08
197	UCART1	571350.55	4177998.99	571350.55, 4177998.99	1.53E-04	4.37901	4.47207	4.86003	0.00335	2.78E-06	1.16E-07	5.77E-06	8.20E-05	9.06E-05	1.0E-07	6.0E-08	3.6E-09	2.1E-08	2.5E-08
198	UCART1	571390.55	4177998.99	571390.55, 4177998.99	1.57E-04	4.22418	4.28665	4.76078	0.00405	2.68E-06	1.11E-07	5.65E-06	9.91E-05	1.08E-04	1.0E-07	7.1E-08	3.7E-09	2.5E-08	2.9E-08
199	UCART1	571430.55	4177998.99	571430.55, 4177998.99	1.60E-04	4.05349	4.0887	4.60593	0.00462	2.57E-06	1.06E-07	5.47E-06	1.13E-04	1.21E-04	1.1E-07	8.0E-08	3.7E-09	2.9E-08	3.2E-08
200	UCART1	571470.55	4177998.99	571470.55, 4177998.99	1.60E-04	3.87864	3.88631	4.3985	0.00507	2.46E-06	1.00E-07	5.22E-06	1.24E-04	1.32E-04	1.1E-07	8.7E-08	3.7E-09	3.1E-08	3.5E-08
201	UCART1	571510.55	4177998.99	571510.55, 4177998.99	1.58E-04	3.69249	3.67518	4.15049	0.00535	2.34E-06	9.50E-08	4.93E-06	1.31E-04	1.38E-04	1.0E-07	9.1E-08	3.7E-09	3.3E-08	3.6E-08
202	UCART1	571550.55	4177998.99	571550.55, 4177998.99	1.53E-04	3.49843	3.4598	3.87681	0.00547	2.22E-06	8.94E-08	4.60E-06	1.34E-04	1.41E-04	1.0E-07	9.3E-08	3.6E-09	3.3E-08	3.7E-08
203	UCART1	571590.55	4177998.99	571590.55, 4177998.99	1.47E-04	3.30358	3.24654	3.59501	0.00544	2.09E-06	8.39E-08	4.27E-06	1.33E-04	1.40E-04	9.7E-08	9.2E-08	3.4E-09	3.3E-08	3.6E-08
204	UCART1	571630.55	4177998.99	571630.55, 4177998.99	1.39E-04	3.10778	3.03704	3.31625	0.00531	1.97E-06	7.85E-08	3.94E-06	1.30E-04	1.36E-04	9.2E-08	9.0E-08	3.3E-09	3.2E-08	3.5E-08
205	UCART1	571670.55	4177998.99	571670.55, 4177998.99	1.31E-04	2.91364	2.83404	3.05133	0.0051	1.85E-06	7.33E-08	3.62E-06	1.25E-04	1.30E-04	8.7E-08	8.6E-08	3.1E-09	3.1E-08	3.4E-08
206	UCART1	571710.55	4177998.99	571710.55, 4177998.99	1.23E-04	2.7251	2.64032	2.80659	0.00484	1.73E-06	6.83E-08	3.33E-06	1.18E-04	1.24E-04	8.1E-08	8.2E-08	2.9E-09	2.9E-08	3.2E-08
207	UCART1	571750.55	4177998.99	571750.55, 4177998.99	1.14E-04	2.54672	2.45972	2.58618	0.00452	1.61E-06	6.36E-08	3.07E-06	1.11E-04	1.15E-04	7.6E-08	7.6E-08	2.7E-09	2.7E-08	3.0E-08
208	UCART1	571790.55	4177998.99	571790.55, 4177998.99	1.06E-04	2.37776	2.29107	2.38767	0.00422	1.51E-06	5.92E-08	2.84E-06	1.03E-04	1.08E-04	7.0E-08	7.1E-08	2.5E-09	2.5E-08	2.8E-08
209	UCART1	571830.55	4177998.99	571830.55, 4177998.99	9.85E-05	2.21963	2.13505	2.20992	0.00393	1.41E-06	5.52E-08	2.62E-06	9.62E-05	1.00E-04	6.5E-08	6.6E-08	2.3E-09	2.4E-08	2.6E-08
210	UCART1	571870.55	4177998.99	571870.55, 4177998.99	9.13E-05	2.07269	1.99144	2.05084	0.00365	1.31E-06	5.15E-08	2.44E-06	8.93E-05	9.31E-05	6.0E-08	6.2E-08	2.1E-09	2.2E-08	2.4E-08
211	UCART1	570230.55	4178038.99	570230.55, 4178038.99	3.22E-05	1.23629	1.31389	1.41124	0.00061	7.84E-07	3.40E-08	1.68E-06	1.49E-05	1.74E-05	2.1E-08	1.2E-08	7.5E-10	4.1E-09	4.9E-09
212	UCART1	570270.55	4178038.99	570270.55, 4178038.99	3.52E-05	1.34549	1.43855	1.53295	0.00073	8.53E-07	3.72E-08	1.82E-06	1.79E-05	2.06E-05	2.3E-08	1.4E-08	8.2E-10	4.9E-09	5.7E-09
213	UCART1	570310.55	4178038.99	570310.55, 4178038.99	3.85E-05	1.46555	1.57728	1.66952	0.00084	9.29E-07	4.08E-08	1.98E-06	2.06E-05	2.35E-05	2.5E-08	1.6E-08	9.0E-10	5.6E-09	6.5E-09
214	UCART1	570350.55	4178038.99	570350.55, 4178038.99	4.23E-05	1.59729	1.73131	1.82498	0.00093	1.01E-06	4.48E-08	2.17E-06	2.28E-05	2.60E-05	2.8E-08	1.7E-08	9.9E-10	6.1E-09	7.1E-09
215	UCART1	570390.55	4178038.99	570390.55, 4178038.99	4.66E-05	1.73944	1.89916	2.00087	0.00101	1.10E-06	4.91E-08	2.38E-06	2.47E-05	2.82E-05	3.1E-08	1.9E-08	1.1E-09	6.7E-09	7.8E-09
216	UCART1	570430.55	4178038.99	570430.55, 4178038.99	5.15E-05	1.89716	2.08709	2.21336	0.00103	1.20E-06	5.40E-08	2.63E-06	2.52E-05	2.91E-05	3.4E-08	1.9E-08	1.2E-09	6.9E-09	8.1E-09
217	UCART1	570470.55	4178038.99	570470.55, 4178038.99	5.70E-05	2.06848	2.29235	2.46931	0.00104	1.31E-06	5.93E-08	2.93E-06	2.54E-05	2.98E-05	3.8E-08	2.0E-08	1.3E-09	7.0E-09	8.4E-09
218	UCART1	570510.55	4178038.99	570510.55, 4178038.99	6.30E-05	2.24854	2.50842	2.77472	0.00101	1.43E-06	6.48E-08	3.30E-06	2.47E-05	2.95E-05	4.2E-08	2.0E-08	1.5E-09	7.0E-09	8.5E-09
219	UCART1	570550.55	4178038.99	570550.55, 4178038.99	6.96E-05	2.43803	2.73425	3.15424	0.00097	1.55E-06	7.07E-08	3.75E-06	2.37E-05	2.91E-05	4.6E-08	1.9E-08	1.6E-09	6.9E-09	8.5E-09
220	UCART1	570590.55	4178038.99	570590.55, 4178038.99	7.72E-05	2.63782	2.96805	3.64802	0.00092	1.67E-06	7.67E-08	4.33E-06	2.25E-05	2.86E-05	5.1E-08	1.9E-08	1.8E-09	6.8E-09	8.6E-09
221	UCART1	570630.55	4178038.99	570630.55, 4178038.99	8.52E-05	2.84331	3.20362	4.32133	0.00089	1.80E-06	8.28E-08	5.13E-06	2.18E-05	2.88E-05	5.6E-08	1.9E-08	2.0E-09	6.8E-09	8.8E-09
222	UCART1	570670.55	4178038.99	570670.55, 4178038.99	9.37E-05	3.05556	3.44094	5.31482	0.00084	1.94E-06	8.89E-08	6.31E-06	2.06E-05	2.89E-05	6.2E-08	1.9E-08	2.2E-09	6.8E-09	9.0E-09
223	UCART1	570710.55	4178038.99	570710.55, 4178038.99	1.03E-04	3.27096	3.67448	6.94561	0.00076	2.07E-06	9.50E-08	8.25E-06	1.86E-05	2.90E-05	6.8E-08	1.9E-08	2.4E-09	6.9E-09	9.3E-09
224	UCART1	570750.55	4178038.99	570750.55, 4178038.99	1.13E-04	3.48556	3.90025	10.13567	0.00067	2.21E-06	1.01E-07	1.20E-05	1.64E-05	3.07E-05	7.4E-08	2.0E-08	2.6E-09	7.3E-09	9.9E-09
225	UCART1	570790.55	4178038.99	570790.55, 4178038.99	1.24E-04	3.69653	4.11835	18.5462	0.0006	2.34E-06	1.06E-07	2.20E-05	1.47E-05	3.92E-05	8.2E-08	2.6E-08	2.9E-09	9.3E-09	1.2E-08
226	UCART1	570830.55	4178038.99	570830.55, 4178038.99	1.35E-04	3.90498	4.33555	22.95233	0.00055	2.48E-06	1.12E-07	2.73E-05	1.35E-05	4.33E-05	8.9E-08	2.9E-08	3.2E-09	1.0E-08	1.3E-08
227	UCART1	570870.55	4178038.99	570870.55, 4178038.99	1.46E-04	4.10726	4.55288	25.02321	0.00051	2.60E-06	1.18E-07	2.97E-05	1.25E-05	4.49E-05	9.7E-08	3.0E-08	3.4E-09	1.1E-08	1.4E-08
228	UCART1	570910.55	4178038.99	570910.55, 4178038.99	1.51E-04	4.30629	4.7763	15.9521	0.00051	2.73E-06	1.23E-07	1.89E-05	1.25E-05	3.43E-05	1.0E-07	2.3E-08	3.5E-09	8.1E-09	1.2E-08
229	UCART1	570950.55	4178038.99	570950.55, 4178038.99	1.55E-04	4.50945	5.01193	11.73304	0.00052	2.86E-06	1.30E-07	1.39E-05	1.27E-05	2.96E-05	1.0E-07	2.0E-08	3.6E-09	7.0E-09	1.1E-08
230	UCART1	570990.55	4178038.99	570990.55, 4178038.99	1.59E-04	4.72393	5.2599	9.44343	0.00054	3.00E-06	1.36E-07	1.12E-05	1.32E-05	2.76E-05	1.1E-07	1.8E-08	3.7E-09	6.5E-09	1.0E-08
231	UCART1	571030.55	4178038.99	571030.55, 4178038.99	1.61E-04	4.94886	5.5097	8.07939	0.00059	3.14E-06	1.42E-07	9.60E-06	1.44E-05	2.73E-05	1.1E-07	1.8E-08	3.8E-09	6.5E-09	1.0E-08
232	UCART1	571070.55	4178038.99	571070.55, 4178038.99	1.62E-04	5.16472	5.73235	7.21846	0.00071	3.28E-06	1.48E-07	8.57E-06	1.74E-05	2.94E-05	1.1E-07	1.9E-08	3.8E-09	6.9E-09	1.1E-08
233	UCART1	571110.55	4178038.99	571110.55, 4178038.99	1.56E-04	5.3229	5.88545	6.58644	0.00085	3.38E-06	1.52E-07	7.82E-06	2.08E-05	3.21E-05	1.0E-07	2.1E-08	3.6E-09	7.6E-09	1.1E-08
234	UCART1	571150.55	4178038.99	571150.55, 4178038.99	1.69E-04	5.50826	5.98154	6.34167	0.00115	3.49E-06	1.55E-07	7.53E-06	2.81E-05	3.93E-05	1.1E-07	2.6E-08	3.9E-09	9.3E-09	1.3E-08
235	UCART1	571190.55	4178038.99	571190.55, 4178038.99	1.78E-04	5.58877	5.96278	6.14803	0.00158	3.54E-06	1.54E-07	7.30E-06	3.87E-05	4.97E-05	1.2E-07	3.3E-08	4.2E-09	1.2E-08	1.6E-08
236	UCART1	571230.55	4178038.99	571230.55, 4178038.99	1.86E-04	5.57588	5.84926	6.06014	0.00221	3.54E-06	1.51E-07	7.20E-06	5.41E-05	6.50E-05	1.2E-07	4.3E-08	4.4E-09	1.5E-08	2.0E-08

237	UCART1	571270.55	4178038.99	571270.55, 4178038.99	1.95E-04	5.47983	5.66981	6.02578	0.0031	3.47E-06	1.47E-07	7.16E-06	7.59E-05	8.66E-05	1.3E-07	5.7E-08	4.6E-09	2.0E-08	2.5E-08
238	UCART1	571310.55	4178038.99	571310.55, 4178038.99	2.03E-04	5.32258	5.44943	6.00557	0.00407	3.38E-06	1.41E-07	7.13E-06	9.96E-05	1.10E-04	1.3E-07	7.3E-08	4.8E-09	2.6E-08	3.1E-08
239	UCART1	571350.55	4178038.99	571350.55, 4178038.99	2.08E-04	5.12597	5.20222	5.98335	0.00492	3.25E-06	1.34E-07	7.11E-06	1.20E-04	1.31E-04	1.4E-07	8.7E-08	4.9E-09	3.1E-08	3.6E-08
240	UCART1	571390.55	4178038.99	571390.55, 4178038.99	2.09E-04	4.90269	4.93458	5.91275	0.00566	3.11E-06	1.28E-07	7.02E-06	1.38E-04	1.49E-04	1.4E-07	9.8E-08	4.9E-09	3.5E-08	4.0E-08
241	UCART1	571430.55	4178038.99	571430.55, 4178038.99	2.06E-04	4.66062	4.65207	5.70498	0.00619	2.96E-06	1.20E-07	6.78E-06	1.51E-04	1.61E-04	1.4E-07	1.1E-07	4.8E-09	3.8E-08	4.3E-08
242	UCART1	571470.55	4178038.99	571470.55, 4178038.99	2.00E-04	4.40592	4.36102	5.3661	0.00651	2.79E-06	1.13E-07	6.37E-06	1.59E-04	1.69E-04	1.3E-07	1.1E-07	4.7E-09	4.0E-08	4.5E-08
243	UCART1	571510.55	4178038.99	571510.55, 4178038.99	1.91E-04	4.14077	4.0668	4.9371	0.00662	2.63E-06	1.05E-07	5.86E-06	1.62E-04	1.71E-04	1.3E-07	1.1E-07	4.5E-09	4.0E-08	4.5E-08
244	UCART1	571550.55	4178038.99	571550.55, 4178038.99	1.81E-04	3.87427	3.77795	4.47758	0.00655	2.46E-06	9.77E-08	5.32E-06	1.60E-04	1.68E-04	1.2E-07	1.1E-07	4.2E-09	4.0E-08	4.4E-08
245	UCART1	571590.55	4178038.99	571590.55, 4178038.99	1.69E-04	3.61011	3.49917	4.03632	0.00636	2.29E-06	9.05E-08	4.79E-06	1.56E-04	1.63E-04	1.1E-07	1.1E-07	4.0E-09	3.9E-08	4.2E-08
246	UCART1	571630.55	4178038.99	571630.55, 4178038.99	1.57E-04	3.35414	3.23526	3.6387	0.00605	2.13E-06	8.36E-08	4.32E-06	1.48E-04	1.55E-04	1.0E-07	1.0E-07	3.7E-09	3.7E-08	4.0E-08
247	UCART1	571670.55	4178038.99	571670.55, 4178038.99	1.45E-04	3.10893	2.98772	3.28954	0.00568	1.97E-06	7.72E-08	3.91E-06	1.39E-04	1.45E-04	9.6E-08	9.6E-08	3.4E-09	3.4E-08	3.8E-08
248	UCART1	571710.55	4178038.99	571710.55, 4178038.99	1.33E-04	2.87886	2.7592	2.98662	0.00529	1.83E-06	7.13E-08	3.55E-06	1.29E-04	1.35E-04	8.8E-08	8.9E-08	3.1E-09	3.2E-08	3.5E-08
249	UCART1	571750.55	4178038.99	571750.55, 4178038.99	1.22E-04	2.66612	2.55065	2.72492	0.00487	1.69E-06	6.59E-08	3.24E-06	1.19E-04	1.24E-04	8.1E-08	8.2E-08	2.9E-09	2.9E-08	3.2E-08
250	UCART1	571790.55	4178038.99	571790.55, 4178038.99	1.12E-04	2.47012	2.36059	2.49727	0.00451	1.57E-06	6.10E-08	2.97E-06	1.10E-04	1.15E-04	7.4E-08	7.6E-08	2.6E-09	2.7E-08	3.0E-08
251	UCART1	571830.55	4178038.99	571830.55, 4178038.99	1.03E-04	2.2911	2.18847	2.29864	0.00415	1.45E-06	5.66E-08	2.73E-06	1.02E-04	1.06E-04	6.8E-08	7.0E-08	2.4E-09	2.5E-08	2.7E-08
252	UCART1	571870.55	4178038.99	571870.55, 4178038.99	9.51E-05	2.12803	2.0327	2.1241	0.00381	1.35E-06	5.25E-08	2.52E-06	9.32E-05	9.72E-05	6.3E-08	6.4E-08	2.2E-09	2.3E-08	2.5E-08
253	UCART1	570230.55	4178078.99	570230.55, 4178078.99	3.28E-05	1.23667	1.30868	1.44168	0.00057	7.84E-07	3.38E-08	1.71E-06	1.39E-05	1.65E-05	2.2E-08	1.1E-08	7.7E-10	3.9E-09	4.7E-09
254	UCART1	570270.55	4178078.99	570270.55, 4178078.99	3.60E-05	1.35126	1.43809	1.57129	0.00069	8.57E-07	3.72E-08	1.87E-06	1.69E-05	1.96E-05	2.4E-08	1.3E-08	8.4E-10	4.6E-09	5.5E-09
255	UCART1	570310.55	4178078.99	570310.55, 4178078.99	3.96E-05	1.47957	1.58503	1.71831	0.00083	9.38E-07	4.10E-08	2.04E-06	2.03E-05	2.33E-05	2.6E-08	1.5E-08	9.3E-10	5.5E-09	6.4E-09
256	UCART1	570350.55	4178078.99	570350.55, 4178078.99	4.37E-05	1.62287	1.75155	1.88668	0.00096	1.03E-06	4.53E-08	2.24E-06	2.35E-05	2.68E-05	2.9E-08	1.8E-08	1.0E-09	6.3E-09	7.4E-09
257	UCART1	570390.55	4178078.99	570390.55, 4178078.99	4.85E-05	1.78282	1.94019	2.08277	0.00109	1.13E-06	5.02E-08	2.47E-06	2.67E-05	3.03E-05	3.2E-08	2.0E-08	1.1E-09	7.2E-09	8.3E-09
258	UCART1	570430.55	4178078.99	570430.55, 4178078.99	5.40E-05	1.95892	2.15072	2.31122	0.00118	1.24E-06	5.56E-08	2.75E-06	2.89E-05	3.29E-05	3.6E-08	2.2E-08	1.3E-09	7.8E-09	9.0E-09
259	UCART1	570470.55	4178078.99	570470.55, 4178078.99	6.03E-05	2.15369	2.38641	2.58686	0.00121	1.37E-06	6.17E-08	3.07E-06	2.96E-05	3.41E-05	4.0E-08	2.3E-08	1.4E-09	8.1E-09	9.5E-09
260	UCART1	570510.55	4178078.99	570510.55, 4178078.99	6.74E-05	2.3699	2.65049	2.93225	0.00121	1.50E-06	6.85E-08	3.48E-06	2.96E-05	3.47E-05	4.5E-08	2.3E-08	1.6E-09	8.2E-09	9.8E-09
261	UCART1	570550.55	4178078.99	570550.55, 4178078.99	7.54E-05	2.60052	2.93338	3.35905	0.00116	1.65E-06	7.58E-08	3.99E-06	2.84E-05	3.41E-05	5.0E-08	2.3E-08	1.8E-09	8.1E-09	9.8E-09
262	UCART1	570590.55	4178078.99	570590.55, 4178078.99	8.45E-05	2.84799	3.235	3.91643	0.0011	1.81E-06	8.36E-08	4.65E-06	2.69E-05	3.35E-05	5.6E-08	2.2E-08	2.0E-09	7.9E-09	9.9E-09
263	UCART1	570630.55	4178078.99	570630.55, 4178078.99	9.46E-05	3.11066	3.55091	4.68507	0.00105	1.97E-06	9.18E-08	5.56E-06	2.57E-05	3.33E-05	6.3E-08	2.2E-08	2.2E-09	7.9E-09	1.0E-08
264	UCART1	570670.55	4178078.99	570670.55, 4178078.99	1.06E-04	3.3901	3.88064	5.8309	0.00099	2.15E-06	1.00E-07	6.93E-06	2.42E-05	3.34E-05	7.0E-08	2.2E-08	2.5E-09	7.9E-09	1.0E-08
265	UCART1	570710.55	4178078.99	570710.55, 4178078.99	1.18E-04	3.68224	4.21523	7.71619	0.0009	2.33E-06	1.09E-07	9.16E-06	2.20E-05	3.36E-05	7.8E-08	2.2E-08	2.8E-09	8.0E-09	1.1E-08
266	UCART1	570750.55	4178078.99	570750.55, 4178078.99	1.32E-04	3.98371	4.54848	11.37033	0.00079	2.53E-06	1.18E-07	1.35E-05	1.93E-05	3.55E-05	8.7E-08	2.3E-08	3.1E-09	8.4E-09	1.1E-08
267	UCART1	570790.55	4178078.99	570790.55, 4178078.99	1.48E-04	4.28947	4.87523	21.10825	0.0007	2.72E-06	1.26E-07	2.51E-05	1.71E-05	4.50E-05	9.8E-08	3.0E-08	3.5E-09	1.1E-08	1.4E-08
268	UCART1	570830.55	4178078.99	570830.55, 4178078.99	1.64E-04	4.59745	5.19795	23.55879	0.00063	2.92E-06	1.34E-07	2.80E-05	1.54E-05	4.64E-05	1.1E-07	3.1E-08	3.8E-09	1.1E-08	1.5E-08
269	UCART1	570870.55	4178078.99	570870.55, 4178078.99	1.82E-04	4.89793	5.51351	24.94484	0.00058	3.11E-06	1.43E-07	2.96E-05	1.42E-05	4.71E-05	1.2E-07	3.1E-08	4.2E-09	1.1E-08	1.5E-08
270	UCART1	570910.55	4178078.99	570910.55, 4178078.99	1.94E-04	5.18639	5.82592	16.40183	0.00057	3.29E-06	1.51E-07	1.95E-05	1.39E-05	3.69E-05	1.3E-07	2.4E-08	4.5E-09	8.7E-09	1.3E-08
271	UCART1	570950.55	4178078.99	570950.55, 4178078.99	2.05E-04	5.47099	6.15117	12.2992	0.00058	3.47E-06	1.59E-07	1.46E-05	1.42E-05	3.24E-05	1.4E-07	2.1E-08	4.8E-09	7.7E-09	1.2E-08
272	UCART1	570990.55	4178078.99	570990.55, 4178078.99	2.14E-04	5.77089	6.50236	10.05618	0.00061	3.66E-06	1.68E-07	1.19E-05	1.49E-05	3.07E-05	1.4E-07	2.0E-08	5.0E-09	7.3E-09	1.2E-08
273	UCART1	571030.55	4178078.99	571030.55, 4178078.99	2.19E-04	6.0774	6.84747	8.70343	0.00071	3.85E-06	1.77E-07	1.03E-05	1.74E-05	3.17E-05	1.4E-07	2.1E-08	5.1E-09	7.5E-09	1.3E-08
274	UCART1	571070.55	4178078.99	571070.55, 4178078.99	2.24E-04	6.37904	7.15196	7.87232	0.00088	4.05E-06	1.85E-07	9.35E-06	2.15E-05	3.51E-05	1.5E-07	2.3E-08	5.3E-09	8.3E-09	1.4E-08
275	UCART1	571110.55	4178078.99	571110.55, 4178078.99	2.26E-04	6.62634	7.34539	7.37205	0.0012	4.20E-06	1.90E-07	8.76E-06	2.94E-05	4.25E-05	1.5E-07	2.8E-08	5.3E-09	1.0E-08	1.5E-08
276	UCART1	571150.55	4178078.99	571150.55, 4178078.99	2.41E-04	6.82901	7.4241	7.14053	0.00169	4.33E-06	1.92E-07	8.48E-06	4.14E-05	5.44E-05	1.6E-07	3.6E-08	5.6E-09	1.3E-08	1.9E-08
277	UCART1	571190.55	4178078.99	571190.55, 4178078.99	2.58E-04	6.88915	7.32642	7.0846	0.00254	4.37E-06	1.89E-07	8.41E-06	6.22E-05	7.51E-05	1.7E-07	5.0E-08	6.0E-09	1.8E-08	2.4E-08
278	UCART1	571230.55	4178078.99	571230.55, 4178078.99	2.73E-04	6.8183	7.11274	7.21199	0.00366	4.32E-06	1.84E-07	8.57E-06	8.96E-05	1.03E-04	1.8E-07	6.8E-08	6.4E-09	2.4E-08	3.1E-08
279	UCART1	571270.55	4178078.99	571270.55, 4178078.99	2.83E-04	6.63699	6.82034	7.47455	0.0049	4.21E-06	1.76E-07	8.88E-06	1.20E-04	1.33E-04	1.9E-07	8.8E-08	6.6E-09	3.1E-08	3.8E-08
280	UCART1	571310.55	4178078.99	571310.55, 4178078.99	2.87E-04	6.38095	6.47604	7.78808	0.00603	4.05E-06	1.67E-07	9.25E-06	1.48E-04	1.61E-04	1.9E-07	1.1E-07	6.7E-09	3.8E-08	4.5E-08
281	UCART1	571350.55	4178078.99	571350.55, 4178078.99	2.84E-04	6.07522	6.09449	8.02424	0.00696	3.85E-06	1.58E-07	9.53E-06	1.70E-04	1.84E-04	1.9E-07	1.2E-07	6.6E-09	4.3E-08	5.0E-08
282	UCART1	571390.55	4178078.99	571390.55, 4178078.99	2.74E-04	5.73342	5.68759	8.0771	0.0076	3.64E-06	1.47E-07	9.59E-06	1.86E-04	1.99E-04	1.8E-07	1.3E-07	6.4E-09	4.7E-08	5.4E-08
283	UCART1	571430.55	4178078.99	571430.55, 4178078.99	2.61E-04	5.36843	5.26922	7.66627	0.00796	3.40E-06	1.36E-07	9.11E-06	1.95E-04	2.07E-04	1.7E-07	1.4E-07	6.1E-09	4.9E-08	5.5E-08
284	UCART1	571470.55	4178078.99	571470.55, 4178078.99	2.45E-04	4.99	4.85239	6.82394	0.00803	3.16E-06	1.25E-07	8.11E-06	1.96E-04	2.08E-04	1.6E-07	1.4E-07	5.7E-09	4.9E-08	5.5E-08
285	UCART1	571510.55	4178078.99	571510.55, 4178078.99	2.27E-04	4.61449	4.45141	5.90046	0.00789	2.93E-06	1.15E-07	7.01E-06	1.93E-04	2.03E-04	1.5E-07	1.3E-07	5.3E-09	4.8E-08	5.3E-08
286	UCART1	571550.55	4178078.99	571550.55, 4178078.99	2.08E-04	4.2477	4.07259	5.09999	0.00761	2.69E-06	1.05E-07	6.06E-06	1.86E-04	1.95E-04	1.4E-07	1.3E-07	4.9E-09	4.6E-08	5.1E-08
287	UCART1	571590.55	4178078.99	571590.55, 4178078.99	1.90E-04	3.8994	3.722	4.45173	0.00717	2.47E-06	9.62E-08	5.29E-06	1.75E-04	1.83E-04	1.3E-07	1.2E-07	4.4E-09	4.3E-08	4.8E-08
288	UCART1	571630.55	4178078.99	571630.55, 4178078.99	1.73E-04	3.57573	3.40271	3.92991	0.00664	2.27E-06	8.80E-08	4.67E-06	1.62E-04	1.70E-04	1.1E-07	1.1E-07	4.0E-09	4.0E-08	4.4E-08
289	UCART1	571670.55	4178078.99	571670.55, 4178078.99	1.57E-04	3.27713	3.11293	3.50328	0.00615	2.08E-06	8.05E-08	4.16E-06	1.50E-04	1.57E-04	1.0E-07	1.0E-07	3.7E-09	3.7E-08	4.1E-08
290	UCART1	571710.55	4178078.99	571710.55, 4178078.99	1.42E-04	3.00608	2.853	3.15008	0.00565	1.91E-06	7.37E-08	3.74E-06	1.38E-04	1.44E-04	9.4E-08	9.5E-08	3.3E-09	3.4E-08	3.7E-08
291	UCART1	571750.55	4178078.99	571750.55, 4178078.99	1.30E-04	2.76241	2.62142	2.85426	0.00519	1.75E-06	6.78E-08	3.39E-06	1.27E-04	1.32E-04	8.6E-08	8.7E-08	3.0E-09	3.1E-08	3.4E-08
292	UCART1	571790.55	4178078.99	571790.55, 4178078.99	1.18E-04	2.5435	2.41477	2.60251	0.00473	1.61E-06	6.24E-08	3.09E-06	1.16E-04	1.21E-04	7.8E-08	8.0E-08	2.8E-09	2.9E-08	3.1E-08
293	UCART1	571830.55	4178078.99	571830.55, 4178078.99	1.08E-04	2.3475	2.23064	2.38602	0.0043	1.49E-06	5.77E-08	2.83E-06	1.05E-04	1.10E-04	7.1E-08	7.3E-08	2.5E-09	2.6E-08	2.8E-08
294	UCART1	571870.55	4178078.99	571870.55, 4178078.99	9.88E-05	2.17208	2.06641	2.198	0.00391	1.38E-06	5.34E-08	2.61E-06	9.57E-05	9.97E-05	6.5E-08	6.6E-08	2.3E-09	2.4E-08	2.6E-08
295	UCART1	570230.55	4178118.99	570230.55, 4178118.99	3.33E-05	1.23118	1.29775	1.46661	0.00052	7.81E-07	3.35E-08	1.74E-06	1.27E-05	1.53E-05	2.2E-08	1.0E-08	7.8E-10	3.6E-09	4.4E-09
296	UCART1	570270.55	4178118.99	570270.55, 4178118.99	3.67E-05	1.34951	1.42959	1.60446	0.00064	8.56E-07	3.70E-08	1.91E-06	1.57E-05	1.85E-05	2.4E-08	1.2E-08	8.6E-10	4.4E-09	5.2E-09
297	UCART1	570310.55	4178118.99	570310.55, 4178118.99	4.05E-05	1.48359	1.58104	1.76115	0.00077	9.41E-07	4.09E-08	2.09E-06	1.88E-05	2.19E-05	2.7E-08	1.5E-08	9.5E-10	5.2E-09	6.1E-09
298	UCART1	570350.55	4178118.99	570350.55, 4178118.99	4.50E-05	1.63609	1.75606	1.94233	0.00094	1.04E-06	4.54E-08	2.31E-06	2.30E-05	2.64E-05	3.0E-08	1.7E-08	1.1E-09	6.2E-09	7.3E-09
299	UCART1	570390.55	4178118.99	570390.55, 4178118.99	5.02E-05	1.80899	1.95794	2.15367	0.00112	1.15E-06	5.06E-08	2.56E-06	2.74E-05	3.12E-05	3.3E-08	2.1E-08	1.2E-09	7.4E-09	8.5E-09
300	UCART1	570430.55	4178118.99	570430.55, 4178118.99	5.63E-05	2.00469	2.19062	2.40439	0.00128	1.27E-06	5.66E-08	2.86E-06	3.13E-05	3.55E-05	3.7E-08	2.3E-08	1.3E-09	8.4E-09	9.7E-09
301	UCART1	570470.55	4178118.99	570470.55, 4178118.99	6.34E-05	2.22415	2.45622	2.70488	0.00138	1.41E-06	6.35E-08	3.21E-06	3.38E-05	3.85E-05	4.2E-08	2.5E-08	1.5E-09	9.1E-09	1.1E-08
302	UCART1	570510.55	4178118.99	570510.55, 4178118.99	7.16E-05	2.46845	2.75673	3.07262	0.00141	1.57E-06	7.13E-08	3.65E-06	3.45E-05	3.98E-05	4.7E-08	2.6E-08	1.7E-09	9.4E-09	1.1E-08
303	UCART1	570550.55	4178118.99	570550.55, 4178118.99	8.12E-05	2.74618	3.10319	3.55548	0.0014	1.74E-06	8.02E-08	4.22E-06	3.43E-05	4.03E-05	5.4E-08	2.7E-08	1.9E-09	9.5E-09	1.1E-08
304	UCART1	570590.55	4178118.99	570590.55, 4178118.99	9.22E-05	3.04775	3.48246	4.17877	0.00134	1.93E-06	9.00E-08	4.96E-06	3.28E-05	3.98E-05	6.1E-08	2.6E-08	2.2E-09	9.4E-09	1.2E-08
305	UCART1	570630.55	4178118.99	570630.55, 4178118.99	1.05E-04	3.37499	3.89308	5.0358	0.00126	2.14E-06	1.01E-07	5.98E-06	3.08E-05	3.91E-05	6.9E-08	2.6E-08	2.5E-09	9.2E-09	1.2E-08
306	UCART1	570670.55	4178118.99	570670.55, 4178118.99	1.19E-04	3.73411	4.34005	6.31975	0.00119	2.37E-06	1.12E-07	7.51E-06	2.91E-05	3.91E-05	7.9E-08	2.6E-08	2.8E-09	9.2E-09	1.2E-08
307	UCART1	570710.55	4178118.99	570710.55, 4178118.99	1.35E-04	4.12208	4.81308	8.43352	0.00107	2.61E-06	1.24E-07	1.00E-05	2.62E-05	3.89E-05	8.9E-08	2.6E-08	3.2E-09	9.2E-09	1.2E-08
308	UCART1	570750.55	4178118.99	570750.55, 4178118.99	1.54E-04	4.53771	5.30429	12.58832	0.00092	2.88E-06	1.37E-07	1.50E-05	2.25E-05	4.05E-05	1.0E-07	2.7E-08	3.6E-09	9.6E-09	1.3E-08
309	UCART1	570790.55	4178118.99	570790.55, 4178118.99	1.77E-04	4.97752	5.80492	24.56149	0.00081	3.16E-06	1.50E-07	2.92E-05	1.98E-05	5.23E-05	1.2E-07	3.5E-08	4.1E-09	1.2E-08	1.7E-08
310	UCART1	570830.55	4178118.99	570830.55, 4178118.99	2.08E-04	5.44044	6.3125	43.77726	0.00074	3.45E-06	1.63E-07	5.20E-05	1.81E-05	7.37E-05	1.4E-07	4.9E-08	4.9E-09	1.7E-08	2.2E-08
311	UCART1	570870.55	4178118.99	570870.55, 4178118.99	2.28E-04	5.90792	6.80953	23.9786	0.0008	3.75E-06	1.76E-07	2.85E-05	1.96E-05	5.20E-05	1.5E-07	3.4E-08	5.3E-09	1.2E-08	1.8E-08
312	UCART1	570910.55	4178118.99	570910.55, 4178118.99	2.53E-04	6.36293	7.29062	16.33889	0.00086	4.03E-06	1.88E-07	1.94E-05	2.10E-05	4.47E-05	1.7E-07	3.0E-08	5.9E-09	1.1E-08	1.6E-08
313	UCART1	570950.55	4178118.99	570950.55, 4178118.99	2.81E-04	6.81242	7.78606	12.59097	0.00097	4.32E-06	2.01E-07	1.50E-05	2.37E-05	4.32E-05	1.9E-07	2.9E-08	6.6E-09	1.0E-08	1.7E-08
314	UCART1	570990.55	4178118.99	570990.55, 4178118.99	3.04E-04	7.24758	8.29009	10.47194	0.00123	4.60E-06	2.14E-07	1.24E-05	3.01E-05	4.73E-05	2.0E-07	3.1E-08	7.1E-09	1.1E-08	1.8E-08
315	UCART1	571030.55	4178118.99	571030.55, 4178118.99	3.21E-04	7.68819	8.7924	9.21178	0.00121	4.88E-06	2.27E-07	1.09E-05	2.96E-05	4.57E-05	2.1E-07	3.0E-08	7.5E-09	1.1E-08	1.8E-08
316	UCART1	571070.55	4178118.99	571070.55, 4178118.99	3.34E-04	8.12311	9.22532	8.47307	0.00114	5.15E-06	2.38E-07	1.01E-05	2.79E-05	4.33E-05	2.2E-07	2.9E-08	7.8E-09	1.0E-08	1.8E-08
317	UCART1	571110.55	4178118.99	571110.55, 4178118.99	3.54E-04	8.49688	9.48163	8.09934	0.00177	5.39E-06	2.45E-07	9.62E-06	4.33E-05	5.86E-05	2.3E-07	3.9E-08	8.3E-09	1.4E-08	2.2E-08
318	UCART1	571150.55	4178118.99	571150.55, 4178118.99	3.84E-04	8.72115	9.47545	8.01182	0.00286	5.53E-06	2.45E-07	9.52E-06	7.00E-05	8.53E-05	2.5E-07	5.6E-08	9.0E-09	2.0E-08	2.9E-08
319	UCART1	571190.55	4178118.99	571190.55, 4178118.99	4.10E-04	8.73938	9.23869	8.21439	0.0043	5.54E-06	2.39E-07	9.76E-06	1.05E-04	1.21E-04	2.7E-07	8.0E-08	9.6E-09	2.9E-08	3.8E-08
320	UCART1	571230.55	4178118.99	571230.55, 4178118.99	4.21E-04	8.55255	8.84136	8.73831	0.00595	5.42E-06	2.29E-07	1.04E-05	1.46E-04	1.62E-04	2.8E-07	1.1E-07	9.9E-09	3.8E-08	4.8E-08
321	UCART1	571270.55	4178118.99	571270.55, 4178118.99	4.17E-04	8.21848	8.33951	9.70856	0.00745	5.21E-06	2.16E-07	1.15E-05	1.82E-04	1.99E-04	2.8E-07	1.3E-07	9.8E-09	4.7E-08	5.7E-08
322	UCART1	571310.55	4178118.99	571310.55, 4178118.99	4.02E-04	7.78034	7.76112	11.30161	0.00861	4.93E-06	2.01E-07	1.34E-05	2.11E-04	2.29E-04	2.7E-07	1.5E-07	9.4E-09	5.4E-08	6.4E-08
323	UCART1	571350.55	4178118.99	571350.55, 4178118.99	3.79E-04	7.27073	7.13946	13.42212	0.0094	4.61E-06	1.85E-07	1.59E-05	2.30E-04	2.51E-04	2.5E-07	1.7E-07	8.9E-09	5.9E-08	6.8E-08
324	UCART1	571390.55	4178118.99	571390.55, 4178118.99	3.52E-04	6.71729	6.50716	14.28773	0.00978	4.26E-06	1.68E-07	1.70E-05	2.39E-04	2.61E-04	2.3E-07	1.7E-07	8.2E-09	6.2E-08	7.0E-08
325	UCART1	571430.55	4178118.99	571430.55, 4178118.99	3.21E-04	6.14951	5.89266	11.40431	0.0098	3.90E-06	1.52E-07	1.35E-05	2.40E-04	2.57E-04	2.1E-07	1.7E-07	7.5E-09	6.1E-08	6.8E-08
326	UCART1	571470.55	4178118.99	571470.55, 4178118.99	2.90E-04	5.59331	5.31651	8.61767	0.00954	3.55E-06	1.37E-07	1.02E-05	2.33E-04	2.47E-04	1.9E-07	1.6E-07	6.8E-09	5.9E-08	6.5E-08
327	UCART1	571510.55	4178118.99	571510.55, 4178118.99	2.61E-04	5.07002	4.79227	6.85808	0.00907	3.21E-06	1.24E-07	8.15E-06	2.22E-04	2.33E-04	1.7E-07	1.5E-07	6.1E-09	5.5E-08	6.1E-08
328	UCART1	571550.55	4178118.99	571550.55, 4178118.99	2.34E-04	4.5863	4.32094	5.68368	0.00846	2.91E-06	1.12E-07	6.75E-06	2.07E-04	2.17E-04	1.5E-07	1.4E-07	5.5E-09	5.1E-08	5.7E-08
329	UCART1	571590.55	4178118.99	571590.55, 4178118.99	2.09E-04	4.14857	3.90253	4.84453	0.00783	2.63E-06	1.01E-07	5.75E-06	1.92E-04	2.00E-04	1.4E-07	1.3E-07	4.9E-09	4.7E-08	5.2E-08
330	UCART1	571630.55	4178118.99	571630.55, 4178118.99	1.87E-04	3.75878	3.5347	4.21308	0.00715	2.38E-06	9.14E-08	5.00E-06	1.75E-04	1.82E-04	1.2E-07	1.2E-07	4.4E-09	4.3E-08	4.8E-08
331	UCART1	571670.55	4178118.99	571670.55, 4178118.99	1.68E-04	3.41297	3.21143	3.71807	0.00655	2.16E-06	8.30E-08	4.42E-06	1.60E-04	1.67E-04	1.1E-07	1.1E-07	3.9E-09	3.9E-08	4.3E-08
332	UCART1	571710.55	4178118.99	571710.55, 4178118.99	1.51E-04	3.10699	2.92717	3.31749	0.00595	1.97E-06	7.57E-08	3.94E-06	1.46E-04	1.52E-04	1.0E-07	1.0E-07	3.5E-09	3.6E-08	3.9E-08
333	UCART1	571750.55	4178118.99	571750.55, 4178118.99	1.36E-04	2.83916	2.67932	2.98893	0.0054	1.80E-06	6.93E-08	3.55E-06	1.32E-04	1.38E-04	9.0E-08	9.1E-08	3.2E-09	3.3E-08	3.6E-08
334	UCART1	571790.55	4178118.99	571790.55, 4178118.99	1.23E-04	2.60332	2.46159	2.71313	0.00485	1.65E-06	6.36E-08	3.22E-06	1.19E-04	1.24E-04	8.2E-08	8.2E-08	2.9E-09	2.9E-08	3.2E-08
335	UCART1	571830.55	4178118.99	571830.55, 4178118.99	1.12E-04	2.39537	2.26986	2.47834	0.0044	1.52E-06	5.87E-08	2.94E-06	1.08E-04	1.12E-04	7.4E-08	7.4E-08	2.6E-09	2.7E-08	2.9E-08
336	UCART1	571870.55	4178118.99	571870.55, 4178118.99	1.03E-04	2.21196	2.1008	2.27648	0.00401	1.40E-06	5.43E-08	2.70E-06	9.81E-05	1.02E-04	6.8E-08	6.8E-08	2.4E-09	2.4E-08	2.7E-08
337	UCART1	570230.55	4178158.99	570230.55, 4178158.99	3.38E-05	1.22204	1.28445	1.48654	0.00047	7.75E-07	3.32E-08	1.77E-06	1.15E-05	1.41E-05	2.2E-08	9.3E-09	7.9E-10	3.3E-09	4.1E-09
338	UCART1	570270.55	4178158.99	570270.55, 4178158.99	3.73E-05	1.34178	1.41594	1.63119	0.00057	8.51E-07	3.66E-08	1.94E-06	1.39E-05	1.68E-05	2.5E-08	1.1E-08	8.7E-10	4.0E-09	4.8E-09
339	UCART1	570310.55	4178158.99	570310.55, 4178158.99	4.13E-05	1.47972	1.56937	1.79807	0.00071	9.38E-07	4.06E-08	2.14E-06	1.74E-05	2.05E-05	2.7E-08	1.4E-08	9.7E-10	4.8E-09	5.8E-09
340	UCART1	570350.55	4178158.99	570350.55, 4178158.99	4.61E-05	1.63876	1.74894	1.99201	0.00087	1.04E-06	4.52E-08	2.37E-06	2.13E-05	2.47E-05	3.0E-08	1.6E-08	1.1E-09	5.9E-09	6.9E-09
341	UCART1	570390.55	4178158.99	570390.55, 4178158.99	5.17E-05	1.82196	1.95944	2.21932	0.00108	1.16E-06	5.07E-08	2.64E-06	2.64E-05	3.03E-05	3.4E-08	2.0E-08	1.2E-09	7.2E-09	8.4E-09
342	UCART1	570430.55	4178158.99	570430.55, 4178158.99	5.84E-05	2.03264	2.20634	2.48902	0.0013	1.29E-06	5.70E-08	2.96E-06	3.18E-05	3.61E-05	3.9E-08	2.4E-08	1.4E-09	8.5E-09	9.9E-09
343	UCART1	570470.55	4178158.99	570470.55, 4178158.99	6.63E-05	2.27487	2.49647	2.81588	0.00151	1.44E-06	6.45E-08	3.34E-06	3.69E-05	4.18E-05	4.4E-08	2.8E-08	1.6E-09	9.9E-09	1.1E-08
344	UCART1	570510.55	4178158.99	570510.55, 4178158.99	7.56E-05	2.55186	2.83577	3.21977	0.00164	1.62E-06	7.33E-08	3.82E-06	4.01E-05	4.56E-05	5.0E-08	3.0E-08	1.8E-09	1.1E-08	1.3E-08
345	UCART1	570550.55	4178158.99	570550.55, 4178158.99	8.68E-05	2.8657	3.22869	3.73016	0.00168	1.82E-06	8.35E-08	4.43E-06	4.11E-05	4.74E-05	5.7E-08	3.1E-08	2.0E-09	1.1E-08	1.3E-08
346	UCART1	570590.55	4178158.99	570590.55, 4178158.99	1.00E-04	3.22597	3.68878	4.41974	0.00164	2.05E-06	9.54E-08	5.25E-06	4.01E-05	4.75E-05	6.6E-08	3.1E-08	2.3E-09	1.1E-08	1.4E-08
347	UCART1	570630.55	4178158.99	570630.55, 4178158.99	1.15E-04	3.6255	4.20573	5.35931	0.00154	2.30E-06	1.09E-07	6.37E-06	3.77E-05	4.65E-05	7.6E-08	3.1E-08	2.7E-09	1.1E-08	1.4E-08
348	UCART1	570670.55	4178158.99	570670.55, 4178158.99	1.34E-04	4.07814	4.79497	6.78031	0.00145	2.59E-06	1.24E-07	8.05E-06	3.55E-05	4.62E-05	8.8E-08	3.1E-08	3.1E-09	1.1E-08	1.4E-08
349	UCART1	570710.55	4178158.99	570710.55, 4178158.99	1.55E-04	4.57962	5.44411	9.12277	0.0013	2.90E-06	1.41E-07	1.08E-05	3.18E-05	4.57E-05	1.0E-07	3.0E-08	3.6E-09	1.1E-08	1.4E-08
350	UCART1	570750.55	4178158.99	570750.55, 4178158.99	1.80E-04	5.13739	6.15331	13.86443	0.00113	3.26E-06	1.59E-07	1.65E-05	2.77E-05	4.75E-05	1.2E-07	3.1E-08	4.2E-09	1.1E-08	1.5E-08
351	UCART1	570790.55	4178158.99	570790.55, 4178158.99	2.12E-04	5.75377	6.91417	28.97822	0.00097	3.65E-06	1.79E-07	3.44E-05	2.37E-05	6.20E-05	1.4E-07	4.1E-08	5.0E-09	1.5E-08	2.0E-08
352	UCART1	570830.55	4178158.99	570830.55, 4178158.99	2.52E-04	6.43863	7.72909	39.50986	0.00089	4.08E-06	2.00E-07	4.69E-05	2.18E-05	7.30E-05	1.7E-07	4.8E-08	5.9E-09	1.7E-08	2.3E-08
353	UCART1	570870.55	4178158.99	570870.55, 4178158.99	2.88E-04	7.17499	8.56667	22.91502	0.00096	4.55E-06	2.21E-07	2.72E-05	2.35E-05	5.55E-05	1.9E-07	3.7E-08	6.7E-09	1.3E-08	2.0E-08
354	UCART1	570910.55	4178158.99	570910.55, 4178158.99	3.37E-04	7.94638	9.4072	16.16313	0.00101	5.04E-06	2.43E-07	1.92E-05	2.47E-05	4.92E-05	2.2E-07	3.3E-08	7.9E-09	1.2E-08	2.0E-08
355	UCART1	570950.55	4178158.99	570950.55, 4178158.99	3.99E-04	8.711	10.22549	12.74	0.00077	5.52E-06	2.64E-07	1.51E-05	1.88E-05	3.98E-05	2.6E-07	2.6E-08	9.3E-09	9.4E-09	1.9E-08
356	UCART1	570990.55	4178158.99	570990.55, 4178158.99	4.68E-04	9.43539	11.02547	10.81128	0.00129	5.98E-06	2.85E-07	1.28E-05	3.16E-05	5.07E-05	3.1E-07	3.4E-08	1.1E-08	1.2E-08	2.3E-08
357	UCART1	571030.55	4178158.99	571030.55, 4178158.99	5.28E-04	10.12907	11.81356	9.69635	0.00192	6.42E-06	3.05E-07	1.15E-05	4.70E-05	6.52E-05	3.5E-07	4.3E-08	1.2E-08	1.5E-08	2.8E-08
358	UCART1	571070.55	4178158.99	571070.55, 4178158.99	5.80E-04	10.79937	12.46988	9.10213	0.00281	6.85E-06	3.22E-07	1.08E-05	6.88E-05	8.67E-05	3.8E-07	5.7E-08	1.4E-08	2.1E-08	3.4E-08
359	UCART1	571110.55	4178158.99	571110.55, 4178158.99	6.54E-04	11.35784	12.76644	8.90603	0.00412	7.20E-06	3.30E-07	1.06E-05	1.01E-04	1.19E-04	4.3E-07	7.9E-08	1.5E-08	2.8E-08	4.3E-08

360	UCART1	571150.55	4178158.99	571150.55, 4178158.99	7.05E-04	11.63596	12.59405	9.08359	0.00598	7.38E-06	3.26E-07	1.08E-05	1.46E-04	1.65E-04	4.7E-07	1.1E-07	1.6E-08	3.9E-08	5.5E-08
361	UCART1	571190.55	4178158.99	571190.55, 4178158.99	6.98E-04	11.526	12.04845	9.68274	0.00737	7.31E-06	3.11E-07	1.15E-05	1.80E-04	1.99E-04	4.6E-07	1.3E-07	1.6E-08	4.7E-08	6.4E-08
362	UCART1	571230.55	4178158.99	571230.55, 4178158.99	6.59E-04	11.09829	11.25782	10.92752	0.00928	7.04E-06	2.91E-07	1.30E-05	2.27E-04	2.47E-04	4.4E-07	1.6E-07	1.5E-08	5.9E-08	7.4E-08
363	UCART1	571270.55	4178158.99	571270.55, 4178158.99	6.08E-04	10.43115	10.29919	13.33518	0.01078	6.61E-06	2.66E-07	1.58E-05	2.64E-04	2.87E-04	4.0E-07	1.9E-07	1.4E-08	6.8E-08	8.2E-08
364	UCART1	571310.55	4178158.99	571310.55, 4178158.99	5.52E-04	9.60674	9.26963	18.71779	0.01172	6.09E-06	2.40E-07	2.22E-05	2.87E-04	3.15E-04	3.6E-07	2.1E-07	1.3E-08	7.5E-08	8.7E-08
365	UCART1	571350.55	4178158.99	571350.55, 4178158.99	4.94E-04	8.70069	8.25293	21.76231	0.0121	5.52E-06	2.13E-07	2.58E-05	2.96E-04	3.28E-04	3.3E-07	2.2E-07	1.2E-08	7.8E-08	8.9E-08
366	UCART1	571390.55	4178158.99	571390.55, 4178158.99	4.42E-04	7.78874	7.30288	30.20942	0.01199	4.94E-06	1.89E-07	3.59E-05	2.93E-04	3.34E-04	2.9E-07	2.2E-07	1.0E-08	7.9E-08	8.9E-08
367	UCART1	571430.55	4178158.99	571430.55, 4178158.99	3.84E-04	6.92799	6.45165	15.37827	0.01155	4.39E-06	1.67E-07	1.83E-05	2.83E-04	3.05E-04	2.5E-07	2.0E-07	9.0E-09	7.2E-08	8.1E-08
368	UCART1	571470.55	4178158.99	571470.55, 4178158.99	3.34E-04	6.14652	5.70581	10.26697	0.01084	3.90E-06	1.47E-07	1.22E-05	2.65E-04	2.81E-04	2.2E-07	1.9E-07	7.8E-09	6.7E-08	7.4E-08
369	UCART1	571510.55	4178158.99	571510.55, 4178158.99	2.93E-04	5.4598	5.06488	7.75694	0.01004	3.46E-06	1.31E-07	9.21E-06	2.46E-04	2.58E-04	1.9E-07	1.7E-07	6.9E-09	6.1E-08	6.8E-08
370	UCART1	571550.55	4178158.99	571550.55, 4178158.99	2.58E-04	4.86411	4.51643	6.24936	0.00915	3.08E-06	1.17E-07	7.42E-06	2.24E-04	2.35E-04	1.7E-07	1.6E-07	6.0E-09	5.5E-08	6.2E-08
371	UCART1	571590.55	4178158.99	571590.55, 4178158.99	2.27E-04	4.34868	4.04587	5.23194	0.00833	2.76E-06	1.05E-07	6.21E-06	2.04E-04	2.13E-04	1.5E-07	1.4E-07	5.3E-09	5.0E-08	5.6E-08
372	UCART1	571630.55	4178158.99	571630.55, 4178158.99	2.01E-04	3.90556	3.64309	4.49416	0.00755	2.48E-06	9.42E-08	5.34E-06	1.85E-04	1.93E-04	1.3E-07	1.3E-07	4.7E-09	4.6E-08	5.0E-08
373	UCART1	571670.55	4178158.99	571670.55, 4178158.99	1.79E-04	3.5241	3.29707	3.93121	0.00683	2.23E-06	8.52E-08	4.67E-06	1.67E-04	1.74E-04	1.2E-07	1.2E-07	4.2E-09	4.1E-08	4.5E-08
374	UCART1	571710.55	4178158.99	571710.55, 4178158.99	1.60E-04	3.19478	2.99848	3.48518	0.00614	2.03E-06	7.75E-08	4.14E-06	1.50E-04	1.56E-04	1.1E-07	1.0E-07	3.7E-09	3.7E-08	4.1E-08
375	UCART1	571750.55	4178158.99	571750.55, 4178158.99	1.43E-04	2.91026	2.74027	3.1229	0.0055	1.85E-06	7.08E-08	3.71E-06	1.35E-04	1.40E-04	9.5E-08	9.3E-08	3.4E-09	3.3E-08	3.7E-08
376	UCART1	571790.55	4178158.99	571790.55, 4178158.99	1.29E-04	2.66323	2.51574	2.82253	0.00494	1.69E-06	6.50E-08	3.35E-06	1.21E-04	1.26E-04	8.6E-08	8.3E-08	3.0E-09	3.0E-08	3.3E-08
377	UCART1	571830.55	4178158.99	571830.55, 4178158.99	1.17E-04	2.44818	2.31988	2.56985	0.00445	1.55E-06	6.00E-08	3.05E-06	1.09E-04	1.14E-04	7.8E-08	7.5E-08	2.7E-09	2.7E-08	3.0E-08
378	UCART1	571870.55	4178158.99	571870.55, 4178158.99	1.07E-04	2.25956	2.1477	2.35388	0.00404	1.43E-06	5.55E-08	2.80E-06	9.89E-05	1.03E-04	7.1E-08	6.8E-08	2.5E-09	2.4E-08	2.7E-08
379	UCART1	570230.55	4178198.99	570230.55, 4178198.99	3.42E-05	1.21111	1.27122	1.50123	0.00044	7.68E-07	3.29E-08	1.78E-06	1.08E-05	1.34E-05	2.3E-08	8.8E-09	8.0E-10	3.2E-09	4.0E-09
380	UCART1	570270.55	4178198.99	570270.55, 4178198.99	3.78E-05	1.33091	1.40123	1.65246	0.00052	8.44E-07	3.62E-08	1.96E-06	1.27E-05	1.56E-05	2.5E-08	1.0E-08	8.8E-10	3.7E-09	4.6E-09
381	UCART1	570310.55	4178198.99	570310.55, 4178198.99	4.21E-05	1.47023	1.55398	1.82825	0.00064	9.32E-07	4.02E-08	2.17E-06	1.57E-05	1.88E-05	2.8E-08	1.2E-08	9.8E-10	4.4E-09	5.4E-09
382	UCART1	570350.55	4178198.99	570350.55, 4178198.99	4.71E-05	1.63247	1.73408	2.03336	0.00079	1.04E-06	4.48E-08	2.42E-06	1.93E-05	2.28E-05	3.1E-08	1.5E-08	1.1E-09	5.4E-09	6.5E-09
383	UCART1	570390.55	4178198.99	570390.55, 4178198.99	5.31E-05	1.82198	1.94773	2.27509	0.00098	1.16E-06	5.03E-08	2.70E-06	2.40E-05	2.79E-05	3.5E-08	1.8E-08	1.2E-09	6.6E-09	7.8E-09
384	UCART1	570430.55	4178198.99	570430.55, 4178198.99	6.02E-05	2.04404	2.20286	2.56426	0.00124	1.30E-06	5.69E-08	3.05E-06	3.03E-05	3.47E-05	4.0E-08	2.3E-08	1.4E-09	8.2E-09	9.6E-09
385	UCART1	570470.55	4178198.99	570470.55, 4178198.99	6.89E-05	2.30458	2.50898	2.91629	0.00152	1.46E-06	6.49E-08	3.46E-06	3.72E-05	4.22E-05	4.6E-08	2.8E-08	1.6E-09	1.0E-08	1.2E-08
386	UCART1	570510.55	4178198.99	570510.55, 4178198.99	7.94E-05	2.60931	2.87626	3.35226	0.00178	1.65E-06	7.44E-08	3.98E-06	4.36E-05	4.93E-05	5.3E-08	3.3E-08	1.9E-09	1.2E-08	1.4E-08
387	UCART1	570550.55	4178198.99	570550.55, 4178198.99	9.22E-05	2.96419	3.31607	3.90566	0.00195	1.88E-06	8.57E-08	4.64E-06	4.77E-05	5.43E-05	6.1E-08	3.6E-08	2.2E-09	1.3E-08	1.5E-08
388	UCART1	570590.55	4178198.99	570590.55, 4178198.99	1.08E-04	3.37589	3.84105	4.63464	0.00199	2.14E-06	9.93E-08	5.50E-06	4.87E-05	5.64E-05	7.1E-08	3.7E-08	2.5E-09	1.3E-08	1.6E-08
389	UCART1	570630.55	4178198.99	570630.55, 4178198.99	1.27E-04	3.85796	4.47294	5.66884	0.00192	2.45E-06	1.16E-07	6.73E-06	4.70E-05	5.63E-05	8.4E-08	3.7E-08	3.0E-09	1.3E-08	1.6E-08
390	UCART1	570670.55	4178198.99	570670.55, 4178198.99	1.50E-04	4.4136	5.21763	7.21987	0.00179	2.80E-06	1.35E-07	8.58E-06	4.38E-05	5.53E-05	9.9E-08	3.7E-08	3.5E-09	1.3E-08	1.7E-08
391	UCART1	570710.55	4178198.99	570710.55, 4178198.99	1.77E-04	5.04508	6.07463	9.80447	0.00161	3.20E-06	1.57E-07	1.16E-05	3.94E-05	5.44E-05	1.2E-07	3.6E-08	4.1E-09	1.3E-08	1.7E-08
392	UCART1	570750.55	4178198.99	570750.55, 4178198.99	2.11E-04	5.77207	7.06245	15.23873	0.00138	3.66E-06	1.83E-07	1.81E-05	3.38E-05	5.57E-05	1.4E-07	3.7E-08	4.9E-09	1.3E-08	1.8E-08
393	UCART1	570790.55	4178198.99	570790.55, 4178198.99	2.53E-04	6.61022	8.18802	21.4786	0.00116	4.19E-06	2.12E-07	2.55E-05	2.84E-05	5.83E-05	1.7E-07	3.9E-08	5.9E-09	1.4E-08	2.0E-08
394	UCART1	570830.55	4178198.99	570830.55, 4178198.99	3.10E-04	7.58824	9.47315	36.07993	0.00102	4.81E-06	2.45E-07	4.29E-05	2.50E-05	7.29E-05	2.1E-07	4.8E-08	7.3E-09	1.7E-08	2.4E-08
395	UCART1	570870.55	4178198.99	570870.55, 4178198.99	3.71E-04	8.72548	10.91815	21.95572	0.00105	5.53E-06	2.82E-07	2.61E-05	2.57E-05	5.76E-05	2.5E-07	3.8E-08	8.7E-09	1.4E-08	2.2E-08
396	UCART1	570910.55	4178198.99	570910.55, 4178198.99	4.58E-04	10.01902	12.48284	15.92977	0.00065	6.35E-06	3.23E-07	1.89E-05	1.59E-05	4.15E-05	3.0E-07	2.7E-08	1.1E-08	9.8E-09	2.1E-08
397	UCART1	570950.55	4178198.99	570950.55, 4178198.99	5.85E-04	11.41779	14.06155	12.8452	0.00106	7.24E-06	3.63E-07	1.53E-05	2.59E-05	4.88E-05	3.9E-07	3.2E-08	1.4E-08	1.2E-08	2.5E-08
398	UCART1	570990.55	4178198.99	570990.55, 4178198.99	7.91E-04	12.82784	15.56465	11.13687	0.00126	8.13E-06	4.02E-07	1.32E-05	3.08E-05	5.26E-05	5.2E-07	3.5E-08	1.9E-08	1.2E-08	3.1E-08
399	UCART1	571030.55	4178198.99	571030.55, 4178198.99	1.10E-03	14.13008	16.96335	10.2171	0.00252	8.96E-06	4.38E-07	1.21E-05	6.17E-05	8.32E-05	7.3E-07	5.5E-08	2.6E-08	2.0E-08	4.5E-08
400	UCART1	571070.55	4178198.99	571070.55, 4178198.99	1.50E-03	15.27842	18.05618	9.82065	0.00558	9.69E-06	4.67E-07	1.17E-05	1.37E-04	1.58E-04	9.9E-07	1.0E-07	3.5E-08	3.7E-08	7.3E-08
401	UCART1	571110.55	4178198.99	571110.55, 4178198.99	1.62E-03	16.23576	18.37871	9.91882	0.01188	1.03E-05	4.75E-07	1.18E-05	2.91E-04	3.13E-04	1.1E-06	2.1E-07	3.8E-08	7.4E-08	1.1E-07
402	UCART1	571150.55	4178198.99	571150.55, 4178198.99	1.42E-03	16.5591	17.71863	10.51372	0.01758	1.05E-05	4.58E-07	1.25E-05	4.30E-04	4.54E-04	9.4E-07	3.0E-07	3.3E-08	1.1E-07	1.4E-07
403	UCART1	571190.55	4178198.99	571190.55, 4178198.99	1.21E-03	16.08533	16.32264	11.80717	0.01235	1.02E-05	4.22E-07	1.40E-05	3.02E-04	3.27E-04	8.0E-07	2.2E-07	2.8E-08	7.7E-08	1.1E-07
404	UCART1	571230.55	4178198.99	571230.55, 4178198.99	1.02E-03	14.99621	14.51083	14.51963	0.01371	9.51E-06	3.75E-07	1.72E-05	3.35E-04	3.63E-04	6.8E-07	2.4E-07	2.4E-08	8.6E-08	1.1E-07
405	UCART1	571270.55	4178198.99	571270.55, 4178198.99	8.71E-04	13.47545	12.59411	20.58188	0.01475	8.54E-06	3.26E-07	2.44E-05	3.61E-04	3.94E-04	5.8E-07	2.6E-07	2.0E-08	9.3E-08	1.1E-07
406	UCART1	571310.55	4178198.99	571310.55, 4178198.99	7.39E-04	11.81117	10.81844	33.4497	0.01506	7.49E-06	2.80E-07	3.97E-05	3.69E-04	4.16E-04	4.9E-07	2.8E-07	1.7E-08	9.8E-08	1.2E-07
407	UCART1	571350.55	4178198.99	571350.55, 4178198.99	6.29E-04	10.21614	9.27341	40.24461	0.01473	6.48E-06	2.40E-07	4.78E-05	3.60E-04	4.15E-04	4.2E-07	2.7E-07	1.5E-08	9.8E-08	1.1E-07
408	UCART1	571390.55	4178198.99	571390.55, 4178198.99	5.26E-04	8.80397	7.97655	22.2161	0.01399	5.58E-06	2.06E-07	2.64E-05	3.42E-04	3.75E-04	3.5E-07	2.5E-07	1.2E-08	8.9E-08	1.0E-07
409	UCART1	571430.55	4178198.99	571430.55, 4178198.99	4.44E-04	7.60453	6.90414	14.40737	0.01298	4.82E-06	1.78E-07	1.71E-05	3.18E-04	3.40E-04	2.9E-07	2.2E-07	1.0E-08	8.0E-08	9.1E-08
410	UCART1	571470.55	4178198.99	571470.55, 4178198.99	3.78E-04	6.60482	6.02059	10.38352	0.01183	4.19E-06	1.56E-07	1.23E-05	2.89E-04	3.06E-04	2.5E-07	2.0E-07	8.8E-09	7.2E-08	8.1E-08
411	UCART1	571510.55	4178198.99	571510.55, 4178198.99	3.24E-04	5.7776	5.29199	8.02851	0.01069	3.66E-06	1.37E-07	9.54E-06	2.62E-04	2.75E-04	2.1E-07	1.8E-07	7.6E-09	6.5E-08	7.3E-08
412	UCART1	571550.55	4178198.99	571550.55, 4178198.99	2.81E-04	5.09172	4.68749	6.50594	0.00965	3.23E-06	1.21E-07	7.73E-06	2.36E-04	2.47E-04	1.9E-07	1.6E-07	6.6E-09	5.8E-08	6.5E-08
413	UCART1	571590.55	4178198.99	571590.55, 4178198.99	2.45E-04	4.52227	4.18409	5.4488	0.00869	2.87E-06	1.08E-07	6.47E-06	2.13E-04	2.22E-04	1.6E-07	1.5E-07	5.7E-09	5.3E-08	5.8E-08
414	UCART1	571630.55	4178198.99	571630.55, 4178198.99	2.15E-04	4.04352	3.75946	4.67172	0.00779	2.56E-06	9.72E-08	5.55E-06	1.91E-04	1.99E-04	1.4E-07	1.3E-07	5.0E-09	4.7E-08	5.2E-08
415	UCART1	571670.55	4178198.99	571670.55, 4178198.99	1.90E-04	3.63793	3.39848	4.07645	0.00694	2.31E-06	8.78E-08	4.84E-06	1.70E-04	1.77E-04	1.3E-07	1.2E-07	4.5E-09	4.2E-08	4.6E-08
416	UCART1	571710.55	4178198.99	571710.55, 4178198.99	1.69E-04	3.29341	3.09046	3.60575	0.0062	2.09E-06	7.99E-08	4.28E-06	1.52E-04	1.58E-04	1.1E-07	1.0E-07	4.0E-09	3.7E-08	4.1E-08
417	UCART1	571750.55	4178198.99	571750.55, 4178198.99	1.51E-04	2.99753	2.82479	3.2233	0.00556	1.90E-06	7.30E-08	3.83E-06	1.36E-04	1.42E-04	1.0E-07	9.4E-08	3.5E-09	3.4E-08	3.7E-08
418	UCART1	571790.55	4178198.99	571790.55, 4178198.99	1.36E-04	2.74253	2.59481	2.90746	0.005	1.74E-06	6.71E-08	3.45E-06	1.22E-04	1.28E-04	9.0E-08	8.4E-08	3.2E-09	3.0E-08	3.3E-08
419	UCART1	571830.55	4178198.99	571830.55, 4178198.99	1.23E-04	2.52129	2.39438	2.6424	0.0045	1.60E-06	6.19E-08	3.14E-06	1.10E-04	1.15E-04	8.2E-08	7.6E-08	2.9E-09	2.7E-08	3.0E-08
420	UCART1	571870.55	4178198.99	571870.55, 4178198.99	1.12E-04	2.3281	2.21861	2.41693	0.00408	1.48E-06	5.74E-08	2.87E-06	9.98E-05	1.04E-04	7.4E-08	6.9E-08	2.6E-09	2.5E-08	2.7E-08
421	UCART1	570230.55	4178238.99	570230.55, 4178238.99	3.46E-05	1.20014	1.25974	1.51088	0.00041	7.61E-07	3.26E-08	1.79E-06	1.00E-05	1.26E-05	2.3E-08	8.4E-09	8.1E-10	3.0E-09	3.8E-09
422	UCART1	570270.55	4178238.99	570270.55, 4178238.99	3.83E-05	1.31887	1.3877	1.66777	0.00048	8.36E-07	3.59E-08	1.98E-06	1.17E-05	1.46E-05	2.5E-08	9.7E-09	9.0E-10	3.5E-09	4.3E-09
423	UCART1	570310.55	4178238.99	570310.55, 4178238.99	4.27E-05	1.45759	1.53825	1.85091	0.00058	9.24E-07	3.98E-08	2.20E-06	1.42E-05	1.74E-05	2.8E-08	1.1E-08	1.0E-09	4.1E-09	5.1E-09
424	UCART1	570350.55	4178238.99	570350.55, 4178238.99	4.79E-05	1.6203	1.71641	2.06563	0.00071	1.03E-06	4.44E-08	2.45E-06	1.74E-05	2.09E-05	3.2E-08	1.4E-08	1.1E-09	4.9E-09	6.1E-09
425	UCART1	570390.55	4178238.99	570390.55, 4178238.99	5.42E-05	1.81239	1.92923	2.32013	0.00088	1.15E-06	4.99E-08	2.76E-06	2.15E-05	2.55E-05	3.6E-08	1.7E-08	1.3E-09	6.0E-09	7.3E-09
426	UCART1	570430.55	4178238.99	570430.55, 4178238.99	6.19E-05	2.04081	2.18627	2.62653	0.00111	1.29E-06	5.65E-08	3.12E-06	2.72E-05	3.16E-05	4.1E-08	2.1E-08	1.4E-09	7.5E-09	8.9E-09
427	UCART1	570470.55	4178238.99	570470.55, 4178238.99	7.13E-05	2.3137	2.49948	3.0013	0.0014	1.47E-06	6.46E-08	3.56E-06	3.43E-05	3.94E-05	4.7E-08	2.6E-08	1.7E-09	9.3E-09	1.1E-08
428	UCART1	570510.55	4178238.99	570510.55, 4178238.99	8.28E-05	2.63898	2.88199	3.46427	0.00177	1.67E-06	7.45E-08	4.11E-06	4.33E-05	4.92E-05	5.5E-08	3.3E-08	1.9E-09	1.2E-08	1.4E-08
429	UCART1	570550.55	4178238.99	570550.55, 4178238.99	9.73E-05	3.02911	3.35453	4.0567	0.00212	1.92E-06	8.67E-08	4.82E-06	5.19E-05	5.87E-05	6.4E-08	3.9E-08	2.3E-09	1.4E-08	1.6E-08
430	UCART1	570590.55	4178238.99	570590.55, 4178238.99	1.15E-04	3.49698	3.94091	4.84388	0.00234	2.22E-06	1.02E-07	5.75E-06	5.73E-05	6.53E-05	7.6E-08	4.3E-08	2.7E-09	1.5E-08	1.8E-08
431	UCART1	570630.55	4178238.99	570630.55, 4178238.99	1.38E-04	4.05353	4.66461	5.93522	0.00239	2.57E-06	1.21E-07	7.05E-06	5.85E-05	6.82E-05	9.1E-08	4.5E-08	3.2E-09	1.6E-08	1.9E-08
432	UCART1	570670.55	4178238.99	570670.55, 4178238.99	1.67E-04	4.72196	5.56715	7.61462	0.00226	2.99E-06	1.44E-07	9.04E-06	5.53E-05	6.75E-05	1.1E-07	4.5E-08	3.9E-09	1.6E-08	2.0E-08
433	UCART1	570710.55	4178238.99	570710.55, 4178238.99	2.03E-04	5.51022	6.66697	10.49019	0.00205	3.49E-06	1.72E-07	1.25E-05	5.02E-05	6.63E-05	1.3E-07	4.4E-08	4.7E-09	1.6E-08	2.0E-08
434	UCART1	570750.55	4178238.99	570750.55, 4178238.99	2.48E-04	6.43998	7.99516	16.79236	0.00174	4.08E-06	2.07E-07	1.99E-05	4.26E-05	6.68E-05	1.6E-07	4.4E-08	5.8E-09	1.6E-08	2.2E-08
435	UCART1	570790.55	4178238.99	570790.55, 4178238.99	3.07E-04	7.54794	9.59564	23.15924	0.00161	4.79E-06	2.48E-07	2.75E-05	3.94E-05	7.19E-05	2.0E-07	4.8E-08	7.2E-09	1.7E-08	2.4E-08
436	UCART1	570830.55	4178238.99	570830.55, 4178238.99	3.88E-04	8.89319	11.54068	33.11941	0.00124	5.64E-06	2.98E-07	3.93E-05	3.03E-05	7.56E-05	2.6E-07	5.0E-08	9.1E-09	1.8E-08	2.7E-08
437	UCART1	570870.55	4178238.99	570870.55, 4178238.99	4.91E-04	10.56095	13.93531	20.97819	0.00072	6.70E-06	3.60E-07	2.49E-05	1.76E-05	4.96E-05	3.3E-07	3.3E-08	1.1E-08	1.2E-08	2.3E-08
438	UCART1	570910.55	4178238.99	570910.55, 4178238.99	6.47E-04	12.63102	16.84681	15.67793	0.00087	8.01E-06	4.35E-07	1.86E-05	2.13E-05	4.84E-05	4.3E-07	3.2E-08	1.5E-08	1.1E-08	2.7E-08
439	UCART1	570950.55	4178238.99	570950.55, 4178238.99	9.09E-04	15.15098	20.22033	12.93385	0.00123	9.61E-06	5.23E-07	1.54E-05	3.01E-05	5.56E-05	6.0E-07	3.7E-08	2.1E-08	1.3E-08	3.4E-08
440	UCART1	570990.55	4178238.99	570990.55, 4178238.99	1.45E-03	18.1914	23.91267	11.50968	0.0029	1.15E-05	6.18E-07	1.37E-05	7.10E-05	9.68E-05	9.6E-07	6.4E-08	3.4E-08	2.3E-08	5.7E-08
441	UCART1	571030.55	4178238.99	571030.55, 4178238.99	2.02E-03	21.33456	27.15338	10.83402	0.00626	1.35E-05	7.02E-07	1.29E-05	1.53E-04	1.80E-04	1.3E-06	1.2E-07	4.7E-08	4.3E-08	9.0E-08
442	UCART1	571110.55	4178238.99	571110.55, 4178238.99	4.63E-03	25.84906	29.48008	11.2402	0.01748	1.64E-05	7.62E-07	1.34E-05	4.28E-04	4.58E-04	3.1E-06	3.0E-07	1.1E-07	1.1E-07	2.2E-07
443	UCART1	571150.55	4178238.99	571150.55, 4178238.99	2.97E-03	26.13293	26.71762	12.55547	0.02447	1.66E-05	6.91E-07	1.49E-05	5.99E-04	6.31E-04	2.0E-06	4.2E-07	7.0E-08	1.5E-07	2.2E-07
444	UCART1	571190.55	4178238.99	571190.55, 4178238.99	2.11E-03	24.19168	22.39225	15.37007	0.03141	1.53E-05	5.79E-07	1.83E-05	7.69E-04	8.03E-04	1.4E-06	5.3E-07	4.9E-08	1.9E-07	2.4E-07
445	UCART1	571230.55	4178238.99	571230.55, 4178238.99	1.58E-03	20.76375	18.21275	21.79585	0.01905	1.32E-05	4.71E-07	2.59E-05	4.66E-04	5.06E-04	1.0E-06	3.3E-07	3.7E-08	1.2E-07	1.6E-07
446	UCART1	571270.55	4178238.99	571270.55, 4178238.99	1.21E-03	17.14647	14.79998	28.82335	0.01887	1.09E-05	3.83E-07	3.42E-05	4.62E-04	5.07E-04	8.0E-07	3.4E-07	2.8E-08	1.2E-07	1.5E-07
447	UCART1	571310.55	4178238.99	571310.55, 4178238.99	9.55E-04	14.03555	12.15467	42.37416	0.01815	8.90E-06	3.14E-07	5.03E-05	4.44E-04	5.04E-04	6.3E-07	3.3E-07	2.2E-08	1.2E-07	1.4E-07
448	UCART1	571350.55	4178238.99	571350.55, 4178238.99	7.57E-04	11.56887	10.12214	24.81848	0.01689	7.34E-06	2.62E-07	2.95E-05	4.13E-04	4.50E-04	5.0E-07	3.0E-07	1.8E-08	1.1E-07	1.2E-07
449	UCART1	571390.55	4178238.99	571390.55, 4178238.99	6.12E-04	9.65529	8.54564	16.7848	0.01544	6.12E-06	2.21E-07	1.99E-05	3.78E-04	4.04E-04	4.0E-07	2.7E-07	1.4E-08	9.6E-08	1.1E-07
450	UCART1	571430.55	4178238.99	571430.55, 4178238.99	5.04E-04	8.17442	7.31302	12.28239	0.01391	5.18E-06	1.89E-07	1.46E-05	3.40E-04	3.60E-04	3.3E-07	2.4E-07	1.2E-08	8.5E-08	9.7E-08
451	UCART1	571470.55	4178238.99	571470.55, 4178238.99	4.21E-04	7.01133	6.33291	9.50156	0.0125	4.45E-06	1.64E-07	1.13E-05	3.06E-04	3.22E-04	2.8E-07	2.1E-07	9.8E-09	7.6E-08	8.6E-08
452	UCART1	571510.55	4178238.99	571510.55, 4178238.99	3.56E-04	6.08618	5.54419	7.65964	0.01117	3.86E-06	1.43E-07	9.10E-06	2.73E-04	2.86E-04	2.4E-07	1.9E-07	8.3E-09	6.8E-08	7.6E-08
453	UCART1	571550.55	4178238.99	571550.55, 4178238.99	3.05E-04	5.33861	4.90029	6.36502	0.00996	3.39E-06	1.27E-07	7.56E-06	2.44E-04	2.55E-04	2.0E-07	1.7E-07	7.1E-09	6.0E-08	6.7E-08
454	UCART1	571590.55	4178238.99	571590.55, 4178238.99	2.64E-04	4.725	4.36707	5.41017	0.00883	3.00E-06	1.13E-07	6.43E-06	2.16E-04	2.26E-04	1.7E-07	1.5E-07	6.2E-09	5.3E-08	6.0E-08
455	UCART1	571630.55	4178238.99	571630.55, 4178238.99	2.30E-04	4.21746	3.92228	4.68078	0.00786	2.67E-06	1.01E-07	5.56E-06	1.92E-04	2.01E-04	1.5E-07	1.3E-07	5.4E-09	4.7E-08	5.3E-08
456	UCART1	571670.55	4178238.99	571670.55, 4178238.99	2.03E-04	3.79275	3.5472	4.1073	0.00701	2.41E-06	9.17E-08	4.88E-06	1.72E-04	1.79E-04	1.3E-07	1.2E-07	4.7E-09	4.2E-08	4.7E-08
457	UCART1	571710.55	4178238.99	571710.55, 4178238.99	1.80E-04	3.43159	3.22619	3.64503	0.00628	2.18E-06	8.34E-08	4.33E-06	1.54E-04	1.60E-04	1.2E-07	1.1E-07	4.2E-09	3.8E-08	4.2E-08
458	UCART1	571750.55	4178238.99	571750.55, 4178238.99	1.60E-04	3.12213	2.94934	3.26468	0.00562	1.98E-06	7.62E-08	3.88E-06	1.38E-04	1.43E-04	1.1E-07	9.5E-08	3.8E-09	3.4E-08	3.8E-08
459	UCART1	571790.55	4178238.99	571790.55, 4178238.99	1.44E-04	2.85701	2.71057	2.94915	0.00506	1.81E-06	7.01E-08	3.50E-06	1.24E-04	1.29E-04	9.5E-08	8.5E-08	3.4E-09	3.1E-08	3.4E-08
460	UCART1	571830.55	4178238.99	571830.55, 4178238.99	1.30E-04	2.6259	2.50123	2.68167	0.00455	1.67E-06	6.47E-08	3.19E-06	1.11E-04	1.16E-04	8.6E-08	7.7E-08	3.0E-09	2.7E-08	3.1E-08
461	UCART1	571870.55	4178238.99	571870.55, 4178238.99	1.18E-04	2.42422	2.31747	2.45344	0.00413	1.54E-06	5.99E-08	2.91E-06	1.01E-04	1.06E-04	7.8E-08	7.0E-08	2.8E-09	2.5E-08	2.8E-08
462	UCART1	570230.55	4178278.99	570230.55, 4178278.99	3.50E-05	1.19036	1.25064	1.51612	0.0004	7.55E-07	3.23E-08	1.80E-06	9.79E-06	1.24E-05	2.3E-08	8.2E-09	8.2E-10	2.9E-09	3.7E-09
463	UCART1	570270.55	4178278.99	570270.55, 4178278.99	3.88E-05	1.30738	1.37652	1.67732	0.00046	8.29E-07	3.56E-08	1.99E-06	1.13E-05	1.41E-05	2.6E-08	9.3E-09	9.1E-10	3.3E-09	4.2E-09
464	UCART1	570310.55	4178278.99	570310.55, 4178278.99	4.33E-05	1.44416	1.52429	1.86577	0.00054	9.16E-07	3.94E-08	2.22E-06	1.32E-05	1.64E-05	2.9E-08	1.1E-08	1.0E-09	3.9E-09	4.9E-09
465	UCART1	570350.55	4178278.99	570350.55, 4178278.99	4.87E-05	1.60541	1.69951	2.08819	0.00065	1.02E-06	4.39E-08	2.48E-06	1.59E-05	1.94E-05	3.2E-08	1.3E-08	1.1E-09	4.6E-09	5.7E-09
466	UCART1	570390.55	4178278.99	570390.55, 4178278.99	5.53E-05	1.79701	1.90934	2.35312	0.00079	1.14E-06	4.94E-08	2.79E-06	1.93E-05	2.33E-05	3.7E-08	1.5E-08	1.3E-09	5.5E-09	6.8E-09
467	UCART1	570430.55	4178278.99	570430.55, 4178278.99	6.33E-05	2.02701	2.16396	2.67349	0.00098	1.29E-06	5.59E-08	3.18E-06	2.40E-05	2.85E-05	4.2E-08	1.9E-08	1.5E-09	6.7E-09	8.2E-09
468	UCART1	570470.55	4178278.99	570470.55, 4178278.99	7.33E-05	2.30473	2.47589	3.06482	0.00125	1.46E-06	6.40E-08	3.64E-06	3.06E-05	3.58E-05	4.9E-08	2.4E-08	1.7E-09	8.5E-09	1.0E-08
469	UCART1	570510.55	4178278.99	570510.55, 4178278.99	8.59E-05	2.64335	2.86379	3.55373	0.00161	1.68E-06	7.40E-08	4.22E-06	3.94E-05	4.54E-05	5.7E-08	3.0E-08	2.0E-09	1.1E-08	1.3E-08
470	UCART1	570550.55	4178278.99	570550.55, 4178278.99	1.02E-04	3.05911	3.35267	4.18078	0.00208	1.94E-06	8.67E-08	4.97E-06	5.09E-05	5.79E-05	6.7E-08	3.8E-08	2.4E-09	1.4E-08	1.6E-08
471	UCART1	570590.55	4178278.99	570590.55, 4178278.99	1.23E-04	3.57164	3.97578	5.01349	0.00254	2.26E-06	1.03E-07	5.95E-06	6.22E-05	7.05E-05	8.1E-08	4.7E-08	2.9E-09	1.7E-08	2.0E-08
472	UCART1	570630.55	4178278.99	570630.55, 4178278.99	1.49E-04	4.20579	4.77912	6.18445	0.00283	2.67E-06	1.24E-07	7.35E-06	6.92E-05	7.94E-05	9.9E-08	5.3E-08	3.5E-09	1.9E-08	2.2E-08
473	UCART1	570670.55	4178278.99	570670.55, 4178278.99	1.85E-04	4.98675	5.81643	7.96366	0.00287	3.16E-06	1.50E-07	9.46E-06	7.02E-05	8.30E-05	1.2E-07	5.5E-08	4.3E-09	2.0E-08	2.4E-08
474	UCART1	570710.55	4178278.99	570710.55, 4178278.99	2.31E-04	5.94635	7.15707	11.08942	0.00262	3.77E-06	1.85E-07	1.32E-05	6.41E-05	8.12E-05	1.5E-07	5.4E-08	5.4E-09	1.9E-08	2.5E-08
475	UCART1	570750.55	4178278.99	570750.55, 4178278.99	2.93E-04	7.13678	8.90451	18.57999	0.00235	4.53E-06	2.30E-07	2.21E-05	5.75E-05	8.43E-05	1.9E-07	5.6E-08	6.9E-09	2.0E-08	2.7E-08
476	UCART1	570790.55	4178278.99	570790.55, 4178278.99	3.76E-04	8.55982	11.06751	25.2478	0.00191	5.43E-06	2.86E-07	3.00E-05	4.67E-05	8.24E-05	2.5E-07	5.5E-08	8.8E-09	2.0E-08	2.8E-08
477	UCART1	570830.55	4178278.99	570830.55, 4178278.99	4.95E-04	10.36418	13.88786	29.5131	0.00145	6.57E-06	3.59E-07	3.51E-05	3.55E-05	7.75E-05	3.3E-07	5.1E-08	1.2E-08	1.8E-08	3.0E-08
478	UCART1	570870.55	4178278.99	570870.55, 4178278.99	6.71E-04	12.70813	17.63409	19.74628	0.00105	8.06E-06	4.56E-07	2.35E-05	2.57E-05	5.77E-05	4.4E-07	3.8E-08	1.6E-08	1.4E-08	2.9E-08
479	UCART1	570910.55	4178278.99	570910.55, 4178278.99	9.88E-04	15.85302	22.77475	15.36326	0.0018	1.01E-05	5.89E-07	1.82E-05	4.40E-05	7.29E-05	6.5E-07	4.8E-08	2.3E-08	1.7E-08	4.0E-08
480	UCART1	570950.55	4178278.99	570950.55, 4178278.99	1.61E-03	20.25385	30.11146	13.15478	0.00359	1.28E-05	7.78E-07	1.56E-05	8.78E-05	1.17E-04	1.1E-06	7.7E-08	3.8E-08	2.8E-08	6.5E-08
481	UCART1	571150.55	4178278.99	571150.55, 4178278.99	4.40E-03	49.18773	40.44292	16.06152	0.03434	3.12E-05	1.05E-06	1.91E-05	8.40E-04	8.92E-04	2.9E-06	5.9E-07	1.0E-07	2.1E-07	3.1E-07
482	UCART1	571190.55	4178278.99	571190.55, 4178278.99	3.58E-03	37.92202	28.93529	22.5525	0.04306	2.40E-05	7.48E-07	2.68E-05	1.05E-03	1.11E-03	2.4E-06	7.3E-07	8.4E-08	2.6E-07	3.5E-07

483	UCART1	571230.55	4178278.99	571230.55, 4178278.99	2.27E-03	27.72332	21.61161	28.79164	0.02806	1.76E-05	5.59E-07	3.42E-05	6.87E-04	7.39E-04	1.5E-06	4.9E-07	5.3E-08	1.7E-07	2.3E-07
484	UCART1	571270.55	4178278.99	571270.55, 4178278.99	1.57E-03	20.69258	16.76798	43.38722	0.02239	1.31E-05	4.33E-07	5.15E-05	5.48E-04	6.13E-04	1.0E-06	4.1E-07	3.7E-08	1.4E-07	1.8E-07
485	UCART1	571310.55	4178278.99	571310.55, 4178278.99	1.15E-03	16.03128	13.41974	25.63903	0.02042	1.02E-05	3.47E-07	3.05E-05	5.00E-04	5.41E-04	7.6E-07	3.6E-07	2.7E-08	1.3E-07	1.5E-07
486	UCART1	571350.55	4178278.99	571350.55, 4178278.99	8.80E-04	12.8242	11.00141	17.93728	0.01832	8.13E-06	2.84E-07	2.13E-05	4.48E-04	4.78E-04	5.8E-07	3.2E-07	2.1E-08	1.1E-07	1.3E-07
487	UCART1	571390.55	4178278.99	571390.55, 4178278.99	6.93E-04	10.52306	9.19973	13.46983	0.01631	6.67E-06	2.38E-07	1.60E-05	3.99E-04	4.22E-04	4.6E-07	2.8E-07	1.6E-08	1.0E-07	1.2E-07
488	UCART1	571430.55	4178278.99	571430.55, 4178278.99	5.59E-04	8.81379	7.82284	10.55525	0.01453	5.59E-06	2.02E-07	1.25E-05	3.56E-04	3.74E-04	3.7E-07	2.5E-07	1.3E-08	8.8E-08	1.0E-07
489	UCART1	571470.55	4178278.99	571470.55, 4178278.99	4.62E-04	7.51058	6.74951	8.55054	0.01285	4.76E-06	1.74E-07	1.02E-05	3.14E-04	3.30E-04	3.1E-07	2.2E-07	1.1E-08	7.8E-08	8.9E-08
490	UCART1	571510.55	4178278.99	571510.55, 4178278.99	3.86E-04	6.4854	5.89104	7.11096	0.01135	4.11E-06	1.52E-07	8.45E-06	2.78E-04	2.90E-04	2.6E-07	1.9E-07	9.0E-09	6.9E-08	7.8E-08
491	UCART1	571550.55	4178278.99	571550.55, 4178278.99	3.28E-04	5.66894	5.1971	6.03848	0.01005	3.59E-06	1.34E-07	7.17E-06	2.46E-04	2.57E-04	2.2E-07	1.7E-07	7.7E-09	6.1E-08	6.8E-08
492	UCART1	571590.55	4178278.99	571590.55, 4178278.99	2.83E-04	5.00606	4.62657	5.2143	0.00893	3.17E-06	1.20E-07	6.19E-06	2.19E-04	2.28E-04	1.9E-07	1.5E-07	6.6E-09	5.4E-08	6.1E-08
493	UCART1	571630.55	4178278.99	571630.55, 4178278.99	2.45E-04	4.45807	4.14978	4.56317	0.00792	2.83E-06	1.07E-07	5.42E-06	1.94E-04	2.02E-04	1.6E-07	1.3E-07	5.7E-09	4.8E-08	5.4E-08
494	UCART1	571670.55	4178278.99	571670.55, 4178278.99	2.16E-04	4.00245	3.74913	4.03849	0.00709	2.54E-06	9.69E-08	4.80E-06	1.73E-04	1.81E-04	1.4E-07	1.2E-07	5.0E-09	4.3E-08	4.8E-08
495	UCART1	571710.55	4178278.99	571710.55, 4178278.99	1.91E-04	3.61672	3.40695	3.60715	0.00637	2.29E-06	8.81E-08	4.28E-06	1.56E-04	1.63E-04	1.3E-07	1.1E-07	4.5E-09	3.8E-08	4.3E-08
496	UCART1	571750.55	4178278.99	571750.55, 4178278.99	1.70E-04	3.28695	3.11203	3.24711	0.0057	2.08E-06	8.04E-08	3.86E-06	1.39E-04	1.45E-04	1.1E-07	9.6E-08	4.0E-09	3.4E-08	3.8E-08
497	UCART1	571790.55	4178278.99	571790.55, 4178278.99	1.52E-04	3.00414	2.85703	2.94363	0.00513	1.90E-06	7.39E-08	3.50E-06	1.26E-04	1.31E-04	1.0E-07	8.7E-08	3.6E-09	3.1E-08	3.5E-08
498	UCART1	571830.55	4178278.99	571830.55, 4178278.99	1.37E-04	2.75843	2.63391	2.6843	0.00463	1.75E-06	6.81E-08	3.19E-06	1.13E-04	1.18E-04	9.1E-08	7.8E-08	3.2E-09	2.8E-08	3.1E-08
499	UCART1	571870.55	4178278.99	571870.55, 4178278.99	1.24E-04	2.54382	2.43772	2.46096	0.0042	1.61E-06	6.30E-08	2.92E-06	1.03E-04	1.07E-04	8.2E-08	7.1E-08	2.9E-09	2.5E-08	2.8E-08
500	UCART1	570230.55	4178318.99	570230.55, 4178318.99	3.54E-05	1.18207	1.24325	1.51723	0.00038	7.50E-07	3.21E-08	1.80E-06	9.30E-06	1.19E-05	2.3E-08	7.9E-09	8.3E-10	2.8E-09	3.6E-09
501	UCART1	570270.55	4178318.99	570270.55, 4178318.99	3.93E-05	1.29725	1.36738	1.68143	0.00044	8.23E-07	3.53E-08	2.00E-06	1.08E-05	1.36E-05	2.6E-08	9.0E-09	9.2E-10	3.2E-09	4.1E-09
502	UCART1	570310.55	4178318.99	570310.55, 4178318.99	4.39E-05	1.43175	1.51277	1.87364	0.00052	9.08E-07	3.91E-08	2.23E-06	1.27E-05	1.59E-05	2.9E-08	1.1E-08	1.0E-09	3.8E-09	4.8E-09
503	UCART1	570350.55	4178318.99	570350.55, 4178318.99	4.95E-05	1.59036	1.68487	2.101	0.00061	1.01E-06	4.36E-08	2.50E-06	1.49E-05	1.85E-05	3.3E-08	1.2E-08	1.2E-09	4.4E-09	5.5E-09
504	UCART1	570390.55	4178318.99	570390.55, 4178318.99	5.62E-05	1.77955	1.89117	2.37346	0.00073	1.13E-06	4.89E-08	2.82E-06	1.79E-05	2.19E-05	3.7E-08	1.4E-08	1.3E-09	5.2E-09	6.5E-09
505	UCART1	570430.55	4178318.99	570430.55, 4178318.99	6.46E-05	2.00723	2.14105	2.7028	0.00089	1.27E-06	5.53E-08	3.21E-06	2.18E-05	2.63E-05	4.3E-08	1.7E-08	1.5E-09	6.2E-09	7.7E-09
506	UCART1	570470.55	4178318.99	570470.55, 4178318.99	7.51E-05	2.28454	2.44825	3.10721	0.0011	1.45E-06	6.33E-08	3.69E-06	2.69E-05	3.21E-05	5.0E-08	2.1E-08	1.8E-09	7.6E-09	9.4E-09
507	UCART1	570510.55	4178318.99	570510.55, 4178318.99	8.84E-05	2.62731	2.83299	3.61569	0.00141	1.67E-06	7.32E-08	4.29E-06	3.45E-05	4.05E-05	5.9E-08	2.7E-08	2.1E-09	9.6E-09	1.2E-08
508	UCART1	570550.55	4178318.99	570550.55, 4178318.99	1.06E-04	3.05578	3.32307	4.26992	0.00184	1.94E-06	8.59E-08	5.07E-06	4.50E-05	5.21E-05	7.0E-08	3.4E-08	2.5E-09	1.2E-08	1.5E-08
509	UCART1	570590.55	4178318.99	570590.55, 4178318.99	1.29E-04	3.59881	3.96109	5.14624	0.00244	2.28E-06	1.02E-07	6.11E-06	5.97E-05	6.82E-05	8.5E-08	4.5E-08	3.0E-09	1.6E-08	1.9E-08
510	UCART1	570630.55	4178318.99	570630.55, 4178318.99	1.60E-04	4.29581	4.81111	6.39493	0.00308	2.72E-06	1.24E-07	7.60E-06	7.54E-05	8.58E-05	1.1E-07	5.7E-08	3.7E-09	2.0E-08	2.4E-08
511	UCART1	570670.55	4178318.99	570670.55, 4178318.99	2.03E-04	5.19065	5.95707	8.31681	0.0035	3.29E-06	1.54E-07	9.88E-06	8.56E-05	9.90E-05	1.3E-07	6.5E-08	4.7E-09	2.3E-08	2.8E-08
512	UCART1	570710.55	4178318.99	570710.55, 4178318.99	2.62E-04	6.34522	7.53057	11.81624	0.00349	4.02E-06	1.95E-07	1.40E-05	8.54E-05	1.04E-04	1.7E-07	6.9E-08	6.1E-09	2.5E-08	3.1E-08
513	UCART1	570750.55	4178318.99	570750.55, 4178318.99	3.40E-04	7.79589	9.66925	21.00957	0.0031	4.94E-06	2.50E-07	2.50E-05	7.59E-05	1.06E-04	2.3E-07	7.0E-08	8.0E-09	2.5E-08	3.3E-08
514	UCART1	570790.55	4178318.99	570790.55, 4178318.99	4.62E-04	9.70857	12.66756	24.69706	0.00192	6.16E-06	3.27E-07	2.93E-05	4.70E-05	8.28E-05	3.1E-07	5.5E-08	1.1E-08	2.0E-08	3.0E-08
515	UCART1	570830.55	4178318.99	570830.55, 4178318.99	6.55E-04	12.1791	16.74551	26.79062	0.00195	7.72E-06	4.33E-07	3.18E-05	4.77E-05	8.77E-05	4.3E-07	5.8E-08	1.5E-08	2.1E-08	3.6E-08
516	UCART1	570870.55	4178318.99	570870.55, 4178318.99	9.76E-04	15.49647	22.55459	18.94991	0.00241	9.83E-06	5.83E-07	2.25E-05	5.90E-05	9.19E-05	6.5E-07	6.1E-08	2.3E-08	2.2E-08	4.5E-08
517	UCART1	570910.55	4178318.99	570910.55, 4178318.99	1.69E-03	20.24352	31.39756	15.33155	0.00421	1.28E-05	8.12E-07	1.82E-05	1.03E-04	1.35E-04	1.1E-06	8.9E-08	4.0E-08	3.2E-08	7.2E-08
518	UCART1	571190.55	4178318.99	571190.55, 4178318.99	4.34E-03	55.57707	35.08502	29.09949	0.05144	3.52E-05	9.07E-07	3.46E-05	1.26E-03	1.33E-03	2.9E-06	8.8E-07	1.0E-07	3.1E-07	4.2E-07
519	UCART1	571230.55	4178318.99	571230.55, 4178318.99	2.64E-03	34.75961	24.97281	43.95202	0.05453	2.20E-05	6.46E-07	5.22E-05	1.33E-03	1.41E-03	1.7E-06	9.3E-07	6.2E-08	3.3E-07	4.0E-07
520	UCART1	571270.55	4178318.99	571270.55, 4178318.99	1.77E-03	24.34121	18.85707	26.20378	0.02471	1.54E-05	4.87E-07	3.11E-05	6.05E-04	6.52E-04	1.2E-06	4.3E-07	4.1E-08	1.5E-07	2.0E-07
521	UCART1	571310.55	4178318.99	571310.55, 4178318.99	1.27E-03	18.23455	14.82815	18.62371	0.02166	1.16E-05	3.83E-07	2.21E-05	5.30E-04	5.64E-04	8.4E-07	3.7E-07	3.0E-08	1.3E-07	1.6E-07
522	UCART1	571350.55	4178318.99	571350.55, 4178318.99	9.56E-04	14.28752	12.01944	14.19532	0.01913	9.06E-06	3.11E-07	1.69E-05	4.68E-04	4.94E-04	6.3E-07	3.3E-07	2.2E-08	1.2E-07	1.4E-07
523	UCART1	571390.55	4178318.99	571390.55, 4178318.99	7.48E-04	11.56156	9.97512	11.26377	0.01681	7.33E-06	2.58E-07	1.34E-05	4.11E-04	4.32E-04	4.9E-07	2.9E-07	1.7E-08	1.0E-07	1.2E-07
524	UCART1	571430.55	4178318.99	571430.55, 4178318.99	6.00E-04	9.58617	8.43554	9.21094	0.01474	6.08E-06	2.18E-07	1.09E-05	3.61E-04	3.78E-04	4.0E-07	2.5E-07	1.4E-08	8.9E-08	1.0E-07
525	UCART1	571470.55	4178318.99	571470.55, 4178318.99	4.92E-04	8.10463	7.24561	7.69981	0.013	5.14E-06	1.87E-07	9.15E-06	3.18E-04	3.33E-04	3.3E-07	2.2E-07	1.2E-08	7.9E-08	9.0E-08
526	UCART1	571510.55	4178318.99	571510.55, 4178318.99	4.11E-04	6.95989	6.30395	6.5544	0.01146	4.41E-06	1.63E-07	7.79E-06	2.80E-04	2.93E-04	2.7E-07	1.9E-07	9.6E-09	6.9E-08	7.9E-08
527	UCART1	571550.55	4178318.99	571550.55, 4178318.99	3.48E-04	6.05343	5.54353	5.66295	0.01016	3.84E-06	1.43E-07	6.73E-06	2.49E-04	2.59E-04	2.3E-07	1.7E-07	8.1E-09	6.1E-08	6.9E-08
528	UCART1	571590.55	4178318.99	571590.55, 4178318.99	2.98E-04	5.32349	4.92044	4.95375	0.00907	3.38E-06	1.27E-07	5.88E-06	2.22E-04	2.31E-04	2.0E-07	1.5E-07	7.0E-09	5.5E-08	6.2E-08
529	UCART1	571630.55	4178318.99	571630.55, 4178318.99	2.58E-04	4.72766	4.40408	4.38051	0.00808	3.00E-06	1.14E-07	5.20E-06	1.98E-04	2.06E-04	1.7E-07	1.4E-07	6.0E-09	4.9E-08	5.5E-08
530	UCART1	571670.55	4178318.99	571670.55, 4178318.99	2.26E-04	4.23231	3.96932	3.9088	0.00722	2.68E-06	1.03E-07	4.64E-06	1.77E-04	1.84E-04	1.5E-07	1.2E-07	5.3E-09	4.4E-08	4.9E-08
531	UCART1	571710.55	4178318.99	571710.55, 4178318.99	2.00E-04	3.81611	3.59987	3.51532	0.00647	2.42E-06	9.31E-08	4.18E-06	1.58E-04	1.65E-04	1.3E-07	1.1E-07	4.7E-09	3.9E-08	4.4E-08
532	UCART1	571750.55	4178318.99	571750.55, 4178318.99	1.78E-04	3.46315	3.28334	3.18327	0.00583	2.20E-06	8.49E-08	3.78E-06	1.43E-04	1.49E-04	1.2E-07	9.8E-08	4.2E-09	3.5E-08	3.9E-08
533	UCART1	571790.55	4178318.99	571790.55, 4178318.99	1.59E-04	3.15837	3.00781	2.89858	0.00527	2.00E-06	7.78E-08	3.44E-06	1.29E-04	1.34E-04	1.1E-07	8.9E-08	3.7E-09	3.2E-08	3.6E-08
534	UCART1	571830.55	4178318.99	571830.55, 4178318.99	1.43E-04	2.89518	2.7679	2.65341	0.00478	1.84E-06	7.15E-08	3.15E-06	1.17E-04	1.22E-04	9.5E-08	8.1E-08	3.3E-09	2.9E-08	3.2E-08
535	UCART1	571870.55	4178318.99	571870.55, 4178318.99	1.30E-04	2.66648	2.55794	2.44101	0.00431	1.69E-06	6.61E-08	2.90E-06	1.05E-04	1.10E-04	8.6E-08	7.3E-08	3.0E-09	2.6E-08	2.9E-08
536	UCART1	570230.55	4178358.99	570230.55, 4178358.99	3.59E-05	1.17495	1.2365	1.51502	0.00037	7.45E-07	3.20E-08	1.80E-06	9.05E-06	1.16E-05	2.4E-08	7.7E-09	8.4E-10	2.8E-09	3.6E-09
537	UCART1	570270.55	4178358.99	570270.55, 4178358.99	3.98E-05	1.28843	1.35918	1.68115	0.00043	8.17E-07	3.51E-08	2.00E-06	1.05E-05	1.34E-05	2.6E-08	8.8E-09	9.3E-10	3.2E-09	4.1E-09
538	UCART1	570310.55	4178358.99	570310.55, 4178358.99	4.45E-05	1.42078	1.50277	1.87646	0.0005	9.01E-07	3.88E-08	2.23E-06	1.22E-05	1.54E-05	2.9E-08	1.0E-08	1.0E-09	3.6E-09	4.7E-09
539	UCART1	570350.55	4178358.99	570350.55, 4178358.99	5.02E-05	1.57529	1.6704	2.10181	0.00058	9.99E-07	4.32E-08	2.50E-06	1.42E-05	1.77E-05	3.3E-08	1.2E-08	1.2E-09	4.2E-09	5.4E-09
540	UCART1	570390.55	4178358.99	570390.55, 4178358.99	5.72E-05	1.76138	1.87353	2.37862	0.00069	1.12E-06	4.84E-08	2.83E-06	1.69E-05	2.09E-05	3.8E-08	1.4E-08	1.3E-09	4.9E-09	6.3E-09
541	UCART1	570430.55	4178358.99	570430.55, 4178358.99	6.58E-05	1.98586	2.1197	2.7153	0.00083	1.26E-06	5.48E-08	3.23E-06	2.03E-05	2.48E-05	4.4E-08	1.6E-08	1.5E-09	5.9E-09	7.4E-09
542	UCART1	570470.55	4178358.99	570470.55, 4178358.99	7.67E-05	2.25923	2.4211	3.12765	0.001	1.43E-06	6.26E-08	3.71E-06	2.45E-05	2.97E-05	5.1E-08	2.0E-08	1.8E-09	7.0E-09	8.8E-09
543	UCART1	570510.55	4178358.99	570510.55, 4178358.99	9.07E-05	2.59881	2.79852	3.64752	0.00124	1.65E-06	7.23E-08	4.33E-06	3.03E-05	3.64E-05	6.0E-08	2.4E-08	2.1E-09	8.6E-09	1.1E-08
544	UCART1	570550.55	4178358.99	570550.55, 4178358.99	1.09E-04	3.02786	3.28082	4.32007	0.00159	1.92E-06	8.48E-08	5.13E-06	3.89E-05	4.60E-05	7.2E-08	3.0E-08	2.6E-09	1.1E-08	1.3E-08
545	UCART1	570590.55	4178358.99	570590.55, 4178358.99	1.34E-04	3.58234	3.91499	5.23084	0.00211	2.27E-06	1.01E-07	6.21E-06	5.16E-05	6.02E-05	8.9E-08	4.0E-08	3.1E-09	1.4E-08	1.7E-08
546	UCART1	570630.55	4178358.99	570630.55, 4178358.99	1.69E-04	4.31187	4.77169	6.53444	0.00289	2.73E-06	1.23E-07	7.76E-06	7.07E-05	8.13E-05	1.1E-07	5.4E-08	4.0E-09	1.9E-08	2.3E-08
547	UCART1	570670.55	4178358.99	570670.55, 4178358.99	2.20E-04	5.28402	5.95883	8.5461	0.00375	3.35E-06	1.54E-07	1.02E-05	9.18E-05	1.05E-04	1.5E-07	7.0E-08	5.1E-09	2.5E-08	3.0E-08
548	UCART1	570710.55	4178358.99	570710.55, 4178358.99	2.95E-04	6.60072	7.6615	12.17673	0.00428	4.19E-06	1.98E-07	1.45E-05	1.05E-04	1.24E-04	1.9E-07	8.2E-08	6.9E-09	2.9E-08	3.6E-08
549	UCART1	570750.55	4178358.99	570750.55, 4178358.99	4.09E-04	8.40354	10.20175	21.96673	0.0042	5.33E-06	2.64E-07	2.61E-05	1.03E-04	1.34E-04	2.7E-07	8.9E-08	9.6E-09	3.2E-08	4.1E-08
550	UCART1	570790.55	4178358.99	570790.55, 4178358.99	5.71E-04	10.77846	13.91874	34.15186	0.00288	6.83E-06	3.60E-07	4.06E-05	7.05E-05	1.18E-04	3.8E-07	7.8E-08	1.3E-08	2.8E-08	4.1E-08
551	UCART1	570830.55	4178358.99	570830.55, 4178358.99	9.00E-04	14.25678	19.84152	24.43852	0.0025	9.04E-06	5.13E-07	2.90E-05	6.12E-05	9.98E-05	6.0E-07	6.6E-08	2.1E-08	2.4E-08	4.5E-08
552	UCART1	570870.55	4178358.99	570870.55, 4178358.99	1.59E-03	19.04089	28.91077	18.42805	0.00507	1.21E-05	7.47E-07	2.19E-05	1.24E-04	1.59E-04	1.1E-06	1.1E-07	3.7E-08	3.8E-08	7.5E-08
553	UCART1	571150.55	4178358.99	571150.55, 4178358.99	5.65E-03	104.2499	53.89923	37.19203	0.04719	6.61E-05	1.39E-06	4.42E-05	1.15E-03	1.27E-03	3.7E-06	8.4E-07	1.3E-07	3.0E-07	4.3E-07
554	UCART1	571190.55	4178358.99	571190.55, 4178358.99	3.78E-03	57.82912	36.33552	44.64277	0.05714	3.67E-05	9.39E-07	5.30E-05	1.40E-03	1.49E-03	2.5E-06	9.9E-07	8.9E-08	3.5E-07	4.4E-07
555	UCART1	571230.55	4178358.99	571230.55, 4178358.99	2.44E-03	36.93891	26.23743	26.85894	0.055	2.34E-05	6.78E-07	3.19E-05	1.35E-03	1.40E-03	1.6E-06	9.3E-07	5.7E-08	3.3E-07	3.9E-07
556	UCART1	571270.55	4178358.99	571270.55, 4178358.99	1.70E-03	25.91935	19.90053	19.14911	0.02696	1.64E-05	5.14E-07	2.27E-05	6.60E-04	6.99E-04	1.1E-06	4.6E-07	4.0E-08	1.7E-07	2.1E-07
557	UCART1	571310.55	4178358.99	571310.55, 4178358.99	1.25E-03	19.37509	15.67076	14.71337	0.02242	1.23E-05	4.05E-07	1.75E-05	5.49E-04	5.79E-04	8.3E-07	3.8E-07	2.9E-08	1.4E-07	1.7E-07
558	UCART1	571350.55	4178358.99	571350.55, 4178358.99	9.60E-04	15.138	12.70243	11.76569	0.01952	9.60E-06	3.28E-07	1.40E-05	4.78E-04	5.02E-04	6.4E-07	3.3E-07	2.2E-08	1.2E-07	1.4E-07
559	UCART1	571390.55	4178358.99	571390.55, 4178358.99	7.58E-04	12.2154	10.53397	9.68866	0.017	7.75E-06	2.72E-07	1.15E-05	4.16E-04	4.36E-04	5.0E-07	2.9E-07	1.8E-08	1.0E-07	1.2E-07
560	UCART1	571430.55	4178358.99	571430.55, 4178358.99	6.13E-04	10.1041	8.8983	8.14856	0.015	6.41E-06	2.30E-07	9.68E-06	3.67E-04	3.83E-04	4.1E-07	2.5E-07	1.4E-08	9.1E-08	1.1E-07
561	UCART1	571470.55	4178358.99	571470.55, 4178358.99	5.04E-04	8.52327	7.63164	6.96586	0.01322	5.40E-06	1.97E-07	8.27E-06	3.23E-04	3.37E-04	3.3E-07	2.2E-07	1.2E-08	8.0E-08	9.2E-08
562	UCART1	571510.55	4178358.99	571510.55, 4178358.99	4.22E-04	7.30607	6.62961	6.0337	0.01171	4.63E-06	1.71E-07	7.17E-06	2.87E-04	2.99E-04	2.8E-07	2.0E-07	9.9E-09	7.1E-08	8.0E-08
563	UCART1	571550.55	4178358.99	571550.55, 4178358.99	3.58E-04	6.34532	5.82131	5.28621	0.01042	4.02E-06	1.50E-07	6.28E-06	2.55E-04	2.65E-04	2.4E-07	1.8E-07	8.4E-09	6.3E-08	7.1E-08
564	UCART1	571590.55	4178358.99	571590.55, 4178358.99	3.07E-04	5.56911	5.15653	4.67499	0.00929	3.53E-06	1.33E-07	5.55E-06	2.27E-04	2.37E-04	2.0E-07	1.6E-07	7.2E-09	5.6E-08	6.3E-08
565	UCART1	571630.55	4178358.99	571630.55, 4178358.99	2.66E-04	4.93927	4.60789	4.17133	0.00832	3.13E-06	1.19E-07	4.95E-06	2.04E-04	2.12E-04	1.8E-07	1.4E-07	6.2E-09	5.0E-08	5.6E-08
566	UCART1	571670.55	4178358.99	571670.55, 4178358.99	2.33E-04	4.41683	4.1468	3.75023	0.00747	2.80E-06	1.07E-07	4.45E-06	1.83E-04	1.90E-04	1.5E-07	1.3E-07	5.5E-09	4.5E-08	5.0E-08
567	UCART1	571710.55	4178358.99	571710.55, 4178358.99	2.06E-04	3.97883	3.75571	3.39453	0.00673	2.52E-06	9.71E-08	4.03E-06	1.65E-04	1.71E-04	1.4E-07	1.1E-07	4.8E-09	4.1E-08	4.5E-08
568	UCART1	571750.55	4178358.99	571750.55, 4178358.99	1.83E-04	3.60465	3.41871	3.08988	0.00604	2.29E-06	8.84E-08	3.67E-06	1.48E-04	1.54E-04	1.2E-07	1.0E-07	4.3E-09	3.6E-08	4.1E-08
569	UCART1	571790.55	4178358.99	571790.55, 4178358.99	1.64E-04	3.28473	3.12798	2.82752	0.00546	2.08E-06	8.09E-08	3.36E-06	1.34E-04	1.39E-04	1.1E-07	9.2E-08	3.8E-09	3.3E-08	3.7E-08
570	UCART1	571830.55	4178358.99	571830.55, 4178358.99	1.48E-04	3.00778	2.87445	2.59924	0.00497	1.91E-06	7.43E-08	3.09E-06	1.22E-04	1.27E-04	9.8E-08	8.4E-08	3.5E-09	3.0E-08	3.3E-08
571	UCART1	571870.55	4178358.99	571870.55, 4178358.99	1.34E-04	2.76716	2.65269	2.3998	0.00451	1.75E-06	6.86E-08	2.85E-06	1.10E-04	1.15E-04	8.8E-08	7.6E-08	3.1E-09	2.7E-08	3.0E-08
572	UCART1	570230.55	4178398.99	570230.55, 4178398.99	3.60E-05	1.16587	1.22694	1.5081	0.00036	7.39E-07	3.17E-08	1.79E-06	8.81E-06	1.14E-05	2.4E-08	7.5E-09	8.4E-10	2.7E-09	3.5E-09
573	UCART1	570270.55	4178398.99	570270.55, 4178398.99	3.99E-05	1.27676	1.34699	1.67446	0.00041	8.10E-07	3.48E-08	1.99E-06	1.00E-05	1.29E-05	2.6E-08	8.5E-09	9.3E-10	3.0E-09	4.0E-09
574	UCART1	570310.55	4178398.99	570310.55, 4178398.99	4.48E-05	1.40816	1.48965	1.87114	0.00048	8.93E-07	3.85E-08	2.22E-06	1.17E-05	1.49E-05	3.0E-08	9.9E-09	1.0E-09	3.5E-09	4.6E-09
575	UCART1	570350.55	4178398.99	570350.55, 4178398.99	5.09E-05	1.56102	1.65526	2.09511	0.00056	9.90E-07	4.28E-08	2.49E-06	1.37E-05	1.72E-05	3.4E-08	1.1E-08	1.2E-09	4.1E-09	5.3E-09
576	UCART1	570390.55	4178398.99	570390.55, 4178398.99	5.81E-05	1.74499	1.85654	2.37632	0.00066	1.11E-06	4.80E-08	2.82E-06	1.62E-05	2.01E-05	3.8E-08	1.3E-08	1.4E-09	4.8E-09	6.1E-09
577	UCART1	570430.55	4178398.99	570430.55, 4178398.99	6.69E-05	1.96491	2.09807	2.71399	0.00078	1.25E-06	5.42E-08	3.22E-06	1.91E-05	2.36E-05	4.4E-08	1.6E-08	1.6E-09	5.6E-09	7.2E-09
578	UCART1	570470.55	4178398.99	570470.55, 4178398.99	7.82E-05	2.23254	2.39328	3.12756	0.00094	1.42E-06	6.19E-08	3.71E-06	2.30E-05	2.82E-05	5.2E-08	1.9E-08	1.8E-09	6.7E-09	8.5E-09
579	UCART1	570510.55	4178398.99	570510.55, 4178398.99	9.27E-05	2.56513	2.76225	3.65023	0.00114	1.63E-06	7.14E-08	4.34E-06	2.79E-05	3.39E-05	6.1E-08	2.2E-08	2.2E-09	8.0E-09	1.0E-08
580	UCART1	570550.55	4178398.99	570550.55, 4178398.99	1.12E-04	2.98665	3.23328	4.32942	0.00141	1.89E-06	8.36E-08	5.14E-06	3.45E-05	4.16E-05	7.4E-08	2.8E-08	2.6E-09	9.8E-09	1.2E-08
581	UCART1	570590.55	4178398.99	570590.55, 4178398.99	1.39E-04	3.53504	3.85246	5.25499	0.00181	2.24E-06	9.96E-08	6.24E-06	4.43E-05	5.29E-05	9.2E-08	3.5E-08	3.2E-09	1.3E-08	1.6E-08
582	UCART1	570630.55	4178398.99	570630.55, 4178398.99	1.77E-04	4.26352	4.68773	6.57516	0.00241	2.70E-06	1.21E-07	7.81E-06	5.90E-05	6.96E-05	1.2E-07	4.6E-08	4.1E-09	1.6E-08	2.1E-08
583	UCART1	570670.55	4178398.99	570670.55, 4178398.99	2.34E-04	5.26143	5.85835	8.6181	0.00336	3.34E-06	1.51E-07	1.02E-05	8.22E-05	9.59E-05	1.5E-07	6.3E-08	5.5E-09	2.3E-08	2.8E-08
584	UCART1	570710.55	4178398.99	570710.55, 4178398.99	3.25E-04	6.67331	7.57789	12.23313	0.00445	4.23E-06	1.96E-07	1.45E-05	1.09E-04	1.28E-04	2.1E-07	8.5E-08	7.6E-09	3.0E-08	3.8E-08
585	UCART1	570750.55	4178398.99	570750.55, 4178398.99	4.74E-04	8.72632	10.27595	21.74998	0.006	5.53E-06	2.66E-07	2.58E-05	1.47E-04	1.78E-04	3.1E-07	1.2E-07	1.1E-08	4.2E-08	5.3E-08
586	UCART1	570790.55	4178398.99	570790.55, 4178398.99	7.23E-04	11.72001	14.65514	33.15188	0.00438	7.43E-06	3.79E-07	3.94E-05	1.07E-04	1.54E-04	4.8E-07	1.0E-07	1.7E-08	3.7E-08	5.3E-08
587	UCART1	570830.55	4178398.99	570830.55, 4178398.99	1.39E-03	16.57675	22.82726	24.50657	0.00455	1.05E-05	5.90E-07	2.91E-05	1.11E-04	1.52E-04	9.2E-07	1.0E-07	3.2E-08	3.6E-08	6.8E-08
588	UCART1	571110.55	4178398.99	571110.55, 4178398.99	6.43E-03	82.84689	64.20375	31.44206	0.04905	5.25E-05	1.66E-06	3.73E-05	1.20E-03	1.29E-03	4.3E-06	8.5E-07	1.5E-07	3.1E-07	4.6E-07
589	UCART1	571150.55	4178398.99	571150.55, 4178398.99	4.11E-03	57.41366	44.06172	45.16373	0.04922	3.64E-05	1.14E-06	5.36E-05	1.20E-03	1.30E-03	2.7E-06	8.6E-07	9.6E-08	3.1E-07	4.0E-07
590	UCART1	571190.55	4178398.99	571190.55, 4178398.99	2.80E-03	40.7409	31.97012	27.59974	0.04952	2.58E-05	8.26E-07	3.28E-05	1.21E-03	1.27E-03	1.9E-06	8.4E-07	6.6E-08	3.0E-07	3.7E-07
591	UCART1	571230.55	4178398.99	571230.55, 4178398.99	2.00E-03	30.02394	24.22572	19.5684	0.05375	1.90E-05	6.26E-07	2.32E-05	1.32E-03	1.36E-03	1.3E-06	9.0E-07	4.7E-08	3.2E-07	3.7E-07
592	UCART1	571270.55	4178398.99	571270.55, 4178398.99	1.48E-03	22.91674	18.98588	15.10501	0.03004	1.45E-05	4.91E-07	1.79E-05	7.35E-04	7.68E-04	9.8E-07	5.1E-07	3.5E-08	1.8E-07	2.2E-07
593	UCART1	571310.55	4178398.99	571310.55, 4178398.99	1.14E-03	18.01183	15.27771	12.15193	0.023	1.14E-05	3.95E-07	1.44E-05	5.63E-04	5.89E-04	7.5E-07	3.9E-07	2.7E-08	1.4E-07	1.7E-07
594	UCART1	571350.55	4178398.99	571350.55, 4178398.99	8.99E-04	14.51608	12.56452	10.05286	0.02003	9.20E-06	3.25E-07	1.19E-05	4.90E-04	5.12E-04	5.9E-07	3.4E-07	2.1E-08	1.2E-07	1.4E-07
595	UCART1	571390.55	4178398.99	571390.55, 4178398.99	7.25E-04	11.94958	10.52152	8.48275	0.01756	7.58E-06	2.72E-07	1.01E-05	4.30E-04	4.48E-04	4.8E-07	3.0E-07	1.7E-08	1.1E-07	1.2E-07
596	UCART1	571430.55	4178398.99	571430.55, 4178398.99	5.95E-04	10.01662	8.94744	7.27859	0.0155	6.35E-06	2.31E-07	8.65E-06	3.79E-04	3.95E-04	3.9E-07	2.6E-07	1.4E-08	9.3E-08	1.1E-07
597	UCART1	571470.55	4178398.99	571470.55, 4178398.99	4.96E-04	8.52627	7.70953	6.33086	0.01373	5.41E-06	1.99E-07	7.52E-06	3.36E-04	3.49E-04	3.3E-07	2.3E-07	1.2E-08	8.3E-08	9.4E-08
598	UCART1	571510.55	4178398.99	571510.55, 4178398.99	4.19E-04	7.35538	6.71828	5.55794	0.01222	4.66E-06	1.74E-07	6.60E-06	2.99E-04	3.10E-04	2.8E-07	2.1E-07	9.8E-09	7.3E-08	8.3E-08
599	UCART1	571550.55	4178398.99	571550.55, 4178398.99	3.58E-04	6.41592	5.9112	4.92566	0.0109	4.07E-06	1.53E-07	5.85E-06	2.67E-04	2.77E-04	2.4E-07	1.8E-07	8.4E-09	6.5E-08	7.4E-08
600	UCART1	571590.55	4178398.99	571590.55, 4178398.99	3.08E-04	5.64942	5.24406	4.39826	0.00969	3.58E-06	1.36E-07	5.22E-06	2.37E-04	2.46E-04	2.0E-07	1.6E-07	7.2E-09	5.8E-08	6.5E-08
601	UCART1	571630.55	4178398.99	571630.55, 4178398.99	2.68E-04	5.01907	4.68822	3.9545	0.00868	3.18E-06	1.21E-07	4.70E-06	2.12E-04	2.20E-04	1.8E-07	1.5E-07	6.3E-09	5.2E-08	5.8E-08
602	UCART1	571670.55	4178398.99	571670.55, 4178398.99	2.36E-04	4.49651	4.22214	3.57973	0.00777	2.85E-06	1.09E-07	4.25E-06	1.90E-04	1.97E-04	1.6E-07	1.3E-07	5.5E-09	4.7E-08	5.2E-08
603	UCART1	571710.55	4178398.99	571710.55, 4178398.99	2.09E-04	4.05435	3.82441	3.25862	0.00702	2.57E-06	9.89E-08	3.87E-06	1.72E-04	1.78E-04	1.4E-07	1.2E-07	4.9E-09	4.2E-08	4.7E-08
604	UCART1	571750.55	4178398.99	571750.55, 4178398.99	1.86E-04	3.6749	3.48081	2.98056	0.00635	2.33E-06	9.00E-08	3.54E-06	1.55E-04	1.61E-04	1.2E-07	1.1E-07	4.3E-09	3.8E-08	4.3E-08
605	UCART1	571790.55	4178398.99	571790.55, 4178398.99	1.66E-04	3.34971	3.18412	2.73928	0.00577	2.12E-06	8.23E-08	3.25E-06	1.41E-04	1.47E-04	1.1E-07	9.7E-08	3.9E-09	3.5E-08	3.9E-08

606	UCART1	571830.55	4178398.99	571830.55, 4178398.99	1.50E-04	3.06825	2.92573	2.52831	0.00524	1.95E-06	7.56E-08	3.00E-06	1.28E-04	1.33E-04	9.9E-08	8.8E-08	3.5E-09	3.2E-08	3.5E-08
607	UCART1	571870.55	4178398.99	571870.55, 4178398.99	1.36E-04	2.8237	2.69994	2.34309	0.00479	1.79E-06	6.98E-08	2.78E-06	1.17E-04	1.22E-04	9.0E-08	8.1E-08	3.2E-09	2.9E-08	3.2E-08
608	UCART1	570230.55	4178438.99	570230.55, 4178438.99	3.63E-05	1.15604	1.21513	1.49522	0.00034	7.33E-07	3.14E-08	1.78E-06	8.32E-06	1.09E-05	2.4E-08	7.2E-09	8.5E-10	2.6E-09	3.4E-09
609	UCART1	570270.55	4178438.99	570270.55, 4178438.99	4.02E-05	1.26435	1.3322	1.65983	0.00039	8.02E-07	3.44E-08	1.97E-06	9.54E-06	1.24E-05	2.7E-08	8.2E-09	9.4E-10	2.9E-09	3.9E-09
610	UCART1	570310.55	4178438.99	570310.55, 4178438.99	4.50E-05	1.39275	1.47141	1.85633	0.00045	8.83E-07	3.80E-08	2.20E-06	1.10E-05	1.41E-05	3.0E-08	9.4E-09	1.1E-09	3.3E-09	4.4E-09
611	UCART1	570350.55	4178438.99	570350.55, 4178438.99	5.13E-05	1.54676	1.63893	2.09073	0.00054	9.81E-07	4.24E-08	2.48E-06	1.32E-05	1.67E-05	3.4E-08	1.1E-08	1.2E-09	4.0E-09	5.2E-09
612	UCART1	570390.55	4178438.99	570390.55, 4178438.99	5.86E-05	1.72628	1.83508	2.36805	0.00063	1.09E-06	4.74E-08	2.81E-06	1.54E-05	1.94E-05	3.9E-08	1.3E-08	1.4E-09	4.6E-09	6.0E-09
613	UCART1	570430.55	4178438.99	570430.55, 4178438.99	6.80E-05	1.94023	2.06859	2.69249	0.00074	1.23E-06	5.35E-08	3.20E-06	1.81E-05	2.26E-05	4.5E-08	1.5E-08	1.6E-09	5.3E-09	6.9E-09
614	UCART1	570470.55	4178438.99	570470.55, 4178438.99	7.95E-05	2.20022	2.35489	3.0982	0.00088	1.40E-06	6.09E-08	3.68E-06	2.15E-05	2.67E-05	5.3E-08	1.8E-08	1.9E-09	6.3E-09	8.2E-09
615	UCART1	570510.55	4178438.99	570510.55, 4178438.99	9.46E-05	2.5274	2.71768	3.62386	0.00106	1.60E-06	7.03E-08	4.30E-06	2.59E-05	3.19E-05	6.3E-08	2.1E-08	2.2E-09	7.5E-09	9.8E-09
616	UCART1	570550.55	4178438.99	570550.55, 4178438.99	1.15E-04	2.93903	3.17684	4.30076	0.00129	1.86E-06	8.21E-08	5.11E-06	3.16E-05	3.86E-05	7.6E-08	2.6E-08	2.7E-09	9.1E-09	1.2E-08
617	UCART1	570590.55	4178438.99	570590.55, 4178438.99	1.43E-04	3.47124	3.77489	5.21208	0.0016	2.20E-06	9.76E-08	6.19E-06	3.92E-05	4.76E-05	9.4E-08	3.2E-08	3.3E-09	1.1E-08	1.5E-08
618	UCART1	570630.55	4178438.99	570630.55, 4178438.99	1.83E-04	4.17986	4.57903	6.50798	0.00202	2.65E-06	1.18E-07	7.73E-06	4.94E-05	5.99E-05	1.2E-07	4.0E-08	4.3E-09	1.4E-08	1.8E-08
619	UCART1	570670.55	4178438.99	570670.55, 4178438.99	2.45E-04	5.15807	5.70194	8.4919	0.00265	3.27E-06	1.47E-07	1.01E-05	6.48E-05	7.83E-05	1.6E-07	5.2E-08	5.7E-09	1.9E-08	2.4E-08
620	UCART1	570710.55	4178438.99	570710.55, 4178438.99	3.48E-04	6.57033	7.35283	11.96109	0.00369	4.17E-06	1.90E-07	1.42E-05	9.03E-05	1.09E-04	2.3E-07	7.2E-08	8.1E-09	2.6E-08	3.4E-08
621	UCART1	570750.55	4178438.99	570750.55, 4178438.99	5.33E-04	8.70123	9.96016	21.1339	0.00585	5.52E-06	2.57E-07	2.51E-05	1.43E-04	1.74E-04	3.5E-07	1.2E-07	1.2E-08	4.1E-08	5.4E-08
622	UCART1	570790.55	4178438.99	570790.55, 4178438.99	9.50E-04	12.19384	14.52948	25.02746	0.00725	7.73E-06	3.76E-07	2.97E-05	1.77E-04	2.15E-04	6.3E-07	1.4E-07	2.2E-08	5.1E-08	7.3E-08
623	UCART1	571070.55	4178438.99	571070.55, 4178438.99	5.92E-03	79.80064	65.12168	31.15822	0.05182	5.06E-05	1.68E-06	3.70E-05	1.27E-03	1.36E-03	3.9E-06	9.0E-07	1.4E-07	3.2E-07	4.6E-07
624	UCART1	571110.55	4178438.99	571110.55, 4178438.99	4.54E-03	55.64561	46.18052	45.67837	0.05138	3.53E-05	1.19E-06	5.43E-05	1.26E-03	1.35E-03	3.0E-06	8.9E-07	1.1E-07	3.2E-07	4.2E-07
625	UCART1	571150.55	4178438.99	571150.55, 4178438.99	3.03E-03	40.85375	34.20072	27.99803	0.05285	2.59E-05	8.84E-07	3.33E-05	1.29E-03	1.35E-03	2.0E-06	9.0E-07	7.1E-08	3.2E-07	3.9E-07
626	UCART1	571190.55	4178438.99	571190.55, 4178438.99	2.16E-03	30.98978	26.23824	19.99729	0.05327	1.97E-05	6.78E-07	2.38E-05	1.30E-03	1.35E-03	1.4E-06	8.9E-07	5.0E-08	3.2E-07	3.7E-07
627	UCART1	571230.55	4178438.99	571230.55, 4178438.99	1.62E-03	24.15947	20.73367	15.39939	0.05279	1.53E-05	5.36E-07	1.83E-05	1.29E-03	1.33E-03	1.1E-06	8.8E-07	3.8E-08	3.1E-07	3.5E-07
628	UCART1	571270.55	4178438.99	571270.55, 4178438.99	1.26E-03	19.26804	16.77252	12.39975	0.03023	1.22E-05	4.34E-07	1.47E-05	7.40E-04	7.67E-04	8.3E-07	5.1E-07	2.9E-08	1.8E-07	2.1E-07
629	UCART1	571310.55	4178438.99	571310.55, 4178438.99	9.96E-04	15.72636	13.85503	10.32601	0.02416	9.97E-06	3.58E-07	1.23E-05	5.91E-04	6.14E-04	6.6E-07	4.1E-07	2.3E-08	1.5E-07	1.7E-07
630	UCART1	571350.55	4178438.99	571350.55, 4178438.99	8.07E-04	13.06647	11.62691	8.75293	0.02115	8.29E-06	3.01E-07	1.04E-05	5.18E-04	5.37E-04	5.3E-07	3.5E-07	1.9E-08	1.3E-07	1.5E-07
631	UCART1	571390.55	4178438.99	571390.55, 4178438.99	6.65E-04	11.01314	9.88536	7.51646	0.01857	6.98E-06	2.56E-07	8.93E-06	4.54E-04	4.71E-04	4.4E-07	3.1E-07	1.6E-08	1.1E-07	1.3E-07
632	UCART1	571430.55	4178438.99	571430.55, 4178438.99	5.55E-04	9.41086	8.51493	6.55426	0.01632	5.97E-06	2.20E-07	7.78E-06	3.99E-04	4.13E-04	3.7E-07	2.7E-07	1.3E-08	9.8E-08	1.1E-07
633	UCART1	571470.55	4178438.99	571470.55, 4178438.99	4.69E-04	8.13109	7.41234	5.77995	0.01447	5.16E-06	1.92E-07	6.87E-06	3.54E-04	3.66E-04	3.1E-07	2.4E-07	1.1E-08	8.7E-08	9.8E-08
634	UCART1	571510.55	4178438.99	571510.55, 4178438.99	4.01E-04	7.09483	6.50938	5.12692	0.01281	4.50E-06	1.68E-07	6.09E-06	3.13E-04	3.24E-04	2.7E-07	2.1E-07	9.4E-09	7.7E-08	8.6E-08
635	UCART1	571550.55	4178438.99	571550.55, 4178438.99	3.46E-04	6.24494	5.76413	4.58641	0.01146	3.96E-06	1.49E-07	5.45E-06	2.80E-04	2.90E-04	2.3E-07	1.9E-07	8.1E-09	6.9E-08	7.7E-08
636	UCART1	571590.55	4178438.99	571590.55, 4178438.99	3.00E-04	5.5371	5.13993	4.13091	0.01025	3.51E-06	1.33E-07	4.91E-06	2.51E-04	2.59E-04	2.0E-07	1.7E-07	7.0E-09	6.1E-08	6.8E-08
637	UCART1	571630.55	4178438.99	571630.55, 4178438.99	2.62E-04	4.94339	4.6119	3.7395	0.0092	3.13E-06	1.19E-07	4.44E-06	2.25E-04	2.33E-04	1.7E-07	1.5E-07	6.1E-09	5.5E-08	6.1E-08
638	UCART1	571670.55	4178438.99	571670.55, 4178438.99	2.32E-04	4.44855	4.16755	3.40592	0.00829	2.82E-06	1.08E-07	4.05E-06	2.03E-04	2.10E-04	1.5E-07	1.4E-07	5.4E-09	5.0E-08	5.5E-08
639	UCART1	571710.55	4178438.99	571710.55, 4178438.99	2.06E-04	4.02369	3.78428	3.11643	0.00748	2.55E-06	9.78E-08	3.70E-06	1.83E-04	1.89E-04	1.4E-07	1.3E-07	4.8E-09	4.5E-08	5.0E-08
640	UCART1	571750.55	4178438.99	571750.55, 4178438.99	1.84E-04	3.65789	3.45249	2.86408	0.00676	2.32E-06	8.92E-08	3.40E-06	1.65E-04	1.71E-04	1.2E-07	1.1E-07	4.3E-09	4.1E-08	4.5E-08
641	UCART1	571790.55	4178438.99	571790.55, 4178438.99	1.65E-04	3.34016	3.16285	2.64226	0.00612	2.12E-06	8.18E-08	3.14E-06	1.50E-04	1.55E-04	1.1E-07	1.0E-07	3.9E-09	3.7E-08	4.1E-08
642	UCART1	571830.55	4178438.99	571830.55, 4178438.99	1.49E-04	3.06505	2.91067	2.44777	0.00556	1.94E-06	7.52E-08	2.91E-06	1.36E-04	1.41E-04	9.9E-08	9.3E-08	3.5E-09	3.3E-08	3.7E-08
643	UCART1	571870.55	4178438.99	571870.55, 4178438.99	1.36E-04	2.82402	2.68876	2.27549	0.00508	1.79E-06	6.95E-08	2.70E-06	1.24E-04	1.29E-04	9.0E-08	8.5E-08	3.2E-09	3.0E-08	3.4E-08
644	UCART1	570230.55	4178478.99	570230.55, 4178478.99	3.66E-05	1.14463	1.20089	1.47788	0.00033	7.26E-07	3.10E-08	1.76E-06	8.08E-06	1.06E-05	2.4E-08	7.0E-09	8.6E-10	2.5E-09	3.4E-09
645	UCART1	570270.55	4178478.99	570270.55, 4178478.99	4.13E-05	1.25326	1.31941	1.639	0.00038	7.95E-07	3.41E-08	1.95E-06	9.30E-06	1.21E-05	2.7E-08	8.0E-09	9.7E-10	2.9E-09	3.8E-09
646	UCART1	570310.55	4178478.99	570310.55, 4178478.99	4.55E-05	1.37702	1.45143	1.83571	0.00044	8.73E-07	3.75E-08	2.18E-06	1.08E-05	1.39E-05	3.0E-08	9.2E-09	1.1E-09	3.3E-09	4.3E-09
647	UCART1	570350.55	4178478.99	570350.55, 4178478.99	5.21E-05	1.52979	1.61673	2.07015	0.00052	9.70E-07	4.18E-08	2.46E-06	1.27E-05	1.62E-05	3.4E-08	1.1E-08	1.2E-09	3.8E-09	5.1E-09
648	UCART1	570390.55	4178478.99	570390.55, 4178478.99	5.96E-05	1.69652	1.79641	2.31954	0.0006	1.08E-06	4.64E-08	2.76E-06	1.47E-05	1.86E-05	3.9E-08	1.2E-08	1.4E-09	4.4E-09	5.8E-09
649	UCART1	570430.55	4178478.99	570430.55, 4178478.99	6.85E-05	1.88699	2.00296	2.60664	0.00069	1.20E-06	5.18E-08	3.10E-06	1.69E-05	2.12E-05	4.5E-08	1.4E-08	1.6E-09	5.0E-09	6.6E-09
650	UCART1	570470.55	4178478.99	570470.55, 4178478.99	8.02E-05	2.13676	2.27603	2.99627	0.00081	1.35E-06	5.88E-08	3.56E-06	1.98E-05	2.48E-05	5.3E-08	1.6E-08	1.9E-09	5.9E-09	7.7E-09
651	UCART1	570510.55	4178478.99	570510.55, 4178478.99	9.60E-05	2.46774	2.64105	3.53479	0.00098	1.56E-06	6.83E-08	4.20E-06	2.40E-05	2.98E-05	6.3E-08	2.0E-08	2.2E-09	7.1E-09	9.3E-09
652	UCART1	570550.55	4178478.99	570550.55, 4178478.99	1.17E-04	2.88277	3.10219	4.23757	0.0012	1.83E-06	8.02E-08	5.03E-06	2.94E-05	3.63E-05	7.7E-08	2.4E-08	2.7E-09	8.6E-09	1.1E-08
653	UCART1	570590.55	4178478.99	570590.55, 4178478.99	1.46E-04	3.39651	3.67494	5.11514	0.00146	2.15E-06	9.50E-08	6.08E-06	3.57E-05	4.41E-05	9.7E-08	2.9E-08	3.4E-09	1.0E-08	1.4E-08
654	UCART1	570630.55	4178478.99	570630.55, 4178478.99	1.88E-04	4.07785	4.43986	6.34601	0.00178	2.59E-06	1.15E-07	7.54E-06	4.36E-05	5.38E-05	1.2E-07	3.6E-08	4.4E-09	1.3E-08	1.7E-08
655	UCART1	570670.55	4178478.99	570670.55, 4178478.99	2.53E-04	5.01439	5.49984	8.19959	0.00218	3.18E-06	1.42E-07	9.74E-06	5.33E-05	6.64E-05	1.7E-07	4.4E-08	5.9E-09	1.6E-08	2.2E-08
656	UCART1	570710.55	4178478.99	570710.55, 4178478.99	3.63E-04	6.37048	7.05064	11.42925	0.00276	4.04E-06	1.82E-07	1.36E-05	6.75E-05	8.53E-05	2.4E-07	5.6E-08	8.5E-09	2.0E-08	2.9E-08
657	UCART1	570750.55	4178478.99	570750.55, 4178478.99	5.83E-04	8.46379	9.48539	19.08615	0.0034	5.37E-06	2.45E-07	2.27E-05	8.32E-05	1.11E-04	3.9E-07	7.4E-08	1.4E-08	2.6E-08	4.0E-08
658	UCART1	570790.55	4178478.99	570790.55, 4178478.99	1.18E-03	12.00628	13.68886	22.97959	0.0037	7.61E-06	3.54E-07	2.73E-05	9.05E-05	1.26E-04	7.8E-07	8.3E-08	2.8E-08	3.0E-08	5.7E-08
659	UCART1	571030.55	4178478.99	571030.55, 4178478.99	6.23E-03	78.41922	56.14193	31.4205	0.05074	4.97E-05	1.45E-06	3.73E-05	1.24E-03	1.33E-03	4.1E-06	8.8E-07	1.5E-07	3.1E-07	4.6E-07
660	UCART1	571070.55	4178478.99	571070.55, 4178478.99	4.38E-03	54.04406	41.89633	46.24375	0.05462	3.43E-05	1.08E-06	5.49E-05	1.34E-03	1.43E-03	2.9E-06	9.4E-07	1.0E-07	3.4E-07	4.4E-07
661	UCART1	571110.55	4178478.99	571110.55, 4178478.99	2.99E-03	39.88779	32.24229	28.40563	0.05233	2.53E-05	8.33E-07	3.37E-05	1.28E-03	1.34E-03	2.0E-06	8.9E-07	7.0E-08	3.2E-07	3.9E-07
662	UCART1	571150.55	4178478.99	571150.55, 4178478.99	2.18E-03	30.67199	25.46093	20.30873	0.05246	1.94E-05	6.58E-07	2.41E-05	1.28E-03	1.33E-03	1.4E-06	8.8E-07	5.1E-08	3.1E-07	3.7E-07
663	UCART1	571190.55	4178478.99	571190.55, 4178478.99	1.65E-03	24.24665	20.50221	15.64996	0.06896	1.54E-05	5.30E-07	1.86E-05	1.69E-03	1.72E-03	1.1E-06	1.1E-06	3.9E-08	4.1E-07	4.5E-07
664	UCART1	571230.55	4178478.99	571230.55, 4178478.99	1.30E-03	19.62604	16.84222	12.65859	0.05006	1.24E-05	4.35E-07	1.50E-05	1.22E-03	1.25E-03	8.6E-07	8.3E-07	3.0E-08	3.0E-07	3.3E-07
665	UCART1	571270.55	4178478.99	571270.55, 4178478.99	1.04E-03	16.1728	14.06161	10.54284	0.03065	1.03E-05	3.63E-07	1.25E-05	7.50E-04	7.73E-04	6.9E-07	5.1E-07	2.4E-08	1.8E-07	2.1E-07
666	UCART1	571310.55	4178478.99	571310.55, 4178478.99	8.53E-04	13.51747	11.89743	8.94674	0.02564	8.57E-06	3.08E-07	1.06E-05	6.27E-04	6.47E-04	5.6E-07	4.3E-07	2.0E-08	1.5E-07	1.7E-07
667	UCART1	571350.55	4178478.99	571350.55, 4178478.99	7.06E-04	11.46267	10.19748	7.71968	0.02235	7.27E-06	2.64E-07	9.17E-06	5.47E-04	5.64E-04	4.7E-07	3.7E-07	1.7E-08	1.3E-07	1.5E-07
668	UCART1	571390.55	4178478.99	571390.55, 4178478.99	5.93E-04	9.83749	8.8288	6.73312	0.01963	6.24E-06	2.28E-07	8.00E-06	4.80E-04	4.95E-04	3.9E-07	3.3E-07	1.4E-08	1.2E-07	1.3E-07
669	UCART1	571430.55	4178478.99	571430.55, 4178478.99	5.03E-04	8.54519	7.72665	5.94989	0.01733	5.42E-06	2.00E-07	7.07E-06	4.24E-04	4.37E-04	3.3E-07	2.9E-07	1.2E-08	1.0E-07	1.2E-07
670	UCART1	571470.55	4178478.99	571470.55, 4178478.99	4.31E-04	7.4851	6.81203	5.29334	0.01535	4.75E-06	1.76E-07	6.29E-06	3.76E-04	3.87E-04	2.9E-07	2.6E-07	1.0E-08	9.1E-08	1.0E-07
671	UCART1	571510.55	4178478.99	571510.55, 4178478.99	3.73E-04	6.60928	6.04906	4.74124	0.01365	4.19E-06	1.56E-07	5.63E-06	3.34E-04	3.44E-04	2.5E-07	2.3E-07	8.7E-09	8.1E-08	9.0E-08
672	UCART1	571550.55	4178478.99	571550.55, 4178478.99	3.25E-04	5.87626	5.4065	4.27493	0.01215	3.73E-06	1.40E-07	5.08E-06	2.97E-04	3.06E-04	2.1E-07	2.0E-07	7.6E-09	7.2E-08	8.0E-08
673	UCART1	571590.55	4178478.99	571590.55, 4178478.99	2.85E-04	5.25638	4.85992	3.87571	0.01087	3.33E-06	1.26E-07	4.60E-06	2.66E-04	2.74E-04	1.9E-07	1.8E-07	6.7E-09	6.5E-08	7.1E-08
674	UCART1	571630.55	4178478.99	571630.55, 4178478.99	2.51E-04	4.72834	4.39127	3.53067	0.00974	3.00E-06	1.14E-07	4.19E-06	2.38E-04	2.46E-04	1.7E-07	1.6E-07	5.9E-09	5.8E-08	6.4E-08
675	UCART1	571670.55	4178478.99	571670.55, 4178478.99	2.23E-04	4.28004	3.99023	3.2327	0.00876	2.71E-06	1.03E-07	3.84E-06	2.14E-04	2.21E-04	1.5E-07	1.5E-07	5.2E-09	5.2E-08	5.8E-08
676	UCART1	571710.55	4178478.99	571710.55, 4178478.99	2.00E-04	3.89103	3.64095	2.97203	0.00789	2.47E-06	9.41E-08	3.53E-06	1.93E-04	1.99E-04	1.3E-07	1.3E-07	4.7E-09	4.7E-08	5.2E-08
677	UCART1	571750.55	4178478.99	571750.55, 4178478.99	1.79E-04	3.55335	3.33622	2.74319	0.0071	2.25E-06	8.62E-08	3.26E-06	1.74E-04	1.79E-04	1.2E-07	1.2E-07	4.2E-09	4.2E-08	4.7E-08
678	UCART1	571790.55	4178478.99	571790.55, 4178478.99	1.62E-04	3.25733	3.06798	2.54062	0.00644	2.07E-06	7.93E-08	3.02E-06	1.58E-04	1.63E-04	1.1E-07	1.1E-07	3.8E-09	3.8E-08	4.2E-08
679	UCART1	571830.55	4178478.99	571830.55, 4178478.99	1.47E-04	2.99847	2.83226	2.36148	0.00585	1.90E-06	7.32E-08	2.80E-06	1.43E-04	1.48E-04	9.7E-08	9.8E-08	3.4E-09	3.5E-08	3.8E-08
680	UCART1	571870.55	4178478.99	571870.55, 4178478.99	1.33E-04	2.77008	2.62343	2.20186	0.00533	1.76E-06	6.78E-08	2.62E-06	1.30E-04	1.35E-04	8.8E-08	8.9E-08	3.1E-09	3.2E-08	3.5E-08
681	UCART1	570230.55	4178518.99	570230.55, 4178518.99	3.73E-05	1.13372	1.18676	1.45801	0.00034	7.19E-07	3.07E-08	1.73E-06	8.32E-06	1.08E-05	2.5E-08	7.1E-09	8.7E-10	2.6E-09	3.4E-09
682	UCART1	570270.55	4178518.99	570270.55, 4178518.99	4.14E-05	1.23942	1.29995	1.62086	0.00039	7.86E-07	3.36E-08	1.93E-06	9.54E-06	1.23E-05	2.7E-08	8.1E-09	9.7E-10	2.9E-09	3.9E-09
683	UCART1	570310.55	4178518.99	570310.55, 4178518.99	4.64E-05	1.36234	1.43191	1.81298	0.00045	8.64E-07	3.70E-08	2.15E-06	1.10E-05	1.41E-05	3.1E-08	9.3E-09	1.1E-09	3.3E-09	4.4E-09
684	UCART1	570350.55	4178518.99	570350.55, 4178518.99	5.26E-05	1.49358	1.57145	2.00589	0.00051	9.47E-07	4.06E-08	2.38E-06	1.25E-05	1.58E-05	3.5E-08	1.0E-08	1.2E-09	3.7E-09	5.0E-09
685	UCART1	570390.55	4178518.99	570390.55, 4178518.99	5.94E-05	1.62547	1.71221	2.20087	0.00057	1.03E-06	4.43E-08	2.61E-06	1.39E-05	1.76E-05	3.9E-08	1.2E-08	1.4E-09	4.2E-09	5.6E-09
686	UCART1	570430.55	4178518.99	570430.55, 4178518.99	6.84E-05	1.81318	1.91454	2.4921	0.00066	1.15E-06	4.95E-08	2.96E-06	1.62E-05	2.03E-05	4.5E-08	1.3E-08	1.6E-09	4.8E-09	6.4E-09
687	UCART1	570470.55	4178518.99	570470.55, 4178518.99	8.02E-05	2.04933	2.17019	2.86216	0.00078	1.30E-06	5.61E-08	3.40E-06	1.91E-05	2.38E-05	5.3E-08	1.6E-08	1.9E-09	5.6E-09	7.5E-09
688	UCART1	570510.55	4178518.99	570510.55, 4178518.99	9.66E-05	2.38264	2.53398	3.40603	0.00094	1.51E-06	6.55E-08	4.05E-06	2.30E-05	2.86E-05	6.4E-08	1.9E-08	2.3E-09	6.8E-09	9.0E-09
689	UCART1	570550.55	4178518.99	570550.55, 4178518.99	1.19E-04	2.81258	3.00773	4.15256	0.00118	1.78E-06	7.77E-08	4.93E-06	2.89E-05	3.57E-05	7.9E-08	2.4E-08	2.8E-09	8.4E-09	1.1E-08
690	UCART1	570590.55	4178518.99	570590.55, 4178518.99	1.49E-04	3.30753	3.55272	4.99819	0.00142	2.10E-06	9.18E-08	5.94E-06	3.47E-05	4.29E-05	9.8E-08	2.8E-08	3.5E-09	1.0E-08	1.4E-08
691	UCART1	570630.55	4178518.99	570630.55, 4178518.99	1.91E-04	3.95342	4.26613	6.13741	0.00169	2.51E-06	1.10E-07	7.29E-06	4.14E-05	5.13E-05	1.3E-07	3.4E-08	4.5E-09	1.2E-08	1.7E-08
692	UCART1	570670.55	4178518.99	570670.55, 4178518.99	2.57E-04	4.84221	5.25169	7.85515	0.00199	3.07E-06	1.36E-07	9.33E-06	4.87E-05	6.12E-05	1.7E-07	4.1E-08	6.0E-09	1.4E-08	2.0E-08
693	UCART1	570710.55	4178518.99	570710.55, 4178518.99	3.68E-04	6.11413	6.66399	10.71979	0.00231	3.88E-06	1.72E-07	1.27E-05	5.65E-05	7.33E-05	2.4E-07	4.9E-08	8.6E-09	1.7E-08	2.6E-08
694	UCART1	570750.55	4178518.99	570750.55, 4178518.99	5.79E-04	8.03694	8.78778	16.36479	0.00227	5.10E-06	2.27E-07	1.94E-05	5.55E-05	8.03E-05	3.8E-07	5.3E-08	1.4E-08	1.9E-08	3.3E-08
695	UCART1	570790.55	4178518.99	570790.55, 4178518.99	1.01E-03	11.06972	12.11986	28.55794	0.00229	7.02E-06	3.13E-07	3.39E-05	5.60E-05	9.73E-05	6.7E-07	6.4E-08	2.4E-08	2.3E-08	4.7E-08
696	UCART1	570990.55	4178518.99	570990.55, 4178518.99	6.30E-03	84.10723	36.86641	32.40136	0.04487	5.33E-05	9.53E-07	3.85E-05	1.10E-03	1.19E-03	4.2E-06	7.9E-07	1.5E-07	2.8E-07	4.3E-07
697	UCART1	571030.55	4178518.99	571030.55, 4178518.99	4.03E-03	52.52598	31.2299	46.93139	0.04773	3.33E-05	8.07E-07	5.57E-05	1.17E-03	1.26E-03	2.7E-06	8.3E-07	9.4E-08	3.0E-07	3.9E-07
698	UCART1	571070.55	4178518.99	571070.55, 4178518.99	2.84E-03	37.83178	26.05163	28.85082	0.05347	2.40E-05	6.73E-07	3.43E-05	1.31E-03	1.37E-03	1.9E-06	9.0E-07	6.6E-08	3.2E-07	3.9E-07
699	UCART1	571110.55	4178518.99	571110.55, 4178518.99	2.10E-03	29.14344	21.74919	20.61905	0.055	1.85E-05	5.62E-07	2.45E-05	1.35E-03	1.39E-03	1.4E-06	9.2E-07	4.9E-08	3.3E-07	3.8E-07
700	UCART1	571150.55	4178518.99	571150.55, 4178518.99	1.61E-03	23.27488	18.25932	15.89926	0.0577	1.48E-05	4.72E-07	1.89E-05	1.41E-03	1.45E-03	1.1E-06	9.6E-07	3.8E-08	3.4E-07	3.8E-07
701	UCART1	571190.55	4178518.99	571190.55, 4178518.99	1.28E-03	19.04166	15.44671	12.8442	0.06757	1.21E-05	3.99E-07	1.53E-05	1.65E-03	1.68E-03	8.4E-07	1.1E-06	3.0E-08	4.0E-07	4.3E-07
702	UCART1	571230.55	4178518.99	571230.55, 4178518.99	1.03E-03	15.83789	13.17209	10.6936	0.04477	1.00E-05	3.40E-07	1.27E-05	1.10E-03	1.12E-03	6.8E-07	7.4E-07	2.4E-08	2.6E-07	2.9E-07
703	UCART1	571270.55	4178518.99	571270.55, 4178518.99	8.50E-04	13.37368	11.33987	9.10406	0.03119	8.48E-06	2.93E-07	1.08E-05	7.63E-04	7.83E-04	5.6E-07	5.2E-07	2.0E-08	1.9E-07	2.1E-07
704	UCART1	571310.55	4178518.99	571310.55, 4178518.99	7.15E-04	11.44342	9.85451	7.87249	0.0267	7.26E-06	2.55E-07	9.35E-06	6.53E-04	6.70E-04	4.7E-07	4.4E-07	1.7E-08	1.6E-07	1.8E-07
705	UCART1	571350.55	4178518.99	571350.55, 4178518.99	6.06E-04	9.87737	8.62476	6.87783	0.02332	6.26E-06	2.23E-07	8.17E-06	5.71E-04	5.85E-04	4.0E-07	3.9E-07	1.4E-08	1.4E-07	1.5E-07
706	UCART1	571390.55	4178518.99	571390.55, 4178518.99	5.18E-04	8.60929	7.60968	6.07446	0.02049	5.46E-06	1.97E-07	7.22E-06	5.01E-04	5.14E-04	3.4E-07	3.4E-07	1.2E-08	1.2E-07	1.3E-07
707	UCART1	571430.55	4178518.99	571430.55, 4178518.99	4.46E-04	7.57417	6.76401	5.41549	0.01802	4.80E-06	1.75E-07	6.43E-06	4.41E-04	4.52E-04	2.9E-07	3.0E-07	1.0E-08	1.1E-07	1.2E-07
708	UCART1	571470.55	4178518.99	571470.55, 4178518.99	3.87E-04	6.71499	6.04856	4.8594	0.01596	4.26E-06	1.56E-07	5.77E-06	3.91E-04	4.01E-04	2.6E-07	2.7E-07	9.1E-09	9.5E-08	1.0E-07
709	UCART1	571510.55	4178518.99	571510.55, 4178518.99	3.38E-04	5.99404	5.43902	4.3882	0.01418	3.80E-06	1.41E-07	5.21E-06	3.47E-04	3.56E-04	2.2E-07	2.4E-07	7.9E-09	8.4E-08	9.2E-08
710	UCART1	571550.55	4178518.99	571550.55, 4178518.99	2.98E-04	5.38188	4.91471	3.9834	0.01264	3.41E-06	1.27E-07	4.73E-06	3.09E-04	3.18E-04	2.0E-07	2.1E-07	7.0E-09	7.5E-08	8.2E-08
711	UCART1	571590.55	4178518.99	571590.55, 4178518.99	2.64E-04	4.86014	4.46209	3.63311	0.0113	3.08E-06	1.15E-07	4.32E-06	2.77E-04	2.84E-04	1.7E-07	1.9E-07	6.2E-09	6.7E-08	7.3E-08
712	UCART1	571630.55	4178518.99	571630.55, 4178518.99	2.35E-04	4.409	4.06757	3.32825	0.01008	2.80E-06	1.05E-07	3.95E-06	2.47E-04	2.54E-04	1.6E-07	1.7E-07	5.5E-09	6.0E-08	6.5E-08
713	UCART1	571670.55	4178518.99	571670.55, 4178518.99	2.10E-04	4.01841	3.72306	3.06178	0.00906	2.55E-06	9.62E-08	3.64E-06	2.22E-04	2.28E-04	1.4E-07	1.5E-07	4.9E-09	5.4E-08	5.9E-08
714	UCART1	571710.55	4178518.99	571710.55, 4178518.99	1.89E-04	3.67607	3.4194	2.82704	0.00816	2.33E-06	8.84E-08	3.36E-06	2.00E-04	2.05E-04	1.3E-07	1.4E-07	4.4E-09	4.9E-08	5.3E-08
715	UCART1	571750.55	4178518.99	571750.55, 4178518.99	1.71E-04	3.37562	3.15123	2.61939	0.00737	2.14E-06	8.15E-08	3.11E-06	1.80E-04	1.86E-04	1.1E-07	1.2E-07	4.0E-09	4.4E-08	4.8E-08
716	UCART1	571790.55	4178518.99	571790.55, 4178518.99	1.55E-04	3.11093	2.91368	2.43504	0.00667	1.97E-06	7.53E-08	2.89E-06	1.63E-04	1.68E-04	1.0E-07	1.1E-07	3.6E-09	4.0E-08	4.3E-08
717	UCART1	571830.55	4178518.99	571830.55, 4178518.99	1.41E-04	2.87618	2.70199	2.27043	0.00606	1.82E-06	6.98E-08	2.70E-06	1.48E-04	1.53E-04	9.3E-08	1.0E-07	3.3E-09	3.6E-08	3.9E-08
718	UCART1	571870.55	4178518.99	571870.55, 4178518.99	1.29E-04	2.66764	2.51306	2.12312	0.00552	1.69E-06	6.50E-08	2.52E-06	1.35E-04	1.39E-04	8.6E-08	9.2E-08	3.0E-09	3.3E-08	3.6E-08
719	UCART1	570230.55	4178558.99	570230.55, 4178558.99	3.77E-05	1.11724	1.16619	1.42765	0.00034	7.08E-07	3.01E-08	1.70E-06	8.32E-06	1.08E-05	2.5E-08	7.1E-09	8.8E-10	2.5E-09	3.4E-09
720	UCART1	570270.55	4178558.99	570270.55, 4178558.99	4.21E-05	1.22157	1.27736	1.58841	0.00039	7.75E-07	3.30E-08	1.89E-06	9.54E-06	1.22E-05	2.8E-08	8.1E-09	9.8E-10	2.9E-09	3.9E-09
721	UCART1	570310.55	4178558.99	570310.55, 4178558.99	4.72E-05	1.33919	1.40271	1.77063	0.00045	8.49E-07	3.63E-08	2.10E-06	1.10E-05	1.40E-05	3.1E-08	9.3E-09	1.1E-09	3.3E-09	4.4E-09
722	UCART1	570350.55	4178558.99	570350.55, 4178558.99	5.29E-05	1.4523	1.52238	1.93876	0.00051	9.21E-07	3.94E-08	2.30E-06	1.25E-05	1.57E-05	3.5E-08	1.0E-08	1.2E-09	3.7E-09	5.0E-09
723	UCART1	570390.55	4178558.99	570390.55, 4178558.99	5.99E-05	1.58827	1.66719	2.14847	0.00058	1.01E-06	4.31E-08	2.55E-06	1.42E-05	1.78E-05	4.0E-08	1.2E-08	1.4E-09	4.2E-09	5.6E-09
724	UCART1	570430.55	4178558.99	570430.55, 4178558.99	6.92E-05	1.77231	1.86444	2.44125	0.00068	1.12E-06	4.82E-08	2.90E-06	1.66E-05	2.07E-05	4.6E-08	1.4E-08	1.6E-09	4.9E-09	6.5E-09
725	UCART1	570470.55	4178558.99	570470.55, 4178558.99	8.09E-05	1.99422	2.10292	2.79652	0.0008	1.26E-06	5.44E-08	3.32E-06	1.96E-05	2.42E-05	5.4E-08	1.6E-08	1.9E-09	5.7E-09	7.6E-09
726	UCART1	570510.55	4178558.99	570510.55, 4178558.99	9.71E-05	2.2974	2.4305	3.29487	0.00097	1.46E-06	6.28E-08	3.91E-06	2.37E-05	2.92E-05	6.4E-08	1.9E-08	2.3E-09	6.9E-09	9.2E-09
727	UCART1	570550.55	4178558.99	570550.55, 4178558.99	1.20E-04	2.72008	2.89107	4.03734	0.00121	1.72E-06	7.47E-08	4.80E-06	2.96E-05	3.62E-05	7.9E-08	2.4E-08	2.8E-09	8.6E-09	1.1E-08
728	UCART1	570590.55	4178558.99	570590.55, 4178558.99	1.50E-04	3.20237	3.41635	4.88782	0.00149	2.03E-06	8.83E-08	5.81E-06	3.65E-05	4.44E-05	9.9E-08	2.9E-08	3.5E-09	1.0E-08	1.4E-08

729	UCART1	570630.55	4178558.99	570630.55, 4178558.99	1.92E-04	3.8081	4.07289	5.95392	0.00176	2.41E-06	1.05E-07	7.07E-06	4.31E-05	5.27E-05	1.3E-07	3.5E-08	4.5E-09	1.2E-08	1.7E-08
730	UCART1	570670.55	4178558.99	570670.55, 4178558.99	2.55E-04	4.62955	4.95802	7.50434	0.00205	2.94E-06	1.28E-07	8.91E-06	5.02E-05	6.21E-05	1.7E-07	4.1E-08	6.0E-09	1.5E-08	2.1E-08
731	UCART1	570710.55	4178558.99	570710.55, 4178558.99	3.57E-04	5.78621	6.1837	9.97367	0.00236	3.67E-06	1.60E-07	1.18E-05	5.77E-05	7.34E-05	2.4E-07	4.9E-08	8.3E-09	1.7E-08	2.6E-08
732	UCART1	570750.55	4178558.99	570750.55, 4178558.99	5.31E-04	7.50695	7.95041	14.7991	0.00278	4.76E-06	2.06E-07	1.76E-05	6.80E-05	9.06E-05	3.5E-07	6.0E-08	1.2E-08	2.1E-08	3.4E-08
733	UCART1	570790.55	4178558.99	570790.55, 4178558.99	7.68E-04	8.94632	9.01255	28.36726	0.00491	5.67E-06	2.33E-07	3.37E-05	1.20E-04	1.60E-04	5.1E-07	1.1E-07	1.8E-08	3.8E-08	5.6E-08
734	UCART1	570830.55	4178558.99	570830.55, 4178558.99	1.43E-03	13.69721	12.94065	41.81673	0.00594	8.69E-06	3.35E-07	4.97E-05	1.45E-04	2.04E-04	9.5E-07	1.4E-07	3.3E-08	4.8E-08	8.2E-08
735	UCART1	570950.55	4178558.99	570950.55, 4178558.99	5.01E-03	48.73052	21.45052	41.09165	0.03865	3.09E-05	5.54E-07	4.88E-05	9.46E-04	1.03E-03	3.3E-06	6.8E-07	1.2E-07	2.4E-07	3.6E-07
736	UCART1	570990.55	4178558.99	570990.55, 4178558.99	3.51E-03	39.85151	20.62183	47.82081	0.04534	2.53E-05	5.33E-07	5.68E-05	1.11E-03	1.19E-03	2.3E-06	7.9E-07	8.2E-08	2.8E-07	3.6E-07
737	UCART1	571030.55	4178558.99	571030.55, 4178558.99	2.50E-03	31.10247	18.83163	29.28261	0.04656	1.97E-05	4.87E-07	3.48E-05	1.14E-03	1.19E-03	1.7E-06	7.9E-07	5.9E-08	2.8E-07	3.4E-07
738	UCART1	571070.55	4178558.99	571070.55, 4178558.99	1.88E-03	24.98005	16.83014	20.93113	0.05649	1.58E-05	4.35E-07	2.49E-05	1.38E-03	1.42E-03	1.2E-06	9.4E-07	4.4E-08	3.4E-07	3.8E-07
739	UCART1	571110.55	4178558.99	571110.55, 4178558.99	1.47E-03	20.53697	14.87135	16.10429	0.0705	1.30E-05	3.84E-07	1.91E-05	1.73E-03	1.76E-03	9.7E-07	1.2E-06	3.4E-08	4.2E-07	4.5E-07
740	UCART1	571150.55	4178558.99	571150.55, 4178558.99	1.19E-03	17.19351	13.09943	12.98704	0.0641	1.09E-05	3.39E-07	1.54E-05	1.57E-03	1.60E-03	7.8E-07	1.1E-06	2.8E-08	3.8E-07	4.1E-07
741	UCART1	571190.55	4178558.99	571190.55, 4178558.99	9.77E-04	14.60239	11.5317	10.80388	0.05133	9.26E-06	2.98E-07	1.28E-05	1.26E-03	1.28E-03	6.5E-07	8.5E-07	2.3E-08	3.0E-07	3.3E-07
742	UCART1	571230.55	4178558.99	571230.55, 4178558.99	8.16E-04	12.54193	10.18079	9.20261	0.03747	7.95E-06	2.63E-07	1.09E-05	9.17E-04	9.36E-04	5.4E-07	6.2E-07	1.9E-08	2.2E-07	2.4E-07
743	UCART1	571270.55	4178558.99	571270.55, 4178558.99	6.88E-04	10.85387	9.0118	7.96334	0.02985	6.88E-06	2.33E-07	9.46E-06	7.30E-04	7.47E-04	4.6E-07	4.9E-07	1.6E-08	1.8E-07	1.9E-07
744	UCART1	571310.55	4178558.99	571310.55, 4178558.99	5.89E-04	9.48125	8.01492	6.97645	0.02617	6.01E-06	2.07E-07	8.29E-06	6.40E-04	6.55E-04	3.9E-07	4.3E-07	1.4E-08	1.5E-07	1.7E-07
745	UCART1	571350.55	4178558.99	571350.55, 4178558.99	5.09E-04	8.34593	7.16284	6.17	0.02305	5.29E-06	1.85E-07	7.33E-06	5.64E-04	5.77E-04	3.4E-07	3.8E-07	1.2E-08	1.4E-07	1.5E-07
746	UCART1	571390.55	4178558.99	571390.55, 4178558.99	4.43E-04	7.39213	6.43128	5.50207	0.02036	4.69E-06	1.66E-07	6.54E-06	4.98E-04	5.10E-04	2.9E-07	3.4E-07	1.0E-08	1.2E-07	1.3E-07
747	UCART1	571430.55	4178558.99	571430.55, 4178558.99	3.88E-04	6.58946	5.80184	4.94082	0.01804	4.18E-06	1.50E-07	5.87E-06	4.41E-04	4.52E-04	2.6E-07	3.0E-07	9.1E-09	1.1E-07	1.2E-07
748	UCART1	571470.55	4178558.99	571470.55, 4178558.99	3.41E-04	5.91061	5.25921	4.46664	0.01603	3.75E-06	1.36E-07	5.31E-06	3.92E-04	4.01E-04	2.3E-07	2.7E-07	8.0E-09	9.5E-08	1.0E-07
749	UCART1	571510.55	4178558.99	571510.55, 4178558.99	3.01E-04	5.33124	4.78748	4.06088	0.01429	3.38E-06	1.24E-07	4.82E-06	3.50E-04	3.58E-04	2.0E-07	2.4E-07	7.0E-09	8.5E-08	9.2E-08
750	UCART1	571550.55	4178558.99	571550.55, 4178558.99	2.68E-04	4.83395	4.3748	3.7083	0.0127	3.07E-06	1.13E-07	4.40E-06	3.11E-04	3.18E-04	1.8E-07	2.1E-07	6.3E-09	7.5E-08	8.2E-08
751	UCART1	571590.55	4178558.99	571590.55, 4178558.99	2.40E-04	4.40456	4.01234	3.40062	0.01137	2.79E-06	1.04E-07	4.04E-06	2.78E-04	2.85E-04	1.6E-07	1.9E-07	5.6E-09	6.7E-08	7.3E-08
752	UCART1	571630.55	4178558.99	571630.55, 4178558.99	2.15E-04	4.02857	3.69129	3.13089	0.0102	2.55E-06	9.54E-08	3.72E-06	2.50E-04	2.56E-04	1.4E-07	1.7E-07	5.0E-09	6.1E-08	6.6E-08
753	UCART1	571670.55	4178558.99	571670.55, 4178558.99	1.95E-04	3.69949	3.40666	2.89294	0.00918	2.35E-06	8.81E-08	3.44E-06	2.25E-04	2.31E-04	1.3E-07	1.5E-07	4.6E-09	5.5E-08	5.9E-08
754	UCART1	571710.55	4178558.99	571710.55, 4178558.99	1.76E-04	3.40807	3.15236	2.68192	0.00827	2.16E-06	8.15E-08	3.19E-06	2.02E-04	2.08E-04	1.2E-07	1.4E-07	4.1E-09	4.9E-08	5.3E-08
755	UCART1	571750.55	4178558.99	571750.55, 4178558.99	1.60E-04	3.14652	2.92263	2.49282	0.00747	2.00E-06	7.55E-08	2.96E-06	1.83E-04	1.88E-04	1.1E-07	1.2E-07	3.7E-09	4.4E-08	4.8E-08
756	UCART1	571790.55	4178558.99	571790.55, 4178558.99	1.46E-04	2.91723	2.71925	2.32532	0.00677	1.85E-06	7.03E-08	2.76E-06	1.66E-04	1.70E-04	9.7E-08	1.1E-07	3.4E-09	4.0E-08	4.4E-08
757	UCART1	571830.55	4178558.99	571830.55, 4178558.99	1.34E-04	2.71201	2.5361	2.175	0.00615	1.72E-06	6.56E-08	2.58E-06	1.50E-04	1.55E-04	8.9E-08	1.0E-07	3.1E-09	3.7E-08	4.0E-08
758	UCART1	571870.55	4178558.99	571870.55, 4178558.99	1.23E-04	2.52699	2.37016	2.03927	0.00561	1.60E-06	6.13E-08	2.42E-06	1.37E-04	1.41E-04	8.1E-08	9.4E-08	2.9E-09	3.3E-08	3.6E-08
759	UCART1	570230.55	4178598.99	570230.55, 4178598.99	3.81E-05	1.09971	1.14548	1.39958	0.00035	6.97E-07	2.96E-08	1.66E-06	8.56E-06	1.10E-05	2.5E-08	7.2E-09	8.9E-10	2.6E-09	3.5E-09
760	UCART1	570270.55	4178598.99	570270.55, 4178598.99	4.24E-05	1.20047	1.25252	1.55429	0.0004	7.61E-07	3.24E-08	1.85E-06	9.79E-06	1.24E-05	2.8E-08	8.2E-09	9.9E-10	2.9E-09	3.9E-09
761	UCART1	570310.55	4178598.99	570310.55, 4178598.99	4.76E-05	1.31338	1.37228	1.72765	0.00046	8.33E-07	3.55E-08	2.05E-06	1.13E-05	1.42E-05	3.2E-08	9.4E-09	1.1E-09	3.4E-09	4.5E-09
762	UCART1	570350.55	4178598.99	570350.55, 4178598.99	5.34E-05	1.42661	1.49192	1.89851	0.00053	9.05E-07	3.86E-08	2.25E-06	1.30E-05	1.62E-05	3.5E-08	1.1E-08	1.3E-09	3.8E-09	5.1E-09
763	UCART1	570390.55	4178598.99	570390.55, 4178598.99	6.05E-05	1.55549	1.62865	2.09898	0.00061	9.86E-07	4.21E-08	2.49E-06	1.49E-05	1.84E-05	4.0E-08	1.2E-08	1.4E-09	4.4E-09	5.8E-09
764	UCART1	570430.55	4178598.99	570430.55, 4178598.99	6.98E-05	1.73083	1.8158	2.38351	0.00072	1.10E-06	4.69E-08	2.83E-06	1.76E-05	2.16E-05	4.6E-08	1.4E-08	1.6E-09	5.1E-09	6.7E-09
765	UCART1	570470.55	4178598.99	570470.55, 4178598.99	8.17E-05	1.94599	2.04597	2.73956	0.00086	1.23E-06	5.29E-08	3.25E-06	2.10E-05	2.56E-05	5.4E-08	1.7E-08	1.9E-09	6.1E-09	8.0E-09
766	UCART1	570510.55	4178598.99	570510.55, 4178598.99	9.81E-05	2.24308	2.36504	3.2515	0.00104	1.42E-06	6.11E-08	3.86E-06	2.54E-05	3.08E-05	6.5E-08	2.0E-08	2.3E-09	7.3E-09	9.6E-09
767	UCART1	570550.55	4178598.99	570550.55, 4178598.99	1.21E-04	2.63611	2.78874	3.9747	0.0013	1.67E-06	7.21E-08	4.72E-06	3.18E-05	3.83E-05	8.0E-08	2.5E-08	2.8E-09	9.1E-09	1.2E-08
768	UCART1	570590.55	4178598.99	570590.55, 4178598.99	1.49E-04	3.08255	3.26612	4.79263	0.00158	1.95E-06	8.44E-08	5.69E-06	3.87E-05	4.64E-05	9.9E-08	3.1E-08	3.5E-09	1.1E-08	1.4E-08
769	UCART1	570630.55	4178598.99	570630.55, 4178598.99	1.89E-04	3.63616	3.84867	5.80233	0.00187	2.31E-06	9.95E-08	6.89E-06	4.58E-05	5.51E-05	1.3E-07	3.6E-08	4.4E-09	1.3E-08	1.7E-08
770	UCART1	570670.55	4178598.99	570670.55, 4178598.99	2.47E-04	4.38766	4.6223	7.29227	0.00219	2.78E-06	1.19E-07	8.66E-06	5.36E-05	6.52E-05	1.6E-07	4.3E-08	5.8E-09	1.5E-08	2.1E-08
771	UCART1	570710.55	4178598.99	570710.55, 4178598.99	3.31E-04	5.39245	5.60579	9.47185	0.00257	3.42E-06	1.45E-07	1.13E-05	6.29E-05	7.77E-05	2.2E-07	5.1E-08	7.8E-09	1.8E-08	2.6E-08
772	UCART1	570750.55	4178598.99	570750.55, 4178598.99	4.63E-04	6.83189	6.90065	13.46669	0.00349	4.33E-06	1.78E-07	1.60E-05	8.54E-05	1.06E-04	3.1E-07	7.0E-08	1.1E-08	2.5E-08	3.6E-08
773	UCART1	570790.55	4178598.99	570790.55, 4178598.99	6.48E-04	8.69417	8.31008	22.6565	0.00526	5.51E-06	2.15E-07	2.69E-05	1.29E-04	1.61E-04	4.3E-07	1.1E-07	1.5E-08	3.8E-08	5.3E-08
774	UCART1	570830.55	4178598.99	570830.55, 4178598.99	1.05E-03	11.59226	9.94057	30.31299	0.00656	7.35E-06	2.57E-07	3.60E-05	1.61E-04	2.04E-04	6.9E-07	1.4E-07	2.4E-08	4.8E-08	7.3E-08
775	UCART1	570870.55	4178598.99	570870.55, 4178598.99	1.89E-03	15.11248	11.43389	41.45018	0.00867	9.58E-06	2.96E-07	4.92E-05	2.12E-04	2.71E-04	1.3E-06	1.8E-07	4.4E-08	6.4E-08	1.1E-07
776	UCART1	570910.55	4178598.99	570910.55, 4178598.99	2.83E-03	18.88755	12.82749	38.29108	0.02629	1.20E-05	3.32E-07	4.55E-05	6.43E-04	7.01E-04	1.9E-06	4.6E-07	6.6E-08	1.7E-07	2.3E-07
777	UCART1	570950.55	4178598.99	570950.55, 4178598.99	2.35E-03	20.85661	13.44506	48.95261	0.0406	1.32E-05	3.48E-07	5.81E-05	9.93E-04	1.07E-03	1.6E-06	7.0E-07	5.5E-08	2.5E-07	3.1E-07
778	UCART1	570990.55	4178598.99	570990.55, 4178598.99	1.85E-03	19.88836	13.28111	29.5918	0.04856	1.26E-05	3.43E-07	3.51E-05	1.19E-03	1.24E-03	1.2E-06	8.2E-07	4.3E-08	2.9E-07	3.4E-07
779	UCART1	571030.55	4178598.99	571030.55, 4178598.99	1.49E-03	17.90036	12.6037	21.01519	0.04266	1.14E-05	3.26E-07	2.50E-05	1.04E-03	1.08E-03	9.8E-07	7.1E-07	3.5E-08	2.6E-07	2.9E-07
780	UCART1	571070.55	4178598.99	571070.55, 4178598.99	1.22E-03	15.91341	11.68783	16.18597	0.04881	1.01E-05	3.02E-07	1.92E-05	1.19E-03	1.22E-03	8.1E-07	8.1E-07	2.9E-08	2.9E-07	3.2E-07
781	UCART1	571110.55	4178598.99	571110.55, 4178598.99	1.02E-03	14.08151	10.701	13.06557	0.05416	8.93E-06	2.77E-07	1.55E-05	1.33E-03	1.35E-03	6.7E-07	8.9E-07	2.4E-08	3.2E-07	3.4E-07
782	UCART1	571150.55	4178598.99	571150.55, 4178598.99	8.60E-04	12.42831	9.71794	10.85664	0.04399	7.88E-06	2.51E-07	1.29E-05	1.08E-03	1.10E-03	5.7E-07	7.3E-07	2.0E-08	2.6E-07	2.8E-07
783	UCART1	571190.55	4178598.99	571190.55, 4178598.99	7.36E-04	10.97922	8.78204	9.21001	0.0344	6.96E-06	2.27E-07	1.09E-05	8.42E-04	8.60E-04	4.9E-07	5.7E-07	1.7E-08	2.0E-07	2.2E-07
784	UCART1	571230.55	4178598.99	571230.55, 4178598.99	6.34E-04	9.74627	7.946	7.9783	0.02942	6.18E-06	2.05E-07	9.48E-06	7.20E-04	7.36E-04	4.2E-07	4.9E-07	1.5E-08	1.7E-07	1.9E-07
785	UCART1	571270.55	4178598.99	571270.55, 4178598.99	5.50E-04	8.67784	7.19601	7.0054	0.02615	5.50E-06	1.86E-07	8.32E-06	6.40E-04	6.54E-04	3.6E-07	4.3E-07	1.3E-08	1.5E-07	1.7E-07
786	UCART1	571310.55	4178598.99	571310.55, 4178598.99	4.79E-04	7.74429	6.5226	6.20724	0.02362	4.91E-06	1.69E-07	7.37E-06	5.78E-04	5.90E-04	3.2E-07	3.9E-07	1.1E-08	1.4E-07	1.5E-07
787	UCART1	571350.55	4178598.99	571350.55, 4178598.99	4.21E-04	6.94256	5.92718	5.5425	0.02119	4.40E-06	1.53E-07	6.58E-06	5.19E-04	5.30E-04	2.8E-07	3.5E-07	9.8E-09	1.3E-07	1.4E-07
788	UCART1	571390.55	4178598.99	571390.55, 4178598.99	3.73E-04	6.25305	5.4032	4.98512	0.019	3.97E-06	1.40E-07	5.92E-06	4.65E-04	4.75E-04	2.5E-07	3.1E-07	8.7E-09	1.1E-07	1.2E-07
789	UCART1	571430.55	4178598.99	571430.55, 4178598.99	3.31E-04	5.65545	4.94098	4.51126	0.01703	3.59E-06	1.28E-07	5.36E-06	4.17E-04	4.26E-04	2.2E-07	2.8E-07	7.7E-09	1.0E-07	1.1E-07
790	UCART1	571470.55	4178598.99	571470.55, 4178598.99	2.95E-04	5.1352	4.53265	4.10466	0.01528	3.26E-06	1.17E-07	4.88E-06	3.74E-04	3.82E-04	2.0E-07	2.5E-07	6.9E-09	9.0E-08	9.7E-08
791	UCART1	571510.55	4178598.99	571510.55, 4178598.99	2.65E-04	4.6819	4.17124	3.75263	0.01372	2.97E-06	1.08E-07	4.46E-06	3.36E-04	3.43E-04	1.8E-07	2.3E-07	6.2E-09	8.1E-08	8.7E-08
792	UCART1	571550.55	4178598.99	571550.55, 4178598.99	2.38E-04	4.2855	3.85015	3.44562	0.01233	2.72E-06	9.95E-08	4.09E-06	3.02E-04	3.09E-04	1.6E-07	2.0E-07	5.6E-09	7.3E-08	7.9E-08
793	UCART1	571590.55	4178598.99	571590.55, 4178598.99	2.15E-04	3.93728	3.56371	3.17583	0.0111	2.50E-06	9.21E-08	3.77E-06	2.72E-04	2.78E-04	1.4E-07	1.8E-07	5.0E-09	6.6E-08	7.1E-08
794	UCART1	571630.55	4178598.99	571630.55, 4178598.99	1.95E-04	3.62951	3.30686	2.93709	0.01001	2.30E-06	8.55E-08	3.49E-06	2.45E-04	2.51E-04	1.3E-07	1.7E-07	4.6E-09	5.9E-08	6.4E-08
795	UCART1	571670.55	4178598.99	571670.55, 4178598.99	1.77E-04	3.35724	3.07615	2.72495	0.00903	2.13E-06	7.95E-08	3.24E-06	2.21E-04	2.26E-04	1.2E-07	1.5E-07	4.1E-09	5.4E-08	5.8E-08
796	UCART1	571710.55	4178598.99	571710.55, 4178598.99	1.61E-04	3.11267	2.86672	2.53511	0.00817	1.97E-06	7.41E-08	3.01E-06	2.00E-04	2.05E-04	1.1E-07	1.4E-07	3.8E-09	4.8E-08	5.2E-08
797	UCART1	571750.55	4178598.99	571750.55, 4178598.99	1.48E-04	2.89357	2.67689	2.3648	0.0074	1.83E-06	6.92E-08	2.81E-06	1.81E-04	1.86E-04	9.8E-08	1.2E-07	3.5E-09	4.4E-08	4.7E-08
798	UCART1	571790.55	4178598.99	571790.55, 4178598.99	1.36E-04	2.69857	2.50621	2.21268	0.00672	1.71E-06	6.48E-08	2.63E-06	1.64E-04	1.69E-04	9.0E-08	1.1E-07	3.2E-09	4.0E-08	4.3E-08
799	UCART1	571830.55	4178598.99	571830.55, 4178598.99	1.25E-04	2.52288	2.35118	2.07566	0.00612	1.60E-06	6.08E-08	2.47E-06	1.50E-04	1.54E-04	8.3E-08	1.0E-07	2.9E-09	3.6E-08	3.9E-08
800	UCART1	571870.55	4178598.99	571870.55, 4178598.99	1.16E-04	2.36228	2.2086	1.95096	0.00558	1.50E-06	5.71E-08	2.32E-06	1.37E-04	1.40E-04	7.7E-08	9.3E-08	2.7E-09	3.3E-08	3.6E-08
801	UCART1	570230.55	4178638.99	570230.55, 4178638.99	3.84E-05	1.08017	1.12324	1.3681	0.00036	6.85E-07	2.90E-08	1.62E-06	8.81E-06	1.11E-05	2.5E-08	7.4E-09	9.0E-10	2.6E-09	3.5E-09
802	UCART1	570270.55	4178638.99	570270.55, 4178638.99	4.28E-05	1.17709	1.22591	1.51397	0.00041	7.46E-07	3.17E-08	1.80E-06	1.00E-05	1.26E-05	2.8E-08	8.3E-09	1.0E-09	3.0E-09	4.0E-09
803	UCART1	570310.55	4178638.99	570310.55, 4178638.99	4.81E-05	1.28832	1.34396	1.685	0.00048	8.17E-07	3.47E-08	2.00E-06	1.17E-05	1.46E-05	3.2E-08	9.7E-09	1.1E-09	3.5E-09	4.6E-09
804	UCART1	570350.55	4178638.99	570350.55, 4178638.99	5.42E-05	1.40633	1.46875	1.86475	0.00056	8.92E-07	3.80E-08	2.21E-06	1.37E-05	1.68E-05	3.6E-08	1.1E-08	1.3E-09	4.0E-09	5.3E-09
805	UCART1	570390.55	4178638.99	570390.55, 4178638.99	6.13E-05	1.53146	1.60108	2.05817	0.00065	9.71E-07	4.14E-08	2.44E-06	1.59E-05	1.94E-05	4.1E-08	1.3E-08	1.4E-09	4.6E-09	6.0E-09
806	UCART1	570430.55	4178638.99	570430.55, 4178638.99	7.05E-05	1.69554	1.7754	2.32671	0.00077	1.08E-06	4.59E-08	2.76E-06	1.88E-05	2.27E-05	4.7E-08	1.5E-08	1.6E-09	5.4E-09	7.0E-09
807	UCART1	570470.55	4178638.99	570470.55, 4178638.99	8.27E-05	1.91454	2.00845	2.70458	0.00092	1.21E-06	5.19E-08	3.21E-06	2.25E-05	2.70E-05	5.5E-08	1.8E-08	1.9E-09	6.4E-09	8.3E-09
808	UCART1	570510.55	4178638.99	570510.55, 4178638.99	9.90E-05	2.20486	2.3174	3.24252	0.00112	1.40E-06	5.99E-08	3.85E-06	2.74E-05	3.27E-05	6.6E-08	2.2E-08	2.3E-09	7.7E-09	1.0E-08
809	UCART1	570550.55	4178638.99	570550.55, 4178638.99	1.20E-04	2.55093	2.68307	3.92465	0.00137	1.62E-06	6.94E-08	4.66E-06	3.35E-05	3.99E-05	7.9E-08	2.6E-08	2.8E-09	9.4E-09	1.2E-08
810	UCART1	570590.55	4178638.99	570590.55, 4178638.99	1.46E-04	2.94556	3.09045	4.69918	0.00162	1.87E-06	7.99E-08	5.58E-06	3.96E-05	4.72E-05	9.7E-08	3.1E-08	3.4E-09	1.1E-08	1.5E-08
811	UCART1	570630.55	4178638.99	570630.55, 4178638.99	1.83E-04	3.46328	3.61188	5.80824	0.00195	2.20E-06	9.34E-08	6.90E-06	4.77E-05	5.69E-05	1.2E-07	3.8E-08	4.3E-09	1.3E-08	1.8E-08
812	UCART1	570670.55	4178638.99	570670.55, 4178638.99	2.32E-04	4.1173	4.23835	7.33215	0.00236	2.61E-06	1.10E-07	8.71E-06	5.77E-05	6.92E-05	1.5E-07	4.6E-08	5.4E-09	1.6E-08	2.2E-08
813	UCART1	570710.55	4178638.99	570710.55, 4178638.99	2.98E-04	4.94484	4.96796	9.50805	0.00295	3.14E-06	1.28E-07	1.13E-05	7.22E-05	8.67E-05	2.0E-07	5.7E-08	7.0E-09	2.1E-08	2.7E-08
814	UCART1	570750.55	4178638.99	570750.55, 4178638.99	3.90E-04	5.99484	5.78126	12.94318	0.00377	3.80E-06	1.49E-07	1.54E-05	9.23E-05	1.12E-04	2.6E-07	7.4E-08	9.1E-09	2.6E-08	3.6E-08
815	UCART1	570790.55	4178638.99	570790.55, 4178638.99	5.20E-04	7.30687	6.63846	20.072	0.00502	4.63E-06	1.72E-07	2.38E-05	1.23E-04	1.51E-04	3.4E-07	1.0E-07	1.2E-08	3.6E-08	4.8E-08
816	UCART1	570830.55	4178638.99	570830.55, 4178638.99	7.17E-04	8.77205	7.41128	33.10534	0.0061	5.56E-06	1.92E-07	3.93E-05	1.49E-04	1.94E-04	4.7E-07	1.3E-07	1.7E-08	4.6E-08	6.3E-08
817	UCART1	570870.55	4178638.99	570870.55, 4178638.99	9.50E-04	10.20087	8.22136	47.37916	0.0078	6.47E-06	2.13E-07	5.63E-05	1.91E-04	2.54E-04	6.3E-07	1.7E-07	2.2E-08	6.0E-08	8.2E-08
818	UCART1	570910.55	4178638.99	570910.55, 4178638.99	1.10E-03	11.70155	8.99707	50.77169	0.01237	7.42E-06	2.33E-07	6.03E-05	3.03E-04	3.71E-04	7.3E-07	2.5E-07	2.6E-08	8.8E-08	1.1E-07
819	UCART1	570950.55	4178638.99	570950.55, 4178638.99	1.08E-03	12.49749	9.37125	29.92825	0.01991	7.92E-06	2.42E-07	3.55E-05	4.87E-04	5.31E-04	7.2E-07	3.5E-07	2.5E-08	1.3E-07	1.5E-07
820	UCART1	570990.55	4178638.99	570990.55, 4178638.99	1.00E-03	12.40733	9.37755	21.06355	0.02436	7.87E-06	2.42E-07	2.50E-05	5.96E-04	6.29E-04	6.6E-07	4.2E-07	2.3E-08	1.5E-07	1.7E-07
821	UCART1	571030.55	4178638.99	571030.55, 4178638.99	8.97E-04	11.83741	9.09566	16.12289	0.0295	7.51E-06	2.35E-07	1.92E-05	7.22E-04	7.49E-04	5.9E-07	5.0E-07	2.1E-08	1.8E-07	2.0E-07
822	UCART1	571070.55	4178638.99	571070.55, 4178638.99	7.95E-04	10.9886	8.6143	12.91984	0.02956	6.97E-06	2.23E-07	1.53E-05	7.23E-04	7.46E-04	5.3E-07	4.9E-07	1.9E-08	1.8E-07	2.0E-07
823	UCART1	571110.55	4178638.99	571110.55, 4178638.99	7.02E-04	10.07739	8.06159	10.73373	0.02838	6.39E-06	2.08E-07	1.27E-05	6.94E-04	7.14E-04	4.6E-07	4.7E-07	1.6E-08	1.7E-07	1.9E-07
824	UCART1	571150.55	4178638.99	571150.55, 4178638.99	6.20E-04	9.19137	7.48141	9.1354	0.02711	5.83E-06	1.93E-07	1.09E-05	6.63E-04	6.80E-04	4.1E-07	4.5E-07	1.5E-08	1.6E-07	1.8E-07
825	UCART1	571190.55	4178638.99	571190.55, 4178638.99	5.49E-04	8.36417	6.89988	7.90588	0.02405	5.30E-06	1.78E-07	9.39E-06	5.88E-04	6.03E-04	3.6E-07	4.0E-07	1.3E-08	1.4E-07	1.6E-07
826	UCART1	571230.55	4178638.99	571230.55, 4178638.99	4.87E-04	7.61591	6.35143	6.94672	0.02259	4.83E-06	1.64E-07	8.25E-06	5.53E-04	5.66E-04	3.2E-07	3.7E-07	1.1E-08	1.3E-07	1.5E-07
827	UCART1	571270.55	4178638.99	571270.55, 4178638.99	4.34E-04	6.9337	5.84038	6.16776	0.02113	4.40E-06	1.51E-07	7.33E-06	5.17E-04	5.29E-04	2.9E-07	3.5E-07	1.0E-08	1.3E-07	1.4E-07
828	UCART1	571310.55	4178638.99	571310.55, 4178638.99	3.86E-04	6.31518	5.37221	5.52206	0.0196	4.00E-06	1.39E-07	6.56E-06	4.80E-04	4.90E-04	2.6E-07	3.2E-07	9.0E-09	1.2E-07	1.3E-07
829	UCART1	571350.55	4178638.99	571350.55, 4178638.99	3.45E-04	5.7578	4.94559	4.97524	0.01805	3.65E-06	1.28E-07	5.91E-06	4.42E-04	4.51E-04	2.3E-07	3.0E-07	8.1E-09	1.1E-07	1.1E-07
830	UCART1	571390.55	4178638.99	571390.55, 4178638.99	3.10E-04	5.26298	4.56148	4.50933	0.01658	3.34E-06	1.18E-07	5.36E-06	4.06E-04	4.15E-04	2.1E-07	2.7E-07	7.3E-09	9.8E-08	1.1E-07
831	UCART1	571430.55	4178638.99	571430.55, 4178638.99	2.80E-04	4.8233	4.21639	4.1095	0.01514	3.06E-06	1.09E-07	4.88E-06	3.70E-04	3.79E-04	1.9E-07	2.5E-07	6.5E-09	9.0E-08	9.6E-08
832	UCART1	571470.55	4178638.99	571470.55, 4178638.99	2.53E-04	4.43111	3.90601	3.76283	0.01381	2.81E-06	1.01E-07	4.47E-06	3.38E-04	3.45E-04	1.7E-07	2.3E-07	5.9E-09	8.2E-08	8.8E-08
833	UCART1	571510.55	4178638.99	571510.55, 4178638.99	2.29E-04	4.0808	3.62656	3.45953	0.01264	2.59E-06	9.37E-08	4.11E-06	3.09E-04	3.16E-04	1.5E-07	2.1E-07	5.4E-09	7.5E-08	8.0E-08
834	UCART1	571550.55	4178638.99	571550.55, 4178638.99	2.08E-04	3.77072	3.37619	3.19287	0.01148	2.39E-06	8.73E-08	3.79E-06	2.81E-04	2.87E-04	1.4E-07	1.9E-07	4.9E-09	6.8E-08	7.3E-08
835	UCART1	571590.55	4178638.99	571590.55, 4178638.99	1.90E-04	3.4937	3.15013	2.95652	0.01043	2.22E-06	8.14E-08	3.51E-06	2.55E-04	2.61E-04	1.3E-07	1.7E-07	4.5E-09	6.2E-08	6.6E-08
836	UCART1	571630.55	4178638.99	571630.55, 4178638.99	1.74E-04	3.24464	2.94493	2.74597	0.00948	2.06E-06	7.61E-08	3.26E-06	2.32E-04	2.37E-04	1.1E-07	1.6E-07	4.1E-09	5.6E-08	6.0E-08
837	UCART1	571670.55	4178638.99	571670.55, 4178638.99	1.59E-04	3.01948	2.75729	2.55692	0.00864	1.91E-06	7.13E-08	3.04E-06	2.11E-04	2.16E-04	1.1E-07	1.4E-07	3.7E-09	5.1E-08	5.5E-08
838	UCART1	571710.55	4178638.99	571710.55, 4178638.99	1.46E-04	2.81825	2.58722	2.38743	0.00786	1.79E-06	6.69E-08	2.84E-06	1.92E-04	1.97E-04	9.7E-08	1.3E-07	3.4E-09	4.7E-08	5.0E-08
839	UCART1	571750.55	4178638.99	571750.55, 4178638.99	1.35E-04	2.63678	2.43204	2.23485	0.00715	1.67E-06	6.29E-08	2.65E-06	1.75E-04	1.79E-04	8.9E-08	1.2E-07	3.2E-09	4.2E-08	4.6E-08
840	UCART1	571790.55	4178638.99	571790.55, 4178638.99	1.25E-04	2.47368	2.29108	2.09765	0.00653	1.57E-06	5.92E-08	2.49E-06	1.60E-04	1.64E-04	8.3E-08	1.1E-07	2.9E-09	3.9E-08	4.2E-08
841	UCART1	571830.55	4178638.99	571830.55, 4178638.99	1.16E-04	2.32379	2.16039	1.97257	0.00596	1.47E-06	5.58E-08	2.34E-06	1.46E-04	1.50E-04	7.7E-08	9.9E-08	2.7E-09	3.5E-08	3.8E-08
842	UCART1	571870.55	4178638.99	571870.55, 4178638.99	1.08E-04	2.18725	2.04035	1.85898	0.00546	1.39E-06	5.27E-08	2.21E-06	1.34E-04	1.37E-04	7.1E-08	9.1E-08	2.5E-09	3.2E-08	3.5E-08
843	UCART1	570230.55	4178678.99	570230.55, 4178678.99	3.87E-05	1.05925	1.10021	1.33334	0.00037	6.72E-07	2.84E-08	1.58E-06	9.05E-06	1.13E-05	2.6E-08	7.5E-09	9.0E-10	2.7E-09	3.6E-09
844	UCART1	570270.55	4178678.99	570270.55, 4178678.99	4.31E-05	1.15303	1.19946	1.47173	0.00043	7.31E-07	3.10E-08	1.75E-06	1.05E-05	1.30E-05	2.9E-08	8.6E-09	1.0E-09	3.1E-09	4.1E-09
845	UCART1	570310.55	4178678.99	570310.55, 4178678.99	4.84E-05	1.261	1.31391	1.63512	0.0005	8.00E-07	3.40E-08	1.94E-06	1.22E-05	1.50E-05	3.2E-08	9.9E-09	1.1E-09	3.6E-09	4.7E-09
846	UCART1	570350.55	4178678.99	570350.55, 4178678.99	5.47E-05	1.38374	1.44388	1.824	0.00059	8.77E-07	3.73E-08	2.17E-06	1.44E-05	1.75E-05	3.6E-08	1.2E-08	1.3E-09	4.1E-09	5.4E-09
847	UCART1	570390.55	4178678.99	570390.55, 4178678.99	6.23E-05	1.52327	1.59129	2.04455	0.00069	9.66E-07	4.11E-08	2.43E-06	1.69E-05	2.03E-05	4.1E-08	1.3E-08	1.5E-09	4.8E-09	6.3E-09
848	UCART1	570430.55	4178678.99	570430.55, 4178678.99	7.17E-05	1.69059	1.76773	2.32374	0.00081	1.07E-06	4.57E-08	2.76E-06	1.98E-05	2.37E-05	4.7E-08	1.6E-08	1.7E-09	5.6E-09	7.3E-09
849	UCART1	570470.55	4178678.99	570470.55, 4178678.99	8.35E-05	1.89556	1.98281	2.69048	0.00097	1.20E-06	5.13E-08	3.20E-06	2.37E-05	2.82E-05	5.5E-08	1.9E-08	2.0E-09	6.7E-09	8.6E-09
850	UCART1	570510.55	4178678.99	570510.55, 4178678.99	9.86E-05	2.151	2.24853	3.19358	0.00116	1.36E-06	5.81E-08	3.79E-06	2.84E-05	3.36E-05	6.5E-08	2.2E-08	2.3E-09	7.9E-09	1.0E-08
851	UCART1	570550.55	4178678.99	570550.55, 4178678.99	1.17E-04	2.44511	2.5474	3.81428	0.00137	1.55E-06	6.58E-08	4.53E-06	3.35E-05	3.97E-05	7.8E-08	2.6E-08	2.7E-09	9.4E-09	1.2E-08

852	UCART1	570590.55	4178678.99	570590.55, 4178678.99	1.41E-04	2.81021	2.90818	4.68116	0.00163	1.78E-06	7.52E-08	5.56E-06	3.99E-05	4.73E-05	9.4E-08	3.1E-08	3.3E-09	1.1E-08	1.4E-08
853	UCART1	570630.55	4178678.99	570630.55, 4178678.99	1.72E-04	3.25568	3.32881	5.88845	0.002	2.06E-06	8.60E-08	6.99E-06	4.89E-05	5.81E-05	1.1E-07	3.8E-08	4.0E-09	1.4E-08	1.8E-08
854	UCART1	570670.55	4178678.99	570670.55, 4178678.99	2.12E-04	3.78821	3.79758	7.57497	0.00254	2.40E-06	9.82E-08	9.00E-06	6.22E-05	7.37E-05	1.4E-07	4.9E-08	5.0E-09	1.7E-08	2.2E-08
855	UCART1	570710.55	4178678.99	570710.55, 4178678.99	2.61E-04	4.41911	4.30124	10.10864	0.00329	2.80E-06	1.11E-07	1.20E-05	8.05E-05	9.54E-05	1.7E-07	6.3E-08	6.1E-09	2.3E-08	2.9E-08
856	UCART1	570750.55	4178678.99	570750.55, 4178678.99	3.24E-04	5.14953	4.81396	14.41005	0.00401	3.27E-06	1.24E-07	1.71E-05	9.81E-05	1.19E-04	2.1E-07	7.8E-08	7.6E-09	2.8E-08	3.6E-08
857	UCART1	570790.55	4178678.99	570790.55, 4178678.99	4.03E-04	5.92639	5.28936	22.9453	0.00461	3.76E-06	1.37E-07	2.73E-05	1.13E-04	1.44E-04	2.7E-07	9.5E-08	9.4E-09	3.4E-08	4.3E-08
858	UCART1	570830.55	4178678.99	570830.55, 4178678.99	4.95E-04	6.66221	5.74035	30.95298	0.00533	4.22E-06	1.48E-07	3.68E-05	1.30E-04	1.72E-04	3.3E-07	1.1E-07	1.2E-08	4.1E-08	5.2E-08
859	UCART1	570870.55	4178678.99	570870.55, 4178678.99	5.87E-04	7.40013	6.26664	46.97814	0.00641	4.69E-06	1.62E-07	5.58E-05	1.57E-04	2.18E-04	3.9E-07	1.4E-07	1.4E-08	5.1E-08	6.5E-08
860	UCART1	570910.55	4178678.99	570910.55, 4178678.99	6.32E-04	8.19632	6.74641	28.41355	0.00867	5.20E-06	1.74E-07	3.37E-05	2.12E-04	2.51E-04	4.2E-07	1.7E-07	1.5E-08	5.9E-08	7.4E-08
861	UCART1	570950.55	4178678.99	570950.55, 4178678.99	6.36E-04	8.61276	6.99094	20.00872	0.01213	5.46E-06	1.81E-07	2.38E-05	2.97E-04	3.26E-04	4.2E-07	2.2E-07	1.5E-08	7.7E-08	9.2E-08
862	UCART1	570990.55	4178678.99	570990.55, 4178678.99	6.16E-04	8.67867	7.0357	15.44623	0.01529	5.50E-06	1.82E-07	1.83E-05	3.74E-04	3.98E-04	4.1E-07	2.6E-07	1.4E-08	9.4E-08	1.1E-07
863	UCART1	571030.55	4178678.99	571030.55, 4178678.99	5.81E-04	8.4858	6.89611	12.47809	0.01743	5.38E-06	1.78E-07	1.48E-05	4.27E-04	4.47E-04	3.8E-07	3.0E-07	1.4E-08	1.1E-07	1.2E-07
864	UCART1	571070.55	4178678.99	571070.55, 4178678.99	5.39E-04	8.09946	6.63308	10.39972	0.01812	5.14E-06	1.71E-07	1.24E-05	4.43E-04	4.61E-04	3.6E-07	3.1E-07	1.3E-08	1.1E-07	1.2E-07
865	UCART1	571110.55	4178678.99	571110.55, 4178678.99	4.95E-04	7.60392	6.30165	8.86218	0.01821	4.82E-06	1.63E-07	1.05E-05	4.46E-04	4.61E-04	3.3E-07	3.1E-07	1.2E-08	1.1E-07	1.2E-07
866	UCART1	571150.55	4178678.99	571150.55, 4178678.99	4.52E-04	7.07853	5.93975	7.69592	0.01783	4.49E-06	1.54E-07	9.14E-06	4.36E-04	4.50E-04	3.0E-07	3.0E-07	1.1E-08	1.1E-07	1.2E-07
867	UCART1	571190.55	4178678.99	571190.55, 4178678.99	4.12E-04	6.56632	5.56619	6.78134	0.01737	4.16E-06	1.44E-07	8.05E-06	4.25E-04	4.37E-04	2.7E-07	2.9E-07	9.6E-09	1.0E-07	1.1E-07
868	UCART1	571230.55	4178678.99	571230.55, 4178678.99	3.75E-04	6.07945	5.19381	6.03911	0.01679	3.86E-06	1.34E-07	7.17E-06	4.11E-04	4.22E-04	2.5E-07	2.8E-07	8.8E-09	1.0E-07	1.1E-07
869	UCART1	571270.55	4178678.99	571270.55, 4178678.99	3.41E-04	5.62206	4.83402	5.42139	0.01607	3.57E-06	1.25E-07	6.44E-06	3.93E-04	4.03E-04	2.3E-07	2.7E-07	8.0E-09	9.5E-08	1.0E-07
870	UCART1	571310.55	4178678.99	571310.55, 4178678.99	3.10E-04	5.197	4.4952	4.89894	0.0154	3.30E-06	1.16E-07	5.82E-06	3.77E-04	3.86E-04	2.1E-07	2.6E-07	7.3E-09	9.1E-08	9.9E-08
871	UCART1	571350.55	4178678.99	571350.55, 4178678.99	2.82E-04	4.80515	4.18083	4.45302	0.01465	3.05E-06	1.08E-07	5.29E-06	3.58E-04	3.67E-04	1.9E-07	2.4E-07	6.6E-09	8.7E-08	9.3E-08
872	UCART1	571390.55	4178678.99	571390.55, 4178678.99	2.57E-04	4.44535	3.89118	4.0673	0.01382	2.82E-06	1.01E-07	4.83E-06	3.38E-04	3.46E-04	1.7E-07	2.3E-07	6.0E-09	8.2E-08	8.8E-08
873	UCART1	571430.55	4178678.99	571430.55, 4178678.99	2.35E-04	4.11948	3.62695	3.73151	0.01292	2.61E-06	9.38E-08	4.43E-06	3.16E-04	3.23E-04	1.6E-07	2.1E-07	5.5E-09	7.6E-08	8.2E-08
874	UCART1	571470.55	4178678.99	571470.55, 4178678.99	2.15E-04	3.82381	3.38622	3.43742	0.012	2.42E-06	8.75E-08	4.08E-06	2.94E-04	3.00E-04	1.4E-07	2.0E-07	5.0E-09	7.1E-08	7.6E-08
875	UCART1	571510.55	4178678.99	571510.55, 4178678.99	1.97E-04	3.55302	3.1656	3.17719	0.01114	2.25E-06	8.18E-08	3.77E-06	2.73E-04	2.79E-04	1.3E-07	1.8E-07	4.6E-09	6.6E-08	7.1E-08
876	UCART1	571550.55	4178678.99	571550.55, 4178678.99	1.81E-04	3.30857	2.96547	2.94628	0.01028	2.10E-06	7.67E-08	3.50E-06	2.52E-04	2.57E-04	1.2E-07	1.7E-07	4.2E-09	6.1E-08	6.5E-08
877	UCART1	571590.55	4178678.99	571590.55, 4178678.99	1.67E-04	3.08905	2.78478	2.74099	0.00947	1.96E-06	7.20E-08	3.26E-06	2.32E-04	2.37E-04	1.1E-07	1.6E-07	3.9E-09	5.6E-08	6.0E-08
878	UCART1	571630.55	4178678.99	571630.55, 4178678.99	1.54E-04	2.89066	2.62047	2.55708	0.0087	1.83E-06	6.77E-08	3.04E-06	2.13E-04	2.18E-04	1.0E-07	1.4E-07	3.6E-09	5.2E-08	5.5E-08
879	UCART1	571670.55	4178678.99	571670.55, 4178678.99	1.42E-04	2.70849	2.46883	2.39076	0.00799	1.72E-06	6.38E-08	2.84E-06	1.96E-04	2.00E-04	9.4E-08	1.3E-07	3.3E-09	4.7E-08	5.1E-08
880	UCART1	571710.55	4178678.99	571710.55, 4178678.99	1.31E-04	2.54165	2.32882	2.23979	0.00735	1.61E-06	6.02E-08	2.66E-06	1.80E-04	1.84E-04	8.7E-08	1.2E-07	3.1E-09	4.4E-08	4.7E-08
881	UCART1	571750.55	4178678.99	571750.55, 4178678.99	1.22E-04	2.39116	2.20118	2.10358	0.00674	1.52E-06	5.69E-08	2.50E-06	1.65E-04	1.69E-04	8.1E-08	1.1E-07	2.9E-09	4.0E-08	4.3E-08
882	UCART1	571790.55	4178678.99	571790.55, 4178678.99	1.14E-04	2.2546	2.08429	1.98022	0.00619	1.43E-06	5.39E-08	2.35E-06	1.51E-04	1.55E-04	7.5E-08	1.0E-07	2.7E-09	3.7E-08	3.9E-08
883	UCART1	571830.55	4178678.99	571830.55, 4178678.99	1.06E-04	2.12781	1.97477	1.86695	0.00568	1.35E-06	5.10E-08	2.22E-06	1.39E-04	1.43E-04	7.0E-08	9.4E-08	2.5E-09	3.4E-08	3.6E-08
884	UCART1	571870.55	4178678.99	571870.55, 4178678.99	9.89E-05	2.01175	1.87368	1.76366	0.00523	1.28E-06	4.84E-08	2.09E-06	1.28E-04	1.31E-04	6.5E-08	8.7E-08	2.3E-09	3.1E-08	3.3E-08
885	UCART1	570230.55	4178718.99	570230.55, 4178718.99	3.89E-05	1.03825	1.07758	1.2973	0.00038	6.58E-07	2.79E-08	1.54E-06	9.30E-06	1.15E-05	2.6E-08	7.6E-09	9.1E-10	2.7E-09	3.6E-09
886	UCART1	570270.55	4178718.99	570270.55, 4178718.99	4.34E-05	1.12893	1.17335	1.42796	0.00045	7.16E-07	3.03E-08	1.70E-06	1.10E-05	1.35E-05	2.9E-08	8.9E-09	1.0E-09	3.2E-09	4.2E-09
887	UCART1	570310.55	4178718.99	570310.55, 4178718.99	4.86E-05	1.23299	1.28316	1.58141	0.00052	7.82E-07	3.32E-08	1.88E-06	1.27E-05	1.54E-05	3.2E-08	1.0E-08	1.1E-09	3.6E-09	4.8E-09
888	UCART1	570350.55	4178718.99	570350.55, 4178718.99	5.49E-05	1.35311	1.40963	1.76409	0.00061	8.58E-07	3.64E-08	2.10E-06	1.49E-05	1.79E-05	3.6E-08	1.2E-08	1.3E-09	4.2E-09	5.5E-09
889	UCART1	570390.55	4178718.99	570390.55, 4178718.99	6.25E-05	1.49248	1.5556	1.98489	0.00071	9.46E-07	4.02E-08	2.36E-06	1.74E-05	2.07E-05	4.1E-08	1.4E-08	1.5E-09	4.9E-09	6.4E-09
890	UCART1	570430.55	4178718.99	570430.55, 4178718.99	7.17E-05	1.65532	1.72467	2.25845	0.00083	1.05E-06	4.46E-08	2.68E-06	2.03E-05	2.41E-05	4.7E-08	1.6E-08	1.7E-09	5.7E-09	7.4E-09
891	UCART1	570470.55	4178718.99	570470.55, 4178718.99	8.28E-05	1.84509	1.9188	2.60266	0.00097	1.17E-06	4.96E-08	3.09E-06	2.37E-05	2.80E-05	5.5E-08	1.9E-08	1.9E-09	6.6E-09	8.6E-09
892	UCART1	570510.55	4178718.99	570510.55, 4178718.99	9.64E-05	2.06599	2.13982	3.04859	0.00113	1.31E-06	5.53E-08	3.62E-06	2.77E-05	3.26E-05	6.4E-08	2.2E-08	2.3E-09	7.7E-09	1.0E-08
893	UCART1	570550.55	4178718.99	570550.55, 4178718.99	1.13E-04	2.33374	2.40072	3.69015	0.00135	1.48E-06	6.21E-08	4.38E-06	3.30E-05	3.90E-05	7.5E-08	2.6E-08	2.7E-09	9.2E-09	1.2E-08
894	UCART1	570590.55	4178718.99	570590.55, 4178718.99	1.34E-04	2.6498	2.69642	4.63016	0.00164	1.68E-06	6.97E-08	5.50E-06	4.01E-05	4.74E-05	8.9E-08	3.1E-08	3.1E-09	1.1E-08	1.4E-08
895	UCART1	570630.55	4178718.99	570630.55, 4178718.99	1.59E-04	3.01224	3.01609	6.01697	0.00208	1.91E-06	7.80E-08	7.15E-06	5.09E-05	6.00E-05	1.1E-07	4.0E-08	3.7E-09	1.4E-08	1.8E-08
896	UCART1	570670.55	4178718.99	570670.55, 4178718.99	1.89E-04	3.42609	3.35523	8.20337	0.00274	2.17E-06	8.67E-08	9.74E-06	6.70E-05	7.90E-05	1.3E-07	5.2E-08	4.4E-09	1.9E-08	2.3E-08
897	UCART1	570710.55	4178718.99	570710.55, 4178718.99	2.25E-04	3.8782	3.69156	11.88377	0.00342	2.46E-06	9.54E-08	1.41E-05	8.37E-05	1.00E-04	1.5E-07	6.6E-08	5.3E-09	2.4E-08	2.9E-08
898	UCART1	570750.55	4178718.99	570750.55, 4178718.99	2.66E-04	4.34396	4.00301	19.19962	0.00393	2.75E-06	1.03E-07	2.28E-05	9.62E-05	1.22E-04	1.8E-07	8.1E-08	6.2E-09	2.9E-08	3.5E-08
899	UCART1	570790.55	4178718.99	570790.55, 4178718.99	3.14E-04	4.79157	4.29151	33.67974	0.00433	3.04E-06	1.11E-07	4.00E-05	1.06E-04	1.49E-04	2.1E-07	9.9E-08	7.3E-09	3.5E-08	4.3E-08
900	UCART1	570830.55	4178718.99	570830.55, 4178718.99	3.66E-04	5.20714	4.60188	43.26424	0.005	3.30E-06	1.19E-07	5.14E-05	1.22E-04	1.77E-04	2.4E-07	1.2E-07	8.6E-09	4.2E-08	5.0E-08
901	UCART1	570870.55	4178718.99	570870.55, 4178718.99	4.00E-04	5.67065	4.96737	25.88926	0.00581	3.60E-06	1.28E-07	3.08E-05	1.42E-04	1.77E-04	2.6E-07	1.2E-07	9.4E-09	4.2E-08	5.1E-08
902	UCART1	570910.55	4178718.99	570910.55, 4178718.99	4.22E-04	6.15743	5.29297	18.48934	0.00703	3.90E-06	1.37E-07	2.20E-05	1.72E-04	1.98E-04	2.8E-07	1.3E-07	9.9E-09	4.7E-08	5.7E-08
903	UCART1	570950.55	4178718.99	570950.55, 4178718.99	4.27E-04	6.433	5.47265	14.30171	0.00898	4.08E-06	1.41E-07	1.70E-05	2.20E-04	2.41E-04	2.8E-07	1.6E-07	1.0E-08	5.7E-08	6.7E-08
904	UCART1	570990.55	4178718.99	570990.55, 4178718.99	4.21E-04	6.50147	5.50571	11.61586	0.01112	4.12E-06	1.42E-07	1.38E-05	2.72E-04	2.90E-04	2.8E-07	1.9E-07	9.9E-09	6.9E-08	7.8E-08
905	UCART1	571030.55	4178718.99	571030.55, 4178718.99	4.07E-04	6.43193	5.42813	9.77086	0.01259	4.08E-06	1.40E-07	1.16E-05	3.08E-04	3.24E-04	2.7E-07	2.1E-07	9.5E-09	7.7E-08	8.6E-08
906	UCART1	571070.55	4178718.99	571070.55, 4178718.99	3.86E-04	6.23521	5.27189	8.40341	0.0134	3.95E-06	1.36E-07	9.98E-06	3.28E-04	3.42E-04	2.6E-07	2.3E-07	9.0E-09	8.1E-08	9.0E-08
907	UCART1	571110.55	4178718.99	571110.55, 4178718.99	3.63E-04	5.95263	5.06609	7.33799	0.01349	3.77E-06	1.31E-07	8.72E-06	3.30E-04	3.43E-04	2.4E-07	2.3E-07	8.5E-09	8.1E-08	9.0E-08
908	UCART1	571150.55	4178718.99	571150.55, 4178718.99	3.39E-04	5.63222	4.83299	6.495	0.01331	3.57E-06	1.25E-07	7.71E-06	3.26E-04	3.37E-04	2.2E-07	2.2E-07	7.9E-09	8.0E-08	8.8E-08
909	UCART1	571190.55	4178718.99	571190.55, 4178718.99	3.15E-04	5.29933	4.58257	5.80861	0.01309	3.36E-06	1.18E-07	6.90E-06	3.20E-04	3.31E-04	2.1E-07	2.2E-07	7.4E-09	7.8E-08	8.6E-08
910	UCART1	571230.55	4178718.99	571230.55, 4178718.99	2.92E-04	4.9686	4.32486	5.23728	0.01271	3.15E-06	1.12E-07	6.22E-06	3.11E-04	3.20E-04	1.9E-07	2.1E-07	6.8E-09	7.6E-08	8.3E-08
911	UCART1	571270.55	4178718.99	571270.55, 4178718.99	2.71E-04	4.64898	4.06886	4.75445	0.01228	2.95E-06	1.05E-07	5.65E-06	3.00E-04	3.09E-04	1.8E-07	2.0E-07	6.3E-09	7.3E-08	7.9E-08
912	UCART1	571310.55	4178718.99	571310.55, 4178718.99	2.50E-04	4.34386	3.81947	4.33675	0.01192	2.75E-06	9.87E-08	5.15E-06	2.92E-04	3.00E-04	1.7E-07	2.0E-07	5.8E-09	7.1E-08	7.7E-08
913	UCART1	571350.55	4178718.99	571350.55, 4178718.99	2.31E-04	4.05699	3.58184	3.97348	0.01146	2.57E-06	9.26E-08	4.72E-06	2.80E-04	2.88E-04	1.5E-07	1.9E-07	5.4E-09	6.8E-08	7.3E-08
914	UCART1	571390.55	4178718.99	571390.55, 4178718.99	2.14E-04	3.7904	3.35931	3.65562	0.01097	2.40E-06	8.68E-08	4.34E-06	2.68E-04	2.75E-04	1.4E-07	1.8E-07	5.0E-09	6.5E-08	7.0E-08
915	UCART1	571430.55	4178718.99	571430.55, 4178718.99	1.97E-04	3.54262	3.15223	3.37613	0.01043	2.25E-06	8.15E-08	4.01E-06	2.55E-04	2.62E-04	1.3E-07	1.7E-07	4.6E-09	6.2E-08	6.6E-08
916	UCART1	571470.55	4178718.99	571470.55, 4178718.99	1.83E-04	3.31498	2.96097	3.12829	0.00994	2.10E-06	7.65E-08	3.72E-06	2.43E-04	2.49E-04	1.2E-07	1.6E-07	4.3E-09	5.9E-08	6.3E-08
917	UCART1	571510.55	4178718.99	571510.55, 4178718.99	1.69E-04	3.10393	2.78371	2.90674	0.00942	1.97E-06	7.20E-08	3.45E-06	2.31E-04	2.36E-04	1.1E-07	1.6E-07	4.0E-09	5.6E-08	6.0E-08
918	UCART1	571550.55	4178718.99	571550.55, 4178718.99	1.57E-04	2.91105	2.62136	2.7085	0.00883	1.85E-06	6.78E-08	3.22E-06	2.16E-04	2.21E-04	1.0E-07	1.5E-07	3.7E-09	5.2E-08	5.6E-08
919	UCART1	571590.55	4178718.99	571590.55, 4178718.99	1.45E-04	2.7352	2.47329	2.53078	0.00829	1.73E-06	6.39E-08	3.01E-06	2.03E-04	2.08E-04	9.6E-08	1.4E-07	3.4E-09	4.9E-08	5.3E-08
920	UCART1	571630.55	4178718.99	571630.55, 4178718.99	1.35E-04	2.57434	2.33785	2.37056	0.00772	1.63E-06	6.04E-08	2.82E-06	1.89E-04	1.93E-04	9.0E-08	1.3E-07	3.2E-09	4.6E-08	4.9E-08
921	UCART1	571670.55	4178718.99	571670.55, 4178718.99	1.26E-04	2.42627	2.21306	2.22512	0.00719	1.54E-06	5.72E-08	2.64E-06	1.76E-04	1.80E-04	8.3E-08	1.2E-07	2.9E-09	4.3E-08	4.6E-08
922	UCART1	571710.55	4178718.99	571710.55, 4178718.99	1.18E-04	2.29082	2.09854	2.09308	0.00667	1.45E-06	5.42E-08	2.49E-06	1.63E-04	1.67E-04	7.8E-08	1.1E-07	2.8E-09	4.0E-08	4.2E-08
923	UCART1	571750.55	4178718.99	571750.55, 4178718.99	1.10E-04	2.16511	1.99181	1.97201	0.0062	1.37E-06	5.15E-08	2.34E-06	1.52E-04	1.55E-04	7.3E-08	1.0E-07	2.6E-09	3.7E-08	3.9E-08
924	UCART1	571790.55	4178718.99	571790.55, 4178718.99	1.03E-04	2.04935	1.89292	1.86125	0.00574	1.30E-06	4.89E-08	2.21E-06	1.40E-04	1.44E-04	6.8E-08	9.5E-08	2.4E-09	3.4E-08	3.6E-08
925	UCART1	571830.55	4178718.99	571830.55, 4178718.99	9.64E-05	1.94334	1.80176	1.76012	0.00531	1.23E-06	4.66E-08	2.09E-06	1.30E-04	1.33E-04	6.4E-08	8.8E-08	2.3E-09	3.2E-08	3.4E-08
926	UCART1	571870.55	4178718.99	571870.55, 4178718.99	9.05E-05	1.84522	1.7168	1.66716	0.00492	1.17E-06	4.44E-08	1.98E-06	1.20E-04	1.24E-04	6.0E-08	8.2E-08	2.1E-09	2.9E-08	3.1E-08
927	UCART1	570230.55	4178758.99	570230.55, 4178758.99	3.91E-05	1.01749	1.05519	1.25991	0.00039	6.45E-07	2.73E-08	1.50E-06	9.54E-06	1.17E-05	2.6E-08	7.7E-09	9.2E-10	2.8E-09	3.7E-09
928	UCART1	570270.55	4178758.99	570270.55, 4178758.99	4.35E-05	1.10494	1.14699	1.38274	0.00045	7.01E-07	2.96E-08	1.64E-06	1.10E-05	1.34E-05	2.9E-08	8.9E-09	1.0E-09	3.2E-09	4.2E-09
929	UCART1	570310.55	4178758.99	570310.55, 4178758.99	4.87E-05	1.20472	1.25131	1.52619	0.00053	7.64E-07	3.23E-08	1.81E-06	1.30E-05	1.56E-05	3.2E-08	1.0E-08	1.1E-09	3.7E-09	4.8E-09
930	UCART1	570350.55	4178758.99	570350.55, 4178758.99	5.48E-05	1.31902	1.36999	1.69604	0.00061	8.36E-07	3.54E-08	2.01E-06	1.49E-05	1.78E-05	3.6E-08	1.2E-08	1.3E-09	4.2E-09	5.5E-09
931	UCART1	570390.55	4178758.99	570390.55, 4178758.99	6.20E-05	1.45036	1.50494	1.90061	0.0007	9.20E-07	3.89E-08	2.26E-06	1.71E-05	2.03E-05	4.1E-08	1.3E-08	1.5E-09	4.8E-09	6.3E-09
932	UCART1	570430.55	4178758.99	570430.55, 4178758.99	7.06E-05	1.60148	1.65784	2.15251	0.00081	1.02E-06	4.29E-08	2.56E-06	1.98E-05	2.34E-05	4.7E-08	1.6E-08	1.7E-09	5.5E-09	7.2E-09
933	UCART1	570470.55	4178758.99	570470.55, 4178758.99	8.08E-05	1.77218	1.82654	2.46314	0.00094	1.12E-06	4.72E-08	2.93E-06	2.30E-05	2.71E-05	5.3E-08	1.8E-08	1.9E-09	6.4E-09	8.3E-09
934	UCART1	570510.55	4178758.99	570510.55, 4178758.99	9.30E-05	1.97374	2.02085	2.89356	0.0011	1.25E-06	5.22E-08	3.44E-06	2.69E-05	3.17E-05	6.2E-08	2.1E-08	2.2E-09	7.5E-09	9.7E-09
935	UCART1	570550.55	4178758.99	570550.55, 4178758.99	1.08E-04	2.2063	2.23729	3.51652	0.00134	1.40E-06	5.78E-08	4.18E-06	3.28E-05	3.84E-05	7.1E-08	2.5E-08	2.5E-09	9.1E-09	1.2E-08
936	UCART1	570590.55	4178758.99	570590.55, 4178758.99	1.25E-04	2.46435	2.46571	4.46456	0.00169	1.56E-06	6.37E-08	5.30E-06	4.14E-05	4.83E-05	8.3E-08	3.2E-08	2.9E-09	1.1E-08	1.4E-08
937	UCART1	570630.55	4178758.99	570630.55, 4178758.99	1.45E-04	2.74876	2.70308	6.11248	0.00219	1.74E-06	6.99E-08	7.26E-06	5.36E-05	6.27E-05	9.6E-08	4.1E-08	3.4E-09	1.5E-08	1.8E-08
938	UCART1	570670.55	4178758.99	570670.55, 4178758.99	1.67E-04	3.05296	2.9401	9.31515	0.0028	1.94E-06	7.60E-08	1.11E-05	6.85E-05	8.16E-05	1.1E-07	5.4E-08	3.9E-09	1.9E-08	2.3E-08
939	UCART1	570710.55	4178758.99	570710.55, 4178758.99	1.92E-04	3.36246	3.1625	16.33349	0.00335	2.13E-06	8.17E-08	1.94E-05	8.20E-05	1.04E-04	1.3E-07	6.9E-08	4.5E-09	2.5E-08	2.9E-08
940	UCART1	570750.55	4178758.99	570750.55, 4178758.99	2.19E-04	3.65744	3.36249	24.16685	0.00368	2.32E-06	8.69E-08	2.87E-05	9.00E-05	1.21E-04	1.5E-07	8.0E-08	5.1E-09	2.9E-08	3.4E-08
941	UCART1	570790.55	4178758.99	570790.55, 4178758.99	2.54E-04	3.92619	3.55792	40.29883	0.00402	2.49E-06	9.20E-08	4.79E-05	9.84E-05	1.49E-04	1.7E-07	9.8E-08	5.9E-09	3.5E-08	4.1E-08
942	UCART1	570830.55	4178758.99	570830.55, 4178758.99	2.74E-04	4.19832	3.79066	23.73868	0.00464	2.66E-06	9.80E-08	2.82E-05	1.14E-04	1.44E-04	1.8E-07	9.6E-08	6.4E-09	3.4E-08	4.1E-08
943	UCART1	570870.55	4178758.99	570870.55, 4178758.99	2.94E-04	4.52819	4.06317	16.77778	0.00533	2.87E-06	1.05E-07	1.99E-05	1.30E-04	1.53E-04	1.9E-07	1.0E-07	6.9E-09	3.6E-08	4.3E-08
944	UCART1	570910.55	4178758.99	570910.55, 4178758.99	3.06E-04	4.84901	4.29149	12.98446	0.006	3.07E-06	1.11E-07	1.54E-05	1.47E-04	1.65E-04	2.0E-07	1.1E-07	7.2E-09	3.9E-08	4.6E-08
945	UCART1	570950.55	4178758.99	570950.55, 4178758.99	3.10E-04	5.04713	4.43043	10.74087	0.00712	3.20E-06	1.15E-07	1.28E-05	1.74E-04	1.90E-04	2.0E-07	1.3E-07	7.2E-09	4.5E-08	5.2E-08
946	UCART1	570990.55	4178758.99	570990.55, 4178758.99	3.08E-04	5.10919	4.4536	9.04756	0.00845	3.24E-06	1.15E-07	1.07E-05	2.07E-04	2.21E-04	2.0E-07	1.5E-07	7.2E-09	5.2E-08	5.9E-08
947	UCART1	571030.55	4178758.99	571030.55, 4178758.99	3.01E-04	5.0731	4.39733	7.79633	0.00956	3.22E-06	1.14E-07	9.26E-06	2.34E-04	2.47E-04	2.0E-07	1.6E-07	7.0E-09	5.8E-08	6.5E-08
948	UCART1	571070.55	4178758.99	571070.55, 4178758.99	2.90E-04	4.96397	4.2982	6.8632	0.01024	3.15E-06	1.11E-07	8.15E-06	2.51E-04	2.62E-04	1.9E-07	1.7E-07	6.8E-09	6.2E-08	6.9E-08
949	UCART1	571110.55	4178758.99	571110.55, 4178758.99	2.77E-04	4.79255	4.16496	6.11094	0.01051	3.04E-06	1.08E-07	7.26E-06	2.57E-04	2.68E-04	1.8E-07	1.8E-07	6.5E-09	6.3E-08	7.0E-08
950	UCART1	571150.55	4178758.99	571150.55, 4178758.99	2.62E-04	4.58747	4.00842	5.49268	0.01049	2.91E-06	1.04E-07	6.52E-06	2.57E-04	2.66E-04	1.7E-07	1.8E-07	6.1E-09	6.3E-08	6.9E-08
951	UCART1	571190.55	4178758.99	571190.55, 4178758.99	2.47E-04	4.3673	3.83656	4.97735	0.01024	2.77E-06	9.92E-08	5.91E-06	2.51E-04	2.59E-04	1.6E-07	1.7E-07	5.8E-09	6.1E-08	6.7E-08
952	UCART1	571230.55	4178758.99	571230.55, 4178758.99	2.32E-04	4.1394	3.65473	4.53739	0.00997	2.62E-06	9.45E-08	5.39E-06	2.44E-04	2.52E-04	1.5E-07	1.7E-07	5.4E-09	6.0E-08	6.5E-08
953	UCART1	571270.55	4178758.99	571270.55, 4178758.99	2.18E-04	3.91154	3.46958	4.15864	0.0097	2.48E-06	8.97E-08	4.94E-06	2.37E-04	2.45E-04	1.4E-07	1.6E-07	5.1E-09	5.8E-08	6.3E-08
954	UCART1	571310.55	4178758.99	571310.55, 4178758.99	2.04E-04	3.68787	3.28509	3.82765	0.00937	2.34E-06	8.49E-08	4.55E-06	2.29E-04	2.36E-04	1.3E-07	1.6E-07	4.8E-09	5.6E-08	6.1E-08
955	UCART1	571350.55	4178758.99	571350.55, 4178758.99	1.91E-04	3.47268	3.10443	3.53432	0.00906	2.20E-06	8.02E-08	4.20E-06	2.22E-04	2.28E-04	1.3E-07	1.5E-07	4.5E-09	5.4E-08	5.8E-08
956	UCART1	571390.55	4178758.99	571390.55, 4178758.99	1.78E-04	3.26813	2.93118	3.27496	0.00876	2.07E-06	7.58E-08	3.89E-06	2.14E-04	2.20E-04	1.2E-07	1.5E-07	4.2E-09	5.2E-08	5.6E-08
957	UCART1	571430.55	4178758.99	571430.55, 4178758.99	1.66E-04	3.07462	2.76634	3.04325	0.00844	1.95E-06	7.15E-08	3.61E-06	2.07E-04	2.12E-04	1.1E-07	1.4E-07	3.9E-09	5.0E-08	5.4E-08
958	UCART1	571470.55	4178758.99	571470.55, 4178758.99	1.55E-04	2.89629	2.61281	2.83628	0.00809	1.84E-06	6.75E-08	3.37E-06	1.98E-04	2.03E-04	1.0E-07	1.3E-07	3.6E-09	4.8E-08	5.2E-08
959	UCART1	571510.55	4178758.99	571510.55, 4178758.99	1.45E-04	2.72989	2.46918	2.64978	0.00773	1.73E-06	6.38E-08	3.15E-06	1.89E-04	1.94E-04	9.6E-08	1.3E-07	3.4E-09	4.6E-08	4.9E-08
960	UCART1	571550.55	4178758.99	571550.55, 4178758.99	1.36E-04	2.57516	2.33541	2.48097	0.00734	1.63E-06	6.04E-08	2.95E-06	1.80E-04	1.84E-04	9.0E-08	1.2E-07	3.2E-09	4.4E-08	4.7E-08
961	UCART1	571590.55	4178758.99	571590.55, 4178758.99	1.27E-04	2.4327	2.21216	2.32836	0.00695	1.54E-06	5.72E-08	2.77E-06	1.70E-04	1.74E-04	8.4E-08	1.2E-07	3.0E-09	4.1E-08	4.4E-08
962	UCART1	571630.55	4178758.99	571630.55, 4178758.99	1.19E-04	2.30148	2.09885	2.18997	0.00655	1.46E-06	5.43E-08	2.60E-06	1.60E-04	1.64E-04	7.9E-08	1.1E-07	2.8E-09	3.9E-08	4.2E-08
963	UCART1	571670.55	4178758.99	571670.55, 4178758.99	1.11E-04	2.17837	1.99281	2.06284	0.00621	1.38E-06	5.15E-08	2.45E-06	1.52E-04	1.56E-04	7.4E-08	1.0E-07	2.6E-09	3.7E-08	3.9E-08
964	UCART1	571710.55	4178758.99	571710.55, 4178758.99	1.05E-04	2.0663	1.89644	1.94755	0.00587	1.31E-06	4.90E-08	2.31E-06	1.44E-04	1.47E-04	6.9E-08	9.7E-08	2.5E-09	3.5E-08	3.7E-08
965	UCART1	571750.55	4178758.99	571750.55, 4178758.99	9.86E-05	1.96199	1.80679	1.84148	0.0055	1.24E-06	4.67E-08	2.19E-06	1.35E-04	1.38E-04	6.5E-08	9.1E-08	2.3E-09	3.3E-08	3.5E-08
966	UCART1	571790.55	4178758.99	571790.55, 4178758.99	9.27E-05	1.86464	1.723	1.74353	0.00517	1.18E-06	4.45E-08	2.07E-06	1.27E-04	1.30E-04	6.1E-08	8.6E-08	2.2E-09	3.1E-08	3.3E-08
967	UCART1	571830.55	4178758.99	571830.55, 4178758.99	8.74E-05	1.77419	1.64493	1.65315	0.00483	1.13E-06	4.25E-08	1.96E-06	1.18E-04	1.21E-04	5.8E-08	8.0E-08	2.0E-09	2.9E-08	3.1E-08
968	UCART1	571870.55	4178758.99	571870.55, 4178758.99	8.25E-05	1.69062	1.57252	1.56996	0.00451	1.07E-06	4.06E-08	1.86E-06	1.10E-04	1.13E-04	5.5E-08	7.5E-08	1.9E-09	2.7E-08	2.9E-08
969	UCART1	570230.55	4178798.99	570230.55, 4178798.99	3.92E-05	0.99685	1.03233	1.22107	0.0004	6.32E-07	2.67E-08	1.45E-06	9.79E-06	1.19E-05	2.6E-08	7.9E-09	9.2E-10	2.8E-09	3.7E-09
970	UCART1	570270.55	4178798.99	570270.55, 4178798.99	4.35E-05	1.0806	1.11927	1.33596	0.00045	6.85E-07	2.89E-08	1.59E-06	1.10E-05	1.33E-05	2.9E-08	8.8E-09	1.0E-09	3.1E-09	4.2E-09
971	UCART1	570310.55	4178798.99	570310.55, 4178798.99	4.85E-05	1.17537	1.21684	1.46951	0.00052	7.45E-07	3.15E-08	1.75E-06	1.27E-05	1.52E-05	3.2E-08	1.0E-08	1.1E-09	3.6E-09	4.7E-09
972	UCART1	570350.55	4178798.99	570350.55, 4178798.99	5.43E-05	1.28272	1.32608	1.62681	0.00059	8.13E-07	3.43E-08	1.93E-06	1.44E-05	1.72E-05	3.6E-08	1.1E-08	1.3E-09	4.1E-09	5.3E-09
973	UCART1	570390.55	4178798.99	570390.55, 4178798.99	6.10E-05	1.40415	1.44769	1.81492	0.00068	8.90E-07	3.74E-08	2.16E-06	1.66E-05	1.97E-05	4.0E-08	1.3E-08	1.4E-09	4.7E-09	6.1E-09
974	UCART1	570430.55	4178798.99	570430.55, 4178798.99	6.88E-05	1.53913	1.57984	2.03969	0.00078	9.76E-07	4.08E-08	2.42E-06	1.91E-05	2.25E-05	4.6E-08	1.5E-08	1.6E-09	5.3E-09	6.9E-09

975	UCART1	570470.55	4178798.99	570470.55, 4178798.99	7.79E-05	1.69403	1.72792	2.33267	0.00091	1.07E-06	4.47E-08	2.77E-06	2.23E-05	2.62E-05	5.2E-08	1.7E-08	1.8E-09	6.2E-09	8.0E-09
976	UCART1	570510.55	4178798.99	570510.55, 4178798.99	8.86E-05	1.87005	1.89125	2.73259	0.00109	1.19E-06	4.89E-08	3.25E-06	2.67E-05	3.12E-05	5.9E-08	2.1E-08	2.1E-09	7.4E-09	9.4E-09
977	UCART1	570550.55	4178798.99	570550.55, 4178798.99	1.01E-04	2.06079	2.0609	3.29016	0.00136	1.31E-06	5.33E-08	3.91E-06	3.33E-05	3.85E-05	6.7E-08	2.6E-08	2.4E-09	9.1E-09	1.1E-08
978	UCART1	570590.55	4178798.99	570590.55, 4178798.99	1.14E-04	2.26566	2.23457	4.16722	0.00174	1.44E-06	5.78E-08	4.95E-06	4.26E-05	4.90E-05	7.6E-08	3.2E-08	2.7E-09	1.2E-08	1.4E-08
979	UCART1	570630.55	4178798.99	570630.55, 4178798.99	1.29E-04	2.48074	2.40757	5.85783	0.00224	1.57E-06	6.22E-08	6.96E-06	5.48E-05	6.34E-05	8.6E-08	4.2E-08	3.0E-09	1.5E-08	1.8E-08
980	UCART1	570670.55	4178798.99	570670.55, 4178798.99	1.46E-04	2.69766	2.57145	10.5728	0.00274	1.71E-06	6.65E-08	1.26E-05	6.70E-05	8.14E-05	9.6E-08	5.4E-08	3.4E-09	1.9E-08	2.3E-08
981	UCART1	570710.55	4178798.99	570710.55, 4178798.99	1.63E-04	2.90563	2.72015	16.21317	0.00309	1.84E-06	7.03E-08	1.93E-05	7.56E-05	9.68E-05	1.1E-07	6.4E-08	3.8E-09	2.3E-08	2.7E-08
982	UCART1	570750.55	4178798.99	570750.55, 4178798.99	1.88E-04	3.09562	2.85771	35.15749	0.00334	1.96E-06	7.39E-08	4.18E-05	8.17E-05	1.26E-04	1.2E-07	8.3E-08	4.4E-09	3.0E-08	3.4E-08
983	UCART1	570790.55	4178798.99	570790.55, 4178798.99	1.99E-04	3.27373	3.00542	20.49574	0.00367	2.08E-06	7.77E-08	2.43E-05	8.98E-05	1.16E-04	1.3E-07	7.7E-08	4.7E-09	2.8E-08	3.2E-08
984	UCART1	570830.55	4178798.99	570830.55, 4178798.99	2.13E-04	3.47582	3.1916	14.59392	0.00423	2.20E-06	8.25E-08	1.73E-05	1.04E-04	1.23E-04	1.4E-07	8.1E-08	5.0E-09	2.9E-08	3.4E-08
985	UCART1	570870.55	4178798.99	570870.55, 4178798.99	2.26E-04	3.7262	3.40277	11.47611	0.00484	2.36E-06	8.80E-08	1.36E-05	1.18E-04	1.35E-04	1.5E-07	8.9E-08	5.3E-09	3.2E-08	3.7E-08
986	UCART1	570910.55	4178798.99	570910.55, 4178798.99	2.34E-04	3.95694	3.57551	9.52099	0.00531	2.51E-06	9.24E-08	1.13E-05	1.30E-04	1.44E-04	1.5E-07	9.5E-08	5.5E-09	3.4E-08	3.9E-08
987	UCART1	570950.55	4178798.99	570950.55, 4178798.99	2.27E-04	4.03658	3.62853	7.97965	0.00583	2.56E-06	9.38E-08	9.48E-06	1.43E-04	1.55E-04	1.5E-07	1.0E-07	5.3E-09	3.7E-08	4.2E-08
988	UCART1	570990.55	4178798.99	570990.55, 4178798.99	2.30E-04	4.11523	3.66908	7.06848	0.00665	2.61E-06	9.48E-08	8.40E-06	1.63E-04	1.74E-04	1.5E-07	1.2E-07	5.4E-09	4.1E-08	4.7E-08
989	UCART1	571030.55	4178798.99	571030.55, 4178798.99	2.32E-04	4.12657	3.64782	6.29302	0.00749	2.62E-06	9.43E-08	7.47E-06	1.83E-04	1.93E-04	1.5E-07	1.3E-07	5.4E-09	4.6E-08	5.1E-08
990	UCART1	571070.55	4178798.99	571070.55, 4178798.99	2.25E-04	4.05609	3.57722	5.63735	0.00807	2.57E-06	9.25E-08	6.70E-06	1.97E-04	2.07E-04	1.5E-07	1.4E-07	5.3E-09	4.9E-08	5.4E-08
991	UCART1	571110.55	4178798.99	571110.55, 4178798.99	2.17E-04	3.94763	3.48819	5.10761	0.00838	2.50E-06	9.02E-08	6.07E-06	2.05E-04	2.14E-04	1.4E-07	1.4E-07	5.1E-09	5.1E-08	5.6E-08
992	UCART1	571150.55	4178798.99	571150.55, 4178798.99	2.08E-04	3.81202	3.38115	4.65781	0.00841	2.42E-06	8.74E-08	5.53E-06	2.06E-04	2.14E-04	1.4E-07	1.4E-07	4.9E-09	5.1E-08	5.5E-08
993	UCART1	571190.55	4178798.99	571190.55, 4178798.99	1.98E-04	3.66038	3.25862	4.2662	0.00835	2.32E-06	8.42E-08	5.07E-06	2.04E-04	2.12E-04	1.3E-07	1.4E-07	4.6E-09	5.0E-08	5.5E-08
994	UCART1	571230.55	4178798.99	571230.55, 4178798.99	1.88E-04	3.5006	3.12747	3.9283	0.00814	2.22E-06	8.08E-08	4.67E-06	1.99E-04	2.06E-04	1.2E-07	1.4E-07	4.4E-09	4.9E-08	5.3E-08
995	UCART1	571270.55	4178798.99	571270.55, 4178798.99	1.78E-04	3.33676	2.9917	3.63312	0.00791	2.12E-06	7.73E-08	4.32E-06	1.94E-04	2.00E-04	1.2E-07	1.3E-07	4.2E-09	4.7E-08	5.1E-08
996	UCART1	571310.55	4178798.99	571310.55, 4178798.99	1.69E-04	3.17137	2.85352	3.37049	0.00761	2.01E-06	7.38E-08	4.00E-06	1.86E-04	1.92E-04	1.1E-07	1.3E-07	3.9E-09	4.5E-08	4.9E-08
997	UCART1	571350.55	4178798.99	571350.55, 4178798.99	1.59E-04	3.00796	2.7156	3.13616	0.00738	1.91E-06	7.02E-08	3.73E-06	1.81E-04	1.86E-04	1.1E-07	1.2E-07	3.7E-09	4.4E-08	4.8E-08
998	UCART1	571390.55	4178798.99	571390.55, 4178798.99	1.49E-04	2.84709	2.57918	2.92484	0.00711	1.81E-06	6.67E-08	3.47E-06	1.74E-04	1.79E-04	9.9E-08	1.2E-07	3.5E-09	4.2E-08	4.6E-08
999	UCART1	571430.55	4178798.99	571430.55, 4178798.99	1.41E-04	2.69597	2.44866	2.73485	0.00682	1.71E-06	6.33E-08	3.25E-06	1.67E-04	1.72E-04	9.3E-08	1.1E-07	3.3E-09	4.1E-08	4.4E-08
###	UCART1	571470.55	4178798.99	571470.55, 4178798.99	1.33E-04	2.55365	2.32467	2.56341	0.00659	1.62E-06	6.01E-08	3.04E-06	1.61E-04	1.66E-04	8.8E-08	1.1E-07	3.1E-09	3.9E-08	4.2E-08
###	UCART1	571510.55	4178798.99	571510.55, 4178798.99	1.25E-04	2.4215	2.20846	2.40834	0.00635	1.54E-06	5.71E-08	2.86E-06	1.55E-04	1.60E-04	8.3E-08	1.1E-07	2.9E-09	3.8E-08	4.1E-08
###	UCART1	571550.55	4178798.99	571550.55, 4178798.99	1.18E-04	2.29293	2.09583	2.26483	0.0061	1.45E-06	5.42E-08	2.69E-06	1.49E-04	1.53E-04	7.8E-08	1.0E-07	2.8E-09	3.6E-08	3.9E-08
###	UCART1	571590.55	4178798.99	571590.55, 4178798.99	1.11E-04	2.17524	1.99188	2.13461	0.00582	1.38E-06	5.15E-08	2.54E-06	1.42E-04	1.46E-04	7.3E-08	9.7E-08	2.6E-09	3.5E-08	3.7E-08
###	UCART1	571630.55	4178798.99	571630.55, 4178798.99	1.05E-04	2.06743	1.89658	2.01642	0.00556	1.31E-06	4.90E-08	2.40E-06	1.36E-04	1.40E-04	6.9E-08	9.3E-08	2.5E-09	3.3E-08	3.6E-08
###	UCART1	571670.55	4178798.99	571670.55, 4178798.99	9.89E-05	1.96499	1.80625	1.90676	0.0053	1.25E-06	4.67E-08	2.26E-06	1.30E-04	1.33E-04	6.5E-08	8.8E-08	2.3E-09	3.2E-08	3.4E-08
###	UCART1	571710.55	4178798.99	571710.55, 4178798.99	9.34E-05	1.87027	1.72295	1.80621	0.00502	1.19E-06	4.45E-08	2.15E-06	1.23E-04	1.26E-04	6.2E-08	8.4E-08	2.2E-09	3.0E-08	3.2E-08
###	UCART1	571750.55	4178798.99	571750.55, 4178798.99	8.84E-05	1.78272	1.64619	1.71384	0.00476	1.13E-06	4.26E-08	2.04E-06	1.16E-04	1.20E-04	5.9E-08	7.9E-08	2.1E-09	2.8E-08	3.0E-08
###	UCART1	571790.55	4178798.99	571790.55, 4178798.99	8.36E-05	1.69971	1.5736	1.6276	0.0045	1.08E-06	4.07E-08	1.93E-06	1.10E-04	1.13E-04	5.5E-08	7.5E-08	2.0E-09	2.7E-08	2.9E-08
###	UCART1	571830.55	4178798.99	571830.55, 4178798.99	7.91E-05	1.62265	1.50628	1.54786	0.00427	1.03E-06	3.89E-08	1.84E-06	1.04E-04	1.07E-04	5.2E-08	7.1E-08	1.9E-09	2.5E-08	2.7E-08
###	UCART1	571870.55	4178798.99	571870.55, 4178798.99	7.50E-05	1.55096	1.44365	1.47398	0.00403	9.83E-07	3.73E-08	1.75E-06	9.86E-05	1.01E-04	5.0E-08	6.7E-08	1.8E-09	2.4E-08	2.6E-08
###	UCART1	570230.55	4178838.99	570230.55, 4178838.99	3.91E-05	0.97566	1.00794	1.18079	0.00039	6.19E-07	2.61E-08	1.40E-06	9.54E-06	1.16E-05	2.6E-08	7.7E-09	9.2E-10	2.7E-09	3.7E-09
###	UCART1	570270.55	4178838.99	570270.55, 4178838.99	4.32E-05	1.05505	1.08901	1.28779	0.00044	6.69E-07	2.82E-08	1.53E-06	1.08E-05	1.30E-05	2.9E-08	8.6E-09	1.0E-09	3.1E-09	4.1E-09
###	UCART1	570310.55	4178838.99	570310.55, 4178838.99	4.79E-05	1.1439	1.17866	1.4117	0.0005	7.25E-07	3.05E-08	1.68E-06	1.22E-05	1.47E-05	3.2E-08	9.7E-09	1.1E-09	3.5E-09	4.6E-09
###	UCART1	570350.55	4178838.99	570350.55, 4178838.99	5.33E-05	1.2428	1.27684	1.5562	0.00057	7.88E-07	3.30E-08	1.85E-06	1.39E-05	1.66E-05	3.5E-08	1.1E-08	1.2E-09	3.9E-09	5.2E-09
###	UCART1	570390.55	4178838.99	570390.55, 4178838.99	5.94E-05	1.35126	1.38222	1.72466	0.00065	8.57E-07	3.57E-08	2.05E-06	1.59E-05	1.88E-05	3.9E-08	1.2E-08	1.4E-09	4.5E-09	5.8E-09
###	UCART1	570430.55	4178838.99	570430.55, 4178838.99	6.64E-05	1.4731	1.49803	1.9348	0.00075	9.34E-07	3.87E-08	2.30E-06	1.84E-05	2.16E-05	4.4E-08	1.4E-08	1.6E-09	5.1E-09	6.7E-09
###	UCART1	570470.55	4178838.99	570470.55, 4178838.99	7.44E-05	1.60888	1.62377	2.2059	0.0009	1.02E-06	4.20E-08	2.62E-06	2.20E-05	2.57E-05	4.9E-08	1.7E-08	1.7E-09	6.1E-09	7.8E-09
###	UCART1	570510.55	4178838.99	570510.55, 4178838.99	8.33E-05	1.75363	1.75305	2.55566	0.00109	1.11E-06	4.53E-08	3.04E-06	2.67E-05	3.09E-05	5.5E-08	2.0E-08	1.9E-09	7.3E-09	9.2E-09
###	UCART1	570550.55	4178838.99	570550.55, 4178838.99	9.31E-05	1.90647	1.88431	3.04116	0.00139	1.21E-06	4.87E-08	3.61E-06	3.40E-05	3.89E-05	6.2E-08	2.6E-08	2.2E-09	9.2E-09	1.1E-08
###	UCART1	570590.55	4178838.99	570590.55, 4178838.99	1.04E-04	2.06493	2.01469	3.791	0.00178	1.31E-06	5.21E-08	4.50E-06	4.36E-05	4.94E-05	6.9E-08	3.3E-08	2.4E-09	1.2E-08	1.4E-08
###	UCART1	570630.55	4178838.99	570630.55, 4178838.99	1.15E-04	2.22396	2.13968	5.16168	0.0022	1.41E-06	5.53E-08	6.13E-06	5.38E-05	6.14E-05	7.6E-08	4.1E-08	2.7E-09	1.5E-08	1.7E-08
###	UCART1	570670.55	4178838.99	570670.55, 4178838.99	1.26E-04	2.37695	2.25412	8.56463	0.00256	1.51E-06	5.83E-08	1.02E-05	6.26E-05	7.44E-05	8.4E-08	4.9E-08	3.0E-09	1.8E-08	2.1E-08
###	UCART1	570710.55	4178838.99	570710.55, 4178838.99	1.40E-04	2.51807	2.35794	15.1322	0.0028	1.60E-06	6.10E-08	1.80E-05	6.85E-05	8.81E-05	9.3E-08	5.8E-08	3.3E-09	2.1E-08	2.4E-08
###	UCART1	570750.55	4178838.99	570750.55, 4178838.99	1.50E-04	2.64676	2.46025	13.32841	0.003	1.68E-06	6.36E-08	1.58E-05	7.34E-05	9.10E-05	9.9E-08	6.0E-08	3.5E-09	2.2E-08	2.5E-08
###	UCART1	570790.55	4178838.99	570790.55, 4178838.99	1.60E-04	2.77842	2.58183	10.91834	0.00334	1.76E-06	6.67E-08	1.30E-05	8.17E-05	9.65E-05	1.1E-07	6.4E-08	3.8E-09	2.3E-08	2.7E-08
###	UCART1	570830.55	4178838.99	570830.55, 4178838.99	1.71E-04	2.94084	2.73589	9.14666	0.00385	1.86E-06	7.07E-08	1.09E-05	9.42E-05	1.07E-04	1.1E-07	7.1E-08	4.0E-09	2.5E-08	2.9E-08
###	UCART1	570870.55	4178838.99	570870.55, 4178838.99	1.79E-04	3.13355	2.90025	7.87558	0.00436	1.99E-06	7.50E-08	9.35E-06	1.07E-04	1.18E-04	1.2E-07	7.8E-08	4.2E-09	2.8E-08	3.2E-08
###	UCART1	570910.55	4178838.99	570910.55, 4178838.99	1.85E-04	3.30151	3.02844	6.92961	0.00468	2.09E-06	7.83E-08	8.23E-06	1.15E-04	1.25E-04	1.2E-07	8.3E-08	4.3E-09	3.0E-08	3.4E-08
###	UCART1	570950.55	4178838.99	570950.55, 4178838.99	1.87E-04	3.39816	3.09459	6.187	0.00495	2.15E-06	8.00E-08	7.35E-06	1.21E-04	1.31E-04	1.2E-07	8.6E-08	4.4E-09	3.1E-08	3.5E-08
###	UCART1	570990.55	4178838.99	570990.55, 4178838.99	1.83E-04	3.42033	3.09459	5.55198	0.00538	2.17E-06	8.00E-08	6.59E-06	1.32E-04	1.40E-04	1.2E-07	9.3E-08	4.3E-09	3.3E-08	3.8E-08
###	UCART1	571030.55	4178838.99	571030.55, 4178838.99	1.83E-04	3.42857	3.07953	5.075	0.00599	2.17E-06	7.96E-08	6.03E-06	1.47E-04	1.55E-04	1.2E-07	1.0E-07	4.3E-09	3.7E-08	4.1E-08
###	UCART1	571070.55	4178838.99	571070.55, 4178838.99	1.80E-04	3.38665	3.03053	4.63744	0.00649	2.15E-06	7.83E-08	5.51E-06	1.59E-04	1.67E-04	1.2E-07	1.1E-07	4.2E-09	3.9E-08	4.4E-08
###	UCART1	571110.55	4178838.99	571110.55, 4178838.99	1.74E-04	3.3129	2.96711	4.26794	0.00679	2.10E-06	7.67E-08	5.07E-06	1.66E-04	1.73E-04	1.2E-07	1.1E-07	4.1E-09	4.1E-08	4.5E-08
###	UCART1	571150.55	4178838.99	571150.55, 4178838.99	1.68E-04	3.2199	2.89129	3.94575	0.00693	2.04E-06	7.47E-08	4.69E-06	1.70E-04	1.76E-04	1.1E-07	1.2E-07	3.9E-09	4.2E-08	4.6E-08
###	UCART1	571190.55	4178838.99	571190.55, 4178838.99	1.62E-04	3.11365	2.8033	3.65763	0.00688	1.97E-06	7.25E-08	4.34E-06	1.68E-04	1.75E-04	1.1E-07	1.2E-07	3.8E-09	4.1E-08	4.5E-08
###	UCART1	571230.55	4178838.99	571230.55, 4178838.99	1.55E-04	2.99895	2.70687	3.40142	0.00679	1.90E-06	7.00E-08	4.04E-06	1.66E-04	1.72E-04	1.0E-07	1.1E-07	3.6E-09	4.1E-08	4.4E-08
###	UCART1	571270.55	4178838.99	571270.55, 4178838.99	1.48E-04	2.87872	2.60515	3.17242	0.0066	1.83E-06	6.73E-08	3.77E-06	1.62E-04	1.67E-04	9.8E-08	1.1E-07	3.5E-09	4.0E-08	4.3E-08
###	UCART1	571310.55	4178838.99	571310.55, 4178838.99	1.41E-04	2.75524	2.5001	2.96526	0.00636	1.75E-06	6.46E-08	3.52E-06	1.56E-04	1.61E-04	9.4E-08	1.1E-07	3.3E-09	3.8E-08	4.1E-08
###	UCART1	571350.55	4178838.99	571350.55, 4178838.99	1.34E-04	2.63055	2.39386	2.7789	0.00615	1.67E-06	6.19E-08	3.30E-06	1.50E-04	1.56E-04	8.9E-08	1.0E-07	3.1E-09	3.7E-08	4.0E-08
###	UCART1	571390.55	4178838.99	571390.55, 4178838.99	1.27E-04	2.50586	2.28716	2.6084	0.00591	1.59E-06	5.91E-08	3.10E-06	1.45E-04	1.49E-04	8.4E-08	9.9E-08	3.0E-09	3.5E-08	3.8E-08
###	UCART1	571430.55	4178838.99	571430.55, 4178838.99	1.20E-04	2.38582	2.18306	2.4534	0.00566	1.51E-06	5.64E-08	2.91E-06	1.38E-04	1.43E-04	8.0E-08	9.5E-08	2.8E-09	3.4E-08	3.7E-08
###	UCART1	571470.55	4178838.99	571470.55, 4178838.99	1.14E-04	2.27126	2.08278	2.31229	0.00547	1.44E-06	5.38E-08	2.75E-06	1.34E-04	1.38E-04	7.6E-08	9.1E-08	2.7E-09	3.3E-08	3.5E-08
###	UCART1	571510.55	4178838.99	571510.55, 4178838.99	1.09E-04	2.16311	1.98718	2.18333	0.00526	1.37E-06	5.14E-08	2.59E-06	1.29E-04	1.33E-04	7.2E-08	8.8E-08	2.5E-09	3.1E-08	3.4E-08
###	UCART1	571550.55	4178838.99	571550.55, 4178838.99	1.03E-04	2.05926	1.89522	2.06423	0.00507	1.31E-06	4.90E-08	2.45E-06	1.24E-04	1.28E-04	6.8E-08	8.5E-08	2.4E-09	3.0E-08	3.3E-08
###	UCART1	571590.55	4178838.99	571590.55, 4178838.99	9.76E-05	1.95912	1.80631	1.95321	0.00487	1.24E-06	4.67E-08	2.32E-06	1.19E-04	1.23E-04	6.5E-08	8.1E-08	2.3E-09	2.9E-08	3.1E-08
###	UCART1	571630.55	4178838.99	571630.55, 4178838.99	9.28E-05	1.86805	1.72466	1.85219	0.00468	1.18E-06	4.46E-08	2.20E-06	1.15E-04	1.18E-04	6.1E-08	7.8E-08	2.2E-09	2.8E-08	3.0E-08
###	UCART1	571670.55	4178838.99	571670.55, 4178838.99	8.80E-05	1.78194	1.64737	1.75835	0.00448	1.13E-06	4.26E-08	2.09E-06	1.10E-04	1.13E-04	5.8E-08	7.5E-08	2.1E-09	2.7E-08	2.9E-08
###	UCART1	571710.55	4178838.99	571710.55, 4178838.99	8.37E-05	1.70171	1.57539	1.67166	0.0043	1.08E-06	4.07E-08	1.99E-06	1.05E-04	1.08E-04	5.5E-08	7.2E-08	2.0E-09	2.6E-08	2.8E-08
###	UCART1	571750.55	4178838.99	571750.55, 4178838.99	7.95E-05	1.62619	1.50781	1.59099	0.00411	1.03E-06	3.90E-08	1.89E-06	1.01E-04	1.04E-04	5.3E-08	6.9E-08	1.9E-09	2.4E-08	2.6E-08
###	UCART1	571790.55	4178838.99	571790.55, 4178838.99	7.54E-05	1.55448	1.44388	1.51538	0.00392	9.86E-07	3.73E-08	1.80E-06	9.59E-05	9.87E-05	5.0E-08	6.5E-08	1.8E-09	2.3E-08	2.5E-08
###	UCART1	571830.55	4178838.99	571830.55, 4178838.99	7.16E-05	1.48796	1.38475	1.44532	0.00374	9.44E-07	3.58E-08	1.72E-06	9.15E-05	9.42E-05	4.7E-08	6.2E-08	1.7E-09	2.2E-08	2.4E-08
###	UCART1	571870.55	4178838.99	571870.55, 4178838.99	6.83E-05	1.42622	1.33	1.38033	0.00355	9.04E-07	3.44E-08	1.64E-06	8.69E-05	8.94E-05	4.5E-08	5.9E-08	1.6E-09	2.1E-08	2.3E-08
###	UCART1	570230.55	4178878.99	570230.55, 4178878.99	3.89E-05	0.95305	0.98103	1.13944	0.00038	6.04E-07	2.54E-08	1.35E-06	9.30E-06	1.13E-05	2.6E-08	7.5E-09	9.1E-10	2.7E-09	3.6E-09
###	UCART1	570270.55	4178878.99	570270.55, 4178878.99	4.27E-05	1.02726	1.05532	1.23871	0.00043	6.51E-07	2.73E-08	1.47E-06	1.05E-05	1.27E-05	2.8E-08	8.4E-09	1.0E-09	3.0E-09	4.0E-09
###	UCART1	570310.55	4178878.99	570310.55, 4178878.99	4.70E-05	1.10877	1.13565	1.35228	0.00048	7.03E-07	2.94E-08	1.61E-06	1.17E-05	1.41E-05	3.1E-08	9.3E-09	1.1E-09	3.3E-09	4.4E-09
###	UCART1	570350.55	4178878.99	570350.55, 4178878.99	5.19E-05	1.19655	1.22036	1.48083	0.00055	7.59E-07	3.15E-08	1.76E-06	1.35E-05	1.60E-05	3.4E-08	1.1E-08	1.2E-09	3.8E-09	5.0E-09
###	UCART1	570390.55	4178878.99	570390.55, 4178878.99	5.74E-05	1.29443	1.31306	1.63799	0.00063	8.21E-07	3.39E-08	1.95E-06	1.54E-05	1.82E-05	3.8E-08	1.2E-08	1.3E-09	4.3E-09	5.7E-09
###	UCART1	570430.55	4178878.99	570430.55, 4178878.99	6.35E-05	1.40176	1.41241	1.8323	0.00074	8.89E-07	3.65E-08	2.18E-06	1.81E-05	2.12E-05	4.2E-08	1.4E-08	1.5E-09	5.0E-09	6.5E-09
###	UCART1	570470.55	4178878.99	570470.55, 4178878.99	7.03E-05	1.51462	1.51371	2.06982	0.0009	9.60E-07	3.91E-08	2.46E-06	2.20E-05	2.55E-05	4.6E-08	1.7E-08	1.6E-09	6.0E-09	7.7E-09
###	UCART1	570510.55	4178878.99	570510.55, 4178878.99	7.75E-05	1.63202	1.61568	2.37263	0.00112	1.03E-06	4.18E-08	2.82E-06	2.74E-05	3.13E-05	5.1E-08	2.1E-08	1.8E-09	7.4E-09	9.2E-09
###	UCART1	570550.55	4178878.99	570550.55, 4178878.99	8.52E-05	1.75196	1.71616	2.77764	0.00141	1.11E-06	4.44E-08	3.30E-06	3.45E-05	3.90E-05	5.6E-08	2.6E-08	2.0E-09	9.2E-09	1.1E-08
###	UCART1	570590.55	4178878.99	570590.55, 4178878.99	9.31E-05	1.87233	1.81341	3.36156	0.00176	1.19E-06	4.69E-08	3.99E-06	4.31E-05	4.83E-05	6.2E-08	3.2E-08	2.2E-09	1.1E-08	1.4E-08
###	UCART1	570630.55	4178878.99	570630.55, 4178878.99	1.01E-04	1.98884	1.90406	4.23836	0.00209	1.26E-06	4.92E-08	5.03E-06	5.11E-05	5.75E-05	6.7E-08	3.8E-08	2.4E-09	1.4E-08	1.6E-08
###	UCART1	570670.55	4178878.99	570670.55, 4178878.99	1.09E-04	2.09721	1.98591	5.38793	0.00234	1.33E-06	5.13E-08	6.40E-06	5.73E-05	6.50E-05	7.2E-08	4.3E-08	2.5E-09	1.5E-08	1.8E-08
###	UCART1	570710.55	4178878.99	570710.55, 4178878.99	1.17E-04	2.19511	2.06182	6.34622	0.00251	1.39E-06	5.33E-08	7.54E-06	6.14E-05	7.04E-05	7.7E-08	4.7E-08	2.7E-09	1.7E-08	1.9E-08
###	UCART1	570750.55	4178878.99	570750.55, 4178878.99	1.24E-04	2.28911	2.14438	6.59597	0.0027	1.45E-06	5.54E-08	7.83E-06	6.61E-05	7.54E-05	8.2E-08	5.0E-08	2.9E-09	1.8E-08	2.1E-08
###	UCART1	570790.55	4178878.99	570790.55, 4178878.99	1.32E-04	2.3948	2.24831	6.34378	0.00301	1.52E-06	5.81E-08	7.53E-06	7.37E-05	8.28E-05	8.8E-08	5.5E-08	3.1E-09	2.0E-08	2.3E-08
###	UCART1	570830.55	4178878.99	570830.55, 4178878.99	1.40E-04	2.5288	2.37646	5.926	0.00345	1.60E-06	6.14E-08	7.04E-06	8.44E-05	9.31E-05	9.3E-08	6.2E-08	3.3E-09	2.2E-08	2.5E-08
###	UCART1	570870.55	4178878.99	570870.55, 4178878.99	1.46E-04	2.68057	2.50656	5.50019	0.00388	1.70E-06	6.48E-08	6.53E-06	9.49E-05	1.03E-04	9.7E-08	6.8E-08	3.4E-09	2.4E-08	2.8E-08
###	UCART1	570910.55	4178878.99	570910.55, 4178878.99	1.50E-04	2.80752	2.60448	5.1068	0.00414	1.78E-06	6.73E-08	6.07E-06	1.01E-04	1.09E-04	9.9E-08	7.2E-08	3.5E-09	2.6E-08	2.9E-08
###	UCART1	570950.55	4178878.99	570950.55, 4178878.99	1.52E-04	2.88203	2.65295	4.73672	0.00426	1.83E-06	6.86E-08	5.63E-06	1.04E-04	1.12E-04	1.0E-07	7.4E-08	3.6E-09	2.6E-08	3.0E-08
###	UCART1	570990.55	4178878.99	570990.55, 4178878.99	1.52E-04	2.9122	2.66084	4.40421	0.00447	1.85E-06	6.88E-08	5.23E-06	1.09E-04	1.17E-04	1.0E-07	7.7E-08	3.5E-09	2.8E-08	3.1E-08
###	UCART1	571030.55	4178878.99	571030.55, 4178878.99	1.50E-04	2.90839	2.64109	4.10106	0.00485	1.84E-06	6.83E-08	4.87E-06	1.19E-04	1.25E-04	9.9E-08	8.3E-08	3.5E-09	3.0E-08	3.3E-08
###	UCART1	571070.55	4178878.99	571070.55, 4178878.99	1.47E-04	2.87486	2.60294	3.81736	0.00525	1.82E-06	6.73E-08	4.53E-06	1.28E-04	1.35E-04	9.7E-08	8.9E-08	3.4E-09	3.2E-08	3.5E-08
###	UCART1	571110.55	4178878.99	571110.55, 4178878.99	1.43E-04	2.82485	2.55833	3.57414	0.00559	1.79E-06	6.61E-08	4.25E-06	1.37E-04	1.43E-04	9.5E-08	9.5E-08	3.3E-09	3.4E-08	3.7E-08
###	UCART1	571150.55	4178878.99	571150.55, 4178878.99	1.39E-04	2.75897	2.50315	3.34866	0.00574	1.75E-06	6.47E-08	3.98E-06	1.40E-04	1.46E-04	9.2E-08	9.7E-08	3.2E-09	3.5E-08	3.8E-08
###	UCART1	571190.55	4178878.99	571190.55, 4178878.99	1.35E-04	2.68247	2.43828	3.13948	0.00577	1.70E-06	6.30E-08	3.73E-06	1.41E-04	1.47E-04	8.9E-08	9.7E-08	3.1E-09	3.5E-08	3.8E-08
###	UCART1	571230.55	4178878.99	571230.55, 4178878.99	1.30E-04	2.59828	2.36624	2.94849	0.00566	1.65E-06	6.12E-08	3.50E-06	1.38E-04	1.44E-04	8.6E-08	9.5E-08	3.0E-09	3.4E-08	3.7E-08
###	UCART1	571270.55	4178878.99	571270.55, 4178878.99	1.25E-04	2.50837	2.28876	2.77275	0.0056	1.59E-06	5.92E-08	3.29E-06	1.37E-04	1.42E-04	8.3E-08	9.4E-08	2.9E-09	3.4E-08	3.7E-08
###	UCART1	571310.55	4178878.99	571310.55, 4178878.99	1.20E-04	2.4148	2.20779	2.61111	0.00543	1.53E-06	5.71E-08	3.10E-06	1.33E-04	1.38E-04	7.9E-08	9.1E-08	2.8E-09	3.3E-08	3.5E-08
###	UCART1	571350.55	4178878.99	571350.55, 4178878.99	1.15E-04	2.31896	2.12481	2.46299	0.00525	1.47E-06	5.49E-08	2.93E-06	1.28E-04	1.33E-04	7.6E-08	8.8E-08	2.7E-09	3.1E-08	3.4E-08
###	UCART1	571390.55	4178878.99	571390.55, 4178878.99	1.09E-04	2.22232	2.04098	2.32635	0.00504	1.41E-06	5.28E-08	2.76E-06	1.23E-04	1.28E-04	7.2E-08	8.4E-08	2.6E-09	3.0E-08	3.3E-08
###	UCART1	571430.55	4178878.99	571430.55, 4178878.99	1.04E-04	2.12662	1.95751	2.20035	0.00484	1.35E-06	5.06E-08	2.61E-06	1.18E-04	1.22E-04	6.9E-08	8.1E-08	2.4E-09	2.9E-08	3.1E-08
###	UCART1	571470.55	4178878.99	571470.55, 4178878.99	9.94E-05	2.03332	1.87563	2.08417	0.00464	1.29E-06	4.85E-08	2.48E-06	1.14E-04	1.17E-04	6.6E-08	7.8E-08	2.3E-09	2.8E-08	3.0E-08
###	UCART1	571510.55	4178878.99	571510.55, 4178878.99	9.49E-05	1.94361	1.79641	1.97699	0.00444	1.23E-06	4.64E-08	2.35E-06	1.09E-04	1.12E-04	6.3E-08	7.4E-08	2.2E-09	2.7E-08	2.9E-08
###	UCART1	571550.55	4178878.99	571550.55, 4178878.99	9.08E-05	1.859	1.72095	1.8782	0.00429	1.18E-06	4.45E-08	2.23E-06	1.05E-04	1.08E-04	6.0E-08	7.2E-08	2.1E-09	2.6E-08	2.8E-08
###	UCART1	571590.55	4178878.99	571590.55, 4178878.99	8.65E-05	1.7759	1.64694	1.78536	0.00412	1.13E-06	4.26E-08	2.12E-06	1.01E-04	1.04E-04	5.7E-08	6.9E-08	2.0E-09	2.5E-08	2.7E-08
###	UCART1	571630.55	4178878.99	571630.55, 4178878.99	8.24E-05	1.69762	1.57657	1.69905	0.00395	1.08E-06	4.08E-08	2.02E-06	9.67E-05	9.98E-05	5.5E-08	6.6E-08	1.9E-09	2.4E-08	2.6E-08
###	UCART1	571670.55	4178878.99	571670.55, 4178878.99	7.87E-05	1.62452	1.51038	1.61911	0.00381	1.03E-06	3.90E-08	1.92E-06	9.32E-05	9.62E-05	5.2E-08	6.4E-08	1.8E-09	2.3E-08	2.5E-08
###	UCART1	571710.55	4178878.99	571710.55, 4178878.99	7.50E-05	1.55525	1.44747	1.54433	0.00366	9.86E-07	3.74E-08	1.83E-06	8.96E-05	9.24E-05	5.0E-08	6.1E-08	1.8E-09	2.2E-08	2.4E-08
###	UCART1	571750.55	4178878.99	571750.55, 4178878.99	7.15E-05	1.48975	1.38796	1.47434	0.00353	9.45E-07	3.59E-08	1.75E-06	8.64E-05	8.91E-05	4.7E-08	5.9E-08	1.7E-09	2.1E-08	2.3E-08
###	UCART1	571790.55	4178878.99	571790.55, 4178878.99	6.82E-05	1.42788	1.33182	1.40874	0.00338	9.05E-07	3.44E-08	1.67E-06	8.27E-05	8.53E-05	4.5E-08	5.6E-08	1.6E-09	2.0E-08	2.2E-08
###	UCART1	571830.55	4178878.99	571830.55, 4178878.99	6.50E-05	1.36959	1.27909	1.34725	0.00325	8.68E-07	3.31E-08	1.60E-06	7.95E-05	8.20E-05	4.3E-08	5.4E-08	1.5E-09	1.9E-08	2.1E-08
###	UCART1	571870.55	4178878.99	571870.55, 4178878.99	6.22E-05	1.3155	1.23029	1.29008	0.00311	8.34E-07	3.18E-08	1.53E-06	7.61E-05	7.85E-05	4.1E-08	5.2E-08	1.5E-09	1.9E-08	2.0E-08
###	UCART1	570230.55	4178918.99	570230.55, 4178918.99	3.83E-05	0.92653	0.94919	1.09436	0.00037	5.88E-07	2.45E-08	1.30E-06	9.05E-06	1.10E-05	2.5E-08	7.3E-09	9.0E-10	2.6E-09	3.5E-09
###	UCART1	570270.55	4178918.99	570270.55, 4178918.99	4.18E-05	0.99408	1.01532	1.18465	0.00041	6.30E-07	2.62E-08	1.41E-06	1.00E-05	1.21E-05	2.8E-08	8.0E-09	9.8E-10	2.9E-09	3.8E-09
###	UCART1	570310.55	4178918.99	570310.55, 4178918.99	4.58E-05	1.06783	1.08634	1.28876	0.00046	6.77E-07	2.81E-08	1.53E-06	1.13E-05	1.35E-05	3.0E-08	8.9E-09	1.1E-09	3.2E-09	4.3E-09

###	UCART1	570350.55	4178918.99	570350.55, 4178918.99	5.01E-05	1.14721	1.16128	1.40897	0.00053	7.27E-07	3.00E-08	1.67E-06	1.30E-05	1.54E-05	3.3E-08	1.0E-08	1.2E-09	3.6E-09	4.8E-09
###	UCART1	570390.55	4178918.99	570390.55, 4178918.99	5.50E-05	1.23365	1.24134	1.55386	0.00062	7.82E-07	3.21E-08	1.85E-06	1.52E-05	1.78E-05	3.6E-08	1.2E-08	1.3E-09	4.2E-09	5.5E-09
###	UCART1	570430.55	4178918.99	570430.55, 4178918.99	6.02E-05	1.32383	1.32274	1.72475	0.00074	8.39E-07	3.42E-08	2.05E-06	1.81E-05	2.10E-05	4.0E-08	1.4E-08	1.4E-09	5.0E-09	6.4E-09
###	UCART1	570470.55	4178918.99	570470.55, 4178918.99	6.57E-05	1.41614	1.40379	1.92904	0.00091	8.98E-07	3.63E-08	2.29E-06	2.23E-05	2.55E-05	4.3E-08	1.7E-08	1.5E-09	6.0E-09	7.6E-09
###	UCART1	570510.55	4178918.99	570510.55, 4178918.99	7.15E-05	1.50992	1.48367	2.18055	0.00114	9.57E-07	3.84E-08	2.59E-06	2.79E-05	3.15E-05	4.7E-08	2.1E-08	1.7E-09	7.4E-09	9.1E-09
###	UCART1	570550.55	4178918.99	570550.55, 4178918.99	7.74E-05	1.60321	1.5606	2.49572	0.00141	1.02E-06	4.03E-08	2.96E-06	3.45E-05	3.85E-05	5.1E-08	2.5E-08	1.8E-09	9.1E-09	1.1E-08
###	UCART1	570590.55	4178918.99	570590.55, 4178918.99	8.33E-05	1.69401	1.6333	2.89189	0.00169	1.07E-06	4.22E-08	3.43E-06	4.14E-05	4.59E-05	5.5E-08	3.0E-08	1.9E-09	1.1E-08	1.3E-08
###	UCART1	570630.55	4178918.99	570630.55, 4178918.99	8.89E-05	1.77954	1.69995	3.34563	0.00194	1.13E-06	4.39E-08	3.97E-06	4.75E-05	5.26E-05	5.9E-08	3.5E-08	2.1E-09	1.2E-08	1.5E-08
###	UCART1	570670.55	4178918.99	570670.55, 4178918.99	9.43E-05	1.85701	1.75996	3.77845	0.00211	1.18E-06	4.55E-08	4.49E-06	5.16E-05	5.73E-05	6.2E-08	3.8E-08	2.2E-09	1.4E-08	1.6E-08
###	UCART1	570710.55	4178918.99	570710.55, 4178918.99	9.97E-05	1.92677	1.81801	4.1474	0.00224	1.22E-06	4.70E-08	4.93E-06	5.48E-05	6.10E-05	6.6E-08	4.0E-08	2.3E-09	1.4E-08	1.7E-08
###	UCART1	570750.55	4178918.99	570750.55, 4178918.99	1.05E-04	2.00063	1.88857	4.34301	0.00242	1.27E-06	4.88E-08	5.16E-06	5.92E-05	6.57E-05	7.0E-08	4.3E-08	2.5E-09	1.6E-08	1.8E-08
###	UCART1	570790.55	4178918.99	570790.55, 4178918.99	1.11E-04	2.09031	1.97948	4.35415	0.00271	1.33E-06	5.12E-08	5.17E-06	6.63E-05	7.29E-05	7.4E-08	4.8E-08	2.6E-09	1.7E-08	2.0E-08
###	UCART1	570830.55	4178918.99	570830.55, 4178918.99	1.17E-04	2.20356	2.08762	4.2468	0.00309	1.40E-06	5.40E-08	5.04E-06	7.56E-05	8.21E-05	7.8E-08	5.4E-08	2.7E-09	1.9E-08	2.2E-08
###	UCART1	570870.55	4178918.99	570870.55, 4178918.99	1.22E-04	2.32623	2.19307	4.09396	0.00346	1.48E-06	5.67E-08	4.86E-06	8.47E-05	9.11E-05	8.1E-08	6.0E-08	2.9E-09	2.2E-08	2.4E-08
###	UCART1	570910.55	4178918.99	570910.55, 4178918.99	1.25E-04	2.42348	2.26764	3.9111	0.00367	1.54E-06	5.86E-08	4.65E-06	8.98E-05	9.60E-05	8.3E-08	6.4E-08	2.9E-09	2.3E-08	2.6E-08
###	UCART1	570950.55	4178918.99	570950.55, 4178918.99	1.26E-04	2.48042	2.30339	3.72159	0.00373	1.57E-06	5.95E-08	4.42E-06	9.13E-05	9.73E-05	8.3E-08	6.4E-08	2.9E-09	2.3E-08	2.6E-08
###	UCART1	570990.55	4178918.99	570990.55, 4178918.99	1.26E-04	2.50333	2.30773	3.53412	0.0038	1.59E-06	5.97E-08	4.20E-06	9.30E-05	9.88E-05	8.3E-08	6.5E-08	2.9E-09	2.3E-08	2.6E-08
###	UCART1	571030.55	4178918.99	571030.55, 4178918.99	1.25E-04	2.50134	2.29273	3.35432	0.00402	1.59E-06	5.93E-08	3.98E-06	9.84E-05	1.04E-04	8.2E-08	6.9E-08	2.9E-09	2.5E-08	2.8E-08
###	UCART1	571070.55	4178918.99	571070.55, 4178918.99	1.22E-04	2.47849	2.26572	3.17945	0.00432	1.57E-06	5.86E-08	3.78E-06	1.06E-04	1.11E-04	8.1E-08	7.4E-08	2.9E-09	2.6E-08	2.9E-08
###	UCART1	571110.55	4178918.99	571110.55, 4178918.99	1.20E-04	2.4398	2.23026	3.0101	0.0046	1.55E-06	5.77E-08	3.58E-06	1.13E-04	1.18E-04	7.9E-08	7.8E-08	2.8E-09	2.8E-08	3.1E-08
###	UCART1	571150.55	4178918.99	571150.55, 4178918.99	1.17E-04	2.39291	2.19006	2.8563	0.0048	1.52E-06	5.66E-08	3.39E-06	1.17E-04	1.22E-04	7.7E-08	8.1E-08	2.7E-09	2.9E-08	3.2E-08
###	UCART1	571190.55	4178918.99	571190.55, 4178918.99	1.13E-04	2.33672	2.14152	2.70628	0.00486	1.48E-06	5.54E-08	3.21E-06	1.19E-04	1.24E-04	7.5E-08	8.2E-08	2.7E-09	2.9E-08	3.2E-08
###	UCART1	571230.55	4178918.99	571230.55, 4178918.99	1.10E-04	2.27377	2.08661	2.56406	0.00485	1.44E-06	5.39E-08	3.05E-06	1.19E-04	1.23E-04	7.3E-08	8.2E-08	2.6E-09	2.9E-08	3.2E-08
###	UCART1	571270.55	4178918.99	571270.55, 4178918.99	1.06E-04	2.20514	2.02676	2.43071	0.00474	1.40E-06	5.24E-08	2.89E-06	1.16E-04	1.20E-04	7.0E-08	8.0E-08	2.5E-09	2.8E-08	3.1E-08
###	UCART1	571310.55	4178918.99	571310.55, 4178918.99	1.03E-04	2.13316	1.96351	2.3049	0.00467	1.35E-06	5.08E-08	2.74E-06	1.14E-04	1.18E-04	6.8E-08	7.8E-08	2.4E-09	2.8E-08	3.0E-08
###	UCART1	571350.55	4178918.99	571350.55, 4178918.99	9.90E-05	2.05862	1.89803	2.18764	0.00452	1.31E-06	4.91E-08	2.60E-06	1.11E-04	1.15E-04	6.5E-08	7.6E-08	2.3E-09	2.7E-08	2.9E-08
###	UCART1	571390.55	4178918.99	571390.55, 4178918.99	9.49E-05	1.9824	1.83106	2.07808	0.00437	1.26E-06	4.73E-08	2.47E-06	1.07E-04	1.11E-04	6.3E-08	7.3E-08	2.2E-09	2.6E-08	2.8E-08
###	UCART1	571430.55	4178918.99	571430.55, 4178918.99	9.10E-05	1.90615	1.76379	1.97585	0.00419	1.21E-06	4.56E-08	2.35E-06	1.03E-04	1.06E-04	6.0E-08	7.0E-08	2.1E-09	2.5E-08	2.7E-08
###	UCART1	571470.55	4178918.99	571470.55, 4178918.99	8.71E-05	1.8306	1.69697	1.88048	0.00401	1.16E-06	4.39E-08	2.23E-06	9.81E-05	1.02E-04	5.8E-08	6.7E-08	2.0E-09	2.4E-08	2.6E-08
###	UCART1	571510.55	4178918.99	571510.55, 4178918.99	8.31E-05	1.75494	1.62997	1.79036	0.00385	1.11E-06	4.21E-08	2.13E-06	9.42E-05	9.75E-05	5.5E-08	6.5E-08	1.9E-09	2.3E-08	2.5E-08
###	UCART1	571550.55	4178918.99	571550.55, 4178918.99	7.99E-05	1.68486	1.56754	1.70833	0.00369	1.07E-06	4.05E-08	2.03E-06	9.03E-05	9.34E-05	5.3E-08	6.2E-08	1.9E-09	2.2E-08	2.4E-08
###	UCART1	571590.55	4178918.99	571590.55, 4178918.99	7.67E-05	1.61625	1.50618	1.63086	0.00353	1.02E-06	3.89E-08	1.94E-06	8.64E-05	8.94E-05	5.1E-08	5.9E-08	1.8E-09	2.1E-08	2.3E-08
###	UCART1	571630.55	4178918.99	571630.55, 4178918.99	7.35E-05	1.55036	1.44688	1.55812	0.00341	9.83E-07	3.74E-08	1.85E-06	8.34E-05	8.63E-05	4.9E-08	5.7E-08	1.7E-09	2.0E-08	2.2E-08
###	UCART1	571670.55	4178918.99	571670.55, 4178918.99	7.05E-05	1.48756	1.38997	1.48989	0.00328	9.43E-07	3.59E-08	1.77E-06	8.03E-05	8.30E-05	4.7E-08	5.5E-08	1.6E-09	2.0E-08	2.1E-08
###	UCART1	571710.55	4178918.99	571710.55, 4178918.99	6.75E-05	1.4273	1.33504	1.42544	0.00315	9.05E-07	3.45E-08	1.69E-06	7.71E-05	7.97E-05	4.5E-08	5.3E-08	1.6E-09	1.9E-08	2.0E-08
###	UCART1	571750.55	4178918.99	571750.55, 4178918.99	6.46E-05	1.37049	1.28301	1.36506	0.00303	8.69E-07	3.32E-08	1.62E-06	7.41E-05	7.67E-05	4.3E-08	5.1E-08	1.5E-09	1.8E-08	2.0E-08
###	UCART1	571790.55	4178918.99	571790.55, 4178918.99	6.19E-05	1.31697	1.23389	1.30844	0.00292	8.35E-07	3.19E-08	1.55E-06	7.15E-05	7.39E-05	4.1E-08	4.9E-08	1.4E-09	1.7E-08	1.9E-08
###	UCART1	571830.55	4178918.99	571830.55, 4178918.99	5.93E-05	1.26622	1.18732	1.25506	0.00281	8.03E-07	3.07E-08	1.49E-06	6.88E-05	7.11E-05	3.9E-08	4.7E-08	1.4E-09	1.7E-08	1.8E-08
###	UCART1	571870.55	4178918.99	571870.55, 4178918.99	5.68E-05	1.21812	1.14327	1.20467	0.00271	7.72E-07	2.96E-08	1.43E-06	6.63E-05	6.85E-05	3.8E-08	4.5E-08	1.3E-09	1.6E-08	1.8E-08
###	FENCEPRI	570808.82	4178464.81	570808.82, 4178464.81	1.45E-03	14.70783	17.30046	36.97914	0.00518	9.33E-06	4.47E-07	4.39E-05	1.27E-04	1.80E-04	9.6E-07	1.2E-07	3.4E-08	4.3E-08	7.7E-08
###	FENCEPRI	570823.91	4178529.88	570823.91, 4178529.88	1.69E-03	14.56638	15.15975	39.08299	0.00701	9.24E-06	3.92E-07	4.64E-05	1.72E-04	2.28E-04	1.1E-06	1.5E-07	4.0E-08	5.4E-08	9.3E-08
###	FENCEPRI	570883.31	4178602.01	570883.31, 4178602.01	2.15E-03	15.74982	11.59398	42.77326	0.01132	9.99E-06	3.00E-07	5.08E-05	2.77E-04	3.38E-04	1.4E-06	2.2E-07	5.0E-08	8.0E-08	1.3E-07
###	FENCEPRI	571181.45	4178310.17	571181.45, 4178310.17	5.08E-03	58.02065	36.91834	31.31624	0.05005	3.68E-05	9.54E-07	3.72E-05	1.22E-03	1.30E-03	3.4E-06	8.6E-07	1.2E-07	3.1E-07	4.3E-07
###	FENCEPRI	571067.83	4178206.53	571067.83, 4178206.53	1.97E-03	16.38098	19.51177	9.98035	0.00604	1.04E-05	5.04E-07	1.19E-05	1.48E-04	1.71E-04	1.3E-06	1.1E-07	4.6E-08	4.0E-08	8.6E-08
###	FENCEPRI	570799.89	4178446.83	570799.89, 4178446.83	1.25E-03	13.45568	16.08975	40.20979	0.00627	8.53E-06	4.16E-07	4.78E-05	1.53E-04	2.10E-04	8.2E-07	1.4E-07	2.9E-08	5.0E-08	7.9E-08

Operational Emissions

Equipment	Fuel	Quantity	HP	LF	Total Hrs/Year	Emissions Factor (lbs/hp/hr) PM$_{2.5}$	Emissions Factor (lbs/hp/hr) PM$_{10}$	Emissions Factor (lbs/hp/hr) NO$_X$	Emissions Factor (lbs/hp/hr) CO	Emissions Factor (lbs/hp/hr) SO$_X$	Emissions Factor (lbs/hp/hr) CO2	Emissions Factor (lbs/hp/hr) TOC
Fire Pump	Diesel	1	364	0.74	50	7.21E-04	7.21E-04	1.10E-02	6.96E-03	5.91E-04	1.08E+00	1.50E-02
					Annual Emissions (lbs/yr)	9.71E+00	9.71E+00	1.48E+02	9.37E+01	7.96E+00	1.45E+04	2.02E+02
			FOR AQ		**Daily Emissions (lbs/day)**	0.10	0.10	1.48	0.94	0.08	145.45	2.02
										Annual MT	**0.12**	
					Emissions Rate (lbs/s)	5.39E-05						
					Emissions Rate (g/s)	2.45E-02						

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: Sub-Area
Region: Los Angeles (SC)
Calendar Year: 2025
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK and RUNLOSS, g/vehicle/day for IDLEX and DIURN. PHEV calculated based on total VMT.

	Project Mix	Idle (g/trip)	15 mph (g/mi)	35 mph (g/mi)	40 mph (g/mi)	45 mph (g/mi)	50 mph (g/mi)	55 mph (g/mi)
HHDT (4+)	1.00	4.80305E-05	0.000271285	0.000365038	0.000533035	0.000759815	0.000644252	0.001259742
LHDT2 (2-axle)	0.00	5.77083E-06	0.000581084	0.000170257	8.77582E-05	7.53331E-05	0.000319938	0.00021058
MHDT (3-axle)	0.00	1.3331E-05	0.000262041	0.000330005	0.000273561	0.000162233	0.000112975	0.00014693
Weighted Rates		**4.80305E-05**	**0.000271285**	**0.000365038**	**0.000533035**	**0.000759815**	**0.000644252**	**0.001259742**

Region	Calend	Vehicle	Model Year	Speed	Fuel	Population	Total VMT	Trips	PM2.5_IDLEX	
Alameda (SF)	2029	HHDT	Aggregate	Aggregate	Gasoline	5.825826658	639.9429049	36.67676781	0	0
Alameda (SF)	2029	HHDT	Aggregate	Aggregate	Diesel	15318.71791	1864663.186	132754.8218	0.000444868	6.814800114
Alameda (SF)	2029	HHDT	Aggregate	Aggregate	Electricity	552.9053907	62889.93794	2312.242257	0	0
Alameda (SF)	2029	HHDT	Aggregate	Aggregate	Natural Gas	1188.687603	75091.36427	7941.659305	4.68878E-05	0.055734943
Alameda (SF)	2029	LHDT2	Aggregate	Aggregate	Gasoline	2504.679469	90762.45627	37388.49394	0	0
Alameda (SF)	2029	LHDT2	Aggregate	Aggregate	Diesel	4511.383307	178138.3206	64601.06884	0.000133261	0.601190522
Alameda (SF)	2029	LHDT2	Aggregate	Aggregate	Electricity	321.5930885	18831.75817	2187.867909	0	0
Alameda (SF)	2029	MHDT	Aggregate	Aggregate	Gasoline	1471.788386	77243.14547	28172.2118	0	0
Alameda (SF)	2029	MHDT	Aggregate	Aggregate	Diesel	14874.48294	592757.8817	128657.1776	0.000144752	2.153117352
Alameda (SF)	2029	MHDT	Aggregate	Aggregate	Electricity	880.2091391	44903.69642	3656.160606	0	0
Alameda (SF)	2029	MHDT	Aggregate	Aggregate	Natural Gas	200.6532485	8802.162101	1091.190944	4.27961E-06	0.000858718

Region	Calend	Vehicle	Model Year	Speed	Fuel	Total VMT	PM2.5_RUNEX	
Alameda (SF)	2029	HHDT	Aggregate	15	Gasoline	17.00787487	4.67811E-08	7.95647E-07
Alameda (SF)	2029	HHDT	Aggregate	15	Diesel	32001.73616	0.000308635	9.876844921
Alameda (SF)	2029	HHDT	Aggregate	15	Electricity	1295.011487	0	0
Alameda (SF)	2029	HHDT	Aggregate	15	Natural Gas	3238.932659	1.21512E-05	0.03935708
Alameda (SF)	2029	LHDT2	Aggregate	15	Gasoline	15745.56008	2.69543E-05	0.424410397
Alameda (SF)	2029	LHDT2	Aggregate	15	Diesel	24031.83829	0.001010753	24.29025286
Alameda (SF)	2029	LHDT2	Aggregate	15	Electricity	2754.577229	0	0
Alameda (SF)	2029	MHDT	Aggregate	15	Gasoline	2717.038548	8.31215E-06	0.022584437
Alameda (SF)	2029	MHDT	Aggregate	15	Diesel	31087.10897	0.000306826	9.538325212
Alameda (SF)	2029	MHDT	Aggregate	15	Electricity	2220.460865	0	0
Alameda (SF)	2029	MHDT	Aggregate	15	Natural Gas	464.3858671	1.49539E-06	0.000694439

Region	Calend	Vehicle	Model Year	Speed	Fuel	Total VMT	PM2.5_RUNEX	
Alameda (SF)	2029	HHDT	Aggregate	35	Gasoline	35.4070116	3.22808E-08	1.14297E-06
Alameda (SF)	2029	HHDT	Aggregate	35	Diesel	49295.67879	0.000409544	20.18875307
Alameda (SF)	2029	HHDT	Aggregate	35	Electricity	2053.909377	0	0
Alameda (SF)	2029	HHDT	Aggregate	35	Natural Gas	3995.255428	6.78985E-06	0.027127172
Alameda (SF)	2029	LHDT2	Aggregate	35	Gasoline	4598.49499	3.98535E-06	0.018326592
Alameda (SF)	2029	LHDT2	Aggregate	35	Diesel	11836.46448	0.000251593	2.977969514
Alameda (SF)	2029	LHDT2	Aggregate	35	Electricity	1163.712825	0	0
Alameda (SF)	2029	MHDT	Aggregate	35	Gasoline	4689.582272	4.76012E-06	0.022322964
Alameda (SF)	2029	MHDT	Aggregate	35	Diesel	91700.40915	0.000373646	34.26346742
Alameda (SF)	2029	MHDT	Aggregate	35	Electricity	6272.84742	0	0
Alameda (SF)	2029	MHDT	Aggregate	35	Natural Gas	1237.605492	1.47828E-06	0.001829527

Region	Calend	Vehicle	Model Year	Speed	Fuel	Total VMT	PM2.5_RUNEX	
Alameda (SF)	2029	HHDT	Aggregate	40	Gasoline	35.26899238	2.78897E-08	9.83642E-07
Alameda (SF)	2029	HHDT	Aggregate	40	Diesel	58961.61468	0.000592703	34.94671184
Alameda (SF)	2029	HHDT	Aggregate	40	Electricity	2390.552497	0	0
Alameda (SF)	2029	HHDT	Aggregate	40	Natural Gas	4221.731801	5.98583E-06	0.025270565
Alameda (SF)	2029	LHDT2	Aggregate	40	Gasoline	1233.851317	9.8399E-07	0.001214097
Alameda (SF)	2029	LHDT2	Aggregate	40	Diesel	6171.775319	0.000112722	0.695695413
Alameda (SF)	2029	LHDT2	Aggregate	40	Electricity	535.6210497	0	0
Alameda (SF)	2029	MHDT	Aggregate	40	Gasoline	5097.718413	4.48897E-06	0.02288352
Alameda (SF)	2029	MHDT	Aggregate	40	Diesel	72634.0428	0.000315801	22.93791535
Alameda (SF)	2029	MHDT	Aggregate	40	Electricity	5132.325082	0	0
Alameda (SF)	2029	MHDT	Aggregate	40	Natural Gas	1072.898418	1.02394E-06	0.001098584

Region	Calend	Vehicle	Model Year	Speed	Fuel	Total VMT	PM2.5_RUNEX	
Alameda (SF)	2029	HHDT	Aggregate	45	Gasoline	36.57606634	2.64654E-08	9.67999E-07
Alameda (SF)	2029	HHDT	Aggregate	45	Diesel	65087.86901	0.000841413	54.76575293
Alameda (SF)	2029	HHDT	Aggregate	45	Electricity	2608.76208	0	0
Alameda (SF)	2029	HHDT	Aggregate	45	Natural Gas	4376.392095	5.52823E-06	0.024193695
Alameda (SF)	2029	LHDT2	Aggregate	45	Gasoline	1369.172231	1.05635E-06	0.001446327
Alameda (SF)	2029	LHDT2	Aggregate	45	Diesel	6134.488841	9.85562E-05	0.604591923
Alameda (SF)	2029	LHDT2	Aggregate	45	Electricity	541.1146332	0	0
Alameda (SF)	2029	MHDT	Aggregate	45	Gasoline	4695.734977	3.78431E-06	0.017770105
Alameda (SF)	2029	MHDT	Aggregate	45	Diesel	38046.36044	0.000197229	7.50384296
Alameda (SF)	2029	MHDT	Aggregate	45	Electricity	2937.748207	0	0
Alameda (SF)	2029	MHDT	Aggregate	45	Natural Gas	685.5334885	5.56611E-07	0.000381576

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Sub-Area
Region: Santa Clara (SF)
Calendar Year: 2027
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, tons/day for Emissions, 1000 gallons/day for Fuel Consumption, mph for Speed, kWh/day for Energy Consumption

Region	Calendar Y	Vehicle Cat	Model Yea	Speed	Fuel	Total VMT	CVMT	EVMT	NOx_RUNE	PM2.5_RU	PM10_RUN	CO2_RUNE	CH4_RUNE	N2O_RUNE	ROG_RUNE	TOG_RUNE	CO_RUNEX	SOx_RUNE	NH3_RUNE	PM10_PM	PM2.5_PM	Fuel Consu	Energy Consumption
Santa Clara	2027	HHDT	Aggregate	55	Gasoline	14.83723	14.83723	0	5.34E-05	2E-08	2.18E-08	0.028187	1.24E-06	1.95E-06	6.77E-06	9.87E-06	0.000416	2.79E-07	7.28E-07	1.21E-06	4.22E-07	0.002972	0
Santa Clara	2027	HHDT	Aggregate	55	Diesel	64144.83	64144.83	0	0.076803	0.001381	0.001443	102.0446	3.27E-05	0.016077	0.000703	0.0008	0.002903	0.000966	0.015221	0.005182	0.001814	9.1156	0
Santa Clara	2027	HHDT	Aggregate	55	Electricity	1244.902	0	1244.902	0	0	0	0	0	0	0	0	0	0	0	5.6E-05	1.96E-05	0	2233.057
Santa Clara	2027	HHDT	Aggregate	55	Natural Ga	4930.559	4930.559	0	0.002982	6.79E-06	7.39E-06	5.54826	0.006256	0.001131	0.000116	0.006415	0.037154	0	0.004578	0.000725	0.000254	0.641294	0
Santa Clara	2027	LHDT2	Aggregate	55	Gasoline	3090.449	3090.449	0	0.00034	2.69E-06	2.92E-06	1.872613	4.35E-06	2.2E-05	2.06E-05	3.01E-05	0.001641	1.85E-05	0.000153	0.00031	0.000109	0.197465	0
Santa Clara	2027	LHDT2	Aggregate	55	Diesel	17114	17114	0	0.015139	0.000257	0.000268	9.039172	5.55E-05	0.001424	0.001196	0.001361	0.00225	8.57E-05	0.003689	0.001717	0.000601	0.807466	0
Santa Clara	2027	LHDT2	Aggregate	55	Electricity	691.0625	0	691.0625	0	0	0	0	0	0	0	0	0	0	0	3.47E-05	1.21E-05	0	394.2412
Santa Clara	2027	MHDT	Aggregate	55	Gasoline	7407.335	7407.335	0	0.002057	6.14E-06	6.68E-06	12.19849	4.21E-05	0.000114	0.000202	0.000295	0.005899	0.000121	0.000367	0.00034	0.000119	1.286316	0
Santa Clara	2027	MHDT	Aggregate	55	Diesel	20200.67	20200.67	0	0.016517	0.000207	0.000217	22.2146	1.21E-05	0.0035	0.000261	0.000297	0.001024	0.00021	0.004702	0.000926	0.000324	1.984421	0
Santa Clara	2027	MHDT	Aggregate	55	Electricity	881.964	0	881.964	0	0	0	0	0	0	0	0	0	0	0	2.02E-05	7.08E-06	0	941.1859
Santa Clara	2027	MHDT	Aggregate	55	Natural Ga	327.1415	327.1415	0	2.25E-05	2.49E-07	2.71E-07	0.25157	0.000142	5.13E-05	2.02E-06	0.000145	0.000408	0	0.000382	1.5E-05	5.25E-06	0.029078	0

Risk Summary - Unmitigated

$PM_{2.5}$ Concentrations Summary - Unmitigated

						Construction		Operations		Combined
Description		**Location**	**X**	**Y**	**X, Y**	**#**	**Concentration (µg/m3)**	**#**	**Concentration (µg/m3)**	**Concentration (µg/m3)**
Residential	1	Residences West	570990.55	4178758.99	570990.55, 4178758.99	946	0.023	946	0.004	0.026
Worker Receptors	1	West	571150.55	4178238.99	571150.55, 4178238.99	443	0.208	443	0.010	0.218

Construction $PM_{2.5}$ Dust Rates (Unmitigated)

Road Dust Calculations

E = [k(sL)^0.91 x (W)^1.02]*(1-P/4N)

	PM_{10}	$PM_{2.5}$	
E =			emission factor
k =	0.0022	0.00054	particle size multiplier (lb/VMT)
sL =	0.032	0.032	surface silt loading
W =	26	26	average vehicle weight (tons)
P =	62	62	Number of days per year with >0.01 inches of rain
N =	365	365	Days per period
	0.91	0.91	
	1.02	1.02	

Source	Daily Trips	PM_{10} Emission Factor	$PM_{2.5}$ Emissions Factor	Road Dust Emissions (lbs/day) PM_{10}	Road Dust Emissions (lbs/day) $PM_{2.5}$
Truck Road Dust	285	0.002549977	0.000625903	0.725723502	0.1781321
Truck Tire Wear	285	8.13773E-05	2.03443E-05	0.023159981	0.00579
Truck Break Wear	285	0.000183697	6.4294E-05	0.052280175	0.0182981
			Total lbs/day	0.80	0.20
			Total g/s/mile	4.21E-03	1.06E-03

Vendor Round Trips (daily)	51
Hauling Round Trips (daily)	234
Total Trips	**285**

	Length (M)	Length (mi)	Scaled Emissions Rate	AERMOD Rate
Heg	694.4	0.43	**4.58E-04**	0.42
San Leandro	963.2	0.60	**6.35E-04**	0.58
		1.03	**1.09E-03**	**Total**

Fugitive Dust Calculation

On-Site Construction $PM_{2.5}$ Dust (tons/yr)

Year	Phase	Unmitigated
2027	Demo	0.0326
2027	Site Prep	0.0433
2027	Grading	0.0300
2027	Infra Imporvemen	0.0634
	Total 2027	**0.1693**
2028	Building	0.0000
2028	Paving	0.0000
2028	Arch Coating	0.0000
	Total 2028	**0.0000**
2029	Arch Coating	0.0000
	Total 2029	**0.0000**

	2027	**2028**	**2029**	**Total**
Const Duration (Days):	197	282	23	502

Year	**Tons/Year**	**g/s**	**Weighted Average On-Site Rate (g/s)**
2027	1.69E-01	2.71E-02	**2.71E-02**
2028	0.00E+00	0.000000	
2029	0.0000	0.000000	

1 pound =	453.5924	grams
1 day =	86400	seconds
1 meter =	0.000621371	miles
Const. Hrs.=	8	per day
1 ton=	907184.7	grams
1 hour =	3600	seconds

2027

Phase	Days	Vendor	Hauling
Demo	44	0	168.9
Site Prep	22	0	8.5
Grading	42	0	56.3
Infra Imporvements	89	0	0
Total	197	0	233.7

2028

Phase	Days	Vendor	Hauling
Building	195	50.9	0
Paving	44	0	0
Arch Coating	43	0	0
2029			
Total	282	51	0
Arch Coating	23	0	0
Total	23	0	0

Construction $PM_{2.5}$ Concentrations (Unmitigated)

	Offsite	Onsite
$PM_{2.5}$ Dust	1.09E-03	2.71E-02
$PM_{2.5}$ Exhaust	2.96E-05	1.11E-02
Total Emissions Rate (g/s):	1.12E-03	3.82E-02

Discrete Receptor ID				Concentration [µg/m^3] at 1 g/s		Unmitigated		
	X	Y	X, Y	Offsite	Onsite	Offsite	Onsite	Total
1 UCAR	570230.55	4177838.99	570230.55, 4177838.99	0.05555	0.05084	6.24E-05	1.94E-03	2.00E-03
2 UCAR	570270.55	4177838.99	570270.55, 4177838.99	0.05981	0.05423	6.72E-05	2.07E-03	2.14E-03
3 UCAR	570310.55	4177838.99	570310.55, 4177838.99	0.06452	0.05784	7.25E-05	2.21E-03	2.28E-03
4 UCAR	570350.55	4177838.99	570350.55, 4177838.99	0.0697	0.06164	7.83E-05	2.35E-03	2.43E-03
5 UCAR	570390.55	4177838.99	570390.55, 4177838.99	0.07542	0.06565	8.47E-05	2.51E-03	2.59E-03
6 UCAR	570430.55	4177838.99	570430.55, 4177838.99	0.08179	0.06974	9.19E-05	2.66E-03	2.75E-03
7 UCAR	570470.55	4177838.99	570470.55, 4177838.99	0.08905	0.07391	1.00E-04	2.82E-03	2.92E-03
8 UCAR	570510.55	4177838.99	570510.55, 4177838.99	0.09741	0.07801	1.09E-04	2.98E-03	3.09E-03
9 UCAR	570550.55	4177838.99	570550.55, 4177838.99	0.10705	0.08211	1.20E-04	3.13E-03	3.25E-03
10 UCAR	570590.55	4177838.99	570590.55, 4177838.99	0.11779	0.08599	1.32E-04	3.28E-03	3.41E-03
11 UCAR	570630.55	4177838.99	570630.55, 4177838.99	0.12946	0.08954	1.45E-04	3.42E-03	3.56E-03
12 UCAR	570670.55	4177838.99	570670.55, 4177838.99	0.14171	0.09267	1.59E-04	3.54E-03	3.70E-03
13 UCAR	570710.55	4177838.99	570710.55, 4177838.99	0.15312	0.09529	1.72E-04	3.64E-03	3.81E-03
14 UCAR	570750.55	4177838.99	570750.55, 4177838.99	0.16067	0.09737	1.80E-04	3.72E-03	3.90E-03
15 UCAR	570790.55	4177838.99	570790.55, 4177838.99	0.16546	0.09893	1.86E-04	3.78E-03	3.96E-03
16 UCAR	570830.55	4177838.99	570830.55, 4177838.99	0.17681	0.10007	1.99E-04	3.82E-03	4.02E-03
17 UCAR	570870.55	4177838.99	570870.55, 4177838.99	0.18199	0.10093	2.04E-04	3.85E-03	4.06E-03
18 UCAR	570910.55	4177838.99	570910.55, 4177838.99	0.18381	0.1017	2.06E-04	3.88E-03	4.09E-03
19 UCAR	570950.55	4177838.99	570950.55, 4177838.99	0.19028	0.10255	2.14E-04	3.91E-03	4.13E-03
20 UCAR	570990.55	4177838.99	570990.55, 4177838.99	0.20124	0.10361	2.26E-04	3.96E-03	4.18E-03
21 UCAR	571030.55	4177838.99	571030.55, 4177838.99	0.21051	0.10488	2.36E-04	4.00E-03	4.24E-03
22 UCAR	571070.55	4177838.99	571070.55, 4177838.99	0.2133	0.1062	2.40E-04	4.05E-03	4.29E-03
23 UCAR	571110.55	4177838.99	571110.55, 4177838.99	0.20992	0.10732	2.36E-04	4.10E-03	4.33E-03
24 UCAR	571150.55	4177838.99	571150.55, 4177838.99	0.20274	0.10806	2.28E-04	4.13E-03	4.35E-03
25 UCAR	571190.55	4177838.99	571190.55, 4177838.99	0.19384	0.10845	2.18E-04	4.14E-03	4.36E-03
26 UCAR	571230.55	4177838.99	571230.55, 4177838.99	0.18472	0.10859	2.07E-04	4.15E-03	4.35E-03
27 UCAR	571270.55	4177838.99	571270.55, 4177838.99	0.17592	0.10875	1.98E-04	4.15E-03	4.35E-03
28 UCAR	571310.55	4177838.99	571310.55, 4177838.99	0.16804	0.10896	1.89E-04	4.16E-03	4.35E-03
29 UCAR	571350.55	4177838.99	571350.55, 4177838.99	0.16112	0.10968	1.81E-04	4.19E-03	4.37E-03
30 UCAR	571390.55	4177838.99	571390.55, 4177838.99	0.15446	0.11114	1.73E-04	4.24E-03	4.42E-03
31 UCAR	571430.55	4177838.99	571430.55, 4177838.99	0.1477	0.11364	1.66E-04	4.34E-03	4.50E-03
32 UCAR	571470.55	4177838.99	571470.55, 4177838.99	0.14158	0.11712	1.59E-04	4.47E-03	4.63E-03
33 UCAR	571510.55	4177838.99	571510.55, 4177838.99	0.13587	0.12076	1.53E-04	4.61E-03	4.76E-03
34 UCAR	571550.55	4177838.99	571550.55, 4177838.99	0.12996	0.12428	1.46E-04	4.74E-03	4.89E-03
35 UCAR	571590.55	4177838.99	571590.55, 4177838.99	0.12422	0.12758	1.40E-04	4.87E-03	5.01E-03
36 UCAR	571630.55	4177838.99	571630.55, 4177838.99	0.11985	0.13055	1.35E-04	4.98E-03	5.12E-03
37 UCAR	571670.55	4177838.99	571670.55, 4177838.99	0.11702	0.13237	1.31E-04	5.05E-03	5.18E-03
38 UCAR	571710.55	4177838.99	571710.55, 4177838.99	0.11587	0.133	1.30E-04	5.08E-03	5.21E-03
39 UCAR	571750.55	4177838.99	571750.55, 4177838.99	0.11644	0.13252	1.31E-04	5.06E-03	5.19E-03
40 UCAR	571790.55	4177838.99	571790.55, 4177838.99	0.11822	0.13104	1.33E-04	5.00E-03	5.14E-03
41 UCAR	571830.55	4177838.99	571830.55, 4177838.99	0.12009	0.12863	1.35E-04	4.91E-03	5.05E-03
42 UCAR	571870.55	4177838.99	571870.55, 4177838.99	0.12091	0.12532	1.36E-04	4.78E-03	4.92E-03
43 UCAR	570230.55	4177878.99	570230.55, 4177878.99	0.05776	0.05271	6.49E-05	2.01E-03	2.08E-03
44 UCAR	570270.55	4177878.99	570270.55, 4177878.99	0.06248	0.05654	7.02E-05	2.16E-03	2.23E-03
45 UCAR	570310.55	4177878.99	570310.55, 4177878.99	0.06777	0.06065	7.61E-05	2.32E-03	2.39E-03
46 UCAR	570350.55	4177878.99	570350.55, 4177878.99	0.0737	0.06505	8.28E-05	2.48E-03	2.57E-03
47 UCAR	570390.55	4177878.99	570390.55, 4177878.99	0.08034	0.06972	9.02E-05	2.66E-03	2.75E-03
48 UCAR	570430.55	4177878.99	570430.55, 4177878.99	0.08784	0.07463	9.87E-05	2.85E-03	2.95E-03
49 UCAR	570470.55	4177878.99	570470.55, 4177878.99	0.09648	0.07967	1.08E-04	3.04E-03	3.15E-03
50 UCAR	570510.55	4177878.99	570510.55, 4177878.99	0.10675	0.08485	1.20E-04	3.24E-03	3.36E-03

51	UCAR	570550.55	4177878.99	570550.55, 4177878.99	0.11913	0.09004	1.34E-04	3.44E-03	3.57E-03
52	UCAR	570590.55	4177878.99	570590.55, 4177878.99	0.13405	0.09517	1.51E-04	3.63E-03	3.78E-03
53	UCAR	570630.55	4177878.99	570630.55, 4177878.99	0.15208	0.10002	1.71E-04	3.82E-03	3.99E-03
54	UCAR	570670.55	4177878.99	570670.55, 4177878.99	0.17411	0.10448	1.96E-04	3.99E-03	4.18E-03
55	UCAR	570710.55	4177878.99	570710.55, 4177878.99	0.20042	0.10847	2.25E-04	4.14E-03	4.37E-03
56	UCAR	570750.55	4177878.99	570750.55, 4177878.99	0.22676	0.11183	2.55E-04	4.27E-03	4.52E-03
57	UCAR	570790.55	4177878.99	570790.55, 4177878.99	0.24313	0.11452	2.73E-04	4.37E-03	4.64E-03
58	UCAR	570830.55	4177878.99	570830.55, 4177878.99	0.26201	0.11658	2.94E-04	4.45E-03	4.74E-03
59	UCAR	570870.55	4177878.99	570870.55, 4177878.99	0.26991	0.11813	3.03E-04	4.51E-03	4.81E-03
60	UCAR	570910.55	4177878.99	570910.55, 4177878.99	0.28425	0.11937	3.19E-04	4.56E-03	4.88E-03
61	UCAR	570950.55	4177878.99	570950.55, 4177878.99	0.30525	0.12051	3.43E-04	4.60E-03	4.94E-03
62	UCAR	570990.55	4177878.99	570990.55, 4177878.99	0.31136	0.1218	3.50E-04	4.65E-03	5.00E-03
63	UCAR	571030.55	4177878.99	571030.55, 4177878.99	0.30178	0.1233	3.39E-04	4.71E-03	5.05E-03
64	UCAR	571070.55	4177878.99	571070.55, 4177878.99	0.28477	0.1249	3.20E-04	4.77E-03	5.09E-03
65	UCAR	571110.55	4177878.99	571110.55, 4177878.99	0.26623	0.12629	2.99E-04	4.82E-03	5.12E-03
66	UCAR	571150.55	4177878.99	571150.55, 4177878.99	0.24854	0.12725	2.79E-04	4.86E-03	5.14E-03
67	UCAR	571190.55	4177878.99	571190.55, 4177878.99	0.23235	0.12782	2.61E-04	4.88E-03	5.14E-03
68	UCAR	571230.55	4177878.99	571230.55, 4177878.99	0.218	0.12818	2.45E-04	4.89E-03	5.14E-03
69	UCAR	571270.55	4177878.99	571270.55, 4177878.99	0.20534	0.12878	2.31E-04	4.92E-03	5.15E-03
70	UCAR	571310.55	4177878.99	571310.55, 4177878.99	0.19453	0.12983	2.18E-04	4.96E-03	5.17E-03
71	UCAR	571350.55	4177878.99	571350.55, 4177878.99	0.18541	0.13183	2.08E-04	5.03E-03	5.24E-03
72	UCAR	571390.55	4177878.99	571390.55, 4177878.99	0.17625	0.13386	1.98E-04	5.11E-03	5.31E-03
73	UCAR	571430.55	4177878.99	571430.55, 4177878.99	0.16653	0.13657	1.87E-04	5.21E-03	5.40E-03
74	UCAR	571470.55	4177878.99	571470.55, 4177878.99	0.16102	0.1443	1.81E-04	5.51E-03	5.69E-03
75	UCAR	571510.55	4177878.99	571510.55, 4177878.99	0.15398	0.14922	1.73E-04	5.70E-03	5.87E-03
76	UCAR	571550.55	4177878.99	571550.55, 4177878.99	0.14694	0.15316	1.65E-04	5.85E-03	6.01E-03
77	UCAR	571590.55	4177878.99	571590.55, 4177878.99	0.1412	0.15586	1.59E-04	5.95E-03	6.11E-03
78	UCAR	571630.55	4177878.99	571630.55, 4177878.99	0.13806	0.1574	1.55E-04	6.01E-03	6.16E-03
79	UCAR	571670.55	4177878.99	571670.55, 4177878.99	0.1374	0.15727	1.54E-04	6.00E-03	6.16E-03
80	UCAR	571710.55	4177878.99	571710.55, 4177878.99	0.13889	0.15564	1.56E-04	5.94E-03	6.10E-03
81	UCAR	571750.55	4177878.99	571750.55, 4177878.99	0.14132	0.15268	1.59E-04	5.83E-03	5.99E-03
82	UCAR	571790.55	4177878.99	571790.55, 4177878.99	0.14311	0.14868	1.61E-04	5.68E-03	5.84E-03
83	UCAR	571830.55	4177878.99	571830.55, 4177878.99	0.14281	0.14364	1.60E-04	5.48E-03	5.64E-03
84	UCAR	571870.55	4177878.99	571870.55, 4177878.99	0.14032	0.13793	1.58E-04	5.27E-03	5.42E-03
85	UCAR	570230.55	4177918.99	570230.55, 4177918.99	0.06	0.05447	6.74E-05	2.08E-03	2.15E-03
86	UCAR	570270.55	4177918.99	570270.55, 4177918.99	0.06513	0.05868	7.31E-05	2.24E-03	2.31E-03
87	UCAR	570310.55	4177918.99	570310.55, 4177918.99	0.07102	0.06334	7.98E-05	2.42E-03	2.50E-03
88	UCAR	570350.55	4177918.99	570350.55, 4177918.99	0.07773	0.06837	8.73E-05	2.61E-03	2.70E-03
89	UCAR	570390.55	4177918.99	570390.55, 4177918.99	0.08535	0.07379	9.59E-05	2.82E-03	2.91E-03
90	UCAR	570430.55	4177918.99	570430.55, 4177918.99	0.09407	0.07957	1.06E-04	3.04E-03	3.14E-03
91	UCAR	570470.55	4177918.99	570470.55, 4177918.99	0.10424	0.08567	1.17E-04	3.27E-03	3.39E-03
92	UCAR	570510.55	4177918.99	570510.55, 4177918.99	0.11655	0.09209	1.31E-04	3.52E-03	3.65E-03
93	UCAR	570550.55	4177918.99	570550.55, 4177918.99	0.13182	0.09868	1.48E-04	3.77E-03	3.92E-03
94	UCAR	570590.55	4177918.99	570590.55, 4177918.99	0.15118	0.10531	1.70E-04	4.02E-03	4.19E-03
95	UCAR	570630.55	4177918.99	570630.55, 4177918.99	0.17646	0.11183	1.98E-04	4.27E-03	4.47E-03
96	UCAR	570670.55	4177918.99	570670.55, 4177918.99	0.21131	0.11809	2.37E-04	4.51E-03	4.75E-03
97	UCAR	570710.55	4177918.99	570710.55, 4177918.99	0.26308	0.12393	2.95E-04	4.73E-03	5.03E-03
98	UCAR	570750.55	4177918.99	570750.55, 4177918.99	0.34334	0.12914	3.86E-04	4.93E-03	5.32E-03
99	UCAR	570790.55	4177918.99	570790.55, 4177918.99	0.44474	0.13361	4.99E-04	5.10E-03	5.60E-03
100	UCAR	570830.55	4177918.99	570830.55, 4177918.99	0.50755	0.13726	5.70E-04	5.24E-03	5.81E-03
101	UCAR	570870.55	4177918.99	570870.55, 4177918.99	0.56331	0.14008	6.33E-04	5.35E-03	5.98E-03
102	UCAR	570910.55	4177918.99	570910.55, 4177918.99	0.58969	0.14215	6.62E-04	5.43E-03	6.09E-03
103	UCAR	570950.55	4177918.99	570950.55, 4177918.99	0.53292	0.14367	5.99E-04	5.48E-03	6.08E-03
104	UCAR	570990.55	4177918.99	570990.55, 4177918.99	0.46527	0.14542	5.23E-04	5.55E-03	6.07E-03
105	UCAR	571030.55	4177918.99	571030.55, 4177918.99	0.40841	0.14743	4.59E-04	5.63E-03	6.09E-03
106	UCAR	571070.55	4177918.99	571070.55, 4177918.99	0.36364	0.14944	4.08E-04	5.70E-03	6.11E-03
107	UCAR	571110.55	4177918.99	571110.55, 4177918.99	0.3286	0.15124	3.69E-04	5.77E-03	6.14E-03
108	UCAR	571150.55	4177918.99	571150.55, 4177918.99	0.30066	0.15256	3.38E-04	5.82E-03	6.16E-03
109	UCAR	571190.55	4177918.99	571190.55, 4177918.99	0.27765	0.15348	3.12E-04	5.86E-03	6.17E-03
110	UCAR	571230.55	4177918.99	571230.55, 4177918.99	0.25821	0.15447	2.90E-04	5.90E-03	6.19E-03
111	UCAR	571270.55	4177918.99	571270.55, 4177918.99	0.24152	0.15627	2.71E-04	5.97E-03	6.24E-03

112	UCAR	571310.55	4177918.99	571310.55, 4177918.99	0.22739	0.15891	2.55E-04	6.07E-03	6.32E-03
113	UCAR	571350.55	4177918.99	571350.55, 4177918.99	0.21584	0.1633	2.42E-04	6.23E-03	6.48E-03
114	UCAR	571390.55	4177918.99	571390.55, 4177918.99	0.20245	0.16541	2.27E-04	6.31E-03	6.54E-03
115	UCAR	571430.55	4177918.99	571430.55, 4177918.99	0.19204	0.17164	2.16E-04	6.55E-03	6.77E-03
116	UCAR	571470.55	4177918.99	571470.55, 4177918.99	0.18575	0.18096	2.09E-04	6.91E-03	7.12E-03
117	UCAR	571510.55	4177918.99	571510.55, 4177918.99	0.17732	0.18634	1.99E-04	7.11E-03	7.31E-03
118	UCAR	571550.55	4177918.99	571550.55, 4177918.99	0.17011	0.18904	1.91E-04	7.22E-03	7.41E-03
119	UCAR	571590.55	4177918.99	571590.55, 4177918.99	0.16675	0.18975	1.87E-04	7.24E-03	7.43E-03
120	UCAR	571630.55	4177918.99	571630.55, 4177918.99	0.16722	0.18826	1.88E-04	7.19E-03	7.37E-03
121	UCAR	571670.55	4177918.99	571670.55, 4177918.99	0.17043	0.18494	1.91E-04	7.06E-03	7.25E-03
122	UCAR	571710.55	4177918.99	571710.55, 4177918.99	0.17297	0.17952	1.94E-04	6.85E-03	7.05E-03
123	UCAR	571750.55	4177918.99	571750.55, 4177918.99	0.17364	0.1731	1.95E-04	6.61E-03	6.80E-03
124	UCAR	571790.55	4177918.99	571790.55, 4177918.99	0.17111	0.16583	1.92E-04	6.33E-03	6.52E-03
125	UCAR	571830.55	4177918.99	571830.55, 4177918.99	0.16542	0.15775	1.86E-04	6.02E-03	6.21E-03
126	UCAR	571870.55	4177918.99	571870.55, 4177918.99	0.15777	0.14937	1.77E-04	5.70E-03	5.88E-03
127	UCAR	570230.55	4177958.99	570230.55, 4177958.99	0.0623	0.05611	7.00E-05	2.14E-03	2.21E-03
128	UCAR	570270.55	4177958.99	570270.55, 4177958.99	0.06788	0.06075	7.62E-05	2.32E-03	2.40E-03
129	UCAR	570310.55	4177958.99	570310.55, 4177958.99	0.0743	0.06584	8.34E-05	2.51E-03	2.60E-03
130	UCAR	570350.55	4177958.99	570350.55, 4177958.99	0.0818	0.07155	9.19E-05	2.73E-03	2.82E-03
131	UCAR	570390.55	4177958.99	570390.55, 4177958.99	0.09047	0.07778	1.02E-04	2.97E-03	3.07E-03
132	UCAR	570430.55	4177958.99	570430.55, 4177958.99	0.10049	0.08446	1.13E-04	3.22E-03	3.34E-03
133	UCAR	570470.55	4177958.99	570470.55, 4177958.99	0.11243	0.09183	1.26E-04	3.51E-03	3.63E-03
134	UCAR	570510.55	4177958.99	570510.55, 4177958.99	0.12697	0.09968	1.43E-04	3.81E-03	3.95E-03
135	UCAR	570550.55	4177958.99	570550.55, 4177958.99	0.14531	0.10783	1.63E-04	4.12E-03	4.28E-03
136	UCAR	570590.55	4177958.99	570590.55, 4177958.99	0.16955	0.11631	1.90E-04	4.44E-03	4.63E-03
137	UCAR	570630.55	4177958.99	570630.55, 4177958.99	0.20304	0.12497	2.28E-04	4.77E-03	5.00E-03
138	UCAR	570670.55	4177958.99	570670.55, 4177958.99	0.25266	0.13357	2.84E-04	5.10E-03	5.38E-03
139	UCAR	570710.55	4177958.99	570710.55, 4177958.99	0.33681	0.14195	3.78E-04	5.42E-03	5.80E-03
140	UCAR	570750.55	4177958.99	570750.55, 4177958.99	0.51121	0.14985	5.74E-04	5.72E-03	6.29E-03
141	UCAR	570790.55	4177958.99	570790.55, 4177958.99	1.05182	0.15705	1.18E-03	6.00E-03	7.18E-03
142	UCAR	570830.55	4177958.99	570830.55, 4177958.99	1.27581	0.16335	1.43E-03	6.24E-03	7.67E-03
143	UCAR	570870.55	4177958.99	570870.55, 4177958.99	2.24579	0.1684	2.52E-03	6.43E-03	8.95E-03
144	UCAR	570910.55	4177958.99	570910.55, 4177958.99	1.24607	0.17228	1.40E-03	6.58E-03	7.98E-03
145	UCAR	570950.55	4177958.99	570950.55, 4177958.99	0.86134	0.17499	9.67E-04	6.68E-03	7.65E-03
146	UCAR	570990.55	4177958.99	570990.55, 4177958.99	0.66144	0.17716	7.43E-04	6.76E-03	7.51E-03
147	UCAR	571030.55	4177958.99	571030.55, 4177958.99	0.54137	0.17998	6.08E-04	6.87E-03	7.48E-03
148	UCAR	571070.55	4177958.99	571070.55, 4177958.99	0.46195	0.18265	5.19E-04	6.97E-03	7.49E-03
149	UCAR	571110.55	4177958.99	571110.55, 4177958.99	0.40651	0.18488	4.57E-04	7.06E-03	7.51E-03
150	UCAR	571150.55	4177958.99	571150.55, 4177958.99	0.36604	0.187	4.11E-04	7.14E-03	7.55E-03
151	UCAR	571190.55	4177958.99	571190.55, 4177958.99	0.33507	0.18888	3.76E-04	7.21E-03	7.59E-03
152	UCAR	571230.55	4177958.99	571230.55, 4177958.99	0.30991	0.19156	3.48E-04	7.31E-03	7.66E-03
153	UCAR	571270.55	4177958.99	571270.55, 4177958.99	0.28853	0.19596	3.24E-04	7.48E-03	7.80E-03
154	UCAR	571310.55	4177958.99	571310.55, 4177958.99	0.2704	0.20183	3.04E-04	7.70E-03	8.01E-03
155	UCAR	571350.55	4177958.99	571350.55, 4177958.99	0.25593	0.20974	2.87E-04	8.01E-03	8.29E-03
156	UCAR	571390.55	4177958.99	571390.55, 4177958.99	0.24166	0.21633	2.71E-04	8.26E-03	8.53E-03
157	UCAR	571430.55	4177958.99	571430.55, 4177958.99	0.22951	0.22423	2.58E-04	8.56E-03	8.82E-03
158	UCAR	571470.55	4177958.99	571470.55, 4177958.99	0.21941	0.23043	2.46E-04	8.80E-03	9.04E-03
159	UCAR	571510.55	4177958.99	571510.55, 4177958.99	0.21061	0.23324	2.37E-04	8.90E-03	9.14E-03
160	UCAR	571550.55	4177958.99	571550.55, 4177958.99	0.20741	0.23224	2.33E-04	8.87E-03	9.10E-03
161	UCAR	571590.55	4177958.99	571590.55, 4177958.99	0.21017	0.22824	2.36E-04	8.71E-03	8.95E-03
162	UCAR	571630.55	4177958.99	571630.55, 4177958.99	0.21574	0.22214	2.42E-04	8.48E-03	8.72E-03
163	UCAR	571670.55	4177958.99	571670.55, 4177958.99	0.21798	0.21352	2.45E-04	8.15E-03	8.40E-03
164	UCAR	571710.55	4177958.99	571710.55, 4177958.99	0.21482	0.20323	2.41E-04	7.76E-03	8.00E-03
165	UCAR	571750.55	4177958.99	571750.55, 4177958.99	0.20738	0.19257	2.33E-04	7.35E-03	7.58E-03
166	UCAR	571790.55	4177958.99	571790.55, 4177958.99	0.19668	0.1815	2.21E-04	6.93E-03	7.15E-03
167	UCAR	571830.55	4177958.99	571830.55, 4177958.99	0.18436	0.17034	2.07E-04	6.50E-03	6.71E-03
168	UCAR	571870.55	4177958.99	571870.55, 4177958.99	0.17161	0.15937	1.93E-04	6.08E-03	6.28E-03
169	UCAR	570230.55	4177998.99	570230.55, 4177998.99	0.06458	0.05755	7.25E-05	2.20E-03	2.27E-03
170	UCAR	570270.55	4177998.99	570270.55, 4177998.99	0.07065	0.06261	7.93E-05	2.39E-03	2.47E-03
171	UCAR	570310.55	4177998.99	570310.55, 4177998.99	0.07768	0.06825	8.72E-05	2.61E-03	2.69E-03
172	UCAR	570350.55	4177998.99	570350.55, 4177998.99	0.08591	0.07453	9.65E-05	2.85E-03	2.94E-03

173	UCAR	570390.55	4177998.99	570390.55, 4177998.99	0.09561	0.08154	1.07E-04	3.11E-03	3.22E-03
174	UCAR	570430.55	4177998.99	570430.55, 4177998.99	0.10714	0.08936	1.20E-04	3.41E-03	3.53E-03
175	UCAR	570470.55	4177998.99	570470.55, 4177998.99	0.121	0.09807	1.36E-04	3.74E-03	3.88E-03
176	UCAR	570510.55	4177998.99	570510.55, 4177998.99	0.13785	0.10736	1.55E-04	4.10E-03	4.25E-03
177	UCAR	570550.55	4177998.99	570550.55, 4177998.99	0.15932	0.11724	1.79E-04	4.48E-03	4.65E-03
178	UCAR	570590.55	4177998.99	570590.55, 4177998.99	0.18928	0.12817	2.13E-04	4.89E-03	5.11E-03
179	UCAR	570630.55	4177998.99	570630.55, 4177998.99	0.23201	0.13948	2.61E-04	5.32E-03	5.59E-03
180	UCAR	570670.55	4177998.99	570670.55, 4177998.99	0.29869	0.15107	3.35E-04	5.77E-03	6.10E-03
181	UCAR	570710.55	4177998.99	570710.55, 4177998.99	0.42168	0.16281	4.74E-04	6.22E-03	6.69E-03
182	UCAR	570750.55	4177998.99	570750.55, 4177998.99	0.71894	0.17449	8.07E-04	6.66E-03	7.47E-03
183	UCAR	570790.55	4177998.99	570790.55, 4177998.99	2.04659	0.18578	2.30E-03	7.09E-03	9.39E-03
184	UCAR	570830.55	4177998.99	570830.55, 4177998.99	4.74047	0.19637	5.32E-03	7.50E-03	1.28E-02
185	UCAR	570870.55	4177998.99	570870.55, 4177998.99	4.43827	0.20555	4.98E-03	7.85E-03	1.28E-02
186	UCAR	570910.55	4177998.99	570910.55, 4177998.99	2.03486	0.213	2.29E-03	8.13E-03	1.04E-02
187	UCAR	570950.55	4177998.99	570950.55, 4177998.99	1.25264	0.2183	1.41E-03	8.33E-03	9.74E-03
188	UCAR	570990.55	4177998.99	570990.55, 4177998.99	0.89287	0.22213	1.00E-03	8.48E-03	9.48E-03
189	UCAR	571030.55	4177998.99	571030.55, 4177998.99	0.6953	0.22564	7.81E-04	8.61E-03	9.39E-03
190	UCAR	571070.55	4177998.99	571070.55, 4177998.99	0.57415	0.22843	6.45E-04	8.72E-03	9.37E-03
191	UCAR	571110.55	4177998.99	571110.55, 4177998.99	0.48939	0.22712	5.50E-04	8.67E-03	9.22E-03
192	UCAR	571150.55	4177998.99	571150.55, 4177998.99	0.44158	0.23546	4.96E-04	8.99E-03	9.48E-03
193	UCAR	571190.55	4177998.99	571190.55, 4177998.99	0.4033	0.24063	4.53E-04	9.19E-03	9.64E-03
194	UCAR	571230.55	4177998.99	571230.55, 4177998.99	0.374	0.24749	4.20E-04	9.45E-03	9.87E-03
195	UCAR	571270.55	4177998.99	571270.55, 4177998.99	0.34951	0.25678	3.93E-04	9.80E-03	1.02E-02
196	UCAR	571310.55	4177998.99	571310.55, 4177998.99	0.32814	0.26784	3.69E-04	1.02E-02	1.06E-02
197	UCAR	571350.55	4177998.99	571350.55, 4177998.99	0.31113	0.27941	3.49E-04	1.07E-02	1.10E-02
198	UCAR	571390.55	4177998.99	571390.55, 4177998.99	0.29585	0.28777	3.32E-04	1.10E-02	1.13E-02
199	UCAR	571430.55	4177998.99	571430.55, 4177998.99	0.28051	0.29196	3.15E-04	1.11E-02	1.15E-02
200	UCAR	571470.55	4177998.99	571470.55, 4177998.99	0.27031	0.29336	3.04E-04	1.12E-02	1.15E-02
201	UCAR	571510.55	4177998.99	571510.55, 4177998.99	0.26886	0.28935	3.02E-04	1.10E-02	1.13E-02
202	UCAR	571550.55	4177998.99	571550.55, 4177998.99	0.27633	0.2808	3.10E-04	1.07E-02	1.10E-02
203	UCAR	571590.55	4177998.99	571590.55, 4177998.99	0.28393	0.26981	3.19E-04	1.03E-02	1.06E-02
204	UCAR	571630.55	4177998.99	571630.55, 4177998.99	0.28253	0.25642	3.17E-04	9.79E-03	1.01E-02
205	UCAR	571670.55	4177998.99	571670.55, 4177998.99	0.27144	0.2412	3.05E-04	9.21E-03	9.51E-03
206	UCAR	571710.55	4177998.99	571710.55, 4177998.99	0.25436	0.22535	2.86E-04	8.60E-03	8.89E-03
207	UCAR	571750.55	4177998.99	571750.55, 4177998.99	0.23553	0.21009	2.65E-04	8.02E-03	8.28E-03
208	UCAR	571790.55	4177998.99	571790.55, 4177998.99	0.21648	0.19517	2.43E-04	7.45E-03	7.69E-03
209	UCAR	571830.55	4177998.99	571830.55, 4177998.99	0.19848	0.181	2.23E-04	6.91E-03	7.13E-03
210	UCAR	571870.55	4177998.99	571870.55, 4177998.99	0.18194	0.16776	2.04E-04	6.40E-03	6.61E-03
211	UCAR	570230.55	4178038.99	570230.55, 4178038.99	0.06683	0.05881	7.51E-05	2.25E-03	2.32E-03
212	UCAR	570270.55	4178038.99	570270.55, 4178038.99	0.07339	0.06425	8.24E-05	2.45E-03	2.54E-03
213	UCAR	570310.55	4178038.99	570310.55, 4178038.99	0.08103	0.07039	9.10E-05	2.69E-03	2.78E-03
214	UCAR	570350.55	4178038.99	570350.55, 4178038.99	0.09005	0.07735	1.01E-04	2.95E-03	3.05E-03
215	UCAR	570390.55	4178038.99	570390.55, 4178038.99	0.1008	0.08518	1.13E-04	3.25E-03	3.36E-03
216	UCAR	570430.55	4178038.99	570430.55, 4178038.99	0.11383	0.09411	1.28E-04	3.59E-03	3.72E-03
217	UCAR	570470.55	4178038.99	570470.55, 4178038.99	0.12969	0.10417	1.46E-04	3.98E-03	4.12E-03
218	UCAR	570510.55	4178038.99	570510.55, 4178038.99	0.14909	0.11512	1.67E-04	4.39E-03	4.56E-03
219	UCAR	570550.55	4178038.99	570550.55, 4178038.99	0.17423	0.12713	1.96E-04	4.85E-03	5.05E-03
220	UCAR	570590.55	4178038.99	570590.55, 4178038.99	0.21011	0.14081	2.36E-04	5.38E-03	5.61E-03
221	UCAR	570630.55	4178038.99	570630.55, 4178038.99	0.26277	0.15531	2.95E-04	5.93E-03	6.22E-03
222	UCAR	570670.55	4178038.99	570670.55, 4178038.99	0.34852	0.17065	3.91E-04	6.51E-03	6.91E-03
223	UCAR	570710.55	4178038.99	570710.55, 4178038.99	0.51558	0.18676	5.79E-04	7.13E-03	7.71E-03
224	UCAR	570750.55	4178038.99	570750.55, 4178038.99	0.94289	0.20358	1.06E-03	7.77E-03	8.83E-03
225	UCAR	570790.55	4178038.99	570790.55, 4178038.99	2.85624	0.22078	3.21E-03	8.43E-03	1.16E-02
226	UCAR	570830.55	4178038.99	570830.55, 4178038.99	4.66209	0.23807	5.24E-03	9.09E-03	1.43E-02
227	UCAR	570870.55	4178038.99	570870.55, 4178038.99	4.59057	0.2544	5.16E-03	9.71E-03	1.49E-02
228	UCAR	570910.55	4178038.99	570910.55, 4178038.99	2.30654	0.26884	2.59E-03	1.03E-02	1.29E-02
229	UCAR	570950.55	4178038.99	570950.55, 4178038.99	1.46656	0.27964	1.65E-03	1.07E-02	1.23E-02
230	UCAR	570990.55	4178038.99	570990.55, 4178038.99	1.05391	0.28699	1.18E-03	1.10E-02	1.21E-02
231	UCAR	571030.55	4178038.99	571030.55, 4178038.99	0.81916	0.29262	9.20E-04	1.12E-02	1.21E-02
232	UCAR	571070.55	4178038.99	571070.55, 4178038.99	0.67181	0.29501	7.55E-04	1.13E-02	1.20E-02
233	UCAR	571110.55	4178038.99	571110.55, 4178038.99	0.5617	0.28312	6.31E-04	1.08E-02	1.14E-02

234	UCAR	571150.55	4178038.99	571150.55, 4178038.99	0.51744	0.30697	5.81E-04	1.17E-02	1.23E-02
235	UCAR	571190.55	4178038.99	571190.55, 4178038.99	0.47949	0.32276	5.39E-04	1.23E-02	1.29E-02
236	UCAR	571230.55	4178038.99	571230.55, 4178038.99	0.45278	0.3383	5.09E-04	1.29E-02	1.34E-02
237	UCAR	571270.55	4178038.99	571270.55, 4178038.99	0.43334	0.35564	4.87E-04	1.36E-02	1.41E-02
238	UCAR	571310.55	4178038.99	571310.55, 4178038.99	0.41481	0.37086	4.66E-04	1.42E-02	1.46E-02
239	UCAR	571350.55	4178038.99	571350.55, 4178038.99	0.39743	0.38066	4.46E-04	1.45E-02	1.50E-02
240	UCAR	571390.55	4178038.99	571390.55, 4178038.99	0.38148	0.38315	4.28E-04	1.46E-02	1.51E-02
241	UCAR	571430.55	4178038.99	571430.55, 4178038.99	0.36834	0.37851	4.14E-04	1.44E-02	1.49E-02
242	UCAR	571470.55	4178038.99	571470.55, 4178038.99	0.3734	0.3678	4.19E-04	1.40E-02	1.45E-02
243	UCAR	571510.55	4178038.99	571510.55, 4178038.99	0.39107	0.35152	4.39E-04	1.34E-02	1.39E-02
244	UCAR	571550.55	4178038.99	571550.55, 4178038.99	0.39546	0.33224	4.44E-04	1.27E-02	1.31E-02
245	UCAR	571590.55	4178038.99	571590.55, 4178038.99	0.37863	0.31084	4.25E-04	1.19E-02	1.23E-02
246	UCAR	571630.55	4178038.99	571630.55, 4178038.99	0.34943	0.28875	3.92E-04	1.10E-02	1.14E-02
247	UCAR	571670.55	4178038.99	571670.55, 4178038.99	0.31636	0.26638	3.55E-04	1.02E-02	1.05E-02
248	UCAR	571710.55	4178038.99	571710.55, 4178038.99	0.28461	0.24498	3.20E-04	9.35E-03	9.67E-03
249	UCAR	571750.55	4178038.99	571750.55, 4178038.99	0.25626	0.22514	2.88E-04	8.59E-03	8.88E-03
250	UCAR	571790.55	4178038.99	571790.55, 4178038.99	0.23116	0.20673	2.60E-04	7.89E-03	8.15E-03
251	UCAR	571830.55	4178038.99	571830.55, 4178038.99	0.20926	0.18999	2.35E-04	7.25E-03	7.49E-03
252	UCAR	571870.55	4178038.99	571870.55, 4178038.99	0.19008	0.1748	2.13E-04	6.67E-03	6.89E-03
253	UCAR	570230.55	4178078.99	570230.55, 4178078.99	0.06898	0.05991	7.75E-05	2.29E-03	2.36E-03
254	UCAR	570270.55	4178078.99	570270.55, 4178078.99	0.07604	0.06569	8.54E-05	2.51E-03	2.59E-03
255	UCAR	570310.55	4178078.99	570310.55, 4178078.99	0.08429	0.0723	9.47E-05	2.76E-03	2.85E-03
256	UCAR	570350.55	4178078.99	570350.55, 4178078.99	0.09408	0.07988	1.06E-04	3.05E-03	3.16E-03
257	UCAR	570390.55	4178078.99	570390.55, 4178078.99	0.10591	0.0886	1.19E-04	3.38E-03	3.50E-03
258	UCAR	570430.55	4178078.99	570430.55, 4178078.99	0.12037	0.09857	1.35E-04	3.76E-03	3.90E-03
259	UCAR	570470.55	4178078.99	570470.55, 4178078.99	0.13831	0.11001	1.55E-04	4.20E-03	4.35E-03
260	UCAR	570510.55	4178078.99	570510.55, 4178078.99	0.16101	0.12311	1.81E-04	4.70E-03	4.88E-03
261	UCAR	570550.55	4178078.99	570550.55, 4178078.99	0.19044	0.13763	2.14E-04	5.25E-03	5.47E-03
262	UCAR	570590.55	4178078.99	570590.55, 4178078.99	0.23231	0.15414	2.61E-04	5.88E-03	6.15E-03
263	UCAR	570630.55	4178078.99	570630.55, 4178078.99	0.29589	0.17243	3.32E-04	6.58E-03	6.91E-03
264	UCAR	570670.55	4178078.99	570670.55, 4178078.99	0.40228	0.19236	4.52E-04	7.34E-03	7.80E-03
265	UCAR	570710.55	4178078.99	570710.55, 4178078.99	0.61121	0.21407	6.86E-04	8.17E-03	8.86E-03
266	UCAR	570750.55	4178078.99	570750.55, 4178078.99	1.13481	0.23768	1.27E-03	9.07E-03	1.03E-02
267	UCAR	570790.55	4178078.99	570790.55, 4178078.99	3.61362	0.26311	4.06E-03	1.00E-02	1.41E-02
268	UCAR	570830.55	4178078.99	570830.55, 4178078.99	9.28322	0.29043	1.04E-02	1.11E-02	2.15E-02
269	UCAR	570870.55	4178078.99	570870.55, 4178078.99	4.41008	0.31887	4.95E-03	1.22E-02	1.71E-02
270	UCAR	570910.55	4178078.99	570910.55, 4178078.99	2.35626	0.34663	2.65E-03	1.32E-02	1.59E-02
271	UCAR	570950.55	4178078.99	570950.55, 4178078.99	1.55218	0.37014	1.74E-03	1.41E-02	1.59E-02
272	UCAR	570990.55	4178078.99	570990.55, 4178078.99	1.139	0.38672	1.28E-03	1.48E-02	1.60E-02
273	UCAR	571030.55	4178078.99	571030.55, 4178078.99	0.90022	0.39741	1.01E-03	1.52E-02	1.62E-02
274	UCAR	571070.55	4178078.99	571070.55, 4178078.99	0.75151	0.40766	8.44E-04	1.56E-02	1.64E-02
275	UCAR	571110.55	4178078.99	571110.55, 4178078.99	0.64958	0.40983	7.30E-04	1.56E-02	1.64E-02
276	UCAR	571150.55	4178078.99	571150.55, 4178078.99	0.59644	0.43778	6.70E-04	1.67E-02	1.74E-02
277	UCAR	571190.55	4178078.99	571190.55, 4178078.99	0.56422	0.46756	6.34E-04	1.78E-02	1.85E-02
278	UCAR	571230.55	4178078.99	571230.55, 4178078.99	0.55386	0.49586	6.22E-04	1.89E-02	1.96E-02
279	UCAR	571270.55	4178078.99	571270.55, 4178078.99	0.56148	0.51592	6.31E-04	1.97E-02	2.03E-02
280	UCAR	571310.55	4178078.99	571310.55, 4178078.99	0.57502	0.52371	6.46E-04	2.00E-02	2.06E-02
281	UCAR	571350.55	4178078.99	571350.55, 4178078.99	0.57364	0.51903	6.44E-04	1.98E-02	2.05E-02
282	UCAR	571390.55	4178078.99	571390.55, 4178078.99	0.56708	0.50326	6.37E-04	1.92E-02	1.98E-02
283	UCAR	571430.55	4178078.99	571430.55, 4178078.99	0.59844	0.47918	6.72E-04	1.83E-02	1.90E-02
284	UCAR	571470.55	4178078.99	571470.55, 4178078.99	0.63222	0.44889	7.10E-04	1.71E-02	1.78E-02
285	UCAR	571510.55	4178078.99	571510.55, 4178078.99	0.59893	0.41645	6.73E-04	1.59E-02	1.66E-02
286	UCAR	571550.55	4178078.99	571550.55, 4178078.99	0.53056	0.38257	5.96E-04	1.46E-02	1.52E-02
287	UCAR	571590.55	4178078.99	571590.55, 4178078.99	0.46063	0.34931	5.17E-04	1.33E-02	1.39E-02
288	UCAR	571630.55	4178078.99	571630.55, 4178078.99	0.40029	0.31808	4.50E-04	1.21E-02	1.26E-02
289	UCAR	571670.55	4178078.99	571670.55, 4178078.99	0.34955	0.28859	3.93E-04	1.10E-02	1.14E-02
290	UCAR	571710.55	4178078.99	571710.55, 4178078.99	0.30768	0.26188	3.46E-04	1.00E-02	1.03E-02
291	UCAR	571750.55	4178078.99	571750.55, 4178078.99	0.27313	0.23813	3.07E-04	9.09E-03	9.40E-03
292	UCAR	571790.55	4178078.99	571790.55, 4178078.99	0.24402	0.2169	2.74E-04	8.28E-03	8.55E-03
293	UCAR	571830.55	4178078.99	571830.55, 4178078.99	0.21932	0.19807	2.46E-04	7.56E-03	7.81E-03
294	UCAR	571870.55	4178078.99	571870.55, 4178078.99	0.19818	0.18138	2.23E-04	6.92E-03	7.15E-03

295	UCAR	570230.55	4178118.99	570230.55, 4178118.99	0.07098	0.06085	7.97E-05	2.32E-03	2.40E-03
296	UCAR	570270.55	4178118.99	570270.55, 4178118.99	0.07854	0.06694	8.82E-05	2.56E-03	2.64E-03
297	UCAR	570310.55	4178118.99	570310.55, 4178118.99	0.08742	0.07397	9.82E-05	2.82E-03	2.92E-03
298	UCAR	570350.55	4178118.99	570350.55, 4178118.99	0.09802	0.08214	1.10E-04	3.14E-03	3.25E-03
299	UCAR	570390.55	4178118.99	570390.55, 4178118.99	0.11091	0.09164	1.25E-04	3.50E-03	3.62E-03
300	UCAR	570430.55	4178118.99	570430.55, 4178118.99	0.12689	0.10273	1.43E-04	3.92E-03	4.06E-03
301	UCAR	570470.55	4178118.99	570470.55, 4178118.99	0.14702	0.11564	1.65E-04	4.41E-03	4.58E-03
302	UCAR	570510.55	4178118.99	570510.55, 4178118.99	0.17289	0.13063	1.94E-04	4.99E-03	5.18E-03
303	UCAR	570550.55	4178118.99	570550.55, 4178118.99	0.20748	0.14814	2.33E-04	5.66E-03	5.89E-03
304	UCAR	570590.55	4178118.99	570590.55, 4178118.99	0.25618	0.16805	2.88E-04	6.42E-03	6.70E-03
305	UCAR	570630.55	4178118.99	570630.55, 4178118.99	0.33086	0.19076	3.72E-04	7.28E-03	7.65E-03
306	UCAR	570670.55	4178118.99	570670.55, 4178118.99	0.45597	0.21639	5.12E-04	8.26E-03	8.77E-03
307	UCAR	570710.55	4178118.99	570710.55, 4178118.99	0.69741	0.24516	7.83E-04	9.36E-03	1.01E-02
308	UCAR	570750.55	4178118.99	570750.55, 4178118.99	1.29811	0.27757	1.46E-03	1.06E-02	1.21E-02
309	UCAR	570790.55	4178118.99	570790.55, 4178118.99	4.61565	0.31413	5.18E-03	1.20E-02	1.72E-02
310	UCAR	570830.55	4178118.99	570830.55, 4178118.99	14.13905	0.35585	1.59E-02	1.36E-02	2.95E-02
311	UCAR	570870.55	4178118.99	570870.55, 4178118.99	4.1807	0.4032	4.70E-03	1.54E-02	2.01E-02
312	UCAR	570910.55	4178118.99	570910.55, 4178118.99	2.33857	0.45537	2.63E-03	1.74E-02	2.00E-02
313	UCAR	570950.55	4178118.99	570950.55, 4178118.99	1.58346	0.50764	1.78E-03	1.94E-02	2.12E-02
314	UCAR	570990.55	4178118.99	570990.55, 4178118.99	1.18782	0.55044	1.33E-03	2.10E-02	2.23E-02
315	UCAR	571030.55	4178118.99	571030.55, 4178118.99	0.95536	0.58119	1.07E-03	2.22E-02	2.33E-02
316	UCAR	571070.55	4178118.99	571070.55, 4178118.99	0.81174	0.60573	9.12E-04	2.31E-02	2.40E-02
317	UCAR	571110.55	4178118.99	571110.55, 4178118.99	0.72377	0.6398	8.13E-04	2.44E-02	2.52E-02
318	UCAR	571150.55	4178118.99	571150.55, 4178118.99	0.67622	0.69452	7.59E-04	2.65E-02	2.73E-02
319	UCAR	571190.55	4178118.99	571190.55, 4178118.99	0.66435	0.74437	7.46E-04	2.84E-02	2.92E-02
320	UCAR	571230.55	4178118.99	571230.55, 4178118.99	0.69213	0.76704	7.77E-04	2.93E-02	3.01E-02
321	UCAR	571270.55	4178118.99	571270.55, 4178118.99	0.77579	0.76182	8.71E-04	2.91E-02	3.00E-02
322	UCAR	571310.55	4178118.99	571310.55, 4178118.99	0.95183	0.7357	1.07E-03	2.81E-02	2.92E-02
323	UCAR	571350.55	4178118.99	571350.55, 4178118.99	1.22097	0.69476	1.37E-03	2.65E-02	2.79E-02
324	UCAR	571390.55	4178118.99	571390.55, 4178118.99	1.48661	0.64396	1.67E-03	2.46E-02	2.63E-02
325	UCAR	571430.55	4178118.99	571430.55, 4178118.99	1.37921	0.58832	1.55E-03	2.25E-02	2.40E-02
326	UCAR	571470.55	4178118.99	571470.55, 4178118.99	1.03579	0.53217	1.16E-03	2.03E-02	2.15E-02
327	UCAR	571510.55	4178118.99	571510.55, 4178118.99	0.79726	0.47941	8.95E-04	1.83E-02	1.92E-02
328	UCAR	571550.55	4178118.99	571550.55, 4178118.99	0.6383	0.42972	7.17E-04	1.64E-02	1.71E-02
329	UCAR	571590.55	4178118.99	571590.55, 4178118.99	0.52706	0.38438	5.92E-04	1.47E-02	1.53E-02
330	UCAR	571630.55	4178118.99	571630.55, 4178118.99	0.44546	0.34437	5.00E-04	1.31E-02	1.36E-02
331	UCAR	571670.55	4178118.99	571670.55, 4178118.99	0.38262	0.3088	4.30E-04	1.18E-02	1.22E-02
332	UCAR	571710.55	4178118.99	571710.55, 4178118.99	0.33226	0.27726	3.73E-04	1.06E-02	1.10E-02
333	UCAR	571750.55	4178118.99	571750.55, 4178118.99	0.29219	0.25029	3.28E-04	9.55E-03	9.88E-03
334	UCAR	571790.55	4178118.99	571790.55, 4178118.99	0.25912	0.22675	2.91E-04	8.66E-03	8.95E-03
335	UCAR	571830.55	4178118.99	571830.55, 4178118.99	0.23146	0.2062	2.60E-04	7.87E-03	8.13E-03
336	UCAR	571870.55	4178118.99	571870.55, 4178118.99	0.20823	0.18836	2.34E-04	7.19E-03	7.42E-03
337	UCAR	570230.55	4178158.99	570230.55, 4178158.99	0.07284	0.06167	8.18E-05	2.35E-03	2.44E-03
338	UCAR	570270.55	4178158.99	570270.55, 4178158.99	0.08091	0.06803	9.09E-05	2.60E-03	2.69E-03
339	UCAR	570310.55	4178158.99	570310.55, 4178158.99	0.09046	0.07544	1.02E-04	2.88E-03	2.98E-03
340	UCAR	570350.55	4178158.99	570350.55, 4178158.99	0.10192	0.08415	1.14E-04	3.21E-03	3.33E-03
341	UCAR	570390.55	4178158.99	570390.55, 4178158.99	0.11594	0.0944	1.30E-04	3.60E-03	3.73E-03
342	UCAR	570430.55	4178158.99	570430.55, 4178158.99	0.13345	0.10652	1.50E-04	4.07E-03	4.22E-03
343	UCAR	570470.55	4178158.99	570470.55, 4178158.99	0.15584	0.12091	1.75E-04	4.62E-03	4.79E-03
344	UCAR	570510.55	4178158.99	570510.55, 4178158.99	0.18512	0.138	2.08E-04	5.27E-03	5.48E-03
345	UCAR	570550.55	4178158.99	570550.55, 4178158.99	0.22452	0.15822	2.52E-04	6.04E-03	6.29E-03
346	UCAR	570590.55	4178158.99	570590.55, 4178158.99	0.28048	0.18224	3.15E-04	6.96E-03	7.27E-03
347	UCAR	570630.55	4178158.99	570630.55, 4178158.99	0.36526	0.2102	4.10E-04	8.02E-03	8.43E-03
348	UCAR	570670.55	4178158.99	570670.55, 4178158.99	0.5061	0.24285	5.68E-04	9.27E-03	9.84E-03
349	UCAR	570710.55	4178158.99	570710.55, 4178158.99	0.77541	0.28056	8.71E-04	1.07E-02	1.16E-02
350	UCAR	570750.55	4178158.99	570750.55, 4178158.99	1.45506	0.32445	1.63E-03	1.24E-02	1.40E-02
351	UCAR	570790.55	4178158.99	570790.55, 4178158.99	6.22278	0.37607	6.99E-03	1.44E-02	2.13E-02
352	UCAR	570830.55	4178158.99	570830.55, 4178158.99	11.52513	0.43819	1.29E-02	1.67E-02	2.97E-02
353	UCAR	570870.55	4178158.99	570870.55, 4178158.99	3.95689	0.5139	4.44E-03	1.96E-02	2.41E-02
354	UCAR	570910.55	4178158.99	570910.55, 4178158.99	2.29657	0.60749	2.58E-03	2.32E-02	2.58E-02
355	UCAR	570950.55	4178158.99	570950.55, 4178158.99	1.59245	0.72143	1.79E-03	2.75E-02	2.93E-02

356	UCAR	570990.55	4178158.99	570990.55, 4178158.99	1.21932	0.84688	1.37E-03	3.23E-02	3.37E-02
357	UCAR	571030.55	4178158.99	571030.55, 4178158.99	0.99972	0.95407	1.12E-03	3.64E-02	3.75E-02
358	UCAR	571070.55	4178158.99	571070.55, 4178158.99	0.86732	1.04288	9.74E-04	3.98E-02	4.08E-02
359	UCAR	571110.55	4178158.99	571110.55, 4178158.99	0.79425	1.17465	8.92E-04	4.48E-02	4.57E-02
360	UCAR	571150.55	4178158.99	571150.55, 4178158.99	0.77046	1.27423	8.65E-04	4.86E-02	4.95E-02
361	UCAR	571190.55	4178158.99	571190.55, 4178158.99	0.79997	1.27042	8.98E-04	4.85E-02	4.94E-02
362	UCAR	571230.55	4178158.99	571230.55, 4178158.99	0.90963	1.20483	1.02E-03	4.60E-02	4.70E-02
363	UCAR	571270.55	4178158.99	571270.55, 4178158.99	1.18945	1.11333	1.34E-03	4.25E-02	4.38E-02
364	UCAR	571310.55	4178158.99	571310.55, 4178158.99	2.05613	1.01039	2.31E-03	3.86E-02	4.09E-02
365	UCAR	571350.55	4178158.99	571350.55, 4178158.99	4.15205	0.90258	4.66E-03	3.45E-02	3.91E-02
366	UCAR	571390.55	4178158.99	571390.55, 4178158.99	8.106	0.79737	9.10E-03	3.04E-02	3.95E-02
367	UCAR	571430.55	4178158.99	571430.55, 4178158.99	2.53824	0.70027	2.85E-03	2.67E-02	2.96E-02
368	UCAR	571470.55	4178158.99	571470.55, 4178158.99	1.44814	0.61285	1.63E-03	2.34E-02	2.50E-02
369	UCAR	571510.55	4178158.99	571510.55, 4178158.99	1.00139	0.53761	1.12E-03	2.05E-02	2.16E-02
370	UCAR	571550.55	4178158.99	571550.55, 4178158.99	0.75893	0.47334	8.52E-04	1.81E-02	1.89E-02
371	UCAR	571590.55	4178158.99	571590.55, 4178158.99	0.60547	0.4173	6.80E-04	1.59E-02	1.66E-02
372	UCAR	571630.55	4178158.99	571630.55, 4178158.99	0.49955	0.36946	5.61E-04	1.41E-02	1.47E-02
373	UCAR	571670.55	4178158.99	571670.55, 4178158.99	0.42171	0.32846	4.74E-04	1.25E-02	1.30E-02
374	UCAR	571710.55	4178158.99	571710.55, 4178158.99	0.3617	0.29326	4.06E-04	1.12E-02	1.16E-02
375	UCAR	571750.55	4178158.99	571750.55, 4178158.99	0.31443	0.26328	3.53E-04	1.01E-02	1.04E-02
376	UCAR	571790.55	4178158.99	571790.55, 4178158.99	0.27635	0.23758	3.10E-04	9.07E-03	9.38E-03
377	UCAR	571830.55	4178158.99	571830.55, 4178158.99	0.24534	0.2156	2.76E-04	8.23E-03	8.51E-03
378	UCAR	571870.55	4178158.99	571870.55, 4178158.99	0.21951	0.19654	2.47E-04	7.50E-03	7.75E-03
379	UCAR	570230.55	4178198.99	570230.55, 4178198.99	0.07458	0.06243	8.38E-05	2.38E-03	2.47E-03
380	UCAR	570270.55	4178198.99	570270.55, 4178198.99	0.08318	0.06901	9.34E-05	2.63E-03	2.73E-03
381	UCAR	570310.55	4178198.99	570310.55, 4178198.99	0.09343	0.07675	1.05E-04	2.93E-03	3.03E-03
382	UCAR	570350.55	4178198.99	570350.55, 4178198.99	0.10578	0.08591	1.19E-04	3.28E-03	3.40E-03
383	UCAR	570390.55	4178198.99	570390.55, 4178198.99	0.12095	0.09681	1.36E-04	3.70E-03	3.83E-03
384	UCAR	570430.55	4178198.99	570430.55, 4178198.99	0.14003	0.1099	1.57E-04	4.20E-03	4.35E-03
385	UCAR	570470.55	4178198.99	570470.55, 4178198.99	0.16462	0.12571	1.85E-04	4.80E-03	4.98E-03
386	UCAR	570510.55	4178198.99	570510.55, 4178198.99	0.19711	0.14487	2.21E-04	5.53E-03	5.75E-03
387	UCAR	570550.55	4178198.99	570550.55, 4178198.99	0.24121	0.16813	2.71E-04	6.42E-03	6.69E-03
388	UCAR	570590.55	4178198.99	570590.55, 4178198.99	0.30348	0.19635	3.41E-04	7.50E-03	7.84E-03
389	UCAR	570630.55	4178198.99	570630.55, 4178198.99	0.39751	0.23065	4.46E-04	8.81E-03	9.25E-03
390	UCAR	570670.55	4178198.99	570670.55, 4178198.99	0.55299	0.27184	6.21E-04	1.04E-02	1.10E-02
391	UCAR	570710.55	4178198.99	570710.55, 4178198.99	0.85142	0.32095	9.56E-04	1.23E-02	1.32E-02
392	UCAR	570750.55	4178198.99	570750.55, 4178198.99	1.63078	0.38006	1.83E-03	1.45E-02	1.63E-02
393	UCAR	570790.55	4178198.99	570790.55, 4178198.99	3.64664	0.45248	4.10E-03	1.73E-02	2.14E-02
394	UCAR	570830.55	4178198.99	570830.55, 4178198.99	9.76662	0.5442	1.10E-02	2.08E-02	3.17E-02
395	UCAR	570870.55	4178198.99	570870.55, 4178198.99	3.7358	0.66381	4.20E-03	2.53E-02	2.95E-02
396	UCAR	570910.55	4178198.99	570910.55, 4178198.99	2.24209	0.82521	2.52E-03	3.15E-02	3.40E-02
397	UCAR	570950.55	4178198.99	570950.55, 4178198.99	1.58968	1.05726	1.79E-03	4.04E-02	4.21E-02
398	UCAR	570990.55	4178198.99	570990.55, 4178198.99	1.2421	1.42129	1.39E-03	5.43E-02	5.57E-02
399	UCAR	571030.55	4178198.99	571030.55, 4178198.99	1.04197	1.94743	1.17E-03	7.43E-02	7.55E-02
400	UCAR	571070.55	4178198.99	571070.55, 4178198.99	0.92924	2.64145	1.04E-03	1.01E-01	1.02E-01
401	UCAR	571110.55	4178198.99	571110.55, 4178198.99	0.88187	2.91539	9.90E-04	1.11E-01	1.12E-01
402	UCAR	571150.55	4178198.99	571150.55, 4178198.99	0.90088	2.58412	1.01E-03	9.86E-02	9.97E-02
403	UCAR	571190.55	4178198.99	571190.55, 4178198.99	1.01394	2.20377	1.14E-03	8.41E-02	8.53E-02
404	UCAR	571230.55	4178198.99	571230.55, 4178198.99	1.32335	1.87697	1.49E-03	7.17E-02	7.31E-02
405	UCAR	571270.55	4178198.99	571270.55, 4178198.99	2.3005	1.59596	2.58E-03	6.09E-02	6.35E-02
406	UCAR	571310.55	4178198.99	571310.55, 4178198.99	5.60364	1.34839	6.29E-03	5.15E-02	5.78E-02
407	UCAR	571350.55	4178198.99	571350.55, 4178198.99	12.96423	1.13581	1.46E-02	4.34E-02	5.79E-02
408	UCAR	571390.55	4178198.99	571390.55, 4178198.99	4.56481	0.95838	5.13E-03	3.66E-02	4.17E-02
409	UCAR	571430.55	4178198.99	571430.55, 4178198.99	2.44742	0.81239	2.75E-03	3.10E-02	3.38E-02
410	UCAR	571470.55	4178198.99	571470.55, 4178198.99	1.55863	0.6928	1.75E-03	2.64E-02	2.82E-02
411	UCAR	571510.55	4178198.99	571510.55, 4178198.99	1.10161	0.59532	1.24E-03	2.27E-02	2.40E-02
412	UCAR	571550.55	4178198.99	571550.55, 4178198.99	0.83265	0.51526	9.35E-04	1.97E-02	2.06E-02
413	UCAR	571590.55	4178198.99	571590.55, 4178198.99	0.6596	0.45016	7.41E-04	1.72E-02	1.79E-02
414	UCAR	571630.55	4178198.99	571630.55, 4178198.99	0.53948	0.39553	6.06E-04	1.51E-02	1.57E-02
415	UCAR	571670.55	4178198.99	571670.55, 4178198.99	0.45154	0.34929	5.07E-04	1.33E-02	1.38E-02
416	UCAR	571710.55	4178198.99	571710.55, 4178198.99	0.38487	0.31077	4.32E-04	1.19E-02	1.23E-02

417	UCAR	571750.55	4178198.99	571750.55, 4178198.99	0.33237	0.27796	3.73E-04	1.06E-02	1.10E-02
418	UCAR	571790.55	4178198.99	571790.55, 4178198.99	0.29069	0.25022	3.26E-04	9.55E-03	9.88E-03
419	UCAR	571830.55	4178198.99	571830.55, 4178198.99	0.25699	0.22659	2.89E-04	8.65E-03	8.94E-03
420	UCAR	571870.55	4178198.99	571870.55, 4178198.99	0.22932	0.20633	2.58E-04	7.88E-03	8.13E-03
421	UCAR	570230.55	4178238.99	570230.55, 4178238.99	0.07621	0.06315	8.56E-05	2.41E-03	2.50E-03
422	UCAR	570270.55	4178238.99	570270.55, 4178238.99	0.08534	0.06992	9.58E-05	2.67E-03	2.77E-03
423	UCAR	570310.55	4178238.99	570310.55, 4178238.99	0.09629	0.07792	1.08E-04	2.97E-03	3.08E-03
424	UCAR	570350.55	4178238.99	570350.55, 4178238.99	0.10954	0.08746	1.23E-04	3.34E-03	3.46E-03
425	UCAR	570390.55	4178238.99	570390.55, 4178238.99	0.12586	0.09893	1.41E-04	3.78E-03	3.92E-03
426	UCAR	570430.55	4178238.99	570430.55, 4178238.99	0.14645	0.11287	1.64E-04	4.31E-03	4.47E-03
427	UCAR	570470.55	4178238.99	570470.55, 4178238.99	0.17306	0.12996	1.94E-04	4.96E-03	5.16E-03
428	UCAR	570510.55	4178238.99	570510.55, 4178238.99	0.20831	0.15106	2.34E-04	5.77E-03	6.00E-03
429	UCAR	570550.55	4178238.99	570550.55, 4178238.99	0.25639	0.17735	2.88E-04	6.77E-03	7.06E-03
430	UCAR	570590.55	4178238.99	570590.55, 4178238.99	0.3245	0.21027	3.64E-04	8.03E-03	8.39E-03
431	UCAR	570630.55	4178238.99	570630.55, 4178238.99	0.42681	0.25143	4.79E-04	9.60E-03	1.01E-02
432	UCAR	570670.55	4178238.99	570670.55, 4178238.99	0.59737	0.30302	6.71E-04	1.16E-02	1.22E-02
433	UCAR	570710.55	4178238.99	570710.55, 4178238.99	0.93094	0.367	1.05E-03	1.40E-02	1.51E-02
434	UCAR	570750.55	4178238.99	570750.55, 4178238.99	1.85837	0.44676	2.09E-03	1.71E-02	1.91E-02
435	UCAR	570790.55	4178238.99	570790.55, 4178238.99	8.061	0.54863	9.05E-03	2.09E-02	3.00E-02
436	UCAR	570830.55	4178238.99	570830.55, 4178238.99	8.12034	0.68458	9.12E-03	2.61E-02	3.53E-02
437	UCAR	570870.55	4178238.99	570870.55, 4178238.99	3.48658	0.87707	3.92E-03	3.35E-02	3.74E-02
438	UCAR	570910.55	4178238.99	570910.55, 4178238.99	2.17299	1.16031	2.44E-03	4.43E-02	4.67E-02
439	UCAR	570950.55	4178238.99	570950.55, 4178238.99	1.58096	1.62792	1.78E-03	6.21E-02	6.39E-02
440	UCAR	570990.55	4178238.99	570990.55, 4178238.99	1.26418	2.57587	1.42E-03	9.83E-02	9.98E-02
441	UCAR	571030.55	4178238.99	571030.55, 4178238.99	1.09036	3.51801	1.22E-03	1.34E-01	1.36E-01
442	UCAR	571110.55	4178238.99	571110.55, 4178238.99	1.00701	8.40432	1.13E-03	3.21E-01	3.22E-01
443	UCAR	571150.55	4178238.99	571150.55, 4178238.99	1.11048	5.41512	1.25E-03	2.07E-01	2.08E-01
444	UCAR	571190.55	4178238.99	571190.55, 4178238.99	1.42354	3.85912	1.60E-03	1.47E-01	1.49E-01
445	UCAR	571230.55	4178238.99	571230.55, 4178238.99	2.42727	2.8946	2.73E-03	1.11E-01	1.13E-01
446	UCAR	571270.55	4178238.99	571270.55, 4178238.99	4.98827	2.21767	5.60E-03	8.47E-02	9.03E-02
447	UCAR	571310.55	4178238.99	571310.55, 4178238.99	13.50876	1.73444	1.52E-02	6.62E-02	8.14E-02
448	UCAR	571350.55	4178238.99	571350.55, 4178238.99	5.17246	1.38321	5.81E-03	5.28E-02	5.86E-02
449	UCAR	571390.55	4178238.99	571390.55, 4178238.99	2.96385	1.12028	3.33E-03	4.28E-02	4.61E-02
450	UCAR	571430.55	4178238.99	571430.55, 4178238.99	1.94968	0.92373	2.19E-03	3.53E-02	3.75E-02
451	UCAR	571470.55	4178238.99	571470.55, 4178238.99	1.39067	0.77205	1.56E-03	2.95E-02	3.10E-02
452	UCAR	571510.55	4178238.99	571510.55, 4178238.99	1.04798	0.65394	1.18E-03	2.50E-02	2.61E-02
453	UCAR	571550.55	4178238.99	571550.55, 4178238.99	0.82272	0.56016	9.24E-04	2.14E-02	2.23E-02
454	UCAR	571590.55	4178238.99	571590.55, 4178238.99	0.66482	0.48413	7.47E-04	1.85E-02	1.92E-02
455	UCAR	571630.55	4178238.99	571630.55, 4178238.99	0.54974	0.42275	6.17E-04	1.61E-02	1.68E-02
456	UCAR	571670.55	4178238.99	571670.55, 4178238.99	0.46312	0.37258	5.20E-04	1.42E-02	1.47E-02
457	UCAR	571710.55	4178238.99	571710.55, 4178238.99	0.39582	0.33024	4.45E-04	1.26E-02	1.31E-02
458	UCAR	571750.55	4178238.99	571750.55, 4178238.99	0.34212	0.29439	3.84E-04	1.12E-02	1.16E-02
459	UCAR	571790.55	4178238.99	571790.55, 4178238.99	0.29972	0.26468	3.37E-04	1.01E-02	1.04E-02
460	UCAR	571830.55	4178238.99	571830.55, 4178238.99	0.26472	0.239	2.97E-04	9.12E-03	9.42E-03
461	UCAR	571870.55	4178238.99	571870.55, 4178238.99	0.23598	0.21708	2.65E-04	8.29E-03	8.55E-03
462	UCAR	570230.55	4178278.99	570230.55, 4178278.99	0.07775	0.06389	8.73E-05	2.44E-03	2.53E-03
463	UCAR	570270.55	4178278.99	570270.55, 4178278.99	0.08735	0.07081	9.81E-05	2.70E-03	2.80E-03
464	UCAR	570310.55	4178278.99	570310.55, 4178278.99	0.09894	0.07903	1.11E-04	3.02E-03	3.13E-03
465	UCAR	570350.55	4178278.99	570350.55, 4178278.99	0.11306	0.08888	1.27E-04	3.39E-03	3.52E-03
466	UCAR	570390.55	4178278.99	570390.55, 4178278.99	0.13049	0.10082	1.47E-04	3.85E-03	4.00E-03
467	UCAR	570430.55	4178278.99	570430.55, 4178278.99	0.15245	0.11546	1.71E-04	4.41E-03	4.58E-03
468	UCAR	570470.55	4178278.99	570470.55, 4178278.99	0.18077	0.13363	2.03E-04	5.10E-03	5.30E-03
469	UCAR	570510.55	4178278.99	570510.55, 4178278.99	0.21828	0.15649	2.45E-04	5.97E-03	6.22E-03
470	UCAR	570550.55	4178278.99	570550.55, 4178278.99	0.26954	0.18562	3.03E-04	7.09E-03	7.39E-03
471	UCAR	570590.55	4178278.99	570590.55, 4178278.99	0.34256	0.22317	3.85E-04	8.52E-03	8.90E-03
472	UCAR	570630.55	4178278.99	570630.55, 4178278.99	0.45309	0.27203	5.09E-04	1.04E-02	1.09E-02
473	UCAR	570670.55	4178278.99	570670.55, 4178278.99	0.63852	0.33569	7.17E-04	1.28E-02	1.35E-02
474	UCAR	570710.55	4178278.99	570710.55, 4178278.99	1.01449	0.4186	1.14E-03	1.60E-02	1.71E-02
475	UCAR	570750.55	4178278.99	570750.55, 4178278.99	2.16165	0.52732	2.43E-03	2.01E-02	2.26E-02
476	UCAR	570790.55	4178278.99	570790.55, 4178278.99	4.73701	0.67171	5.32E-03	2.56E-02	3.10E-02
477	UCAR	570830.55	4178278.99	570830.55, 4178278.99	6.82906	0.8762	7.67E-03	3.34E-02	4.11E-02

478	UCAR	570870.55	4178278.99	570870.55, 4178278.99	3.23995	1.19024	3.64E-03	4.54E-02	4.91E-02
479	UCAR	570910.55	4178278.99	570910.55, 4178278.99	2.09965	1.74544	2.36E-03	6.66E-02	6.90E-02
480	UCAR	570950.55	4178278.99	570950.55, 4178278.99	1.57162	2.79702	1.77E-03	1.07E-01	1.09E-01
481	UCAR	571150.55	4178278.99	571150.55, 4178278.99	1.51563	9.77396	1.70E-03	3.73E-01	3.75E-01
482	UCAR	571190.55	4178278.99	571190.55, 4178278.99	2.51544	6.49831	2.83E-03	2.48E-01	2.51E-01
483	UCAR	571230.55	4178278.99	571230.55, 4178278.99	4.86382	4.14956	5.46E-03	1.58E-01	1.64E-01
484	UCAR	571270.55	4178278.99	571270.55, 4178278.99	13.80316	2.86854	1.55E-02	1.10E-01	1.25E-01
485	UCAR	571310.55	4178278.99	571310.55, 4178278.99	5.40108	2.112	6.07E-03	8.06E-02	8.67E-02
486	UCAR	571350.55	4178278.99	571350.55, 4178278.99	3.21169	1.61566	3.61E-03	6.17E-02	6.53E-02
487	UCAR	571390.55	4178278.99	571390.55, 4178278.99	2.16832	1.27307	2.44E-03	4.86E-02	5.10E-02
488	UCAR	571430.55	4178278.99	571430.55, 4178278.99	1.57606	1.02811	1.77E-03	3.92E-02	4.10E-02
489	UCAR	571470.55	4178278.99	571470.55, 4178278.99	1.2032	0.84865	1.35E-03	3.24E-02	3.37E-02
490	UCAR	571510.55	4178278.99	571510.55, 4178278.99	0.94956	0.71013	1.07E-03	2.71E-02	2.82E-02
491	UCAR	571550.55	4178278.99	571550.55, 4178278.99	0.76903	0.60362	8.64E-04	2.30E-02	2.39E-02
492	UCAR	571590.55	4178278.99	571590.55, 4178278.99	0.63661	0.5195	7.15E-04	1.98E-02	2.05E-02
493	UCAR	571630.55	4178278.99	571630.55, 4178278.99	0.53565	0.45116	6.02E-04	1.72E-02	1.78E-02
494	UCAR	571670.55	4178278.99	571670.55, 4178278.99	0.45709	0.39619	5.13E-04	1.51E-02	1.56E-02
495	UCAR	571710.55	4178278.99	571710.55, 4178278.99	0.39443	0.35034	4.43E-04	1.34E-02	1.38E-02
496	UCAR	571750.55	4178278.99	571750.55, 4178278.99	0.34362	0.31171	3.86E-04	1.19E-02	1.23E-02
497	UCAR	571790.55	4178278.99	571790.55, 4178278.99	0.30235	0.27949	3.40E-04	1.07E-02	1.10E-02
498	UCAR	571830.55	4178278.99	571830.55, 4178278.99	0.26807	0.25192	3.01E-04	9.62E-03	9.92E-03
499	UCAR	571870.55	4178278.99	571870.55, 4178278.99	0.23951	0.22831	2.69E-04	8.72E-03	8.98E-03
500	UCAR	570230.55	4178318.99	570230.55, 4178318.99	0.07921	0.06466	8.90E-05	2.47E-03	2.56E-03
501	UCAR	570270.55	4178318.99	570270.55, 4178318.99	0.0892	0.07172	1.00E-04	2.74E-03	2.84E-03
502	UCAR	570310.55	4178318.99	570310.55, 4178318.99	0.10133	0.08012	1.14E-04	3.06E-03	3.17E-03
503	UCAR	570350.55	4178318.99	570350.55, 4178318.99	0.1162	0.09023	1.31E-04	3.44E-03	3.58E-03
504	UCAR	570390.55	4178318.99	570390.55, 4178318.99	0.13461	0.10255	1.51E-04	3.91E-03	4.07E-03
505	UCAR	570430.55	4178318.99	570430.55, 4178318.99	0.15774	0.11776	1.77E-04	4.50E-03	4.67E-03
506	UCAR	570470.55	4178318.99	570470.55, 4178318.99	0.18744	0.13683	2.11E-04	5.22E-03	5.43E-03
507	UCAR	570510.55	4178318.99	570510.55, 4178318.99	0.22672	0.16115	2.55E-04	6.15E-03	6.41E-03
508	UCAR	570550.55	4178318.99	570550.55, 4178318.99	0.28046	0.19274	3.15E-04	7.36E-03	7.67E-03
509	UCAR	570590.55	4178318.99	570590.55, 4178318.99	0.35754	0.23462	4.02E-04	8.96E-03	9.36E-03
510	UCAR	570630.55	4178318.99	570630.55, 4178318.99	0.4755	0.29127	5.34E-04	1.11E-02	1.17E-02
511	UCAR	570670.55	4178318.99	570670.55, 4178318.99	0.67638	0.36883	7.60E-04	1.41E-02	1.48E-02
512	UCAR	570710.55	4178318.99	570710.55, 4178318.99	1.10061	0.47602	1.24E-03	1.82E-02	1.94E-02
513	UCAR	570750.55	4178318.99	570750.55, 4178318.99	2.53872	0.61312	2.85E-03	2.34E-02	2.63E-02
514	UCAR	570790.55	4178318.99	570790.55, 4178318.99	5.45376	0.82881	6.13E-03	3.16E-02	3.78E-02
515	UCAR	570830.55	4178318.99	570830.55, 4178318.99	5.8092	1.16353	6.52E-03	4.44E-02	5.09E-02
516	UCAR	570870.55	4178318.99	570870.55, 4178318.99	3.0129	1.71702	3.38E-03	6.55E-02	6.89E-02
517	UCAR	570910.55	4178318.99	570910.55, 4178318.99	2.04095	2.90632	2.29E-03	1.11E-01	1.13E-01
518	UCAR	571190.55	4178318.99	571190.55, 4178318.99	5.18755	8.00671	5.83E-03	3.06E-01	3.11E-01
519	UCAR	571230.55	4178318.99	571230.55, 4178318.99	14.09938	4.85677	1.58E-02	1.85E-01	2.01E-01
520	UCAR	571270.55	4178318.99	571270.55, 4178318.99	5.52604	3.25814	6.21E-03	1.24E-01	1.31E-01
521	UCAR	571310.55	4178318.99	571310.55, 4178318.99	3.33946	2.34027	3.75E-03	8.93E-02	9.31E-02
522	UCAR	571350.55	4178318.99	571350.55, 4178318.99	2.30011	1.76438	2.58E-03	6.74E-02	6.99E-02
523	UCAR	571390.55	4178318.99	571390.55, 4178318.99	1.69684	1.37843	1.91E-03	5.26E-02	5.45E-02
524	UCAR	571430.55	4178318.99	571430.55, 4178318.99	1.30912	1.10575	1.47E-03	4.22E-02	4.37E-02
525	UCAR	571470.55	4178318.99	571470.55, 4178318.99	1.04249	0.90687	1.17E-03	3.46E-02	3.58E-02
526	UCAR	571510.55	4178318.99	571510.55, 4178318.99	0.85078	0.75672	9.56E-04	2.89E-02	2.98E-02
527	UCAR	571550.55	4178318.99	571550.55, 4178318.99	0.70637	0.64	7.93E-04	2.44E-02	2.52E-02
528	UCAR	571590.55	4178318.99	571590.55, 4178318.99	0.59491	0.54829	6.68E-04	2.09E-02	2.16E-02
529	UCAR	571630.55	4178318.99	571630.55, 4178318.99	0.50829	0.47557	5.71E-04	1.82E-02	1.87E-02
530	UCAR	571670.55	4178318.99	571670.55, 4178318.99	0.43923	0.41623	4.93E-04	1.59E-02	1.64E-02
531	UCAR	571710.55	4178318.99	571710.55, 4178318.99	0.38325	0.36745	4.30E-04	1.40E-02	1.45E-02
532	UCAR	571750.55	4178318.99	571750.55, 4178318.99	0.33741	0.32708	3.79E-04	1.25E-02	1.29E-02
533	UCAR	571790.55	4178318.99	571790.55, 4178318.99	0.29871	0.29237	3.35E-04	1.12E-02	1.15E-02
534	UCAR	571830.55	4178318.99	571830.55, 4178318.99	0.26639	0.26309	2.99E-04	1.00E-02	1.03E-02
535	UCAR	571870.55	4178318.99	571870.55, 4178318.99	0.23936	0.23829	2.69E-04	9.10E-03	9.37E-03
536	UCAR	570230.55	4178358.99	570230.55, 4178358.99	0.08063	0.06545	9.06E-05	2.50E-03	2.59E-03
537	UCAR	570270.55	4178358.99	570270.55, 4178358.99	0.09092	0.07263	1.02E-04	2.77E-03	2.87E-03
538	UCAR	570310.55	4178358.99	570310.55, 4178358.99	0.10341	0.08114	1.16E-04	3.10E-03	3.21E-03

539	UCAR	570350.55	4178358.99	570350.55, 4178358.99	0.11883	0.09153		1.33E-04	3.49E-03	3.63E-03
540	UCAR	570390.55	4178358.99	570390.55, 4178358.99	0.13797	0.10419		1.55E-04	3.98E-03	4.13E-03
541	UCAR	570430.55	4178358.99	570430.55, 4178358.99	0.16203	0.1199		1.82E-04	4.58E-03	4.76E-03
542	UCAR	570470.55	4178358.99	570470.55, 4178358.99	0.19283	0.1397		2.17E-04	5.33E-03	5.55E-03
543	UCAR	570510.55	4178358.99	570510.55, 4178358.99	0.23345	0.1652		2.62E-04	6.31E-03	6.57E-03
544	UCAR	570550.55	4178358.99	570550.55, 4178358.99	0.28909	0.1988		3.25E-04	7.59E-03	7.91E-03
545	UCAR	570590.55	4178358.99	570590.55, 4178358.99	0.36923	0.24435		4.15E-04	9.33E-03	9.74E-03
546	UCAR	570630.55	4178358.99	570630.55, 4178358.99	0.49296	0.3079		5.54E-04	1.18E-02	1.23E-02
547	UCAR	570670.55	4178358.99	570670.55, 4178358.99	0.70645	0.3993		7.93E-04	1.52E-02	1.60E-02
548	UCAR	570710.55	4178358.99	570710.55, 4178358.99	1.16105	0.53497		1.30E-03	2.04E-02	2.17E-02
549	UCAR	570750.55	4178358.99	570750.55, 4178358.99	2.82117	0.73811		3.17E-03	2.82E-02	3.13E-02
550	UCAR	570790.55	4178358.99	570790.55, 4178358.99	11.02716	1.02087		1.24E-02	3.90E-02	5.14E-02
551	UCAR	570830.55	4178358.99	570830.55, 4178358.99	4.89568	1.60397		5.50E-03	6.12E-02	6.67E-02
552	UCAR	570870.55	4178358.99	570870.55, 4178358.99	2.84513	2.75424		3.20E-03	1.05E-01	1.08E-01
553	UCAR	571150.55	4178358.99	571150.55, 4178358.99	6.39837	11.36959		7.19E-03	4.34E-01	4.41E-01
554	UCAR	571190.55	4178358.99	571190.55, 4178358.99	14.31624	7.14277		1.61E-02	2.73E-01	2.89E-01
555	UCAR	571230.55	4178358.99	571230.55, 4178358.99	5.6251	4.55672		6.32E-03	1.74E-01	1.80E-01
556	UCAR	571270.55	4178358.99	571270.55, 4178358.99	3.42131	3.16257		3.84E-03	1.21E-01	1.25E-01
557	UCAR	571310.55	4178358.99	571310.55, 4178358.99	2.38388	2.32338		2.68E-03	8.87E-02	9.14E-02
558	UCAR	571350.55	4178358.99	571350.55, 4178358.99	1.77829	1.77884		2.00E-03	6.79E-02	6.99E-02
559	UCAR	571390.55	4178358.99	571390.55, 4178358.99	1.38407	1.40253		1.55E-03	5.35E-02	5.51E-02
560	UCAR	571430.55	4178358.99	571430.55, 4178358.99	1.11061	1.13219		1.25E-03	4.32E-02	4.45E-02
561	UCAR	571470.55	4178358.99	571470.55, 4178358.99	0.91088	0.9317		1.02E-03	3.56E-02	3.66E-02
562	UCAR	571510.55	4178358.99	571510.55, 4178358.99	0.76075	0.77951		8.54E-04	2.98E-02	3.06E-02
563	UCAR	571550.55	4178358.99	571550.55, 4178358.99	0.64468	0.66089		7.24E-04	2.52E-02	2.60E-02
564	UCAR	571590.55	4178358.99	571590.55, 4178358.99	0.5514	0.56568		6.19E-04	2.16E-02	2.22E-02
565	UCAR	571630.55	4178358.99	571630.55, 4178358.99	0.47686	0.49097		5.36E-04	1.87E-02	1.93E-02
566	UCAR	571670.55	4178358.99	571670.55, 4178358.99	0.4165	0.43007		4.68E-04	1.64E-02	1.69E-02
567	UCAR	571710.55	4178358.99	571710.55, 4178358.99	0.36726	0.38009		4.12E-04	1.45E-02	1.49E-02
568	UCAR	571750.55	4178358.99	571750.55, 4178358.99	0.3258	0.33755		3.66E-04	1.29E-02	1.33E-02
569	UCAR	571790.55	4178358.99	571790.55, 4178358.99	0.29102	0.30201		3.27E-04	1.15E-02	1.19E-02
570	UCAR	571830.55	4178358.99	571830.55, 4178358.99	0.26134	0.27168		2.94E-04	1.04E-02	1.07E-02
571	UCAR	571870.55	4178358.99	571870.55, 4178358.99	0.23617	0.24592		2.65E-04	9.39E-03	9.65E-03
572	UCAR	570230.55	4178398.99	570230.55, 4178398.99	0.08149	0.06572		9.15E-05	2.51E-03	2.60E-03
573	UCAR	570270.55	4178398.99	570270.55, 4178398.99	0.09179	0.07278		1.03E-04	2.78E-03	2.88E-03
574	UCAR	570310.55	4178398.99	570310.55, 4178398.99	0.10482	0.08172		1.18E-04	3.12E-03	3.24E-03
575	UCAR	570350.55	4178398.99	570350.55, 4178398.99	0.12102	0.09283		1.36E-04	3.54E-03	3.68E-03
576	UCAR	570390.55	4178398.99	570390.55, 4178398.99	0.14065	0.10583		1.58E-04	4.04E-03	4.20E-03
577	UCAR	570430.55	4178398.99	570430.55, 4178398.99	0.1653	0.12196		1.86E-04	4.66E-03	4.84E-03
578	UCAR	570470.55	4178398.99	570470.55, 4178398.99	0.19686	0.14239		2.21E-04	5.44E-03	5.66E-03
579	UCAR	570510.55	4178398.99	570510.55, 4178398.99	0.23843	0.16887		2.68E-04	6.45E-03	6.71E-03
580	UCAR	570550.55	4178398.99	570550.55, 4178398.99	0.2953	0.20409		3.32E-04	7.79E-03	8.12E-03
581	UCAR	570590.55	4178398.99	570590.55, 4178398.99	0.37716	0.25248		4.24E-04	9.64E-03	1.01E-02
582	UCAR	570630.55	4178398.99	570630.55, 4178398.99	0.5038	0.32139		5.66E-04	1.23E-02	1.28E-02
583	UCAR	570670.55	4178398.99	570670.55, 4178398.99	0.72449	0.42473		8.14E-04	1.62E-02	1.70E-02
584	UCAR	570710.55	4178398.99	570710.55, 4178398.99	1.18975	0.5898		1.34E-03	2.25E-02	2.39E-02
585	UCAR	570750.55	4178398.99	570750.55, 4178398.99	2.78878	0.85853		3.13E-03	3.28E-02	3.59E-02
586	UCAR	570790.55	4178398.99	570790.55, 4178398.99	5.21698	1.30108		5.86E-03	4.97E-02	5.55E-02
587	UCAR	570830.55	4178398.99	570830.55, 4178398.99	4.69969	2.4667		5.28E-03	9.42E-02	9.94E-02
588	UCAR	571110.55	4178398.99	571110.55, 4178398.99	5.35073	12.18909		6.01E-03	4.65E-01	4.71E-01
589	UCAR	571150.55	4178398.99	571150.55, 4178398.99	14.49931	7.82933		1.63E-02	2.99E-01	3.15E-01
590	UCAR	571190.55	4178398.99	571190.55, 4178398.99	5.69991	5.30821		6.40E-03	2.03E-01	2.09E-01
591	UCAR	571230.55	4178398.99	571230.55, 4178398.99	3.48859	3.76547		3.92E-03	1.44E-01	1.48E-01
592	UCAR	571270.55	4178398.99	571270.55, 4178398.99	2.44269	2.77551		2.74E-03	1.06E-01	1.09E-01
593	UCAR	571310.55	4178398.99	571310.55, 4178398.99	1.83705	2.12183		2.06E-03	8.10E-02	8.31E-02
594	UCAR	571350.55	4178398.99	571350.55, 4178398.99	1.43882	1.67022		1.62E-03	6.38E-02	6.54E-02
595	UCAR	571390.55	4178398.99	571390.55, 4178398.99	1.16149	1.34515		1.30E-03	5.14E-02	5.27E-02
596	UCAR	571430.55	4178398.99	571430.55, 4178398.99	0.95824	1.10289		1.08E-03	4.21E-02	4.32E-02
597	UCAR	571470.55	4178398.99	571470.55, 4178398.99	0.80294	0.91725		9.02E-04	3.50E-02	3.59E-02
598	UCAR	571510.55	4178398.99	571510.55, 4178398.99	0.68266	0.77432		7.67E-04	2.96E-02	3.03E-02
599	UCAR	571550.55	4178398.99	571550.55, 4178398.99	0.58712	0.66039		6.59E-04	2.52E-02	2.59E-02

600	UCAR	571590.55	4178398.99	571590.55, 4178398.99	0.5095	0.56822	5.72E-04	2.17E-02	2.23E-02
601	UCAR	571630.55	4178398.99	571630.55, 4178398.99	0.4454	0.49415	5.00E-04	1.89E-02	1.94E-02
602	UCAR	571670.55	4178398.99	571670.55, 4178398.99	0.39289	0.4345	4.41E-04	1.66E-02	1.70E-02
603	UCAR	571710.55	4178398.99	571710.55, 4178398.99	0.34895	0.38461	3.92E-04	1.47E-02	1.51E-02
604	UCAR	571750.55	4178398.99	571750.55, 4178398.99	0.31158	0.34189	3.50E-04	1.31E-02	1.34E-02
605	UCAR	571790.55	4178398.99	571790.55, 4178398.99	0.28016	0.30611	3.15E-04	1.17E-02	1.20E-02
606	UCAR	571830.55	4178398.99	571830.55, 4178398.99	0.25333	0.27572	2.85E-04	1.05E-02	1.08E-02
607	UCAR	571870.55	4178398.99	571870.55, 4178398.99	0.23047	0.24997	2.59E-04	9.54E-03	9.80E-03
608	UCAR	570230.55	4178438.99	570230.55, 4178438.99	0.0824	0.06623	9.25E-05	2.53E-03	2.62E-03
609	UCAR	570270.55	4178438.99	570270.55, 4178438.99	0.09274	0.07339	1.04E-04	2.80E-03	2.91E-03
610	UCAR	570310.55	4178438.99	570310.55, 4178438.99	0.10572	0.08211	1.19E-04	3.13E-03	3.25E-03
611	UCAR	570350.55	4178438.99	570350.55, 4178438.99	0.1224	0.09353	1.37E-04	3.57E-03	3.71E-03
612	UCAR	570390.55	4178438.99	570390.55, 4178438.99	0.14237	0.1069	1.60E-04	4.08E-03	4.24E-03
613	UCAR	570430.55	4178438.99	570430.55, 4178438.99	0.16765	0.1239	1.88E-04	4.73E-03	4.92E-03
614	UCAR	570470.55	4178438.99	570470.55, 4178438.99	0.19955	0.14484	2.24E-04	5.53E-03	5.75E-03
615	UCAR	570510.55	4178438.99	570510.55, 4178438.99	0.24171	0.17228	2.71E-04	6.58E-03	6.85E-03
616	UCAR	570550.55	4178438.99	570550.55, 4178438.99	0.29908	0.20889	3.36E-04	7.97E-03	8.31E-03
617	UCAR	570590.55	4178438.99	570590.55, 4178438.99	0.38106	0.25948	4.28E-04	9.91E-03	1.03E-02
618	UCAR	570630.55	4178438.99	570630.55, 4178438.99	0.50712	0.33256	5.70E-04	1.27E-02	1.33E-02
619	UCAR	570670.55	4178438.99	570670.55, 4178438.99	0.72553	0.44496	8.15E-04	1.70E-02	1.78E-02
620	UCAR	570710.55	4178438.99	570710.55, 4178438.99	1.18197	0.63316	1.33E-03	2.42E-02	2.55E-02
621	UCAR	570750.55	4178438.99	570750.55, 4178438.99	2.77219	0.96901	3.11E-03	3.70E-02	4.01E-02
622	UCAR	570790.55	4178438.99	570790.55, 4178438.99	4.75718	1.7281	5.34E-03	6.60E-02	7.13E-02
623	UCAR	571070.55	4178438.99	571070.55, 4178438.99	5.07154	9.79903	5.70E-03	3.74E-01	3.80E-01
624	UCAR	571110.55	4178438.99	571110.55, 4178438.99	14.74232	8.56684	1.66E-02	3.27E-01	3.44E-01
625	UCAR	571150.55	4178438.99	571150.55, 4178438.99	5.78678	5.68743	6.50E-03	2.17E-01	2.24E-01
626	UCAR	571190.55	4178438.99	571190.55, 4178438.99	3.54403	4.03659	3.98E-03	1.54E-01	1.58E-01
627	UCAR	571230.55	4178438.99	571230.55, 4178438.99	2.49349	3.02575	2.80E-03	1.16E-01	1.18E-01
628	UCAR	571270.55	4178438.99	571270.55, 4178438.99	1.88465	2.33889	2.12E-03	8.93E-02	9.14E-02
629	UCAR	571310.55	4178438.99	571310.55, 4178438.99	1.48273	1.85236	1.67E-03	7.07E-02	7.24E-02
630	UCAR	571350.55	4178438.99	571350.55, 4178438.99	1.20008	1.49808	1.35E-03	5.72E-02	5.85E-02
631	UCAR	571390.55	4178438.99	571390.55, 4178438.99	0.99459	1.23325	1.12E-03	4.71E-02	4.82E-02
632	UCAR	571430.55	4178438.99	571430.55, 4178438.99	0.83724	1.02892	9.40E-04	3.93E-02	4.02E-02
633	UCAR	571470.55	4178438.99	571470.55, 4178438.99	0.71317	0.86754	8.01E-04	3.31E-02	3.39E-02
634	UCAR	571510.55	4178438.99	571510.55, 4178438.99	0.61536	0.74188	6.91E-04	2.83E-02	2.90E-02
635	UCAR	571550.55	4178438.99	571550.55, 4178438.99	0.53563	0.63937	6.02E-04	2.44E-02	2.50E-02
636	UCAR	571590.55	4178438.99	571590.55, 4178438.99	0.47005	0.55432	5.28E-04	2.12E-02	2.17E-02
637	UCAR	571630.55	4178438.99	571630.55, 4178438.99	0.41494	0.48427	4.66E-04	1.85E-02	1.90E-02
638	UCAR	571670.55	4178438.99	571670.55, 4178438.99	0.36968	0.42835	4.15E-04	1.64E-02	1.68E-02
639	UCAR	571710.55	4178438.99	571710.55, 4178438.99	0.33054	0.38043	3.71E-04	1.45E-02	1.49E-02
640	UCAR	571750.55	4178438.99	571750.55, 4178438.99	0.29708	0.33966	3.34E-04	1.30E-02	1.33E-02
641	UCAR	571790.55	4178438.99	571790.55, 4178438.99	0.26822	0.30457	3.01E-04	1.16E-02	1.19E-02
642	UCAR	571830.55	4178438.99	571830.55, 4178438.99	0.24394	0.27503	2.74E-04	1.05E-02	1.08E-02
643	UCAR	571870.55	4178438.99	571870.55, 4178438.99	0.22289	0.24959	2.50E-04	9.53E-03	9.78E-03
644	UCAR	570230.55	4178478.99	570230.55, 4178478.99	0.08319	0.0668	9.34E-05	2.55E-03	2.64E-03
645	UCAR	570270.55	4178478.99	570270.55, 4178478.99	0.09375	0.0754	1.05E-04	2.88E-03	2.98E-03
646	UCAR	570310.55	4178478.99	570310.55, 4178478.99	0.10683	0.08297	1.20E-04	3.17E-03	3.29E-03
647	UCAR	570350.55	4178478.99	570350.55, 4178478.99	0.12412	0.09506	1.39E-04	3.63E-03	3.77E-03
648	UCAR	570390.55	4178478.99	570390.55, 4178478.99	0.14401	0.10862	1.62E-04	4.15E-03	4.31E-03
649	UCAR	570430.55	4178478.99	570430.55, 4178478.99	0.16811	0.12476	1.89E-04	4.76E-03	4.95E-03
650	UCAR	570470.55	4178478.99	570470.55, 4178478.99	0.19989	0.14605	2.24E-04	5.58E-03	5.80E-03
651	UCAR	570510.55	4178478.99	570510.55, 4178478.99	0.24282	0.17477	2.73E-04	6.67E-03	6.94E-03
652	UCAR	570550.55	4178478.99	570550.55, 4178478.99	0.30067	0.2132	3.38E-04	8.14E-03	8.48E-03
653	UCAR	570590.55	4178478.99	570590.55, 4178478.99	0.38103	0.2656	4.28E-04	1.01E-02	1.06E-02
654	UCAR	570630.55	4178478.99	570630.55, 4178478.99	0.50282	0.34178	5.65E-04	1.30E-02	1.36E-02
655	UCAR	570670.55	4178478.99	570670.55, 4178478.99	0.71018	0.45983	7.98E-04	1.76E-02	1.84E-02
656	UCAR	570710.55	4178478.99	570710.55, 4178478.99	1.14581	0.66134	1.29E-03	2.52E-02	2.65E-02
657	UCAR	570750.55	4178478.99	570750.55, 4178478.99	2.62307	1.06329	2.95E-03	4.06E-02	4.35E-02
658	UCAR	570790.55	4178478.99	570790.55, 4178478.99	7.72685	2.19889	8.68E-03	8.39E-02	9.26E-02
659	UCAR	571030.55	4178478.99	571030.55, 4178478.99	5.26707	10.85632	5.92E-03	4.14E-01	4.20E-01
660	UCAR	571070.55	4178478.99	571070.55, 4178478.99	15.05921	7.8284	1.69E-02	2.99E-01	3.16E-01

661	UCAR	571110.55	4178478.99	571110.55, 4178478.99	5.88554	5.45979	6.61E-03	2.08E-01	2.15E-01
662	UCAR	571150.55	4178478.99	571150.55, 4178478.99	3.60695	4.00893	4.05E-03	1.53E-01	1.57E-01
663	UCAR	571190.55	4178478.99	571190.55, 4178478.99	2.52984	3.044	2.84E-03	1.16E-01	1.19E-01
664	UCAR	571230.55	4178478.99	571230.55, 4178478.99	1.91588	2.39508	2.15E-03	9.14E-02	9.36E-02
665	UCAR	571270.55	4178478.99	571270.55, 4178478.99	1.51565	1.92902	1.70E-03	7.36E-02	7.53E-02
666	UCAR	571310.55	4178478.99	571310.55, 4178478.99	1.23299	1.57767	1.38E-03	6.02E-02	6.16E-02
667	UCAR	571350.55	4178478.99	571350.55, 4178478.99	1.02253	1.30668	1.15E-03	4.99E-02	5.10E-02
668	UCAR	571390.55	4178478.99	571390.55, 4178478.99	0.86367	1.09639	9.70E-04	4.19E-02	4.28E-02
669	UCAR	571430.55	4178478.99	571430.55, 4178478.99	0.73826	0.92929	8.29E-04	3.55E-02	3.63E-02
670	UCAR	571470.55	4178478.99	571470.55, 4178478.99	0.63815	0.79589	7.17E-04	3.04E-02	3.11E-02
671	UCAR	571510.55	4178478.99	571510.55, 4178478.99	0.55672	0.68828	6.25E-04	2.63E-02	2.69E-02
672	UCAR	571550.55	4178478.99	571550.55, 4178478.99	0.48944	0.59926	5.50E-04	2.29E-02	2.34E-02
673	UCAR	571590.55	4178478.99	571590.55, 4178478.99	0.43348	0.52505	4.87E-04	2.00E-02	2.05E-02
674	UCAR	571630.55	4178478.99	571630.55, 4178478.99	0.38626	0.46284	4.34E-04	1.77E-02	1.81E-02
675	UCAR	571670.55	4178478.99	571670.55, 4178478.99	0.34686	0.41186	3.90E-04	1.57E-02	1.61E-02
676	UCAR	571710.55	4178478.99	571710.55, 4178478.99	0.3124	0.36785	3.51E-04	1.40E-02	1.44E-02
677	UCAR	571750.55	4178478.99	571750.55, 4178478.99	0.28254	0.33026	3.17E-04	1.26E-02	1.29E-02
678	UCAR	571790.55	4178478.99	571790.55, 4178478.99	0.2564	0.2976	2.88E-04	1.14E-02	1.16E-02
679	UCAR	571830.55	4178478.99	571830.55, 4178478.99	0.23412	0.26971	2.63E-04	1.03E-02	1.06E-02
680	UCAR	571870.55	4178478.99	571870.55, 4178478.99	0.21478	0.24551	2.41E-04	9.37E-03	9.61E-03
681	UCAR	570230.55	4178518.99	570230.55, 4178518.99	0.08439	0.06798	9.48E-05	2.60E-03	2.69E-03
682	UCAR	570270.55	4178518.99	570270.55, 4178518.99	0.09528	0.07554	1.07E-04	2.88E-03	2.99E-03
683	UCAR	570310.55	4178518.99	570310.55, 4178518.99	0.10852	0.08469	1.22E-04	3.23E-03	3.35E-03
684	UCAR	570350.55	4178518.99	570350.55, 4178518.99	0.12465	0.09599	1.40E-04	3.66E-03	3.80E-03
685	UCAR	570390.55	4178518.99	570390.55, 4178518.99	0.14257	0.10822	1.60E-04	4.13E-03	4.29E-03
686	UCAR	570430.55	4178518.99	570430.55, 4178518.99	0.16676	0.12472	1.87E-04	4.76E-03	4.95E-03
687	UCAR	570470.55	4178518.99	570470.55, 4178518.99	0.19811	0.14612	2.22E-04	5.58E-03	5.80E-03
688	UCAR	570510.55	4178518.99	570510.55, 4178518.99	0.24179	0.17602	2.72E-04	6.72E-03	6.99E-03
689	UCAR	570550.55	4178518.99	570550.55, 4178518.99	0.30093	0.21671	3.38E-04	8.27E-03	8.61E-03
690	UCAR	570590.55	4178518.99	570590.55, 4178518.99	0.37876	0.27036	4.25E-04	1.03E-02	1.07E-02
691	UCAR	570630.55	4178518.99	570630.55, 4178518.99	0.49361	0.34785	5.54E-04	1.33E-02	1.38E-02
692	UCAR	570670.55	4178518.99	570670.55, 4178518.99	0.68602	0.46777	7.70E-04	1.79E-02	1.86E-02
693	UCAR	570710.55	4178518.99	570710.55, 4178518.99	1.07751	0.66999	1.21E-03	2.56E-02	2.68E-02
694	UCAR	570750.55	4178518.99	570750.55, 4178518.99	2.20516	1.05833	2.48E-03	4.04E-02	4.29E-02
695	UCAR	570790.55	4178518.99	570790.55, 4178518.99	4.21926	1.85459	4.74E-03	7.08E-02	7.55E-02
696	UCAR	570990.55	4178518.99	570990.55, 4178518.99	9.09314	11.11866	1.02E-02	4.24E-01	4.35E-01
697	UCAR	571030.55	4178518.99	571030.55, 4178518.99	15.39943	7.07966	1.73E-02	2.70E-01	2.88E-01
698	UCAR	571070.55	4178518.99	571070.55, 4178518.99	5.99586	5.04434	6.73E-03	1.93E-01	1.99E-01
699	UCAR	571110.55	4178518.99	571110.55, 4178518.99	3.67682	3.77681	4.13E-03	1.44E-01	1.48E-01
700	UCAR	571150.55	4178518.99	571150.55, 4178518.99	2.58588	2.93052	2.90E-03	1.12E-01	1.15E-01
701	UCAR	571190.55	4178518.99	571190.55, 4178518.99	1.95262	2.33026	2.19E-03	8.90E-02	9.12E-02
702	UCAR	571230.55	4178518.99	571230.55, 4178518.99	1.53836	1.88781	1.73E-03	7.21E-02	7.38E-02
703	UCAR	571270.55	4178518.99	571270.55, 4178518.99	1.25352	1.5616	1.41E-03	5.96E-02	6.10E-02
704	UCAR	571310.55	4178518.99	571310.55, 4178518.99	1.04546	1.31526	1.17E-03	5.02E-02	5.14E-02
705	UCAR	571350.55	4178518.99	571350.55, 4178518.99	0.8843	1.11545	9.93E-04	4.26E-02	4.36E-02
706	UCAR	571390.55	4178518.99	571390.55, 4178518.99	0.75829	0.95301	8.52E-04	3.64E-02	3.72E-02
707	UCAR	571430.55	4178518.99	571430.55, 4178518.99	0.65707	0.82067	7.38E-04	3.13E-02	3.21E-02
708	UCAR	571470.55	4178518.99	571470.55, 4178518.99	0.57442	0.71265	6.45E-04	2.72E-02	2.79E-02
709	UCAR	571510.55	4178518.99	571510.55, 4178518.99	0.50582	0.62291	5.68E-04	2.38E-02	2.43E-02
710	UCAR	571550.55	4178518.99	571550.55, 4178518.99	0.44845	0.54796	5.04E-04	2.09E-02	2.14E-02
711	UCAR	571590.55	4178518.99	571590.55, 4178518.99	0.40036	0.48571	4.50E-04	1.85E-02	1.90E-02
712	UCAR	571630.55	4178518.99	571630.55, 4178518.99	0.35945	0.43242	4.04E-04	1.65E-02	1.69E-02
713	UCAR	571670.55	4178518.99	571670.55, 4178518.99	0.32474	0.38737	3.65E-04	1.48E-02	1.52E-02
714	UCAR	571710.55	4178518.99	571710.55, 4178518.99	0.2944	0.34827	3.31E-04	1.33E-02	1.36E-02
715	UCAR	571750.55	4178518.99	571750.55, 4178518.99	0.26778	0.31453	3.01E-04	1.20E-02	1.23E-02
716	UCAR	571790.55	4178518.99	571790.55, 4178518.99	0.24447	0.28537	2.75E-04	1.09E-02	1.12E-02
717	UCAR	571830.55	4178518.99	571830.55, 4178518.99	0.22402	0.25989	2.52E-04	9.92E-03	1.02E-02
718	UCAR	571870.55	4178518.99	571870.55, 4178518.99	0.20624	0.23769	2.32E-04	9.07E-03	9.31E-03
719	UCAR	570230.55	4178558.99	570230.55, 4178558.99	0.08493	0.06887	9.54E-05	2.63E-03	2.72E-03
720	UCAR	570270.55	4178558.99	570270.55, 4178558.99	0.09599	0.07674	1.08E-04	2.93E-03	3.04E-03
721	UCAR	570310.55	4178558.99	570310.55, 4178558.99	0.10927	0.08607	1.23E-04	3.29E-03	3.41E-03

722	UCAR	570350.55	4178558.99	570350.55, 4178558.99	0.12419	0.0964	1.39E-04	3.68E-03	3.82E-03
723	UCAR	570390.55	4178558.99	570390.55, 4178558.99	0.14258	0.10916	1.60E-04	4.17E-03	4.33E-03
724	UCAR	570430.55	4178558.99	570430.55, 4178558.99	0.16698	0.12605	1.88E-04	4.81E-03	5.00E-03
725	UCAR	570470.55	4178558.99	570470.55, 4178558.99	0.19798	0.14751	2.22E-04	5.63E-03	5.85E-03
726	UCAR	570510.55	4178558.99	570510.55, 4178558.99	0.24035	0.17694	2.70E-04	6.75E-03	7.02E-03
727	UCAR	570550.55	4178558.99	570550.55, 4178558.99	0.29992	0.21858	3.37E-04	8.34E-03	8.68E-03
728	UCAR	570590.55	4178558.99	570590.55, 4178558.99	0.37668	0.27298	4.23E-04	1.04E-02	1.08E-02
729	UCAR	570630.55	4178558.99	570630.55, 4178558.99	0.48529	0.34954	5.45E-04	1.33E-02	1.39E-02
730	UCAR	570670.55	4178558.99	570670.55, 4178558.99	0.65907	0.46507	7.40E-04	1.78E-02	1.85E-02
731	UCAR	570710.55	4178558.99	570710.55, 4178558.99	0.98683	0.65054	1.11E-03	2.48E-02	2.59E-02
732	UCAR	570750.55	4178558.99	570750.55, 4178558.99	1.80652	0.96828	2.03E-03	3.70E-02	3.90E-02
733	UCAR	570790.55	4178558.99	570790.55, 4178558.99	5.40882	1.39047	6.07E-03	5.31E-02	5.92E-02
734	UCAR	570830.55	4178558.99	570830.55, 4178558.99	9.75343	2.5337	1.10E-02	9.67E-02	1.08E-01
735	UCAR	570950.55	4178558.99	570950.55, 4178558.99	6.17721	8.59271	6.94E-03	3.28E-01	3.35E-01
736	UCAR	570990.55	4178558.99	570990.55, 4178558.99	15.73131	6.01681	1.77E-02	2.30E-01	2.47E-01
737	UCAR	571030.55	4178558.99	571030.55, 4178558.99	6.13958	4.37928	6.90E-03	1.67E-01	1.74E-01
738	UCAR	571070.55	4178558.99	571070.55, 4178558.99	3.75752	3.33679	4.22E-03	1.27E-01	1.32E-01
739	UCAR	571110.55	4178558.99	571110.55, 4178558.99	2.63706	2.63667	2.96E-03	1.01E-01	1.04E-01
740	UCAR	571150.55	4178558.99	571150.55, 4178558.99	1.98812	2.13994	2.23E-03	8.17E-02	8.39E-02
741	UCAR	571190.55	4178558.99	571190.55, 4178558.99	1.56893	1.77264	1.76E-03	6.77E-02	6.94E-02
742	UCAR	571230.55	4178558.99	571230.55, 4178558.99	1.2773	1.48608	1.43E-03	5.67E-02	5.82E-02
743	UCAR	571270.55	4178558.99	571270.55, 4178558.99	1.06219	1.25642	1.19E-03	4.80E-02	4.92E-02
744	UCAR	571310.55	4178558.99	571310.55, 4178558.99	0.89992	1.07765	1.01E-03	4.11E-02	4.22E-02
745	UCAR	571350.55	4178558.99	571350.55, 4178558.99	0.77271	0.93323	8.68E-04	3.56E-02	3.65E-02
746	UCAR	571390.55	4178558.99	571390.55, 4178558.99	0.67096	0.81214	7.54E-04	3.10E-02	3.18E-02
747	UCAR	571430.55	4178558.99	571430.55, 4178558.99	0.58811	0.71123	6.61E-04	2.72E-02	2.78E-02
748	UCAR	571470.55	4178558.99	571470.55, 4178558.99	0.51899	0.62595	5.83E-04	2.39E-02	2.45E-02
749	UCAR	571510.55	4178558.99	571510.55, 4178558.99	0.46079	0.55342	5.18E-04	2.11E-02	2.16E-02
750	UCAR	571550.55	4178558.99	571550.55, 4178558.99	0.41164	0.49246	4.62E-04	1.88E-02	1.93E-02
751	UCAR	571590.55	4178558.99	571590.55, 4178558.99	0.36991	0.44092	4.15E-04	1.68E-02	1.72E-02
752	UCAR	571630.55	4178558.99	571630.55, 4178558.99	0.33404	0.39607	3.75E-04	1.51E-02	1.55E-02
753	UCAR	571670.55	4178558.99	571670.55, 4178558.99	0.30339	0.35773	3.41E-04	1.37E-02	1.40E-02
754	UCAR	571710.55	4178558.99	571710.55, 4178558.99	0.27662	0.32411	3.11E-04	1.24E-02	1.27E-02
755	UCAR	571750.55	4178558.99	571750.55, 4178558.99	0.25236	0.29385	2.83E-04	1.12E-02	1.15E-02
756	UCAR	571790.55	4178558.99	571790.55, 4178558.99	0.23176	0.26854	2.60E-04	1.03E-02	1.05E-02
757	UCAR	571830.55	4178558.99	571830.55, 4178558.99	0.21346	0.24625	2.40E-04	9.40E-03	9.64E-03
758	UCAR	571870.55	4178558.99	571870.55, 4178558.99	0.19708	0.22634	2.21E-04	8.64E-03	8.86E-03
759	UCAR	570230.55	4178598.99	570230.55, 4178598.99	0.08498	0.06945	9.54E-05	2.65E-03	2.75E-03
760	UCAR	570270.55	4178598.99	570270.55, 4178598.99	0.0959	0.0774	1.08E-04	2.95E-03	3.06E-03
761	UCAR	570310.55	4178598.99	570310.55, 4178598.99	0.10902	0.08684	1.22E-04	3.32E-03	3.44E-03
762	UCAR	570350.55	4178598.99	570350.55, 4178598.99	0.12408	0.09747	1.39E-04	3.72E-03	3.86E-03
763	UCAR	570390.55	4178598.99	570390.55, 4178598.99	0.14228	0.1103	1.60E-04	4.21E-03	4.37E-03
764	UCAR	570430.55	4178598.99	570430.55, 4178598.99	0.16649	0.12727	1.87E-04	4.86E-03	5.05E-03
765	UCAR	570470.55	4178598.99	570470.55, 4178598.99	0.1976	0.14897	2.22E-04	5.69E-03	5.91E-03
766	UCAR	570510.55	4178598.99	570510.55, 4178598.99	0.24067	0.17879	2.70E-04	6.83E-03	7.10E-03
767	UCAR	570550.55	4178598.99	570550.55, 4178598.99	0.29984	0.21961	3.37E-04	8.38E-03	8.72E-03
768	UCAR	570590.55	4178598.99	570590.55, 4178598.99	0.37557	0.27224	4.22E-04	1.04E-02	1.08E-02
769	UCAR	570630.55	4178598.99	570630.55, 4178598.99	0.48001	0.34437	5.39E-04	1.31E-02	1.37E-02
770	UCAR	570670.55	4178598.99	570670.55, 4178598.99	0.64152	0.44954	7.20E-04	1.72E-02	1.79E-02
771	UCAR	570710.55	4178598.99	570710.55, 4178598.99	0.91723	0.60421	1.03E-03	2.31E-02	2.41E-02
772	UCAR	570750.55	4178598.99	570750.55, 4178598.99	1.49919	0.84238	1.68E-03	3.22E-02	3.38E-02
773	UCAR	570790.55	4178598.99	570790.55, 4178598.99	3.48476	1.16514	3.91E-03	4.45E-02	4.84E-02
774	UCAR	570830.55	4178598.99	570830.55, 4178598.99	5.36184	1.83502	6.02E-03	7.01E-02	7.61E-02
775	UCAR	570870.55	4178598.99	570870.55, 4178598.99	7.3349	3.0713	8.24E-03	1.17E-01	1.25E-01
776	UCAR	570910.55	4178598.99	570910.55, 4178598.99	6.605	4.41698	7.42E-03	1.69E-01	1.76E-01
777	UCAR	570950.55	4178598.99	570950.55, 4178598.99	16.24052	3.94745	1.82E-02	1.51E-01	1.69E-01
778	UCAR	570990.55	4178598.99	570990.55, 4178598.99	6.34311	3.1877	7.12E-03	1.22E-01	1.29E-01
779	UCAR	571030.55	4178598.99	571030.55, 4178598.99	3.86719	2.60335	4.34E-03	9.94E-02	1.04E-01
780	UCAR	571070.55	4178598.99	571070.55, 4178598.99	2.69774	2.16311	3.03E-03	8.26E-02	8.56E-02
781	UCAR	571110.55	4178598.99	571110.55, 4178598.99	2.02202	1.81955	2.27E-03	6.95E-02	7.17E-02
782	UCAR	571150.55	4178598.99	571150.55, 4178598.99	1.58967	1.5466	1.79E-03	5.90E-02	6.08E-02

783	UCAR	571190.55	4178598.99	571190.55, 4178598.99	1.2934	1.32889	1.45E-03	5.07E-02	5.22E-02
784	UCAR	571230.55	4178598.99	571230.55, 4178598.99	1.07655	1.14965	1.21E-03	4.39E-02	4.51E-02
785	UCAR	571270.55	4178598.99	571270.55, 4178598.99	0.91164	1.00024	1.02E-03	3.82E-02	3.92E-02
786	UCAR	571310.55	4178598.99	571310.55, 4178598.99	0.78198	0.8733	8.78E-04	3.33E-02	3.42E-02
787	UCAR	571350.55	4178598.99	571350.55, 4178598.99	0.67865	0.76843	7.62E-04	2.93E-02	3.01E-02
788	UCAR	571390.55	4178598.99	571390.55, 4178598.99	0.59579	0.68092	6.69E-04	2.60E-02	2.67E-02
789	UCAR	571430.55	4178598.99	571430.55, 4178598.99	0.52705	0.60601	5.92E-04	2.31E-02	2.37E-02
790	UCAR	571470.55	4178598.99	571470.55, 4178598.99	0.46901	0.54112	5.27E-04	2.07E-02	2.12E-02
791	UCAR	571510.55	4178598.99	571510.55, 4178598.99	0.41967	0.48498	4.71E-04	1.85E-02	1.90E-02
792	UCAR	571550.55	4178598.99	571550.55, 4178598.99	0.37743	0.43627	4.24E-04	1.67E-02	1.71E-02
793	UCAR	571590.55	4178598.99	571590.55, 4178598.99	0.34106	0.39396	3.83E-04	1.50E-02	1.54E-02
794	UCAR	571630.55	4178598.99	571630.55, 4178598.99	0.3095	0.35694	3.48E-04	1.36E-02	1.40E-02
795	UCAR	571670.55	4178598.99	571670.55, 4178598.99	0.2823	0.32491	3.17E-04	1.24E-02	1.27E-02
796	UCAR	571710.55	4178598.99	571710.55, 4178598.99	0.25826	0.29621	2.90E-04	1.13E-02	1.16E-02
797	UCAR	571750.55	4178598.99	571750.55, 4178598.99	0.23704	0.27092	2.66E-04	1.03E-02	1.06E-02
798	UCAR	571790.55	4178598.99	571790.55, 4178598.99	0.21871	0.2492	2.46E-04	9.51E-03	9.76E-03
799	UCAR	571830.55	4178598.99	571830.55, 4178598.99	0.2024	0.23003	2.27E-04	8.78E-03	9.01E-03
800	UCAR	571870.55	4178598.99	571870.55, 4178598.99	0.18743	0.21249	2.11E-04	8.11E-03	8.32E-03
801	UCAR	570230.55	4178638.99	570230.55, 4178638.99	0.08484	0.07002	9.53E-05	2.67E-03	2.77E-03
802	UCAR	570270.55	4178638.99	570270.55, 4178638.99	0.09552	0.07806	1.07E-04	2.98E-03	3.09E-03
803	UCAR	570310.55	4178638.99	570310.55, 4178638.99	0.10845	0.08766	1.22E-04	3.35E-03	3.47E-03
804	UCAR	570350.55	4178638.99	570350.55, 4178638.99	0.12374	0.09878	1.39E-04	3.77E-03	3.91E-03
805	UCAR	570390.55	4178638.99	570390.55, 4178638.99	0.14181	0.11174	1.59E-04	4.27E-03	4.42E-03
806	UCAR	570430.55	4178638.99	570430.55, 4178638.99	0.16549	0.12852	1.86E-04	4.91E-03	5.09E-03
807	UCAR	570470.55	4178638.99	570470.55, 4178638.99	0.19744	0.15074	2.22E-04	5.75E-03	5.98E-03
808	UCAR	570510.55	4178638.99	570510.55, 4178638.99	0.24135	0.18047	2.71E-04	6.89E-03	7.16E-03
809	UCAR	570550.55	4178638.99	570550.55, 4178638.99	0.29932	0.21856	3.36E-04	8.34E-03	8.68E-03
810	UCAR	570590.55	4178638.99	570590.55, 4178638.99	0.37508	0.26689	4.21E-04	1.02E-02	1.06E-02
811	UCAR	570630.55	4178638.99	570630.55, 4178638.99	0.48317	0.33295	5.43E-04	1.27E-02	1.33E-02
812	UCAR	570670.55	4178638.99	570670.55, 4178638.99	0.64326	0.42216	7.22E-04	1.61E-02	1.68E-02
813	UCAR	570710.55	4178638.99	570710.55, 4178638.99	0.90251	0.54262	1.01E-03	2.07E-02	2.17E-02
814	UCAR	570750.55	4178638.99	570750.55, 4178638.99	1.36916	0.70628	1.54E-03	2.70E-02	2.85E-02
815	UCAR	570790.55	4178638.99	570790.55, 4178638.99	2.44592	0.92978	2.75E-03	3.55E-02	3.82E-02
816	UCAR	570830.55	4178638.99	570830.55, 4178638.99	5.46206	1.25305	6.13E-03	4.78E-02	5.40E-02
817	UCAR	570870.55	4178638.99	570870.55, 4178638.99	9.2506	1.61326	1.04E-02	6.16E-02	7.20E-02
818	UCAR	570910.55	4178638.99	570910.55, 4178638.99	16.91453	1.85649	1.90E-02	7.09E-02	8.99E-02
819	UCAR	570950.55	4178638.99	570950.55, 4178638.99	6.53048	1.85899	7.33E-03	7.10E-02	7.83E-02
820	UCAR	570990.55	4178638.99	570990.55, 4178638.99	3.9405	1.73701	4.43E-03	6.63E-02	7.07E-02
821	UCAR	571030.55	4178638.99	571030.55, 4178638.99	2.72744	1.57571	3.06E-03	6.02E-02	6.32E-02
822	UCAR	571070.55	4178638.99	571070.55, 4178638.99	2.03571	1.40997	2.29E-03	5.38E-02	5.61E-02
823	UCAR	571110.55	4178638.99	571110.55, 4178638.99	1.59441	1.25367	1.79E-03	4.79E-02	4.96E-02
824	UCAR	571150.55	4178638.99	571150.55, 4178638.99	1.29259	1.11294	1.45E-03	4.25E-02	4.39E-02
825	UCAR	571190.55	4178638.99	571190.55, 4178638.99	1.0757	0.98938	1.21E-03	3.78E-02	3.90E-02
826	UCAR	571230.55	4178638.99	571230.55, 4178638.99	0.91192	0.88103	1.02E-03	3.36E-02	3.47E-02
827	UCAR	571270.55	4178638.99	571270.55, 4178638.99	0.78389	0.78616	8.80E-04	3.00E-02	3.09E-02
828	UCAR	571310.55	4178638.99	571310.55, 4178638.99	0.68096	0.70241	7.65E-04	2.68E-02	2.76E-02
829	UCAR	571350.55	4178638.99	571350.55, 4178638.99	0.59724	0.62903	6.71E-04	2.40E-02	2.47E-02
830	UCAR	571390.55	4178638.99	571390.55, 4178638.99	0.52869	0.56586	5.94E-04	2.16E-02	2.22E-02
831	UCAR	571430.55	4178638.99	571430.55, 4178638.99	0.47158	0.51094	5.30E-04	1.95E-02	2.00E-02
832	UCAR	571470.55	4178638.99	571470.55, 4178638.99	0.42282	0.46229	4.75E-04	1.76E-02	1.81E-02
833	UCAR	571510.55	4178638.99	571510.55, 4178638.99	0.38073	0.41892	4.28E-04	1.60E-02	1.64E-02
834	UCAR	571550.55	4178638.99	571550.55, 4178638.99	0.34486	0.38146	3.87E-04	1.46E-02	1.49E-02
835	UCAR	571590.55	4178638.99	571590.55, 4178638.99	0.31356	0.34823	3.52E-04	1.33E-02	1.36E-02
836	UCAR	571630.55	4178638.99	571630.55, 4178638.99	0.28598	0.31829	3.21E-04	1.22E-02	1.25E-02
837	UCAR	571670.55	4178638.99	571670.55, 4178638.99	0.26148	0.29125	2.94E-04	1.11E-02	1.14E-02
838	UCAR	571710.55	4178638.99	571710.55, 4178638.99	0.2403	0.26777	2.70E-04	1.02E-02	1.05E-02
839	UCAR	571750.55	4178638.99	571750.55, 4178638.99	0.22174	0.24697	2.49E-04	9.43E-03	9.68E-03
840	UCAR	571790.55	4178638.99	571790.55, 4178638.99	0.20563	0.22886	2.31E-04	8.74E-03	8.97E-03
841	UCAR	571830.55	4178638.99	571830.55, 4178638.99	0.1908	0.21217	2.14E-04	8.10E-03	8.31E-03
842	UCAR	571870.55	4178638.99	571870.55, 4178638.99	0.17749	0.19725	1.99E-04	7.53E-03	7.73E-03
843	UCAR	570230.55	4178678.99	570230.55, 4178678.99	0.08455	0.07056	9.50E-05	2.69E-03	2.79E-03

844	UCAR	570270.55	4178678.99	570270.55, 4178678.99	0.09498	0.07866	1.07E-04	3.00E-03	3.11E-03
845	UCAR	570310.55	4178678.99	570310.55, 4178678.99	0.10757	0.08832	1.21E-04	3.37E-03	3.49E-03
846	UCAR	570350.55	4178678.99	570350.55, 4178678.99	0.12288	0.09984	1.38E-04	3.81E-03	3.95E-03
847	UCAR	570390.55	4178678.99	570390.55, 4178678.99	0.14168	0.11366	1.59E-04	4.34E-03	4.50E-03
848	UCAR	570430.55	4178678.99	570430.55, 4178678.99	0.16563	0.13075	1.86E-04	4.99E-03	5.18E-03
849	UCAR	570470.55	4178678.99	570470.55, 4178678.99	0.19704	0.15228	2.21E-04	5.81E-03	6.03E-03
850	UCAR	570510.55	4178678.99	570510.55, 4178678.99	0.23949	0.1798	2.69E-04	6.86E-03	7.13E-03
851	UCAR	570550.55	4178678.99	570550.55, 4178678.99	0.29644	0.21391	3.33E-04	8.17E-03	8.50E-03
852	UCAR	570590.55	4178678.99	570590.55, 4178678.99	0.37771	0.25785	4.24E-04	9.84E-03	1.03E-02
853	UCAR	570630.55	4178678.99	570630.55, 4178678.99	0.49584	0.31409	5.57E-04	1.20E-02	1.25E-02
854	UCAR	570670.55	4178678.99	570670.55, 4178678.99	0.67375	0.38503	7.57E-04	1.47E-02	1.55E-02
855	UCAR	570710.55	4178678.99	570710.55, 4178678.99	0.96601	0.47346	1.08E-03	1.81E-02	1.92E-02
856	UCAR	570750.55	4178678.99	570750.55, 4178678.99	1.50366	0.58325	1.69E-03	2.23E-02	2.40E-02
857	UCAR	570790.55	4178678.99	570790.55, 4178678.99	2.74023	0.7174	3.08E-03	2.74E-02	3.05E-02
858	UCAR	570830.55	4178678.99	570830.55, 4178678.99	8.83735	0.8678	9.93E-03	3.31E-02	4.31E-02
859	UCAR	570870.55	4178678.99	570870.55, 4178678.99	16.29631	1.00863	1.83E-02	3.85E-02	5.68E-02
860	UCAR	570910.55	4178678.99	570910.55, 4178678.99	6.22455	1.09714	6.99E-03	4.19E-02	4.89E-02
861	UCAR	570950.55	4178678.99	570950.55, 4178678.99	3.78058	1.11248	4.25E-03	4.25E-02	4.67E-02
862	UCAR	570990.55	4178678.99	570990.55, 4178678.99	2.63432	1.08472	2.96E-03	4.14E-02	4.44E-02
863	UCAR	571030.55	4178678.99	571030.55, 4178678.99	1.97429	1.02941	2.22E-03	3.93E-02	4.15E-02
864	UCAR	571070.55	4178678.99	571070.55, 4178678.99	1.55232	0.96026	1.74E-03	3.67E-02	3.84E-02
865	UCAR	571110.55	4178678.99	571110.55, 4178678.99	1.26327	0.88615	1.42E-03	3.38E-02	3.52E-02
866	UCAR	571150.55	4178678.99	571150.55, 4178678.99	1.05396	0.81248	1.18E-03	3.10E-02	3.22E-02
867	UCAR	571190.55	4178678.99	571190.55, 4178678.99	0.89597	0.74251	1.01E-03	2.83E-02	2.94E-02
868	UCAR	571230.55	4178678.99	571230.55, 4178678.99	0.7726	0.67745	8.68E-04	2.59E-02	2.67E-02
869	UCAR	571270.55	4178678.99	571270.55, 4178678.99	0.67334	0.61766	7.56E-04	2.36E-02	2.43E-02
870	UCAR	571310.55	4178678.99	571310.55, 4178678.99	0.59194	0.56319	6.65E-04	2.15E-02	2.22E-02
871	UCAR	571350.55	4178678.99	571350.55, 4178678.99	0.52463	0.51347	5.89E-04	1.96E-02	2.02E-02
872	UCAR	571390.55	4178678.99	571390.55, 4178678.99	0.46845	0.46845	5.26E-04	1.79E-02	1.84E-02
873	UCAR	571430.55	4178678.99	571430.55, 4178678.99	0.42102	0.42859	4.73E-04	1.64E-02	1.68E-02
874	UCAR	571470.55	4178678.99	571470.55, 4178678.99	0.38031	0.39284	4.27E-04	1.50E-02	1.54E-02
875	UCAR	571510.55	4178678.99	571510.55, 4178678.99	0.34445	0.35974	3.87E-04	1.37E-02	1.41E-02
876	UCAR	571550.55	4178678.99	571550.55, 4178678.99	0.31339	0.33028	3.52E-04	1.26E-02	1.30E-02
877	UCAR	571590.55	4178678.99	571590.55, 4178678.99	0.28667	0.30443	3.22E-04	1.16E-02	1.19E-02
878	UCAR	571630.55	4178678.99	571630.55, 4178678.99	0.2633	0.28143	2.96E-04	1.07E-02	1.10E-02
879	UCAR	571670.55	4178678.99	571670.55, 4178678.99	0.24219	0.26006	2.72E-04	9.93E-03	1.02E-02
880	UCAR	571710.55	4178678.99	571710.55, 4178678.99	0.2232	0.24045	2.51E-04	9.18E-03	9.43E-03
881	UCAR	571750.55	4178678.99	571750.55, 4178678.99	0.20679	0.22333	2.32E-04	8.53E-03	8.76E-03
882	UCAR	571790.55	4178678.99	571790.55, 4178678.99	0.19242	0.20818	2.16E-04	7.95E-03	8.16E-03
883	UCAR	571830.55	4178678.99	571830.55, 4178678.99	0.1791	0.19398	2.01E-04	7.41E-03	7.61E-03
884	UCAR	571870.55	4178678.99	571870.55, 4178678.99	0.16715	0.18126	1.88E-04	6.92E-03	7.11E-03
885	UCAR	570230.55	4178718.99	570230.55, 4178718.99	0.08413	0.07107	9.45E-05	2.71E-03	2.81E-03
886	UCAR	570270.55	4178718.99	570270.55, 4178718.99	0.0943	0.07916	1.06E-04	3.02E-03	3.13E-03
887	UCAR	570310.55	4178718.99	570310.55, 4178718.99	0.10654	0.08876	1.20E-04	3.39E-03	3.51E-03
888	UCAR	570350.55	4178718.99	570350.55, 4178718.99	0.12144	0.10023	1.36E-04	3.83E-03	3.96E-03
889	UCAR	570390.55	4178718.99	570390.55, 4178718.99	0.13988	0.11402	1.57E-04	4.35E-03	4.51E-03
890	UCAR	570430.55	4178718.99	570430.55, 4178718.99	0.1632	0.13072	1.83E-04	4.99E-03	5.17E-03
891	UCAR	570470.55	4178718.99	570470.55, 4178718.99	0.19343	0.15102	2.17E-04	5.77E-03	5.98E-03
892	UCAR	570510.55	4178718.99	570510.55, 4178718.99	0.23403	0.17575	2.63E-04	6.71E-03	6.97E-03
893	UCAR	570550.55	4178718.99	570550.55, 4178718.99	0.29222	0.2065	3.28E-04	7.88E-03	8.21E-03
894	UCAR	570590.55	4178718.99	570590.55, 4178718.99	0.38028	0.24424	4.27E-04	9.32E-03	9.75E-03
895	UCAR	570630.55	4178718.99	570630.55, 4178718.99	0.52135	0.28966	5.86E-04	1.11E-02	1.16E-02
896	UCAR	570670.55	4178718.99	570670.55, 4178718.99	0.75757	0.34353	8.51E-04	1.31E-02	1.40E-02
897	UCAR	570710.55	4178718.99	570710.55, 4178718.99	1.19636	0.40558	1.34E-03	1.55E-02	1.68E-02
898	UCAR	570750.55	4178718.99	570750.55, 4178718.99	2.25937	0.47553	2.54E-03	1.82E-02	2.07E-02
899	UCAR	570790.55	4178718.99	570790.55, 4178718.99	5.20016	0.55243	5.84E-03	2.11E-02	2.69E-02
900	UCAR	570830.55	4178718.99	570830.55, 4178718.99	15.87166	0.63015	1.78E-02	2.41E-02	4.19E-02
901	UCAR	570870.55	4178718.99	570870.55, 4178718.99	5.81877	0.69972	6.54E-03	2.67E-02	3.32E-02
902	UCAR	570910.55	4178718.99	570910.55, 4178718.99	3.49847	0.74302	3.93E-03	2.84E-02	3.23E-02
903	UCAR	570950.55	4178718.99	570950.55, 4178718.99	2.44444	0.75595	2.75E-03	2.89E-02	3.16E-02
904	UCAR	570990.55	4178718.99	570990.55, 4178718.99	1.84331	0.74775	2.07E-03	2.85E-02	3.06E-02

905	UCAR	571030.55	4178718.99	571030.55, 4178718.99	1.45951	0.72497	1.64E-03	2.77E-02	2.93E-02
906	UCAR	571070.55	4178718.99	571070.55, 4178718.99	1.19629	0.69163	1.34E-03	2.64E-02	2.77E-02
907	UCAR	571110.55	4178718.99	571110.55, 4178718.99	1.00545	0.6521	1.13E-03	2.49E-02	2.60E-02
908	UCAR	571150.55	4178718.99	571150.55, 4178718.99	0.86028	0.61037	9.66E-04	2.33E-02	2.43E-02
909	UCAR	571190.55	4178718.99	571190.55, 4178718.99	0.74611	0.56877	8.38E-04	2.17E-02	2.26E-02
910	UCAR	571230.55	4178718.99	571230.55, 4178718.99	0.65365	0.52841	7.34E-04	2.02E-02	2.09E-02
911	UCAR	571270.55	4178718.99	571270.55, 4178718.99	0.5769	0.48977	6.48E-04	1.87E-02	1.93E-02
912	UCAR	571310.55	4178718.99	571310.55, 4178718.99	0.51283	0.4534	5.76E-04	1.73E-02	1.79E-02
913	UCAR	571350.55	4178718.99	571350.55, 4178718.99	0.45915	0.41956	5.16E-04	1.60E-02	1.65E-02
914	UCAR	571390.55	4178718.99	571390.55, 4178718.99	0.41388	0.38851	4.65E-04	1.48E-02	1.53E-02
915	UCAR	571430.55	4178718.99	571430.55, 4178718.99	0.37476	0.35942	4.21E-04	1.37E-02	1.41E-02
916	UCAR	571470.55	4178718.99	571470.55, 4178718.99	0.34079	0.33298	3.83E-04	1.27E-02	1.31E-02
917	UCAR	571510.55	4178718.99	571510.55, 4178718.99	0.31059	0.30815	3.49E-04	1.18E-02	1.21E-02
918	UCAR	571550.55	4178718.99	571550.55, 4178718.99	0.28421	0.28568	3.19E-04	1.09E-02	1.12E-02
919	UCAR	571590.55	4178718.99	571590.55, 4178718.99	0.26123	0.26548	2.93E-04	1.01E-02	1.04E-02
920	UCAR	571630.55	4178718.99	571630.55, 4178718.99	0.24098	0.24716	2.71E-04	9.44E-03	9.71E-03
921	UCAR	571670.55	4178718.99	571670.55, 4178718.99	0.22283	0.2303	2.50E-04	8.79E-03	9.04E-03
922	UCAR	571710.55	4178718.99	571710.55, 4178718.99	0.2068	0.21511	2.32E-04	8.21E-03	8.44E-03
923	UCAR	571750.55	4178718.99	571750.55, 4178718.99	0.19217	0.2009	2.16E-04	7.67E-03	7.89E-03
924	UCAR	571790.55	4178718.99	571790.55, 4178718.99	0.17909	0.18796	2.01E-04	7.18E-03	7.38E-03
925	UCAR	571830.55	4178718.99	571830.55, 4178718.99	0.1675	0.17638	1.88E-04	6.73E-03	6.92E-03
926	UCAR	571870.55	4178718.99	571870.55, 4178718.99	0.15696	0.16577	1.76E-04	6.33E-03	6.50E-03
927	UCAR	570230.55	4178758.99	570230.55, 4178758.99	0.08359	0.07145	9.39E-05	2.73E-03	2.82E-03
928	UCAR	570270.55	4178758.99	570270.55, 4178758.99	0.0935	0.07946	1.05E-04	3.03E-03	3.14E-03
929	UCAR	570310.55	4178758.99	570310.55, 4178758.99	0.10537	0.08886	1.18E-04	3.39E-03	3.51E-03
930	UCAR	570350.55	4178758.99	570350.55, 4178758.99	0.11977	0.09998	1.35E-04	3.82E-03	3.95E-03
931	UCAR	570390.55	4178758.99	570390.55, 4178758.99	0.13753	0.11315	1.54E-04	4.32E-03	4.47E-03
932	UCAR	570430.55	4178758.99	570430.55, 4178758.99	0.15986	0.12882	1.80E-04	4.92E-03	5.10E-03
933	UCAR	570470.55	4178758.99	570470.55, 4178758.99	0.1886	0.14733	2.12E-04	5.62E-03	5.84E-03
934	UCAR	570510.55	4178758.99	570510.55, 4178758.99	0.22793	0.16964	2.56E-04	6.48E-03	6.73E-03
935	UCAR	570550.55	4178758.99	570550.55, 4178758.99	0.28533	0.19619	3.20E-04	7.49E-03	7.81E-03
936	UCAR	570590.55	4178758.99	570590.55, 4178758.99	0.37829	0.22703	4.25E-04	8.67E-03	9.09E-03
937	UCAR	570630.55	4178758.99	570630.55, 4178758.99	0.55485	0.2623	6.23E-04	1.00E-02	1.06E-02
938	UCAR	570670.55	4178758.99	570670.55, 4178758.99	0.93936	0.30137	1.05E-03	1.15E-02	1.26E-02
939	UCAR	570710.55	4178758.99	570710.55, 4178758.99	1.94409	0.34334	2.18E-03	1.31E-02	1.53E-02
940	UCAR	570750.55	4178758.99	570750.55, 4178758.99	4.1497	0.3876	4.66E-03	1.48E-02	1.95E-02
941	UCAR	570790.55	4178758.99	570790.55, 4178758.99	15.55961	0.43331	1.75E-02	1.65E-02	3.40E-02
942	UCAR	570830.55	4178758.99	570830.55, 4178758.99	5.47289	0.47865	6.15E-03	1.83E-02	2.44E-02
943	UCAR	570870.55	4178758.99	570870.55, 4178758.99	3.23442	0.51832	3.63E-03	1.98E-02	2.34E-02
944	UCAR	570910.55	4178758.99	570910.55, 4178758.99	2.24513	0.54333	2.52E-03	2.07E-02	2.33E-02
945	UCAR	570950.55	4178758.99	570950.55, 4178758.99	1.68858	0.55122	1.90E-03	2.10E-02	2.29E-02
946	UCAR	570990.55	4178758.99	570990.55, 4178758.99	1.34902	0.55	1.52E-03	2.10E-02	2.25E-02
947	UCAR	571030.55	4178758.99	571030.55, 4178758.99	1.11293	0.53865	1.25E-03	2.06E-02	2.18E-02
948	UCAR	571070.55	4178758.99	571070.55, 4178758.99	0.93845	0.52053	1.05E-03	1.99E-02	2.09E-02
949	UCAR	571110.55	4178758.99	571110.55, 4178758.99	0.80706	0.49784	9.06E-04	1.90E-02	1.99E-02
950	UCAR	571150.55	4178758.99	571150.55, 4178758.99	0.70424	0.47269	7.91E-04	1.80E-02	1.88E-02
951	UCAR	571190.55	4178758.99	571190.55, 4178758.99	0.62083	0.44659	6.97E-04	1.70E-02	1.77E-02
952	UCAR	571230.55	4178758.99	571230.55, 4178758.99	0.55146	0.42042	6.19E-04	1.60E-02	1.67E-02
953	UCAR	571270.55	4178758.99	571270.55, 4178758.99	0.49259	0.39467	5.53E-04	1.51E-02	1.56E-02
954	UCAR	571310.55	4178758.99	571310.55, 4178758.99	0.44246	0.36964	4.97E-04	1.41E-02	1.46E-02
955	UCAR	571350.55	4178758.99	571350.55, 4178758.99	0.39998	0.34604	4.49E-04	1.32E-02	1.37E-02
956	UCAR	571390.55	4178758.99	571390.55, 4178758.99	0.36356	0.32357	4.08E-04	1.24E-02	1.28E-02
957	UCAR	571430.55	4178758.99	571430.55, 4178758.99	0.3314	0.30199	3.72E-04	1.15E-02	1.19E-02
958	UCAR	571470.55	4178758.99	571470.55, 4178758.99	0.30368	0.28274	3.41E-04	1.08E-02	1.11E-02
959	UCAR	571510.55	4178758.99	571510.55, 4178758.99	0.27891	0.26453	3.13E-04	1.01E-02	1.04E-02
960	UCAR	571550.55	4178758.99	571550.55, 4178758.99	0.25675	0.24741	2.88E-04	9.44E-03	9.73E-03
961	UCAR	571590.55	4178758.99	571590.55, 4178758.99	0.23725	0.23176	2.66E-04	8.85E-03	9.11E-03
962	UCAR	571630.55	4178758.99	571630.55, 4178758.99	0.21999	0.21742	2.47E-04	8.30E-03	8.55E-03
963	UCAR	571670.55	4178758.99	571670.55, 4178758.99	0.20407	0.20363	2.29E-04	7.77E-03	8.00E-03
964	UCAR	571710.55	4178758.99	571710.55, 4178758.99	0.19027	0.1915	2.14E-04	7.31E-03	7.52E-03
965	UCAR	571750.55	4178758.99	571750.55, 4178758.99	0.17774	0.18018	2.00E-04	6.88E-03	7.08E-03

966	UCAR	571790.55	4178758.99	571790.55, 4178758.99	0.16629	0.16955	1.87E-04	6.47E-03	6.66E-03
967	UCAR	571830.55	4178758.99	571830.55, 4178758.99	0.15592	0.15976	1.75E-04	6.10E-03	6.27E-03
968	UCAR	571870.55	4178758.99	571870.55, 4178758.99	0.1466	0.15089	1.65E-04	5.76E-03	5.92E-03
969	UCAR	570230.55	4178798.99	570230.55, 4178798.99	0.08288	0.07162	9.31E-05	2.73E-03	2.83E-03
970	UCAR	570270.55	4178798.99	570270.55, 4178798.99	0.0925	0.07942	1.04E-04	3.03E-03	3.14E-03
971	UCAR	570310.55	4178798.99	570310.55, 4178798.99	0.10398	0.08848	1.17E-04	3.38E-03	3.49E-03
972	UCAR	570350.55	4178798.99	570350.55, 4178798.99	0.11786	0.09904	1.32E-04	3.78E-03	3.91E-03
973	UCAR	570390.55	4178798.99	570390.55, 4178798.99	0.13489	0.11133	1.51E-04	4.25E-03	4.40E-03
974	UCAR	570430.55	4178798.99	570430.55, 4178798.99	0.15613	0.12553	1.75E-04	4.79E-03	4.97E-03
975	UCAR	570470.55	4178798.99	570470.55, 4178798.99	0.18384	0.14218	2.06E-04	5.43E-03	5.63E-03
976	UCAR	570510.55	4178798.99	570510.55, 4178798.99	0.22177	0.16155	2.49E-04	6.17E-03	6.42E-03
977	UCAR	570550.55	4178798.99	570550.55, 4178798.99	0.2774	0.18346	3.12E-04	7.00E-03	7.32E-03
978	UCAR	570590.55	4178798.99	570590.55, 4178798.99	0.37113	0.20785	4.17E-04	7.93E-03	8.35E-03
979	UCAR	570630.55	4178798.99	570630.55, 4178798.99	0.57276	0.23422	6.43E-04	8.94E-03	9.58E-03
980	UCAR	570670.55	4178798.99	570670.55, 4178798.99	1.29261	0.26178	1.45E-03	9.99E-03	1.14E-02
981	UCAR	570710.55	4178798.99	570710.55, 4178798.99	3.10045	0.28984	3.48E-03	1.11E-02	1.45E-02
982	UCAR	570750.55	4178798.99	570750.55, 4178798.99	14.93318	0.31828	1.68E-02	1.22E-02	2.89E-02
983	UCAR	570790.55	4178798.99	570790.55, 4178798.99	4.97042	0.34752	5.58E-03	1.33E-02	1.88E-02
984	UCAR	570830.55	4178798.99	570830.55, 4178798.99	2.89825	0.37656	3.26E-03	1.44E-02	1.76E-02
985	UCAR	570870.55	4178798.99	570870.55, 4178798.99	2.00857	0.40144	2.26E-03	1.53E-02	1.76E-02
986	UCAR	570910.55	4178798.99	570910.55, 4178798.99	1.52231	0.41687	1.71E-03	1.59E-02	1.76E-02
987	UCAR	570950.55	4178798.99	570950.55, 4178798.99	1.16452	0.40636	1.31E-03	1.55E-02	1.68E-02
988	UCAR	570990.55	4178798.99	570990.55, 4178798.99	0.98754	0.41323	1.11E-03	1.58E-02	1.69E-02
989	UCAR	571030.55	4178798.99	571030.55, 4178798.99	0.85885	0.41642	9.65E-04	1.59E-02	1.69E-02
990	UCAR	571070.55	4178798.99	571070.55, 4178798.99	0.74419	0.40537	8.36E-04	1.55E-02	1.63E-02
991	UCAR	571110.55	4178798.99	571110.55, 4178798.99	0.6516	0.39123	7.32E-04	1.49E-02	1.57E-02
992	UCAR	571150.55	4178798.99	571150.55, 4178798.99	0.57688	0.37533	6.48E-04	1.43E-02	1.50E-02
993	UCAR	571190.55	4178798.99	571190.55, 4178798.99	0.51556	0.35864	5.79E-04	1.37E-02	1.43E-02
994	UCAR	571230.55	4178798.99	571230.55, 4178798.99	0.46341	0.34121	5.20E-04	1.30E-02	1.35E-02
995	UCAR	571270.55	4178798.99	571270.55, 4178798.99	0.41842	0.3235	4.70E-04	1.23E-02	1.28E-02
996	UCAR	571310.55	4178798.99	571310.55, 4178798.99	0.37968	0.30595	4.26E-04	1.17E-02	1.21E-02
997	UCAR	571350.55	4178798.99	571350.55, 4178798.99	0.34634	0.28869	3.89E-04	1.10E-02	1.14E-02
998	UCAR	571390.55	4178798.99	571390.55, 4178798.99	0.31675	0.27129	3.56E-04	1.04E-02	1.07E-02
999	UCAR	571430.55	4178798.99	571430.55, 4178798.99	0.29142	0.25587	3.27E-04	9.77E-03	1.01E-02
1000	UCAR	571470.55	4178798.99	571470.55, 4178798.99	0.2691	0.24156	3.02E-04	9.22E-03	9.52E-03
1001	UCAR	571510.55	4178798.99	571510.55, 4178798.99	0.24954	0.22864	2.80E-04	8.73E-03	9.01E-03
1002	UCAR	571550.55	4178798.99	571550.55, 4178798.99	0.23057	0.21475	2.59E-04	8.20E-03	8.46E-03
1003	UCAR	571590.55	4178798.99	571590.55, 4178798.99	0.21414	0.20247	2.40E-04	7.73E-03	7.97E-03
1004	UCAR	571630.55	4178798.99	571630.55, 4178798.99	0.19985	0.19151	2.24E-04	7.31E-03	7.54E-03
1005	UCAR	571670.55	4178798.99	571670.55, 4178798.99	0.18636	0.18059	2.09E-04	6.89E-03	7.10E-03
1006	UCAR	571710.55	4178798.99	571710.55, 4178798.99	0.17435	0.17061	1.96E-04	6.51E-03	6.71E-03
1007	UCAR	571750.55	4178798.99	571750.55, 4178798.99	0.16366	0.16154	1.84E-04	6.17E-03	6.35E-03
1008	UCAR	571790.55	4178798.99	571790.55, 4178798.99	0.15362	0.1527	1.73E-04	5.83E-03	6.00E-03
1009	UCAR	571830.55	4178798.99	571830.55, 4178798.99	0.14461	0.14462	1.62E-04	5.52E-03	5.68E-03
1010	UCAR	571870.55	4178798.99	571870.55, 4178798.99	0.13645	0.1372	1.53E-04	5.24E-03	5.39E-03
1011	UCAR	570230.55	4178838.99	570230.55, 4178838.99	0.08194	0.07149	9.20E-05	2.73E-03	2.82E-03
1012	UCAR	570270.55	4178838.99	570270.55, 4178838.99	0.09122	0.07896	1.02E-04	3.01E-03	3.12E-03
1013	UCAR	570310.55	4178838.99	570310.55, 4178838.99	0.10225	0.08752	1.15E-04	3.34E-03	3.46E-03
1014	UCAR	570350.55	4178838.99	570350.55, 4178838.99	0.11551	0.09732	1.30E-04	3.72E-03	3.84E-03
1015	UCAR	570390.55	4178838.99	570390.55, 4178838.99	0.13165	0.10844	1.48E-04	4.14E-03	4.29E-03
1016	UCAR	570430.55	4178838.99	570430.55, 4178838.99	0.15196	0.12119	1.71E-04	4.63E-03	4.80E-03
1017	UCAR	570470.55	4178838.99	570470.55, 4178838.99	0.17842	0.13571	2.00E-04	5.18E-03	5.38E-03
1018	UCAR	570510.55	4178838.99	570510.55, 4178838.99	0.21449	0.15181	2.41E-04	5.80E-03	6.04E-03
1019	UCAR	570550.55	4178838.99	570550.55, 4178838.99	0.2683	0.1694	3.01E-04	6.47E-03	6.77E-03
1020	UCAR	570590.55	4178838.99	570590.55, 4178838.99	0.36102	0.18813	4.05E-04	7.18E-03	7.59E-03
1021	UCAR	570630.55	4178838.99	570630.55, 4178838.99	0.56656	0.20736	6.36E-04	7.92E-03	8.55E-03
1022	UCAR	570670.55	4178838.99	570670.55, 4178838.99	1.38275	0.22653	1.55E-03	8.65E-03	1.02E-02
1023	UCAR	570710.55	4178838.99	570710.55, 4178838.99	6.75143	0.24542	7.58E-03	9.37E-03	1.70E-02
1024	UCAR	570750.55	4178838.99	570750.55, 4178838.99	3.32466	0.26455	3.73E-03	1.01E-02	1.38E-02
1025	UCAR	570790.55	4178838.99	570790.55, 4178838.99	2.18293	0.2845	2.45E-03	1.09E-02	1.33E-02
1026	UCAR	570830.55	4178838.99	570830.55, 4178838.99	1.60068	0.3044	1.80E-03	1.16E-02	1.34E-02

1027	UCAR	570870.55	4178838.99	570870.55, 4178838.99	1.2574	0.32098	1.41E-03	1.23E-02	1.37E-02
1028	UCAR	570910.55	4178838.99	570910.55, 4178838.99	1.03243	0.33141	1.16E-03	1.27E-02	1.38E-02
1029	UCAR	570950.55	4178838.99	570950.55, 4178838.99	0.87022	0.33492	9.77E-04	1.28E-02	1.38E-02
1030	UCAR	570990.55	4178838.99	570990.55, 4178838.99	0.73563	0.32883	8.26E-04	1.26E-02	1.34E-02
1031	UCAR	571030.55	4178838.99	571030.55, 4178838.99	0.65538	0.32975	7.36E-04	1.26E-02	1.33E-02
1032	UCAR	571070.55	4178838.99	571070.55, 4178838.99	0.5857	0.32452	6.58E-04	1.24E-02	1.30E-02
1033	UCAR	571110.55	4178838.99	571110.55, 4178838.99	0.5248	0.31506	5.89E-04	1.20E-02	1.26E-02
1034	UCAR	571150.55	4178838.99	571150.55, 4178838.99	0.47215	0.30451	5.30E-04	1.16E-02	1.22E-02
1035	UCAR	571190.55	4178838.99	571190.55, 4178838.99	0.42711	0.29339	4.80E-04	1.12E-02	1.17E-02
1036	UCAR	571230.55	4178838.99	571230.55, 4178838.99	0.38817	0.2816	4.36E-04	1.08E-02	1.12E-02
1037	UCAR	571270.55	4178838.99	571270.55, 4178838.99	0.35418	0.26927	3.98E-04	1.03E-02	1.07E-02
1038	UCAR	571310.55	4178838.99	571310.55, 4178838.99	0.32458	0.25677	3.65E-04	9.80E-03	1.02E-02
1039	UCAR	571350.55	4178838.99	571350.55, 4178838.99	0.29869	0.24395	3.35E-04	9.31E-03	9.65E-03
1040	UCAR	571390.55	4178838.99	571390.55, 4178838.99	0.27554	0.23105	3.09E-04	8.82E-03	9.13E-03
1041	UCAR	571430.55	4178838.99	571430.55, 4178838.99	0.25542	0.21926	2.87E-04	8.37E-03	8.66E-03
1042	UCAR	571470.55	4178838.99	571470.55, 4178838.99	0.23765	0.20837	2.67E-04	7.95E-03	8.22E-03
1043	UCAR	571510.55	4178838.99	571510.55, 4178838.99	0.22187	0.19841	2.49E-04	7.57E-03	7.82E-03
1044	UCAR	571550.55	4178838.99	571550.55, 4178838.99	0.20714	0.18842	2.33E-04	7.19E-03	7.43E-03
1045	UCAR	571590.55	4178838.99	571590.55, 4178838.99	0.193	0.17811	2.17E-04	6.80E-03	7.02E-03
1046	UCAR	571630.55	4178838.99	571630.55, 4178838.99	0.18097	0.16932	2.03E-04	6.46E-03	6.67E-03
1047	UCAR	571670.55	4178838.99	571670.55, 4178838.99	0.16976	0.16072	1.91E-04	6.14E-03	6.33E-03
1048	UCAR	571710.55	4178838.99	571710.55, 4178838.99	0.15963	0.15273	1.79E-04	5.83E-03	6.01E-03
1049	UCAR	571750.55	4178838.99	571750.55, 4178838.99	0.15028	0.14509	1.69E-04	5.54E-03	5.71E-03
1050	UCAR	571790.55	4178838.99	571790.55, 4178838.99	0.14149	0.13765	1.59E-04	5.25E-03	5.41E-03
1051	UCAR	571830.55	4178838.99	571830.55, 4178838.99	0.13365	0.1309	1.50E-04	5.00E-03	5.15E-03
1052	UCAR	571870.55	4178838.99	571870.55, 4178838.99	0.12662	0.12477	1.42E-04	4.76E-03	4.91E-03
1053	UCAR	570230.55	4178878.99	570230.55, 4178878.99	0.08079	0.07096	9.07E-05	2.71E-03	2.80E-03
1054	UCAR	570270.55	4178878.99	570270.55, 4178878.99	0.08969	0.07799	1.01E-04	2.98E-03	3.08E-03
1055	UCAR	570310.55	4178878.99	570310.55, 4178878.99	0.10022	0.08591	1.13E-04	3.28E-03	3.39E-03
1056	UCAR	570350.55	4178878.99	570350.55, 4178878.99	0.11274	0.09473	1.27E-04	3.62E-03	3.74E-03
1057	UCAR	570390.55	4178878.99	570390.55, 4178878.99	0.12812	0.10471	1.44E-04	4.00E-03	4.14E-03
1058	UCAR	570430.55	4178878.99	570430.55, 4178878.99	0.14743	0.11588	1.66E-04	4.42E-03	4.59E-03
1059	UCAR	570470.55	4178878.99	570470.55, 4178878.99	0.17236	0.12806	1.94E-04	4.89E-03	5.08E-03
1060	UCAR	570510.55	4178878.99	570510.55, 4178878.99	0.20657	0.14115	2.32E-04	5.39E-03	5.62E-03
1061	UCAR	570550.55	4178878.99	570550.55, 4178878.99	0.25783	0.15493	2.90E-04	5.91E-03	6.20E-03
1062	UCAR	570590.55	4178878.99	570590.55, 4178878.99	0.34416	0.16898	3.87E-04	6.45E-03	6.84E-03
1063	UCAR	570630.55	4178878.99	570630.55, 4178878.99	0.50502	0.1828	5.67E-04	6.98E-03	7.55E-03
1064	UCAR	570670.55	4178878.99	570670.55, 4178878.99	0.77028	0.19613	8.65E-04	7.49E-03	8.35E-03
1065	UCAR	570710.55	4178878.99	570710.55, 4178878.99	1.0685	0.20921	1.20E-03	7.99E-03	9.19E-03
1066	UCAR	570750.55	4178878.99	570750.55, 4178878.99	1.09978	0.22279	1.24E-03	8.51E-03	9.74E-03
1067	UCAR	570790.55	4178878.99	570790.55, 4178878.99	1.00198	0.23726	1.13E-03	9.06E-03	1.02E-02
1068	UCAR	570830.55	4178878.99	570830.55, 4178878.99	0.88477	0.25155	9.94E-04	9.60E-03	1.06E-02
1069	UCAR	570870.55	4178878.99	570870.55, 4178878.99	0.78195	0.26316	8.78E-04	1.00E-02	1.09E-02
1070	UCAR	570910.55	4178878.99	570910.55, 4178878.99	0.69486	0.27043	7.80E-04	1.03E-02	1.11E-02
1071	UCAR	570950.55	4178878.99	570950.55, 4178878.99	0.62148	0.27389	6.98E-04	1.05E-02	1.12E-02
1072	UCAR	570990.55	4178878.99	570990.55, 4178878.99	0.55766	0.27377	6.26E-04	1.05E-02	1.11E-02
1073	UCAR	571030.55	4178878.99	571030.55, 4178878.99	0.50308	0.27081	5.65E-04	1.03E-02	1.09E-02
1074	UCAR	571070.55	4178878.99	571070.55, 4178878.99	0.45866	0.26581	5.15E-04	1.01E-02	1.07E-02
1075	UCAR	571110.55	4178878.99	571110.55, 4178878.99	0.42024	0.25905	4.72E-04	9.89E-03	1.04E-02
1076	UCAR	571150.55	4178878.99	571150.55, 4178878.99	0.38578	0.25158	4.33E-04	9.60E-03	1.00E-02
1077	UCAR	571190.55	4178878.99	571190.55, 4178878.99	0.35423	0.24389	3.98E-04	9.31E-03	9.71E-03
1078	UCAR	571230.55	4178878.99	571230.55, 4178878.99	0.32551	0.23567	3.66E-04	9.00E-03	9.36E-03
1079	UCAR	571270.55	4178878.99	571270.55, 4178878.99	0.29993	0.22701	3.37E-04	8.67E-03	9.00E-03
1080	UCAR	571310.55	4178878.99	571310.55, 4178878.99	0.2774	0.218	3.12E-04	8.32E-03	8.63E-03
1081	UCAR	571350.55	4178878.99	571350.55, 4178878.99	0.25751	0.20862	2.89E-04	7.96E-03	8.25E-03
1082	UCAR	571390.55	4178878.99	571390.55, 4178878.99	0.23967	0.1991	2.69E-04	7.60E-03	7.87E-03
1083	UCAR	571430.55	4178878.99	571430.55, 4178878.99	0.22367	0.18986	2.51E-04	7.25E-03	7.50E-03
1084	UCAR	571470.55	4178878.99	571470.55, 4178878.99	0.20928	0.18108	2.35E-04	6.91E-03	7.15E-03
1085	UCAR	571510.55	4178878.99	571510.55, 4178878.99	0.19635	0.1729	2.21E-04	6.60E-03	6.82E-03
1086	UCAR	571550.55	4178878.99	571550.55, 4178878.99	0.18494	0.16562	2.08E-04	6.32E-03	6.53E-03
1087	UCAR	571590.55	4178878.99	571590.55, 4178878.99	0.17373	0.15776	1.95E-04	6.02E-03	6.22E-03

1088	UCAR	571630.55	4178878.99	571630.55, 4178878.99	0.1635	0.1504	1.84E-04	5.74E-03	5.93E-03
1089	UCAR	571670.55	4178878.99	571670.55, 4178878.99	0.15431	0.14362	1.73E-04	5.48E-03	5.66E-03
1090	UCAR	571710.55	4178878.99	571710.55, 4178878.99	0.14569	0.13701	1.64E-04	5.23E-03	5.39E-03
1091	UCAR	571750.55	4178878.99	571750.55, 4178878.99	0.13766	0.13063	1.55E-04	4.99E-03	5.14E-03
1092	UCAR	571790.55	4178878.99	571790.55, 4178878.99	0.13021	0.12453	1.46E-04	4.75E-03	4.90E-03
1093	UCAR	571830.55	4178878.99	571830.55, 4178878.99	0.12336	0.11878	1.39E-04	4.53E-03	4.67E-03
1094	UCAR	571870.55	4178878.99	571870.55, 4178878.99	0.11724	0.11359	1.32E-04	4.34E-03	4.47E-03
1095	UCAR	570230.55	4178918.99	570230.55, 4178918.99	0.07945	0.06993	8.92E-05	2.67E-03	2.76E-03
1096	UCAR	570270.55	4178918.99	570270.55, 4178918.99	0.08796	0.07638	9.88E-05	2.92E-03	3.01E-03
1097	UCAR	570310.55	4178918.99	570310.55, 4178918.99	0.09801	0.08357	1.10E-04	3.19E-03	3.30E-03
1098	UCAR	570350.55	4178918.99	570350.55, 4178918.99	0.11001	0.0915	1.24E-04	3.49E-03	3.62E-03
1099	UCAR	570390.55	4178918.99	570390.55, 4178918.99	0.12467	0.10027	1.40E-04	3.83E-03	3.97E-03
1100	UCAR	570430.55	4178918.99	570430.55, 4178918.99	0.14283	0.10972	1.60E-04	4.19E-03	4.35E-03
1101	UCAR	570470.55	4178918.99	570470.55, 4178918.99	0.16619	0.11972	1.87E-04	4.57E-03	4.76E-03
1102	UCAR	570510.55	4178918.99	570510.55, 4178918.99	0.19785	0.13017	2.22E-04	4.97E-03	5.19E-03
1103	UCAR	570550.55	4178918.99	570550.55, 4178918.99	0.24263	0.14078	2.72E-04	5.37E-03	5.65E-03
1104	UCAR	570590.55	4178918.99	570590.55, 4178918.99	0.30569	0.15116	3.43E-04	5.77E-03	6.11E-03
1105	UCAR	570630.55	4178918.99	570630.55, 4178918.99	0.386	0.16103	4.34E-04	6.15E-03	6.58E-03
1106	UCAR	570670.55	4178918.99	570670.55, 4178918.99	0.47181	0.17044	5.30E-04	6.51E-03	7.04E-03
1107	UCAR	570710.55	4178918.99	570710.55, 4178918.99	0.56428	0.1798	6.34E-04	6.86E-03	7.50E-03
1108	UCAR	570750.55	4178918.99	570750.55, 4178918.99	0.5942	0.18996	6.67E-04	7.25E-03	7.92E-03
1109	UCAR	570790.55	4178918.99	570790.55, 4178918.99	0.58182	0.20094	6.53E-04	7.67E-03	8.32E-03
1110	UCAR	570830.55	4178918.99	570830.55, 4178918.99	0.5518	0.21155	6.20E-04	8.08E-03	8.70E-03
1111	UCAR	570870.55	4178918.99	570870.55, 4178918.99	0.51777	0.21996	5.82E-04	8.40E-03	8.98E-03
1112	UCAR	570910.55	4178918.99	570910.55, 4178918.99	0.48439	0.22526	5.44E-04	8.60E-03	9.14E-03
1113	UCAR	570950.55	4178918.99	570950.55, 4178918.99	0.45169	0.22771	5.07E-04	8.69E-03	9.20E-03
1114	UCAR	570990.55	4178918.99	570990.55, 4178918.99	0.41991	0.22769	4.72E-04	8.69E-03	9.16E-03
1115	UCAR	571030.55	4178918.99	571030.55, 4178918.99	0.38902	0.22553	4.37E-04	8.61E-03	9.05E-03
1116	UCAR	571070.55	4178918.99	571070.55, 4178918.99	0.36096	0.22174	4.05E-04	8.46E-03	8.87E-03
1117	UCAR	571110.55	4178918.99	571110.55, 4178918.99	0.33677	0.21691	3.78E-04	8.28E-03	8.66E-03
1118	UCAR	571150.55	4178918.99	571150.55, 4178918.99	0.31469	0.21135	3.53E-04	8.07E-03	8.42E-03
1119	UCAR	571190.55	4178918.99	571190.55, 4178918.99	0.29387	0.20565	3.30E-04	7.85E-03	8.18E-03
1120	UCAR	571230.55	4178918.99	571230.55, 4178918.99	0.27374	0.19976	3.07E-04	7.63E-03	7.93E-03
1121	UCAR	571270.55	4178918.99	571270.55, 4178918.99	0.25478	0.19337	2.86E-04	7.38E-03	7.67E-03
1122	UCAR	571310.55	4178918.99	571310.55, 4178918.99	0.23763	0.18694	2.67E-04	7.14E-03	7.40E-03
1123	UCAR	571350.55	4178918.99	571350.55, 4178918.99	0.22232	0.1801	2.50E-04	6.88E-03	7.13E-03
1124	UCAR	571390.55	4178918.99	571390.55, 4178918.99	0.20839	0.17285	2.34E-04	6.60E-03	6.83E-03
1125	UCAR	571430.55	4178918.99	571430.55, 4178918.99	0.19585	0.16572	2.20E-04	6.33E-03	6.55E-03
1126	UCAR	571470.55	4178918.99	571470.55, 4178918.99	0.18436	0.15875	2.07E-04	6.06E-03	6.27E-03
1127	UCAR	571510.55	4178918.99	571510.55, 4178918.99	0.17329	0.15154	1.95E-04	5.79E-03	5.98E-03
1128	UCAR	571550.55	4178918.99	571550.55, 4178918.99	0.16421	0.14575	1.84E-04	5.56E-03	5.75E-03
1129	UCAR	571590.55	4178918.99	571590.55, 4178918.99	0.15551	0.13989	1.75E-04	5.34E-03	5.51E-03
1130	UCAR	571630.55	4178918.99	571630.55, 4178918.99	0.14738	0.13419	1.66E-04	5.12E-03	5.29E-03
1131	UCAR	571670.55	4178918.99	571670.55, 4178918.99	0.13978	0.12868	1.57E-04	4.91E-03	5.07E-03
1132	UCAR	571710.55	4178918.99	571710.55, 4178918.99	0.13251	0.12316	1.49E-04	4.70E-03	4.85E-03
1133	UCAR	571750.55	4178918.99	571750.55, 4178918.99	0.12581	0.11795	1.41E-04	4.50E-03	4.64E-03
1134	UCAR	571790.55	4178918.99	571790.55, 4178918.99	0.11963	0.11302	1.34E-04	4.31E-03	4.45E-03
1135	UCAR	571830.55	4178918.99	571830.55, 4178918.99	0.11387	0.10829	1.28E-04	4.13E-03	4.26E-03
1136	UCAR	571870.55	4178918.99	571870.55, 4178918.99	0.1085	0.10377	1.22E-04	3.96E-03	4.08E-03
1137	UCAR	570808.82	4178464.81	570808.82, 4178464.81	10.70021	2.65471	1.20E-02	1.01E-01	1.13E-01
1138	UCAR	570823.91	4178529.88	570823.91, 4178529.88	8.94692	3.0615	1.00E-02	1.17E-01	1.27E-01
1139	UCAR	570883.31	4178602.01	570883.31, 4178602.01	7.08508	3.39649	7.96E-03	1.30E-01	1.38E-01
1140	UCAR	571181.45	4178310.17	571181.45, 4178310.17	4.6828	9.32988	5.26E-03	3.56E-01	3.61E-01
1141	UCAR	571067.83	4178206.53	571067.83, 4178206.53	0.9476	3.4361	1.06E-03	1.31E-01	1.32E-01
1142	UCAR	570799.89	4178446.83	570799.89, 4178446.83	8.14224	2.25811	9.14E-03	8.62E-02	9.53E-02

Operations $PM_{2.5}$ Road Dust Rates (Unmitigated)

E = [k(sL)^0.91 x (W)^1.02]*(1-P/4N)

	PM_{10}	$PM_{2.5}$	
E =			emission factor
k =	0.0022	0.00054	particle size multiplier (lb/VMT)
sL =	0.032	0.032	surface silt loading
W =	26	26	average vehicle weight (tons)
P =	62	62	Number of days per year with >0.01 inches of rain
N =	365	365	Days per period
	0.91	0.91	
	1.02	1.02	

Source	**Daily Trips**	**PM_{10} Emission Factor**	**$PM_{2.5}$ Emissions Factor**	**Road Dust Emissions (lbs/day)**	
				PM_{10}	**$PM_{2.5}$**
Truck Road Dust	186	0.002549977	0.000625903	0.474295753	0.116418
Truck Tire Wear	186	4.29621E-10	1.93911E-05	7.99095E-08	0.0036067
Truck Break Wear	186	1.20819E-09	6.26834E-05	2.24724E-07	0.0116591
			Total lbs/day	0.47	0.13
			Total g/s/mile	2.49E-03	6.91E-04

	Length (M)	Length (mi)		percent	Scaled Emissions Rate	AERMOD
Heg	694.4	0.43		0.14	9.48E-05	0.42
San Leandro	963.2	0.60		0.19	1.32E-04	0.58
			1.03	**Off Site Total (Grouped)**	**2.26E-04**	
ONSITE	1747.4	1.09		0.35	2.39E-04	
Total		3.15				

Operational $PM_{2.5}$ Concentrations (Unmitigated)

	Docks	Fire Pump	Offsite	Offsite Dust	Onsite	Onsite Dust
$PM_{2.5}$ Dust	-	-	-	2.26E-04	-	2.39E-04
$PM_{2.5}$ Exhaust	9.11E-09	2.45E-02	7.45E-07	-	4.29E-07	
Emissions Rate (g/s):	0.00E+00	0.00E+00	0.00E+00		0.00E+00	

Discrete Receptor ID				Concentration [µg/m^3] at 1 g/s						Unmitigated						
	X	Y	X, Y	Docks	Fire Pump	Offsite	Offsite Dust	Onsite	Onsite Dust	Docks	Fire Pump	Offsite	Offsite Dust	Onsite	Onsite Dust	Total
1 UCAF	570230.55	4177839	570230.55, 4177838.99	1.20186	0.00051	1.21001	1.2182	1.12247	1.16774	1.09E-08	1.25E-05	9.01E-07	2.76E-04	4.82E-07	2.79E-04	5.68E-04
2 UCAF	570270.55	4177839	570270.55, 4177838.99	1.27234	0.00052	1.28951	1.29777	1.18554	1.23101	1.16E-08	1.27E-05	9.61E-07	2.94E-04	5.09E-07	2.94E-04	6.02E-04
3 UCAF	570310.55	4177839	570310.55, 4177838.99	1.34313	0.00052	1.3762	1.38501	1.24929	1.29299	1.22E-08	1.27E-05	1.03E-06	3.14E-04	5.36E-07	3.09E-04	6.36E-04
4 UCAF	570350.55	4177839	570350.55, 4177838.99	1.41345	0.0005	1.4713	1.48128	1.31322	1.35324	1.29E-08	1.22E-05	1.10E-06	3.35E-04	5.63E-07	3.23E-04	6.72E-04
5 UCAF	570390.55	4177839	570390.55, 4177838.99	1.48216	0.00049	1.57583	1.58795	1.37657	1.41139	1.35E-08	1.20E-05	1.17E-06	3.59E-04	5.91E-07	3.37E-04	7.10E-04
6 UCAF	570430.55	4177839	570430.55, 4177838.99	1.54855	0.00048	1.69154	1.70669	1.43869	1.46695	1.41E-08	1.17E-05	1.26E-06	3.86E-04	6.17E-07	3.50E-04	7.50E-04
7 UCAF	570470.55	4177839	570470.55, 4177838.99	1.61249	0.00047	1.82102	1.83952	1.4995	1.51965	1.47E-08	1.15E-05	1.36E-06	4.16E-04	6.43E-07	3.63E-04	7.93E-04
8 UCAF	570510.55	4177839	570510.55, 4177838.99	1.67117	0.00047	1.96188	1.98625	1.55654	1.56849	1.52E-08	1.15E-05	1.46E-06	4.50E-04	6.68E-07	3.74E-04	8.38E-04
9 UCAF	570550.55	4177839	570550.55, 4177838.99	1.73145	0.00047	2.12858	2.15393	1.6153	1.61597	1.58E-08	1.15E-05	1.59E-06	4.88E-04	6.93E-07	3.86E-04	8.87E-04
10 UCAF	570590.55	4177839	570590.55, 4177838.99	1.78784	0.00045	2.31166	2.33623	1.67088	1.66065	1.63E-08	1.10E-05	1.72E-06	5.29E-04	7.17E-07	3.96E-04	9.39E-04
11 UCAF	570630.55	4177839	570630.55, 4177838.99	1.84165	0.00042	2.50959	2.52747	1.72383	1.7043	1.68E-08	1.03E-05	1.87E-06	5.72E-04	7.40E-07	4.07E-04	9.92E-04
12 UCAF	570670.55	4177839	570670.55, 4177838.99	1.89491	0.00038	2.71799	2.71777	1.77554	1.74931	1.73E-08	9.30E-06	2.02E-06	6.15E-04	7.62E-07	4.17E-04	1.04E-03
13 UCAF	570710.55	4177839	570710.55, 4177838.99	1.94945	0.00034	2.92608	2.90211	1.82721	1.79751	1.78E-08	8.32E-06	2.18E-06	6.57E-04	7.84E-07	4.29E-04	1.10E-03
14 UCAF	570750.55	4177839	570750.55, 4177838.99	2.00692	0.00031	3.12653	3.0929	1.8801	1.84911	1.83E-08	7.59E-06	2.33E-06	7.00E-04	8.07E-07	4.41E-04	1.15E-03
15 UCAF	570790.55	4177839	570790.55, 4177838.99	2.06817	0.00029	3.33296	3.30241	1.93511	1.90399	1.88E-08	7.10E-06	2.48E-06	7.48E-04	8.30E-07	4.54E-04	1.21E-03
16 UCAF	570830.55	4177839	570830.55, 4177838.99	2.13386	0.00029	3.56088	3.52265	1.9934	1.96332	1.94E-08	7.10E-06	2.65E-06	7.97E-04	8.55E-07	4.68E-04	1.28E-03
17 UCAF	570870.55	4177839	570870.55, 4177838.99	2.20195	0.00029	3.75864	3.73062	2.05391	2.0264	2.00E-08	7.10E-06	2.80E-06	8.44E-04	8.81E-07	4.84E-04	1.34E-03
18 UCAF	570910.55	4177839	570910.55, 4177838.99	2.27204	0.0003	3.86542	3.84301	2.1169	2.09047	2.07E-08	7.34E-06	2.88E-06	8.70E-04	9.08E-07	4.99E-04	1.38E-03
19 UCAF	570950.55	4177839	570950.55, 4177838.99	2.3431	0.00031	3.87283	3.83991	2.18173	2.15357	2.13E-08	7.59E-06	2.88E-06	8.69E-04	9.36E-07	5.14E-04	1.39E-03
20 UCAF	570990.55	4177839	570990.55, 4177838.99	2.41521	0.00031	3.8047	3.77441	2.24822	2.21776	2.20E-08	7.59E-06	2.83E-06	8.54E-04	9.65E-07	5.29E-04	1.39E-03
21 UCAF	571030.55	4177839	571030.55, 4177838.99	2.48733	0.00033	3.69061	3.67331	2.3155	2.28575	2.26E-08	8.08E-06	2.75E-06	8.31E-04	9.93E-07	5.45E-04	1.39E-03
22 UCAF	571070.55	4177839	571070.55, 4177838.99	2.55703	0.00034	3.55607	3.54995	2.38203	2.35427	2.33E-08	8.32E-06	2.65E-06	8.04E-04	1.02E-06	5.62E-04	1.38E-03
23 UCAF	571110.55	4177839	571110.55, 4177838.99	2.62041	0.00036	3.41808	3.41881	2.44535	2.41768	2.39E-08	8.81E-06	2.55E-06	7.74E-04	1.05E-06	5.77E-04	1.36E-03
24 UCAF	571150.55	4177839	571150.55, 4177838.99	2.67268	0.00038	3.28615	3.29159	2.50211	2.47509	2.43E-08	9.30E-06	2.45E-06	7.45E-04	1.07E-06	5.91E-04	1.35E-03
25 UCAF	571190.55	4177839	571190.55, 4177838.99	2.71247	0.00043	3.16939	3.17632	2.55131	2.52652	2.47E-08	1.05E-05	2.36E-06	7.19E-04	1.09E-06	6.03E-04	1.34E-03
26 UCAF	571230.55	4177839	571230.55, 4177838.99	2.73206	0.00047	3.06327	3.0729	2.58578	2.56858	2.49E-08	1.15E-05	2.28E-06	6.96E-04	1.11E-06	6.13E-04	1.32E-03
27 UCAF	571270.55	4177839	571270.55, 4177838.99	2.73453	0.00054	2.97493	2.98361	2.60721	2.60095	2.49E-08	1.32E-05	2.22E-06	6.75E-04	1.12E-06	6.21E-04	1.31E-03
28 UCAF	571310.55	4177839	571310.55, 4177838.99	2.7138	0.00065	2.89375	2.90298	2.6075	2.61677	2.47E-08	1.59E-05	2.16E-06	6.57E-04	1.12E-06	6.24E-04	1.30E-03
29 UCAF	571350.55	4177839	571350.55, 4177838.99	2.67393	0.00079	2.8178	2.82872	2.58808	2.60695	2.43E-08	1.93E-05	2.10E-06	6.40E-04	1.11E-06	6.22E-04	1.28E-03
30 UCAF	571390.55	4177839	571390.55, 4177838.99	2.61997	0.00096	2.74451	2.75787	2.55162	2.565	2.39E-08	2.35E-05	2.04E-06	6.24E-04	1.09E-06	6.12E-04	1.26E-03
31 UCAF	571430.55	4177839	571430.55, 4177838.99	2.55695	0.00119	2.66946	2.68551	2.50242	2.49504	2.33E-08	2.91E-05	1.99E-06	6.08E-04	1.07E-06	5.95E-04	1.24E-03
32 UCAF	571470.55	4177839	571470.55, 4177838.99	2.48853	0.00144	2.58892	2.60665	2.44453	2.41134	2.27E-08	3.52E-05	1.93E-06	5.90E-04	1.05E-06	5.75E-04	1.20E-03
33 UCAF	571510.55	4177839	571510.55, 4177838.99	2.41673	0.00169	2.50314	2.51767	2.38081	2.32947	2.20E-08	4.14E-05	1.86E-06	5.70E-04	1.02E-06	5.56E-04	1.17E-03
34 UCAF	571550.55	4177839	571550.55, 4177838.99	2.3424	0.00198	2.41187	2.41472	2.31314	2.25811	2.13E-08	4.85E-05	1.80E-06	5.47E-04	9.92E-07	5.39E-04	1.14E-03
35 UCAF	571590.55	4177839	571590.55, 4177838.99	2.26626	0.00224	2.31689	2.30404	2.24335	2.19664	2.06E-08	5.48E-05	1.73E-06	5.22E-04	9.62E-07	5.24E-04	1.10E-03
36 UCAF	571630.55	4177839	571630.55, 4177838.99	2.18957	0.00242	2.22214	2.1998	2.17323	2.14047	1.99E-08	5.92E-05	1.66E-06	4.98E-04	9.32E-07	5.11E-04	1.07E-03
37 UCAF	571670.55	4177839	571670.55, 4177838.99	2.11097	0.00255	2.12807	2.10735	2.1012	2.08359	1.92E-08	6.24E-05	1.59E-06	4.77E-04	9.01E-07	4.97E-04	1.04E-03
38 UCAF	571710.55	4177839	571710.55, 4177838.99	2.03083	0.00264	2.03546	2.02341	2.02767	2.02478	1.85E-08	6.46E-05	1.52E-06	4.58E-04	8.70E-07	4.83E-04	1.01E-03
39 UCAF	571750.55	4177839	571750.55, 4177838.99	1.94998	0.00268	1.94493	1.94354	1.95331	1.96518	1.78E-08	6.56E-05	1.45E-06	4.40E-04	8.38E-07	4.69E-04	9.77E-04
40 UCAF	571790.55	4177839	571790.55, 4177838.99	1.86911	0.00269	1.85676	1.86579	1.87859	1.90563	1.70E-08	6.58E-05	1.38E-06	4.22E-04	8.06E-07	4.55E-04	9.45E-04
41 UCAF	571830.55	4177839	571830.55, 4177838.99	1.78861	0.00267	1.77085	1.78936	1.8037	1.84546	1.63E-08	6.53E-05	1.32E-06	4.05E-04	7.74E-07	4.40E-04	9.13E-04
42 UCAF	571870.55	4177839	571870.55, 4177838.99	1.70865	0.0026	1.687	1.71339	1.72857	1.78298	1.56E-08	6.36E-05	1.26E-06	3.88E-04	7.42E-07	4.25E-04	8.79E-04
43 UCAF	570230.55	4177879	570230.55, 4177878.99	1.24186	0.00057	1.25258	1.26176	1.15863	1.2052	1.13E-08	1.39E-05	9.33E-07	2.86E-04	4.97E-07	2.88E-04	5.89E-04
44 UCAF	570270.55	4177879	570270.55, 4177878.99	1.32552	0.00059	1.34143	1.34984	1.23247	1.28196	1.21E-08	1.44E-05	9.99E-07	3.06E-04	5.29E-07	3.06E-04	6.27E-04
45 UCAF	570310.55	4177879	570310.55, 4177878.99	1.41066	0.00059	1.43815	1.44657	1.30787	1.35848	1.28E-08	1.44E-05	1.07E-06	3.27E-04	5.61E-07	3.24E-04	6.68E-04
46 UCAF	570350.55	4177879	570350.55, 4177878.99	1.49675	0.00058	1.54489	1.55409	1.38456	1.43415	1.36E-08	1.42E-05	1.15E-06	3.52E-04	5.94E-07	3.42E-04	7.10E-04
47 UCAF	570390.55	4177879	570390.55, 4177878.99	1.58249	0.00057	1.66345	1.67454	1.46171	1.50831	1.44E-08	1.39E-05	1.24E-06	3.79E-04	6.27E-07	3.60E-04	7.55E-04
48 UCAF	570430.55	4177879	570430.55, 4177878.99	1.6674	0.00055	1.79745	1.81111	1.5391	1.58054	1.52E-08	1.35E-05	1.34E-06	4.10E-04	6.60E-07	3.77E-04	8.03E-04
49 UCAF	570470.55	4177879	570470.55, 4177878.99	1.74852	0.00054	1.9472	1.96584	1.61443	1.64968	1.59E-08	1.32E-05	1.45E-06	4.45E-04	6.93E-07	3.94E-04	8.54E-04
50 UCAF	570510.55	4177879	570510.55, 4177878.99	1.82813	0.00053	2.12222	2.1455	1.68961	1.71612	1.66E-08	1.30E-05	1.58E-06	4.86E-04	7.25E-07	4.09E-04	9.10E-04
51 UCAF	570550.55	4177879	570550.55, 4177878.99	1.90445	0.00053	2.32633	2.35551	1.76301	1.77903	1.73E-08	1.30E-05	1.73E-06	5.33E-04	7.56E-07	4.25E-04	9.73E-04
52 UCAF	570590.55	4177879	570590.55, 4177878.99	1.97928	0.00052	2.57131	2.60506	1.8358	1.8388	1.80E-08	1.27E-05	1.92E-06	5.90E-04	7.88E-07	4.39E-04	1.04E-03
53 UCAF	570630.55	4177879	570630.55, 4177878.99	2.04895	0.00049	2.85644	2.89749	1.90443	1.89485	1.87E-08	1.20E-05	2.13E-06	6.56E-04	8.17E-07	4.52E-04	1.12E-03
54 UCAF	570670.55	4177879	570670.55, 4177878.99	2.11606	0.00045	3.19098	3.23541	1.97042	1.94971	1.93E-08	1.10E-05	2.38E-06	7.32E-04	8.45E-07	4.65E-04	1.21E-03
55 UCAF	570710.55	4177879	570710.55, 4177878.99	2.18487	0.0004	3.58171	3.60499	2.03666	2.00692	1.99E-08	9.79E-06	2.67E-06	8.16E-04	8.74E-07	4.79E-04	1.31E-03
56 UCAF	570750.55	4177879	570750.55, 4177878.99	2.25516	0.00036	3.99248	3.96812	2.10257	2.06757	2.05E-08	8.81E-06	2.97E-06	8.98E-04	9.02E-07	4.93E-04	1.40E-03
57 UCAF	570790.55	4177879	570790.55, 4177878.99	2.32826	0.00034	4.37603	4.34155	2.16907	2.13214	2.12E-08	8.32E-06	3.26E-06	9.83E-04	9.31E-07	5.09E-04	1.50E-03
58 UCAF	570830.55	4177879	570830.55, 4177878.99	2.40523	0.00033	4.77383	4.75691	2.23748	2.20207	2.19E-08	8.08E-06	3.56E-06	1.08E-03	9.60E-07	5.25E-04	1.61E-03
59 UCAF	570870.55	4177879	570870.55, 4177878.99	2.48723	0.00033	5.08514	5.09586	2.30975	2.27752	2.26E-08	8.08E-06	3.79E-06	1.15E-03	9.91E-07	5.43E-04	1.71E-03
60 UCAF	570910.55	4177879	570910.55, 4177878.99	2.57277	0.00033	5.1429	5.1373	2.38562	2.35498	2.34E-08	8.08E-06	3.83E-06	1.16E-03	1.02E-06	5.62E-04	1.74E-03
61 UCAF	570950.55	4177879	570950.55, 4177878.99	2.66092	0.00034	4.97606	4.97694	2.46501	2.43244	2.42E-08	8.32E-06	3.71E-06	1.13E-03	1.06E-06	5.80E-04	1.72E-03
62 UCAF	570990.55	4177879	570990.55, 4177878.99	2.74946	0.00035	4.70261	4.72211	2.54617	2.51171	2.50E-08	8.56E-06	3.50E-06	1.07E-03	1.09E-06	5.99E-04	1.68E-03
63 UCAF	571030.55	4177879	571030.55, 4177878.99	2.83734	0.00036	4.41549	4.44049	2.62794	2.59486	2.58E-08	8.81E-06	3.29E-06	1.01E-03	1.13E-06	6.19E-04	1.64E-03
64 UCAF	571070.55	4177879	571070.55, 4177878.99	2.92202	0.00038	4.15562	4.17425	2.70893	2.67799	2.66E-08	9.30E-06	3.10E-06	9.45E-04	1.16E-06	6.39E-04	1.60E-03
65 UCAF	571110.55	4177879	571110.55, 4177878.99	2.99786	0.0004	3.93056	3.94095	2.78567	2.75448	2.73E-08	9.79E-06	2.93E-06	8.92E-04	1.20E-06	6.57E-04	1.56E-03
66 UCAF	571150.55	4177879	571150.55, 4177878.99	3.05878	0.00045	3.73932	3.74446	2.85396	2.82361	2.79E-08	1.10E-05	2.79E-06	8.48E-04	1.22E-06	6.74E-04	1.54E-03
67 UCAF	571190.55	4177879	571190.55, 4177878.99	3.10015	0.0005	3.58068	3.58298	2.91023	2.88458	2.82E-08	1.22E-05	2.67E-06	8.11E-04	1.25E-06	6.88E-04	1.52E-03
68 UCAF	571230.55	4177879	571230.55, 4177878.99	3.1128	0.00058	3.44326	3.44871	2.9448	2.93234	2.83E-08	1.42E-05	2.56E-06	7.81E-04	1.26E-06	7.00E-04	1.50E-03
69 UCAF	571270.55	4177879	571270.55, 4177878.99	3.10288	0.0007	3.3353	3.3401	2.96133	2.96409	2.83E-08	1.71E-05	2.48E-06	7.56E-04	1.27E-06	7.07E-04	1.48E-03
70 UCAF	571310.55	4177879	571310.55, 4177878.99	3.06446	0.00086	3.23964	3.24629	2.95022	2.96818	2.79E-08	2.10E-05	2.41E-06	7.35E-04	1.27E-06	7.08E-04	1.47E-03
71 UCAF	571350.55	4177879	571350.55, 4177878.99	3.0051	0.00108	3.15304	3.16234	2.91524	2.93376	2.74E-08	2.64E-05	2.35E-06	7.16E-04	1.25E-06	7.00E-04	1.45E-03
72 UCAF	571390.55	4177879	571390.55, 4177878.99	2.92897	0.00136	3.06826	3.08062	2.8582	2.85787	2.67E-08	3.33E-05	2.29E-06	6.97E-04	1.23E-06	6.82E-04	1.42E-03
73 UCAF	571430.55	4177879	571430.55, 4177878.99	2.84085	0.00166	2.97559	2.99091	2.78498	2.75553	2.59E-08	4.06E-05	2.22E-06	6.77E-04	1.19E-06	6.58E-04	1.38E-03
74 UCAF	571470.55	4177879	571470.55, 4177878.99	2.76295	0.00202	2.88536	2.90118	2.71879	2.66411	2.52E-08	4.94E-05	2.15E-06	6.57E-04	1.17E-06	6.36E-04	1.35E-03
75 UCAF	571510.55	4177879	571510.55, 4177878.99	2.67291	0.00235	2.77929	2.78676	2.6385	2.57718	2.43E-08	5.75E-05	2.07E-06	6.31E-04	1.13E-06	6.15E-04	1.31E-03
76 UCAF	571550.55	4177879	571550.55, 4177878.99	2.5799	0.00266	2.66745	2.6562	2.55427	2.50208	2.35E-08	6.51E-05	1.99E-06	6.01E-04	1.10E-06	5.97E-04	1.27E-03
77 UCAF	571590.55	4177879	571590.55, 4177878.99	2.48416	0.00288	2.55203	2.52709	2.46711	2.43213	2.26E-08	7.05E-05	1.90E-06	5.72E-04	1.06E-06	5.80E-04	1.23E-03
78 UCAF	571630.55	4177879	571630.55, 4177878.99	2.38688	0.00304	2.43664	2.41276	2.37873	2.36274	2.17E-08	7.44E-05	1.82E-06	5.46E-04	1.02E-06	5.64E-04	1.19E-03
79 UCAF	571670.55	4177879	571670.55, 4177878.99	2.28759	0.00315	2.32201	2.30958	2.28816	2.29114	2.08E-08	7.71E-05	1.73E-06	5.23E-04	9.82E-07	5.47E-04	1.15E-03
80 UCAF	571710.55	4177879	571710.55, 4177878.99	2.18729	0.00318	2.20914	2.21121	2.19623	2.2183	1.99E-08	7.78E-05	1.65E-06	5.01E-04	9.42E-07	5.29E-04	1.11E-03
81 UCAF	571750.55	4177879	571750.55, 4177878.99	2.08697	0.00318	2.09858	2.11462	2.10357	2.1445	1.90E-08	7.78E-05	1.56E-06	4.79E-04	9.03E-07	5.12E-04	1.07E-03
82 UCAF	571790.55	4177879	571790.55, 4177878.99	1.9878	0.00312	1.99111	2.0191	2.01114	2.06906	1.81E-08	7.63E-05	1.48E-06	4.57E-04	8.63E-07	4.94E-04	1.03E-03
83 UCAF	571830.55	4177879	571830.55, 4177878.99	1.88977	0.00302	1.88642	1.92321	1.9186	1.98953	1.72E-08	7.39E-05	1.41E-06	4.35E-04	8.23E-07	4.75E-04	9.86E-04
84 UCAF	571870.55	4177879	571870.55, 4177878.99	1.79417	0.00291	1.78571	1.82779	1.82729	1.90595	1.63E-08	7.12E-05	1.33E-06	4.14E-04	7.84E-07	4.55E-04	9.42E-04
85 UCAF	570230.55	4177919	570230.55, 4177918.99	1.27459	0.0006	1.29549	1.30506	1.18937	1.23205	1.16E-08	1.47E-05	9.65E-07	2.95E-04	5.10E-07	2.94E-04	6.06E-04
86 UCAF	570270.55	4177919	570270.55, 4177918.99	1.36835	0.00065	1.38951	1.39956	1.27144	1.32109	1.25E-08	1.59E-05	1.04E-06	3.17E-04	5.45E-07	3.15E-04	6.50E-04
87 UCAF	570310.55	4177919	570310.55, 4177918.99	1.46974	0.00067	1.49803	1.50707	1.35994	1.41372	1.34E-08	1.64E-05	1.12E-06	3.41E-04	5.83E-07	3.37E-04	6.97E-04
88 UCAF	570350.55	4177919	570350.55, 4177918.99	1.57375	0.00067	1.61752	1.62656	1.45092	1.50699	1.43E-08	1.64E-05	1.20E-06	3.68E-04	6.23E-07	3.60E-04	7.46E-04
89 UCAF	570390.55	4177919	570390.55, 4177918.99	1.67953	0.00067	1.75105	1.76145	1.54397	1.60021	1.53E-08	1.64E-05	1.30E-06	3.99E-04	6.62E-07	3.82E-04	7.99E-04
90 UCAF	570430.55	4177919	570430.55, 4177918.99	1.7852	0.00065	1.90142	1.91522	1.63787	1.69236	1.63E-08	1.59E-05	1.42E-06	4.34E-04	7.03E-07	4.04E-04	8.55E-04
91 UCAF	570470.55	4177919	570470.55, 4177918.99	1.89028	0.00063	2.07502	2.09348	1.73258	1.78289	1.72E-08	1.54E-05	1.55E-06	4.74E-04	7.43E-07	4.25E-04	9.17E-04
92 UCAF	570510.55	4177919	570510.55, 4177918.99	1.99605	0.00061	2.28348	2.30571	1.82937	1.87207	1.82E-08	1.49E-05	1.70E-06	5.22E-04	7.85E-07	4.47E-04	9.86E-04
93 UCAF	570550.55	4177919	570550.55, 4177918.99	2.09878	0.0006	2.53326	2.56035	1.92527	1.95784	1.91E-08	1.47E-05	1.89E-06	5.80E-04	8.26E-07	4.67E-04	1.06E-03
94 UCAF	570590.55	4177919	570590.55, 4177918.99	2.19726	0.00059	2.83857	2.87327	2.01921	2.03915	2.00E-08	1.44E-05	2.11E-06	6.50E-04	8.66E-07	4.87E-04	1.15E-03
95 UCAF	570630.55	4177919	570630.55, 4177918.99	2.28926	0.00056	3.21871	3.26817	2.10889	2.11524	2.08E-08	1.37E-05	2.40E-06	7.40E-04	9.05E-07	5.05E-04	1.26E-03
96 UCAF	570670.55	4177919	570670.55, 4177918.99	2.37825	0.00052	3.71661	3.78781	2.19632	2.18732	2.17E-08	1.27E-05	2.77E-06	8.57E-04	9.42E-07	5.22E-04	1.40E-03
97 UCAF	570710.55	4177919	570710.55, 4177918.99	2.4661	0.00047	4.40047	4.502	2.28216	2.25834	2.25E-08	1.15E-05	3.28E-06	1.02E-03	9.79E-07	5.39E-04	1.57E-03
98 UCAF	570750.55	4177919	570750.55, 4177918.99	2.55345	0.00042	5.35494	5.48605	2.36585	2.33123	2.32E-08	1.03E-05	3.99E-06	1.24E-03	1.02E-06	5.56E-04	1.81E-03
99 UCAF	570790.55	4177919	570790.55, 4177918.99	2.64243	0.00038	6.53692	6.63708	2.44847	2.40806	2.41E-08	9.30E-06	4.87E-06	1.50E-03	1.05E-06	5.75E-04	2.09E-03
100 UCAF	570830.55	4177919	570830.55, 4177918.99	2.73657	0.00037	7.60697	7.858	2.53302	2.49168	2.49E-08	9.05E-06	5.67E-06	1.78E-03	1.09E-06	5.95E-04	2.39E-03
101 UCAF	570870.55	4177919	570870.55, 4177918.99	2.83763	0.00037	8.10634	8.36171	2.62176	2.58307	2.58E-08	9.05E-06	6.04E-06	1.89E-03	1.12E-06	6.16E-04	2.53E-03
102 UCAF	570910.55	4177919	570910.55, 4177918.99	2.94315	0.00037	7.43587	7.6161	2.71426	2.6779	2.68E-08	9.05E-06	5.54E-06	1.72E-03	1.16E-06	6.39E-04	2.38E-03
103 UCAF	570950.55	4177919	570950.55, 4177918.99	3.05293	0.00038	6.54181	6.65502	2.81162	2.77376	2.78E-08	9.30E-06	4.87E-06	1.51E-03	1.21E-06	6.62E-04	2.18E-03

104	UCAF	570990.55	4177919	570990.55, 4177918.99	3.16422	0.00039	5.81447	5.87737	2.9126	2.87344	2.88E-08	9.54E-06	4.33E-06	1.33E-03	1.25E-06	6.86E-04	2.03E-03
105	UCAF	571030.55	4177919	571030.55, 4177918.99	3.2741	0.00041	5.26149	5.29338	3.01451	2.97713	2.98E-08	1.00E-05	3.92E-06	1.20E-03	1.29E-06	7.10E-04	1.92E-03
106	UCAF	571070.55	4177919	571070.55, 4177918.99	3.37774	0.00043	4.84054	4.85418	3.11417	3.07939	3.08E-08	1.05E-05	3.61E-06	1.10E-03	1.34E-06	7.35E-04	1.85E-03
107	UCAF	571110.55	4177919	571110.55, 4177918.99	3.46964	0.00048	4.51817	4.51957	3.20882	3.17341	3.16E-08	1.17E-05	3.37E-06	1.02E-03	1.38E-06	7.57E-04	1.80E-03
108	UCAF	571150.55	4177919	571150.55, 4177918.99	3.53966	0.00054	4.26571	4.26056	3.29142	3.25805	3.22E-08	1.32E-05	3.18E-06	9.64E-04	1.41E-06	7.77E-04	1.76E-03
109	UCAF	571190.55	4177919	571190.55, 4177918.99	3.5787	0.00062	4.06414	4.05859	3.35396	3.33058	3.26E-08	1.52E-05	3.03E-06	9.19E-04	1.44E-06	7.95E-04	1.73E-03
110	UCAF	571230.55	4177919	571230.55, 4177918.99	3.57932	0.00074	3.89822	3.89952	3.38699	3.38324	3.26E-08	1.81E-05	2.90E-06	8.83E-04	1.45E-06	8.07E-04	1.71E-03
111	UCAF	571270.55	4177919	571270.55, 4177918.99	3.54895	0.00094	3.77137	3.77653	3.39321	3.40786	3.23E-08	2.30E-05	2.81E-06	8.55E-04	1.46E-06	8.13E-04	1.70E-03
112	UCAF	571310.55	4177919	571310.55, 4177918.99	3.4867	0.0012	3.66688	3.67545	3.3651	3.38757	3.17E-08	2.94E-05	2.73E-06	8.32E-04	1.44E-06	8.08E-04	1.67E-03
113	UCAF	571350.55	4177919	571350.55, 4177918.99	3.40123	0.00154	3.57173	3.58523	3.30789	3.31492	3.10E-08	3.77E-05	2.66E-06	8.12E-04	1.42E-06	7.91E-04	1.64E-03
114	UCAF	571390.55	4177919	571390.55, 4177918.99	3.29011	0.00193	3.46836	3.48649	3.21817	3.1933	3.00E-08	4.72E-05	2.58E-06	7.89E-04	1.38E-06	7.62E-04	1.60E-03
115	UCAF	571430.55	4177919	571430.55, 4177918.99	3.18241	0.00236	3.36414	3.38527	3.12654	3.07137	2.90E-08	5.77E-05	2.51E-06	7.66E-04	1.34E-06	7.33E-04	1.56E-03
116	UCAF	571470.55	4177919	571470.55, 4177918.99	3.08269	0.00283	3.25638	3.2728	3.04068	2.97299	2.81E-08	6.92E-05	2.43E-06	7.41E-04	1.30E-06	7.09E-04	1.52E-03
117	UCAF	571510.55	4177919	571510.55, 4177918.99	2.96775	0.00317	3.12347	3.12089	2.93893	2.88085	2.70E-08	7.76E-05	2.33E-06	7.06E-04	1.26E-06	6.87E-04	1.48E-03
118	UCAF	571550.55	4177919	571550.55, 4177918.99	2.84761	0.00345	2.9821	2.95923	2.83099	2.79421	2.59E-08	8.44E-05	2.22E-06	6.70E-04	1.21E-06	6.67E-04	1.42E-03
119	UCAF	571590.55	4177919	571590.55, 4177918.99	2.72456	0.00365	2.83732	2.81369	2.72007	2.70778	2.48E-08	8.93E-05	2.11E-06	6.37E-04	1.17E-06	6.46E-04	1.38E-03
120	UCAF	571630.55	4177919	571630.55, 4177918.99	2.5992	0.00376	2.69134	2.68301	2.60643	2.619	2.37E-08	9.20E-05	2.00E-06	6.07E-04	1.12E-06	6.25E-04	1.33E-03
121	UCAF	571670.55	4177919	571670.55, 4177918.99	2.47324	0.0038	2.5467	2.55827	2.49142	2.52866	2.25E-08	9.30E-05	1.90E-06	5.79E-04	1.07E-06	6.03E-04	1.28E-03
122	UCAF	571710.55	4177919	571710.55, 4177918.99	2.34629	0.00375	2.40262	2.43245	2.37377	2.43389	2.14E-08	9.18E-05	1.79E-06	5.51E-04	1.02E-06	5.81E-04	1.23E-03
123	UCAF	571750.55	4177919	571750.55, 4177918.99	2.22209	0.00366	2.26349	2.30727	2.25744	2.33619	2.02E-08	8.96E-05	1.69E-06	5.22E-04	9.69E-07	5.57E-04	1.17E-03
124	UCAF	571790.55	4177919	571790.55, 4177918.99	2.10128	0.00353	2.12994	2.18219	2.14277	2.23365	1.91E-08	8.64E-05	1.59E-06	4.94E-04	9.19E-07	5.33E-04	1.12E-03
125	UCAF	571830.55	4177919	571830.55, 4177918.99	1.98386	0.00335	2.00216	2.05772	2.02965	2.12535	1.81E-08	8.20E-05	1.49E-06	4.66E-04	8.71E-07	5.07E-04	1.06E-03
126	UCAF	571870.55	4177919	571870.55, 4177918.99	1.87146	0.00318	1.88178	1.93685	1.91999	2.01403	1.70E-08	7.78E-05	1.40E-06	4.38E-04	8.24E-07	4.81E-04	9.99E-04
127	UCAF	570230.55	4177959	570230.55, 4177958.99	1.29867	0.00063	1.33829	1.3475	1.21367	1.24784	1.18E-08	1.54E-05	9.97E-07	3.05E-04	5.21E-07	2.98E-04	6.20E-04
128	UCAF	570270.55	4177959	570270.55, 4177958.99	1.40488	0.0007	1.44183	1.45115	1.30611	1.34912	1.28E-08	1.71E-05	1.07E-06	3.28E-04	5.60E-07	3.22E-04	6.69E-04
129	UCAF	570310.55	4177959	570310.55, 4177958.99	1.51693	0.00075	1.55479	1.56546	1.4032	1.45518	1.38E-08	1.84E-05	1.16E-06	3.54E-04	6.02E-07	3.47E-04	7.22E-04
130	UCAF	570350.55	4177959	570350.55, 4177958.99	1.64007	0.00077	1.68808	1.69793	1.50941	1.56712	1.49E-08	1.88E-05	1.26E-06	3.84E-04	6.48E-07	3.74E-04	7.79E-04
131	UCAF	570390.55	4177959	570390.55, 4177958.99	1.76815	0.00077	1.83774	1.84802	1.61993	1.68153	1.61E-08	1.88E-05	1.37E-06	4.18E-04	6.95E-07	4.01E-04	8.40E-04
132	UCAF	570430.55	4177959	570430.55, 4177958.99	1.89569	0.00076	2.00191	2.01749	1.73071	1.79578	1.73E-08	1.86E-05	1.49E-06	4.57E-04	7.43E-07	4.29E-04	9.06E-04
133	UCAF	570470.55	4177959	570470.55, 4177958.99	2.03291	0.00073	2.20534	2.22305	1.85057	1.91362	1.85E-08	1.79E-05	1.64E-06	5.03E-04	7.94E-07	4.57E-04	9.80E-04
134	UCAF	570510.55	4177959	570510.55, 4177958.99	2.17175	0.00071	2.44902	2.46886	1.97346	2.03102	1.98E-08	1.74E-05	1.82E-06	5.59E-04	8.47E-07	4.85E-04	1.06E-03
135	UCAF	570550.55	4177959	570550.55, 4177958.99	2.30712	0.00069	2.74112	2.76781	2.09557	2.14595	2.10E-08	1.69E-05	2.04E-06	6.27E-04	8.99E-07	5.12E-04	1.16E-03
136	UCAF	570590.55	4177959	570590.55, 4177958.99	2.43824	0.00068	3.1067	3.14579	2.21682	2.25764	2.22E-08	1.66E-05	2.31E-06	7.12E-04	9.51E-07	5.39E-04	1.27E-03
137	UCAF	570630.55	4177959	570630.55, 4177958.99	2.56308	0.00065	3.58302	3.64487	2.33548	2.36419	2.33E-08	1.59E-05	2.67E-06	8.25E-04	1.00E-06	5.64E-04	1.41E-03
138	UCAF	570670.55	4177959	570670.55, 4177958.99	2.68415	0.00061	4.24777	4.34746	2.45265	2.46462	2.44E-08	1.49E-05	3.16E-06	9.84E-04	1.05E-06	5.88E-04	1.59E-03
139	UCAF	570710.55	4177959	570710.55, 4177958.99	2.80189	0.00054	5.2673	5.441	2.56774	2.55998	2.55E-08	1.32E-05	3.92E-06	1.23E-03	1.10E-06	6.11E-04	1.86E-03
140	UCAF	570750.55	4177959	570750.55, 4177958.99	2.91633	0.00049	7.07784	7.46413	2.67913	2.65316	2.66E-08	1.20E-05	5.27E-06	1.69E-03	1.15E-06	6.33E-04	2.34E-03
141	UCAF	570790.55	4177959	570790.55, 4177958.99	3.02937	0.00044	11.35157	12.99004	2.78672	2.74763	2.76E-08	1.08E-05	8.46E-06	2.94E-03	1.20E-06	6.56E-04	3.62E-03
142	UCAF	570830.55	4177959	570830.55, 4177958.99	3.14841	0.00042	13.33992	16.02833	2.89589	2.84913	2.87E-08	1.03E-05	9.94E-06	3.63E-03	1.24E-06	6.80E-04	4.33E-03
143	UCAF	570870.55	4177959	570870.55, 4177958.99	3.2745	0.00041	16.02658	18.79186	3.00731	2.96082	2.98E-08	1.00E-05	1.19E-05	4.25E-03	1.29E-06	7.07E-04	4.98E-03
144	UCAF	570910.55	4177959	570910.55, 4177958.99	3.40647	0.00041	11.02445	11.59423	3.12219	3.07876	3.10E-08	1.00E-05	8.21E-06	2.62E-03	1.34E-06	7.35E-04	3.38E-03
145	UCAF	570950.55	4177959	570950.55, 4177958.99	3.54535	0.00042	8.56381	8.7443	3.24363	3.19962	3.23E-08	1.03E-05	6.38E-06	1.98E-03	1.39E-06	7.63E-04	2.76E-03
146	UCAF	570990.55	4177959	570990.55, 4177958.99	3.68761	0.00043	7.14551	7.2227	3.37071	3.32645	3.36E-08	1.05E-05	5.32E-06	1.63E-03	1.45E-06	7.94E-04	2.45E-03
147	UCAF	571030.55	4177959	571030.55, 4177958.99	3.82743	0.00045	6.24299	6.2874	3.4998	3.4584	3.48E-08	1.10E-05	4.65E-06	1.42E-03	1.50E-06	8.25E-04	2.27E-03
148	UCAF	571070.55	4177959	571070.55, 4177958.99	3.9587	0.00049	5.63095	5.66284	3.62651	3.58691	3.60E-08	1.20E-05	4.19E-06	1.28E-03	1.56E-06	8.56E-04	2.16E-03
149	UCAF	571110.55	4177959	571110.55, 4177958.99	4.07164	0.00056	5.20167	5.22475	3.74548	3.70497	3.71E-08	1.37E-05	3.87E-06	1.18E-03	1.61E-06	8.84E-04	2.09E-03
150	UCAF	571150.55	4177959	571150.55, 4177958.99	4.1491	0.00065	4.88594	4.90329	3.8448	3.81039	3.78E-08	1.59E-05	3.64E-06	1.11E-03	1.65E-06	9.09E-04	2.04E-03
151	UCAF	571190.55	4177959	571190.55, 4177958.99	4.17895	0.00078	4.64475	4.6605	3.91231	3.8964	3.81E-08	1.91E-05	3.46E-06	1.05E-03	1.68E-06	9.30E-04	2.01E-03
152	UCAF	571230.55	4177959	571230.55, 4177958.99	4.15993	0.00102	4.45987	4.47798	3.94102	3.95012	3.79E-08	2.50E-05	3.32E-06	1.01E-03	1.69E-06	9.43E-04	1.99E-03
153	UCAF	571270.55	4177959	571270.55, 4177958.99	4.10005	0.00132	4.32437	4.34445	3.9303	3.95446	3.73E-08	3.23E-05	3.22E-06	9.83E-04	1.69E-06	9.44E-04	1.96E-03
154	UCAF	571310.55	4177959	571310.55, 4177958.99	4.00192	0.00174	4.21335	4.23917	3.87412	3.89012	3.64E-08	4.26E-05	3.14E-06	9.60E-04	1.66E-06	9.28E-04	1.94E-03
155	UCAF	571350.55	4177959	571350.55, 4177958.99	3.8815	0.00226	4.11538	4.14699	3.78598	3.76599	3.53E-08	5.53E-05	3.07E-06	9.39E-04	1.62E-06	8.99E-04	1.90E-03
156	UCAF	571390.55	4177959	571390.55, 4177958.99	3.74326	0.00283	4.01086	4.04714	3.67169	3.61358	3.41E-08	6.92E-05	2.99E-06	9.16E-04	1.58E-06	8.62E-04	1.85E-03
157	UCAF	571430.55	4177959	571430.55, 4177958.99	3.60266	0.00338	3.88884	3.92421	3.55116	3.47654	3.28E-08	8.27E-05	2.90E-06	8.88E-04	1.52E-06	8.30E-04	1.80E-03
158	UCAF	571470.55	4177959	571470.55, 4177958.99	3.45664	0.00381	3.73854	3.75582	3.4241	3.35991	3.15E-08	9.32E-05	2.78E-06	8.50E-04	1.47E-06	8.02E-04	1.75E-03
159	UCAF	571510.55	4177959	571510.55, 4177958.99	3.30334	0.00418	3.56459	3.55206	3.28919	3.25182	3.01E-08	1.02E-04	2.66E-06	8.04E-04	1.41E-06	7.76E-04	1.69E-03
160	UCAF	571550.55	4177959	571550.55, 4177958.99	3.14414	0.00441	3.37788	3.3599	3.14705	3.14202	2.86E-08	1.08E-04	2.52E-06	7.61E-04	1.35E-06	7.50E-04	1.62E-03
161	UCAF	571590.55	4177959	571590.55, 4177958.99	2.98205	0.00454	3.18413	3.18684	3.00076	3.02873	2.72E-08	1.11E-04	2.37E-06	7.21E-04	1.29E-06	7.23E-04	1.56E-03
162	UCAF	571630.55	4177959	571630.55, 4177958.99	2.82029	0.00454	2.98955	3.01979	2.85341	2.91297	2.57E-08	1.11E-04	2.23E-06	6.84E-04	1.22E-06	6.95E-04	1.49E-03
163	UCAF	571670.55	4177959	571670.55, 4177958.99	2.65888	0.00446	2.79557	2.84865	2.70336	2.78976	2.42E-08	1.09E-04	2.08E-06	6.45E-04	1.16E-06	6.66E-04	1.42E-03
164	UCAF	571710.55	4177959	571710.55, 4177958.99	2.50021	0.00432	2.60713	2.67429	2.55329	2.65844	2.28E-08	1.06E-04	1.94E-06	6.05E-04	1.10E-06	6.34E-04	1.35E-03
165	UCAF	571750.55	4177959	571750.55, 4177958.99	2.3486	0.00412	2.43012	2.50277	2.40794	2.5222	2.14E-08	1.01E-04	1.81E-06	5.67E-04	1.03E-06	6.02E-04	1.27E-03
166	UCAF	571790.55	4177959	571790.55, 4177958.99	2.20384	0.0039	2.2647	2.33655	2.26701	2.38121	2.01E-08	9.54E-05	1.69E-06	5.29E-04	9.73E-07	5.68E-04	1.20E-03
167	UCAF	571830.55	4177959	571830.55, 4177958.99	2.06674	0.00367	2.11162	2.17899	2.13167	2.23882	1.88E-08	8.98E-05	1.57E-06	4.93E-04	9.15E-07	5.34E-04	1.12E-03
168	UCAF	571870.55	4177959	571870.55, 4177958.99	1.93788	0.00343	1.97095	2.0321	2.00295	2.09868	1.76E-08	8.39E-05	1.47E-06	4.60E-04	8.59E-07	5.01E-04	1.05E-03
169	UCAF	570230.55	4177999	570230.55, 4177998.99	1.31113	0.00064	1.37652	1.38626	1.2289	1.2529	1.19E-08	1.57E-05	1.03E-06	3.14E-04	5.27E-07	2.99E-04	6.30E-04
170	UCAF	570270.55	4177999	570270.55, 4177998.99	1.42813	0.00073	1.48982	1.49939	1.33076	1.36399	1.30E-08	1.79E-05	1.11E-06	3.39E-04	5.71E-07	3.25E-04	6.84E-04
171	UCAF	570310.55	4177999	570310.55, 4177998.99	1.55538	0.0008	1.61552	1.62546	1.44056	1.48397	1.42E-08	1.96E-05	1.20E-06	3.68E-04	6.18E-07	3.54E-04	7.43E-04
172	UCAF	570350.55	4177999	570350.55, 4177998.99	1.69239	0.00087	1.75609	1.76742	1.55795	1.61165	1.54E-08	2.13E-05	1.31E-06	4.00E-04	6.68E-07	3.85E-04	8.08E-04
173	UCAF	570390.55	4177999	570390.55, 4177998.99	1.84003	0.00089	1.9174	1.93057	1.68376	1.74624	1.68E-08	2.18E-05	1.43E-06	4.37E-04	7.22E-07	4.17E-04	8.78E-04
174	UCAF	570430.55	4177999	570430.55, 4177998.99	1.99922	0.00089	2.10776	2.12281	1.81908	1.88749	1.82E-08	2.18E-05	1.57E-06	4.81E-04	7.80E-07	4.50E-04	9.55E-04
175	UCAF	570470.55	4177999	570470.55, 4177998.99	2.1715	0.00087	2.34065	2.35494	1.96565	2.03495	1.98E-08	2.13E-05	1.74E-06	5.33E-04	8.43E-07	4.86E-04	1.04E-03
176	UCAF	570510.55	4177999	570510.55, 4177998.99	2.34559	0.00084	2.61297	2.63186	2.11487	2.18414	2.14E-08	2.06E-05	1.95E-06	5.96E-04	9.07E-07	5.21E-04	1.14E-03
177	UCAF	570550.55	4177999	570550.55, 4177998.99	2.5217	0.00081	2.94778	2.97535	2.26787	2.33505	2.30E-08	1.98E-05	2.20E-06	6.73E-04	9.73E-07	5.57E-04	1.25E-03
178	UCAF	570590.55	4177999	570590.55, 4177998.99	2.69809	0.00078	3.37727	3.4215	2.42501	2.48725	2.46E-08	1.91E-05	2.52E-06	7.74E-04	1.04E-06	5.94E-04	1.39E-03
179	UCAF	570630.55	4177999	570630.55, 4177998.99	2.87017	0.00076	3.95241	4.02813	2.58232	2.63662	2.61E-08	1.86E-05	2.94E-06	9.12E-04	1.11E-06	6.29E-04	1.56E-03
180	UCAF	570670.55	4177999	570670.55, 4177998.99	3.03923	0.00071	4.78415	4.91945	2.7407	2.78061	2.77E-08	1.74E-05	3.56E-06	1.11E-03	1.18E-06	6.64E-04	1.80E-03
181	UCAF	570710.55	4177999	570710.55, 4177998.99	3.20306	0.00064	6.12165	6.40198	2.89777	2.91705	2.92E-08	1.57E-05	4.56E-06	1.45E-03	1.24E-06	6.96E-04	2.17E-03
182	UCAF	570750.55	4177999	570750.55, 4177998.99	3.35985	0.00057	8.72422	9.50832	3.05054	3.04635	3.06E-08	1.39E-05	6.50E-06	2.15E-03	1.31E-06	7.27E-04	2.90E-03
183	UCAF	570790.55	4177999	570790.55, 4177998.99	3.51233	0.00051	16.00794	20.91264	3.19836	3.17116	3.20E-08	1.25E-05	1.19E-05	4.73E-03	1.37E-06	7.57E-04	5.52E-03
184	UCAF	570830.55	4177999	570830.55, 4177998.99	3.6687	0.00048	20.10375	37.65545	3.34554	3.29882	3.34E-08	1.17E-05	1.50E-05	8.52E-03	1.44E-06	7.87E-04	9.34E-03
185	UCAF	570870.55	4177999	570870.55, 4177998.99	3.82999	0.00046	23.01952	28.77495	3.49112	3.43739	3.49E-08	1.13E-05	1.71E-05	6.51E-03	1.50E-06	8.20E-04	7.36E-03
186	UCAF	570910.55	4177999	570910.55, 4177998.99	3.99873	0.00046	14.44649	15.57978	3.63845	3.58641	3.64E-08	1.13E-05	1.08E-05	3.53E-03	1.56E-06	8.56E-04	4.41E-03
187	UCAF	570950.55	4177999	570950.55, 4177998.99	4.17778	0.00047	10.56728	10.94757	3.79318	3.74165	3.80E-08	1.15E-05	7.87E-06	2.48E-03	1.63E-06	8.93E-04	3.39E-03
188	UCAF	570990.55	4177999	570990.55, 4177998.99	4.36297	0.00048	8.49099	8.67279	3.95617	3.90685	3.97E-08	1.17E-05	6.32E-06	1.96E-03	1.70E-06	9.32E-04	2.92E-03
189	UCAF	571030.55	4177999	571030.55, 4177998.99	4.54556	0.00051	7.25155	7.36705	4.1231	4.07797	4.14E-08	1.25E-05	5.40E-06	1.67E-03	1.77E-06	9.73E-04	2.66E-03
190	UCAF	571070.55	4177999	571070.55, 4177998.99	4.71749	0.00059	6.46589	6.55285	4.2889	4.2428	4.30E-08	1.44E-05	4.82E-06	1.48E-03	1.84E-06	1.01E-03	2.52E-03
191	UCAF	571110.55	4177999	571110.55, 4177998.99	4.84113	0.00068	5.92758	6.0003	4.42544	4.38119	4.41E-08	1.66E-05	4.42E-06	1.36E-03	1.90E-06	1.05E-03	2.43E-03
192	UCAF	571150.55	4177999	571150.55, 4177998.99	4.93835	0.00083	5.59055	5.65774	4.56107	4.52875	4.50E-08	2.03E-05	4.16E-06	1.28E-03	1.96E-06	1.08E-03	2.39E-03
193	UCAF	571190.55	4177999	571190.55, 4177998.99	4.95051	0.00109	5.33909	5.40103	4.63429	4.63001	4.51E-08	2.67E-05	3.98E-06	1.22E-03	1.99E-06	1.10E-03	2.36E-03
194	UCAF	571230.55	4177999	571230.55, 4177998.99	4.89817	0.00145	5.16803	5.21816	4.65159	4.67353	4.46E-08	3.55E-05	3.85E-06	1.18E-03	2.00E-06	1.12E-03	2.34E-03
195	UCAF	571270.55	4177999	571270.55, 4177998.99	4.78909	0.00196	5.04218	5.08894	4.60695	4.63205	4.36E-08	4.80E-05	3.76E-06	1.15E-03	1.98E-06	1.11E-03	2.31E-03
196	UCAF	571310.55	4177999	571310.55, 4177998.99	4.64144	0.00261	4.94467	4.99891	4.50992	4.5001	4.23E-08	6.39E-05	3.68E-06	1.13E-03	1.93E-06	1.07E-03	2.27E-03
197	UCAF	571350.55	4177999	571350.55, 4177998.99	4.47207	0.00335	4.86003	4.92338	4.37901	4.31952	4.07E-08	8.20E-05	3.62E-06	1.11E-03	1.88E-06	1.03E-03	2.23E-03
198	UCAF	571390.55	4177999	571390.55, 4177998.99	4.28665	0.00405	4.76078	4.82694	4.22418	4.14065	3.90E-08	9.91E-05	3.55E-06	1.09E-03	1.81E-06	9.88E-04	2.19E-03
199	UCAF	571430.55	4177999	571430.55, 4177998.99	4.0887	0.00462	4.60593	4.65959	4.05349	3.98293	3.72E-08	1.13E-04	3.43E-06	1.05E-03	1.74E-06	9.50E-04	2.12E-03
200	UCAF	571470.55	4177999	571470.55, 4177998.99	3.88631	0.00507	4.3985	4.4105	3.87864	3.84328	3.54E-08	1.24E-04	3.28E-06	9.98E-04	1.66E-06	9.17E-04	2.04E-03
201	UCAF	571510.55	4177999	571510.55, 4177998.99	3.67518	0.00535	4.15049	4.14645	3.69249	3.70093	3.35E-08	1.31E-04	3.09E-06	9.39E-04	1.58E-06	8.83E-04	1.96E-03
202	UCAF	571550.55	4177999	571550.55, 4177998.99	3.4598	0.00547	3.87681	3.90188	3.49843	3.55095	3.15E-08	1.34E-04	2.89E-06	8.83E-04	1.50E-06	8.47E-04	1.87E-03
203	UCAF	571590.55	4177999	571590.55, 4177998.99	3.24654	0.00544	3.59501	3.65807	3.30358	3.39562	2.96E-08	1.33E-04	2.68E-06	8.28E-04	1.42E-06	8.10E-04	1.78E-03
204	UCAF	571630.55	4177999	571630.55, 4177998.99	3.03704	0.00531	3.31625	3.40498	3.10778	3.22946	2.77E-08	1.30E-04	2.47E-06	7.71E-04	1.33E-06	7.71E-04	1.68E-03
205	UCAF	571670.55	4177999	571670.55, 4177998.99	2.83404	0.0051	3.05133	3.1498	2.91364	3.05162	2.58E-08	1.25E-04	2.27E-06	7.13E-04	1.25E-06	7.28E-04	1.57E-03
206	UCAF	571710.55	4177999	571710.55, 4177998.99	2.64032	0.00484	2.80659	2.90314	2.7251	2.86594	2.40E-08	1.18E-04	2.09E-06	6.57E-04	1.17E-06	6.84E-04	1.46E-03
207	UCAF	571750.55	4177999	571750.55, 4177998.99	2.45972	0.00452	2.58618	2.67497	2.54672	2.68008	2.24E-08	1.11E-04	1.93E-06	6.05E-04	1.09E-06	6.40E-04	1.36E-03
208	UCAF	571790.55	4177999	571790.55, 4177998.99	2.29107	0.00422	2.38767	2.46643	2.37776	2.49703	2.09E-08	1.03E-04	1.78E-06	5.58E-04	1.02E-06	5.96E-04	1.26E-03
209	UCAF	571830.55	4177999	571830.55, 4177998.99	2.13505	0.00393	2.20992	2.27835	2.21963	2.32185	1.94E-08	9.62E-05	1.65E-06	5.16E-04	9.52E-07	5.54E-04	1.17E-03
210	UCAF	571870.55	4177999	571870.55, 4177998.99	1.99144	0.00365	2.05084	2.10945	2.07269	2.15754	1.81E-08	8.93E-05	1.53E-06	4.77E-04	8.89E-07	5.15E-04	1.08E-03
211	UCAF	570230.55	4178039	570230.55, 4178038.99	1.31389	0.00061	1.41124	1.42127	1.23629	1.24919	1.20E-08	1.49E-05	1.05E-06	3.22E-04	5.30E-07	2.98E-04	6.36E-04
212	UCAF	570270.55	4178039	570270.55, 4178038.99	1.43855	0.00073	1.53295	1.5435	1.34549	1.36756	1.31E-08	1.79E-05	1.14E-06	3.49E-04	5.77E-07	3.26E-04	6.95E-04
213	UCAF	570310.55	4178039	570310.55, 4178038.99	1.57728	0.00084	1.66952	1.68065	1.46555	1.49828	1.44E-08	2.06E-05	1.24E-06	3.80E-04	6.29E-07	3.58E-04	7.60E-04
214	UCAF	570350.55	4178039	570350.55, 4178038.99	1.73131	0.00093	1.82498	1.83667	1.59729	1.64137	1.58E-08	2.28E-05	1.36E-06	4.16E-04	6.85E-07	3.92E-04	8.32E-04
215	UCAF	570390.55	4178039	570390.55, 4178038.99	1.89916	0.00101	2.00087	2.01481	1.73944	1.79545	1.73E-08	2.47E-05	1.49E-06	4.56E-04	7.46E-07	4.28E-04	9.11E-04
216	UCAF	570430.55	4178039	570430.55, 4178038.99	2.08709	0.00103	2.21336	2.22785	1.89716	1.96211	1.90E-08	2.52E-05	1.65E-06	5.04E-04	8.14E-07	4.68E-04	1.00E-03
217	UCAF	570470.55	4178039	570470.55, 4178038.99	2.29235	0.00104	2.46931	2.48377	2.06848	2.13894	2.09E-08	2.54E-05	1.84E-06	5.62E-04	8.87E-07	5.10E-04	1.10E-03
218	UCAF	570510.55	4178039	570510.55, 4178038.99	2.50842	0.00101	2.77472	2.79366	2.24854	2.32351	2.28E-08	2.47E-05	2.07E-06	6.32E-04	9.65E-07	5.54E-04	1.21E-03
219	UCAF	570550.55	4178039	570550.55, 4178038.99	2.73425	0.00097	3.15424	3.18266	2.43803	2.51598	2.49E-08	2.37E-05	2.35E-06	7.20E-04	1.05E-06	6.00E-04	1.35E-03

220 UCAF	570590.55	4178039	570590.55, 4178038.99	2.96805	0.00092	3.64802	3.69571	2.63782	2.71688	2.70E-08	2.25E-05	2.72E-06	8.37E-04	1.13E-06	6.48E-04	1.51E-03
221 UCAF	570630.55	4178039	570630.55, 4178038.99	3.20362	0.00089	4.32133	4.40707	2.84331	2.92155	2.92E-08	2.18E-05	3.22E-06	9.98E-04	1.22E-06	6.97E-04	1.72E-03
222 UCAF	570670.55	4178039	570670.55, 4178038.99	3.44094	0.00084	5.31482	5.48152	3.05556	3.12667	3.13E-08	2.06E-05	3.96E-06	1.24E-03	1.31E-06	7.46E-04	2.01E-03
223 UCAF	570710.55	4178039	570710.55, 4178038.99	3.67448	0.00076	6.94561	7.33682	3.27096	3.32703	3.35E-08	1.86E-05	5.17E-06	1.66E-03	1.40E-06	7.94E-04	2.48E-03
224 UCAF	570750.55	4178039	570750.55, 4178038.99	3.90025	0.00067	10.13567	11.38655	3.48556	3.51877	3.55E-08	1.64E-05	7.55E-06	2.58E-03	1.50E-06	8.40E-04	3.44E-03
225 UCAF	570790.55	4178039	570790.55, 4178038.99	4.11835	0.0006	18.5462	26.60902	3.69653	3.69989	3.75E-08	1.47E-05	1.38E-05	6.02E-03	1.59E-06	8.83E-04	6.94E-03
226 UCAF	570830.55	4178039	570830.55, 4178038.99	4.33555	0.00055	22.95233	34.00778	3.90498	3.87403	3.95E-08	1.35E-05	1.71E-05	7.70E-03	1.68E-06	9.24E-04	8.65E-03
227 UCAF	570870.55	4178039	570870.55, 4178038.99	4.55288	0.00051	25.02321	29.4616	4.10726	4.05307	4.15E-08	1.25E-05	1.86E-05	6.67E-03	1.76E-06	9.67E-04	7.67E-03
228 UCAF	570910.55	4178039	570910.55, 4178038.99	4.7763	0.00051	15.9521	16.94626	4.30629	4.24511	4.35E-08	1.25E-05	1.19E-05	3.84E-03	1.85E-06	1.01E-03	4.88E-03
229 UCAF	570950.55	4178039	570950.55, 4178038.99	5.01193	0.00052	11.73304	12.11937	4.50945	4.44866	4.56E-08	1.27E-05	8.74E-06	2.74E-03	1.93E-06	1.06E-03	3.83E-03
230 UCAF	570990.55	4178039	570990.55, 4178038.99	5.2599	0.00054	9.44343	9.6562	4.72393	4.66843	4.79E-08	1.32E-05	7.03E-06	2.19E-03	2.03E-06	1.11E-03	3.32E-03
231 UCAF	571030.55	4178039	571030.55, 4178038.99	5.5097	0.00059	8.07939	8.226	4.94886	4.89791	5.02E-08	1.44E-05	6.02E-06	1.86E-03	2.12E-06	1.17E-03	3.05E-03
232 UCAF	571070.55	4178039	571070.55, 4178038.99	5.73235	0.00071	7.21846	7.33814	5.16472	5.11339	5.22E-08	1.74E-05	5.38E-06	1.66E-03	2.22E-06	1.22E-03	2.91E-03
233 UCAF	571110.55	4178039	571110.55, 4178038.99	5.88545	0.00085	6.58644	6.69945	5.3229	5.25459	5.36E-08	2.08E-05	4.91E-06	1.52E-03	2.28E-06	1.25E-03	2.80E-03
234 UCAF	571150.55	4178039	571150.55, 4178038.99	5.98154	0.00115	6.34167	6.45611	5.50826	5.4854	5.45E-08	2.81E-05	4.72E-06	1.46E-03	2.36E-06	1.31E-03	2.81E-03
235 UCAF	571190.55	4178039	571190.55, 4178038.99	5.96278	0.00158	6.14803	6.27276	5.58877	5.60291	5.43E-08	3.87E-05	4.58E-06	1.42E-03	2.40E-06	1.34E-03	2.80E-03
236 UCAF	571230.55	4178039	571230.55, 4178038.99	5.84926	0.00221	6.06014	6.17724	5.57588	5.60901	5.33E-08	5.41E-05	4.51E-06	1.40E-03	2.39E-06	1.34E-03	2.80E-03
237 UCAF	571270.55	4178039	571270.55, 4178038.99	5.66981	0.0031	6.02578	6.1288	5.47983	5.48457	5.16E-08	7.59E-05	4.49E-06	1.39E-03	2.35E-06	1.31E-03	2.78E-03
238 UCAF	571310.55	4178039	571310.55, 4178038.99	5.44943	0.00407	6.00557	6.11425	5.32258	5.26663	4.96E-08	9.96E-05	4.47E-06	1.38E-03	2.28E-06	1.26E-03	2.75E-03
239 UCAF	571350.55	4178039	571350.55, 4178038.99	5.20222	0.00492	5.98335	6.11278	5.12597	5.03384	4.74E-08	1.20E-04	4.46E-06	1.38E-03	2.20E-06	1.20E-03	2.71E-03
240 UCAF	571390.55	4178039	571390.55, 4178038.99	4.93458	0.00566	5.91275	6.04264	4.90269	4.82526	4.49E-08	1.38E-04	4.40E-06	1.37E-03	2.10E-06	1.15E-03	2.66E-03
241 UCAF	571430.55	4178039	571430.55, 4178038.99	4.65207	0.00619	5.70498	5.7839	4.66062	4.63246	4.24E-08	1.51E-04	4.25E-06	1.31E-03	2.00E-06	1.11E-03	2.57E-03
242 UCAF	571470.55	4178039	571470.55, 4178038.99	4.36102	0.00651	5.3661	5.40212	4.40592	4.43874	3.97E-08	1.59E-04	4.00E-06	1.22E-03	1.89E-06	1.06E-03	2.45E-03
243 UCAF	571510.55	4178039	571510.55, 4178038.99	4.0668	0.00662	4.9371	5.01315	4.14077	4.23247	3.70E-08	1.62E-04	3.68E-06	1.13E-03	1.78E-06	1.01E-03	2.31E-03
244 UCAF	571550.55	4178039	571550.55, 4178038.99	3.77795	0.00655	4.47758	4.60119	3.87427	4.01339	3.44E-08	1.60E-04	3.34E-06	1.04E-03	1.66E-06	9.58E-04	2.16E-03
245 UCAF	571590.55	4178039	571590.55, 4178038.99	3.49917	0.00636	4.03632	4.17824	3.61011	3.77831	3.19E-08	1.56E-04	3.01E-06	9.46E-04	1.55E-06	9.02E-04	2.01E-03
246 UCAF	571630.55	4178039	571630.55, 4178038.99	3.23526	0.00605	3.6387	3.77532	3.35414	3.53152	2.95E-08	1.48E-04	2.71E-06	8.55E-04	1.44E-06	8.43E-04	1.85E-03
247 UCAF	571670.55	4178039	571670.55, 4178038.99	2.98772	0.00568	3.28954	3.4101	3.10893	3.27889	2.72E-08	1.39E-04	2.45E-06	7.72E-04	1.33E-06	7.82E-04	1.70E-03
248 UCAF	571710.55	4178039	571710.55, 4178038.99	2.7592	0.00529	2.98662	3.08875	2.87886	3.03091	2.51E-08	1.29E-04	2.22E-06	6.99E-04	1.24E-06	7.23E-04	1.56E-03
249 UCAF	571750.55	4178039	571750.55, 4178038.99	2.55065	0.00487	2.72492	2.80993	2.66612	2.79568	2.32E-08	1.19E-04	2.03E-06	6.36E-04	1.14E-06	6.67E-04	1.43E-03
250 UCAF	571790.55	4178039	571790.55, 4178038.99	2.36059	0.00451	2.49727	2.56723	2.47012	2.57661	2.15E-08	1.10E-04	1.86E-06	5.81E-04	1.06E-06	6.15E-04	1.31E-03
251 UCAF	571830.55	4178039	571830.55, 4178038.99	2.18847	0.00415	2.29864	2.35571	2.2911	2.37648	1.99E-08	1.02E-04	1.71E-06	5.33E-04	9.83E-07	5.67E-04	1.20E-03
252 UCAF	571870.55	4178039	571870.55, 4178038.99	2.0327	0.00381	2.1241	2.17019	2.12803	2.19527	1.85E-08	9.32E-05	1.58E-06	4.91E-04	9.13E-07	5.24E-04	1.11E-03
253 UCAF	570230.55	4178079	570230.55, 4178078.99	1.30868	0.00057	1.44168	1.45156	1.23667	1.2381	1.19E-08	1.39E-05	1.07E-06	3.29E-04	5.31E-07	2.95E-04	6.40E-04
254 UCAF	570270.55	4178079	570270.55, 4178078.99	1.43809	0.00069	1.57129	1.58274	1.35126	1.36132	1.31E-08	1.69E-05	1.17E-06	3.58E-04	5.80E-07	3.25E-04	7.02E-04
255 UCAF	570310.55	4178079	570310.55, 4178078.99	1.58503	0.00083	1.71831	1.73107	1.47957	1.50008	1.44E-08	2.03E-05	1.28E-06	3.92E-04	6.35E-07	3.58E-04	7.72E-04
256 UCAF	570350.55	4178079	570350.55, 4178078.99	1.75155	0.00096	1.88668	1.90046	1.62287	1.65535	1.59E-08	2.35E-05	1.41E-06	4.30E-04	6.96E-07	3.95E-04	8.51E-04
257 UCAF	570390.55	4178079	570390.55, 4178078.99	1.94019	0.00109	2.08277	2.09712	1.78282	1.82782	1.77E-08	2.67E-05	1.55E-06	4.75E-04	7.65E-07	4.36E-04	9.40E-04
258 UCAF	570430.55	4178079	570430.55, 4178078.99	2.15072	0.00118	2.31122	2.32756	1.95892	2.01672	1.96E-08	2.89E-05	1.72E-06	5.27E-04	8.40E-07	4.81E-04	1.04E-03
259 UCAF	570470.55	4178079	570470.55, 4178078.99	2.38641	0.00121	2.58686	2.60581	2.15369	2.22231	2.17E-08	2.96E-05	1.93E-06	5.90E-04	9.24E-07	5.30E-04	1.15E-03
260 UCAF	570510.55	4178079	570510.55, 4178078.99	2.65049	0.00121	2.93225	2.9522	2.3699	2.44468	2.41E-08	2.96E-05	2.18E-06	6.68E-04	1.02E-06	5.83E-04	1.28E-03
261 UCAF	570550.55	4178079	570550.55, 4178078.99	2.93338	0.00116	3.35905	3.38753	2.60052	2.68131	2.67E-08	2.84E-05	2.50E-06	7.67E-04	1.12E-06	6.40E-04	1.44E-03
262 UCAF	570590.55	4178079	570590.55, 4178078.99	3.235	0.0011	3.91643	3.96481	2.84799	2.93459	2.95E-08	2.69E-05	2.92E-06	8.97E-04	1.22E-06	7.00E-04	1.63E-03
263 UCAF	570630.55	4178079	570630.55, 4178078.99	3.55091	0.00105	4.68507	4.77834	3.11066	3.20371	3.23E-08	2.57E-05	3.49E-06	1.08E-03	1.33E-06	7.64E-04	1.88E-03
264 UCAF	570670.55	4178079	570670.55, 4178078.99	3.88064	0.00099	5.8309	6.02831	3.3901	3.48633	3.53E-08	2.42E-05	4.34E-06	1.36E-03	1.45E-06	8.32E-04	2.23E-03
265 UCAF	570710.55	4178079	570710.55, 4178078.99	4.21523	0.0009	7.71619	8.20265	3.68224	3.7763	3.84E-08	2.20E-05	5.75E-06	1.86E-03	1.58E-06	9.01E-04	2.79E-03
266 UCAF	570750.55	4178079	570750.55, 4178078.99	4.54848	0.00079	11.37033	12.92144	3.98371	4.06592	4.14E-08	1.93E-05	8.47E-06	2.92E-03	1.71E-06	9.70E-04	3.92E-03
267 UCAF	570790.55	4178079	570790.55, 4178078.99	4.87523	0.0007	21.10825	32.04981	4.28947	4.34679	4.44E-08	1.71E-05	1.57E-05	7.25E-03	1.84E-06	1.04E-03	8.33E-03
268 UCAF	570830.55	4178079	570830.55, 4178078.99	5.19795	0.00063	23.55879	58.35206	4.59745	4.61215	4.73E-08	1.54E-05	1.75E-05	1.32E-02	1.97E-06	1.10E-03	1.43E-02
269 UCAF	570870.55	4178079	570870.55, 4178078.99	5.51351	0.00058	24.94484	28.66202	4.89793	4.86685	5.02E-08	1.42E-05	1.86E-05	6.49E-03	2.10E-06	1.16E-03	7.68E-03
270 UCAF	570910.55	4178079	570910.55, 4178078.99	5.82592	0.00057	16.40183	17.34181	5.18639	5.12582	5.30E-08	1.39E-05	1.22E-05	3.93E-03	2.23E-06	1.22E-03	5.18E-03
271 UCAF	570950.55	4178079	570950.55, 4178078.99	6.15117	0.00058	12.2992	12.7068	5.47099	5.40064	5.60E-08	1.42E-05	9.16E-06	2.88E-03	2.35E-06	1.29E-03	4.19E-03
272 UCAF	570990.55	4178079	570990.55, 4178078.99	6.50236	0.00061	10.05618	10.27831	5.77089	5.70288	5.92E-08	1.49E-05	7.49E-06	2.33E-03	2.48E-06	1.36E-03	3.71E-03
273 UCAF	571030.55	4178079	571030.55, 4178078.99	6.84747	0.00071	8.70343	8.86552	6.0774	6.01975	6.23E-08	1.74E-05	6.48E-06	2.01E-03	2.61E-06	1.44E-03	3.47E-03
274 UCAF	571070.55	4178079	571070.55, 4178078.99	7.15196	0.00088	7.87232	8.01655	6.37904	6.32601	6.51E-08	2.15E-05	5.86E-06	1.81E-03	2.74E-06	1.51E-03	3.35E-03
275 UCAF	571110.55	4178079	571110.55, 4178078.99	7.34539	0.0012	7.37205	7.51172	6.62634	6.58709	6.69E-08	2.94E-05	5.49E-06	1.70E-03	2.84E-06	1.57E-03	3.31E-03
276 UCAF	571150.55	4178079	571150.55, 4178078.99	7.4241	0.00169	7.14053	7.30044	6.82901	6.82658	6.76E-08	4.14E-05	5.32E-06	1.65E-03	2.93E-06	1.63E-03	3.33E-03
277 UCAF	571190.55	4178079	571190.55, 4178078.99	7.32642	0.00254	7.0846	7.28284	6.88915	6.9281	6.67E-08	6.22E-05	5.28E-06	1.65E-03	2.96E-06	1.65E-03	3.37E-03
278 UCAF	571230.55	4178079	571230.55, 4178078.99	7.11274	0.00366	7.21199	7.4519	6.8183	6.84417	6.48E-08	8.96E-05	5.37E-06	1.69E-03	2.93E-06	1.63E-03	3.42E-03
279 UCAF	571270.55	4178079	571270.55, 4178078.99	6.82034	0.0049	7.47455	7.7533	6.63699	6.5922	6.21E-08	1.20E-04	5.57E-06	1.76E-03	2.85E-06	1.57E-03	3.46E-03
280 UCAF	571310.55	4178079	571310.55, 4178078.99	6.47604	0.00603	7.78808	8.08187	6.38095	6.2831	5.90E-08	1.48E-04	5.80E-06	1.83E-03	2.74E-06	1.50E-03	3.48E-03
281 UCAF	571350.55	4178079	571350.55, 4178078.99	6.09449	0.00696	8.02424	8.37478	6.07522	5.99489	5.55E-08	1.70E-04	5.98E-06	1.90E-03	2.61E-06	1.43E-03	3.51E-03
282 UCAF	571390.55	4178079	571390.55, 4178078.99	5.68759	0.0076	8.0771	8.42516	5.73342	5.72335	5.18E-08	1.86E-04	6.02E-06	1.91E-03	2.46E-06	1.37E-03	3.47E-03
283 UCAF	571430.55	4178079	571430.55, 4178078.99	5.26922	0.00796	7.66627	7.87737	5.36843	5.44523	4.80E-08	1.95E-04	5.71E-06	1.78E-03	2.30E-06	1.30E-03	3.29E-03
284 UCAF	571470.55	4178079	571470.55, 4178078.99	4.85239	0.00803	6.82394	7.05084	4.99	5.14417	4.42E-08	1.96E-04	5.08E-06	1.60E-03	2.14E-06	1.23E-03	3.03E-03
285 UCAF	571510.55	4178079	571510.55, 4178078.99	4.45141	0.00789	5.90046	6.1443	4.61449	4.82118	4.05E-08	1.93E-04	4.40E-06	1.39E-03	1.98E-06	1.15E-03	2.74E-03
286 UCAF	571550.55	4178079	571550.55, 4178078.99	4.07259	0.00761	5.09999	5.3143	4.2477	4.47593	3.71E-08	1.86E-04	3.80E-06	1.20E-03	1.82E-06	1.07E-03	2.46E-03
287 UCAF	571590.55	4178079	571590.55, 4178078.99	3.722	0.00717	4.45173	4.62297	3.8994	4.1222	3.39E-08	1.75E-04	3.32E-06	1.05E-03	1.67E-06	9.84E-04	2.21E-03
288 UCAF	571630.55	4178079	571630.55, 4178078.99	3.40271	0.00664	3.92991	4.06276	3.57573	3.77572	3.10E-08	1.62E-04	2.93E-06	9.20E-04	1.53E-06	9.01E-04	1.99E-03
289 UCAF	571670.55	4178079	571670.55, 4178078.99	3.11293	0.00615	3.50328	3.60591	3.27713	3.44609	2.83E-08	1.50E-04	2.61E-06	8.16E-04	1.41E-06	8.22E-04	1.79E-03
290 UCAF	571710.55	4178079	571710.55, 4178078.99	2.853	0.00565	3.15008	3.22986	3.00608	3.14311	2.60E-08	1.38E-04	2.35E-06	7.31E-04	1.29E-06	7.50E-04	1.62E-03
291 UCAF	571750.55	4178079	571750.55, 4178078.99	2.62142	0.00519	2.85426	2.91672	2.76241	2.87061	2.39E-08	1.27E-04	2.13E-06	6.60E-04	1.19E-06	6.85E-04	1.48E-03
292 UCAF	571790.55	4178079	571790.55, 4178078.99	2.41477	0.00473	2.60251	2.65151	2.5435	2.6273	2.20E-08	1.16E-04	1.94E-06	6.00E-04	1.09E-06	6.27E-04	1.35E-03
293 UCAF	571830.55	4178079	571830.55, 4178078.99	2.23064	0.0043	2.38602	2.42436	2.3475	2.41153	2.03E-08	1.05E-04	1.78E-06	5.49E-04	1.01E-06	5.75E-04	1.23E-03
294 UCAF	571870.55	4178079	571870.55, 4178078.99	2.06641	0.00391	2.198	2.22776	2.17208	2.22049	1.88E-08	9.57E-05	1.64E-06	5.04E-04	9.32E-07	5.30E-04	1.13E-03
295 UCAF	570230.55	4178119	570230.55, 4178118.99	1.29775	0.00052	1.46661	1.47593	1.23118	1.22138	1.18E-08	1.27E-05	1.09E-06	3.34E-04	5.28E-07	2.91E-04	6.40E-04
296 UCAF	570270.55	4178119	570270.55, 4178118.99	1.42959	0.00064	1.60446	1.61603	1.34951	1.34679	1.30E-08	1.57E-05	1.20E-06	3.66E-04	5.79E-07	3.21E-04	7.05E-04
297 UCAF	570310.55	4178119	570310.55, 4178118.99	1.58104	0.00077	1.76115	1.7751	1.48359	1.49048	1.44E-08	1.88E-05	1.31E-06	4.02E-04	6.37E-07	3.56E-04	7.78E-04
298 UCAF	570350.55	4178119	570350.55, 4178118.99	1.75606	0.00094	1.94233	1.95798	1.63609	1.65473	1.60E-08	2.30E-05	1.45E-06	4.43E-04	7.02E-07	3.95E-04	8.63E-04
299 UCAF	570390.55	4178119	570390.55, 4178118.99	1.95794	0.00112	2.15367	2.1705	1.80899	1.8413	1.78E-08	2.74E-05	1.60E-06	4.91E-04	7.76E-07	4.39E-04	9.60E-04
300 UCAF	570430.55	4178119	570430.55, 4178118.99	2.19062	0.00128	2.40439	2.42206	2.00469	2.05158	1.99E-08	3.13E-05	1.79E-06	5.48E-04	8.60E-07	4.90E-04	1.07E-03
301 UCAF	570470.55	4178119	570470.55, 4178118.99	2.45622	0.00138	2.70488	2.72489	2.22415	2.28558	2.24E-08	3.38E-05	2.01E-06	6.17E-04	9.54E-07	5.45E-04	1.20E-03
302 UCAF	570510.55	4178119	570510.55, 4178118.99	2.75673	0.00141	3.07262	3.09887	2.46845	2.54295	2.51E-08	3.45E-05	2.29E-06	7.01E-04	1.06E-06	6.07E-04	1.35E-03
303 UCAF	570550.55	4178119	570550.55, 4178118.99	3.10319	0.0014	3.55548	3.58621	2.74618	2.82691	2.83E-08	3.43E-05	2.65E-06	8.12E-04	1.18E-06	6.75E-04	1.52E-03
304 UCAF	570590.55	4178119	570590.55, 4178118.99	3.48246	0.00134	4.17877	4.23115	3.04775	3.13487	3.17E-08	3.28E-05	3.11E-06	9.58E-04	1.31E-06	7.48E-04	1.74E-03
305 UCAF	570630.55	4178119	570630.55, 4178118.99	3.89308	0.00126	5.0358	5.14147	3.37499	3.4715	3.54E-08	3.08E-05	3.75E-06	1.16E-03	1.45E-06	8.28E-04	2.03E-03
306 UCAF	570670.55	4178119	570670.55, 4178118.99	4.34005	0.00119	6.31975	6.54015	3.73411	3.84051	3.95E-08	2.91E-05	4.71E-06	1.48E-03	1.60E-06	9.16E-04	2.43E-03
307 UCAF	570710.55	4178119	570710.55, 4178118.99	4.81308	0.00107	8.43352	8.95792	4.12208	4.24031	4.38E-08	2.62E-05	6.28E-06	2.03E-03	1.77E-06	1.01E-03	3.07E-03
308 UCAF	570750.55	4178119	570750.55, 4178118.99	5.30429	0.00092	12.58832	14.24961	4.53771	4.66469	4.83E-08	2.25E-05	9.38E-06	3.23E-03	1.95E-06	1.11E-03	4.37E-03
309 UCAF	570790.55	4178119	570790.55, 4178118.99	5.80492	0.00081	24.56149	39.11429	4.97752	5.1026	5.29E-08	1.98E-05	1.83E-05	8.85E-03	2.14E-06	1.22E-03	1.01E-02
310 UCAF	570830.55	4178119	570830.55, 4178118.99	6.3125	0.00074	43.77726	79.75454	5.44044	5.53675	5.75E-08	1.81E-05	3.26E-05	1.81E-02	2.33E-06	1.32E-03	1.94E-02
311 UCAF	570870.55	4178119	570870.55, 4178118.99	6.80953	0.0008	23.9786	27.59697	5.90792	5.94943	6.20E-08	1.96E-05	1.79E-05	6.25E-03	2.53E-06	1.42E-03	7.71E-03
312 UCAF	570910.55	4178119	570910.55, 4178118.99	7.29062	0.00086	16.33889	17.39577	6.36293	6.34128	6.64E-08	2.10E-05	1.22E-05	3.94E-03	2.73E-06	1.51E-03	5.49E-03
313 UCAF	570950.55	4178119	570950.55, 4178118.99	7.78606	0.00097	12.59097	13.05064	6.81242	6.73663	7.09E-08	2.37E-05	9.38E-06	2.95E-03	2.92E-06	1.61E-03	4.60E-03
314 UCAF	570990.55	4178119	570990.55, 4178118.99	8.29009	0.00123	10.47194	10.74315	7.24758	7.16604	7.55E-08	3.01E-05	7.80E-06	2.43E-03	3.11E-06	1.71E-03	4.18E-03
315 UCAF	571030.55	4178119	571030.55, 4178118.99	8.7924	0.00121	9.21178	9.41152	7.68819	7.62533	8.01E-08	2.96E-05	6.86E-06	2.13E-03	3.30E-06	1.82E-03	3.99E-03
316 UCAF	571070.55	4178119	571070.55, 4178118.99	9.22532	0.00114	8.47307	8.65	8.12311	8.07616	8.40E-08	2.79E-05	6.31E-06	1.96E-03	3.49E-06	1.93E-03	3.92E-03
317 UCAF	571110.55	4178119	571110.55, 4178118.99	9.48163	0.00177	8.09934	8.28307	8.49688	8.48104	8.63E-08	4.33E-05	6.03E-06	1.87E-03	3.65E-06	2.02E-03	3.95E-03
318 UCAF	571150.55	4178119	571150.55, 4178118.99	9.47545	0.00286	8.01182	8.23377	8.72115	8.76059	8.63E-08	7.00E-05	5.97E-06	1.86E-03	3.74E-06	2.09E-03	4.03E-03
319 UCAF	571190.55	4178119	571190.55, 4178118.99	9.23869	0.0043	8.21439	8.50281	8.73938	8.79593	8.41E-08	1.05E-04	6.12E-06	1.92E-03	3.75E-06	2.10E-03	4.14E-03
320 UCAF	571230.55	4178119	571230.55, 4178118.99	8.84136	0.00595	8.73831	9.15119	8.55255	8.53559	8.05E-08	1.46E-04	6.51E-06	2.07E-03	3.67E-06	2.04E-03	4.26E-03
321 UCAF	571270.55	4178119	571270.55, 4178118.99	8.33951	0.00745	9.70856	10.35793	8.21848	8.12288	7.59E-08	1.82E-04	7.23E-06	2.34E-03	3.53E-06	1.94E-03	4.48E-03
322 UCAF	571310.55	4178119	571310.55, 4178118.99	7.76112	0.00861	11.30161	12.46534	7.78034	7.70696	7.07E-08	2.11E-04	8.42E-06	2.82E-03	3.34E-06	1.84E-03	4.88E-03
323 UCAF	571350.55	4178119	571350.55, 4178118.99	7.13946	0.0094	13.42212	15.52457	7.27073	7.30275	6.50E-08	2.30E-04	1.00E-05	3.51E-03	3.12E-06	1.74E-03	5.50E-03
324 UCAF	571390.55	4178119	571390.55, 4178118.99	6.50716	0.00978	14.28773	16.47701	6.71729	6.87426	5.92E-08	2.39E-04	1.06E-05	3.73E-03	2.88E-06	1.64E-03	5.62E-03
325 UCAF	571430.55	4178119	571430.55, 4178118.99	5.89266	0.0098	11.40431	12.32214	6.14951	6.4037	5.37E-08	2.40E-04	8.50E-06	2.79E-03	2.64E-06	1.53E-03	4.57E-03
326 UCAF	571470.55	4178119	571470.55, 4178118.99	5.31651	0.00954	8.61767	9.0814	5.59331	5.89547	4.84E-08	2.33E-04	6.42E-06	2.06E-03	2.40E-06	1.41E-03	3.70E-03
327 UCAF	571510.55	4178119	571510.55, 4178118.99	4.79227	0.00907	6.85808	7.13316	5.07002	5.3731	4.36E-08	2.22E-04	5.11E-06	1.61E-03	2.18E-06	1.28E-03	3.13E-03
328 UCAF	571550.55	4178119	571550.55, 4178118.99	4.32094	0.00846	5.68368	5.86644	4.5863	4.85906	3.93E-08	2.07E-04	4.23E-06	1.33E-03	1.97E-06	1.16E-03	2.70E-03
329 UCAF	571590.55	4178119	571590.55, 4178118.99	3.90253	0.00783	4.84453	4.97598	4.14857	4.37678	3.55E-08	1.92E-04	3.61E-06	1.13E-03	1.78E-06	1.04E-03	2.37E-03
330 UCAF	571630.55	4178119	571630.55, 4178118.99	3.5347	0.00715	4.21308	4.31291	3.75878	3.94092	3.22E-08	1.75E-04	3.14E-06	9.76E-04	1.61E-06	9.40E-04	2.10E-03
331 UCAF	571670.55	4178119	571670.55, 4178118.99	3.21143	0.00655	3.71807	3.79638	3.41297	3.55348	2.92E-08	1.60E-04	2.77E-06	8.59E-04	1.46E-06	8.48E-04	1.87E-03
332 UCAF	571710.55	4178119	571710.55, 4178118.99	2.92717	0.00595	3.31749	3.38007	3.10699	3.21264	2.67E-08	1.46E-04	2.47E-06	7.65E-04	1.33E-06	7.67E-04	1.68E-03
333 UCAF	571750.55	4178119	571750.55, 4178118.99	2.67932	0.0054	2.98893	3.0394	2.83916	2.91724	2.44E-08	1.32E-04	2.23E-06	6.88E-04	1.22E-06	6.96E-04	1.52E-03
334 UCAF	571790.55	4178119	571790.55, 4178118.99	2.46159	0.00485	2.71313	2.75386	2.60332	2.65974	2.24E-08	1.19E-04	2.02E-06	6.23E-04	1.12E-06	6.35E-04	1.38E-03
335 UCAF	571830.55	4178119	571830.55, 4178118.99	2.26986	0.0044	2.47834	2.51107	2.39537	2.43488	2.07E-08	1.08E-04	1.85E-06	5.68E-04	1.03E-06	5.81E-04	1.26E-03

336	UCAF	571870.55	4178119	571870.55, 4178118.99	2.1008	0.00401	2.27648	2.3026	2.21196	2.23823	1.91E-08	9.81E-05	1.70E-06	5.21E-04	9.49E-07	5.34E-04	1.16E-03
337	UCAF	570230.55	4178159	570230.55, 4178158.99	1.28445	0.00047	1.48654	1.49427	1.22204	1.20241	1.17E-08	1.15E-05	1.11E-06	3.38E-04	5.24E-07	2.87E-04	6.38E-04
338	UCAF	570270.55	4178159	570270.55, 4178158.99	1.41594	0.00057	1.63119	1.64182	1.34178	1.32676	1.29E-08	1.39E-05	1.22E-06	3.72E-04	5.76E-07	3.17E-04	7.04E-04
339	UCAF	570310.55	4178159	570310.55, 4178158.99	1.56937	0.00071	1.79807	1.81145	1.47972	1.47184	1.43E-08	1.74E-05	1.34E-06	4.10E-04	6.35E-07	3.51E-04	7.81E-04
340	UCAF	570350.55	4178159	570350.55, 4178158.99	1.74894	0.00087	1.99201	2.0077	1.63876	1.64096	1.59E-08	2.13E-05	1.48E-06	4.54E-04	7.03E-07	3.92E-04	8.70E-04
341	UCAF	570390.55	4178159	570390.55, 4178158.99	1.95944	0.00108	2.21932	2.23679	1.82196	1.83744	1.78E-08	2.64E-05	1.65E-06	5.06E-04	7.82E-07	4.38E-04	9.74E-04
342	UCAF	570430.55	4178159	570430.55, 4178158.99	2.20634	0.0013	2.48902	2.50819	2.03264	2.06437	2.01E-08	3.18E-05	1.85E-06	5.68E-04	8.72E-07	4.93E-04	1.09E-03
343	UCAF	570470.55	4178159	570470.55, 4178158.99	2.49647	0.00151	2.81588	2.83747	2.27487	2.32451	2.27E-08	3.69E-05	2.10E-06	6.42E-04	9.76E-07	5.55E-04	1.24E-03
344	UCAF	570510.55	4178159	570510.55, 4178158.99	2.83577	0.00164	3.21977	3.24736	2.55186	2.61923	2.58E-08	4.01E-05	2.40E-06	7.35E-04	1.09E-06	6.25E-04	1.40E-03
345	UCAF	570550.55	4178159	570550.55, 4178158.99	3.22869	0.00168	3.73016	3.77286	2.8657	2.9487	2.94E-08	4.11E-05	2.78E-06	8.54E-04	1.23E-06	7.04E-04	1.60E-03
346	UCAF	570590.55	4178159	570590.55, 4178158.99	3.68878	0.00164	4.41974	4.48464	3.22597	3.31713	3.36E-08	4.01E-05	3.29E-06	1.02E-03	1.38E-06	7.92E-04	1.85E-03
347	UCAF	570630.55	4178159	570630.55, 4178158.99	4.20573	0.00154	5.35931	5.48048	3.6255	3.72486	3.83E-08	3.77E-05	3.99E-06	1.24E-03	1.56E-06	8.89E-04	2.17E-03
348	UCAF	570670.55	4178159	570670.55, 4178158.99	4.79497	0.00145	6.78031	7.00725	4.07814	4.18375	4.37E-08	3.55E-05	5.05E-06	1.59E-03	1.75E-06	9.98E-04	2.63E-03
349	UCAF	570710.55	4178159	570710.55, 4178158.99	5.44411	0.0013	9.12277	9.64133	4.57962	4.70069	4.96E-08	3.18E-05	6.80E-06	2.18E-03	1.96E-06	1.12E-03	3.34E-03
350	UCAF	570750.55	4178159	570750.55, 4178158.99	6.15331	0.00113	13.86443	15.54417	5.13739	5.28229	5.60E-08	2.77E-05	1.03E-05	3.52E-03	2.20E-06	1.26E-03	4.82E-03
351	UCAF	570790.55	4178159	570790.55, 4178158.99	6.91417	0.00097	28.97822	50.07532	5.75377	5.92824	6.30E-08	2.37E-05	2.16E-05	1.13E-02	2.47E-06	1.41E-03	1.28E-02
352	UCAF	570830.55	4178159	570830.55, 4178158.99	7.72909	0.00089	39.50986	66.46384	6.43863	6.62826	7.04E-08	2.18E-05	2.94E-05	1.50E-02	2.76E-06	1.58E-03	1.67E-02
353	UCAF	570870.55	4178159	570870.55, 4178158.99	8.56667	0.00096	22.91502	26.50786	7.17499	7.34671	7.80E-08	2.35E-05	1.71E-05	6.00E-03	3.08E-06	1.75E-03	7.80E-03
354	UCAF	570910.55	4178159	570910.55, 4178158.99	9.4072	0.00101	16.16313	17.30961	7.94638	8.04371	8.57E-08	2.47E-05	1.20E-05	3.92E-03	3.41E-06	1.92E-03	5.88E-03
355	UCAF	570950.55	4178159	570950.55, 4178158.99	10.22549	0.00077	12.74	13.28233	8.711	8.69716	9.31E-08	1.88E-05	9.49E-06	3.01E-03	3.74E-06	2.08E-03	5.11E-03
356	UCAF	570990.55	4178159	570990.55, 4178158.99	11.02547	0.00129	10.81128	11.14171	9.43539	9.35904	1.00E-07	3.16E-05	8.05E-06	2.52E-03	4.05E-06	2.23E-03	4.80E-03
357	UCAF	571030.55	4178159	571030.55, 4178158.99	11.81356	0.00192	9.69635	9.94439	10.12907	10.06499	1.08E-07	4.70E-05	7.22E-06	2.25E-03	4.35E-06	2.40E-03	4.71E-03
358	UCAF	571070.55	4178159	571070.55, 4178158.99	12.46988	0.00281	9.10213	9.32889	10.79937	10.77948	1.14E-07	6.88E-05	6.78E-06	2.11E-03	4.63E-06	2.57E-03	4.76E-03
359	UCAF	571110.55	4178159	571110.55, 4178158.99	12.76644	0.00412	8.90603	9.15333	11.35784	11.39845	1.16E-07	1.01E-04	6.63E-06	2.07E-03	4.87E-06	2.72E-03	4.90E-03
360	UCAF	571150.55	4178159	571150.55, 4178158.99	12.59405	0.00598	9.08359	9.3957	11.63596	11.73072	1.15E-07	1.46E-04	6.77E-06	2.13E-03	4.99E-06	2.80E-03	5.08E-03
361	UCAF	571190.55	4178159	571190.55, 4178158.99	12.04845	0.00737	9.68274	10.13795	11.526	11.56945	1.10E-07	1.80E-04	7.21E-06	2.29E-03	4.95E-06	2.76E-03	5.25E-03
362	UCAF	571230.55	4178159	571230.55, 4178158.99	11.25782	0.00928	10.92752	11.67854	11.09829	11.02898	1.03E-07	2.27E-04	8.14E-06	2.64E-03	4.76E-06	2.63E-03	5.52E-03
363	UCAF	571270.55	4178159	571270.55, 4178158.99	10.29919	0.01078	13.33518	14.8835	10.43115	10.39462	9.38E-08	2.64E-04	9.93E-06	3.37E-03	4.48E-06	2.48E-03	6.13E-03
364	UCAF	571310.55	4178159	571310.55, 4178158.99	9.26963	0.01172	18.71779	23.64563	9.60674	9.73539	8.44E-08	2.87E-04	1.39E-05	5.35E-03	4.12E-06	2.32E-03	7.98E-03
365	UCAF	571350.55	4178159	571350.55, 4178158.99	8.25293	0.0121	21.76231	35.27361	8.70069	9.00738	7.51E-08	2.96E-04	1.62E-05	7.98E-03	3.73E-06	2.15E-03	1.04E-02
366	UCAF	571390.55	4178159	571390.55, 4178158.99	7.30288	0.01199	30.20942	45.7702	7.78874	8.20333	6.65E-08	2.93E-04	2.25E-05	1.04E-02	3.34E-06	1.96E-03	1.26E-02
367	UCAF	571430.55	4178159	571430.55, 4178158.99	6.45165	0.01155	15.37827	17.23546	6.92799	7.36183	5.87E-08	2.83E-04	1.15E-05	3.90E-03	2.97E-06	1.76E-03	5.96E-03
368	UCAF	571470.55	4178159	571470.55, 4178158.99	5.70581	0.01084	10.26697	10.92762	6.14652	6.53744	5.20E-08	2.65E-04	7.65E-06	2.47E-03	2.64E-06	1.56E-03	4.31E-03
369	UCAF	571510.55	4178159	571510.55, 4178158.99	5.06488	0.01004	7.75694	8.11421	5.4598	5.78119	4.61E-08	2.46E-04	5.78E-06	1.84E-03	2.34E-06	1.38E-03	3.47E-03
370	UCAF	571550.55	4178159	571550.55, 4178158.99	4.51643	0.00915	6.24936	6.4836	4.86411	5.11369	4.11E-08	2.24E-04	4.66E-06	1.47E-03	2.09E-06	1.22E-03	2.92E-03
371	UCAF	571590.55	4178159	571590.55, 4178158.99	4.04587	0.00833	5.23194	5.40078	4.34868	4.5343	3.68E-08	2.04E-04	3.90E-06	1.22E-03	1.87E-06	1.08E-03	2.51E-03
372	UCAF	571630.55	4178159	571630.55, 4178158.99	3.64309	0.00755	4.49416	4.62256	3.90556	4.03898	3.32E-08	1.85E-04	3.35E-06	1.05E-03	1.68E-06	9.64E-04	2.20E-03
373	UCAF	571670.55	4178159	571670.55, 4178158.99	3.29707	0.00683	3.93121	4.0318	3.5241	3.61649	3.00E-08	1.67E-04	2.93E-06	9.13E-04	1.51E-06	8.63E-04	1.95E-03
374	UCAF	571710.55	4178159	571710.55, 4178158.99	2.99848	0.00614	3.48518	3.56527	3.19478	3.2555	2.73E-08	1.50E-04	2.60E-06	8.07E-04	1.37E-06	7.77E-04	1.74E-03
375	UCAF	571750.55	4178159	571750.55, 4178158.99	2.74027	0.0055	3.1229	3.18729	2.91026	2.94681	2.50E-08	1.35E-04	2.33E-06	7.21E-04	1.25E-06	7.03E-04	1.56E-03
376	UCAF	571790.55	4178159	571790.55, 4178158.99	2.51574	0.00494	2.82253	2.8745	2.66323	2.68129	2.29E-08	1.21E-04	2.10E-06	6.51E-04	1.14E-06	6.40E-04	1.41E-03
377	UCAF	571830.55	4178159	571830.55, 4178158.99	2.31988	0.00445	2.56985	2.61188	2.44818	2.45207	2.11E-08	1.09E-04	1.91E-06	5.91E-04	1.05E-06	5.85E-04	1.29E-03
378	UCAF	571870.55	4178159	571870.55, 4178158.99	2.1477	0.00404	2.35388	2.38787	2.25956	2.25259	1.96E-08	9.89E-05	1.75E-06	5.41E-04	9.69E-07	5.38E-04	1.18E-03
379	UCAF	570230.55	4178199	570230.55, 4178198.99	1.27122	0.00044	1.50123	1.50624	1.21111	1.18554	1.16E-08	1.08E-05	1.12E-06	3.41E-04	5.20E-07	2.83E-04	6.36E-04
380	UCAF	570270.55	4178199	570270.55, 4178198.99	1.40123	0.00052	1.65246	1.6603	1.33091	1.30634	1.28E-08	1.27E-05	1.23E-06	3.76E-04	5.71E-07	3.12E-04	7.02E-04
381	UCAF	570310.55	4178199	570310.55, 4178198.99	1.55398	0.00064	1.82825	1.83905	1.47023	1.44888	1.41E-08	1.57E-05	1.36E-06	4.16E-04	6.31E-07	3.46E-04	7.80E-04
382	UCAF	570350.55	4178199	570350.55, 4178198.99	1.73408	0.00079	2.03336	2.04746	1.63247	1.61765	1.58E-08	1.93E-05	1.51E-06	4.63E-04	7.00E-07	3.86E-04	8.71E-04
383	UCAF	570390.55	4178199	570390.55, 4178198.99	1.94773	0.00098	2.27509	2.29267	1.82198	1.81781	1.77E-08	2.40E-05	1.69E-06	5.19E-04	7.82E-07	4.34E-04	9.79E-04
384	UCAF	570430.55	4178199	570430.55, 4178198.99	2.20286	0.00124	2.56426	2.58539	2.04404	2.05503	2.01E-08	3.03E-05	1.91E-06	5.85E-04	8.77E-07	4.90E-04	1.11E-03
385	UCAF	570470.55	4178199	570470.55, 4178198.99	2.50898	0.00152	2.91629	2.94171	2.30458	2.33503	2.28E-08	3.72E-05	2.17E-06	6.66E-04	9.89E-07	5.57E-04	1.26E-03
386	UCAF	570510.55	4178199	570510.55, 4178198.99	2.87626	0.00178	3.35226	3.38541	2.60931	2.66267	2.62E-08	4.36E-05	2.50E-06	7.66E-04	1.12E-06	6.35E-04	1.45E-03
387	UCAF	570550.55	4178199	570550.55, 4178198.99	3.31607	0.00195	3.90566	3.95427	2.96419	3.04142	3.02E-08	4.77E-05	2.91E-06	8.95E-04	1.27E-06	7.26E-04	1.67E-03
388	UCAF	570590.55	4178199	570590.55, 4178198.99	3.84105	0.00199	4.63464	4.71293	3.37589	3.47375	3.50E-08	4.87E-05	3.45E-06	1.07E-03	1.45E-06	8.29E-04	1.95E-03
389	UCAF	570630.55	4178199	570630.55, 4178198.99	4.47294	0.00192	5.66884	5.79326	3.85796	3.96629	4.07E-08	4.70E-05	4.22E-06	1.31E-03	1.66E-06	9.46E-04	2.31E-03
390	UCAF	570670.55	4178199	570670.55, 4178198.99	5.21763	0.00179	7.21987	7.44242	4.4136	4.52549	4.75E-08	4.38E-05	5.38E-06	1.68E-03	1.89E-06	1.08E-03	2.82E-03
391	UCAF	570710.55	4178199	570710.55, 4178198.99	6.07463	0.00161	9.80447	10.31347	5.04508	5.16727	5.53E-08	3.94E-05	7.30E-06	2.33E-03	2.16E-06	1.23E-03	3.62E-03
392	UCAF	570750.55	4178199	570750.55, 4178198.99	7.06245	0.00138	15.23873	17.00169	5.77207	5.91531	6.43E-08	3.38E-05	1.14E-05	3.85E-03	2.48E-06	1.41E-03	5.31E-03
393	UCAF	570790.55	4178199	570790.55, 4178198.99	8.18802	0.00116	21.4786	28.9083	6.61022	6.79268	7.46E-08	2.84E-05	1.60E-05	6.54E-03	2.84E-06	1.62E-03	8.21E-03
394	UCAF	570830.55	4178199	570830.55, 4178198.99	9.47315	0.00102	36.07993	57.31406	7.58824	7.82596	8.63E-08	2.50E-05	2.69E-05	1.30E-02	3.26E-06	1.87E-03	1.49E-02
395	UCAF	570870.55	4178199	570870.55, 4178198.99	10.91815	0.00105	21.95572	25.38145	8.72548	9.01881	9.94E-08	2.57E-05	1.64E-05	5.75E-03	3.74E-06	2.15E-03	7.94E-03
396	UCAF	570910.55	4178199	570910.55, 4178198.99	12.48284	0.00065	15.92977	17.13833	10.01902	10.33048	1.14E-07	1.59E-05	1.19E-05	3.88E-03	4.30E-06	2.47E-03	6.38E-03
397	UCAF	570950.55	4178199	570950.55, 4178198.99	14.06155	0.00106	12.8452	13.46003	11.41779	11.6493	1.28E-07	2.59E-05	9.57E-06	3.05E-03	4.90E-06	2.78E-03	5.87E-03
398	UCAF	570990.55	4178199	570990.55, 4178198.99	15.56465	0.00126	11.13687	11.53141	12.82784	12.89197	1.42E-07	3.08E-05	8.30E-06	2.61E-03	5.50E-06	3.08E-03	5.73E-03
399	UCAF	571030.55	4178199	571030.55, 4178198.99	16.96335	0.00252	10.2171	10.52419	14.13008	14.11241	1.54E-07	6.17E-05	7.61E-06	2.38E-03	6.06E-06	3.37E-03	5.83E-03
400	UCAF	571070.55	4178199	571070.55, 4178198.99	18.05618	0.00558	9.82065	10.12344	15.27842	15.36325	1.64E-07	1.37E-04	7.32E-06	2.29E-03	6.56E-06	3.67E-03	6.11E-03
401	UCAF	571110.55	4178199	571110.55, 4178198.99	18.37871	0.01188	9.91882	10.25882	16.23576	16.40312	1.67E-07	2.91E-04	7.39E-06	2.32E-03	6.97E-06	3.91E-03	6.54E-03
402	UCAF	571150.55	4178199	571150.55, 4178198.99	17.71863	0.01758	10.51372	10.98298	16.5591	16.72086	1.61E-07	4.30E-04	7.83E-06	2.49E-03	7.10E-06	3.99E-03	6.92E-03
403	UCAF	571190.55	4178199	571190.55, 4178198.99	16.32264	0.01235	11.80717	12.59637	16.08533	16.11136	1.49E-07	3.02E-04	8.80E-06	2.85E-03	6.90E-06	3.84E-03	7.01E-03
404	UCAF	571230.55	4178199	571230.55, 4178198.99	14.51083	0.01371	14.51963	16.1175	14.99621	15.07319	1.32E-07	3.35E-04	1.08E-05	3.65E-03	6.43E-06	3.60E-03	7.60E-03
405	UCAF	571270.55	4178199	571270.55, 4178198.99	12.59411	0.01475	20.58188	25.73886	13.47545	13.83087	1.15E-07	3.61E-04	1.53E-05	5.83E-03	5.78E-06	3.30E-03	9.51E-03
406	UCAF	571310.55	4178199	571310.55, 4178198.99	10.81844	0.01506	33.4497	46.78221	11.81117	12.40859	9.85E-08	3.69E-04	2.49E-05	1.06E-02	5.07E-06	2.96E-03	1.39E-02
407	UCAF	571350.55	4178199	571350.55, 4178198.99	9.27341	0.01473	40.24461	67.87953	10.21614	10.88764	8.44E-08	3.60E-04	3.00E-05	1.54E-02	4.38E-06	2.60E-03	1.84E-02
408	UCAF	571390.55	4178199	571390.55, 4178198.99	7.97655	0.01399	22.2161	26.67917	8.80397	9.41017	7.26E-08	3.42E-04	1.65E-05	6.04E-03	3.78E-06	2.25E-03	8.65E-03
409	UCAF	571430.55	4178199	571430.55, 4178198.99	6.90414	0.01298	14.40737	15.82926	7.60453	8.08614	6.29E-08	3.18E-04	1.07E-05	3.58E-03	3.26E-06	1.93E-03	5.84E-03
410	UCAF	571470.55	4178199	571470.55, 4178198.99	6.02059	0.01183	10.38352	11.04644	6.60482	6.95828	5.48E-08	2.89E-04	7.73E-06	2.50E-03	2.83E-06	1.66E-03	4.46E-03
411	UCAF	571510.55	4178199	571510.55, 4178198.99	5.29199	0.01069	8.02851	8.42293	5.7776	6.02272	4.82E-08	2.62E-04	5.98E-06	1.91E-03	2.48E-06	1.44E-03	3.61E-03
412	UCAF	571550.55	4178199	571550.55, 4178198.99	4.68749	0.00965	6.50594	6.77253	5.09172	5.25241	4.27E-08	2.36E-04	4.85E-06	1.53E-03	2.18E-06	1.25E-03	3.03E-03
413	UCAF	571590.55	4178199	571590.55, 4178198.99	4.18409	0.00869	5.4488	5.64264	4.52227	4.61984	3.81E-08	2.13E-04	4.06E-06	1.28E-03	1.94E-06	1.10E-03	2.60E-03
414	UCAF	571630.55	4178199	571630.55, 4178198.99	3.75946	0.00779	4.67172	4.81859	4.04352	4.09474	3.42E-08	1.91E-04	3.48E-06	1.09E-03	1.73E-06	9.77E-04	2.26E-03
415	UCAF	571670.55	4178199	571670.55, 4178198.99	3.39848	0.00694	4.07645	4.1904	3.63793	3.6559	3.09E-08	1.70E-04	3.04E-06	9.49E-04	1.56E-06	8.72E-04	2.00E-03
416	UCAF	571710.55	4178199	571710.55, 4178198.99	3.09046	0.0062	3.60575	3.69579	3.29341	3.28777	2.81E-08	1.52E-04	2.69E-06	8.37E-04	1.41E-06	7.85E-04	1.78E-03
417	UCAF	571750.55	4178199	571750.55, 4178198.99	2.82479	0.00556	3.2233	3.29516	2.99753	2.97552	2.57E-08	1.36E-04	2.40E-06	7.46E-04	1.29E-06	7.10E-04	1.60E-03
418	UCAF	571790.55	4178199	571790.55, 4178198.99	2.59481	0.005	2.90746	2.96528	2.74253	2.70938	2.36E-08	1.22E-04	2.17E-06	6.71E-04	1.18E-06	6.47E-04	1.44E-03
419	UCAF	571830.55	4178199	571830.55, 4178198.99	2.39438	0.0045	2.6424	2.68924	2.52129	2.48082	2.18E-08	1.10E-04	1.97E-06	6.09E-04	1.08E-06	5.92E-04	1.31E-03
420	UCAF	571870.55	4178199	571870.55, 4178198.99	2.21861	0.00408	2.41693	2.45511	2.3281	2.28309	2.02E-08	9.98E-05	1.80E-06	5.56E-04	9.99E-07	5.45E-04	1.20E-03
421	UCAF	570230.55	4178239	570230.55, 4178238.99	1.25974	0.00041	1.51088	1.51238	1.20014	1.1739	1.15E-08	1.00E-05	1.13E-06	3.42E-04	5.15E-07	2.80E-04	6.34E-04
422	UCAF	570270.55	4178239	570270.55, 4178238.99	1.3877	0.00048	1.66777	1.67163	1.31887	1.29044	1.26E-08	1.17E-05	1.24E-06	3.78E-04	5.66E-07	3.08E-04	7.00E-04
423	UCAF	570310.55	4178239	570310.55, 4178238.99	1.53825	0.00058	1.85091	1.85787	1.45759	1.42809	1.40E-08	1.42E-05	1.38E-06	4.21E-04	6.25E-07	3.41E-04	7.78E-04
424	UCAF	570350.55	4178239	570350.55, 4178238.99	1.71641	0.00071	2.06563	2.07702	1.6203	1.5922	1.56E-08	1.74E-05	1.54E-06	4.70E-04	6.95E-07	3.80E-04	8.70E-04
425	UCAF	570390.55	4178239	570390.55, 4178238.99	1.92923	0.00088	2.32013	2.33731	1.81239	1.78949	1.76E-08	2.15E-05	1.73E-06	5.29E-04	7.78E-07	4.27E-04	9.80E-04
426	UCAF	570430.55	4178239	570430.55, 4178238.99	2.18627	0.00111	2.62653	2.65031	2.04081	2.0282	1.99E-08	2.72E-05	1.96E-06	6.00E-04	8.76E-07	4.84E-04	1.11E-03
427	UCAF	570470.55	4178239	570470.55, 4178238.99	2.49948	0.0014	3.0013	3.03221	2.3137	2.31772	2.28E-08	3.43E-05	2.24E-06	6.86E-04	9.93E-07	5.53E-04	1.28E-03
428	UCAF	570510.55	4178239	570510.55, 4178238.99	2.88199	0.00177	3.46427	3.50523	2.63898	2.66759	2.62E-08	4.33E-05	2.58E-06	7.93E-04	1.13E-06	6.37E-04	1.48E-03
429	UCAF	570550.55	4178239	570550.55, 4178238.99	3.35453	0.00212	4.0567	4.11191	3.02911	3.08835	3.05E-08	5.19E-05	3.02E-06	9.31E-04	1.30E-06	7.37E-04	1.72E-03
430	UCAF	570590.55	4178239	570590.55, 4178238.99	3.94091	0.00234	4.84388	4.9234	3.49698	3.58888	3.59E-08	5.73E-05	3.61E-06	1.11E-03	1.50E-06	8.56E-04	2.03E-03
431	UCAF	570630.55	4178239	570630.55, 4178238.99	4.66461	0.00239	5.93522	6.06559	4.05353	4.17493	4.25E-08	5.85E-05	4.42E-06	1.37E-03	1.74E-06	9.96E-04	2.43E-03
432	UCAF	570670.55	4178239	570670.55, 4178238.99	5.56715	0.00226	7.61462	7.84059	4.72196	4.85862	5.07E-08	5.53E-05	5.67E-06	1.77E-03	2.03E-06	1.16E-03	3.00E-03
433	UCAF	570710.55	4178239	570710.55, 4178238.99	6.66697	0.00205	10.49019	11.00668	5.51022	5.65477	6.07E-08	5.02E-05	7.81E-06	2.49E-03	2.36E-06	1.35E-03	3.90E-03
434	UCAF	570750.55	4178239	570750.55, 4178238.99	7.99516	0.00174	16.79236	18.86388	6.43998	6.59896	7.28E-08	4.26E-05	1.25E-05	4.27E-03	2.76E-06	1.57E-03	5.90E-03
435	UCAF	570790.55	4178239	570790.55, 4178238.99	9.59564	0.00161	23.15924	57.80815	7.54794	7.73959	8.74E-08	3.94E-05	1.73E-05	1.31E-02	3.24E-06	1.85E-03	1.50E-02
436	UCAF	570830.55	4178239	570830.55, 4178238.99	11.54068	0.00124	33.11941	48.63917	8.89319	9.14458	1.05E-07	3.03E-05	2.47E-05	1.10E-02	3.82E-06	2.18E-03	1.33E-02
437	UCAF	570870.55	4178239	570870.55, 4178238.99	13.93531	0.00072	20.97819	24.09018	10.56095	10.9045	1.27E-07	1.76E-05	1.56E-05	5.45E-03	4.53E-06	2.60E-03	8.09E-03
438	UCAF	570910.55	4178239	570910.55, 4178238.99	16.84681	0.00087	15.67793	16.90035	12.63102	13.11963	1.53E-07	2.13E-05	1.17E-05	3.83E-03	5.42E-06	3.13E-03	6.99E-03
439	UCAF	570950.55	4178239	570950.55, 4178238.99	20.22033	0.00123	12.93385	13.62111	15.15098	15.83688	1.84E-07	3.01E-05	9.63E-06	3.08E-03	6.50E-06	3.78E-03	6.91E-03
440	UCAF	570990.55	4178239	570990.55, 4178238.99	23.91267	0.0029	11.50968	11.97071	18.1914	18.88389	2.18E-07	7.10E-05	8.57E-06	2.71E-03	7.80E-06	4.51E-03	7.30E-03
441	UCAF	571030.55	4178239	571030.55, 4178238.99	27.15338	0.00626	10.83402	11.22092	21.33456	21.75129	2.47E-07	1.53E-04	8.07E-06	2.54E-03	9.15E-06	5.19E-03	7.90E-03
442	UCAF	571110.55	4178239	571110.55, 4178238.99	29.48008	0.01748	11.2402	11.76105	25.84906	26.50575	2.68E-07	4.28E-04	8.37E-06	2.66E-03	1.11E-05	6.32E-03	9.43E-03
443	UCAF	571150.55	4178239	571150.55, 4178238.99	26.71762	0.02447	12.55547	13.36302	26.13293	26.55442	2.43E-07	5.99E-04	9.35E-06	3.02E-03	1.12E-05	6.34E-03	9.98E-03
444	UCAF	571190.55	4178239	571190.55, 4178238.99	22.39225	0.03141	15.37007	16.95719	24.19168	24.69638	2.04E-07	7.69E-04	1.14E-05	3.84E-03	1.04E-05	5.89E-03	1.05E-02
445	UCAF	571230.55	4178239	571230.55, 4178238.99	18.21275	0.01905	21.79585	26.84184	20.76375	21.72979	1.66E-07	4.66E-04	1.62E-05	6.08E-03	8.91E-06	5.19E-03	1.18E-02
446	UCAF	571270.55	4178239	571270.55, 4178238.99	14.79998	0.01887	28.82335	42.97335	17.14647	18.3412	1.35E-07	4.62E-04	2.15E-05	9.73E-03	7.36E-06	4.38E-03	1.46E-02
447	UCAF	571310.55	4178239	571310.55, 4178238.99	12.15467	0.01815	42.37416	71.14684	14.03555	15.10186	1.11E-07	4.44E-04	3.16E-05	1.61E-02	6.02E-06	3.60E-03	2.02E-02
448	UCAF	571350.55	4178239	571350.55, 4178238.99	10.12214	0.01689	24.81848	30.00241	11.56887	12.35605	9.22E-08	4.13E-04	1.85E-05	6.79E-03	4.96E-06	2.95E-03	1.02E-02
449	UCAF	571390.55	4178239	571390.55, 4178238.99	8.54564	0.01544	16.7848	18.63503	9.65529	10.17392	7.78E-08	3.78E-04	1.25E-05	4.22E-03	4.14E-06	2.43E-03	7.04E-03
450	UCAF	571430.55	4178239	571430.55, 4178238.99	7.31302	0.01391	12.28239	13.16149	8.17442	8.48794	6.66E-08	3.40E-04	9.15E-06	2.98E-03	3.51E-06	2.03E-03	5.36E-03
451	UCAF	571470.55	4178239	571470.55, 4178238.99	6.33291	0.0125	9.50156	9.99959	7.01133	7.18214	5.77E-08	3.06E-04	7.08E-06	2.26E-03	3.01E-06	1.71E-03	4.29E-03

452	UCAF	571510.55	4178239	571510.55, 4178238.99	5.54419	0.01117	7.65964	7.98038	6.08618	6.16224	5.05E-08	2.73E-04	5.71E-06	1.81E-03	2.61E-06	1.47E-03	3.56E-03
453	UCAF	571550.55	4178239	571550.55, 4178238.99	4.90029	0.00996	6.36502	6.59373	5.33861	5.35382	4.46E-08	2.44E-04	4.74E-06	1.49E-03	2.29E-06	1.28E-03	3.02E-03
454	UCAF	571590.55	4178239	571590.55, 4178238.99	4.36707	0.00883	5.41017	5.58365	4.725	4.70276	3.98E-08	2.16E-04	4.03E-06	1.26E-03	2.03E-06	1.12E-03	2.61E-03
455	UCAF	571630.55	4178239	571630.55, 4178238.99	3.92228	0.00786	4.68078	4.81643	4.21746	4.17307	3.57E-08	1.92E-04	3.49E-06	1.09E-03	1.81E-06	9.96E-04	2.28E-03
456	UCAF	571670.55	4178239	571670.55, 4178238.99	3.5472	0.00701	4.1073	4.21496	3.79275	3.73624	3.23E-08	1.72E-04	3.06E-06	9.54E-04	1.63E-06	8.92E-04	2.02E-03
457	UCAF	571710.55	4178239	571710.55, 4178238.99	3.22619	0.00628	3.64503	3.73106	3.43159	3.3698	2.94E-08	1.54E-04	2.72E-06	8.45E-04	1.47E-06	8.04E-04	1.81E-03
458	UCAF	571750.55	4178239	571750.55, 4178238.99	2.94934	0.00562	3.26468	3.33378	3.12213	3.05928	2.69E-08	1.38E-04	2.43E-06	7.55E-04	1.34E-06	7.30E-04	1.63E-03
459	UCAF	571790.55	4178239	571790.55, 4178238.99	2.71057	0.00506	2.94915	3.00517	2.85701	2.79536	2.47E-08	1.24E-04	2.20E-06	6.80E-04	1.23E-06	6.67E-04	1.47E-03
460	UCAF	571830.55	4178239	571830.55, 4178238.99	2.50123	0.00455	2.68167	2.72731	2.6259	2.56709	2.28E-08	1.11E-04	2.00E-06	6.17E-04	1.13E-06	6.13E-04	1.34E-03
461	UCAF	571870.55	4178239	571870.55, 4178238.99	2.31747	0.00413	2.45344	2.49094	2.42422	2.369	2.11E-08	1.01E-04	1.83E-06	5.64E-04	1.04E-06	5.65E-04	1.23E-03
462	UCAF	570230.55	4178279	570230.55, 4178278.99	1.25064	0.0004	1.51612	1.51416	1.19036	1.16728	1.14E-08	9.79E-06	1.13E-06	3.43E-04	5.11E-07	2.79E-04	6.33E-04
463	UCAF	570270.55	4178279	570270.55, 4178278.99	1.37652	0.00046	1.67732	1.6772	1.30738	1.28074	1.25E-08	1.13E-05	1.25E-06	3.80E-04	5.61E-07	3.06E-04	6.98E-04
464	UCAF	570310.55	4178279	570310.55, 4178278.99	1.52429	0.00054	1.86577	1.86887	1.44416	1.41391	1.39E-08	1.32E-05	1.39E-06	4.23E-04	6.20E-07	3.37E-04	7.76E-04
465	UCAF	570350.55	4178279	570350.55, 4178278.99	1.69951	0.00065	2.08819	2.0964	1.60541	1.57217	1.55E-08	1.59E-05	1.56E-06	4.75E-04	6.89E-07	3.75E-04	8.68E-04
466	UCAF	570390.55	4178279	570390.55, 4178278.99	1.90934	0.00079	2.35312	2.3688	1.79701	1.7627	1.74E-08	1.93E-05	1.75E-06	5.36E-04	7.71E-07	4.21E-04	9.79E-04
467	UCAF	570430.55	4178279	570430.55, 4178278.99	2.16396	0.00098	2.67349	2.69847	2.02701	1.99518	1.97E-08	2.40E-05	1.99E-06	6.11E-04	8.70E-07	4.76E-04	1.11E-03
468	UCAF	570470.55	4178279	570470.55, 4178278.99	2.47589	0.00125	3.06482	3.10097	2.30473	2.28192	2.25E-08	3.06E-05	2.28E-06	7.02E-04	9.89E-07	5.45E-04	1.28E-03
469	UCAF	570510.55	4178279	570510.55, 4178278.99	2.86379	0.00161	3.55373	3.60185	2.64335	2.63858	2.61E-08	3.94E-05	2.65E-06	8.15E-04	1.13E-06	6.30E-04	1.49E-03
470	UCAF	570550.55	4178279	570550.55, 4178278.99	3.35267	0.00208	4.18078	4.24265	3.05911	3.08367	3.05E-08	5.09E-05	3.11E-06	9.60E-04	1.31E-06	7.36E-04	1.75E-03
471	UCAF	570590.55	4178279	570590.55, 4178278.99	3.97578	0.00254	5.01349	5.09661	3.57164	3.63723	3.62E-08	6.22E-05	3.73E-06	1.15E-03	1.53E-06	8.68E-04	2.09E-03
472	UCAF	570630.55	4178279	570630.55, 4178278.99	4.77912	0.00283	6.18445	6.30955	4.20579	4.31925	4.35E-08	6.92E-05	4.61E-06	1.43E-03	1.80E-06	1.03E-03	2.53E-03
473	UCAF	570670.55	4178279	570670.55, 4178278.99	5.81643	0.00287	7.96366	8.19449	4.98675	5.14599	5.30E-08	7.02E-05	5.93E-06	1.85E-03	2.14E-06	1.23E-03	3.16E-03
474	UCAF	570710.55	4178279	570710.55, 4178278.99	7.15707	0.00262	11.08942	11.66438	5.94635	6.13832	6.52E-08	6.41E-05	8.26E-06	2.64E-03	2.55E-06	1.46E-03	4.18E-03
475	UCAF	570750.55	4178279	570750.55, 4178278.99	8.90451	0.00235	18.57999	21.19907	7.13678	7.34196	8.11E-08	5.75E-05	1.38E-05	4.80E-03	3.06E-06	1.75E-03	6.62E-03
476	UCAF	570790.55	4178279	570790.55, 4178278.99	11.06751	0.00191	25.2478	36.62216	8.55982	8.82226	1.01E-07	4.67E-05	1.88E-05	8.29E-03	3.67E-06	2.11E-03	1.05E-02
477	UCAF	570830.55	4178279	570830.55, 4178278.99	13.88786	0.00145	29.5131	41.44255	10.36418	10.71028	1.26E-07	3.55E-05	2.20E-05	9.38E-03	4.45E-06	2.56E-03	1.20E-02
478	UCAF	570870.55	4178279	570870.55, 4178278.99	17.63409	0.00105	19.74628	22.70139	12.70813	13.18802	1.61E-07	2.57E-05	1.47E-05	5.14E-03	5.45E-06	3.15E-03	8.33E-03
479	UCAF	570910.55	4178279	570910.55, 4178278.99	22.77475	0.0018	15.36326	16.63295	15.85302	16.53813	2.07E-07	4.40E-05	1.14E-05	3.76E-03	6.80E-06	3.95E-03	7.77E-03
480	UCAF	570950.55	4178279	570950.55, 4178278.99	30.11146	0.00359	13.15478	13.87002	20.25385	21.2837	2.74E-07	8.78E-05	9.80E-06	3.14E-03	8.69E-06	5.08E-03	8.32E-03
481	UCAF	571150.55	4178279	571150.55, 4178278.99	40.44292	0.03434	16.06152	17.643	49.18773	52.18849	3.68E-07	8.40E-04	1.20E-05	3.99E-03	2.11E-05	1.25E-02	1.73E-02
482	UCAF	571190.55	4178279	571190.55, 4178278.99	28.93529	0.04306	22.5525	27.51185	37.92202	41.04434	2.63E-07	1.05E-03	1.68E-05	6.23E-03	1.63E-05	9.79E-03	1.71E-02
483	UCAF	571230.55	4178279	571230.55, 4178278.99	21.61161	0.02806	28.79164	41.7899	27.72332	30.19107	1.97E-07	6.87E-04	2.14E-05	9.46E-03	1.19E-05	7.20E-03	1.74E-02
484	UCAF	571270.55	4178279	571270.55, 4178278.99	16.76798	0.02239	43.38722	72.87662	20.69258	22.21666	1.53E-07	5.48E-04	3.23E-05	1.65E-02	8.88E-06	5.30E-03	2.24E-02
485	UCAF	571310.55	4178279	571310.55, 4178278.99	13.41974	0.02042	25.63903	31.28266	16.03128	16.84053	1.22E-07	5.00E-04	1.91E-05	7.08E-03	6.88E-06	4.02E-03	1.16E-02
486	UCAF	571350.55	4178279	571350.55, 4178278.99	11.00141	0.01832	17.93728	20.08274	12.8242	13.21492	1.00E-07	4.48E-04	1.34E-05	4.55E-03	5.50E-06	3.15E-03	8.17E-03
487	UCAF	571390.55	4178279	571390.55, 4178278.99	9.19973	0.01631	13.46983	14.49303	10.52306	10.68987	8.38E-08	3.99E-04	1.00E-05	3.28E-03	4.51E-06	2.55E-03	6.25E-03
488	UCAF	571430.55	4178279	571430.55, 4178278.99	7.82284	0.01453	10.55525	11.13977	8.81379	8.86499	7.12E-08	3.56E-04	7.86E-06	2.52E-03	3.78E-06	2.12E-03	5.00E-03
489	UCAF	571470.55	4178279	571470.55, 4178278.99	6.74951	0.01285	8.55054	8.9237	7.51058	7.50333	6.15E-08	3.14E-04	6.37E-06	2.02E-03	3.22E-06	1.79E-03	4.13E-03
490	UCAF	571510.55	4178279	571510.55, 4178278.99	5.89104	0.01135	7.11096	7.36614	6.4854	6.45156	5.36E-08	2.78E-04	5.30E-06	1.67E-03	2.78E-06	1.54E-03	3.49E-03
491	UCAF	571550.55	4178279	571550.55, 4178278.99	5.1971	0.01005	6.03848	6.22281	5.66894	5.62444	4.73E-08	2.46E-04	4.50E-06	1.41E-03	2.43E-06	1.34E-03	3.00E-03
492	UCAF	571590.55	4178279	571590.55, 4178278.99	4.62657	0.00893	5.2143	5.35416	5.00606	4.95942	4.21E-08	2.19E-04	3.88E-06	1.21E-03	2.15E-06	1.18E-03	2.62E-03
493	UCAF	571630.55	4178279	571630.55, 4178278.99	4.14978	0.00792	4.56317	4.67403	4.45807	4.41379	3.78E-08	1.94E-04	3.40E-06	1.06E-03	1.91E-06	1.05E-03	2.31E-03
494	UCAF	571670.55	4178279	571670.55, 4178278.99	3.74913	0.00709	4.03849	4.12883	4.00245	3.96223	3.41E-08	1.73E-04	3.01E-06	9.35E-04	1.72E-06	9.45E-04	2.06E-03
495	UCAF	571710.55	4178279	571710.55, 4178278.99	3.40695	0.00637	3.60715	3.68158	3.61672	3.58142	3.10E-08	1.56E-04	2.69E-06	8.33E-04	1.55E-06	8.55E-04	1.85E-03
496	UCAF	571750.55	4178279	571750.55, 4178278.99	3.11203	0.0057	3.24711	3.3087	3.28695	3.25672	2.83E-08	1.39E-04	2.42E-06	7.49E-04	1.41E-06	7.77E-04	1.67E-03
497	UCAF	571790.55	4178279	571790.55, 4178278.99	2.85703	0.00513	2.94363	2.99483	3.00414	2.97864	2.60E-08	1.26E-04	2.19E-06	6.78E-04	1.29E-06	7.11E-04	1.52E-03
498	UCAF	571830.55	4178279	571830.55, 4178278.99	2.63391	0.00463	2.6843	2.72699	2.75843	2.73735	2.40E-08	1.13E-04	2.00E-06	6.17E-04	1.18E-06	6.53E-04	1.39E-03
499	UCAF	571870.55	4178279	571870.55, 4178278.99	2.43772	0.0042	2.46096	2.49672	2.54382	2.52675	2.22E-08	1.03E-04	1.83E-06	5.65E-04	1.09E-06	6.03E-04	1.27E-03
500	UCAF	570230.55	4178319	570230.55, 4178318.99	1.24325	0.00038	1.51723	1.51326	1.18207	1.16296	1.13E-08	9.30E-06	1.13E-06	3.43E-04	5.07E-07	2.78E-04	6.31E-04
501	UCAF	570270.55	4178319	570270.55, 4178318.99	1.36738	0.00044	1.68143	1.6788	1.29725	1.27494	1.25E-08	1.08E-05	1.25E-06	3.80E-04	5.57E-07	3.04E-04	6.97E-04
502	UCAF	570310.55	4178319	570310.55, 4178318.99	1.51277	0.00052	1.87364	1.87379	1.43175	1.40563	1.38E-08	1.27E-05	1.40E-06	4.24E-04	6.14E-07	3.35E-04	7.74E-04
503	UCAF	570350.55	4178319	570350.55, 4178318.99	1.68487	0.00061	2.101	2.10601	1.59036	1.55986	1.53E-08	1.49E-05	1.57E-06	4.77E-04	6.82E-07	3.72E-04	8.66E-04
504	UCAF	570390.55	4178319	570390.55, 4178318.99	1.89117	0.00073	2.37346	2.38578	1.77955	1.74435	1.72E-08	1.79E-05	1.77E-06	5.40E-04	7.63E-07	4.16E-04	9.77E-04
505	UCAF	570430.55	4178319	570430.55, 4178318.99	2.14105	0.00089	2.7028	2.72575	2.00723	1.96837	1.95E-08	2.18E-05	2.01E-06	6.17E-04	8.61E-07	4.70E-04	1.11E-03
506	UCAF	570470.55	4178319	570470.55, 4178318.99	2.44825	0.0011	3.10721	3.14405	2.28454	2.24508	2.23E-08	2.69E-05	2.31E-06	7.12E-04	9.80E-07	5.36E-04	1.28E-03
507	UCAF	570510.55	4178319	570510.55, 4178318.99	2.83299	0.00141	3.61569	3.66836	2.62731	2.59325	2.58E-08	3.45E-05	2.69E-06	8.30E-04	1.13E-06	6.19E-04	1.49E-03
508	UCAF	570550.55	4178319	570550.55, 4178318.99	3.32307	0.00184	4.26992	4.3403	3.05578	3.03836	3.03E-08	4.50E-05	3.18E-06	9.82E-04	1.31E-06	7.25E-04	1.76E-03
509	UCAF	570590.55	4178319	570590.55, 4178318.99	3.96109	0.00244	5.14624	5.23689	3.59881	3.61459	3.61E-08	5.97E-05	3.83E-06	1.19E-03	1.54E-06	8.63E-04	2.11E-03
510	UCAF	570630.55	4178319	570630.55, 4178318.99	4.81111	0.00308	6.39493	6.51593	4.29581	4.36414	4.38E-08	7.54E-05	4.76E-06	1.47E-03	1.84E-06	1.04E-03	2.60E-03
511	UCAF	570670.55	4178319	570670.55, 4178318.99	5.95707	0.0035	8.31681	8.52414	5.19065	5.33088	5.42E-08	8.56E-05	6.20E-06	1.93E-03	2.23E-06	1.27E-03	3.30E-03
512	UCAF	570710.55	4178319	570710.55, 4178318.99	7.53057	0.00349	11.81624	12.36796	6.34522	6.55922	6.86E-08	8.54E-05	8.80E-06	2.80E-03	2.72E-06	1.57E-03	4.46E-03
513	UCAF	570750.55	4178319	570750.55, 4178318.99	9.66925	0.0031	21.00957	24.14695	7.79589	8.06984	8.80E-08	7.59E-05	1.57E-05	5.47E-03	3.34E-06	1.93E-03	7.49E-03
514	UCAF	570790.55	4178319	570790.55, 4178318.99	12.66756	0.00192	24.69706	36.80025	9.70857	10.04534	1.15E-07	4.70E-05	1.84E-05	8.33E-03	4.17E-06	2.40E-03	1.08E-02
515	UCAF	570830.55	4178319	570830.55, 4178318.99	16.74551	0.00195	26.79062	35.87803	12.1791	12.64771	1.52E-07	4.77E-05	2.00E-05	8.12E-03	5.23E-06	3.02E-03	1.12E-02
516	UCAF	570870.55	4178319	570870.55, 4178318.99	22.55459	0.00241	18.94991	21.62048	15.49647	16.21932	2.05E-07	5.90E-05	1.41E-05	4.89E-03	6.65E-06	3.87E-03	8.84E-03
517	UCAF	570910.55	4178319	570910.55, 4178318.99	31.39756	0.00421	15.33155	16.58293	20.24352	21.38943	2.86E-07	1.03E-04	1.14E-05	3.75E-03	8.69E-06	5.10E-03	8.98E-03
518	UCAF	571190.55	4178319	571190.55, 4178318.99	35.08502	0.05144	29.09949	43.35297	55.57707	63.63319	3.19E-07	1.26E-03	2.17E-05	9.81E-03	2.38E-05	1.52E-02	2.63E-02
519	UCAF	571230.55	4178319	571230.55, 4178318.99	24.97281	0.05453	43.95202	74.40928	34.75961	37.73262	2.27E-07	1.33E-03	3.27E-05	1.68E-02	1.49E-05	9.00E-03	2.72E-02
520	UCAF	571270.55	4178319	571270.55, 4178318.99	18.85707	0.02471	26.20378	32.03834	24.34121	25.71727	1.72E-07	6.05E-04	1.95E-05	7.25E-03	1.04E-05	6.14E-03	1.40E-02
521	UCAF	571310.55	4178319	571310.55, 4178318.99	14.82815	0.02166	18.62371	20.88572	18.23455	18.99487	1.35E-07	5.30E-04	1.39E-05	4.73E-03	7.82E-06	4.53E-03	9.81E-03
522	UCAF	571350.55	4178319	571350.55, 4178318.99	12.01944	0.01913	14.19532	15.32696	14.28752	14.75884	1.09E-07	4.68E-04	1.06E-05	3.47E-03	6.13E-06	3.52E-03	7.48E-03
523	UCAF	571390.55	4178319	571390.55, 4178318.99	9.97512	0.01681	11.26377	11.9205	11.56156	11.87722	9.08E-08	4.11E-04	8.39E-06	2.70E-03	4.96E-06	2.83E-03	5.96E-03
524	UCAF	571430.55	4178319	571430.55, 4178318.99	8.43554	0.01474	9.21094	9.62745	9.58617	9.80989	7.68E-08	3.61E-04	6.86E-06	2.18E-03	4.11E-06	2.34E-03	4.89E-03
525	UCAF	571470.55	4178319	571470.55, 4178318.99	7.24561	0.013	7.69981	7.9832	8.10463	8.27076	6.60E-08	3.18E-04	5.74E-06	1.81E-03	3.48E-06	1.97E-03	4.11E-03
526	UCAF	571510.55	4178319	571510.55, 4178318.99	6.30395	0.01146	6.5544	6.75563	6.95989	7.08824	5.74E-08	2.80E-04	4.88E-06	1.53E-03	2.99E-06	1.69E-03	3.51E-03
527	UCAF	571550.55	4178319	571550.55, 4178318.99	5.54353	0.01016	5.66295	5.81131	6.05343	6.15604	5.05E-08	2.49E-04	4.22E-06	1.32E-03	2.60E-06	1.47E-03	3.04E-03
528	UCAF	571590.55	4178319	571590.55, 4178318.99	4.92044	0.00907	4.95375	5.0663	5.32349	5.40811	4.48E-08	2.22E-04	3.69E-06	1.15E-03	2.28E-06	1.29E-03	2.67E-03
529	UCAF	571630.55	4178319	571630.55, 4178318.99	4.40408	0.00808	4.38051	4.46818	4.72766	4.79933	4.01E-08	1.98E-04	3.26E-06	1.01E-03	2.03E-06	1.15E-03	2.36E-03
530	UCAF	571670.55	4178319	571670.55, 4178318.99	3.96932	0.00722	3.9088	3.97954	4.23231	4.29451	3.61E-08	1.77E-04	2.91E-06	9.01E-04	1.82E-06	1.02E-03	2.11E-03
531	UCAF	571710.55	4178319	571710.55, 4178318.99	3.59987	0.00647	3.51532	3.57429	3.81611	3.87124	3.28E-08	1.58E-04	2.62E-06	8.09E-04	1.64E-06	9.24E-04	1.90E-03
532	UCAF	571750.55	4178319	571750.55, 4178318.99	3.28334	0.00583	3.18327	3.23352	3.46315	3.51294	2.99E-08	1.43E-04	2.37E-06	7.32E-04	1.49E-06	8.38E-04	1.72E-03
533	UCAF	571790.55	4178319	571790.55, 4178318.99	3.00781	0.00527	2.89858	2.94173	3.15837	3.2041	2.74E-08	1.29E-04	2.16E-06	6.66E-04	1.36E-06	7.65E-04	1.56E-03
534	UCAF	571830.55	4178319	571830.55, 4178318.99	2.7679	0.00478	2.65341	2.69074	2.89518	2.93776	2.52E-08	1.17E-04	1.98E-06	6.09E-04	1.24E-06	7.01E-04	1.43E-03
535	UCAF	571870.55	4178319	571870.55, 4178318.99	2.55794	0.00431	2.44101	2.47344	2.66648	2.70665	2.33E-08	1.05E-04	1.82E-06	5.60E-04	1.14E-06	6.46E-04	1.31E-03
536	UCAF	570230.55	4178359	570230.55, 4178358.99	1.2365	0.00037	1.51502	1.51094	1.17495	1.15846	1.13E-08	9.05E-06	1.13E-06	3.42E-04	5.04E-07	2.76E-04	6.29E-04
537	UCAF	570270.55	4178359	570270.55, 4178358.99	1.35918	0.00043	1.68115	1.67811	1.28843	1.26967	1.24E-08	1.05E-05	1.25E-06	3.80E-04	5.53E-07	3.03E-04	6.95E-04
538	UCAF	570310.55	4178359	570310.55, 4178358.99	1.50277	0.0005	1.87646	1.87492	1.42078	1.39911	1.37E-08	1.22E-05	1.40E-06	4.24E-04	6.10E-07	3.34E-04	7.73E-04
539	UCAF	570350.55	4178359	570350.55, 4178358.99	1.6704	0.00058	2.10181	2.1059	1.57529	1.55129	1.52E-08	1.42E-05	1.57E-06	4.77E-04	6.76E-07	3.70E-04	8.63E-04
540	UCAF	570390.55	4178359	570390.55, 4178358.99	1.87353	0.00069	2.37862	2.38787	1.76138	1.73271	1.71E-08	1.69E-05	1.77E-06	5.41E-04	7.56E-07	4.13E-04	9.73E-04
541	UCAF	570430.55	4178359	570430.55, 4178358.99	2.1197	0.00083	2.7153	2.7329	1.98586	1.9515	1.93E-08	2.03E-05	2.02E-06	6.19E-04	8.52E-07	4.66E-04	1.11E-03
542	UCAF	570470.55	4178359	570470.55, 4178358.99	2.4211	0.001	3.12765	3.15942	2.25923	2.2195	2.20E-08	2.45E-05	2.33E-06	7.15E-04	9.69E-07	5.30E-04	1.27E-03
543	UCAF	570510.55	4178359	570510.55, 4178358.99	2.79852	0.00124	3.64752	3.69863	2.59881	2.5547	2.55E-08	3.03E-05	2.72E-06	8.37E-04	1.11E-06	6.10E-04	1.48E-03
544	UCAF	570550.55	4178359	570550.55, 4178358.99	3.28082	0.00159	4.32007	4.39581	3.02786	2.98389	2.99E-08	3.89E-05	3.22E-06	9.95E-04	1.30E-06	7.12E-04	1.75E-03
545	UCAF	570590.55	4178359	570590.55, 4178358.99	3.91499	0.00211	5.23084	5.33373	3.58234	3.54841	3.56E-08	5.16E-05	3.90E-06	1.21E-03	1.54E-06	8.47E-04	2.11E-03
546	UCAF	570630.55	4178359	570630.55, 4178358.99	4.77169	0.00289	6.53444	6.67165	4.31187	4.30907	4.34E-08	7.07E-05	4.87E-06	1.51E-03	1.85E-06	1.03E-03	2.62E-03
547	UCAF	570670.55	4178359	570670.55, 4178358.99	5.95883	0.00375	8.5461	8.76368	5.28402	5.35192	5.43E-08	9.18E-05	6.37E-06	1.98E-03	2.27E-06	1.28E-03	3.36E-03
548	UCAF	570710.55	4178359	570710.55, 4178358.99	7.6615	0.00428	12.17673	12.70836	6.60072	6.78905	6.98E-08	1.05E-04	9.07E-06	2.88E-03	2.83E-06	1.62E-03	4.61E-03
549	UCAF	570750.55	4178359	570750.55, 4178358.99	10.20175	0.0042	21.96673	25.39145	8.40354	8.74178	9.29E-08	1.03E-04	1.64E-05	5.75E-03	3.61E-06	2.09E-03	7.96E-03
550	UCAF	570790.55	4178359	570790.55, 4178358.99	13.91874	0.00288	34.15186	66.13526	10.77846	11.26414	1.27E-07	7.05E-05	2.54E-05	1.50E-02	4.62E-06	2.69E-03	1.78E-02
551	UCAF	570830.55	4178359	570830.55, 4178358.99	19.84152	0.0025	24.43852	31.46033	14.25678	14.97839	1.81E-07	6.12E-05	1.82E-05	7.12E-03	6.12E-06	3.57E-03	1.08E-02
552	UCAF	570870.55	4178359	570870.55, 4178358.99	28.91077	0.00507	18.42805	20.90583	19.04089	20.25692	2.63E-07	1.24E-04	1.37E-05	4.73E-03	8.17E-06	4.83E-03	9.71E-03
553	UCAF	571150.55	4178359	571150.55, 4178358.99	53.89923	0.04719	37.19203	52.65767	104.24985	229.71225	4.91E-07	1.15E-03	2.77E-05	1.19E-02	4.47E-05	5.48E-02	6.80E-02
554	UCAF	571190.55	4178359	571190.55, 4178358.99	36.33552	0.05714	44.64277	75.68012	57.82912	75.21262	3.31E-07	1.40E-03	3.33E-05	1.71E-02	2.48E-05	1.79E-02	3.65E-02
555	UCAF	571230.55	4178359	571230.55, 4178358.99	26.23743	0.055	26.85894	32.72943	36.93891	42.98086	2.39E-07	1.35E-03	2.00E-05	7.41E-03	1.58E-05	1.03E-02	1.90E-02
556	UCAF	571270.55	4178359	571270.55, 4178358.99	19.90053	0.02696	19.14911	21.436	25.91935	28.79508	1.81E-07	6.60E-04	1.43E-05	4.85E-03	1.11E-05	6.87E-03	1.24E-02
557	UCAF	571310.55	4178359	571310.55, 4178358.99	15.67076	0.02242	14.71337	15.88322	19.37509	20.98792	1.43E-07	5.49E-04	1.10E-05	3.60E-03	8.31E-06	5.01E-03	9.17E-03
558	UCAF	571350.55	4178359	571350.55, 4178358.99	12.70243	0.01952	11.76569	12.46579	15.138	16.14492	1.16E-07	4.78E-04	8.76E-06	2.82E-03	6.49E-06	3.85E-03	7.17E-03
559	UCAF	571390.55	4178359	571390.55, 4178358.99	10.53397	0.017	9.68866	10.13796	12.2154	12.89156	9.59E-08	4.16E-04	7.22E-06	2.29E-03	5.24E-06	3.08E-03	5.80E-03
560	UCAF	571430.55	4178359	571430.55, 4178358.99	8.8983	0.015	8.14856	8.4543	10.1041	10.58488	8.10E-08	3.67E-04	6.07E-06	1.91E-03	4.34E-06	2.53E-03	4.82E-03
561	UCAF	571470.55	4178359	571470.55, 4178358.99	7.63164	0.01322	6.96586	7.18134	8.52327	8.88121	6.95E-08	3.23E-04	5.19E-06	1.63E-03	3.66E-06	2.12E-03	4.08E-03
562	UCAF	571510.55	4178359	571510.55, 4178358.99	6.62961	0.01171	6.0337	6.19101	7.30607	7.58299	6.04E-08	2.87E-04	4.49E-06	1.40E-03	3.13E-06	1.81E-03	3.51E-03
563	UCAF	571550.55	4178359	571550.55, 4178358.99	5.82131	0.01042	5.28621	5.40351	6.34532	6.56643	5.30E-08	2.55E-04	3.94E-06	1.22E-03	2.72E-06	1.57E-03	3.05E-03
564	UCAF	571590.55	4178359	571590.55, 4178358.99	5.15653	0.00929	4.67499	4.7651	5.56911	5.75034	4.70E-08	2.27E-04	3.48E-06	1.08E-03	2.39E-06	1.37E-03	2.68E-03
565	UCAF	571630.55	4178359	571630.55, 4178358.99	4.60789	0.00832	4.17133	4.24194	4.93927	5.09176	4.20E-08	2.04E-04	3.11E-06	9.60E-04	2.12E-06	1.21E-03	2.38E-03
566	UCAF	571670.55	4178359	571670.55, 4178358.99	4.1468	0.00747	3.75023	3.80636	4.41683	4.54789	3.78E-08	1.83E-04	2.79E-06	8.62E-04	1.89E-06	1.09E-03	2.13E-03
567	UCAF	571710.55	4178359	571710.55, 4178358.99	3.75571	0.00673	3.39453	3.44057	3.97883	4.09361	3.42E-08	1.65E-04	2.53E-06	7.79E-04	1.71E-06	9.77E-04	1.92E-03

568	UCAF	571750.55	4178359	571750.55, 4178358.99	3.41871	0.00604	3.08988	3.12892	3.60465	3.70664	3.11E-08	1.48E-04	2.30E-06	7.08E-04	1.55E-06	8.84E-04	1.74E-03
569	UCAF	571790.55	4178359	571790.55, 4178358.99	3.12798	0.00546	2.82752	2.86167	3.28473	3.37666	2.85E-08	1.34E-04	2.11E-06	6.48E-04	1.41E-06	8.06E-04	1.59E-03
570	UCAF	571830.55	4178359	571830.55, 4178358.99	2.87445	0.00497	2.59924	2.62965	3.00778	3.09157	2.62E-08	1.22E-04	1.94E-06	5.95E-04	1.29E-06	7.38E-04	1.46E-03
571	UCAF	571870.55	4178359	571870.55, 4178358.99	2.65269	0.00451	2.3998	2.42721	2.76716	2.84434	2.42E-08	1.10E-04	1.79E-06	5.49E-04	1.19E-06	6.79E-04	1.34E-03
572	UCAF	570230.55	4178399	570230.55, 4178398.99	1.22694	0.00036	1.5081	1.50519	1.16587	1.15116	1.12E-08	8.81E-06	1.12E-06	3.41E-04	5.00E-07	2.75E-04	6.26E-04
573	UCAF	570270.55	4178399	570270.55, 4178398.99	1.34699	0.00041	1.67446	1.67277	1.27676	1.26057	1.23E-08	1.00E-05	1.25E-06	3.79E-04	5.48E-07	3.01E-04	6.91E-04
574	UCAF	570310.55	4178399	570310.55, 4178398.99	1.48965	0.00048	1.87114	1.87089	1.40816	1.39012	1.36E-08	1.17E-05	1.39E-06	4.23E-04	6.04E-07	3.32E-04	7.69E-04
575	UCAF	570350.55	4178399	570350.55, 4178398.99	1.65526	0.00056	2.09511	2.10058	1.56102	1.54238	1.51E-08	1.37E-05	1.56E-06	4.75E-04	6.70E-07	3.68E-04	8.59E-04
576	UCAF	570390.55	4178399	570390.55, 4178398.99	1.85654	0.00066	2.37632	2.38281	1.74499	1.72253	1.69E-08	1.62E-05	1.77E-06	5.39E-04	7.49E-07	4.11E-04	9.69E-04
577	UCAF	570430.55	4178399	570430.55, 4178398.99	2.09807	0.00078	2.71399	2.72569	1.96491	1.93867	1.91E-08	1.91E-05	2.02E-06	6.17E-04	8.43E-07	4.63E-04	1.10E-03
578	UCAF	570470.55	4178399	570470.55, 4178398.99	2.39328	0.00094	3.12756	3.15098	2.23254	2.2023	2.18E-08	2.30E-05	2.33E-06	7.13E-04	9.58E-07	5.26E-04	1.27E-03
579	UCAF	570510.55	4178399	570510.55, 4178398.99	2.76225	0.00114	3.65023	3.69283	2.56513	2.52974	2.52E-08	2.79E-05	2.72E-06	8.36E-04	1.10E-06	6.04E-04	1.47E-03
580	UCAF	570550.55	4178399	570550.55, 4178398.99	3.23328	0.00141	4.32942	4.4013	2.98665	2.94533	2.94E-08	3.45E-05	3.22E-06	9.96E-04	1.28E-06	7.03E-04	1.74E-03
581	UCAF	570590.55	4178399	570590.55, 4178398.99	3.85246	0.00181	5.25499	5.36579	3.53504	3.48759	3.51E-08	4.43E-05	3.91E-06	1.21E-03	1.52E-06	8.32E-04	2.10E-03
582	UCAF	570630.55	4178399	570630.55, 4178398.99	4.68773	0.00241	6.57516	6.74194	4.26352	4.21847	4.27E-08	5.90E-05	4.90E-06	1.53E-03	1.83E-06	1.01E-03	2.60E-03
583	UCAF	570670.55	4178399	570670.55, 4178398.99	5.85835	0.00336	8.6181	8.89137	5.26143	5.24462	5.33E-08	8.22E-05	6.42E-06	2.01E-03	2.26E-06	1.25E-03	3.36E-03
584	UCAF	570710.55	4178399	570710.55, 4178398.99	7.57789	0.00445	12.23313	12.84624	6.67331	6.74816	6.90E-08	1.09E-04	9.11E-06	2.91E-03	2.86E-06	1.61E-03	4.64E-03
585	UCAF	570750.55	4178399	570750.55, 4178398.99	10.27595	0.006	21.74998	24.88363	8.72632	9.00399	9.36E-08	1.47E-04	1.62E-05	5.63E-03	3.74E-06	2.15E-03	7.95E-03
586	UCAF	570790.55	4178399	570790.55, 4178398.99	14.65514	0.00438	33.15188	39.61656	11.72001	12.18768	1.33E-07	1.07E-04	2.47E-05	8.97E-03	5.03E-06	2.91E-03	1.20E-02
587	UCAF	570830.55	4178399	570830.55, 4178398.99	22.82726	0.00455	24.50657	31.39927	16.57675	17.71987	2.08E-07	1.11E-04	1.83E-05	7.11E-03	7.11E-06	4.23E-03	1.15E-02
588	UCAF	571110.55	4178399	571110.55, 4178398.99	64.20375	0.04905	31.44206	45.85555	82.84689	101.8577	5.85E-07	1.20E-03	2.34E-05	1.04E-02	3.55E-05	2.43E-02	3.59E-02
589	UCAF	571150.55	4178399	571150.55, 4178398.99	44.06172	0.04922	45.16373	76.62318	57.41366	69.05498	4.01E-07	1.20E-03	3.36E-05	1.73E-02	2.46E-05	1.65E-02	3.51E-02
590	UCAF	571190.55	4178399	571190.55, 4178398.99	31.97012	0.04952	27.59974	33.30736	40.7409	46.66528	2.91E-07	1.21E-03	2.06E-05	7.54E-03	1.75E-05	1.11E-02	1.99E-02
591	UCAF	571230.55	4178399	571230.55, 4178398.99	24.22572	0.05375	19.5684	21.87056	30.02394	33.17794	2.21E-07	1.32E-03	1.46E-05	4.95E-03	1.29E-05	7.92E-03	1.42E-02
592	UCAF	571270.55	4178399	571270.55, 4178398.99	18.98588	0.03004	15.10501	16.2735	22.91674	24.82204	1.73E-07	7.35E-04	1.13E-05	3.68E-03	9.83E-06	5.92E-03	1.04E-02
593	UCAF	571310.55	4178399	571310.55, 4178398.99	15.27771	0.023	12.15193	12.86305	18.01183	19.26662	1.39E-07	5.63E-04	9.05E-06	2.91E-03	7.73E-06	4.60E-03	8.09E-03
594	UCAF	571350.55	4178399	571350.55, 4178398.99	12.56452	0.02003	10.05286	10.51685	14.51608	15.38647	1.14E-07	4.90E-04	7.49E-06	2.38E-03	6.23E-06	3.67E-03	6.56E-03
595	UCAF	571390.55	4178399	571390.55, 4178398.99	10.52152	0.01756	8.48275	8.80775	11.94958	12.57983	9.58E-08	4.30E-04	6.32E-06	1.99E-03	5.13E-06	3.00E-03	5.44E-03
596	UCAF	571430.55	4178399	571430.55, 4178398.99	8.94744	0.0155	7.27859	7.51164	10.01662	10.48921	8.15E-08	3.79E-04	5.42E-06	1.70E-03	4.30E-06	2.50E-03	4.59E-03
597	UCAF	571470.55	4178399	571470.55, 4178398.99	7.70953	0.01373	6.33086	6.4958	8.52627	8.89078	7.02E-08	3.36E-04	4.72E-06	1.47E-03	3.66E-06	2.12E-03	3.94E-03
598	UCAF	571510.55	4178399	571510.55, 4178398.99	6.71828	0.01222	5.55794	5.68169	7.35538	7.64678	6.12E-08	2.99E-04	4.14E-06	1.29E-03	3.16E-06	1.82E-03	3.42E-03
599	UCAF	571550.55	4178399	571550.55, 4178398.99	5.9112	0.0109	4.92566	5.01822	6.41592	6.65451	5.38E-08	2.67E-04	3.67E-06	1.14E-03	2.75E-06	1.59E-03	3.00E-03
600	UCAF	571590.55	4178399	571590.55, 4178398.99	5.24406	0.00969	4.39826	4.46939	5.64942	5.84957	4.77E-08	2.37E-04	3.28E-06	1.01E-03	2.42E-06	1.40E-03	2.65E-03
601	UCAF	571630.55	4178399	571630.55, 4178398.99	4.68822	0.00868	3.9545	4.01112	5.01907	5.19048	4.27E-08	2.12E-04	2.95E-06	9.08E-04	2.15E-06	1.24E-03	2.36E-03
602	UCAF	571670.55	4178399	571670.55, 4178398.99	4.22214	0.00777	3.57973	3.62556	4.49651	4.64608	3.84E-08	1.90E-04	2.67E-06	8.21E-04	1.93E-06	1.11E-03	2.12E-03
603	UCAF	571710.55	4178399	571710.55, 4178398.99	3.82441	0.00702	3.25862	3.296	4.05435	4.1867	3.48E-08	1.72E-04	2.43E-06	7.46E-04	1.74E-06	9.99E-04	1.92E-03
604	UCAF	571750.55	4178399	571750.55, 4178398.99	3.48081	0.00635	2.98056	3.01166	3.6749	3.79325	3.17E-08	1.55E-04	2.22E-06	6.82E-04	1.58E-06	9.05E-04	1.75E-03
605	UCAF	571790.55	4178399	571790.55, 4178398.99	3.18412	0.00577	2.73928	2.76621	3.34971	3.45666	2.90E-08	1.41E-04	2.04E-06	6.26E-04	1.44E-06	8.25E-04	1.60E-03
606	UCAF	571830.55	4178399	571830.55, 4178398.99	2.92573	0.00524	2.52831	2.55248	3.06825	3.16574	2.66E-08	1.28E-04	1.88E-06	5.78E-04	1.32E-06	7.55E-04	1.46E-03
607	UCAF	571870.55	4178399	571870.55, 4178398.99	2.69994	0.00479	2.34309	2.36538	2.8237	2.91326	2.46E-08	1.17E-04	1.75E-06	5.35E-04	1.21E-06	6.95E-04	1.35E-03
608	UCAF	570230.55	4178439	570230.55, 4178438.99	1.21513	0.00034	1.49522	1.49411	1.15604	1.14291	1.11E-08	8.32E-06	1.11E-06	3.38E-04	4.96E-07	2.73E-04	6.21E-04
609	UCAF	570270.55	4178439	570270.55, 4178438.99	1.3322	0.00039	1.65983	1.66122	1.26435	1.25028	1.21E-08	9.54E-06	1.24E-06	3.76E-04	5.42E-07	2.98E-04	6.86E-04
610	UCAF	570310.55	4178439	570310.55, 4178438.99	1.47141	0.00045	1.85633	1.85932	1.39275	1.37761	1.34E-08	1.10E-05	1.38E-06	4.21E-04	5.98E-07	3.29E-04	7.63E-04
611	UCAF	570350.55	4178439	570350.55, 4178438.99	1.63893	0.00054	2.09073	2.09566	1.54676	1.53036	1.49E-08	1.32E-05	1.56E-06	4.74E-04	6.64E-07	3.65E-04	8.55E-04
612	UCAF	570390.55	4178439	570390.55, 4178438.99	1.83508	0.00063	2.36805	2.37429	1.72628	1.70857	1.67E-08	1.54E-05	1.76E-06	5.37E-04	7.41E-07	4.08E-04	9.63E-04
613	UCAF	570430.55	4178439	570430.55, 4178438.99	2.06859	0.00074	2.69249	2.70635	1.94023	1.92294	1.88E-08	1.81E-05	2.01E-06	6.13E-04	8.32E-07	4.59E-04	1.09E-03
614	UCAF	570470.55	4178439	570470.55, 4178438.99	2.35489	0.00088	3.0982	3.12089	2.20022	2.1827	2.14E-08	2.15E-05	2.31E-06	7.06E-04	9.44E-07	5.21E-04	1.25E-03
615	UCAF	570510.55	4178439	570510.55, 4178438.99	2.71768	0.00106	3.62386	3.65759	2.5274	2.50643	2.47E-08	2.59E-05	2.70E-06	8.28E-04	1.08E-06	5.98E-04	1.46E-03
616	UCAF	570550.55	4178439	570550.55, 4178438.99	3.17684	0.00129	4.30076	4.35987	2.93903	2.91474	2.89E-08	3.16E-05	3.20E-06	9.87E-04	1.26E-06	6.96E-04	1.72E-03
617	UCAF	570590.55	4178439	570590.55, 4178438.99	3.77489	0.0016	5.21208	5.31835	3.47124	3.44313	3.44E-08	3.92E-05	3.88E-06	1.20E-03	1.49E-06	8.22E-04	2.07E-03
618	UCAF	570630.55	4178439	570630.55, 4178438.99	4.57903	0.00202	6.50798	6.69634	4.17986	4.14812	4.17E-08	4.94E-05	4.85E-06	1.52E-03	1.79E-06	9.90E-04	2.56E-03
619	UCAF	570670.55	4178439	570670.55, 4178438.99	5.70194	0.00265	8.4919	8.84111	5.15807	5.12749	5.19E-08	6.48E-05	6.33E-06	2.00E-03	2.21E-06	1.22E-03	3.30E-03
620	UCAF	570710.55	4178439	570710.55, 4178438.99	7.35283	0.00369	11.96109	12.77199	6.57033	6.56357	6.69E-08	9.03E-05	8.91E-06	2.89E-03	2.82E-06	1.57E-03	4.56E-03
621	UCAF	570750.55	4178439	570750.55, 4178438.99	9.96016	0.00585	21.1339	25.03965	8.70123	8.79133	9.07E-08	1.43E-04	1.57E-05	5.67E-03	3.73E-06	2.10E-03	7.93E-03
622	UCAF	570790.55	4178439	570790.55, 4178438.99	14.52948	0.00725	25.02746	34.18914	12.19384	12.63784	1.32E-07	1.77E-04	1.86E-05	7.74E-03	5.23E-06	3.02E-03	1.10E-02
623	UCAF	571070.55	4178439	571070.55, 4178438.99	65.12168	0.05182	31.15822	43.53492	79.80064	92.45915	5.93E-07	1.27E-03	2.32E-05	9.85E-03	3.42E-05	2.21E-02	3.32E-02
624	UCAF	571110.55	4178439	571110.55, 4178438.99	46.18052	0.05138	45.67837	77.96681	55.64561	61.99446	4.20E-07	1.26E-03	3.40E-05	1.76E-02	2.39E-05	1.48E-02	3.38E-02
625	UCAF	571150.55	4178439	571150.55, 4178438.99	34.20072	0.05285	27.99803	33.79252	40.85375	44.77172	3.11E-07	1.29E-03	2.09E-05	7.65E-03	1.75E-05	1.07E-02	1.97E-02
626	UCAF	571190.55	4178439	571190.55, 4178438.99	26.23824	0.05327	19.99729	22.23768	30.98978	33.46495	2.39E-07	1.30E-03	1.49E-05	5.03E-03	1.33E-05	7.99E-03	1.44E-02
627	UCAF	571230.55	4178439	571230.55, 4178438.99	20.73367	0.05279	15.39939	16.58116	24.15947	25.7565	1.89E-07	1.29E-03	1.15E-05	3.75E-03	1.04E-05	6.15E-03	1.12E-02
628	UCAF	571270.55	4178439	571270.55, 4178438.99	16.77252	0.03023	12.39975	13.14402	19.26804	20.30926	1.53E-07	7.40E-04	9.24E-06	2.98E-03	8.27E-06	4.85E-03	8.58E-03
629	UCAF	571310.55	4178439	571310.55, 4178438.99	13.85503	0.02416	10.32601	10.80211	15.72636	16.45038	1.26E-07	5.91E-04	7.69E-06	2.45E-03	6.75E-06	3.93E-03	6.98E-03
630	UCAF	571350.55	4178439	571350.55, 4178438.99	11.62691	0.02115	8.75293	9.07711	13.06647	13.63668	1.06E-07	5.18E-04	6.52E-06	2.05E-03	5.61E-06	3.25E-03	5.84E-03
631	UCAF	571390.55	4178439	571390.55, 4178438.99	9.88536	0.01857	7.51646	7.76116	11.01314	11.49458	9.00E-08	4.54E-04	5.60E-06	1.76E-03	4.73E-06	2.74E-03	4.96E-03
632	UCAF	571430.55	4178439	571430.55, 4178438.99	8.51493	0.01632	6.55426	6.73269	9.41086	9.81337	7.75E-08	3.99E-04	4.88E-06	1.52E-03	4.04E-06	2.34E-03	4.27E-03
633	UCAF	571470.55	4178439	571470.55, 4178438.99	7.41234	0.01447	5.77995	5.90482	8.13109	8.46625	6.75E-08	3.54E-04	4.31E-06	1.34E-03	3.49E-06	2.02E-03	3.72E-03
634	UCAF	571510.55	4178439	571510.55, 4178438.99	6.50938	0.01281	5.12692	5.22517	7.09483	7.38062	5.93E-08	3.13E-04	3.82E-06	1.18E-03	3.04E-06	1.76E-03	3.26E-03
635	UCAF	571550.55	4178439	571550.55, 4178438.99	5.76413	0.01146	4.58641	4.6615	6.24494	6.48812	5.25E-08	2.80E-04	3.42E-06	1.06E-03	2.68E-06	1.55E-03	2.89E-03
636	UCAF	571590.55	4178439	571590.55, 4178438.99	5.13993	0.01025	4.13091	4.18782	5.5371	5.74529	4.68E-08	2.51E-04	3.08E-06	9.48E-04	2.38E-06	1.37E-03	2.58E-03
637	UCAF	571630.55	4178439	571630.55, 4178438.99	4.6119	0.0092	3.7395	3.785	4.94339	5.12349	4.20E-08	2.25E-04	2.79E-06	8.57E-04	2.12E-06	1.22E-03	2.31E-03
638	UCAF	571670.55	4178439	571670.55, 4178438.99	4.16755	0.00829	3.40592	3.44378	4.44855	4.60592	3.79E-08	2.03E-04	2.54E-06	7.80E-04	1.91E-06	1.10E-03	2.09E-03
639	UCAF	571710.55	4178439	571710.55, 4178438.99	3.78428	0.00748	3.11643	3.14822	4.02369	4.16217	3.45E-08	1.83E-04	2.32E-06	7.13E-04	1.73E-06	9.93E-04	1.89E-03
640	UCAF	571750.55	4178439	571750.55, 4178438.99	3.45249	0.00676	2.86408	2.89085	3.65789	3.78057	3.14E-08	1.65E-04	2.13E-06	6.54E-04	1.57E-06	9.02E-04	1.73E-03
641	UCAF	571790.55	4178439	571790.55, 4178438.99	3.16285	0.00612	2.64226	2.66515	3.34016	3.44951	2.88E-08	1.50E-04	1.97E-06	6.03E-04	1.43E-06	8.23E-04	1.58E-03
642	UCAF	571830.55	4178439	571830.55, 4178438.99	2.91067	0.00556	2.44777	2.46806	3.06505	3.16324	2.65E-08	1.36E-04	1.82E-06	5.59E-04	1.32E-06	7.55E-04	1.45E-03
643	UCAF	571870.55	4178439	571870.55, 4178438.99	2.68876	0.00508	2.27549	2.29414	2.82402	2.91271	2.45E-08	1.24E-04	1.70E-06	5.19E-04	1.21E-06	6.95E-04	1.34E-03
644	UCAF	570230.55	4178479	570230.55, 4178478.99	1.20089	0.00033	1.47788	1.47707	1.14463	1.13349	1.09E-08	8.08E-06	1.10E-06	3.34E-04	4.91E-07	2.70E-04	6.14E-04
645	UCAF	570270.55	4178479	570270.55, 4178478.99	1.31941	0.00038	1.639	1.6441	1.25326	1.23972	1.20E-08	9.30E-06	1.22E-06	3.72E-04	5.38E-07	2.96E-04	6.79E-04
646	UCAF	570310.55	4178479	570310.55, 4178478.99	1.45143	0.00044	1.83571	1.84224	1.37702	1.36498	1.32E-08	1.08E-05	1.37E-06	4.17E-04	5.91E-07	3.26E-04	7.55E-04
647	UCAF	570350.55	4178479	570350.55, 4178478.99	1.61673	0.00052	2.07015	2.08034	1.52979	1.51724	1.47E-08	1.27E-05	1.54E-06	4.71E-04	6.56E-07	3.62E-04	8.48E-04
648	UCAF	570390.55	4178479	570390.55, 4178478.99	1.79641	0.0006	2.31954	2.34207	1.69652	1.68866	1.64E-08	1.47E-05	1.73E-06	5.30E-04	7.28E-07	4.03E-04	9.50E-04
649	UCAF	570430.55	4178479	570430.55, 4178478.99	2.00296	0.00069	2.60664	2.64147	1.88699	1.88507	1.82E-08	1.69E-05	1.94E-06	5.98E-04	8.10E-07	4.50E-04	1.07E-03
650	UCAF	570470.55	4178479	570470.55, 4178478.99	2.27603	0.00081	2.99627	3.03874	2.13676	2.13725	2.07E-08	1.98E-05	2.23E-06	6.88E-04	9.17E-07	5.10E-04	1.22E-03
651	UCAF	570510.55	4178479	570510.55, 4178478.99	2.64105	0.00098	3.53479	3.58053	2.46774	2.46524	2.40E-08	2.40E-05	2.63E-06	8.10E-04	1.06E-06	5.88E-04	1.43E-03
652	UCAF	570550.55	4178479	570550.55, 4178478.99	3.10219	0.0012	4.23757	4.28728	2.88277	2.87267	2.82E-08	2.94E-05	3.16E-06	9.70E-04	1.24E-06	6.85E-04	1.69E-03
653	UCAF	570590.55	4178479	570590.55, 4178478.99	3.67494	0.00146	5.11514	5.20563	3.39651	3.38696	3.35E-08	3.57E-05	3.81E-06	1.18E-03	1.46E-06	8.08E-04	2.03E-03
654	UCAF	570630.55	4178479	570630.55, 4178478.99	4.43986	0.00178	6.34601	6.52697	4.07785	4.0699	4.04E-08	4.36E-05	4.73E-06	1.48E-03	1.75E-06	9.71E-04	2.50E-03
655	UCAF	570670.55	4178479	570670.55, 4178478.99	5.49984	0.00218	8.19959	8.58988	5.01439	5.01145	5.01E-08	5.33E-05	6.11E-06	1.94E-03	2.15E-06	1.20E-03	3.20E-03
656	UCAF	570710.55	4178479	570710.55, 4178478.99	7.05064	0.00276	11.42925	12.41506	6.37048	6.37792	6.42E-08	6.75E-05	8.51E-06	2.81E-03	2.73E-06	1.52E-03	4.41E-03
657	UCAF	570750.55	4178479	570750.55, 4178478.99	9.48539	0.0034	19.08615	23.7135	8.46379	8.5069	8.64E-08	8.32E-05	1.42E-05	5.37E-03	3.63E-06	2.03E-03	7.50E-03
658	UCAF	570790.55	4178479	570790.55, 4178478.99	13.68886	0.0037	22.97959	43.98118	12.00628	12.21507	1.25E-07	9.05E-05	1.71E-05	9.96E-03	5.15E-06	2.91E-03	1.30E-02
659	UCAF	571030.55	4178479	571030.55, 4178478.99	56.14193	0.05074	31.4205	44.13271	78.41922	89.34822	5.11E-07	1.24E-03	2.34E-05	9.99E-03	3.36E-05	2.13E-02	3.26E-02
660	UCAF	571070.55	4178479	571070.55, 4178478.99	41.89633	0.05462	46.24375	79.53661	54.04406	58.7093	3.81E-07	1.34E-03	3.44E-05	1.80E-02	2.32E-05	1.40E-02	3.34E-02
661	UCAF	571110.55	4178479	571110.55, 4178478.99	32.24229	0.05233	28.40563	34.31304	39.88779	42.58035	2.94E-07	1.28E-03	2.12E-05	7.77E-03	1.71E-05	1.02E-02	1.92E-02
662	UCAF	571150.55	4178479	571150.55, 4178478.99	25.46093	0.05246	20.30873	22.57519	30.67199	32.41071	2.32E-07	1.28E-03	1.51E-05	5.11E-03	1.32E-05	7.73E-03	1.42E-02
663	UCAF	571190.55	4178479	571190.55, 4178478.99	20.50221	0.06896	15.64996	16.818	24.24665	25.47355	1.87E-07	1.69E-03	1.17E-05	3.81E-03	1.04E-05	6.08E-03	1.16E-02
664	UCAF	571230.55	4178479	571230.55, 4178478.99	16.84222	0.05006	12.65859	13.35863	19.62604	20.5077	1.53E-07	1.22E-03	9.43E-06	3.02E-03	8.42E-06	4.89E-03	9.16E-03
665	UCAF	571270.55	4178479	571270.55, 4178478.99	14.06161	0.03065	10.54284	11.00715	16.1728	16.8333	1.28E-07	7.50E-04	7.85E-06	2.49E-03	6.94E-06	4.02E-03	7.27E-03
666	UCAF	571310.55	4178479	571310.55, 4178478.99	11.89743	0.02564	8.94674	9.27927	13.51747	14.01974	1.08E-07	6.27E-04	6.66E-06	2.10E-03	5.80E-06	3.35E-03	6.09E-03
667	UCAF	571350.55	4178479	571350.55, 4178478.99	10.19748	0.02235	7.71968	7.95416	11.46267	11.84046	9.28E-08	5.47E-04	5.75E-06	1.80E-03	4.92E-06	2.83E-03	5.18E-03
668	UCAF	571390.55	4178479	571390.55, 4178478.99	8.8288	0.01963	6.73312	6.91235	9.83749	10.15258	8.04E-08	4.80E-04	5.02E-06	1.56E-03	4.22E-06	2.42E-03	4.48E-03
669	UCAF	571430.55	4178479	571430.55, 4178478.99	7.72665	0.01733	5.94989	6.07849	8.54519	8.8158	7.04E-08	4.24E-04	4.43E-06	1.38E-03	3.67E-06	2.10E-03	3.91E-03
670	UCAF	571470.55	4178479	571470.55, 4178478.99	6.81203	0.01535	5.29334	5.39071	7.4851	7.72988	6.20E-08	3.76E-04	3.94E-06	1.22E-03	3.21E-06	1.84E-03	3.45E-03
671	UCAF	571510.55	4178479	571510.55, 4178478.99	6.04906	0.01365	4.74124	4.81747	6.60928	6.83235	5.51E-08	3.34E-04	3.53E-06	1.09E-03	2.84E-06	1.63E-03	3.06E-03
672	UCAF	571550.55	4178479	571550.55, 4178478.99	5.4065	0.01215	4.27493	4.33463	5.87626	6.07737	4.92E-08	2.97E-04	3.18E-06	9.81E-04	2.52E-06	1.45E-03	2.73E-03
673	UCAF	571590.55	4178479	571590.55, 4178478.99	4.85992	0.01087	3.87571	3.9232	5.25638	5.43676	4.43E-08	2.66E-04	2.89E-06	8.88E-04	2.26E-06	1.30E-03	2.46E-03
674	UCAF	571630.55	4178479	571630.55, 4178478.99	4.39127	0.00974	3.53067	3.56928	4.72834	4.88904	4.00E-08	2.38E-04	2.63E-06	8.08E-04	2.03E-06	1.17E-03	2.22E-03
675	UCAF	571670.55	4178479	571670.55, 4178478.99	3.99023	0.00876	3.2327	3.26522	4.28004	4.42274	3.63E-08	2.14E-04	2.41E-06	7.39E-04	1.84E-06	1.06E-03	2.01E-03
676	UCAF	571710.55	4178479	571710.55, 4178478.99	3.64095	0.00789	2.97203	3.00014	3.89103	4.01748	3.32E-08	1.93E-04	2.21E-06	6.79E-04	1.67E-06	9.59E-04	1.83E-03
677	UCAF	571750.55	4178479	571750.55, 4178478.99	3.33622	0.0071	2.74319	2.76775	3.55335	3.66534	3.04E-08	1.74E-04	2.04E-06	6.26E-04	1.52E-06	8.75E-04	1.68E-03
678	UCAF	571790.55	4178479	571790.55, 4178478.99	3.06798	0.00644	2.54062	2.56203	3.25733	3.35655	2.79E-08	1.58E-04	1.89E-06	5.80E-04	1.40E-06	8.01E-04	1.54E-03
679	UCAF	571830.55	4178479	571830.55, 4178478.99	2.83226	0.00585	2.36148	2.38032	2.99847	3.0866	2.58E-08	1.43E-04	1.76E-06	5.39E-04	1.29E-06	7.37E-04	1.42E-03
680	UCAF	571870.55	4178479	571870.55, 4178478.99	2.62343	0.00533	2.20186	2.21884	2.77008	2.84857	2.39E-08	1.30E-04	1.64E-06	5.02E-04	1.19E-06	6.80E-04	1.32E-03
681	UCAF	570230.55	4178519	570230.55, 4178518.99	1.18676	0.00034	1.45801	1.45626	1.13372	1.12523	1.08E-08	8.32E-06	1.09E-06	3.30E-04	4.86E-07	2.69E-04	6.08E-04
682	UCAF	570270.55	4178519	570270.55, 4178518.99	1.29995	0.00039	1.62086	1.62304	1.23942	1.23092	1.18E-08	9.54E-06	1.21E-06	3.67E-04	5.32E-07	2.94E-04	6.72E-04
683	UCAF	570310.55	4178519	570310.55, 4178518.99	1.43191	0.00045	1.81298	1.82001	1.36234	1.35388	1.30E-08	1.10E-05	1.35E-06	4.12E-04	5.84E-07	3.23E-04	7.48E-04

684	UCAF	570350.55	4178519	570350.55, 4178518.99	1.57145	0.00051	2.00589	2.03014	1.49358	1.49143	1.43E-08	1.25E-05	1.49E-06	4.60E-04	6.41E-07	3.56E-04	8.30E-04
685	UCAF	570390.55	4178519	570390.55, 4178518.99	1.71221	0.00057	2.20087	2.2416	1.62547	1.63116	1.56E-08	1.39E-05	1.64E-06	5.07E-04	6.97E-07	3.89E-04	9.13E-04
686	UCAF	570430.55	4178519	570430.55, 4178518.99	1.91454	0.00066	2.4921	2.54287	1.81318	1.82251	1.74E-08	1.62E-05	1.86E-06	5.76E-04	7.78E-07	4.35E-04	1.03E-03
687	UCAF	570470.55	4178519	570470.55, 4178518.99	2.17019	0.00078	2.86216	2.92278	2.04933	2.06207	1.98E-08	1.91E-05	2.13E-06	6.62E-04	8.79E-07	4.92E-04	1.18E-03
688	UCAF	570510.55	4178519	570510.55, 4178518.99	2.53398	0.00094	3.40603	3.47249	2.38264	2.39311	2.31E-08	2.30E-05	2.54E-06	7.86E-04	1.02E-06	5.71E-04	1.38E-03
689	UCAF	570550.55	4178519	570550.55, 4178518.99	3.00773	0.00118	4.15256	4.20931	2.81258	2.80862	2.74E-08	2.89E-05	3.09E-06	9.53E-04	1.21E-06	6.70E-04	1.66E-03
690	UCAF	570590.55	4178519	570590.55, 4178518.99	3.55272	0.00142	4.99819	5.07914	3.30753	3.30111	3.23E-08	3.47E-05	3.72E-06	1.15E-03	1.42E-06	7.88E-04	1.98E-03
691	UCAF	570630.55	4178519	570630.55, 4178518.99	4.26613	0.00169	6.13741	6.29247	3.95342	3.95002	3.88E-08	4.14E-05	4.57E-06	1.42E-03	1.70E-06	9.43E-04	2.41E-03
692	UCAF	570670.55	4178519	570670.55, 4178518.99	5.25169	0.00199	7.85515	8.20155	4.84221	4.84307	4.78E-08	4.87E-05	5.85E-06	1.86E-03	2.08E-06	1.16E-03	3.07E-03
693	UCAF	570710.55	4178519	570710.55, 4178518.99	6.66399	0.00231	10.71979	11.67839	6.11413	6.13355	6.07E-08	5.65E-05	7.99E-06	2.64E-03	2.62E-06	1.46E-03	4.17E-03
694	UCAF	570750.55	4178519	570750.55, 4178518.99	8.78778	0.00227	16.36479	20.14494	8.03694	8.12965	8.00E-08	5.55E-05	1.22E-05	4.56E-03	3.45E-06	1.94E-03	6.57E-03
695	UCAF	570790.55	4178519	570790.55, 4178518.99	12.11986	0.00229	28.55794	33.0636	11.06972	11.34953	1.10E-07	5.60E-05	2.13E-05	7.48E-03	4.75E-06	2.71E-03	1.03E-02
696	UCAF	570990.55	4178519	570990.55, 4178518.99	36.86641	0.04487	32.40136	70.25959	84.10723	101.13342	3.36E-07	1.10E-03	2.41E-05	1.59E-02	3.61E-05	2.41E-02	4.12E-02
697	UCAF	571030.55	4178519	571030.55, 4178518.99	31.2299	0.04773	46.93139	81.0553	52.52598	57.04076	2.84E-07	1.17E-03	3.50E-05	1.83E-02	2.25E-05	1.36E-02	3.32E-02
698	UCAF	571070.55	4178519	571070.55, 4178518.99	26.05163	0.05347	28.85082	34.82921	37.83178	39.94087	2.37E-07	1.31E-03	2.15E-05	7.88E-03	1.62E-05	9.53E-03	1.88E-02
699	UCAF	571110.55	4178519	571110.55, 4178518.99	21.74919	0.055	20.61905	22.90297	29.14344	30.44947	1.98E-07	1.35E-03	1.54E-05	5.18E-03	1.25E-05	7.27E-03	1.38E-02
700	UCAF	571150.55	4178519	571150.55, 4178518.99	18.25932	0.0577	15.89926	17.06592	23.27488	24.17575	1.66E-07	1.41E-03	1.18E-05	3.86E-03	9.99E-06	5.77E-03	1.11E-02
701	UCAF	571190.55	4178519	571190.55, 4178518.99	15.44671	0.06757	12.8442	13.53553	19.04166	19.71047	1.41E-07	1.65E-03	9.57E-06	3.06E-03	8.17E-06	4.70E-03	9.44E-03
702	UCAF	571230.55	4178519	571230.55, 4178518.99	13.17209	0.04477	10.6936	11.14359	15.83789	16.34588	1.20E-07	1.10E-03	7.97E-06	2.52E-03	6.80E-06	3.90E-03	7.53E-03
703	UCAF	571270.55	4178519	571270.55, 4178518.99	11.33987	0.03119	9.10406	9.41669	13.37368	13.76056	1.03E-07	7.63E-04	6.78E-06	2.13E-03	5.74E-06	3.28E-03	6.19E-03
704	UCAF	571310.55	4178519	571310.55, 4178518.99	9.85451	0.0267	7.87249	8.0973	11.44342	11.75283	8.97E-08	6.53E-04	5.86E-06	1.83E-03	4.91E-06	2.80E-03	5.30E-03
705	UCAF	571350.55	4178519	571350.55, 4178518.99	8.62476	0.02332	6.87783	7.04785	9.87737	10.12882	7.85E-08	5.71E-04	5.12E-06	1.60E-03	4.24E-06	2.42E-03	4.59E-03
706	UCAF	571390.55	4178519	571390.55, 4178518.99	7.60968	0.02049	6.07446	6.20595	8.60929	8.80104	6.93E-08	5.01E-04	4.52E-06	1.40E-03	3.69E-06	2.10E-03	4.01E-03
707	UCAF	571430.55	4178519	571430.55, 4178518.99	6.76401	0.01802	5.41549	5.51643	7.57417	7.72345	6.16E-08	4.41E-04	4.03E-06	1.25E-03	3.25E-06	1.84E-03	3.54E-03
708	UCAF	571470.55	4178519	571470.55, 4178518.99	6.04856	0.01596	4.8594	4.9391	6.71499	6.84392	5.51E-08	3.91E-04	3.62E-06	1.12E-03	2.88E-06	1.63E-03	3.15E-03
709	UCAF	571510.55	4178519	571510.55, 4178518.99	5.43902	0.01418	4.3882	4.45114	5.99404	6.11241	4.95E-08	3.47E-04	3.27E-06	1.01E-03	2.57E-06	1.46E-03	2.82E-03
710	UCAF	571550.55	4178519	571550.55, 4178518.99	4.91471	0.01264	3.9834	4.03427	5.38188	5.49467	4.47E-08	3.09E-04	2.97E-06	9.13E-04	2.31E-06	1.31E-03	2.54E-03
711	UCAF	571590.55	4178519	571590.55, 4178518.99	4.46209	0.0113	3.63311	3.67525	4.86014	4.96795	4.06E-08	2.77E-04	2.71E-06	8.32E-04	2.09E-06	1.19E-03	2.30E-03
712	UCAF	571630.55	4178519	571630.55, 4178518.99	4.06757	0.01008	3.32825	3.36331	4.409	4.51113	3.70E-08	2.47E-04	2.48E-06	7.61E-04	1.89E-06	1.08E-03	2.09E-03
713	UCAF	571670.55	4178519	571670.55, 4178518.99	3.72306	0.00906	3.06178	3.09139	4.01841	4.11399	3.39E-08	2.22E-04	2.28E-06	7.00E-04	1.72E-06	9.82E-04	1.91E-03
714	UCAF	571710.55	4178519	571710.55, 4178518.99	3.4194	0.00816	2.82704	2.85264	3.67607	3.76445	3.11E-08	2.00E-04	2.11E-06	6.46E-04	1.58E-06	8.98E-04	1.75E-03
715	UCAF	571750.55	4178519	571750.55, 4178518.99	3.15123	0.00737	2.61939	2.6421	3.37562	3.45649	2.87E-08	1.80E-04	1.95E-06	5.98E-04	1.45E-06	8.25E-04	1.61E-03
716	UCAF	571790.55	4178519	571790.55, 4178518.99	2.91368	0.00667	2.43504	2.45537	3.11093	3.18438	2.65E-08	1.63E-04	1.81E-06	5.56E-04	1.33E-06	7.60E-04	1.48E-03
717	UCAF	571830.55	4178519	571830.55, 4178518.99	2.70199	0.00606	2.27043	2.28856	2.87618	2.94253	2.46E-08	1.48E-04	1.69E-06	5.18E-04	1.23E-06	7.02E-04	1.37E-03
718	UCAF	571870.55	4178519	571870.55, 4178518.99	2.51306	0.00552	2.12312	2.13932	2.66764	2.72736	2.29E-08	1.35E-04	1.58E-06	4.84E-04	1.14E-06	6.51E-04	1.27E-03
719	UCAF	570230.55	4178559	570230.55, 4178558.99	1.16619	0.00034	1.42765	1.42605	1.11724	1.11289	1.06E-08	8.32E-06	1.06E-06	3.23E-04	4.79E-07	2.66E-04	5.98E-04
720	UCAF	570270.55	4178559	570270.55, 4178558.99	1.27736	0.00039	1.58841	1.58944	1.22157	1.21675	1.16E-08	9.54E-06	1.18E-06	3.60E-04	5.24E-07	2.90E-04	6.61E-04
721	UCAF	570310.55	4178559	570310.55, 4178558.99	1.40271	0.00045	1.77063	1.77929	1.33919	1.33581	1.28E-08	1.10E-05	1.32E-06	4.03E-04	5.75E-07	3.19E-04	7.34E-04
722	UCAF	570350.55	4178559	570350.55, 4178558.99	1.52238	0.00051	1.93876	1.96625	1.4523	1.45633	1.39E-08	1.25E-05	1.44E-06	4.45E-04	6.23E-07	3.48E-04	8.07E-04
723	UCAF	570390.55	4178559	570390.55, 4178558.99	1.66719	0.00058	2.14847	2.19105	1.58827	1.59694	1.52E-08	1.42E-05	1.60E-06	4.96E-04	6.81E-07	3.81E-04	8.94E-04
724	UCAF	570430.55	4178559	570430.55, 4178558.99	1.86444	0.00068	2.44125	2.49689	1.77231	1.78301	1.70E-08	1.66E-05	1.82E-06	5.65E-04	7.60E-07	4.25E-04	1.01E-03
725	UCAF	570470.55	4178559	570470.55, 4178558.99	2.10292	0.0008	2.79652	2.86587	1.99422	2.00697	1.91E-08	1.96E-05	2.08E-06	6.49E-04	8.56E-07	4.79E-04	1.15E-03
726	UCAF	570510.55	4178559	570510.55, 4178558.99	2.4305	0.00097	3.29487	3.37708	2.2974	2.30851	2.21E-08	2.37E-05	2.45E-06	7.64E-04	9.86E-07	5.51E-04	1.34E-03
727	UCAF	570550.55	4178559	570550.55, 4178558.99	2.89107	0.00121	4.03734	4.11889	2.72008	2.71604	2.63E-08	2.96E-05	3.01E-06	9.32E-04	1.17E-06	6.48E-04	1.61E-03
728	UCAF	570590.55	4178559	570590.55, 4178558.99	3.41635	0.00149	4.88782	4.98059	3.20237	3.18724	3.11E-08	3.65E-05	3.64E-06	1.13E-03	1.37E-06	7.61E-04	1.93E-03
729	UCAF	570630.55	4178559	570630.55, 4178558.99	4.07289	0.00176	5.95392	6.10649	3.8081	3.79639	3.71E-08	4.31E-05	4.44E-06	1.38E-03	1.63E-06	9.06E-04	2.34E-03
730	UCAF	570670.55	4178559	570670.55, 4178558.99	4.95802	0.00205	7.50434	7.79552	4.62955	4.63172	4.51E-08	5.02E-05	5.59E-06	1.76E-03	1.99E-06	1.11E-03	2.93E-03
731	UCAF	570710.55	4178559	570710.55, 4178558.99	6.1837	0.00236	9.97367	10.68406	5.78621	5.83104	5.63E-08	5.77E-05	7.43E-06	2.42E-03	2.48E-06	1.39E-03	3.88E-03
732	UCAF	570750.55	4178559	570750.55, 4178558.99	7.95041	0.00278	14.7991	17.20368	7.50695	7.64849	7.24E-08	6.80E-05	1.10E-05	3.89E-03	3.22E-06	1.83E-03	5.80E-03
733	UCAF	570790.55	4178559	570790.55, 4178558.99	9.01255	0.00491	28.36726	41.5563	8.94632	9.66912	8.21E-08	1.20E-04	2.11E-05	9.41E-03	3.84E-06	2.31E-03	1.19E-02
734	UCAF	570830.55	4178559	570830.55, 4178558.99	12.94065	0.00594	41.81673	61.7815	13.69721	15.06904	1.18E-07	1.45E-04	3.11E-05	1.40E-02	5.88E-06	3.60E-03	1.78E-02
735	UCAF	570950.55	4178559	570950.55, 4178558.99	21.45052	0.03865	41.09165	50.38025	48.73052	63.37829	1.95E-07	9.46E-04	3.06E-05	1.14E-02	2.09E-05	1.51E-02	2.75E-02
736	UCAF	570990.55	4178559	570990.55, 4178558.99	20.62183	0.04534	47.82081	82.65672	39.85151	44.30589	1.88E-07	1.11E-03	3.56E-05	1.87E-02	1.71E-05	1.06E-02	3.04E-02
737	UCAF	571030.55	4178559	571030.55, 4178558.99	18.83163	0.04656	29.28261	35.40769	31.10247	32.61526	1.71E-07	1.14E-03	2.18E-05	8.01E-03	1.33E-05	7.78E-03	1.70E-02
738	UCAF	571070.55	4178559	571070.55, 4178558.99	16.83014	0.05649	20.93113	23.2229	24.98005	25.70107	1.53E-07	1.38E-03	1.56E-05	5.26E-03	1.07E-05	6.13E-03	1.28E-02
739	UCAF	571110.55	4178559	571110.55, 4178558.99	14.87135	0.0705	16.10429	17.26327	20.53697	20.99052	1.35E-07	1.73E-03	1.20E-05	3.91E-03	8.81E-06	5.01E-03	1.07E-02
740	UCAF	571150.55	4178559	571150.55, 4178558.99	13.09943	0.0641	12.98704	13.67178	17.19351	17.50962	1.19E-07	1.57E-03	9.67E-06	3.09E-03	7.38E-06	4.18E-03	8.86E-03
741	UCAF	571190.55	4178559	571190.55, 4178558.99	11.5317	0.05133	10.80388	11.25358	14.60239	14.85493	1.05E-07	1.26E-03	8.05E-06	2.55E-03	6.27E-06	3.54E-03	7.36E-03
742	UCAF	571230.55	4178559	571230.55, 4178558.99	10.18079	0.03747	9.20261	9.51271	12.54193	12.73255	9.27E-08	9.17E-04	6.86E-06	2.15E-03	5.38E-06	3.04E-03	6.12E-03
743	UCAF	571270.55	4178559	571270.55, 4178558.99	9.0118	0.02985	7.96334	8.18683	10.85387	11.00441	8.21E-08	7.30E-04	5.93E-06	1.85E-03	4.66E-06	2.63E-03	5.22E-03
744	UCAF	571310.55	4178559	571310.55, 4178558.99	8.01492	0.02617	6.97645	7.14105	9.48125	9.59708	7.30E-08	6.40E-04	5.20E-06	1.62E-03	4.07E-06	2.29E-03	4.56E-03
745	UCAF	571350.55	4178559	571350.55, 4178558.99	7.16284	0.02305	6.17	6.29489	8.34593	8.44353	6.52E-08	5.64E-04	4.60E-06	1.42E-03	3.58E-06	2.01E-03	4.01E-03
746	UCAF	571390.55	4178559	571390.55, 4178558.99	6.43128	0.02036	5.50207	5.60152	7.39213	7.4745	5.86E-08	4.98E-04	4.10E-06	1.27E-03	3.17E-06	1.78E-03	3.56E-03
747	UCAF	571430.55	4178559	571430.55, 4178558.99	5.80184	0.01804	4.94082	5.02337	6.58946	6.65096	5.28E-08	4.41E-04	3.68E-06	1.14E-03	2.83E-06	1.59E-03	3.17E-03
748	UCAF	571470.55	4178559	571470.55, 4178558.99	5.25921	0.01603	4.46664	4.5337	5.91061	5.9537	4.79E-08	3.92E-04	3.33E-06	1.03E-03	2.54E-06	1.42E-03	2.85E-03
749	UCAF	571510.55	4178559	571510.55, 4178558.99	4.78748	0.01429	4.06088	4.11482	5.33124	5.36502	4.36E-08	3.50E-04	3.02E-06	9.31E-04	2.29E-06	1.28E-03	2.57E-03
750	UCAF	571550.55	4178559	571550.55, 4178558.99	4.3748	0.0127	3.7083	3.75295	4.83395	4.86667	3.98E-08	3.11E-04	2.76E-06	8.50E-04	2.07E-06	1.16E-03	2.33E-03
751	UCAF	571590.55	4178559	571590.55, 4178558.99	4.01234	0.01137	3.40062	3.43825	4.40456	4.43948	3.65E-08	2.78E-04	2.53E-06	7.78E-04	1.89E-06	1.06E-03	2.12E-03
752	UCAF	571630.55	4178559	571630.55, 4178558.99	3.69129	0.0102	3.13089	3.16247	4.02857	4.06653	3.36E-08	2.50E-04	2.33E-06	7.16E-04	1.73E-06	9.70E-04	1.94E-03
753	UCAF	571670.55	4178559	571670.55, 4178558.99	3.40666	0.00918	2.89294	2.91967	3.69949	3.74	3.10E-08	2.25E-04	2.15E-06	6.61E-04	1.59E-06	8.92E-04	1.78E-03
754	UCAF	571710.55	4178559	571710.55, 4178558.99	3.15236	0.00827	2.68192	2.70474	3.40807	3.45011	2.87E-08	2.02E-04	2.00E-06	6.12E-04	1.46E-06	8.23E-04	1.64E-03
755	UCAF	571750.55	4178559	571750.55, 4178558.99	2.92263	0.00747	2.49282	2.51271	3.14652	3.18885	2.66E-08	1.83E-04	1.86E-06	5.69E-04	1.35E-06	7.61E-04	1.52E-03
756	UCAF	571790.55	4178559	571790.55, 4178558.99	2.71925	0.00677	2.32532	2.34327	2.91723	2.95882	2.48E-08	1.66E-04	1.73E-06	5.30E-04	1.25E-06	7.06E-04	1.41E-03
757	UCAF	571830.55	4178559	571830.55, 4178558.99	2.5361	0.00615	2.175	2.19134	2.71201	2.75203	2.31E-08	1.50E-04	1.62E-06	4.96E-04	1.16E-06	6.57E-04	1.31E-03
758	UCAF	571870.55	4178559	571870.55, 4178558.99	2.37016	0.00561	2.03927	2.05407	2.52699	2.56486	2.16E-08	1.37E-04	1.52E-06	4.65E-04	1.08E-06	6.12E-04	1.22E-03
759	UCAF	570230.55	4178599	570230.55, 4178598.99	1.14548	0.00035	1.39958	1.39587	1.09971	1.09724	1.04E-08	8.56E-06	1.04E-06	3.16E-04	4.72E-07	2.62E-04	5.88E-04
760	UCAF	570270.55	4178599	570270.55, 4178598.99	1.25252	0.0004	1.55429	1.55182	1.20047	1.19722	1.14E-08	9.79E-06	1.16E-06	3.51E-04	5.15E-07	2.86E-04	6.48E-04
761	UCAF	570310.55	4178599	570310.55, 4178598.99	1.37228	0.00046	1.72765	1.73262	1.31338	1.31124	1.25E-08	1.13E-05	1.29E-06	3.92E-04	5.63E-07	3.13E-04	7.18E-04
762	UCAF	570350.55	4178599	570350.55, 4178598.99	1.49192	0.00053	1.89851	1.92017	1.42661	1.42941	1.36E-08	1.30E-05	1.41E-06	4.35E-04	6.12E-07	3.41E-04	7.91E-04
763	UCAF	570390.55	4178599	570390.55, 4178598.99	1.62865	0.00061	2.09898	2.13725	1.55549	1.56142	1.48E-08	1.49E-05	1.56E-06	4.84E-04	6.67E-07	3.73E-04	8.74E-04
764	UCAF	570430.55	4178599	570430.55, 4178598.99	1.8158	0.00072	2.38351	2.43791	1.73083	1.73645	1.65E-08	1.76E-05	1.78E-06	5.52E-04	7.43E-07	4.14E-04	9.86E-04
765	UCAF	570470.55	4178599	570470.55, 4178598.99	2.04597	0.00086	2.73956	2.81231	1.94599	1.95049	1.86E-08	2.10E-05	2.04E-06	6.37E-04	8.35E-07	4.65E-04	1.13E-03
766	UCAF	570510.55	4178599	570510.55, 4178598.99	2.36504	0.00104	3.2515	3.3416	2.24308	2.24192	2.15E-08	2.54E-05	2.42E-06	7.56E-04	9.62E-07	5.35E-04	1.32E-03
767	UCAF	570550.55	4178599	570550.55, 4178598.99	2.78874	0.0013	3.9747	4.0691	2.63611	2.61985	2.54E-08	3.18E-05	2.96E-06	9.21E-04	1.13E-06	6.25E-04	1.58E-03
768	UCAF	570590.55	4178599	570590.55, 4178598.99	3.26612	0.00158	4.79263	4.90739	3.08255	3.06267	2.97E-08	3.87E-05	3.57E-06	1.11E-03	1.32E-06	7.31E-04	1.89E-03
769	UCAF	570630.55	4178599	570630.55, 4178598.99	3.84867	0.00187	5.80233	5.98103	3.63616	3.63541	3.50E-08	4.58E-05	4.32E-06	1.35E-03	1.56E-06	8.67E-04	2.27E-03
770	UCAF	570670.55	4178599	570670.55, 4178598.99	4.6223	0.00219	7.29227	7.57207	4.38766	4.42284	4.21E-08	5.36E-05	5.43E-06	1.71E-03	1.88E-06	1.06E-03	2.83E-03
771	UCAF	570710.55	4178599	570710.55, 4178598.99	5.60579	0.00257	9.47185	10.01644	5.39245	5.51522	5.10E-08	6.29E-05	7.06E-06	2.27E-03	2.31E-06	1.32E-03	3.66E-03
772	UCAF	570750.55	4178599	570750.55, 4178598.99	6.90065	0.00349	13.46669	14.74468	6.83189	7.0775	6.28E-08	8.54E-05	1.00E-05	3.34E-03	2.93E-06	1.69E-03	5.12E-03
773	UCAF	570790.55	4178599	570790.55, 4178598.99	8.31008	0.00526	22.6565	28.75406	8.69417	9.11991	7.57E-08	1.29E-04	1.69E-05	6.51E-03	3.73E-06	2.18E-03	8.83E-03
774	UCAF	570830.55	4178599	570830.55, 4178598.99	9.94057	0.00656	30.31299	41.2599	11.59226	12.18567	9.05E-08	1.61E-04	2.26E-05	9.34E-03	4.97E-06	2.91E-03	1.24E-02
775	UCAF	570870.55	4178599	570870.55, 4178598.99	11.43389	0.00867	41.45018	52.66118	15.11248	15.70172	1.04E-07	2.12E-04	3.09E-05	1.19E-02	6.48E-06	3.75E-03	1.59E-02
776	UCAF	570910.55	4178599	570910.55, 4178598.99	12.82749	0.02629	38.29108	50.88843	18.88755	19.78328	1.17E-07	6.43E-04	2.85E-05	1.15E-02	8.10E-06	4.72E-03	1.69E-02
777	UCAF	570950.55	4178599	570950.55, 4178598.99	13.44506	0.0406	48.95261	84.7434	20.85661	22.07946	1.22E-07	9.93E-04	3.65E-05	1.92E-02	8.95E-06	5.27E-03	2.55E-02
778	UCAF	570990.55	4178599	570990.55, 4178598.99	13.28111	0.04856	29.5918	36.03945	19.88836	20.79088	1.21E-07	1.19E-03	2.20E-05	8.16E-03	8.53E-06	4.96E-03	1.43E-02
779	UCAF	571030.55	4178599	571030.55, 4178598.99	12.6037	0.04266	21.01519	23.50229	17.90036	18.42519	1.15E-07	1.04E-03	1.57E-05	5.32E-03	7.68E-06	4.40E-03	1.08E-02
780	UCAF	571070.55	4178599	571070.55, 4178598.99	11.68783	0.04881	16.18597	17.41251	15.91341	16.14327	1.06E-07	1.19E-03	1.21E-05	3.94E-03	6.83E-06	3.85E-03	9.01E-03
781	UCAF	571110.55	4178599	571110.55, 4178598.99	10.701	0.05416	13.06557	13.75213	14.08151	14.15952	9.74E-08	1.33E-03	9.73E-06	3.11E-03	6.04E-06	3.38E-03	7.83E-03
782	UCAF	571150.55	4178599	571150.55, 4178598.99	9.71794	0.04399	10.85664	11.29627	12.42831	12.46869	8.85E-08	1.08E-03	8.09E-06	2.56E-03	5.33E-06	2.98E-03	6.62E-03
783	UCAF	571190.55	4178599	571190.55, 4178598.99	8.78204	0.0344	9.21001	9.53086	10.97922	11.03309	8.00E-08	8.42E-04	6.86E-06	2.16E-03	4.71E-06	2.63E-03	5.64E-03
784	UCAF	571230.55	4178599	571230.55, 4178598.99	7.946	0.02942	7.9783	8.20888	9.74627	9.7849	7.23E-08	7.20E-04	5.94E-06	1.86E-03	4.18E-06	2.33E-03	4.92E-03
785	UCAF	571270.55	4178599	571270.55, 4178598.99	7.19601	0.02615	7.0054	7.17176	8.67784	8.70521	6.55E-08	6.40E-04	5.22E-06	1.62E-03	3.72E-06	2.08E-03	4.35E-03
786	UCAF	571310.55	4178599	571310.55, 4178598.99	6.5226	0.02362	6.20724	6.32972	7.74429	7.76369	5.94E-08	5.78E-04	4.62E-06	1.43E-03	3.32E-06	1.85E-03	3.87E-03
787	UCAF	571350.55	4178599	571350.55, 4178598.99	5.92718	0.02119	5.5425	5.63605	6.94256	6.95384	5.40E-08	5.19E-04	4.13E-06	1.28E-03	2.98E-06	1.66E-03	3.46E-03
788	UCAF	571390.55	4178599	571390.55, 4178598.99	5.4032	0.019	4.98512	5.0605	6.25305	6.26444	4.92E-08	4.65E-04	3.71E-06	1.15E-03	2.68E-06	1.49E-03	3.11E-03
789	UCAF	571430.55	4178599	571430.55, 4178598.99	4.94098	0.01703	4.51126	4.57401	5.65545	5.66705	4.50E-08	4.17E-04	3.36E-06	1.04E-03	2.43E-06	1.35E-03	2.81E-03
790	UCAF	571470.55	4178599	571470.55, 4178598.99	4.53265	0.01528	4.10466	4.15676	5.1352	5.14037	4.13E-08	3.74E-04	3.06E-06	9.41E-04	2.20E-06	1.23E-03	2.55E-03
791	UCAF	571510.55	4178599	571510.55, 4178598.99	4.17124	0.01372	3.75263	3.79596	4.6819	4.67895	3.80E-08	3.36E-04	2.80E-06	8.59E-04	2.01E-06	1.12E-03	2.32E-03
792	UCAF	571550.55	4178599	571550.55, 4178598.99	3.85015	0.01233	3.44562	3.48188	4.2855	4.27841	3.51E-08	3.02E-04	2.57E-06	7.88E-04	1.84E-06	1.02E-03	2.12E-03
793	UCAF	571590.55	4178599	571590.55, 4178598.99	3.56371	0.0111	3.17583	3.20642	3.93728	3.93102	3.24E-08	2.72E-04	2.37E-06	7.26E-04	1.69E-06	9.38E-04	1.94E-03
794	UCAF	571630.55	4178599	571630.55, 4178598.99	3.30686	0.01001	2.93709	2.96304	3.62951	3.62702	3.01E-08	2.45E-04	2.19E-06	6.71E-04	1.56E-06	8.65E-04	1.78E-03
795	UCAF	571670.55	4178599	571670.55, 4178598.99	3.07615	0.00903	2.72495	2.74711	3.35724	3.35957	2.80E-08	2.21E-04	2.03E-06	6.22E-04	1.44E-06	8.02E-04	1.65E-03
796	UCAF	571710.55	4178599	571710.55, 4178598.99	2.86672	0.00817	2.53511	2.55397	3.11267	3.11985	2.61E-08	2.00E-04	1.89E-06	5.78E-04	1.34E-06	7.44E-04	1.53E-03
797	UCAF	571750.55	4178599	571750.55, 4178598.99	2.67689	0.0074	2.3648	2.38109	2.89357	2.90496	2.44E-08	1.81E-04	1.76E-06	5.39E-04	1.24E-06	6.93E-04	1.42E-03
798	UCAF	571790.55	4178599	571790.55, 4178598.99	2.50621	0.00672	2.21268	2.22729	2.69857	2.71334	2.28E-08	1.64E-04	1.65E-06	5.04E-04	1.16E-06	6.47E-04	1.32E-03
799	UCAF	571830.55	4178599	571830.55, 4178598.99	2.35118	0.00612	2.07566	2.08916	2.52288	2.5401	2.14E-08	1.50E-04	1.55E-06	4.73E-04	1.08E-06	6.06E-04	1.23E-03

800	UCAF	571870.55	4178599	571870.55, 4178598.99	2.2086	0.00558	1.95096	1.9635	2.36228	2.38103	2.01E-08	1.37E-04	1.45E-06	4.44E-04	1.01E-06	5.68E-04	1.15E-03
801	UCAF	570230.55	4178639	570230.55, 4178638.99	1.12324	0.00036	1.3681	1.36439	1.08017	1.07706	1.02E-08	8.81E-06	1.02E-06	3.09E-04	4.63E-07	2.57E-04	5.76E-04
802	UCAF	570270.55	4178639	570270.55, 4178638.99	1.22591	0.00041	1.51397	1.51102	1.17709	1.1723	1.12E-08	1.00E-05	1.13E-06	3.42E-04	5.05E-07	2.80E-04	6.33E-04
803	UCAF	570310.55	4178639	570310.55, 4178638.99	1.34396	0.00048	1.685	1.68481	1.28832	1.28146	1.22E-08	1.17E-05	1.26E-06	3.81E-04	5.53E-07	3.06E-04	7.01E-04
804	UCAF	570350.55	4178639	570350.55, 4178638.99	1.46875	0.00056	1.86475	1.87674	1.40633	1.40082	1.34E-08	1.37E-05	1.39E-06	4.25E-04	6.03E-07	3.34E-04	7.75E-04
805	UCAF	570390.55	4178639	570390.55, 4178638.99	1.60108	0.00065	2.05817	2.08676	1.53146	1.52765	1.46E-08	1.59E-05	1.53E-06	4.72E-04	6.57E-07	3.65E-04	8.55E-04
806	UCAF	570430.55	4178639	570430.55, 4178638.99	1.7754	0.00077	2.32671	2.37291	1.69554	1.69031	1.62E-08	1.88E-05	1.73E-06	5.37E-04	7.27E-07	4.03E-04	9.62E-04
807	UCAF	570470.55	4178639	570470.55, 4178638.99	2.00845	0.00092	2.70458	2.77236	1.91454	1.9058	1.83E-08	2.25E-05	2.01E-06	6.28E-04	8.21E-07	4.55E-04	1.11E-03
808	UCAF	570510.55	4178639	570510.55, 4178638.99	2.3174	0.00112	3.24252	3.33071	2.20486	2.18968	2.11E-08	2.74E-05	2.42E-06	7.54E-04	9.46E-07	5.22E-04	1.31E-03
809	UCAF	570550.55	4178639	570550.55, 4178638.99	2.68307	0.00137	3.92465	4.02601	2.55093	2.53262	2.44E-08	3.35E-05	2.92E-06	9.11E-04	1.09E-06	6.04E-04	1.55E-03
810	UCAF	570590.55	4178639	570590.55, 4178638.99	3.09045	0.00162	4.69918	4.84319	2.94556	2.94937	2.81E-08	3.96E-05	3.50E-06	1.10E-03	1.26E-06	7.04E-04	1.84E-03
811	UCAF	570630.55	4178639	570630.55, 4178638.99	3.61188	0.00195	5.80824	5.99316	3.46328	3.50062	3.29E-08	4.77E-05	4.33E-06	1.36E-03	1.49E-06	8.35E-04	2.25E-03
812	UCAF	570670.55	4178639	570670.55, 4178638.99	4.23835	0.00236	7.33215	7.60528	4.1173	4.2143	3.86E-08	5.77E-05	5.46E-06	1.72E-03	1.77E-06	1.01E-03	2.79E-03
813	UCAF	570710.55	4178639	570710.55, 4178638.99	4.96796	0.00295	9.50805	10.00723	4.94484	5.12767	4.52E-08	7.22E-05	7.08E-06	2.27E-03	2.12E-06	1.22E-03	3.57E-03
814	UCAF	570750.55	4178639	570750.55, 4178638.99	5.78126	0.00377	12.94318	13.96867	5.99484	6.26034	5.26E-08	9.23E-05	9.64E-06	3.16E-03	2.57E-06	1.49E-03	4.76E-03
815	UCAF	570790.55	4178639	570790.55, 4178638.99	6.63846	0.00502	20.072	22.36445	7.30687	7.58205	6.04E-08	1.23E-04	1.50E-05	5.06E-03	3.13E-06	1.81E-03	7.01E-03
816	UCAF	570830.55	4178639	570830.55, 4178638.99	7.41128	0.0061	33.10534	40.01697	8.77205	8.99041	6.75E-08	1.49E-04	2.47E-05	9.06E-03	3.76E-06	2.15E-03	1.14E-02
817	UCAF	570870.55	4178639	570870.55, 4178638.99	8.22136	0.0078	47.37916	60.3612	10.20087	10.2382	7.49E-08	1.91E-04	3.53E-05	1.37E-02	4.38E-06	2.44E-03	1.63E-02
818	UCAF	570910.55	4178639	570910.55, 4178638.99	8.99707	0.01237	50.77169	86.79709	11.70155	11.95348	8.19E-08	3.03E-04	3.78E-05	1.96E-02	5.02E-06	2.85E-03	2.28E-02
819	UCAF	570950.55	4178639	570950.55, 4178638.99	9.37125	0.01991	29.92825	36.31904	12.49749	12.78801	8.53E-08	4.87E-04	2.23E-05	8.22E-03	5.36E-06	3.05E-03	1.18E-02
820	UCAF	570990.55	4178639	570990.55, 4178638.99	9.37755	0.02436	21.06355	23.49261	12.40733	12.68554	8.54E-08	5.96E-04	1.57E-05	5.32E-03	5.32E-06	3.03E-03	8.96E-03
821	UCAF	571030.55	4178639	571030.55, 4178638.99	9.09566	0.0295	16.12289	17.30501	11.83741	12.03081	8.28E-08	7.22E-04	1.20E-05	3.92E-03	5.08E-06	2.87E-03	7.53E-03
822	UCAF	571070.55	4178639	571070.55, 4178638.99	8.6143	0.02956	12.91984	13.60366	10.9886	11.13407	7.84E-08	7.23E-04	9.62E-06	3.08E-03	4.71E-06	2.66E-03	6.47E-03
823	UCAF	571110.55	4178639	571110.55, 4178638.99	8.06159	0.02838	10.73373	11.15854	10.07739	10.14444	7.34E-08	6.94E-04	8.00E-06	2.53E-03	4.32E-06	2.42E-03	5.65E-03
824	UCAF	571150.55	4178639	571150.55, 4178638.99	7.48141	0.02711	9.1354	9.41795	9.19137	9.19655	6.81E-08	6.63E-04	6.80E-06	2.13E-03	3.94E-06	2.19E-03	5.00E-03
825	UCAF	571190.55	4178639	571190.55, 4178638.99	6.89988	0.02405	7.90588	8.11235	8.36417	8.35303	6.28E-08	5.88E-04	5.89E-06	1.84E-03	3.59E-06	1.99E-03	4.43E-03
826	UCAF	571230.55	4178639	571230.55, 4178638.99	6.35143	0.02259	6.94672	7.09893	7.61591	7.59156	5.78E-08	5.53E-04	5.17E-06	1.61E-03	3.27E-06	1.81E-03	3.98E-03
827	UCAF	571270.55	4178639	571270.55, 4178638.99	5.84038	0.02113	6.16776	6.281	6.9337	6.90718	5.32E-08	5.17E-04	4.59E-06	1.42E-03	2.97E-06	1.65E-03	3.59E-03
828	UCAF	571310.55	4178639	571310.55, 4178638.99	5.37221	0.0196	5.52206	5.60503	6.31518	6.29028	4.89E-08	4.80E-04	4.11E-06	1.27E-03	2.71E-06	1.50E-03	3.26E-03
829	UCAF	571350.55	4178639	571350.55, 4178638.99	4.94559	0.01805	4.97524	5.03864	5.7578	5.73335	4.50E-08	4.42E-04	3.71E-06	1.14E-03	2.47E-06	1.37E-03	2.96E-03
830	UCAF	571390.55	4178639	571390.55, 4178638.99	4.56148	0.01658	4.50933	4.56096	5.26298	5.23827	4.15E-08	4.06E-04	3.36E-06	1.03E-03	2.26E-06	1.25E-03	2.69E-03
831	UCAF	571430.55	4178639	571430.55, 4178638.99	4.21639	0.01514	4.1095	4.15303	4.8233	4.80381	3.84E-08	3.70E-04	3.06E-06	9.40E-04	2.07E-06	1.15E-03	2.46E-03
832	UCAF	571470.55	4178639	571470.55, 4178638.99	3.90601	0.01381	3.76283	3.79942	4.43111	4.41688	3.56E-08	3.38E-04	2.80E-06	8.60E-04	1.90E-06	1.05E-03	2.26E-03
833	UCAF	571510.55	4178639	571510.55, 4178638.99	3.62656	0.01264	3.45953	3.49029	4.0808	4.0664	3.30E-08	3.09E-04	2.58E-06	7.90E-04	1.75E-06	9.70E-04	2.07E-03
834	UCAF	571550.55	4178639	571550.55, 4178638.99	3.37619	0.01148	3.19287	3.21938	3.77072	3.75261	3.07E-08	2.81E-04	2.38E-06	7.29E-04	1.62E-06	8.95E-04	1.91E-03
835	UCAF	571590.55	4178639	571590.55, 4178638.99	3.15013	0.01043	2.95652	2.97969	3.4937	3.47297	2.87E-08	2.55E-04	2.20E-06	6.74E-04	1.50E-06	8.29E-04	1.76E-03
836	UCAF	571630.55	4178639	571630.55, 4178638.99	2.94493	0.00948	2.74597	2.76618	3.24464	3.22442	2.68E-08	2.32E-04	2.05E-06	6.26E-04	1.39E-06	7.69E-04	1.63E-03
837	UCAF	571670.55	4178639	571670.55, 4178638.99	2.75729	0.00864	2.55692	2.57453	3.01948	3.00243	2.51E-08	2.11E-04	1.90E-06	5.83E-04	1.30E-06	7.16E-04	1.51E-03
838	UCAF	571710.55	4178639	571710.55, 4178638.99	2.58722	0.00786	2.38743	2.40278	2.81825	2.80558	2.36E-08	1.92E-04	1.78E-06	5.44E-04	1.21E-06	6.69E-04	1.41E-03
839	UCAF	571750.55	4178639	571750.55, 4178638.99	2.43204	0.00715	2.23485	2.24823	2.63678	2.62879	2.21E-08	1.75E-04	1.66E-06	5.09E-04	1.13E-06	6.27E-04	1.31E-03
840	UCAF	571790.55	4178639	571790.55, 4178638.99	2.29108	0.00653	2.09765	2.10962	2.47368	2.47015	2.09E-08	1.60E-04	1.56E-06	4.78E-04	1.06E-06	5.89E-04	1.23E-03
841	UCAF	571830.55	4178639	571830.55, 4178638.99	2.16039	0.00596	1.97257	1.98356	2.32379	2.32428	1.97E-08	1.46E-04	1.47E-06	4.49E-04	9.97E-07	5.55E-04	1.15E-03
842	UCAF	571870.55	4178639	571870.55, 4178638.99	2.04035	0.00546	1.85898	1.86936	2.18725	2.19115	1.86E-08	1.34E-04	1.38E-06	4.23E-04	9.38E-07	5.23E-04	1.08E-03
843	UCAF	570230.55	4178679	570230.55, 4178678.99	1.10021	0.00037	1.33334	1.33158	1.05925	1.0521	1.00E-08	9.05E-06	9.93E-07	3.01E-04	4.54E-07	2.51E-04	5.63E-04
844	UCAF	570270.55	4178679	570270.55, 4178678.99	1.19946	0.00043	1.47173	1.47018	1.15303	1.14245	1.09E-08	1.05E-05	1.10E-06	3.33E-04	4.95E-07	2.73E-04	6.18E-04
845	UCAF	570310.55	4178679	570310.55, 4178678.99	1.31391	0.0005	1.63512	1.63416	1.261	1.24622	1.20E-08	1.22E-05	1.22E-06	3.70E-04	5.41E-07	2.97E-04	6.81E-04
846	UCAF	570350.55	4178679	570350.55, 4178678.99	1.44388	0.00059	1.824	1.82748	1.38374	1.36591	1.31E-08	1.44E-05	1.36E-06	4.14E-04	5.94E-07	3.26E-04	7.56E-04
847	UCAF	570390.55	4178679	570390.55, 4178678.99	1.59129	0.00069	2.04455	2.05736	1.52327	1.50412	1.45E-08	1.69E-05	1.52E-06	4.66E-04	6.54E-07	3.59E-04	8.44E-04
848	UCAF	570430.55	4178679	570430.55, 4178678.99	1.76773	0.00081	2.32374	2.34969	1.69059	1.671	1.61E-08	1.98E-05	1.73E-06	5.32E-04	7.25E-07	3.99E-04	9.53E-04
849	UCAF	570470.55	4178679	570470.55, 4178678.99	1.98281	0.00097	2.69048	2.73637	1.89556	1.87828	1.81E-08	2.37E-05	2.00E-06	6.19E-04	8.13E-07	4.48E-04	1.09E-03
850	UCAF	570510.55	4178679	570510.55, 4178678.99	2.24853	0.00116	3.19358	3.26391	2.151	2.13987	2.05E-08	2.84E-05	2.38E-06	7.39E-04	9.23E-07	5.11E-04	1.28E-03
851	UCAF	570550.55	4178679	570550.55, 4178678.99	2.5474	0.00137	3.81428	3.93006	2.44511	2.457	2.32E-08	3.35E-05	2.84E-06	8.90E-04	1.05E-06	5.86E-04	1.51E-03
852	UCAF	570590.55	4178679	570590.55, 4178678.99	2.90818	0.00163	4.68116	4.83994	2.81021	2.85557	2.65E-08	3.99E-05	3.49E-06	1.10E-03	1.21E-06	6.81E-04	1.82E-03
853	UCAF	570630.55	4178679	570630.55, 4178678.99	3.32881	0.002	5.88845	6.09743	3.25568	3.34367	3.03E-08	4.89E-05	4.39E-06	1.38E-03	1.40E-06	7.98E-04	2.23E-03
854	UCAF	570670.55	4178679	570670.55, 4178678.99	3.79758	0.00254	7.57497	7.91118	3.78821	3.92264	3.46E-08	6.22E-05	5.64E-06	1.79E-03	1.63E-06	9.36E-04	2.80E-03
855	UCAF	570710.55	4178679	570710.55, 4178678.99	4.30124	0.00329	10.10864	10.75071	4.41911	4.58525	3.92E-08	8.05E-05	7.53E-06	2.43E-03	1.90E-06	1.09E-03	3.62E-03
856	UCAF	570750.55	4178679	570750.55, 4178678.99	4.81396	0.00401	14.41005	15.77033	5.14953	5.31194	4.38E-08	9.81E-05	1.07E-05	3.57E-03	2.21E-06	1.27E-03	4.95E-03
857	UCAF	570790.55	4178679	570790.55, 4178678.99	5.28936	0.00461	22.9453	26.88967	5.92639	6.04588	4.82E-08	1.13E-04	1.71E-05	6.09E-03	2.54E-06	1.44E-03	7.66E-03
858	UCAF	570830.55	4178679	570830.55, 4178678.99	5.74035	0.00533	30.95298	67.68263	6.66221	6.68811	5.23E-08	1.30E-04	2.31E-05	1.53E-02	2.86E-06	1.60E-03	1.71E-02
859	UCAF	570870.55	4178679	570870.55, 4178678.99	6.26664	0.00641	46.97814	83.85301	7.40013	7.3299	5.71E-08	1.57E-04	3.50E-05	1.90E-02	3.17E-06	1.75E-03	2.09E-02
860	UCAF	570910.55	4178679	570910.55, 4178678.99	6.74641	0.00867	28.41355	34.59166	8.19632	8.30672	6.14E-08	2.12E-04	2.12E-05	7.83E-03	3.52E-06	1.98E-03	1.00E-02
861	UCAF	570950.55	4178679	570950.55, 4178678.99	6.99094	0.01213	20.00872	22.29724	8.61276	8.70943	6.37E-08	2.97E-04	1.49E-05	5.05E-03	3.70E-06	2.08E-03	7.44E-03
862	UCAF	570990.55	4178679	570990.55, 4178678.99	7.0357	0.01529	15.44623	16.51334	8.67867	8.78365	6.41E-08	3.74E-04	1.15E-05	3.74E-03	3.72E-06	2.10E-03	6.22E-03
863	UCAF	571030.55	4178679	571030.55, 4178678.99	6.89611	0.01743	12.47809	13.05477	8.4858	8.57412	6.28E-08	4.27E-04	9.29E-06	2.96E-03	3.64E-06	2.05E-03	5.44E-03
864	UCAF	571070.55	4178679	571070.55, 4178678.99	6.63308	0.01812	10.39972	10.7489	8.09946	8.16091	6.04E-08	4.43E-04	7.75E-06	2.43E-03	3.47E-06	1.95E-03	4.84E-03
865	UCAF	571110.55	4178679	571110.55, 4178678.99	6.30165	0.01821	8.86218	9.09974	7.60392	7.6434	5.74E-08	4.46E-04	6.60E-06	2.06E-03	3.26E-06	1.82E-03	4.34E-03
866	UCAF	571150.55	4178679	571150.55, 4178678.99	5.93975	0.01783	7.69592	7.86643	7.07853	7.10511	5.41E-08	4.36E-04	5.73E-06	1.78E-03	3.04E-06	1.70E-03	3.92E-03
867	UCAF	571190.55	4178679	571190.55, 4178678.99	5.56619	0.01737	6.78134	6.90793	6.56632	6.57042	5.07E-08	4.25E-04	5.05E-06	1.56E-03	2.82E-06	1.57E-03	3.56E-03
868	UCAF	571230.55	4178679	571230.55, 4178678.99	5.19381	0.01679	6.03911	6.13603	6.07945	6.05778	4.73E-08	4.11E-04	4.50E-06	1.39E-03	2.61E-06	1.45E-03	3.25E-03
869	UCAF	571270.55	4178679	571270.55, 4178678.99	4.83402	0.01607	5.42139	5.49586	5.62206	5.58642	4.40E-08	3.93E-04	4.04E-06	1.24E-03	2.41E-06	1.33E-03	2.98E-03
870	UCAF	571310.55	4178679	571310.55, 4178678.99	4.4952	0.0154	4.89894	4.95567	5.197	5.15769	4.09E-08	3.77E-04	3.65E-06	1.12E-03	2.23E-06	1.23E-03	2.74E-03
871	UCAF	571350.55	4178679	571350.55, 4178678.99	4.18083	0.01465	4.45302	4.49692	4.80515	4.76541	3.81E-08	3.58E-04	3.32E-06	1.02E-03	2.06E-06	1.14E-03	2.52E-03
872	UCAF	571390.55	4178679	571390.55, 4178678.99	3.89118	0.01382	4.0673	4.10368	4.44535	4.40507	3.54E-08	3.38E-04	3.03E-06	9.29E-04	1.91E-06	1.05E-03	2.32E-03
873	UCAF	571430.55	4178679	571430.55, 4178678.99	3.62695	0.01292	3.73151	3.76315	4.11948	4.0804	3.30E-08	3.16E-04	2.78E-06	8.52E-04	1.77E-06	9.74E-04	2.15E-03
874	UCAF	571470.55	4178679	571470.55, 4178678.99	3.38622	0.012	3.43742	3.46488	3.82381	3.7907	3.08E-08	2.94E-04	2.56E-06	7.84E-04	1.64E-06	9.05E-04	1.99E-03
875	UCAF	571510.55	4178679	571510.55, 4178678.99	3.1656	0.01114	3.17719	3.20084	3.55302	3.52655	2.88E-08	2.73E-04	2.37E-06	7.25E-04	1.52E-06	8.41E-04	1.84E-03
876	UCAF	571550.55	4178679	571550.55, 4178678.99	2.96547	0.01028	2.94628	2.96706	3.30857	3.28475	2.70E-08	2.52E-04	2.19E-06	6.72E-04	1.42E-06	7.84E-04	1.71E-03
877	UCAF	571590.55	4178679	571590.55, 4178678.99	2.78478	0.00947	2.74099	2.75965	3.08905	3.06429	2.54E-08	2.32E-04	2.04E-06	6.25E-04	1.33E-06	7.31E-04	1.59E-03
878	UCAF	571630.55	4178679	571630.55, 4178678.99	2.62047	0.0087	2.55708	2.57404	2.89066	2.86442	2.39E-08	2.13E-04	1.90E-06	5.83E-04	1.24E-06	6.84E-04	1.48E-03
879	UCAF	571670.55	4178679	571670.55, 4178678.99	2.46883	0.00799	2.39076	2.40605	2.70849	2.6825	2.25E-08	1.96E-04	1.78E-06	5.45E-04	1.16E-06	6.40E-04	1.38E-03
880	UCAF	571710.55	4178679	571710.55, 4178678.99	2.32882	0.00735	2.23979	2.25339	2.54165	2.518	2.12E-08	1.80E-04	1.67E-06	5.10E-04	1.09E-06	6.01E-04	1.29E-03
881	UCAF	571750.55	4178679	571750.55, 4178678.99	2.20118	0.00674	2.10358	2.11559	2.39116	2.37118	2.00E-08	1.65E-04	1.57E-06	4.79E-04	1.03E-06	5.66E-04	1.21E-03
882	UCAF	571790.55	4178679	571790.55, 4178678.99	2.08429	0.00619	1.98022	1.99086	2.2546	2.23885	1.90E-08	1.51E-04	1.48E-06	4.51E-04	9.67E-07	5.34E-04	1.14E-03
883	UCAF	571830.55	4178679	571830.55, 4178678.99	1.97477	0.00568	1.86695	1.87645	2.12781	2.11632	1.80E-08	1.39E-04	1.39E-06	4.25E-04	9.13E-07	5.05E-04	1.07E-03
884	UCAF	571870.55	4178679	571870.55, 4178678.99	1.87368	0.00523	1.76366	1.77243	2.01175	2.00423	1.71E-08	1.28E-04	1.31E-06	4.01E-04	8.63E-07	4.78E-04	1.01E-03
885	UCAF	570230.55	4178719	570230.55, 4178718.99	1.07758	0.00038	1.2973	1.29723	1.03825	1.02434	9.81E-09	9.30E-06	9.66E-07	2.94E-04	4.45E-07	2.44E-04	5.49E-04
886	UCAF	570270.55	4178719	570270.55, 4178718.99	1.17335	0.00045	1.42796	1.42839	1.12893	1.11096	1.07E-08	1.10E-05	1.06E-06	3.23E-04	4.84E-07	2.65E-04	6.01E-04
887	UCAF	570310.55	4178719	570310.55, 4178718.99	1.28316	0.00052	1.58141	1.58267	1.23299	1.21127	1.17E-08	1.27E-05	1.18E-06	3.58E-04	5.29E-07	2.89E-04	6.62E-04
888	UCAF	570350.55	4178719	570350.55, 4178718.99	1.40963	0.00061	1.76409	1.76679	1.35311	1.32902	1.28E-08	1.49E-05	1.31E-06	4.00E-04	5.81E-07	3.17E-04	7.34E-04
889	UCAF	570390.55	4178719	570390.55, 4178718.99	1.5556	0.00071	1.98489	1.9905	1.49248	1.46914	1.42E-08	1.74E-05	1.48E-06	4.51E-04	6.40E-07	3.51E-04	8.21E-04
890	UCAF	570430.55	4178719	570430.55, 4178718.99	1.72467	0.00083	2.25845	2.26965	1.65532	1.63787	1.57E-08	2.03E-05	1.68E-06	5.14E-04	7.10E-07	3.91E-04	9.27E-04
891	UCAF	570470.55	4178719	570470.55, 4178718.99	1.9188	0.00097	2.60266	2.62737	1.84509	1.84186	1.75E-08	2.37E-05	1.94E-06	5.95E-04	7.92E-07	4.40E-04	1.06E-03
892	UCAF	570510.55	4178719	570510.55, 4178718.99	2.13982	0.00113	3.04859	3.10336	2.06599	2.08707	1.95E-08	2.77E-05	2.27E-06	7.02E-04	8.86E-07	4.98E-04	1.23E-03
893	UCAF	570550.55	4178719	570550.55, 4178718.99	2.40072	0.00135	3.69015	3.79203	2.33374	2.38337	2.19E-08	3.30E-05	2.75E-06	8.58E-04	1.00E-06	5.69E-04	1.46E-03
894	UCAF	570590.55	4178719	570590.55, 4178718.99	2.69642	0.00164	4.63016	4.80286	2.6498	2.72826	2.46E-08	4.01E-05	3.45E-06	1.09E-03	1.14E-06	6.51E-04	1.78E-03
895	UCAF	570630.55	4178719	570630.55, 4178718.99	3.01609	0.00208	6.01697	6.30153	3.01224	3.11474	2.75E-08	5.09E-05	4.48E-06	1.43E-03	1.29E-06	7.43E-04	2.23E-03
896	UCAF	570670.55	4178719	570670.55, 4178718.99	3.35523	0.00274	8.20337	8.69935	3.42609	3.53575	3.05E-08	6.70E-05	6.11E-06	1.97E-03	1.47E-06	8.44E-04	2.89E-03
897	UCAF	570710.55	4178719	570710.55, 4178718.99	3.69156	0.00342	11.88377	13.03244	3.8782	3.97943	3.36E-08	8.37E-05	8.85E-06	2.95E-03	1.66E-06	9.50E-04	3.99E-03
898	UCAF	570750.55	4178719	570750.55, 4178718.99	4.00301	0.00393	19.19962	23.14544	4.34396	4.42302	3.64E-08	9.62E-05	1.43E-05	5.24E-03	1.86E-06	1.06E-03	6.41E-03
899	UCAF	570790.55	4178719	570790.55, 4178718.99	4.29151	0.00433	33.67974	43.53901	4.79157	4.82523	3.91E-08	1.06E-04	2.51E-05	9.86E-03	2.06E-06	1.15E-03	1.11E-02
900	UCAF	570830.55	4178719	570830.55, 4178718.99	4.60188	0.005	43.26424	81.52303	5.20714	5.15541	4.19E-08	1.22E-04	3.22E-05	1.85E-02	2.23E-06	1.23E-03	1.98E-02
901	UCAF	570870.55	4178719	570870.55, 4178718.99	4.96737	0.00581	25.88926	32.38097	5.67065	5.61074	4.52E-08	1.42E-04	1.93E-05	7.33E-03	2.43E-06	1.34E-03	8.83E-03
902	UCAF	570910.55	4178719	570910.55, 4178718.99	5.29297	0.00703	18.48934	20.86425	6.15743	6.21772	4.82E-08	1.72E-04	1.38E-05	4.72E-03	2.64E-06	1.48E-03	6.39E-03
903	UCAF	570950.55	4178719	570950.55, 4178718.99	5.47265	0.00898	14.30171	15.4303	6.433	6.45713	4.98E-08	2.20E-04	1.07E-05	3.49E-03	2.76E-06	1.54E-03	5.27E-03
904	UCAF	570990.55	4178719	570990.55, 4178718.99	5.50571	0.01112	11.61586	12.22845	6.50147	6.54916	5.01E-08	2.72E-04	8.65E-06	2.77E-03	2.79E-06	1.56E-03	4.61E-03
905	UCAF	571030.55	4178719	571030.55, 4178718.99	5.42813	0.01259	9.77086	10.11937	6.43193	6.47392	4.94E-08	3.08E-04	7.28E-06	2.29E-03	2.76E-06	1.54E-03	4.15E-03
906	UCAF	571070.55	4178719	571070.55, 4178718.99	5.27189	0.0134	8.40341	8.61778	6.23521	6.26705	4.80E-08	3.28E-04	6.26E-06	1.95E-03	2.68E-06	1.50E-03	3.78E-03
907	UCAF	571110.55	4178719	571110.55, 4178718.99	5.06609	0.01349	7.33799	7.48866	5.95263	5.96374	4.61E-08	3.30E-04	5.47E-06	1.70E-03	2.55E-06	1.42E-03	3.46E-03
908	UCAF	571150.55	4178719	571150.55, 4178718.99	4.83299	0.01331	6.495	6.60856	5.63222	5.64017	4.40E-08	3.26E-04	4.84E-06	1.50E-03	2.42E-06	1.35E-03	3.17E-03
909	UCAF	571190.55	4178719	571190.55, 4178718.99	4.58257	0.01309	5.80861	5.89931	5.29933	5.31222	4.17E-08	3.20E-04	4.33E-06	1.34E-03	2.27E-06	1.27E-03	2.93E-03
910	UCAF	571230.55	4178719	571230.55, 4178718.99	4.32486	0.01271	5.23728	5.31095	4.9686	4.96908	3.94E-08	3.11E-04	3.90E-06	1.20E-03	2.13E-06	1.19E-03	2.70E-03
911	UCAF	571270.55	4178719	571270.55, 4178718.99	4.06886	0.01228	4.75445	4.81156	4.64898	4.63139	3.70E-08	3.00E-04	3.54E-06	1.09E-03	1.99E-06	1.11E-03	2.50E-03
912	UCAF	571310.55	4178719	571310.55, 4178718.99	3.81947	0.01192	4.33675	4.38159	4.34386	4.31448	3.48E-08	2.92E-04	3.23E-06	9.92E-04	1.86E-06	1.03E-03	2.32E-03
913	UCAF	571350.55	4178719	571350.55, 4178718.99	3.58184	0.01146	3.97348	4.01008	4.05699	4.02182	3.26E-08	2.80E-04	2.96E-06	9.08E-04	1.74E-06	9.60E-04	2.15E-03
914	UCAF	571390.55	4178719	571390.55, 4178718.99	3.35931	0.01097	3.65562	3.68732	3.7904	3.75172	3.06E-08	2.68E-04	2.72E-06	8.35E-04	1.63E-06	8.95E-04	2.00E-03
915	UCAF	571430.55	4178719	571430.55, 4178718.99	3.15223	0.01043	3.37613	3.40394	3.54262	3.50065	2.87E-08	2.55E-04	2.51E-06	7.71E-04	1.52E-06	8.35E-04	1.87E-03

916	UCAF	571470.55	4178719	571470.55, 4178718.99	2.96097	0.00994	3.12829	3.15268	3.31498	3.27296	2.70E-08	2.43E-04	2.33E-06	7.14E-04	1.42E-06	7.81E-04	1.74E-03
917	UCAF	571510.55	4178719	571510.55, 4178718.99	2.78371	0.00942	2.90674	2.92787	3.10393	3.06644	2.53E-08	2.31E-04	2.17E-06	6.63E-04	1.33E-06	7.32E-04	1.63E-03
918	UCAF	571550.55	4178719	571550.55, 4178718.99	2.62136	0.00883	2.7085	2.72705	2.91105	2.87918	2.39E-08	2.16E-04	2.02E-06	6.17E-04	1.25E-06	6.87E-04	1.52E-03
919	UCAF	571590.55	4178719	571590.55, 4178718.99	2.47329	0.00829	2.53078	2.5474	2.7352	2.70655	2.25E-08	2.03E-04	1.89E-06	5.77E-04	1.17E-06	6.46E-04	1.43E-03
920	UCAF	571630.55	4178719	571630.55, 4178718.99	2.33785	0.00772	2.37056	2.38564	2.57434	2.54604	2.13E-08	1.89E-04	1.77E-06	5.40E-04	1.10E-06	6.08E-04	1.34E-03
921	UCAF	571670.55	4178719	571670.55, 4178718.99	2.21306	0.00719	2.22512	2.2388	2.42627	2.39725	2.02E-08	1.76E-04	1.66E-06	5.07E-04	1.04E-06	5.72E-04	1.26E-03
922	UCAF	571710.55	4178719	571710.55, 4178718.99	2.09854	0.00667	2.09308	2.10543	2.29082	2.26178	1.91E-08	1.63E-04	1.56E-06	4.77E-04	9.83E-07	5.40E-04	1.18E-03
923	UCAF	571750.55	4178719	571750.55, 4178718.99	1.99181	0.0062	1.97201	1.98293	2.16511	2.13765	1.81E-08	1.52E-04	1.47E-06	4.49E-04	9.29E-07	5.10E-04	1.11E-03
924	UCAF	571790.55	4178719	571790.55, 4178718.99	1.89292	0.00574	1.86125	1.8707	2.04935	2.02484	1.72E-08	1.40E-04	1.39E-06	4.23E-04	8.79E-07	4.83E-04	1.05E-03
925	UCAF	571830.55	4178719	571830.55, 4178718.99	1.80176	0.00531	1.76012	1.76829	1.94334	1.92253	1.64E-08	1.30E-04	1.31E-06	4.00E-04	8.34E-07	4.59E-04	9.91E-04
926	UCAF	571870.55	4178719	571870.55, 4178718.99	1.7168	0.00492	1.66716	1.67434	1.84522	1.82836	1.56E-08	1.20E-04	1.24E-06	3.79E-04	7.92E-07	4.36E-04	9.38E-04
927	UCAF	570230.55	4178759	570230.55, 4178758.99	1.05519	0.00039	1.25991	1.26079	1.01749	0.99787	9.61E-09	9.54E-06	9.39E-07	2.85E-04	4.37E-07	2.38E-04	5.34E-04
928	UCAF	570270.55	4178759	570270.55, 4178758.99	1.14699	0.00045	1.38274	1.3846	1.10494	1.08318	1.04E-08	1.10E-05	1.03E-06	3.13E-04	4.74E-07	2.58E-04	5.84E-04
929	UCAF	570310.55	4178759	570310.55, 4178758.99	1.25131	0.00053	1.52619	1.52966	1.20472	1.18302	1.14E-08	1.30E-05	1.14E-06	3.46E-04	5.17E-07	2.82E-04	6.43E-04
930	UCAF	570350.55	4178759	570350.55, 4178758.99	1.36999	0.00061	1.69604	1.70203	1.31902	1.301	1.25E-08	1.49E-05	1.26E-06	3.85E-04	5.66E-07	3.10E-04	7.12E-04
931	UCAF	570390.55	4178759	570390.55, 4178758.99	1.50494	0.0007	1.90061	1.91049	1.45036	1.44111	1.37E-08	1.71E-05	1.42E-06	4.32E-04	6.22E-07	3.44E-04	7.96E-04
932	UCAF	570430.55	4178759	570430.55, 4178758.99	1.65784	0.00081	2.15251	2.16842	1.60148	1.60714	1.51E-08	1.98E-05	1.60E-06	4.91E-04	6.87E-07	3.83E-04	8.96E-04
933	UCAF	570470.55	4178759	570470.55, 4178758.99	1.82654	0.00094	2.46314	2.4921	1.77218	1.80006	1.66E-08	2.30E-05	1.83E-06	5.64E-04	7.60E-07	4.30E-04	1.02E-03
934	UCAF	570510.55	4178759	570510.55, 4178758.99	2.02085	0.0011	2.89356	2.9371	1.97374	2.02403	1.84E-08	2.69E-05	2.16E-06	6.65E-04	8.47E-07	4.83E-04	1.18E-03
935	UCAF	570550.55	4178759	570550.55, 4178758.99	2.23729	0.00134	3.51652	3.58591	2.2063	2.27428	2.04E-08	3.28E-05	2.62E-06	8.12E-04	9.47E-07	5.43E-04	1.39E-03
936	UCAF	570590.55	4178759	570590.55, 4178758.99	2.46571	0.00169	4.46456	4.62139	2.46435	2.54318	2.25E-08	4.14E-05	3.33E-06	1.05E-03	1.06E-06	6.07E-04	1.70E-03
937	UCAF	570630.55	4178759	570630.55, 4178758.99	2.70308	0.00219	6.11248	6.50384	2.74876	2.82684	2.46E-08	5.36E-05	4.55E-06	1.47E-03	1.18E-06	6.75E-04	2.21E-03
938	UCAF	570670.55	4178759	570670.55, 4178758.99	2.9401	0.0028	9.31515	10.25882	3.05296	3.12055	2.68E-08	6.85E-05	6.94E-06	2.32E-03	1.31E-06	7.45E-04	3.14E-03
939	UCAF	570710.55	4178759	570710.55, 4178758.99	3.1625	0.00335	16.33349	19.79974	3.36246	3.41399	2.88E-08	8.20E-05	1.22E-05	4.48E-03	1.44E-06	8.15E-04	5.39E-03
940	UCAF	570750.55	4178759	570750.55, 4178758.99	3.36249	0.00368	24.16685	35.39792	3.65744	3.68626	3.06E-08	9.00E-05	1.80E-05	8.01E-03	1.57E-06	8.80E-04	9.00E-03
941	UCAF	570790.55	4178759	570790.55, 4178758.99	3.55792	0.00402	40.29883	79.07417	3.92619	3.91351	3.24E-08	9.84E-05	3.00E-05	1.79E-02	1.68E-06	9.34E-04	1.90E-02
942	UCAF	570830.55	4178759	570830.55, 4178758.99	3.79066	0.00464	23.73868	30.16568	4.19832	4.12172	3.45E-08	1.14E-04	1.77E-05	6.83E-03	1.80E-06	9.84E-04	7.94E-03
943	UCAF	570870.55	4178759	570870.55, 4178758.99	4.06317	0.00533	16.77778	19.15091	4.52819	4.48915	3.70E-08	1.30E-04	1.25E-05	4.33E-03	1.94E-06	1.07E-03	5.55E-03
944	UCAF	570910.55	4178759	570910.55, 4178758.99	4.29149	0.006	12.98446	14.15933	4.84901	4.88366	3.91E-08	1.47E-04	9.67E-06	3.21E-03	2.08E-06	1.17E-03	4.53E-03
945	UCAF	570950.55	4178759	570950.55, 4178758.99	4.43043	0.00712	10.74087	11.3261	5.04713	5.04071	4.03E-08	1.74E-04	8.00E-06	2.56E-03	2.17E-06	1.20E-03	3.95E-03
946	UCAF	570990.55	4178759	570990.55, 4178758.99	4.4536	0.00845	9.04756	9.42504	5.10919	5.12515	4.06E-08	2.07E-04	6.74E-06	2.13E-03	2.19E-06	1.22E-03	3.57E-03
947	UCAF	571030.55	4178759	571030.55, 4178758.99	4.39733	0.00956	7.79633	8.06342	5.0731	5.09592	4.00E-08	2.34E-04	5.81E-06	1.83E-03	2.18E-06	1.22E-03	3.28E-03
948	UCAF	571070.55	4178759	571070.55, 4178758.99	4.2982	0.01024	6.8632	7.04162	4.96397	4.97634	3.91E-08	2.51E-04	5.11E-06	1.59E-03	2.13E-06	1.19E-03	3.04E-03
949	UCAF	571110.55	4178759	571110.55, 4178758.99	4.16496	0.01051	6.11094	6.23818	4.79255	4.79597	3.79E-08	2.57E-04	4.55E-06	1.41E-03	2.06E-06	1.14E-03	2.82E-03
950	UCAF	571150.55	4178759	571150.55, 4178758.99	4.00842	0.01049	5.49268	5.59048	4.58747	4.58519	3.65E-08	2.57E-04	4.09E-06	1.27E-03	1.97E-06	1.09E-03	2.62E-03
951	UCAF	571190.55	4178759	571190.55, 4178758.99	3.83656	0.01024	4.97735	5.05545	4.3673	4.36814	3.49E-08	2.51E-04	3.71E-06	1.14E-03	1.87E-06	1.04E-03	2.44E-03
952	UCAF	571230.55	4178759	571230.55, 4178758.99	3.65473	0.00997	4.53739	4.60121	4.1394	4.14258	3.33E-08	2.44E-04	3.38E-06	1.04E-03	1.78E-06	9.88E-04	2.28E-03
953	UCAF	571270.55	4178759	571270.55, 4178758.99	3.46958	0.0097	4.15864	4.20863	3.91154	3.90878	3.16E-08	2.37E-04	3.10E-06	9.53E-04	1.68E-06	9.33E-04	2.13E-03
954	UCAF	571310.55	4178759	571310.55, 4178758.99	3.28509	0.00937	3.82765	3.86612	3.68787	3.6755	2.99E-08	2.29E-04	2.85E-06	8.75E-04	1.58E-06	8.77E-04	1.99E-03
955	UCAF	571350.55	4178759	571350.55, 4178758.99	3.10443	0.00906	3.53432	3.56591	3.47268	3.45206	2.83E-08	2.22E-04	2.63E-06	8.07E-04	1.49E-06	8.24E-04	1.86E-03
956	UCAF	571390.55	4178759	571390.55, 4178758.99	2.93118	0.00876	3.27496	3.30188	3.26813	3.2415	2.67E-08	2.14E-04	2.44E-06	7.47E-04	1.40E-06	7.73E-04	1.74E-03
957	UCAF	571430.55	4178759	571430.55, 4178758.99	2.76634	0.00844	3.04325	3.06661	3.07462	3.04253	2.52E-08	2.07E-04	2.27E-06	6.94E-04	1.32E-06	7.26E-04	1.63E-03
958	UCAF	571470.55	4178759	571470.55, 4178758.99	2.61281	0.00809	2.83628	2.85664	2.89629	2.8592	2.38E-08	1.98E-04	2.11E-06	6.47E-04	1.24E-06	6.82E-04	1.53E-03
959	UCAF	571510.55	4178759	571510.55, 4178758.99	2.46918	0.00773	2.64978	2.66716	2.72989	2.69121	2.25E-08	1.89E-04	1.97E-06	6.04E-04	1.17E-06	6.42E-04	1.44E-03
960	UCAF	571550.55	4178759	571550.55, 4178758.99	2.33541	0.00734	2.48097	2.49587	2.57516	2.5389	2.13E-08	1.80E-04	1.85E-06	5.65E-04	1.10E-06	6.06E-04	1.35E-03
961	UCAF	571590.55	4178759	571590.55, 4178758.99	2.21216	0.00695	2.32836	2.34141	2.4327	2.40034	2.01E-08	1.70E-04	1.73E-06	5.30E-04	1.04E-06	5.73E-04	1.28E-03
962	UCAF	571630.55	4178759	571630.55, 4178758.99	2.09885	0.00655	2.18997	2.2016	2.30148	2.27176	1.91E-08	1.60E-04	1.63E-06	4.98E-04	9.87E-07	5.42E-04	1.20E-03
963	UCAF	571670.55	4178759	571670.55, 4178758.99	1.99281	0.00621	2.06284	2.07322	2.17837	2.14927	1.81E-08	1.52E-04	1.54E-06	4.69E-04	9.35E-07	5.13E-04	1.14E-03
964	UCAF	571710.55	4178759	571710.55, 4178758.99	1.89644	0.00587	1.94755	1.95688	2.0663	2.0366	1.73E-08	1.44E-04	1.45E-06	4.43E-04	8.87E-07	4.86E-04	1.07E-03
965	UCAF	571750.55	4178759	571750.55, 4178758.99	1.80679	0.0055	1.84148	1.84971	1.96199	1.93194	1.65E-08	1.35E-04	1.37E-06	4.19E-04	8.42E-07	4.61E-04	1.02E-03
966	UCAF	571790.55	4178759	571790.55, 4178758.99	1.723	0.00517	1.74353	1.75056	1.86464	1.83537	1.57E-08	1.27E-04	1.30E-06	3.96E-04	8.00E-07	4.38E-04	9.63E-04
967	UCAF	571830.55	4178759	571830.55, 4178758.99	1.64493	0.00483	1.65315	1.65897	1.77419	1.74697	1.50E-08	1.18E-04	1.23E-06	3.76E-04	7.61E-07	4.17E-04	9.13E-04
968	UCAF	571870.55	4178759	571870.55, 4178758.99	1.57252	0.00451	1.56996	1.57472	1.69062	1.66638	1.43E-08	1.10E-04	1.17E-06	3.56E-04	7.25E-07	3.98E-04	8.66E-04
969	UCAF	570230.55	4178799	570230.55, 4178798.99	1.03233	0.0004	1.22107	1.22259	0.99685	0.97705	9.40E-09	9.79E-06	9.10E-07	2.77E-04	4.28E-07	2.33E-04	5.21E-04
970	UCAF	570270.55	4178799	570270.55, 4178798.99	1.11927	0.00045	1.33596	1.33896	1.0806	1.06319	1.02E-08	1.10E-05	9.95E-07	3.03E-04	4.64E-07	2.54E-04	5.69E-04
971	UCAF	570310.55	4178799	570310.55, 4178798.99	1.21684	0.00052	1.46951	1.47481	1.17537	1.16395	1.11E-08	1.27E-05	1.09E-06	3.34E-04	5.04E-07	2.78E-04	6.26E-04
972	UCAF	570350.55	4178799	570350.55, 4178798.99	1.32608	0.00059	1.62681	1.63557	1.28272	1.2816	1.21E-08	1.44E-05	1.21E-06	3.70E-04	5.50E-07	3.06E-04	6.92E-04
973	UCAF	570390.55	4178799	570390.55, 4178798.99	1.44769	0.00068	1.81492	1.82898	1.40415	1.41762	1.32E-08	1.66E-05	1.35E-06	4.14E-04	6.02E-07	3.38E-04	7.71E-04
974	UCAF	570430.55	4178799	570430.55, 4178798.99	1.57984	0.00078	2.03969	2.06365	1.53913	1.571	1.44E-08	1.91E-05	1.52E-06	4.67E-04	6.60E-07	3.75E-04	8.63E-04
975	UCAF	570470.55	4178799	570470.55, 4178798.99	1.72792	0.00091	2.33267	2.36765	1.69403	1.74243	1.57E-08	2.23E-05	1.74E-06	5.36E-04	7.27E-07	4.16E-04	9.76E-04
976	UCAF	570510.55	4178799	570510.55, 4178798.99	1.89125	0.00109	2.73259	2.77923	1.87005	1.9283	1.72E-08	2.67E-05	2.04E-06	6.29E-04	8.02E-07	4.60E-04	1.12E-03
977	UCAF	570550.55	4178799	570550.55, 4178798.99	2.0609	0.00136	3.29016	3.36197	2.06079	2.12212	1.88E-08	3.33E-05	2.45E-06	7.61E-04	8.84E-07	5.06E-04	1.30E-03
978	UCAF	570590.55	4178799	570590.55, 4178798.99	2.23457	0.00174	4.16722	4.30475	2.26566	2.32265	2.03E-08	4.26E-05	3.10E-06	9.74E-04	9.72E-07	5.54E-04	1.58E-03
979	UCAF	570630.55	4178799	570630.55, 4178798.99	2.40757	0.00224	5.85783	6.25044	2.48074	2.52851	2.19E-08	5.48E-05	4.36E-06	1.41E-03	1.06E-06	6.03E-04	2.08E-03
980	UCAF	570670.55	4178799	570670.55, 4178798.99	2.57145	0.00274	10.5728	12.86055	2.69766	2.73464	2.34E-08	6.70E-05	7.88E-06	2.91E-03	1.16E-06	6.53E-04	3.64E-03
981	UCAF	570710.55	4178799	570710.55, 4178798.99	2.72015	0.00309	16.21317	24.98223	2.90563	2.92906	2.48E-08	7.56E-05	1.21E-05	5.65E-03	1.25E-06	6.99E-04	6.44E-03
982	UCAF	570750.55	4178799	570750.55, 4178798.99	2.85771	0.00334	35.15749	74.11714	3.09562	3.09755	2.60E-08	8.17E-05	2.62E-05	1.68E-02	1.33E-06	7.39E-04	1.76E-02
983	UCAF	570790.55	4178799	570790.55, 4178798.99	3.00542	0.00367	20.49574	26.77922	3.27373	3.23528	2.74E-08	8.98E-05	1.53E-05	6.06E-03	1.40E-06	7.72E-04	6.94E-03
984	UCAF	570830.55	4178799	570830.55, 4178798.99	3.1916	0.00423	14.59392	16.9292	3.47582	3.39953	2.91E-08	1.04E-04	1.09E-05	3.83E-03	1.49E-06	8.11E-04	4.76E-03
985	UCAF	570870.55	4178799	570870.55, 4178798.99	3.40277	0.00484	11.47611	12.61379	3.7262	3.70228	3.10E-08	1.18E-04	8.55E-06	2.86E-03	1.60E-06	8.83E-04	3.87E-03
986	UCAF	570910.55	4178799	570910.55, 4178798.99	3.57551	0.00531	9.52099	10.157	3.95694	3.96988	3.26E-08	1.30E-04	7.09E-06	2.30E-03	1.70E-06	9.47E-04	3.39E-03
987	UCAF	570950.55	4178799	570950.55, 4178798.99	3.62853	0.00583	7.97965	8.35268	4.03658	4.02603	3.30E-08	1.43E-04	5.94E-06	1.89E-03	1.73E-06	9.61E-04	3.00E-03
988	UCAF	570990.55	4178799	570990.55, 4178798.99	3.66908	0.00665	7.06848	7.3287	4.11523	4.12132	3.34E-08	1.63E-04	5.27E-06	1.66E-03	1.77E-06	9.83E-04	2.81E-03
989	UCAF	571030.55	4178799	571030.55, 4178798.99	3.64782	0.00749	6.29302	6.49045	4.12657	4.13695	3.32E-08	1.83E-04	4.69E-06	1.47E-03	1.77E-06	9.87E-04	2.65E-03
990	UCAF	571070.55	4178799	571070.55, 4178798.99	3.57722	0.00807	5.63735	5.78968	4.05609	4.05883	3.26E-08	1.97E-04	4.20E-06	1.31E-03	1.74E-06	9.69E-04	2.48E-03
991	UCAF	571110.55	4178799	571110.55, 4178798.99	3.48819	0.00838	5.10761	5.21911	3.94763	3.94346	3.18E-08	2.05E-04	3.80E-06	1.18E-03	1.69E-06	9.41E-04	2.33E-03
992	UCAF	571150.55	4178799	571150.55, 4178798.99	3.38115	0.00841	4.65781	4.74096	3.81202	3.8084	3.08E-08	2.06E-04	3.47E-06	1.07E-03	1.64E-06	9.09E-04	2.19E-03
993	UCAF	571190.55	4178799	571190.55, 4178798.99	3.25862	0.00835	4.2662	4.33295	3.66038	3.65684	2.97E-08	2.04E-04	3.18E-06	9.81E-04	1.57E-06	8.73E-04	2.06E-03
994	UCAF	571230.55	4178799	571230.55, 4178798.99	3.12747	0.00814	3.9283	3.98024	3.5006	3.49624	2.85E-08	1.99E-04	2.93E-06	9.01E-04	1.50E-06	8.34E-04	1.94E-03
995	UCAF	571270.55	4178799	571270.55, 4178798.99	2.9917	0.00791	3.63312	3.67118	3.33676	3.33293	2.72E-08	1.94E-04	2.71E-06	8.31E-04	1.43E-06	7.95E-04	1.82E-03
996	UCAF	571310.55	4178799	571310.55, 4178798.99	2.85352	0.00761	3.37049	3.39833	3.17137	3.16684	2.60E-08	1.86E-04	2.51E-06	7.69E-04	1.36E-06	7.56E-04	1.72E-03
997	UCAF	571350.55	4178799	571350.55, 4178798.99	2.7156	0.00738	3.13616	3.15719	3.00796	2.99937	2.47E-08	1.81E-04	2.34E-06	7.15E-04	1.29E-06	7.16E-04	1.61E-03
998	UCAF	571390.55	4178799	571390.55, 4178798.99	2.57918	0.00711	2.92484	2.94157	2.84709	2.83345	2.35E-08	1.74E-04	2.18E-06	6.66E-04	1.22E-06	6.76E-04	1.52E-03
999	UCAF	571430.55	4178799	571430.55, 4178798.99	2.44866	0.00682	2.73485	2.74912	2.69597	2.67679	2.23E-08	1.67E-04	2.04E-06	6.22E-04	1.16E-06	6.39E-04	1.43E-03
1000	UCAF	571470.55	4178799	571470.55, 4178798.99	2.32467	0.00659	2.56341	2.57542	2.55365	2.52837	2.12E-08	1.61E-04	1.91E-06	5.83E-04	1.10E-06	6.03E-04	1.35E-03
1001	UCAF	571510.55	4178799	571510.55, 4178798.99	2.20846	0.00635	2.40834	2.41827	2.4215	2.39078	2.01E-08	1.55E-04	1.79E-06	5.47E-04	1.04E-06	5.70E-04	1.28E-03
1002	UCAF	571550.55	4178799	571550.55, 4178798.99	2.09583	0.0061	2.26483	2.27268	2.29293	2.25998	1.91E-08	1.49E-04	1.69E-06	5.14E-04	9.84E-07	5.39E-04	1.21E-03
1003	UCAF	571590.55	4178799	571590.55, 4178798.99	1.99188	0.00582	2.13461	2.14109	2.17524	2.14316	1.81E-08	1.42E-04	1.59E-06	4.85E-04	9.33E-07	5.11E-04	1.14E-03
1004	UCAF	571630.55	4178799	571630.55, 4178798.99	1.89658	0.00556	2.01642	2.02202	2.06743	2.03762	1.73E-08	1.36E-04	1.50E-06	4.58E-04	8.87E-07	4.86E-04	1.08E-03
1005	UCAF	571670.55	4178799	571670.55, 4178798.99	1.80625	0.0053	1.90676	1.91164	1.96499	1.93694	1.64E-08	1.30E-04	1.42E-06	4.33E-04	8.43E-07	4.62E-04	1.03E-03
1006	UCAF	571710.55	4178799	571710.55, 4178798.99	1.72295	0.00502	1.80621	1.81054	1.87027	1.84249	1.57E-08	1.23E-04	1.35E-06	4.10E-04	8.02E-07	4.40E-04	9.74E-04
1007	UCAF	571750.55	4178799	571750.55, 4178798.99	1.64619	0.00476	1.71384	1.71766	1.78272	1.75418	1.50E-08	1.16E-04	1.28E-06	3.89E-04	7.65E-07	4.19E-04	9.26E-04
1008	UCAF	571790.55	4178799	571790.55, 4178798.99	1.5736	0.0045	1.6276	1.63074	1.69971	1.67044	1.43E-08	1.10E-04	1.21E-06	3.69E-04	7.29E-07	3.99E-04	8.80E-04
1009	UCAF	571830.55	4178799	571830.55, 4178798.99	1.50628	0.00427	1.54786	1.55025	1.62265	1.59339	1.37E-08	1.04E-04	1.15E-06	3.51E-04	6.96E-07	3.80E-04	8.37E-04
1010	UCAF	571870.55	4178799	571870.55, 4178798.99	1.44365	0.00403	1.47398	1.4756	1.55096	1.5228	1.31E-08	9.86E-05	1.10E-06	3.34E-04	6.65E-07	3.63E-04	7.98E-04
1011	UCAF	570230.55	4178839	570230.55, 4178838.99	1.00794	0.00039	1.18079	1.18326	0.97566	0.96347	9.18E-09	9.54E-06	8.80E-07	2.68E-04	4.19E-07	2.30E-04	5.09E-04
1012	UCAF	570270.55	4178839	570270.55, 4178838.99	1.08901	0.00044	1.28779	1.29227	1.05505	1.05023	9.92E-09	1.08E-05	9.59E-07	2.93E-04	4.53E-07	2.51E-04	5.55E-04
1013	UCAF	570310.55	4178839	570310.55, 4178838.99	1.17866	0.0005	1.4117	1.41902	1.1439	1.14962	1.07E-08	1.22E-05	1.05E-06	3.21E-04	4.91E-07	2.74E-04	6.09E-04
1014	UCAF	570350.55	4178839	570350.55, 4178838.99	1.27684	0.00057	1.5562	1.56785	1.2428	1.26162	1.16E-08	1.39E-05	1.16E-06	3.55E-04	5.33E-07	3.01E-04	6.72E-04
1015	UCAF	570390.55	4178839	570390.55, 4178838.99	1.38222	0.00065	1.72466	1.7437	1.35126	1.38445	1.26E-08	1.59E-05	1.28E-06	3.95E-04	5.80E-07	3.30E-04	7.43E-04
1016	UCAF	570430.55	4178839	570430.55, 4178838.99	1.49803	0.00075	1.9348	1.96203	1.4731	1.51752	1.36E-08	1.84E-05	1.44E-06	4.44E-04	6.32E-07	3.62E-04	8.27E-04
1017	UCAF	570470.55	4178839	570470.55, 4178838.99	1.62377	0.0009	2.2059	2.24153	1.60888	1.6581	1.48E-08	2.20E-05	1.64E-06	5.07E-04	6.90E-07	3.96E-04	9.27E-04
1018	UCAF	570510.55	4178839	570510.55, 4178838.99	1.75305	0.00109	2.55566	2.60631	1.75363	1.80202	1.60E-08	2.67E-05	1.90E-06	5.90E-04	7.52E-07	4.30E-04	1.05E-03
1019	UCAF	570550.55	4178839	570550.55, 4178838.99	1.88431	0.00139	3.04116	3.12146	1.90647	1.94934	1.72E-08	3.40E-05	2.27E-06	7.07E-04	8.18E-07	4.65E-04	1.21E-03
1020	UCAF	570590.55	4178839	570590.55, 4178838.99	2.01469	0.00178	3.791	3.94416	2.06493	2.10015	1.83E-08	4.36E-05	2.82E-06	8.93E-04	8.86E-07	5.01E-04	1.44E-03
1021	UCAF	570630.55	4178839	570630.55, 4178838.99	2.13968	0.0022	5.16168	5.57501	2.22396	2.2515	1.95E-08	5.38E-05	3.84E-06	1.26E-03	9.54E-07	5.37E-04	1.86E-03
1022	UCAF	570670.55	4178839	570670.55, 4178838.99	2.25412	0.00256	8.56463	10.91006	2.37695	2.39596	2.05E-08	6.26E-05	6.38E-06	2.47E-03	1.02E-06	5.72E-04	3.11E-03
1023	UCAF	570710.55	4178839	570710.55, 4178838.99	2.35794	0.0028	15.1322	33.09849	2.51807	2.52456	2.15E-08	6.85E-05	1.13E-05	7.49E-03	1.08E-06	6.02E-04	8.18E-03
1024	UCAF	570750.55	4178839	570750.55, 4178838.99	2.46025	0.003	13.32841	17.80921	2.64676	2.63165	2.24E-08	7.34E-05	9.93E-06	4.03E-03	1.14E-06	6.28E-04	4.74E-03
1025	UCAF	570790.55	4178839	570790.55, 4178838.99	2.58183	0.00334	10.91834	12.76077	2.77842	2.72598	2.35E-08	8.17E-05	8.13E-06	2.89E-03	1.19E-06	6.50E-04	3.63E-03
1026	UCAF	570830.55	4178839	570830.55, 4178838.99	2.73589	0.00385	9.14666	10.09079	2.94084	2.87447	2.49E-08	9.42E-05	6.81E-06	2.28E-03	1.26E-06	6.86E-04	3.07E-03
1027	UCAF	570870.55	4178839	570870.55, 4178838.99	2.90025	0.00436	7.87558	8.43203	3.13355	3.12107	2.64E-08	1.07E-04	5.87E-06	1.91E-03	1.34E-06	7.45E-04	2.77E-03
1028	UCAF	570910.55	4178839	570910.55, 4178838.99	3.02844	0.00468	6.92961	7.28304	3.30151	3.30944	2.76E-08	1.15E-04	5.16E-06	1.65E-03	1.42E-06	7.90E-04	2.56E-03
1029	UCAF	570950.55	4178839	570950.55, 4178838.99	3.09459	0.00495	6.187	6.42112	3.39816	3.3887	2.82E-08	1.21E-04	4.61E-06	1.45E-03	1.46E-06	8.09E-04	2.39E-03
1030	UCAF	570990.55	4178839	570990.55, 4178838.99	3.09459	0.00538	5.55198	5.71341	3.42033	3.42229	2.82E-08	1.32E-04	4.14E-06	1.29E-03	1.47E-06	8.17E-04	2.25E-03
1031	UCAF	571030.55	4178839	571030.55, 4178838.99	3.07953	0.00599	5.075	5.19337	3.42857	3.43343	2.80E-08	1.47E-04	3.78E-06	1.18E-03	1.47E-06	8.19E-04	2.15E-03

1032	UCAF	571070.55	4178839	571070.55, 4178838.99	3.03053	0.00649	4.63744	4.73393	3.38665	3.38341	2.76E-08	1.59E-04	3.45E-06	1.07E-03	1.45E-06	8.07E-04	2.04E-03
1033	UCAF	571110.55	4178839	571110.55, 4178838.99	2.96711	0.00679	4.26794	4.34398	3.3129	3.30383	2.70E-08	1.66E-04	3.18E-06	9.83E-04	1.42E-06	7.88E-04	1.94E-03
1034	UCAF	571150.55	4178839	571150.55, 4178838.99	2.89129	0.00693	3.94575	4.00535	3.2199	3.2143	2.63E-08	1.70E-04	2.94E-06	9.07E-04	1.38E-06	7.67E-04	1.85E-03
1035	UCAF	571190.55	4178839	571190.55, 4178838.99	2.8033	0.00688	3.65763	3.705	3.11365	3.11149	2.55E-08	1.68E-04	2.72E-06	8.39E-04	1.34E-06	7.42E-04	1.75E-03
1036	UCAF	571230.55	4178839	571230.55, 4178838.99	2.70687	0.00679	3.40142	3.43677	2.99895	2.99298	2.46E-08	1.66E-04	2.53E-06	7.78E-04	1.29E-06	7.14E-04	1.66E-03
1037	UCAF	571270.55	4178839	571270.55, 4178838.99	2.60515	0.0066	3.17242	3.19649	2.87872	2.86979	2.37E-08	1.62E-04	2.36E-06	7.24E-04	1.24E-06	6.85E-04	1.57E-03
1038	UCAF	571310.55	4178839	571310.55, 4178838.99	2.5001	0.00636	2.96526	2.9812	2.75524	2.74794	2.28E-08	1.56E-04	2.21E-06	6.75E-04	1.18E-06	6.56E-04	1.49E-03
1039	UCAF	571350.55	4178839	571350.55, 4178838.99	2.39386	0.00615	2.7789	2.78886	2.63055	2.62489	2.18E-08	1.50E-04	2.07E-06	6.31E-04	1.13E-06	6.26E-04	1.41E-03
1040	UCAF	571390.55	4178839	571390.55, 4178838.99	2.28716	0.00591	2.6084	2.61502	2.50586	2.4997	2.08E-08	1.45E-04	1.94E-06	5.92E-04	1.08E-06	5.96E-04	1.34E-03
1041	UCAF	571430.55	4178839	571430.55, 4178838.99	2.18306	0.00566	2.4534	2.4582	2.38582	2.37668	1.99E-08	1.38E-04	1.83E-06	5.56E-04	1.02E-06	5.67E-04	1.26E-03
1042	UCAF	571470.55	4178839	571470.55, 4178838.99	2.08278	0.00547	2.31229	2.31558	2.27126	2.25741	1.90E-08	1.34E-04	1.72E-06	5.24E-04	9.74E-07	5.39E-04	1.20E-03
1043	UCAF	571510.55	4178839	571510.55, 4178838.99	1.98718	0.00526	2.18333	2.18523	2.16311	2.14343	1.81E-08	1.29E-04	1.63E-06	4.95E-04	9.28E-07	5.11E-04	1.14E-03
1044	UCAF	571550.55	4178839	571550.55, 4178838.99	1.89522	0.00507	2.06423	2.06489	2.05926	2.03463	1.73E-08	1.24E-04	1.54E-06	4.67E-04	8.84E-07	4.85E-04	1.08E-03
1045	UCAF	571590.55	4178839	571590.55, 4178838.99	1.80631	0.00487	1.95321	1.95289	1.95912	1.93207	1.64E-08	1.19E-04	1.45E-06	4.42E-04	8.41E-07	4.61E-04	1.02E-03
1046	UCAF	571630.55	4178839	571630.55, 4178838.99	1.72466	0.00468	1.85219	1.85148	1.86805	1.84097	1.57E-08	1.15E-04	1.38E-06	4.19E-04	8.01E-07	4.39E-04	9.75E-04
1047	UCAF	571670.55	4178839	571670.55, 4178838.99	1.64737	0.00448	1.75835	1.75746	1.78194	1.75609	1.50E-08	1.10E-04	1.31E-06	3.98E-04	7.65E-07	4.19E-04	9.29E-04
1048	UCAF	571710.55	4178839	571710.55, 4178838.99	1.57539	0.0043	1.67166	1.67077	1.70171	1.67675	1.43E-08	1.05E-04	1.25E-06	3.78E-04	7.30E-07	4.00E-04	8.86E-04
1049	UCAF	571750.55	4178839	571750.55, 4178838.99	1.50781	0.00411	1.59099	1.59011	1.62619	1.60111	1.37E-08	1.01E-04	1.19E-06	3.60E-04	6.98E-07	3.82E-04	8.44E-04
1050	UCAF	571790.55	4178839	571790.55, 4178838.99	1.44388	0.00392	1.51538	1.51438	1.55448	1.52845	1.31E-08	9.59E-05	1.13E-06	3.43E-04	6.67E-07	3.65E-04	8.05E-04
1051	UCAF	571830.55	4178839	571830.55, 4178838.99	1.38475	0.00374	1.44532	1.44411	1.48796	1.46079	1.26E-08	9.15E-05	1.08E-06	3.27E-04	6.38E-07	3.49E-04	7.69E-04
1052	UCAF	571870.55	4178839	571870.55, 4178838.99	1.33	0.00355	1.38033	1.3788	1.42622	1.39838	1.21E-08	8.69E-05	1.03E-06	3.12E-04	6.12E-07	3.34E-04	7.34E-04
1053	UCAF	570230.55	4178879	570230.55, 4178878.99	0.98103	0.00038	1.13944	1.1434	0.95305	0.95418	8.93E-09	9.30E-06	8.49E-07	2.59E-04	4.09E-07	2.28E-04	4.97E-04
1054	UCAF	570270.55	4178879	570270.55, 4178878.99	1.05532	0.00043	1.23871	1.24512	1.02726	1.03833	9.61E-09	1.05E-05	9.23E-07	2.82E-04	4.41E-07	2.48E-04	5.41E-04
1055	UCAF	570310.55	4178879	570310.55, 4178878.99	1.13565	0.00048	1.35228	1.36222	1.10877	1.13086	1.03E-08	1.17E-05	1.01E-06	3.08E-04	4.76E-07	2.70E-04	5.91E-04
1056	UCAF	570350.55	4178879	570350.55, 4178878.99	1.22036	0.00055	1.48083	1.4967	1.19655	1.22951	1.11E-08	1.35E-05	1.10E-06	3.39E-04	5.13E-07	2.93E-04	6.47E-04
1057	UCAF	570390.55	4178879	570390.55, 4178878.99	1.31306	0.00063	1.63799	1.65962	1.29443	1.3343	1.20E-08	1.54E-05	1.22E-06	3.76E-04	5.55E-07	3.18E-04	7.11E-04
1058	UCAF	570430.55	4178879	570430.55, 4178878.99	1.41241	0.00074	1.8323	1.85944	1.40176	1.44286	1.29E-08	1.81E-05	1.36E-06	4.21E-04	6.01E-07	3.44E-04	7.85E-04
1059	UCAF	570470.55	4178879	570470.55, 4178878.99	1.51371	0.0009	2.06982	2.10564	1.51462	1.55259	1.38E-08	2.20E-05	1.54E-06	4.77E-04	6.50E-07	3.70E-04	8.71E-04
1060	UCAF	570510.55	4178879	570510.55, 4178878.99	1.61568	0.00112	2.37263	2.42413	1.63202	1.66427	1.47E-08	2.74E-05	1.77E-06	5.49E-04	7.00E-07	3.97E-04	9.76E-04
1061	UCAF	570550.55	4178879	570550.55, 4178878.99	1.71616	0.00141	2.77764	2.86462	1.75196	1.77844	1.56E-08	3.45E-05	2.07E-06	6.48E-04	7.52E-07	4.24E-04	1.11E-03
1062	UCAF	570590.55	4178879	570590.55, 4178878.99	1.81341	0.00176	3.36156	3.5313	1.87233	1.89347	1.65E-08	4.31E-05	2.50E-06	7.99E-04	8.03E-07	4.52E-04	1.30E-03
1063	UCAF	570630.55	4178879	570630.55, 4178878.99	1.90406	0.00209	4.23836	4.59391	1.98884	2.00426	1.73E-08	5.11E-05	3.16E-06	1.04E-03	8.53E-07	4.78E-04	1.57E-03
1064	UCAF	570670.55	4178879	570670.55, 4178878.99	1.98591	0.00234	5.38793	5.98802	2.09721	2.10466	1.81E-08	5.73E-05	4.01E-06	1.36E-03	9.00E-07	5.02E-04	1.92E-03
1065	UCAF	570710.55	4178879	570710.55, 4178878.99	2.06182	0.00251	6.34622	7.28062	2.19511	2.19066	1.88E-08	6.14E-05	4.73E-06	1.65E-03	9.42E-07	5.23E-04	2.24E-03
1066	UCAF	570750.55	4178879	570750.55, 4178878.99	2.14438	0.0027	6.59597	7.40457	2.28911	2.26235	1.95E-08	6.61E-05	4.91E-06	1.68E-03	9.82E-07	5.40E-04	2.29E-03
1067	UCAF	570790.55	4178879	570790.55, 4178878.99	2.24831	0.00301	6.34378	6.89662	2.3948	2.33803	2.05E-08	7.37E-05	4.73E-06	1.56E-03	1.03E-06	5.58E-04	2.20E-03
1068	UCAF	570830.55	4178879	570830.55, 4178878.99	2.37646	0.00345	5.926	6.28914	2.5288	2.47754	2.16E-08	8.44E-05	4.41E-06	1.42E-03	1.08E-06	5.91E-04	2.10E-03
1069	UCAF	570870.55	4178879	570870.55, 4178878.99	2.50656	0.00388	5.50019	5.74989	2.68057	2.67641	2.28E-08	9.49E-05	4.10E-06	1.30E-03	1.15E-06	6.39E-04	2.04E-03
1070	UCAF	570910.55	4178879	570910.55, 4178878.99	2.60448	0.00414	5.1068	5.27931	2.80752	2.81363	2.37E-08	1.01E-04	3.80E-06	1.20E-03	1.20E-06	6.71E-04	1.97E-03
1071	UCAF	570950.55	4178879	570950.55, 4178878.99	2.65295	0.00426	4.73672	4.86206	2.88203	2.87497	2.42E-08	1.04E-04	3.53E-06	1.10E-03	1.24E-06	6.86E-04	1.90E-03
1072	UCAF	570990.55	4178879	570990.55, 4178878.99	2.66084	0.00447	4.40421	4.49604	2.9122	2.91168	2.42E-08	1.09E-04	3.28E-06	1.02E-03	1.25E-06	6.95E-04	1.83E-03
1073	UCAF	571030.55	4178879	571030.55, 4178878.99	2.64109	0.00485	4.10106	4.17133	2.90839	2.91024	2.40E-08	1.19E-04	3.05E-06	9.44E-04	1.25E-06	6.94E-04	1.76E-03
1074	UCAF	571070.55	4178879	571070.55, 4178878.99	2.60294	0.00525	3.81736	3.87746	2.87486	2.87048	2.37E-08	1.28E-04	2.84E-06	8.78E-04	1.23E-06	6.85E-04	1.70E-03
1075	UCAF	571110.55	4178879	571110.55, 4178878.99	2.55833	0.00559	3.57414	3.61845	2.82485	2.8134	2.33E-08	1.37E-04	2.66E-06	8.19E-04	1.21E-06	6.71E-04	1.63E-03
1076	UCAF	571150.55	4178879	571150.55, 4178878.99	2.50315	0.00574	3.34866	3.38475	2.75897	2.74998	2.28E-08	1.40E-04	2.49E-06	7.66E-04	1.18E-06	6.56E-04	1.57E-03
1077	UCAF	571190.55	4178879	571190.55, 4178878.99	2.43828	0.00577	3.13948	3.17016	2.68247	2.67973	2.22E-08	1.41E-04	2.34E-06	7.18E-04	1.15E-06	6.39E-04	1.50E-03
1078	UCAF	571230.55	4178879	571230.55, 4178878.99	2.36624	0.00566	2.94849	2.97154	2.59828	2.59489	2.15E-08	1.38E-04	2.20E-06	6.73E-04	1.11E-06	6.19E-04	1.43E-03
1079	UCAF	571270.55	4178879	571270.55, 4178878.99	2.28876	0.0056	2.77275	2.78797	2.50837	2.4997	2.08E-08	1.37E-04	2.07E-06	6.31E-04	1.08E-06	5.96E-04	1.37E-03
1080	UCAF	571310.55	4178879	571310.55, 4178878.99	2.20779	0.00543	2.61111	2.61993	2.4148	2.40391	2.01E-08	1.33E-04	1.95E-06	5.93E-04	1.04E-06	5.74E-04	1.30E-03
1081	UCAF	571350.55	4178879	571350.55, 4178878.99	2.12481	0.00525	2.46299	2.46718	2.31896	2.30997	1.93E-08	1.28E-04	1.83E-06	5.58E-04	9.95E-07	5.51E-04	1.24E-03
1082	UCAF	571390.55	4178879	571390.55, 4178878.99	2.04098	0.00504	2.32635	2.32773	2.22232	2.21627	1.86E-08	1.23E-04	1.73E-06	5.27E-04	9.53E-07	5.29E-04	1.18E-03
1083	UCAF	571430.55	4178879	571430.55, 4178878.99	1.95751	0.00484	2.20035	2.20003	2.12662	2.12168	1.78E-08	1.18E-04	1.64E-06	4.98E-04	9.12E-07	5.06E-04	1.13E-03
1084	UCAF	571470.55	4178879	571470.55, 4178878.99	1.87563	0.00464	2.08417	2.08246	2.03332	2.02697	1.71E-08	1.14E-04	1.55E-06	4.71E-04	8.72E-07	4.84E-04	1.07E-03
1085	UCAF	571510.55	4178879	571510.55, 4178878.99	1.79641	0.00444	1.97699	1.97396	1.94361	1.9335	1.64E-08	1.09E-04	1.47E-06	4.47E-04	8.34E-07	4.61E-04	1.02E-03
1086	UCAF	571550.55	4178879	571550.55, 4178878.99	1.72095	0.00429	1.8782	1.87425	1.859	1.8438	1.57E-08	1.05E-04	1.40E-06	4.24E-04	7.98E-07	4.40E-04	9.71E-04
1087	UCAF	571590.55	4178879	571590.55, 4178878.99	1.64694	0.00412	1.78536	1.78068	1.7759	1.75638	1.50E-08	1.01E-04	1.33E-06	4.03E-04	7.62E-07	4.19E-04	9.25E-04
1088	UCAF	571630.55	4178879	571630.55, 4178878.99	1.57657	0.00395	1.69905	1.69406	1.69762	1.67574	1.44E-08	9.67E-05	1.27E-06	3.83E-04	7.28E-07	4.00E-04	8.82E-04
1089	UCAF	571670.55	4178879	571670.55, 4178878.99	1.51038	0.00381	1.61911	1.61415	1.62452	1.60224	1.38E-08	9.32E-05	1.21E-06	3.65E-04	6.97E-07	3.82E-04	8.43E-04
1090	UCAF	571710.55	4178879	571710.55, 4178878.99	1.44747	0.00366	1.54433	1.53958	1.55525	1.53358	1.32E-08	8.96E-05	1.15E-06	3.48E-04	6.67E-07	3.66E-04	8.06E-04
1091	UCAF	571750.55	4178879	571750.55, 4178878.99	1.38796	0.00353	1.47434	1.46987	1.48975	1.4685	1.26E-08	8.64E-05	1.10E-06	3.33E-04	6.39E-07	3.50E-04	7.71E-04
1092	UCAF	571790.55	4178879	571790.55, 4178878.99	1.33182	0.00338	1.40874	1.40453	1.42788	1.40621	1.21E-08	8.27E-05	1.05E-06	3.18E-04	6.13E-07	3.36E-04	7.38E-04
1093	UCAF	571830.55	4178879	571830.55, 4178878.99	1.27909	0.00325	1.34725	1.34322	1.36959	1.34675	1.16E-08	7.95E-05	1.00E-06	3.04E-04	5.88E-07	3.21E-04	7.07E-04
1094	UCAF	571870.55	4178879	571870.55, 4178878.99	1.23029	0.00311	1.29008	1.28611	1.3155	1.29119	1.12E-08	7.61E-05	9.61E-07	2.91E-04	5.64E-07	3.08E-04	6.77E-04
1095	UCAF	570230.55	4178919	570230.55, 4178918.99	0.94919	0.00037	1.09436	1.10111	0.92653	0.9421	8.64E-09	9.05E-06	8.15E-07	2.49E-04	3.98E-07	2.25E-04	4.84E-04
1096	UCAF	570270.55	4178919	570270.55, 4178918.99	1.01532	0.00041	1.18465	1.19454	0.99408	1.01855	9.24E-09	1.00E-05	8.82E-07	2.70E-04	4.27E-07	2.43E-04	5.25E-04
1097	UCAF	570310.55	4178919	570310.55, 4178918.99	1.08634	0.00046	1.28876	1.30231	1.06783	1.09936	9.89E-09	1.13E-05	9.60E-07	2.95E-04	4.58E-07	2.62E-04	5.70E-04
1098	UCAF	570350.55	4178919	570350.55, 4178918.99	1.16128	0.00053	1.40897	1.42716	1.14721	1.18265	1.06E-08	1.30E-05	1.05E-06	3.23E-04	4.92E-07	2.82E-04	6.20E-04
1099	UCAF	570390.55	4178919	570390.55, 4178918.99	1.24134	0.00062	1.55386	1.57652	1.23365	1.26819	1.13E-08	1.52E-05	1.16E-06	3.57E-04	5.29E-07	3.03E-04	6.76E-04
1100	UCAF	570430.55	4178919	570430.55, 4178918.99	1.32274	0.00074	1.72475	1.75384	1.32383	1.35398	1.20E-08	1.81E-05	1.28E-06	3.97E-04	5.68E-07	3.23E-04	7.40E-04
1101	UCAF	570470.55	4178919	570470.55, 4178918.99	1.40379	0.00091	1.92904	1.96987	1.41614	1.44085	1.28E-08	2.23E-05	1.44E-06	4.46E-04	6.08E-07	3.44E-04	8.14E-04
1102	UCAF	570510.55	4178919	570510.55, 4178918.99	1.48367	0.00114	2.18055	2.24255	1.50992	1.52976	1.35E-08	2.79E-05	1.62E-06	5.08E-04	6.48E-07	3.65E-04	9.03E-04
1103	UCAF	570550.55	4178919	570550.55, 4178918.99	1.5606	0.00141	2.49572	2.59306	1.60321	1.61958	1.42E-08	3.45E-05	1.86E-06	5.87E-04	6.88E-07	3.86E-04	1.01E-03
1104	UCAF	570590.55	4178919	570590.55, 4178918.99	1.6333	0.00169	2.89189	3.03159	1.69401	1.70673	1.49E-08	4.14E-05	2.15E-06	6.86E-04	7.27E-07	4.07E-04	1.14E-03
1105	UCAF	570630.55	4178919	570630.55, 4178918.99	1.69995	0.00194	3.34563	3.51675	1.77954	1.78677	1.55E-08	4.75E-05	2.49E-06	7.96E-04	7.63E-07	4.26E-04	1.27E-03
1106	UCAF	570670.55	4178919	570670.55, 4178918.99	1.75996	0.00211	3.77845	3.96996	1.85701	1.85671	1.60E-08	5.16E-05	2.81E-06	8.99E-04	7.97E-07	4.43E-04	1.40E-03
1107	UCAF	570710.55	4178919	570710.55, 4178918.99	1.81801	0.00224	4.1474	4.43881	1.92677	1.91545	1.66E-08	5.48E-05	3.09E-06	1.00E-03	8.27E-07	4.57E-04	1.52E-03
1108	UCAF	570750.55	4178919	570750.55, 4178918.99	1.88857	0.00242	4.34301	4.63264	2.00063	1.9675	1.72E-08	5.92E-05	3.24E-06	1.05E-03	8.58E-07	4.69E-04	1.58E-03
1109	UCAF	570790.55	4178919	570790.55, 4178918.99	1.97948	0.00271	4.35415	4.59088	2.09031	2.03676	1.80E-08	6.63E-05	3.24E-06	1.04E-03	8.97E-07	4.86E-04	1.60E-03
1110	UCAF	570830.55	4178919	570830.55, 4178918.99	2.08762	0.00309	4.2468	4.42161	2.20356	2.16705	1.90E-08	7.56E-05	3.16E-06	1.00E-03	9.45E-07	5.17E-04	1.60E-03
1111	UCAF	570870.55	4178919	570870.55, 4178918.99	2.19307	0.00346	4.09396	4.22104	2.32623	2.32698	2.00E-08	8.47E-05	3.05E-06	9.55E-04	9.98E-07	5.55E-04	1.60E-03
1112	UCAF	570910.55	4178919	570910.55, 4178918.99	2.26764	0.00367	3.9111	4.00802	2.42348	2.42981	2.06E-08	8.98E-05	2.91E-06	9.07E-04	1.04E-06	5.80E-04	1.58E-03
1113	UCAF	570950.55	4178919	570950.55, 4178918.99	2.30339	0.00373	3.72159	3.79418	2.48042	2.47615	2.10E-08	9.13E-05	2.77E-06	8.59E-04	1.06E-06	5.91E-04	1.54E-03
1114	UCAF	570990.55	4178919	570990.55, 4178918.99	2.30773	0.0038	3.53412	3.58944	2.50333	2.50233	2.10E-08	9.30E-05	2.63E-06	8.12E-04	1.07E-06	5.97E-04	1.51E-03
1115	UCAF	571030.55	4178919	571030.55, 4178918.99	2.29273	0.00402	3.35432	3.3967	2.50134	2.50123	2.09E-08	9.84E-05	2.50E-06	7.69E-04	1.07E-06	5.97E-04	1.47E-03
1116	UCAF	571070.55	4178919	571070.55, 4178918.99	2.26572	0.00432	3.17945	3.21378	2.47849	2.47145	2.06E-08	1.06E-04	2.37E-06	7.27E-04	1.06E-06	5.90E-04	1.43E-03
1117	UCAF	571110.55	4178919	571110.55, 4178918.99	2.23026	0.0046	3.0101	3.03929	2.4398	2.42896	2.03E-08	1.13E-04	2.24E-06	6.88E-04	1.05E-06	5.80E-04	1.38E-03
1118	UCAF	571150.55	4178919	571150.55, 4178918.99	2.19006	0.0048	2.8563	2.8773	2.39291	2.38234	1.99E-08	1.17E-04	2.13E-06	6.51E-04	1.03E-06	5.68E-04	1.34E-03
1119	UCAF	571190.55	4178919	571190.55, 4178918.99	2.14152	0.00486	2.70628	2.72394	2.33672	2.33144	1.95E-08	1.19E-04	2.02E-06	6.17E-04	1.00E-06	5.56E-04	1.29E-03
1120	UCAF	571230.55	4178919	571230.55, 4178918.99	2.08661	0.00485	2.56406	2.57834	2.27377	2.27127	1.90E-08	1.19E-04	1.91E-06	5.84E-04	9.76E-07	5.42E-04	1.25E-03
1121	UCAF	571270.55	4178919	571270.55, 4178918.99	2.02676	0.00474	2.43071	2.44039	2.20514	2.19954	1.85E-08	1.16E-04	1.81E-06	5.52E-04	9.46E-07	5.25E-04	1.20E-03
1122	UCAF	571310.55	4178919	571310.55, 4178918.99	1.96351	0.00467	2.3049	2.31059	2.13316	2.1233	1.79E-08	1.14E-04	1.72E-06	5.23E-04	9.15E-07	5.07E-04	1.15E-03
1123	UCAF	571350.55	4178919	571350.55, 4178918.99	1.89803	0.00452	2.18764	2.19001	2.05862	2.04734	1.73E-08	1.11E-04	1.63E-06	4.96E-04	8.83E-07	4.89E-04	1.10E-03
1124	UCAF	571390.55	4178919	571390.55, 4178918.99	1.83106	0.00437	2.07808	2.07805	1.9824	1.97311	1.67E-08	1.07E-04	1.55E-06	4.70E-04	8.51E-07	4.71E-04	1.05E-03
1125	UCAF	571430.55	4178919	571430.55, 4178918.99	1.76379	0.00419	1.97585	1.97425	1.90615	1.89993	1.61E-08	1.03E-04	1.47E-06	4.47E-04	8.18E-07	4.53E-04	1.01E-03
1126	UCAF	571470.55	4178919	571470.55, 4178918.99	1.69697	0.00401	1.88048	1.87747	1.8306	1.82627	1.55E-08	9.81E-05	1.40E-06	4.25E-04	7.85E-07	4.36E-04	9.61E-04
1127	UCAF	571510.55	4178919	571510.55, 4178918.99	1.62997	0.00385	1.79036	1.78584	1.75494	1.75025	1.48E-08	9.42E-05	1.33E-06	4.04E-04	7.53E-07	4.18E-04	9.18E-04
1128	UCAF	571550.55	4178919	571550.55, 4178918.99	1.56754	0.00369	1.70833	1.7027	1.68486	1.67726	1.43E-08	9.03E-05	1.27E-06	3.85E-04	7.23E-07	4.00E-04	8.78E-04
1129	UCAF	571590.55	4178919	571590.55, 4178918.99	1.50618	0.00353	1.63086	1.62444	1.61625	1.6045	1.37E-08	8.64E-05	1.21E-06	3.68E-04	6.93E-07	3.83E-04	8.39E-04
1130	UCAF	571630.55	4178919	571630.55, 4178918.99	1.44688	0.00341	1.55812	1.55129	1.55036	1.53491	1.32E-08	8.34E-05	1.16E-06	3.51E-04	6.65E-07	3.66E-04	8.03E-04
1131	UCAF	571670.55	4178919	571670.55, 4178918.99	1.38997	0.00328	1.48989	1.48294	1.48756	1.46998	1.27E-08	8.03E-05	1.11E-06	3.36E-04	6.38E-07	3.51E-04	7.68E-04
1132	UCAF	571710.55	4178919	571710.55, 4178918.99	1.33504	0.00315	1.42544	1.41861	1.4273	1.40921	1.22E-08	7.71E-05	1.06E-06	3.21E-04	6.12E-07	3.36E-04	7.36E-04
1133	UCAF	571750.55	4178919	571750.55, 4178918.99	1.28301	0.00303	1.36506	1.35854	1.37049	1.3527	1.17E-08	7.41E-05	1.02E-06	3.08E-04	5.88E-07	3.23E-04	7.06E-04
1134	UCAF	571790.55	4178919	571790.55, 4178918.99	1.23389	0.00292	1.30844	1.3023	1.31697	1.29932	1.12E-08	7.15E-05	9.75E-07	2.95E-04	5.65E-07	3.10E-04	6.78E-04
1135	UCAF	571830.55	4178919	571830.55, 4178918.99	1.18732	0.00281	1.25506	1.24928	1.26622	1.24801	1.08E-08	6.88E-05	9.35E-07	2.83E-04	5.43E-07	2.98E-04	6.51E-04
1136	UCAF	571870.55	4178919	571870.55, 4178918.99	1.14327	0.00271	1.20467	1.19914	1.21812	1.19865	1.04E-08	6.63E-05	8.97E-07	2.71E-04	5.23E-07	2.86E-04	6.25E-04
1137	FENC	570808.82	4178464.8	570808.82, 4178464.81	17.30046	0.00518	36.97914	63.06583	14.70783	15.23692	1.58E-07	1.27E-04	2.75E-05	1.43E-02	6.31E-06	3.64E-03	1.81E-02
1138	FENC	570823.91	4178529.9	570823.91, 4178529.88	15.15975	0.00701	39.08299	55.00783	14.56638	15.57881	1.38E-07	1.72E-04	2.91E-05	1.25E-02	6.25E-06	3.72E-03	1.64E-02
1139	FENC	570883.31	4178602	570883.31, 4178602.01	11.59398	0.01132	42.77326	54.67621	15.74982	16.23215	1.06E-07	2.77E-04	3.19E-05	1.24E-02	6.76E-06	3.87E-03	1.66E-02
1140	FENC	571181.45	4178310.2	571181.45, 4178310.17	36.91834	0.05005	31.31624	46.60932	58.02065	65.9257	3.36E-07	1.22E-03	2.33E-05	1.06E-02	2.49E-05	1.57E-02	2.76E-02
1141	FENC	571067.83	4178206.5	571067.83, 4178206.53	19.51177	0.00604	9.98035	10.29992	16.38098	16.49853	1.78E-07	1.48E-04	7.43E-06	2.33E-03	7.03E-06	3.94E-03	6.43E-03
1142	FENC	570799.89	4178446.8	570799.89, 4178446.83	16.08975	0.00627	40.20979	52.93536	13.45568	13.97936	1.47E-07	1.53E-04	3.00E-05	1.20E-02	5.77E-06	3.34E-03	1.55E-02

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: Sub-Area
Region: Santa Clara (SF)
Calendar Year: 2024
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK and RUNLOSS, g/vehicle/day for IDLEX and DIURN. PHEV calculated based on total VMT.

	PM10	PM2.5	PM10	PM2.5
	g/mi	g/mi	lb/mi	lb/mi
TW g/mi:	0.036912118	0.00922803	8.13773E-05	2.03443E-05
BW g/mi:	0.083323557	0.029163245	0.000183697	6.4294E-05

1g = 0.002205 lbs

Region	Calendar Y	Vehicle Cat	Model Yea	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	PM10_PMTW	PM10_PMBW	TW	BW	PM2.5_PMTW	PM2.5_PMBW	TW	BW
Santa Clara	2027	HHDT	Aggregate	Aggregate	Gasoline	1.833105	147.0378	147.0378	0	36.67676781	3.24E-06	1.51E-05	4.77E-04	2.23E-03	8.10E-07	5.30E-06	0.000119	0.000779
Santa Clara	2027	HHDT	Aggregate	Aggregate	Diesel	9011.071	1021241	1021241	0	132754.8218	0.039519007	0.089003104	4.04E+04	9.09E+04	0.009879752	0.031151086	10089.61	31812.78
Santa Clara	2027	HHDT	Aggregate	Aggregate	Electricity	177.8052	18594.17	0	18594.17	2312.242257	0.000701861	0.000881399	1.31E+01	1.64E+01	0.000175465	0.00030849	3.262626	5.736116
Santa Clara	2027	HHDT	Aggregate	Aggregate	Natural Ga	889.1692	57261.81	57261.81	0	7941.659305	0.002272332	0.009015823	1.30E+02	5.16E+02	0.000568083	0.003155538	32.52946	180.6918

TOTAL SITE

Total Site Acreage	14.9	acres
Total Site SF	649,044	sf
Grading Depth	2	feet
Grading Area Disturbed	1,298,088	cubic feet
	48,077	cubic yards
Soil from Trenching	5,414	cubic yards
Total Area Disturbed	53,491	cubic yards
Tons of Total Soil	67,621.94	tons
Total Soil Disturbed	61,345,605.64	kg
	557,687.32	kg excavted per day
	3%	assumed loss (airborne)
	16,730.62	kg PM airborne per day
Emissions Rate	7,587.58	lbs pm/day Total

Assumptions

1.2641662	tons/cy
1146.832614	kg/cy
907.185	tons/kg
1,298,088	cy of grading
5	months of grading
110	work days/month per phase
8	hrs/day
3600	sec/hr
1000	mg/g
2.204622622	lbs
1	kg
3.2	lbs pm/day per acre worked
2.205	kg/lbs

CalEEMod Outputs

2028		
Grading	PM10	PM2.5
lbs/day	3.61	1.43
kg/day	1.64	0.65

2028		
Trenching	PM10	PM2.5
lbs/day	3.59	1.42
kg/day	1.63	0.65

Emission factors for particulate matter (PM) from storage pile wind erosion calculations are estimated at 3.2 lbs PM per day per acre.

TRENCHING

Soil from Trenching	5,414	cubic yards
	6844.20	tons
Total Soil Disturbed	6,208,951.77	kg
	56,445.02	kg excavted per day
	3%	assumed loss (airborne)
	1,693.35	kg PM airborne per day
Emissions Rate	767.96	lbs pm/day trenching

STOCKPILE

Stockpile	2,707.00	cubic yards
	3422.10	tons
Total Soil Disturbed	3,104,475.89	kg
	28,222.51	kg trenched per day
	3%	assumed loss (airborne)
	846.68	kg PM airborne per day
Emissions Rate	383.98	lbs pm/day grading

GRADING

	14.90	active acres per day
Emissions Rate	47.68	lbs pm/day grading

Metals

		TRENCHING		GRADING		STOCKPILE	
Metals	Average (mg/kg)	Total lbs/day	g/s	Total lbs/day	g/s	Total lbs/day	g/s
Arsenic	113.3	8.60E-01	6.58E-08	5.40E-03	4.13E-10	2.53E-11	5.57E-14
Beryllium	0.3	1.96E-03	1.50E-10	1.23E-05	9.45E-13	5.77E-14	1.27E-16
Cadmium	2.5	1.88E-02	1.44E-09	1.18E-04	9.03E-12	5.52E-13	1.22E-15
Chromium	50.1	3.80E-01	2.91E-08	2.39E-03	1.83E-10	1.12E-11	2.46E-14
Cobalt	9.6	7.27E-02	5.56E-09	4.57E-04	3.49E-11	2.14E-12	4.71E-15
Copper	352.0	2.67E+00	2.04E-07	1.68E-02	1.28E-09	7.85E-11	1.73E-13
Lead	144.7	1.10E+00	8.40E-08	6.90E-03	5.28E-10	3.23E-11	7.11E-14
Nickel	40.4	3.07E-01	2.35E-08	1.93E-03	1.48E-10	9.02E-12	1.99E-14
Selenium	0.7	5.49E-03	4.21E-10	3.45E-05	2.64E-12	1.62E-13	3.56E-16
Mercury	0.2	1.37E-03	1.05E-10	8.60E-06	6.58E-13	4.02E-14	8.87E-17

convert tons/year to kg
need to do grading and trenching sep
then base the mg calc off of that (I7)

	TOTAL SITE	
Total Site Acreage	14.9	acres
Total Site SF	649,044	sf
Grading Depth	2	feet
Grading Area Disturbed	1,298,088	cubic feet
	48,077	cubic yards
Soil from Trenching	5,414	cubic yards
Total Area Disturbed	53,491	cubic yards
Tons of Total Soil	67,621.94	tons
Total Soil Disturbed	61,345,605.64	kg
	557,687.32	kg excavted per day
	3%	assumed loss (airborne)
	16,730.62	kg PM airborne per day
Emissions Rate	23,236.97	lbs pm/day Total
	TRENCHING	
Soil from Trenching	5,414	cubic yards
	6844.20	tons
Total Soil Disturbed	6,208,951.77	kg
	56,445.02	kg trenched per day
Emissions Rate	2,351.88	lbs pm/day trenching
	GRADING	
Soil from Grading	48,077	cubic yards
	60777.74	tons
Total Soil Disturbed	55,136,653.87	kg
	501,242.31	kg trenched per day
Emissions Rate	20,885.10	lbs pm/day grading
	STOCKPILE	
Stockpile	2,707.00	cubic yards
	3422.10	tons
Total Soil Disturbed	3,104,475.89	kg
	70,556.27	kg trenched per day
Emissions Rate	2,939.84	lbs pm/day grading

Assumptions	
1.2641662	tons/cy
1146.832614	kg/cy
907.185	tons/kg
1,298,088	cy of grading
5	months of grading
110	days/month
8	hrs/day
3600	sec/hr
1000	mg/g
2.204622622	lbs
1	kg
VOC Emissions Rate for Benzene	
1	lbs/hr
24	lbs/day
10.88621688	kg/day
Source: Estimating Air Emissions from Petroleum UST Cleanups	
2.5	months of stockpile
44	days/month
24	hrs/day
3600	sec/hr
1000	mg/g

VOCs

		TRENCHING		GRADING		STOCKPILE	
Metals	Average (mg/kg)	Total lbs/day	g/s	Total lbs/day	g/s	Total lbs/day	g/s
1,1,1-Trichloroethane	0.008	1.84E-05	1.41E-12	1.63E-04	1.25E-11	2.30E-05	5.06E-08
1,1-Dichloroethane (D	0.007	1.57E-05	1.20E-12	1.39E-04	1.06E-11	1.96E-05	4.32E-08
1,2-Dichlorobenzene	0.001	2.11E-06	1.61E-13	1.87E-05	1.43E-12	2.63E-06	5.81E-09
1,3,5-Trimethylbenzer	0.057	1.34E-04	1.03E-11	1.19E-03	9.14E-11	1.68E-04	3.70E-07
1,4-Dichlorobenzene	0.002	4.13E-06	3.16E-13	3.67E-05	2.81E-12	5.17E-06	1.14E-08
Acrylonitrile	0.005	1.21E-05	9.28E-13	1.08E-04	8.24E-12	1.52E-05	3.34E-08
Benzene	0.050	1.18E-04	9.01E-12	1.05E-03	8.00E-11	1.47E-04	3.24E-07
Chlorobenzene	0.001	2.68E-06	2.05E-13	2.38E-05	1.82E-12	3.35E-06	7.38E-09
Chloroform	0.003	7.05E-06	5.39E-13	6.26E-05	4.79E-12	8.81E-06	1.94E-08
cis-1,2-Dichloroethen	0.005	1.20E-05	9.21E-13	1.07E-04	8.18E-12	1.50E-05	3.31E-08
Ethylbenzene	0.881	2.07E-03	1.59E-10	1.84E-02	1.41E-09	2.59E-03	5.71E-06
Styrene	0.000	1.12E-06	8.61E-14	9.99E-06	7.65E-13	1.41E-06	3.10E-09
Tetrachloroethene	0.006	1.34E-05	1.03E-12	1.19E-04	9.13E-12	1.68E-05	3.70E-08
Toluene	0.033	7.78E-05	5.96E-12	6.91E-04	5.29E-11	9.73E-05	2.15E-07
Trichloroethene	0.030	7.13E-05	5.46E-12	6.33E-04	4.85E-11	8.91E-05	1.96E-07
Xylenes, Total	0.152	3.58E-04	2.74E-11	3.18E-03	2.43E-10	4.47E-04	9.86E-07

	TOTAL SITE	
Total Site Acreage	14.9	acres
Total Site SF	649,044	sf
Grading Depth	2	feet
Grading Area Disturbed	1,298,088	cubic feet
	48,077	cubic yards
Soil from Trenching	5,414	cubic yards
Total Area Disturbed	53,491	cubic yards
Tons of Total Soil	67,621.94	tons
Total Soil Disturbed	61,345,605.64	kg
	557,687.32	kg excavted per day
	3%	assumed loss (airborne)
	16,730.62	kg PM airborne per day
Emissions Rate	23,236.97	lbs pm/day Total
	TRENCHING	
Soil from Trenching	5,414	cubic yards
	6844.20	tons
Total Soil Disturbed	6,208,951.77	kg
	56,445.02	kg trenched per day
Emissions Rate	2,351.88	lbs pm/day trenching
	GRADING	
Soil from Grading	48,077	cubic yards
	60777.74	tons
Total Soil Disturbed	55,136,653.87	kg
	501,242.31	kg trenched per day
Emissions Rate	20,885.10	lbs pm/day grading
	STOCKPILE	
Stockpile	2,707.00	cubic yards
	3422.10	tons
Total Soil Disturbed	3,104,475.89	kg
	70,556.27	kg trenched per day
Emissions Rate	2,939.84	lbs pm/day grading

Assumptions	
1.2641662	tons/cy
1146.832614	kg/cy
907.185	tons/kg
1,298,088	cy of grading
5	months of grading
110	days/month
8	hrs/day
3600	sec/hr
1000	mg/g
2.204622622	lbs
1	kg
VOC Emissions Rate for Benzene	
1	lbs/hr
24	lbs/day
10.88621688	kg/day

Source: Estimating Air Emissions from Petroleum UST Cleanups

2.5	months of stockpile
44	days/month
24	hrs/day
3600	sec/hr
1000	mg/g

VOCs

		TRENCHING		GRADING		STOCKPILE	
Metals	Average (mg/kg)	Total lbs/day	g/s	Total lbs/day	g/s	Total lbs/day	g/s
2,4,6-Tribromophenol	0.468	1.10E-03	8.42E-11	9.77E-03	7.48E-10	1.37E-03	3.03E-06
Benzo(a)anthracene	0.282	6.63E-04	5.07E-11	5.89E-03	4.51E-10	8.29E-04	1.83E-06
Bis(2-chloroethyl)ethe	0.347	8.17E-04	6.25E-11	7.25E-03	5.55E-10	1.02E-03	2.25E-06
Chrysene	0.349	8.21E-04	6.29E-11	7.29E-03	5.58E-10	1.03E-03	2.26E-06
Dibenz(a,h)anthracen	0.055	1.29E-04	9.86E-12	1.14E-03	8.75E-11	1.61E-04	3.55E-07
Hexachlorobenzene	0.077	1.82E-04	1.39E-11	1.61E-03	1.24E-10	2.27E-04	5.01E-07
Indeno(1,2,3-cd)pyrer	0.207	4.88E-04	3.73E-11	4.33E-03	3.31E-10	6.09E-04	1.34E-06
Naphthalene	0.057	1.34E-04	1.03E-11	1.19E-03	9.10E-11	1.67E-04	3.69E-07
Phenol	0.115	2.71E-04	2.07E-11	2.41E-03	1.84E-10	3.39E-04	7.47E-07

	Metals			
Metals	Ma	Min	Average	Median
Arsenic	3460.0	0.3	113.3	4.5
Beryllium	1.3	0.02	0.3	0.3
Cadmium	47.1	0.02	2.5	0.03
Chromium	313.0	2.3	50.1	36.3
Cobalt	26.3	0.1	9.6	8.8
Copper	15300.0	0.2	352.0	47.9
Lead	2240.0	0.0	144.7	44.4
Nickel	124.0	0.1	40.4	35.8
Selenium	6.1	0.4	0.7	0.4
Mercury	2.3	0.01	0.2	0.1

		SVOCs			
SVOCs	Vapor Pressue (Pa)	Ma	Min	Average	Median
2,4,6-Tribromophenol	0.063	7.00	0.11	0.47	0.41
2-Fluorophenol		7.00	0.14	0.50	0.44
Benzo(a)anthracene	292	14.50	0.003	0.28	0.01
Bis(2-chloroethyl)ether	95	20.00	0.003	0.35	0.01
Chrysene	8.40E-05	22.60	0.003	0.35	0.01
Dibenz(a,h)anthracene	3.70E-12	1.08	0.005	0.05	0.01
Hexachlorobenzene	0.00145	1.78	0.01	0.08	0.01
Indeno(1,2,3-cd)pyrene	1.35E-08	13.00	0.005	0.21	0.01
Naphthalene	11	0.97	0.004	0.06	0.01
Phenol	53	4.37	0.004	0.12	0.02

		VOCs				
VOCs	Vapor Pressure (Pa)	Ma	Min	Average	Median	lbs/hr
1,1,1,2-Tetrachloroethane	1,867	-	-	-	-	#VALUE!
1,1,1-Trichloroethane (TCE)	14932.11	4.22E-01	5.20E-04	7.81E-03	7.05E-04	1.19E-01
1,1,2,2-Tetrachloroethane	617	-	-	-	-	#VALUE!
1,1,2-Trichloroethane		-	-	-	-	#VALUE!
1,1-Dichloroethane (DCA)	29197.6	3.51E-01	2.77E-04	6.66E-03	3.71E-04	9.86E-02
1,2,3-Trichlorobenzene		4.42E-01	4.14E-03	1.13E-02	5.50E-03	1.24E-01
1,2,3-Trimethylbenzene		6.30E+00	8.90E-04	1.01E-01	1.21E-03	1.77E+00
1,2,4-Trichlorobenzene		2.66E-01	2.48E-03	6.81E-03	3.29E-03	7.46E-02
1,2,4-Trimethylbenzene		3.16E+00	8.90E-04	7.06E-02	1.22E-03	8.88E-01
1,2-Dibromo-3-Chloropropane	106	-	-	-	-	#VALUE!
1,2-Dichlorobenzene	133	2.56E-02	2.40E-04	8.96E-04	3.18E-04	7.19E-03
1,2-Dichloroethane	8,800	-	-	-	-	#VALUE!
1,3,5-Trimethylbenzene	310	2.23E+00	1.13E-03	5.71E-02	1.53E-03	6.26E-01
1,3-Dichlorobenzene		3.62E-02	3.39E-04	9.28E-04	4.49E-04	1.02E-02
1,4-Dichlorobenzene	227	4.22E-02	3.95E-04	1.76E-03	5.70E-04	1.19E-02
2-Chlorotoluene		5.14E-01	2.83E-04	7.06E-03	6.25E-04	1.44E-01
4-Bromofluorobenzene		2.02E-02	5.45E-04	1.30E-02	1.65E-02	5.67E-03
4-Chlorotoluene		5.03E-01	1.27E-04	6.09E-03	3.20E-04	1.41E-01
Acrylonitrile	12,267	2.18E-01	6.25E-04	5.16E-03	2.56E-03	6.12E-02
Benzene	12,667	3.56E+00	2.64E-04	5.00E-02	4.00E-04	1
Bromobenzene		5.45E-02	4.46E-04	1.61E-03	6.55E-04	
Chlorobenzene	1,467	3.73E-02	1.19E-04	1.14E-03	1.69E-04	
Chloroform	2933	7.37E-02	5.80E-04	3.00E-03	8.25E-04	
cis-1,2-Dichloroethene	5999	2.09E-01	4.14E-04	5.11E-03	5.95E-04	
Ethylbenzene	733	7.54E+01	4.16E-04	8.81E-01	6.05E-04	
Isopropylbenzene		2.16E+01	2.40E-04	2.45E-01	3.49E-04	
Naphthalene		4.96E+01	1.74E-03	6.20E-01	3.56E-03	
n-Butylbenzene		3.39E+01	1.39E-04	3.96E-01	3.74E-03	
n-Propylbenzene		7.78E+01	5.35E-04	8.65E-01	7.80E-04	
p-Isopropyltoluene		6.33E-01	5.40E-04	1.21E-02	1.85E-03	
sec-Butylbenzene		1.81E+01	7.85E-04	2.02E-01	2.09E-03	
Styrene	853	1.38E-02	1.29E-04	4.78E-04	1.84E-04	
tert-Butylbenzene		1.41E-01	5.30E-04	4.47E-03	1.42E-03	
Tetrachloroethene	8170	1.15E-01	5.05E-04	5.71E-03	6.73E-04	
Toluene	3733	9.96E-01	7.35E-04	3.31E-02	1.01E-03	
Trichloroethene	5333	1.75E+00	3.30E-04	3.03E-02	4.39E-04	
Xylenes, Total	1185	3.87E+00	4.97E-04	1.52E-01	6.98E-04	

5,414 cubic yards
~25,600 square feet

			Hazards		
	Pollutant	Cancer Risk (mg/kh-day)-1	Acute	Chronic	8-Hour
Metals	Arsenic	1.2 E+1	0.2	0.015	0.015
	Beryllium	8.4 E+0		0.007	
	Cadmium	1.5 E+1		0.02	
	Chromium (hexavalent)	5.1 E+2		0.2	
	Cobalt	2.7 E+1			
	Copper		100		
	Lead	4.2 E-2			
	Mercury		0.6	0.03	0.06
	Nickel	9.1 E-1	2.00E-01	0.014	0.06
	Selenium			20	
	1,1,1,2-Tetrachloroethane	2.0 E-1			
VOCs	1,1,1-Trichloroethane	5.7 E-2			
	1,1,2,2-Tetrachloroethane	2.0 E-1			
	1,1,2-Trichloroethane	5.7 E-2			
	1,1-Dichloroethane	5.7 E-3			
	1,2,3-Trimethylbenzene		2400	4.00E+00	8
	1,2-Dibromo-3-Chloropropane	7.0 E+0			
	1,2-Dichlorobenzene	4.0 E-2		800	
	1,2-Dichloroethane	5.7 E-3			
	1,3,5-Trimethylbenzene		2400	4.00E+00	8
	1,4-Dichlorobenzene	4.0 E-2		800	
	Acrylonitrile	1 .0 E+0		5.00E+00	
	Benzene	1.0 E-1	2.70E+01	3	3
	Chlorobenzene			1.00E+03	
	Chloroform	1.9 E-2	1.50E+02	300	
	cis-1,2-Dichloroethene	5.7 E-3			
	Ethylbenzene	8.7 E-3		2000	
	Styrene		2.10E+04	900	
	Tetrachloroethene	2.0 E-1			
	Toluene		5.00E+03	420	830
	Trichloroethene	5.7 E-2			
	Xylenes,		22000	700	
SVOCS					
	1,4-Dichlorobenzene	4.0 E-2		800	
	2,4,6-Trichlorophenol	7.0 E-2			
	2,4-Dinitrotoluene	3.1 E-1			
	3,3-Dichlorobenzidine	1.2 E+0			
	Benzidine	5.0 E+2			
	Benzo(a)anthracene	3.9 E-1			
	Benzo(a)pyrene	3.9 E+0			
	Bis(2-chloroethyl)ether	2.5 E+0			
	Chrysene	3.9 E-2			
	Dibenz(a,h)anthracene	4.1 E+0			
	Hexachlorobenzene	1.8 E+0			
	Indeno(1,2,3-cd)pyrene	3.9 E-1			
	Isophorone			2000	
	Naphthalene	1.2 E-1		9	
	n-Nitrosodimethylamine	1.6 E+1			
	n-Nitrosodi-n-propylamine	7.0 E+0			
	n-Nitrosodiphenylamine	9.0 E-3			
	Pentachlorophenol	1.8 E-2			
	Phenol		5800	200	
PCBs	high risk	2.0 E+0			
	low risk	4.0 E-1			
	lowest risk	7.0 E-2			

Sample ID	2019 RWQCB	2019 RWQCB Direct	SFBR	BS-B1-1	BS-B1-1	BS-B1-1	BS-C1-1	BS-C1-1	BS-C1-1	BS-D1-1	BS-D1-1	BS-D1-1	BS-E1-1
Sample Depth (ft bgs)	Direct Contact	Contact Commercial /	Background	1.0	2.0	3.0	1.0	2.0	3.0	1.0	2.0	3.0	1.0
Sample Date	onstruction Worker ESL	Industrial ESLs[1]	Concentration[2]	5/20/2024	5/20/2024	5/20/2024	5/21/2024	5/21/2024	5/21/2024	5/24/2024	5/24/2024	5/24/2024	5/22/2024
METALS - 6010B (mg/kg)													
Arsenic	9.76E-01	3.05E-01	11	**3.15**	**6.2**	**3.21**	**4.02**	**5.66**	**5.77**	**3.25**	**3.87**	**4.7**	**5.71**
Beryllium	2.72E+01	2.32E+02	NS	<0.0381	**0.467**	**0.491**	<0.034	<0.0337	**0.266**	<0.0348	**0.244**	<0.0347	**0.312**
Cadmium	5.09E+01	1.15E+03	NS	<0.057	<0.055	<0.0608	<0.0509	<0.0504	<0.0617	**0.681**	<0.0518	<0.0518	<0.0573
Chromium	NS	NS	NS	**13.9**	**32.2**	**24.8**	**21.7**	**27.1**	**28.3**	**29.3**	**24.2**	**15.7**	**39**
Cobalt	2.79E+01	3.47E+02	NS	**7.6**	**12.4**	**13.7**	**7.77**	**11.7**	**10.9**	**12.3**	**10**	**11.7**	**19.4**
Copper	1.42E+04	4.67E+04	NS	**44.6 J-**	**34.8 J5**	**18.5 J-**	**20.6**	**27.4**	**27.5**	**64.5**	**121**	**34.9**	**24.2**
Lead	1.60E+02	3.20E+02	NS	**40.8 J**	**59.1**	**16.2 J**	**42.3**	**57.4**	**19.9**	**200**	**178**	**33.8**	**32.3**
Nickel	8.63E+01	1.11E+04	NS	**22.5**	**41.2**	**44.9**	**26.1 J-**	**41.6 J-**	**46.3 J-**	**38.5**	**23.1**	**22.1**	**117**
Selenium	1.75E+03	5.84E+03	NS	<0.925	<0.891	<0.986	<0.825	<0.818	<1	<0.845	<0.84	<0.841	<0.929
Mercury	4.36E+01	1.87E+02	NS	**0.118**	**0.15**	**0.0948**	**0.133**	**0.199**	<0.0236	**0.101**	**0.136**	**0.0771**	**0.0591**

Sample ID	2019 RWQCB	2019 RWQCB Direct	SFBR	BS-E1-1	BS-E1-1	BS-E1-1	BS-E1-1	BS-F1-1	BS-F1-1	BS-F1-1	BS-G1-1	BS-G1-1	BS-G1-1
Sample Depth (ft bgs)	Direct Contact	Contact Commercial /	Background	2	3	4	5	11	12	13	11	12	13
Sample Date	onstruction Worker ESL	Industrial ESLs[1]	Concentration[2]	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/28/2024	5/28/2024	5/28/2024	5/29/2024	5/29/2024	5/29/2024
METALS - 6010B (mg/kg)													
Arsenic	9.76E-01	3.05E-01	11	**2.77**	<0.703	**4.53**	—	**7.19**	**6.61**	**9.68**	**4.29**	**2.97**	<0.554
Beryllium	2.72E+01	2.32E+02	NS	<0.0356	<0.0427	**0.319**	—	<0.0345	<0.0344	**0.413**	<0.0368	<0.036	<0.0337
Cadmium	5.09E+01	1.15E+03	NS	**2.14**	**6.27**	**6.22**	—	<0.0515	<0.0515	<0.0544	<0.055	<0.0538	<0.0503
Chromium	NS	NS	NS	**23.3**	**20.8**	**46.4**	—	**37.2**	**23.1**	**64**	**112**	**175**	**269**
Cobalt	2.79E+01	3.47E+02	NS	**4.16**	**1.47 B**	**4.59**	—	**16.6**	**8.34**	**13.7**	**7.55**	**18.5**	**6.67**
Copper	1.42E+04	4.67E+04	NS	**25 J-**	**45.6 J-**	**65.3**	—	**32.1**	**47.8**	**40.7**	**88.4**	**183**	**104**
Lead	1.60E+02	3.20E+02	NS				NA*	**99.3**	**51.6**	**66.7**	**37**	**34.2**	**23.2**
Nickel	8.63E+01	1.11E+04	NS	**22.2**	**12.6**	**33**	—	**35.9**	**26.4**	**55.2**	**76.9**	**320**	**71.4**
Selenium	1.75E+03	5.84E+03	NS	<0.863	<1.04	<0.897	—	<0.836	<0.835	<0.882	<0.892	<0.873	<0.817
Mercury	4.36E+01	1.87E+02	NS	**0.0699**	<0.0244	**0.127**	—	**0.155**	**0.0657**	**0.0904**	<0.021	<0.0206	<0.0192

Sample ID	2019 RWQCB	2019 RWQCB Direct	SFBR	BS-I1-1	BS-I1-1	BS-I1-1	BS-I1-1	BS-I1-1	BS-I2-1	BS-I2-1	BS-I2-1	BS-I3-1	BS-I3-1
Sample Depth (ft bgs)	Direct Contact	Contact Commercial /	Background	1.0	2.0	3.0	4.0	5.0	1.0	2.0	3.0	1.0	2.0
Sample Date	onstruction Worker ESL	Industrial ESLs[1]	Concentration[2]	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024
METALS - 6010B (mg/kg)													
Arsenic	9.76E-01	3.05E-01	11	**6.8 J**	**31.5 J**	**59.5**	**13.5**	**6.35**	<0.585	**2.28 J**	<0.642	<0.596	<0.599
Beryllium	2.72E+01	2.32E+02	NS	**0.727**	**0.326**	**0.291**	—	—	**1.11**	<0.035	**0.412**	**0.258**	<0.0364
Cadmium	5.09E+01	1.15E+03	NS	<0.0497	**2.09**	**6.09**	—	—	**3.04**	**1.43**	<0.0584	**1.13**	**1.2**
Chromium	NS	NS	NS	**22.3**	**29.2**	**52**	—	—	**88**	**22.1**	**47.4**	**52.2**	**84**
Cobalt	2.79E+01	3.47E+02	NS	**5.26**	**7.69**	**43.3**	**12.4**	—	**4.36**	**9.76**	**10.6**	**15.7**	**26.3**
Copper	1.42E+04	4.67E+04	NS	**23.7 J-**	**71.8 J-**	**82.2**	—	—	**79.7 J-**	**36.1 J-**	**21.9 J-**	**54.1**	**101**
Lead	1.60E+02	3.20E+02	NS	**13.2 J-**	**99.9 J-**	**150 J**	—	—	**711 J-**	**106 J-**	**10.1 J-**	**217 J**	**207 J**
Nickel	8.63E+01	1.11E+04	NS	**22.4**	**32.9**	**104**	**56.5**	—	**20.2**	**27.5**	**51.8**	**64.7**	**61.1**
Selenium	1.75E+03	5.84E+03	NS	**2.7**	**3.37**	**4.43**	—	—	**6.1**	<0.848	<0.948	<0.879	<0.883
Mercury	4.36E+01	1.87E+02	NS	**0.0515**	<0.0193	<0.0212	—	—	<0.0203	**0.193**	**0.0607**	**0.232**	**0.446**

Sample ID	2019 RWQCB	2019 RWQCB Direct	SFBR	BS-I3-1	G/BS-A2-1	G/BS-A2-1	G/BS-A2-1	G/BS-A3-1	G/BS-A3-1	G/BS-A3-1	G/BS-D4-1	G/BS-D4-1	G/BS-D4-1
Sample Depth (ft bgs)	Direct Contact	Contact Commercial /	Background	3.0	1.0	2.0	3.0	1.0	2.0	3.0	1.0	2.0	3.0
Sample Date	onstruction Worker ESL	Industrial ESLs[1]	Concentration[2]	5/30/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/28/2024	5/28/2024	5/28/2024
METALS - 6010B (mg/kg)													
Arsenic	9.76E-01	3.05E-01	11	**4.88**	**3.92**	**5.06**	**4.59**	**19**	**7.17**	**2.61**	**7.75**	**13.3**	**38.7**
Beryllium	2.72E+01	2.32E+02	NS	**0.413**	**0.288**	**0.432**	**0.267**	<0.174	<0.036	**0.342**	<0.0334	**0.289**	**0.769**
Cadmium	5.09E+01	1.15E+03	NS	<0.0546	<0.0525	**3.14**	<0.0624	**47.1**	**14.7**	<0.0558	**1.73**	**1.06**	**2.43**
Chromium	NS	NS	NS	**79**	**27.3**	**36.4**	**30.5**	**61.1**	**17.2**	**80.8**	**147**	**81.8**	**115**
Cobalt	2.79E+01	3.47E+02	NS	**11.2**	**10.3**	**9.97**	**9.8**	**20**	**8.3**	**12.9**	**8.99**	**6.12**	**9.29**
Copper	1.42E+04	4.67E+04	NS	**35.8**	**59.4 J-**	**246 J-**	**68.2 J-**	**1,030 J+**	**60.6 J+**	**36.8 J+**	**266**	**65.9**	**307**
Lead	1.60E+02	3.20E+02	NS	**109 J**	**131 J**	**625 J**	**46.2 J**	**1,220 J**	**67.1 J**	**49.8 J**			
Nickel	8.63E+01	1.11E+04	NS	**57.5**	**31.3**	**55**	**45**	**103 J-**	**22.1 J-**	**52.1 J-**	**73.7**	**30.5**	**40.7**
Selenium	1.75E+03	5.84E+03	NS	<0.886	<0.852	<0.856	<1.01	<4.2	<0.874	<0.906	<0.809	<0.851	<0.852
Mercury	4.36E+01	1.87E+02	NS	**0.138**	**0.239**	**0.383**	**0.151**	**0.473**	**0.16**	**0.0997**	**0.165 J-**	**0.607 J3J5J6-**	<0.0201 J-

Sample ID	2019 RWQCB	2019 RWQCB Direct	SFBR	G/BS-D4-1	G/BS-F4-1	G/BS-F4-1	G/BS-F4-1	G/BS-H1-1	G/BS-H1-1	G/BS-H1-1	G/UC-B1-1	G/UC-B1-1	G/UC-B1-1
Sample Depth (ft bgs)	Direct Contact	Contact Commercial /	Background	4.0	1.0	2.0	3.0	1.0	2.0	3.0	1.0	2.0	3.0
Sample Date	onstruction Worker ESL	Industrial ESLs[1]	Concentration[2]	5/28/2024	5/29/2024	5/29/2024	5/29/2024	5/30/2024	5/30/2024	5/30/2024	5/21/2024	5/21/2024	5/21/2024
METALS - 6010B (mg/kg)													
Arsenic	9.76E-01	3.05E-01	11	**5.04 B**	**5.43**	**5.76**	**3.66**	**3.66**	<0.556	**3.72**	**44.9**	**1,930 J3O1V**	**3,460**
Beryllium	2.72E+01	2.32E+02	NS	<0.0397	**0.645**	**0.343**	<0.0391	**0.509**	<0.0338	**0.785**	**0.287**	<0.0382	<0.0345
Cadmium	5.09E+01	1.15E+03	NS	**0.8**	**25.7**	**9.05**	<0.0584	<0.0578	<0.0506	<0.0625	<0.0543	**1.71**	**0.614**
Chromium	NS	NS	NS	**46.7**	**50.4**	**39.1**	**52.6**	**42.9**	**12.8**	**44.6**	**239**	**835 J3V**	**313**
Cobalt	2.79E+01	3.47E+02	NS	**7.89**	**7.12**	**7.71**	**10.9**	**14.6**	**5.63**	**14.5**	**8.97**	**15.4 J6O1**	**3.46**
Copper	1.42E+04	4.67E+04	NS	**212**	**202**	**165**	**20.3**	**29**	**30.8**	**35.7**	**29.8**	**80.7**	**50.4**
Lead	1.60E+02	3.20E+02	NS	**151**			**24.3**	**37.8**	**58.6**	**33.1**	**61.6**	**138**	**42.8**
Nickel	8.63E+01	1.11E+04	NS	**82.7**	**40.8**	**29.9**	**53.9**	**50**	**18.3**	**62**	**39.5 J-**	**166 J3J6-**	**42.9 J-**
Selenium	1.75E+03	5.84E+03	NS	<0.963	<0.834	<0.904	<0.948	<0.937	<0.821	<1.01	<0.881	<0.927	<0.838
Mercury	4.36E+01	1.87E+02	NS	**0.0637**	**0.105**	**0.63**	**0.0574**	<0.0221	**0.0486**	**0.0546**	**0.0757**	**0.074**	<0.0197

Sample ID	2019 RWQCB	2019 RWQCB Direct	SFBR	G/UC-B1-1	G/UC-B1-1	G/UC-B4-1	G/UC-B4-1	G/UC-B4-1	G/UC-C1-1	G/UC-C1-1	G/UC-C1-1	G/UC-C4-1	G/UC-C4-1
Sample Depth (ft bgs)	Direct Contact	Contact Commercial /	Background	4.0	5.0	1.0	2.0	3.0	1.0	2.0	3.0	1.0	2.0
Sample Date	onstruction Worker ESL	Industrial ESLs[1]	Concentration[2]	5/21/2024	5/21/2024	5/23/2024	5/23/2024	5/23/2024	5/21/2024	5/21/2024	5/21/2024	5/22/2024	5/22/2024
METALS - 6010B (mg/kg)													
Arsenic	9.76E-01	3.05E-01	11	**311**	NA*	**5.67**	**12.2**	<0.553	**5.05**	**6.89**	**3.76**	**2.95**	**2.67**
Beryllium	2.72E+01	2.32E+02	NS	—	—	**0.299**	**0.35**	<0.0336	<0.0335	**0.486**	**0.294**	**0.598**	**0.764**
Cadmium	5.09E+01	1.15E+03	NS	—	—	**9.4**	<0.0521	<0.0503	<0.0501	<0.051	<0.0524	<0.054	**0.98**
Chromium	NS	NS	NS	—	—	**35.2**	**34.9**	**11.1**	**24.3**	**26.3**	**17.7**	**66.3**	**81.7**
Cobalt	2.79E+01	3.47E+02	NS	—	—	**2.76**	**22.6**	**7.02**	**5.54**	**9.18**	**5.91**	**2.56**	**1.46**
Copper	1.42E+04	4.67E+04	NS	—	—	**73.4**	**131**	**3.85**	**17.5**	**26.2**	**16**	**51.2 J-**	**36.4 J-**
Lead	1.60E+02	3.20E+02	NS	—	—	**2,240**	**24.3**	**6.68**	**24.9**	**22.5**	**12.7**	**124 J**	**269 J**
Nickel	8.63E+01	1.11E+04	NS	—	—	**19.1**	**41.3**	**10.4**	**30.7 J-**	**41.7 J-**	**23.4 J-**	**23.3**	**11.9**
Selenium	1.75E+03	5.84E+03	NS	—	—	<0.931	**2.51**	<0.816	<0.813	<0.827	<0.849	<0.876	<0.884
Mercury				—	—	0.0947	2.33	0.0192	0.135	<0.0195	<0.02	<0.0206	<0.0206

Sample ID	2019 RWQCB	2019 RWQCB Direct	SFBR	G/UC-C4-1	G/UC-C4-1	G/UC-C4-1	G/UC-H4-1	G/UC-H4-1	G/UC-H4-1	G/UC-I1-1	G/UC-I1-1	G/UC-I1-1	G/UC-I1-1
Sample Depth (ft bgs)	Direct Contact	Contact Commercial /	Background	3.0	4.0	5.0	1.0	2.0	3.0	1.0	2.0	3.0	4.0
Sample Date	onstruction Worker ESL	Industrial ESLs[1]	Concentration[2]	5/22/2024	5/22/2024	5/22/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024
Arsenic	9.76E-01	3.05E-01	11	**3.17**	—	—	<0.552	**4.61**	**5.55**	**206 J**	**415 J3J5J6**	**170 J**	**5.29**
Beryllium													
Cadmium	5.09E+01	1.15E+03	NS	**1.24**	—	—	<0.0502	**2.41**	<0.0533	**5.9**	**6.35**	**3.6**	—
Chromium	NS	NS	NS	**38.2 O1**	—	—	**6.78**	**58.4**	**38.8**	**46.1**	**53.6 O1**	**47**	—
Cobalt	2.79E+01	3.47E+02	NS	**2.78 J6**	—	—	**11.6**	**15.9**	**19**	**12.5**	**13.7**	**11.7**	—
Copper	1.42E+04	4.67E+04	NS	**52.9 J6O1-**	—	—	**44.2**	**64.1**	**63.2**	**86.3 J-**	**164 J3J5-**	**111 J-**	—
Lead	1.60E+02	3.20E+02	NS			NA*	**23.2**	**123**	**25**	**213 J-**	**187 J3J5J6-**	**146 J-**	—
Nickel	8.63E+01	1.11E+04	NS	**17.1 J6O1**	—	—	**7.96**	**63.7**	**31.1**	**47.6**	**57.8**	**60**	—
Selenium	1.75E+03	5.84E+03	NS	<0.905	—	—	<0.815	<0.873	<0.865	**3.52**	**4.4**	**5.21**	—
Mercury	4.36E+01	1.87E+02	NS	<0.0213	—	—	**0.0525**	**0.211**	**0.36**	**0.153**	**0.196**	**0.182**	—

Sample ID	2019 RWQCB	2019 RWQCB Direct	SFBR	G/UC-I2-1	G/UC-I2-1	G/UC-I2-1	G/UC-I3-1	G/UC-I3-12.0	G/UC-I3-1	G/UC-I4-1	G/UC-I4-1	G/UC-I4-1	G/UC-I4-1
Sample Depth (ft bgs)	Direct Contact	Contact Commercial /	Background	1.0	2.0	3.0	1.0	2.0	3.0	1.0	2.0	3.0	4.0
Sample Date	onstruction Worker ESL	Industrial ESLs[1]	Concentration[2]	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024
METALS - 6010B (mg/kg)													
Arsenic	9.76E-01	3.05E-01	11	**3.23**	<0.576	<0.684	**5.14**	<0.656	<0.619	<0.598	<0.569	**38.3 J**	**6.66**
Beryllium	2.72E+01	2.32E+02	NS	**0.514**	<0.035	**0.837**	<0.0351	<0.0399	**0.379**	<0.0364	<0.0346	<0.189	—
Cadmium	5.09E+01	1.15E+03	NS	**3.44**	<0.0524	<0.0622	**1.12**	<0.0596	<0.0563	**3.15**	**0.586**	<0.282	—
Chromium	NS	NS	NS	**66.8**	**17.9**	**83.3**	**26.8**	**75.2**	**47.8**	**73.7**	**34.7**	**117**	—
Cobalt	2.79E+01	3.47E+02	NS	**8.53**	**7.31**	**13.8**	**6.54**	**24.5**	**10**	**20**	**11.2**	**16.7**	—
Copper	1.42E+04	4.67E+04	NS	**90.7**	**30.6**	**37.6**	**55.8**	**127**	**22 J-**	**141 J-**	**80.1 J-**	**369 J-**	—
Lead	1.60E+02	3.20E+02	NS	**709 J**	**60.5 J**	**13.9 J**	**244 J**	**20.4 J**	**16.4 J-**				**26.5**
Nickel	8.63E+01	1.11E+04	NS	**42.5**	**29**	**71.9**	**25.9**	**54.5**	**50.6**	**46**	**28.3**	**84.5**	—
Selenium	1.75E+03	5.84E+03	NS	<0.87	<0.849	<1.01	<0.851	<0.968	<0.914	<0.882	<0.839	<4.57	—
Mercury	4.36E+01	1.87E+02	NS	<0.0205	**0.139**	**0.0592**	**0.137**	**0.151**	**0.111**	**0.44**	**0.189**	<0.0215	—

Sample IDSampl	2019 RWQCBDirect	2019 RWQCB DirectCo	SFBRBackground	G-A1-1	G-A1-1	G-A1-1	G-B2-1	G-B2-1	G-B2-1	G-B2-1	G-B2-1	G-B3-1	G-B3-1
				1	2	3	1	2	3	4	5	1	2
Sample Date	onstruction Worker ESL	Industrial ESLs[1]	Concentration[2]	5/20/2024	5/20/2024	5/20/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024
METALS - 6010B (mg/kg)													
Arsenic	9.76E-01	3.05E-01	11	**2.79**	**2.45**	**2.79**	**6.29**	**6.63**	**9.54**	—	—	**4.88**	**4.16**
Beryllium	2.72E+01	2.32E+02	NS	**0.275**	**0.264**	<0.0344	<0.0339	<0.0343	<0.0342	—	—	**0.339**	**0.382**
Cadmium	5.09E+01	1.15E+03	NS	<0.0526	<0.0526	**0.718**	**6.02**	**4.51**	**5.21**	—	—	<0.0568	<0.0533
Chromium	NS	NS	NS	**42.5**	**17.7**	**22**	**19.9**	**26.2**	**33.6**	—	—	**36.1**	**58.2 O1**
Cobalt	2.79E+01	3.47E+02	NS	**14.5**	**12.7**	**11.3**	**5.67**	**6.12**	**15.5**	—	—	**9.34**	**16.9 O1**
Copper	1.42E+04	4.67E+04	NS	**54.5 J-**	**35.3 J-**	**22.6 J-**	**13,600**	**15,300**	**28,200**	**3,730**	—	**23.5**	**23.5 O1**
Lead	1.60E+02	3.20E+02	NS	**117 J**	**47.5 J**	**67.4 J**	**826**	**1,010**	**1,830**	**406**	NA*	**47.3**	**10.7**
Nickel	8.63E+01	1.11E+04	NS	**21**	**27.3**	**27.9**	**98.1 J-**	**124 J-**	**174 J-**	**66**	—	**59.1 J-**	**114 J6O1-**
Selenium	1.75E+03	5.84E+03	NS	<0.853	<0.852	<0.835	<0.822	<0.832	<0.831	—	—	<0.922	<0.865
Mercury	4.36E+01	1.87E+02	NS	**0.305**	**1.09**	**0.143**	**0.108**	**0.182**	**0.22**	—	—	**0.133**	**0.163**

Sample ID	2019 RWQCB	2019 RWQCB Direct	SFBR	G-B3-1	G-B3-1	G-B3-1	G-C2-1	G-C2-1	G-C2-1	G-C3-1	G-C3-1	G-C3-1	G-D1-1
Sample Depth (ft bgs)	Direct Contact	Contact Commercial /	Background	3.0	4.0	5.0	1.0	2.0	3.0	1.0	2.0	3.0	1.0
Sample Date	onstruction Worker ESL	Industrial ESLs[1]	Concentration[2]	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/24/2024
METALS - 6010B (mg/kg)													
Arsenic	9.76E-01	3.05E-01	11	**2.88**	—	—	**3.6**	**3.22**	**4.48**	**2.98**	<0.622	**6.22**	**4.66**
Beryllium	2.72E+01	2.32E+02	NS	**0.265**	—	—	**0.25**	<0.034	<0.0334	<0.034	<0.0378	<0.0335	<0.0344
Cadmium	5.09E+01	1.15E+03	NS	<0.0593	—	—	<0.0514	<0.0508	<0.05	<0.0508	<0.0565	<0.0501	<0.0514
Chromium	NS	NS	NS	**44.5**	—	—	**16.2**	**15.4**	**19.8**	**9.41**	**2.3 B**	**11.6**	**21.6**
Cobalt	2.79E+01	3.47E+02	NS	**9.93**	—	—	**7.65**	**5.67**	**6.52**	**5.94**	**5.02**	**7.11**	**7.88**
Copper	1.42E+04	4.67E+04	NS	**14.3**	—	—	**20.8**	**14.8**	**22.2**	**11.1**	<0.48	**141**	**36.4**
Lead	1.60E+02	3.20E+02	NS	**6.8**	—	—	**29**	**16.6**	**23.3**	**19.3**	**3.35**	**73.5**	**110**

Nickel	8.63E+01	1.11E+04	NS	**87.7 J-**	**110**	NA*	**25.7 J-**	**27.1 J-**	**30.9 J-**	**12.4 J-**	<0.158 J-	**18.8 J-**	**28.2**
Selenium	1.75E+03	5.84E+03	NS	<0.961	—	—	<0.834	<0.825	<0.81	<0.825	<0.917	<0.813	<0.834
Mercury	4.36E+01	1.87E+02	NS	**0.123**	—	—	**0.109**	**0.0708**	**0.101**	**0.132**	<0.0216	**0.133**	**0.126**

Sample ID	**2019 RWQCB**	**2019 RWQCB Direct**	**SFBR**	**G-D1-1**	**G-D1-1**	**G-D2-1**	**G-D2-1**	**G-D2-1**	**G-D3-1**	**G-D3-1**	**G-D3-1**	**G-D3-1**	**G-E1-1**
Sample Depth (ft bgs)	**Direct Contact**	**Contact Commercial /**	**Background**	**2.0**	**3.0**	**1.0**	**2.0**	**3.0**	**1.0**	**2.0**	**3.0**	**4.0**	**1.0**
Sample Date	**onstruction Worker ESL**	**Industrial ESLs[1]**	**Concentration[2]**	**5/24/2024**	**5/24/2024**	**5/24/2024**	**5/24/2024**	**5/24/2024**	**5/24/2024**	**5/24/2024**	**5/24/2024**	**5/24/2024**	**5/22/2024**
METALS - 6010B (mg/kg)													
Arsenic	9.76E-01	3.05E-01	11	**5.43**	**8.83**	**6.51**	**9.38**	**5.69**	**5.57**	**13.9**	**19.5**	NA*	<0.591
Beryllium	2.72E+01	2.32E+02	NS	**0.264**	**0.318**	**0.233**	**0.32**	**0.557**	<0.0372	**0.432**	**0.464**	—	<0.0359
Cadmium	5.09E+01	1.15E+03	NS	<0.0523	**0.617**	<0.0545	**0.697**	<0.0519	<0.0556	**0.708**	**2.08**	—	<0.0537
Chromium	NS	NS	NS	**26.8**	**31.3**	**17.8**	**28**	**31.4**	**31.5**	**26.2**	**30.1**	—	**9.5**
Cobalt	2.79E+01	3.47E+02	NS	**9.95**	**10.8**	**5.73**	**8.9**	**9.47**	**13.5**	**9.38**	**12.7**	—	**4.87**
Copper	1.42E+04	4.67E+04	NS	**53.6**	**64.7**	**35.6**	**114**	**35.9**	**32.9**	**32.3**	**57.6**	—	**24.4 J-**
Lead	1.60E+02	3.20E+02	NS	**141**	**103**	**85.5**	**164**	**37.4**	**7.6**	**35.2**	**52.6**	—	**120 J**
Nickel	8.63E+01	1.11E+04	NS	**31.1**	**44.1**	**20.1**	**37.4**	**46**	**39.4**	**38.3**	**45.5**	—	**13.7**
Selenium	1.75E+03	5.84E+03	NS	<0.849	<0.914	<0.884	<0.915	<0.842	<0.902	<0.93	<0.939	—	<0.872
Mercury	4.36E+01	1.87E+02	NS	**0.0899**	**0.173**	**0.151**	**0.197**	**0.0559**	<0.0212	**0.083**	**0.0835**	—	**0.092**

Sample ID	**2019 RWQCB**	**2019 RWQCB Direct**	**SFBR**	**G-E1-1**	**G-E1-1**	**G-E2-1**	**G-E2-1**	**G-E2-1**	**G-E3-1**	**G-E3-1**	**G-E3-1**	**G-E3-1**	**G-F1-1**
Sample Depth (ft bgs)	**Direct Contact**	**Contact Commercial /**	**Background**	**2.0**	**3.0**	**1.0**	**2.0**	**3.0**	**1.0**	**2.0**	**3.0**	**4.0**	**1.0**
Sample Date	**onstruction Worker ESL**	**Industrial ESLs[1]**	**Concentration[2]**	**5/22/2024**	**5/22/2024**	**5/28/2024**	**5/28/2024**	**5/28/2024**	**5/28/2024**	**5/28/2024**	**5/28/2024**	**5/28/2024**	**5/28/2024**
METALS - 6010B (mg/kg)													
Arsenic	9.76E-01	3.05E-01	11	**13.4**	**3.78**	**6.35**	**4.27**	**4.2**	**12.7**	<0.624	**3.56**	**6.39 B**	**3.78**
Beryllium	2.72E+01	2.32E+02	NS	**0.33**	**0.316**	<0.0362	**0.408**	**0.335**	<0.0366	**0.285**	<0.0378	**0.605**	**0.293**
Cadmium	5.09E+01	1.15E+03	NS	<0.0538	<0.0558	<0.0542	<0.054	<0.0536	**5.4**	<0.0568	<0.0566	<0.0563	<0.0551
Chromium	NS	NS	NS	**29.3**	**40.2**	**41.2**	**45.5**	**50.7**	**43.5**	**51**	**45.7**	**65.2**	**45.5**
Cobalt	2.79E+01	3.47E+02	NS	**7.73**	**12.6**	**7.52**	**10.3**	**12.9**	**5.57**	**13.9**	**12.7**	**10.2**	**11.6**
Copper	1.42E+04	4.67E+04	NS	**47.3 J-**	**59 J-**	**30.3**	**26.1**	**23.4**	**209**	**37.5**	**35.9**	**26.2**	**51.2**
Lead	1.60E+02	3.20E+02	NS	**83.5 J**	**98.2 J**	**49.2**	**50.2**	**82.6**	**1,780**	**99.2**	**506**	**26**	**83.9**
Nickel	8.63E+01	1.11E+04	NS	**38.1**	**73.3**	**35.8**	**46.5**	**56.6**	**25.4**	**49.3**	**44.9**	**65.5**	**37.7**
Selenium	1.75E+03	5.84E+03	NS	<0.873	<0.905	<0.879	<0.876	<0.87	<0.888	<0.921	<0.917	<0.913	<0.894
Mercury	4.36E+01	1.87E+02	NS	**0.287**	**0.119**	**0.0679 J-**	**0.103 J-**	**0.0934 J-**	**1.07 J-**	**0.212 J-**	**0.269**	**0.0889**	**0.0838**

Sample ID	**2019 RWQCB**	**2019 RWQCB Direct**	**SFBR**	**G-F1-1**	**G-F1-1**	**G-F1-1**	**G-F2-1**	**G-F2-1**	**G-F2-1**	**G-F3-1**	**G-F3-1**	**G-F3-1**	**G-G1-1**
Sample Depth (ft bgs)	**Direct Contact**	**Contact Commercial /**	**Background**	**2.0**	**3.0**	**4.0**	**1.0**	**2.0**	**3.0**	**1.0**	**2.0**	**3.0**	**1.0**
Sample Date	**onstruction Worker ESL**	**Industrial ESLs[1]**	**Concentration[2]**	**5/28/2024**	**5/28/2024**	**5/28/2024**	**5/29/2024**	**5/29/2024**	**5/29/2024**	**5/23/2024**	**5/23/2024**	**5/23/2024**	**5/29/2024**
METALS - 6010B (mg/kg)													
Arsenic	9.76E-01	3.05E-01	11	**6.51**	**5**	—	<0.619	<0.583	**4.71**	<0.543	<0.694	<0.707	**8.18**
Beryllium	2.72E+01	2.32E+02	NS	**0.292**	**0.308**	—	<0.0376	<0.0355	<0.0371	**0.685**	**0.417**	<0.043	**0.525**
Cadmium	5.09E+01	1.15E+03	NS	**2.1**	**10.3**	—	<0.0562	<0.0531	<0.0555	<0.0493	<0.0631	<0.0643	<0.0554
Chromium	NS	NS	NS	**59**	**93.6**	—	**20.9**	**14.9**	**53.7**	**43.3**	**21.1**	**10.5**	**66.4**
Cobalt	2.79E+01	3.47E+02	NS	**19**	**17.5**	—	**4.12**	**3.4**	**4.36**	**1.92**	<0.109	<0.111	**10**
Copper	1.42E+04	4.67E+04	NS	**81.4**	**256**	—	**33.4**	**12.1**	**136**	**64.1**	**48.4**	**40.1**	**28**
Lead	1.60E+02	3.20E+02	NS	**219**	**194**	**46.8**	**43.3**	**23.5**	**29.6**	**141**	**33**	**16.2**	**12.2**
Nickel	8.63E+01	1.11E+04	NS	**85.9**	**88.2**	**55.1**	**20.3**	**17.9**	**31.9**	**15.6**	**8.01**	**4.52**	**43.9**
Selenium	1.75E+03	5.84E+03	NS	<1.01	<1.02	—	<0.912	<0.861	<0.9	<0.8	<1.02	<1.04	<0.899
Mercury	4.36E+01	1.87E+02	NS	**0.127**	**0.143**	—	<0.0215	<0.0203	**0.128**	<0.0189 J3J6O1	<0.0241	<0.0246	**0.0654**

Sample IDSampl	**2019 RWQCBDirect**	**2019 RWQCB DirectCo**	**SFBRBackground**	**G-G4-1**	**G-G4-1**	**G-G4-1**	**G-G4-1**	**G-H2-1**	**G-H2-1**	**G-H2-1**	**G-H2-1**	**G-H3-1**	**G-H3-1**
				1	2	3	4	1	2	3	4	1	2
Sample Date	**onstruction Worker ESL**	**Industrial ESLs[1]**	**Concentration[2]**	**5/23/2024**	**5/23/2024**	**5/23/2024**	**5/23/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**
METALS - 6010B (mg/kg)													
Arsenic	9.76E-01	3.05E-01	11	**6.56**	**4.96**	<3.08	—	<0.603	**2.94**	**15.1 J**	**5.46**	**2.67**	<0.576
Beryllium	2.72E+01	2.32E+02	NS	**0.863**	<0.0409	<0.188	—	**0.337**	**0.587**	**0.571**	—	**0.408**	**0.494**
Cadmium	5.09E+01	1.15E+03	NS	**7.79**	**9.77**	<0.281	—	**5.9**	**7.58**	**11.4**	—	**0.886**	**0.829**
Chromium	NS	NS	NS	**54.9**	**24.1**	**519**	—	**43.4**	**112**	**77.6**	—	**48.8**	**51.7**
Cobalt	2.79E+01	3.47E+02	NS	**5.13**	**5.37**	**11.6**	—	**15.3**	**9.2**	**2.07**	—	**9.54**	**8.62**
Copper	1.42E+04	4.67E+04	NS	**69.6**	**331**	**210**	—	**78.8**	**204**	**173 J-**	—	**57.5**	**44.6**
Lead	1.60E+02	3.20E+02	NS			**52.7**	—				**53.8**		
Nickel	8.63E+01	1.11E+04	NS	**30.8**	**30.7**	**114**	**52.8**	**61.1**	**77.1**	**22.9**	—	**55.6**	**57.6**
Selenium	1.75E+03	5.84E+03	NS	<0.916	<0.993	<4.54	—	<0.889	**2.81**	**7.42**	—	<0.838	<0.849
Mercury	4.36E+01	1.87E+02	NS	<0.0216	**0.556 J-**	<0.0214	—	**0.206**	**0.0501**	<0.021	—	**0.275**	**0.159**

Sample ID	**2019 RWQCB**	**2019 RWQCB Direct**	**SFBR**	**G-H3-1**	**G-H3-1**	**UC-A2-1**	**UC-A2-1**	**UC-A2-1**	**UC-A3-1**	**UC-A3-1**	**UC-A3-1**	**UC-B4-2**	**UC-B4-2**
Sample Depth (ft bgs)	**Direct Contact**	**Contact Commercial /**	**Background**	**3.0**	**4.0**	**1.0**	**2.0**	**3.0**	**1.0**	**2.0**	**3.0**	**1.0**	**2.0**
Sample Date	**onstruction Worker ESL**	**Industrial ESLs[1]**	**Concentration[2]**	**5/30/2024**	**5/30/2024**	**5/20/2024**	**5/20/2024**	**5/20/2024**	**5/20/2024**	**5/20/2024**	**5/20/2024**	**5/23/2024**	**5/23/2024**
METALS - 6010B (mg/kg)													
Arsenic	9.76E-01	3.05E-01	11	<0.656	—	**8.47**	**3.84**	**4.54**	**10.6**	<0.616	**2.56**	**7.14**	**4.37**
Beryllium	2.72E+01	2.32E+02	NS	**0.271**	—	**0.217**	**0.312**	<0.0355	**0.306**	<0.0374	<0.0364	<0.0345	**1.31**
Cadmium	5.09E+01	1.15E+03	NS	**1.04**	—	**2.3**	**1.17**	<0.0531	<0.0501	<0.056	<0.0544	**0.859**	**14.7**
Chromium	NS	NS	NS	**57.8**	—	**33.5**	**28.7**	**16.9**	**111**	**9.44**	**33.4**	**22**	**103**
Cobalt	2.79E+01	3.47E+02	NS	**8.47**	—	**6.82**	**12.9**	**4.72**	**9.05**	**4.45**	**5.71**	**5.96**	**1.83**
Copper	1.42E+04	4.67E+04	NS	**102**	—	**373 J-**	**209 J-**	**28.1 J-**	**37.2 J+**	**9.51 J-**	**13.9**	**23.3**	**92.7**
Lead	1.60E+02	3.20E+02	NS	**644**	**31.9**			**90.7 J**	**44.4 J**	**11.1 J**	**23.7**		
Nickel	8.63E+01	1.11E+04	NS	**52.2**	—	**59.8**	**53.5**	**21.6**	**86.1 J-**	**14.2**	**29.5**	**20.2**	**19.4**
Selenium	1.75E+03	5.84E+03	NS	<0.967	—	<0.825	<0.837	<0.861	<0.812	<0.908	<0.882	<0.836	<0.933
Mercury	4.36E+01	1.87E+02	NS	**0.215**	—	**0.205**	**0.286**	**0.568**	**0.0721**	**0.0487**	**0.188**	**0.0706 J-**	<0.022

Sample ID	**2019 RWQCB**	**2019 RWQCB Direct**	**SFBR**	**UC-B4-2**	**UC-H1-1**	**UC-H1-1**	**UC-H1-1**
Sample Depth (ft bgs)	**Direct Contact**	**Contact Commercial /**	**Background**	**3.0**	**1.0**	**2.0**	**3.0**
Sample Date	**onstruction Worker ESL**	**Industrial ESLs[1]**	**Concentration[2]**	**5/23/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**
METALS - 6010B (mg/kg)							
Arsenic	9.76E-01	3.05E-01	11	**2.38**	<0.632	<0.593	<0.702
Beryllium	2.72E+01	2.32E+02	NS	<0.0343	**0.388**	**0.348**	**0.856**
Cadmium	5.09E+01	1.15E+03	NS	<0.0513	<0.0574	<0.0539	<0.0638
Chromium	NS	NS	NS	**10.5**	**63**	**51.1**	**89**
Cobalt	2.79E+01	3.47E+02	NS	**7.63**	**13.8**	**11.3**	**15.3**
Copper	1.42E+04	4.67E+04	NS	**25.8**	**28.8**	**33.4**	**44.2**
Lead	1.60E+02	3.20E+02	NS	**50.1**	**35.6 J**	**64 J**	**48.7 J3J5**
Nickel	8.63E+01	1.11E+04	NS	**15.1**	**61.5**	**43.1**	**77.6**
Selenium	1.75E+03	5.84E+03	NS	<0.832	<0.932	<0.875	<1.04
Mercury	4.36E+01	1.87E+02	NS	**0.385**	**0.102**	**0.118**	**0.197**

Sample ID	2019 RWQCB	2019 RWQCB	USEPA	BS-B1-1	BS-B1-1	BS-B1-1	BS-C1-1	BS-C1-1	BS-C1-1	BS-D1-1	BS-D1-1	BS-D1-1	BS-E1-1	BS-E1-1	BS-E1-1	BS-F1-1	BS-F1-1	BS-F1-1	BS-F1-1	BS-G1-1	BS-G1-1	BS-G1-1	BS-I1-1	BS-I1-1	BS-I1-1
Sample Depth (ft bgs)	**Direct Contact**	**Direct Contact**	**Industrial**	**2.0**	**3.0**	**5.0**	**2.0**	**3.0**	**5.0**	**2.0**	**3.0**	**5.0**	**2.0**	**3.0**	**5.0**	**2.0**	**3.0**	**4.0**	**5.0**	**2.0**	**3.0**	**5.0**	**2.0**	**3.0**	**4.0**
Sample Date	**ruction Worker**	**rcial / Industria**	**RSL[2]**	**5/20/2024**	**5/20/2024**	**5/20/2024**	**5/21/2024**	**5/21/2024**	**5/21/2024**	**5/24/2024**	**5/24/2024**	**5/24/2024**	**5/22/2024**	**5/22/2024**	**5/22/2024**	**5/28/2024**	**5/28/2024**	**5/28/2024**	**5/28/2024**	**5/29/2024**	**5/29/2024**	**5/29/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**
ORGANIC COMPOUNDS - 8260B (mg/kg)																									
1,1,1,2-Tetrachloroethane	1.9E+02	8.9E+00	—	<0.00128	<0.00155	<0.00159	<0.00111	<0.0016	<0.00126	<0.00115	<0.00114	<0.00148	<0.0012	<0.00166	<0.00142	<0.00113	<0.00127	<0.00137	<0.00149	<0.00204	<0.00154	<0.00166	<0.00109	<0.0013	<0.00209
1,1,1-Trichloroethane	7.2E+03	7.3E+03	—	<0.00125	<0.00151	<0.00155	<0.00108	<0.00155	<0.00122	<0.00112	<0.00111	<0.00144	**0.00409**	<0.00162	<0.00138	<0.0011	<0.00124	<0.00134	<0.00145	<0.00198	<0.00151	<0.00161	**0.00855**	**0.013**	<0.00203
1,1,2,2-Tetrachloroethane	4.9E+01	2.7E+00	—	<0.00094	<0.00113	<0.00117	<0.00081	<0.00117	<0.000921	<0.000845	<0.000835	<0.00108	<0.000881	<0.00122	<0.00104	<0.000828	<0.000932	<0.00101	<0.00109	<0.00149	<0.00113	<0.00122	<0.000798	<0.00095	<0.00153
1,1,2-Trichloroethane	6.3E+00	5.1E+00	—	<0.000807	<0.000974	<0.001	<0.000696	<0.00101	<0.000791	<0.000726	<0.000717	<0.000931	<0.000757	<0.00105	<0.000894	<0.000711	<0.000801	<0.000865	<0.000937	<0.00128	<0.000973	<0.00104	<0.000685	<0.000816	<0.00131
1,1-Dichloroethane	3.7E+02	1.6E+01	—	<0.000664	<0.000801	<0.000825	<0.000572	<0.000827	<0.000651	<0.000597	<0.00059	<0.000766	<0.000622	<0.000861	<0.000735	<0.000585	<0.000658	<0.000711	<0.000771	<0.00106	<0.0008	<0.000859	<0.000564	<0.000671	<0.00108
1,2,3-Trichlorobenzene	NS	NS	9.3E+02	<0.00991	<0.0119	<0.0123	<0.00854 R	<0.0123 R	<0.00972 R	<0.00892	<0.0088	<0.0114	<0.00929	<0.0129	<0.011	<0.00873	<0.00983	<0.0106	<0.0115	<0.0158	<0.0119	<0.0128	<0.00841	<0.01	<0.0161
1,2,3-Trimethylbenzene	NS	NS	2.0E+03	<0.00214	<0.00257	<0.00265	<0.00184 J4	<0.00266 J4	<0.00209 J4	<0.00192	<0.0019	<0.00246	**0.0341**	**0.0365**	<0.00237	<0.00188	<0.00212	<0.00229	<0.00248	<0.0034	<0.00258	<0.00276	<0.00181	<0.00216	<0.00346
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	—	<0.00595	<0.00718	<0.00739	<0.00513 R	<0.00741 R	<0.00583 R	<0.00535	<0.00528	<0.00686	<0.00558	<0.00772	<0.00659	<0.00524	<0.0059	<0.00637	<0.00691	<0.00947	<0.00717	<0.00769	<0.00505	<0.00602	<0.00965 J3
1,2,4-Trimethylbenzene	NS	NS	1.8E+03	<0.00214	<0.00257	<0.00265	<0.00184 J4	<0.00266 J4	<0.00209 J4	<0.00192	<0.0019	<0.00246	**0.044**	**0.0479**	<0.00237	<0.00188	<0.00212	<0.00229	<0.00248	<0.0034	<0.00258	<0.00276	<0.00181	<0.00216	<0.00346
1,2-Dibromo-3-Chloropropane	1.1E+00	5.9E-02	—	<0.00527	<0.00637	<0.00655	<0.00455	<0.00657	<0.00517	<0.00474	<0.00468	<0.00608	<0.00494	<0.00684	<0.00584	<0.00465	<0.00523	<0.00565	<0.00612	<0.00839	<0.00635	<0.00681	<0.00448	<0.00533	<0.00856
1,2-Dichlorobenzene	7.8E+03	9.4E+03	—	<0.000575	<0.000693	<0.000714	<0.000495	<0.000716	<0.000563	<0.000517	<0.00051	<0.000663	<0.000539	<0.000746	<0.000636	<0.000506	<0.00057	<0.000616	<0.000667	<0.000915	<0.000692	<0.000742	<0.000488	<0.000581	<0.000932
1,2-Dichloroethane	4.5E+01	2.1E+00	—	<0.000878	<0.00106	<0.00109	<0.000757	<0.00109	<0.00086	<0.000789	<0.000779	<0.00101	<0.000823	<0.00114	<0.000972	<0.000773	<0.00087	<0.00094	<0.00102	<0.00139	<0.00106	<0.00113	<0.000745	<0.000887	<0.00142
1,3,5-Trimethylbenzene	NS	NS	1.5E+03	<0.0027	<0.00326	<0.00336	<0.00337 J4R	<0.00265 J4R		<0.00243	<0.0024	<0.00312	**0.0184**	**0.0219**	<0.00299	<0.00238	<0.00268	<0.0029	<0.00314	<0.0043	<0.00326	<0.0035	<0.0023	<0.00273	<0.00439
1,3-Dichlorobenzene	NS	NS	NS	<0.000811	<0.000978	<0.00101	<0.000699	<0.00101	<0.000795	<0.00073	<0.00072	<0.000936	<0.000761	<0.00105	<0.000898	<0.000715	<0.000805	<0.000869	<0.000942	<0.0013	<0.000978	<0.00105	<0.000689	<0.00082	<0.00132
1,4-Dichlorobenzene	2.8E+02	1.2E+01	—	<0.000947	<0.00114	<0.00118	<0.000816	<0.00118	<0.000928	<0.000851	<0.000841	<0.00109	<0.000887	<0.00123	<0.00105	<0.000834	<0.000939	<0.00101	<0.0011	<0.0015	<0.00114	<0.00122	<0.000804	<0.000957	<0.00154
2-Chlorotoluene	NS	NS	2.3E+04	<0.00117	<0.00141	<0.00145	<0.00101	<0.00146	<0.00115	<0.00105	<0.00104	<0.00135	<0.0011	<0.00152	<0.0013	<0.00103	<0.00116	<0.00125	<0.00136	<0.00186	<0.00141	<0.00151	<0.000993	<0.00118	<0.0019
4-Bromofluorobenzene	NS	NS	3.5E+02	**0.0171**	**0.0169**	**0.0169**	**0.0155**	**0.0155**	**0.0158**	**0.0167**	**0.0172**	**0.0166**	**0.0168**	**0.0168**	**0.0166**	**0.0172**	**0.0168**	**0.0168**	**0.0173**	**0.017**	**0.0168**	**0.0169**	**0.0161**	**0.0164**	**0.0165**
4-Chlorotoluene	NS	NS	2.3E+04	<0.000609 J4	<0.000734 J4	<0.000756 J4	<0.000525	<0.000758	<0.000597	<0.000547	<0.00054	<0.000702	<0.00057	<0.000789	<0.000674	<0.000536	<0.000603	<0.000652	<0.000706	<0.000969	<0.000733	<0.000787	<0.000517	<0.000615	<0.000987
Acrylonitrile	NS	NS	1.1E+00	<0.00488	<0.00588	<0.00606	<0.00421	<0.00608	<0.00479	<0.00439	<0.00433	<0.00563	<0.00458	<0.00633	<0.00541	<0.0043	<0.00484	<0.00523	<0.00567	<0.00777	<0.00588	<0.00631	<0.00414	<0.00494	<0.00793
Benzene	3.3E+01	1.4E+00	—	<0.000632	<0.000762	<0.000785	<0.000544	<0.000787	<0.000619	**0.00193**	<0.000561	<0.000728	**0.00958**	**0.0155**	<0.000699	<0.000556	<0.000626	<0.000676	<0.000733	**0.00372**	**0.002**	<0.000816	<0.000536	<0.000639	<0.00102
Bromobenzene	NS	NS	1.8E+03	<0.00122	<0.00147	<0.00151	<0.00105	<0.00152	<0.00119	<0.00109	<0.00108	<0.0014	<0.00114	<0.00158	<0.00135	<0.00107	<0.00121	<0.0013	<0.00141	<0.00193	<0.00146	<0.00157	<0.00103	<0.00123	<0.00198
Chlorobenzene	1.2E+03	1.3E+03	—	<0.000284	<0.000342	<0.000353	<0.000245	<0.000354	<0.000278	<0.000255	<0.000252	<0.000327	<0.000266	<0.000368	<0.000314	<0.00025	<0.000282	<0.000304	<0.00033	<0.000452	<0.000343	<0.000368	<0.000241	<0.000287	<0.000461
Chloroform	3.4E+01	1.4E+00	—	<0.00139	<0.00168	<0.00173	<0.0012	<0.00174	<0.00137	<0.00125	<0.00124	<0.00161	<0.00131	<0.00181	<0.00154	<0.00123	<0.00138	<0.00149	<0.00162	<0.00221	<0.00167	<0.0018	<0.00118	<0.00141	<0.00227
cis-1,2-Dichloroethene	7.8E+01	8.5E+01	—	<0.000993	<0.0012	<0.00123	<0.000856	<0.00124	<0.000973	<0.000893	<0.000881	<0.00114	<0.000931	<0.00129	<0.0011	<0.000874	<0.000984	<0.00106	<0.00115	<0.00158	<0.00119	<0.00128	<0.000843	<0.001	<0.00161
Ethylbenzene	5.4E+02	2.6E+01	—	<0.000997	<0.0012	<0.00124	<0.000859	<0.00124	<0.000977	<0.000896	<0.000885	<0.00115	**0.0114**	**0.0133**	<0.0011	<0.000878	<0.000988	<0.00107	<0.00116	<0.00159	<0.00121	<0.00129	<0.000846	<0.00101	<0.00162
Isopropylbenzene	NS	NS	NS	<0.000575	<0.000693	<0.000714	<0.000495	<0.000716	<0.000563	<0.000517	<0.00051	<0.000663	**0.00392**	**0.00482**	<0.000636	<0.000506	<0.00057	<0.000616	<0.000667	<0.000915	<0.000692	<0.000742	<0.000488	<0.000581	<0.000932
Naphthalene	4.0E+02	1.7E+01	—	<0.0066 J3	<0.00796 J3	<0.0082 J3	<0.00569	<0.00822	<0.00647	**0.0221**	<0.00586	<0.00761	**0.0901**	**0.0956**	<0.00731	**0.0326**	<0.00654	<0.00707	<0.00766	<0.0105	<0.00795	<0.00852	<0.0056	<0.00667	<0.0107 J3
n-Butylbenzene	NS	NS	5.8E+04	<0.0071	<0.00856	<0.00882	<0.00612	<0.00884	<0.00696	<0.00639	<0.0063	<0.00819	<0.00666	<0.00921	<0.00786	<0.00625	<0.00704	<0.00761	<0.00824	<0.0113	<0.00855	<0.00917	<0.00603	<0.00718	<0.0115
n-Propylbenzene	NS	NS	2.4E+04	<0.00128	<0.00155	<0.0016	<0.00111	<0.0016	<0.00126	<0.00116	<0.00114	<0.00148	**0.00805**	**0.00939**	<0.00142	<0.00113	<0.00127	<0.00138	<0.00149	**0.0166**	<0.00155	<0.00166	<0.00109	<0.0013	<0.00209
p-Isopropyltoluene	NS	NS	NS	<0.00345	<0.00415	<0.00428	<0.00297	<0.0043	<0.00338	<0.0031	<0.00306	<0.00398	**0.0231**	**0.0261**	<0.00382	<0.00304	<0.00342	<0.00369	<0.004	<0.00549	<0.00415	<0.00446	<0.00293	<0.00349	<0.0056
sec-Butylbenzene	NS	NS	1.2E+05	<0.00389	<0.0047	<0.00484	<0.00336	<0.00485	<0.00382	<0.0035	<0.00346	<0.00449	<0.00365	<0.00505	<0.00431	<0.00343	<0.00386	<0.00417	<0.00452	<0.0062	<0.00469	<0.00503	<0.00331	<0.00394	<0.00631
Styrene	2.5E+04	3.3E+04	—	<0.00031	<0.000373	<0.000385	<0.000267	<0.000386	<0.000304	<0.000279	<0.000275	<0.000357	<0.00029	<0.000402	<0.000343	<0.000273	<0.000307	<0.000332	<0.000359	<0.000493	<0.000373	<0.000399	<0.000263	<0.000313	<0.000502
tert-Butylbenzene	NS	NS	1.2E+05	<0.00264	<0.00318	<0.00328	<0.00227	<0.00328	<0.00258	<0.00237	<0.00234	<0.00304	<0.00247	<0.00342	<0.00292	<0.00232	<0.00262	<0.00282	<0.00306	<0.00419	<0.00318	<0.00341	<0.00224	<0.00267	<0.00428
Tetrachloroethene	3.3E+01	2.7E+00	—	<0.00121	<0.00146	<0.00151	<0.00104	<0.00151	<0.00119	<0.00109	<0.00108	<0.0014	<0.00114	<0.00157	<0.00134	**0.00966**	<0.0012	<0.0013	<0.00141	**0.0368**	**0.0204**	**0.0388**	<0.00103	<0.00123	<0.00196
Toluene	4.7E+03	5.3E+03	—	<0.00176	<0.00212	<0.00218	<0.00152	<0.00219	<0.00172	<0.00158	<0.00156	<0.00203	**0.0271**	**0.0393**	<0.00195	<0.00155	<0.00174	<0.00188	<0.00204	<0.0028	<0.00212	<0.00226	<0.00149	<0.00178	<0.00285
Trichloroethene	1.8E+01	6.1E+00	—	<0.00079	<0.000952	<0.000981	<0.000681	<0.000984	<0.000774	<0.00071	<0.000701	<0.000911	<0.00074	<0.00102	<0.000874	<0.000696	<0.000783	<0.000846	<0.000917	<0.00126	<0.000952	<0.00102	<0.00067	<0.000799	<0.00128
Xylenes, Total	2.4E+03	2.5E+03	—	<0.00119	<0.00143	<0.00148	<0.00103	<0.00148	<0.00117	<0.00107	<0.00106	<0.00137	**0.103**	**0.117**	<0.00132	<0.00105	<0.00118	<0.00127	<0.00138	<0.0019	**0.02**	<0.00154	<0.00101	<0.0012	<0.00192

Sample ID	2019 RWQCB	2019 RWQCB	USEPA	G/UC-I1-1	G/UC-I1-1	G/UC-I1-1	G/UC-I1-1	G/UC-I2-1	G/UC-I2-1	G/UC-I2-1	G/UC-I2-1	G/UC-I2-1	G/UC-I3-1	G/UC-I3-1	G/UC-I3-1	G/UC-I3-1	G/UC-I3-1	G/UC-I4-1	G/UC-I4-1	G/UC-I4-1	G/UC-I4-1	G/UC-I4-1	G-A1-1	G-A1-1	G-A1-1	G-B2-1
Sample Depth (ft bgs)	**Direct Contact**	**Direct Contact**	**Industrial**	**4.0**	**5.0**	**8.0**	**10.0**	**2.0**	**4.0**	**5.0**	**8.0**	**10.0**	**2.0**	**4.0**	**5.0**	**8.0**	**10.0**	**2.0**	**4.0**	**5.0**	**8.0**	**10.0**	**2.0**	**3.0**	**5.0**	**2.0**
Sample Date	**ruction Worker**	**rcial / Industria**	**RSL[2]**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/20/2024**	**5/20/2024**	**5/20/2024**	**5/21/2024**
ORGANIC COMPOUNDS - 8260B (mg/kg)																										
1,1,1,2-Tetrachloroethane	1.9E+02	8.9E+00	—	<0.00172	<0.00159	<0.0014	<0.00118	<0.00116	<0.002	<0.0016	<0.00156	<0.00138	<0.00148	<0.00154	<0.00134	<0.00163	<0.00162	<0.00114	<0.00143	<0.0014	<0.00145	<0.0017	<0.00117	<0.00127	<0.00139	<0.00112
1,1,1-Trichloroethane	7.2E+03	7.3E+03	—	<0.00167	<0.00155	<0.00136	<0.00115	<0.00113	<0.00195	<0.00156	<0.00152	<0.00135	<0.00144	<0.00151	<0.00131	<0.00158	<0.00158	<0.00111	<0.00139	<0.00136	<0.00141	<0.00166	<0.00114	<0.00123	<0.00136	<0.00109
1,1,2,2-Tetrachloroethane	4.9E+01	2.7E+00	—	<0.00126	<0.00116	<0.00102	<0.000866	<0.000852	<0.00146	<0.00117	<0.00114	<0.00101	<0.00108	<0.00113	<0.000985	<0.00119	<0.00119	<0.000837	<0.00105	<0.00102	<0.00106	<0.00125	<0.000861	<0.000931	<0.00102	<0.000819
1,1,2-Trichloroethane	6.3E+00	5.1E+00	—	<0.00108	<0.001	<0.00088	<0.000744	<0.000732	<0.00126	<0.00101	<0.00098	<0.000871	<0.000931	<0.00097	<0.000846	<0.00102	<0.00102	<0.000719	<0.000901	<0.000879	<0.000914	<0.00107	<0.000739	<0.0008	<0.000878	<0.000704
1,1-Dichloroethane	3.7E+02	1.6E+01	—	<0.000892	<0.000823	<0.000724	<0.000612	<0.000602	<0.00103	<0.000828	<0.000806	<0.000717	<0.000766	<0.000797	<0.000696	<0.000842	<0.00084	<0.000591	<0.000741	<0.000723	<0.000752	<0.000881	<0.000608	<0.000658	<0.000722	<0.000579
1,2,3-Trichlorobenzene	NS	NS	9.3E+02	<0.0133	<0.0123	<0.0108	<0.00914	<0.00899	<0.0154	<0.0124	<0.012	<0.0107	<0.0114	<0.0119	<0.0104	<0.0126	<0.0125	<0.00882	<0.0111	<0.0108	<0.0112	<0.0132	<0.00908	<0.00982	<0.0108	<0.00864 R
1,2,3-Trimethylbenzene	NS	NS	2.0E+03	<0.00287	<0.00265	<0.00233	<0.00197	<0.00194	<0.00333	<0.00266	<0.00259	<0.00231	<0.00246	<0.00257	<0.00224	<0.00271	<0.0027	<0.0019	**0.0228**	<0.00233	<0.00242	<0.00284	<0.00196	<0.00212	<0.00232	<0.00186 J4
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	—	<0.00799	<0.00737	<0.00649	<0.00549	<0.00539	<0.00926 J3	<0.00742	<0.00722 J3	<0.00642	<0.00686	<0.00715 J3	<0.00624	<0.00754 J3	<0.00753	<0.0053	<0.00664 J3	<0.00648	<0.00674 J3	<0.0079	<0.00545	<0.0059	<0.00647	<0.00519 R
1,2,4-Trimethylbenzene	NS	NS	1.8E+03	<0.00287	<0.00265	<0.00233	<0.00197	<0.00194	<0.00333	<0.00266	<0.00259	<0.00231	<0.00246	<0.00257	<0.00224	<0.00271	<0.0027	<0.0019	**0.0869**	<0.00233	<0.00242	<0.00284	<0.00196	<0.00212	<0.00232	<0.00186 J4
1,2-Dibromo-3-Chloropropane	1.1E+00	5.9E-02	—	<0.00709	<0.00654	<0.00575	<0.00486	<0.00478	<0.00821	<0.00658	<0.0064	<0.00569	<0.00608	<0.00633	<0.00553	<0.00669	<0.00667	<0.00469	<0.00588	<0.00574	<0.00597	<0.007	<0.00483	<0.00523	<0.00574	<0.0046
1,2-Dichlorobenzene	7.8E+03	9.4E+03	—	<0.000772	<0.000712	<0.000627	<0.00053	<0.000521	<0.000895	<0.000717	<0.000698	<0.00062	<0.000663	<0.000691	<0.000602	<0.000729	<0.000727	<0.000512	**0.0225**	<0.000626	<0.000651	<0.000763	<0.000526	<0.00057	<0.000625	<0.000501
1,2-Dichloroethane	4.5E+01	2.1E+00	—	<0.00118	<0.00109	<0.000957	<0.000809	<0.000796	<0.00137	<0.00109	<0.00107	<0.000947	<0.00101	<0.00105	<0.00092	<0.00111	<0.00111	<0.000781	<0.000979	<0.000956	<0.000993	<0.00117	<0.000804	<0.00087	<0.000955	<0.000765
1,3,5-Trimethylbenzene	NS	NS	1.5E+03	<0.00363	<0.00335	<0.00295	<0.00249	<0.00245	<0.00421	<0.00337	<0.00328	<0.00292	<0.00312	<0.00325	<0.00283	<0.00343	<0.00342	<0.00241	**0.0269**	<0.00294	<0.00306	<0.00359	<0.00248	<0.00268	<0.00294	<0.00236 J4R
1,3-Dichlorobenzene	NS	NS	NS	<0.00109	<0.00101	<0.000885	<0.000748	<0.000736	<0.00126	<0.00101	<0.000985	<0.000876	<0.000936	<0.000974	<0.00085	<0.00103	<0.00103	<0.000722	<0.000905	<0.000883	<0.000918	<0.00108	<0.000743	<0.000804	<0.000883	<0.000707
1,4-Dichlorobenzene	2.8E+02	1.2E+01	—	<0.00127	<0.00117	<0.00103	<0.000873	<0.000858	<0.00147	<0.00118	<0.00115	<0.00102	<0.00109	<0.00114	<0.000992	<0.0012	<0.0012	<0.000843	**0.0175**	<0.00103	<0.00107	<0.00126	<0.000867	<0.000938	<0.00103	<0.000825
2-Chlorotoluene	NS	NS	2.3E+04	<0.00157	<0.00145	<0.00128	<0.00108	<0.00106	<0.00183	<0.00146	<0.00142	<0.00126	<0.00135	<0.00141	<0.00123	<0.00148	<0.00148	<0.00104	<0.0013	<0.00127	<0.00132	<0.00155	<0.00107	<0.00116	<0.00127	<0.00102
4-Bromofluorobenzene	NS	NS	3.5E+02	**0.0154**	**0.017**	**0.0153**	**0.0167**	**0.0158**	**0.0168**	**0.0152**	**0.0172**	**0.0153**	**0.017**	**0.0169**	**0.0167**	**0.0166**	**0.017**	**0.016**	**0.0171**	**0.0165**	**0.017**	**0.0167**	**0.0167**	**0.0167**	**0.0169**	**0.016**
4-Chlorotoluene	NS	NS	2.3E+04	<0.000817	<0.000754	<0.000664	<0.000561	<0.000552	<0.000948	<0.000759	<0.000739	<0.000657	<0.000702	<0.000731	<0.000638	<0.000772	<0.00077	<0.000542	<0.000679	<0.000663	<0.000689	<0.000808	<0.000603 J4	<0.000662 J4		<0.00053
Acrylonitrile	NS	NS	1.1E+00	<0.00655	<0.00605	<0.00532	<0.0045	<0.00443	<0.00761	<0.00609	<0.00593	<0.00527	<0.00563	<0.00586	<0.00512	<0.00619	<0.00618	<0.00435	<0.00545	<0.00532	<0.00553	<0.00648	<0.00447	<0.00484	<0.00531	<0.00425
Benzene	3.3E+01	1.4E+00	—	<0.000848	<0.000783	<0.000689	<0.000582	<0.000572	<0.000984	<0.000788	<0.000767	<0.000682	<0.000728	<0.000759	<0.000662	<0.000801	<0.000799	<0.000562	**0.00241**	<0.000688	<0.000715	<0.000838	<0.000578	<0.000625	<0.000687	<0.00055
Bromobenzene	NS	NS	1.8E+03	<0.00164	<0.00151	<0.00133	<0.00112	<0.0011	<0.00189	<0.00152	<0.00148	<0.00131	<0.0014	<0.00146	<0.00128	<0.00154	<0.00154	<0.00108	<0.00136	<0.00133	<0.00138	<0.00162	<0.00111	<0.00121	<0.00132	<0.00106
Chlorobenzene	1.2E+03	1.3E+03	—	<0.000381	<0.000352	<0.00031	<0.000262	<0.000257	<0.000443	<0.000354	<0.000345	<0.000307	<0.000327	<0.000341	<0.000298	<0.00036	<0.000359	<0.000253	<0.000317	<0.000309	<0.000321	<0.000377	<0.00026	<0.000281	<0.000309	<0.000248
Chloroform	3.4E+01	1.4E+00	—	<0.00186	<0.00173	<0.00152	<0.00128	<0.00126	<0.00217	<0.00174	<0.00169	<0.0015	<0.00161	<0.00167	<0.00146	<0.00177	<0.00176	<0.00124	<0.00155	<0.00152	<0.00158	<0.00185	<0.00128	<0.00137	<0.00152	<0.00121
cis-1,2-Dichloroethene	7.8E+01	8.5E+01	—	<0.00133	<0.00123	<0.00108	<0.000915	<0.0009	<0.00155	<0.00124	<0.0012	<0.00107	<0.00114	<0.00119	<0.00104	<0.00126	<0.00126	<0.000884	<0.00111	<0.00108	<0.00112	<0.00132	**0.018**	**0.011**	**0.0143**	<0.000865
Ethylbenzene	5.4E+02	2.6E+01	—	<0.00134	<0.00123	<0.00109	<0.000919	<0.000903	<0.00155	<0.00124	<0.00121	<0.00108	<0.00115	<0.0012	<0.00104	<0.00126	<0.00126	<0.000887	**0.00674**	<0.00109	<0.00113	<0.00132	<0.000913	<0.000987	<0.00108	<0.000869
Isopropylbenzene	NS	NS	NS	<0.000772	<0.000712	<0.000627	<0.00053	<0.000521	<0.000895	<0.000717	<0.000698	<0.00062	<0.000663	<0.000691	<0.000602	<0.000729	<0.000727	<0.000512	<0.000641	<0.000626	<0.000651	<0.000763	<0.000526	<0.00057	<0.000625	<0.000501
Naphthalene	4.0E+02	1.7E+01	—	<0.00887	<0.00818	<0.0072	<0.00608	<0.00598	<0.0103 J3	<0.00823	<0.00801 J3	<0.00712	**0.0644**	<0.00793 J3	<0.00692	<0.00837 J3	<0.00835	**0.0165**	**0.03 J3**	<0.00719	<0.00747 J3	<0.00876	<0.00604 J3	<0.00653 J3	<0.00718 J3	<0.00575
n-Butylbenzene	NS	NS	5.8E+04	<0.00954	<0.0088	<0.00774	<0.00654	<0.00644	<0.0111	<0.00885	<0.00862	<0.00766	<0.00819	<0.00853	<0.00744	<0.009	<0.00898	<0.00632	<0.00792	<0.00773	<0.00804	<0.00942	<0.0065	<0.00704	<0.00772	<0.00619
n-Propylbenzene	NS	NS	2.4E+04	<0.00172	<0.00159	<0.0014	<0.00118	<0.00116	<0.002	<0.0016	<0.00156	<0.00139	<0.00148	<0.00155	<0.00135	<0.00163	<0.00163	<0.00114	**0.014**	<0.0014	<0.00145	<0.00171	<0.00118	<0.00127	<0.0014	<0.00112
p-Isopropyltoluene	NS	NS	NS	<0.00464	<0.00427	<0.00376	<0.00318	<0.00313	<0.00538	<0.0043	<0.00419	<0.00372	<0.00398	<0.00415	<0.00361	<0.00437	<0.00436	<0.00307	<0.00385	<0.00375	<0.0039	<0.00458	<0.00316	<0.00342	<0.00375	<0.00301
sec-Butylbenzene	NS	NS	1.2E+05	<0.00524	<0.00483	<0.00425	<0.00359	<0.00353	<0.00607	<0.00486	<0.00473	<0.0042	<0.00449	<0.00468	<0.00408	<0.00494	<0.00493	<0.00347	<0.00434	<0.00424	<0.00441	<0.00517	<0.00357	<0.00385	<0.00424	<0.00339
Styrene	2.5E+04	3.3E+04	—	<0.000415	<0.000384	<0.000338	<0.000285	<0.000281	<0.000482	<0.000386	<0.000376	<0.000334	<0.000357	<0.000372	<0.000325	<0.000393	<0.000392	<0.000276	<0.000345	<0.000337	<0.000351	<0.000411	<0.000284	<0.000307	<0.000337	<0.00027
tert-Butylbenzene	NS	NS	1.2E+05	<0.00354	<0.00327	<0.00288	<0.00243	<0.00239	<0.00411	<0.00329	<0.0032	<0.00285	<0.00304	<0.00317	<0.00276	<0.00334	<0.00334	<0.00235	<0.00294	<0.00287	<0.00299	<0.0035	<0.00242	<0.00261	<0.00287	<0.0023
Tetrachloroethene	3.3E+01	2.7E+00	—	<0.00162	<0.0015	<0.00132	<0.00112	<0.0011	<0.00189	<0.00151	<0.00147	<0.00131	<0.0014	<0.00146	<0.00127	<0.00154	<0.00153	<0.00108	<0.00135	<0.00132	<0.00137	<0.00161	<0.00111	<0.0012	<0.00132	<0.00106
Toluene	4.7E+03	5.3E+03	—	**0.0103**	<0.00218	<0.00192	<0.00162	<0.00159	<0.00274	<0.00219	<0.00213	<0.0019	<0.00203	<0.00211	<0.00184	<0.00223	<0.00222	<0.00156	**0.0119**	<0.00191	<0.00199	<0.00233	<0.00161	<0.00174	<0.00191	<0.00153
Trichloroethene	1.8E+01	6.1E+00	—	<0.00106	<0.000979	<0.000861	<0.000728	<0.000716	<0.00123	<0.000985	<0.000959	<0.000852	<0.000911	<0.000948	<0.000828	<0.001	<0.000999	<0.000703	<0.000881	<0.00086	<0.000894	<0.00105	**0.0114**	**0.0102**	**0.00771**	<0.000688
Xylenes, Total	2.4E+03	2.5E+03	—	**0.0185**	<0.00147	<0.0013	<0.0011	<0.00108	<0.00186	<0.00148	<0.00144	<0.00128	**0.012**	<0.00143	<0.00125	<0.00151	<0.00151	<0.00106	**0.0637**	<0.0013	<0.00135	<0.00158	<0.00109	<0.00118	<0.00129	<0.00104

Sample ID	2019 RWQCB	2019 RWQCB	USEPA	G-B2-1	G-B2-1	G-B3-1	G-B3-1	G-B3-1	G-B3-1	G-C2-1	G-C2-1	G-C2-1	G-C3-1	G-C3-1	G-C3-1	G-D1-1	G-D1-1	G-D1-1	G-D2-1	G-D2-1	G-D2-1	G-D3-1	G-D3-1	G-D3-1	G-E1-1	G-E1-1
Sample Depth (ft bgs)	**Direct Contact**	**Direct Contact**	**Industrial**	**3.0**	**5.0**	**2.0**	**3.0**	**4.0**	**5.0**	**2.0**	**3.0**	**5.0**	**2.0**	**3.0**	**5.0**	**2.0**	**3.0**	**5.0**	**2.0**	**3.0**	**5.0**	**2.0**	**3.0**	**5.0**	**2.0**	**3.0**
Sample Date	**ruction Worker**	**rcial / Industria**	**RSL[2]**	**5/21/2024**	**5/21/2024**	**5/21/2024**	**5/21/2024**	**5/21/2024**	**5/21/2024**	**5/21/2024**	**5/21/2024**	**5/21/2024**	**5/21/2024**	**5/21/2024**	**5/21/2024**	**5/24/2024**	**5/24/2024**	**5/24/2024**	**5/24/2024**	**5/24/2024**	**5/24/2024**	**5/24/2024**	**5/24/2024**	**5/24/2024**	**5/22/2024**	**5/22/2024**
ORGANIC COMPOUNDS - 8260B (mg/kg)																										
1,1,1,2-Tetrachloroethane	1.9E+02	8.9E+00	—	<0.00113	<0.00144	<0.00121	<0.0015	<0.00119	<0.00161	<0.00113	<0.00107	<0.00151	<0.00137	<0.00107	<0.00177	<0.00116	<0.0107	<0.00129	<0.00134	<0.00115	<0.00119	<0.00139	<0.00139	<0.00173	<0.00125	<0.00132
1,1,1-Trichloroethane	7.2E+03	7.3E+03	—	<0.0011	<0.0014	<0.00118	<0.00146	<0.00116	<0.00157	<0.0011	<0.00104	<0.00147	<0.00134	<0.00104	<0.00172	<0.00113	<0.0105	<0.00126	<0.00131	<0.00112	<0.00116	<0.00136	<0.00135	<0.00169	<0.00122	<0.00128
1,1,2,2-Tetrachloroethane	4.9E+01	2.7E+00	—	<0.000829	<0.00106	<0.000889	<0.0011	<0.000872	<0.00118	<0.00083	<0.000784	<0.00111	<0.00101	<0.000787	<0.0013	<0.000851	<0.00788	<0.000947	<0.000984	<0.000841	<0.00087	<0.00102	<0.00102	<0.00127	<0.00092	<0.000966
1,1,2-Trichloroethane	6.3E+00	5.1E+00	—	<0.000712	<0.000908	<0.000764	<0.000945	<0.000749	<0.00102	<0.000713	<0.000674	<0.000953	<0.000865	<0.000676	<0.00111	<0.000731	<0.00678	<0.000813	<0.000845	<0.000722	<0.000747	<0.000878	<0.000875	<0.00109	<0.00079	<0.00083
1,1-Dichloroethane	3.7E+02	1.6E+01	—	<0.000586	<0.000747	<0.000628	<0.000777	<0.000616	<0.000836	<0.000586	<0.000554	<0.000784	<0.000711	<0.000556	<0.000915	<0.000601	<0.00557	<0.000669	<0.000695	<0.000594	<0.000615	<0.000722	<0.00072	**0.00919**	<0.00065	<0.000683
1,2,3-Trichlorobenzene	NS	NS	9.3E+02	<0.00874 R	<0.0111	<0.00938 R	<0.0116 R	<0.00919	<0.0125 R	<0.00875 R	<0.00827	<0.0117 R	<0.0106 R	<0.0083	<0.0137	<0.00898	<0.0831	<0.00999	<0.0104	<0.00887	<0.00918	<0.0108	<0.0107	<0.0134	<0.0097	<0.0102
1,2,3-Trimethylbenzene	NS	NS	2.0E+03	<0.00188 J4	<0.0024	<0.00202 J4	<0.0025 J4	<0.00198	<0.00269 J4	<0.00189 J4	<0.00178	<0.00252 J4	<0.00229 J4	<0.00179	<0.00295	<0.00193	<0.0179	<0.00215	**0.0477**	<0.00191	<0.00198	<0.00232	<0.00232	**0.0356**	<0.00209	<0.0022
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	—	<0.00525 R	<0.00669	<0.00563 R	<0.00697 R	<0.00552	<0.00749 R	<0.00525 R	<0.00496	<0.00702 R	<0.00637 R	<0.00498	<0.0082	<0.00539	<0.0499	<0.006	<0.00623	<0.00532	<0.00551	<0.00647	<0.00645	<0.00805	<0.00582	<0.00612
1,2,4-Trimethylbenzene	NS	NS	1.8E+03	<0.00188 J4	<0.0024	<0.00202 J4	<0.0025 J4	<0.00198	<0.00269 J4	<0.00189 J4	<0.00178	<0.00252 J4	<0.00229 J4	<0.00179	<0.00295	<0.00193	<0.0179	<0.00215	**0.0354**	<0.00191	<0.00198	<0.00232	<0.00232	**0.0769**	<0.00209	<0.0022
1,2-Dibromo-3-Chloropropane	1.1E+00	5.9E-02	—	<0.00465	<0.00593	<0.00499	<0.00618	<0.00489	<0.00664	<0.00465	<0.0044	<0.00623	<0.00565	<0.00441	<0.00727	<0.00478	<0.0442	<0.00531	<0.00552	<0.00472	<0.00488	<0.00573	<0.00572	<0.00714	<0.00516	<0.00542
1,2-Dichlorobenzene	7.8E+03	9.4E+03	—	<0.000507	<0.000646	<0.000544	<0.000673	<0.000533	<0.000723	<0.000507	<0.00048	<0.000679	<0.000616	<0.000481	<0.000792	<0.00052	<0.00482	<0.000579	<0.000602	<0.000514	<0.000532	<0.000625	<0.000623	<0.000777	<0.000563	<0.000591
1,2-Dichloroethane	4.5E+01	2.1E+00	—	<0.000774	<0.000987	<0.000831	<0.00103	<0.000814	<0.0011	<0.000775	<0.000732	<0.00104	<0.00094	<0.000735	<0.00121	<0.000795	<0.00736	<0.000884	<0.000919	<0.000785	<0.000813	<0.000954	<0.000952	<0.00119	<0.000859	<0.000902
1,3,5-Trimethylbenzene	NS	NS	1.5E+03	<0.00239 J4R	<0.00304	<0.00256 J4R	<0.00317 J4R	<0.00251	<0.0034 J4R	<0.00239 J4R	<0.00226	<0.00319 J4R	<0.0029 J4R	<0.00226	<0.00373	<0.00245	<0.0227	<0.00273	**0.00943**	<0.00242	<0.0025	<0.00294	<0.00293	**0.0303**	<0.00265	<0.00278
1,3-Dichlorobenzene	NS	NS	NS	<0.000716	<0.000913	<0.000768	<0.00095	<0.000753	<0.00102	<0.000716	<0.000677	<0.000958	<0.000869	<0.000679	<0.00112	<0.000735	<0.0068	<0.000818	<0.000849	<0.000726	<0.000751	<0.000882	<0.00088	<0.0011	<0.000794	<0.000834
1,4-Dichlorobenzene	2.8E+02	1.2E+01	—	<0.000835	<0.00106	<0.000896	<0.00111	<0.000878	<0.00119	<0.000836	<0.00079	<0.00112	<0.00101	<0.000792	<0.0013	<0.000857	<0.00794	<0.000954	<0.000991	<0.000847	<0.000876	<0.00103	<0.00103	<0.00128	<0.000927	<0.000973
2-Chlorotoluene	NS	NS	2.3E+04	<0.00103	<0.00132	<0.00111	<0.00137	<0.00109	<0.00147	<0.00103	<0.000976	<0.00138	<0.00125	<0.000979	<0.00161	<0.00106	<0.00981	<0.00118	<0.00122	<0.00105	<0.00108	<0.00127	<0.00127	<0.00158	<0.00115	<0.0012
4-Bromofluorobenzene	NS	NS	3.5E+02	**0.0156**	**0.0169**	**0.0157**	**0.0158**	**0.0168**	**0.0154**	**0.0158**	**0.0168**	**0.0154**	**0.0157**	**0.017**	**0.0166**	**0.0165**	**0.0169**	**0.016**	**0.0178**	**0.0168**	**0.0168**	**0.0163**	**0.0163**	**0.0165**	**0.0167**	**0.0165**
4-Chlorotoluene	NS	NS	2.3E+04	<0.000537	<0.000684	<0.000576	<0.000713	<0.000564	<0.000766	<0.000537	<0.000508	<0.000718	<0.000652	<0.000509	<0.000839	<0.000551	<0.0051	<0.000613	<0.000637	<0.000544	<0.000563	<0.000662	<0.00066	<0.000823	<0.000596	<0.000626
Acrylonitrile	NS	NS	1.1E+00	<0.00431	<0.00549	<0.00462	<0.00572	<0.00453	<0.00614	<0.00431	<0.00407	<0.00576	<0.00523	<0.00409	<0.00672	<0.00442	<0.041	<0.00492	<0.00511	<0.00437	<0.00452	<0.00531	<0.00529	<0.00661	<0.00478	<0.00502
Benzene	3.3E+01	1.4E+00	—	<0.000557	<0.00071	<0.000598	<0.000739	<0.000586	<0.000795	<0.000557	<0.000527	<0.000746	<0.000677	<0.000529	**0.00321**	<0.000572	<0.0053	<0.000636	**0.00815**	**0.00381**	<0.000585	**0.00272**	<0.000685	**0.0402**	<0.000618	<0.000649
Bromobenzene	NS	NS	1.8E+03	<0.00107	<0.00137	<0.00115	<0.00143	<0.00113	<0.00153	<0.00107	<0.00102	<0.00144	<0.0013	<0.00102	<0.00168	<0.0011	<0.0102	<0.00123	<0.00127	<0.00109	<0.00113	<0.00132	<0.00132	<0.00165	<0.00119	<0.00125
Chlorobenzene	1.2E+03	1.3E+03	—	<0.00025	<0.000319	<0.000269	<0.000333	<0.000263	<0.000357	<0.000251	<0.000237	<0.000335	<0.000304	<0.000238	<0.000391	<0.000257	<0.00238	**0.00962**	<0.000297	<0.000254	<0.000263	<0.000309	<0.000308	**0.00539**	<0.000278	<0.000292
Chloroform	3.4E+01	1.4E+00	—	<0.00123	<0.00157	<0.00132	<0.00163	<0.00129	<0.00175	<0.00123	<0.00116	<0.00164	<0.00149	<0.00117	<0.00193	<0.00126	<0.0117	<0.0014	<0.00146	<0.00125	<0.00129	<0.00151	<0.00151	<0.00188	<0.00136	<0.00143
cis-1,2-Dichloroethene	7.8E+01	8.5E+01	—	<0.000875	<0.00112	<0.000939	<0.00116	<0.000921	<0.00125	<0.000876	<0.000828	<0.00117	<0.00106	<0.000831	<0.00137	<0.000899	<0.00832	<0.001	<0.00104	<0.000888	<0.000919	<0.00108	<0.00108	<0.00134	<0.000972	<0.00102
Ethylbenzene	5.4E+02	2.6E+01	—	<0.000879	<0.00112	<0.000943	<0.00117	<0.000924	<0.00125	<0.00088	<0.000832	<0.00118	<0.00107	<0.000834	<0.00137	<0.000902	<0.00836	<0.001	**0.0204**	**0.00773**	<0.000923	<0.00108	<0.00108	**0.0473**	<0.000976	<0.00102
Isopropylbenzene	NS	NS	NS	<0.000507	<0.000646	<0.000544	<0.000673	<0.000533	<0.000723	<0.000507	<0.00048	<0.000679	<0.000616	<0.000481	<0.000792	<0.00052	<0.00482	<0.000579	**0.00453**	<0.000514	<0.000532	<0.000625	<0.000623	**0.00626**	<0.000563	<0.000591
Naphthalene	4.0E+02	1.7E+01	—	**0.0197**	<0.00742	<0.00624	<0.00773	<0.00612	<0.00831	<0.00582	<0.00551	<0.00779	<0.00707	<0.00552	<0.0091	**0.0167**	<0.0553	<0.00665	**0.485**	**0.0288**	<0.00611	**0.0276**	<0.00716	**0.101**	<0.00646	<0.00679
n-Butylbenzene	NS	NS	5.8E+04	<0.00626	<0.00799	<0.00672	<0.00831	<0.00659	<0.00894	<0.00627	<0.00592	<0.00838	<0.00761	<0.00594	<0.00978	<0.00643	<0.0595	<0.00715	**0.0239**	<0.00635	<0.00657	<0.00772	<0.0077	<0.0096	<0.00695	<0.0073
n-Propylbenzene	NS	NS	2.4E+04	<0.00113	<0.00145	<0.00122	<0.0015	<0.00119	<0.00162	<0.00113	<0.00107	<0.00152	<0.00138	<0.00108	<0.00177	<0.00116	<0.0108	<0.00129	**0.0117**	<0.00115	<0.00119	<0.0014	<0.00139	**0.022**	<0.00126	<0.00132
p-Isopropyltoluene	NS	NS	NS	<0.00304	<0.00388	<0.00326	<0.00404	<0.0032	<0.00434	<0.00304	<0.00288	<0.00407	<0.00369	<0.00289	<0.00475	<0.00312	<0.0289	<0.00347	**0.0163**	<0.00308	<0.00319	<0.00375	<0.00374	**0.109**	<0.00338	<0.00355
sec-Butylbenzene	NS	NS	1.2E+05	<0.00344	<0.00438	<0.00369	<0.00456	<0.00361	<0.0049	<0.00344	<0.00325	<0.0046	<0.00417	<0.00326	<0.00537	<0.00353	<0.0326	<0.00392	**0.0181**	<0.00348	<0.00361	<0.00423	<0.00422	<0.00527	<0.00381	<0.004
Styrene	2.5E+04	3.3E+04	—	<0.000273	<0.000348	<0.000293	<0.000363	<0.000287	<0.00039	<0.000273	<0.000258	<0.000366	<0.000332	<0.000259	<0.000427	<0.00028	<0.00259	<0.000312	<0.000324	<0.000277	<0.000287	<0.000337	<0.000336	<0.000419	<0.000303	<0.000318
tert-Butylbenzene	NS	NS	1.2E+05	<0.00233	<0.00297	<0.0025	<0.00309	<0.00245	<0.00332	<0.00233	<0.0022	<0.00311	<0.00283	<0.00221	<0.00363	<0.00239	<0.0221	<0.00266	<0.00276	<0.00236	<0.00244	<0.00287	<0.00286	<0.00356	<0.00258	<0.00271
Tetrachloroethene	3.3E+01	2.7E+00	—	<0.00107	<0.00136	<0.00115	<0.00142	<0.00112	<0.00152	<0.00107	<0.00101	<0.00143	<0.0013	<0.00101	<0.00168	<0.0011	<0.0102	<0.00122	<0.00127	<0.00108	<0.00112	<0.00132	<0.00131	<0.00164	<0.00119	<0.00125
Toluene	4.7E+03	5.3E+03	—	<0.00155	<0.00198	<0.00166	<0.00206	<0.00163	<0.00221	<0.00155	<0.00147	<0.00208	<0.00188	<0.00147	<0.00242	<0.00159	<0.0147	<0.00177	**0.0333**	**0.00947**	<0.00163	<0.00191	<0.00191	**0.152**	<0.00172	<0.00181
Trichloroethene	1.8E+01	6.1E+00	—	<0.000697	<0.000888	**0.0021**	**0.00782**	**0.00646**	<0.000994	<0.000697	<0.000659	<0.000932	<0.000846	<0.000661	<0.00109	<0.000715	<0.00662	<0.000796	<0.000827	<0.000706	<0.000731	<0.000859	<0.000856	<0.00107	<0.000773	<0.000812
Xylenes, Total	2.4E+03	2.5E+03	—	<0.00105	<0.00134	<0.00113	<0.00139	<0.0011	<0.0015	<0.00105	<0.000993	<0.0014	<0.00127	<0.000996	<0.00165	<0.00108	<0.00998	<0.0012	**0.0638**	<0.00106	<0.0011	<0.00129	<0.00129	**0.29**	<0.00116	<0.00122

Sample ID	2019 RWQCB	2019 RWQCB	USEPA	G-E1-1	G-E2-1	G-E2-1	G-E2-1	G-E3-1	G-E3-1	G-E3-1	G-F1-1	G-F1-1	G-F1-1	G-F2-1	G-F2-1	G-F2-1	G-F2-1	G-F3-1	G-F3-1	G-F3-1	G-G1-1	G-G1-1	G-G1-1	G-G2-1	G-G2-1	G-G2-1
Sample Depth (ft bgs)	**Direct Contact**	**Direct Contact**	**Industrial**	**5.0**	**2.0**	**3.0**	**5.0**	**2.0**	**3.0**	**5.0**	**2.0**	**3.0**	**5.0**	**2.0**	**3.0**	**4.0**	**5.0**	**2.0**	**3.0**	**5.0**	**2.0**	**3.0**	**5.0**	**2.0**	**3.0**	**4.0**
Sample Date	**ruction Worker**	**rcial / Industria**	**RSL[2]**	**5/22/2024**	**5/28/2024**	**5/28/2024**	**5/28/2024**	**5/28/2024**	**5/28/2024**	**5/28/2024**	**5/28/2024**	**5/28/2024**	**5/28/2024**	**5/29/2024**	**5/29/2024**	**5/29/2024**	**5/29/2024**	**5/23/2024**	**5/23/2024**	**5/23/2024**	**5/29/2024**	**5/29/2024**	**5/29/2024**	**5/29/2024**	**5/29/2024**	**5/29/2024**
ORGANIC COMPOUNDS - 8260B (mg/kg)																										
1,1,1,2-Tetrachloroethane	1.9E+02	8.9E+00	—	<0.00231	<0.00125	<0.00122	<0.00125	<0.00137	<0.00138	<0.0011	<0.00164	<0.00164	<0.00163	<0.0012	<0.00129	<0.00572	<0.0016	<0.00702	<0.00779	<0.00164	<0.00115	<0.00209	<0.00157	<0.00162	<0.0139	<0.00321
1,1,1-Trichloroethane	7.2E+03	7.3E+03	—	<0.00225	<0.00121	<0.00119	<0.00122	<0.00133	<0.00134	<0.00107	<0.0016	<0.00159	<0.00159	**2.6**	**0.422**	**0.19**	<0.00156	<0.00684	<0.0076	<0.00159	<0.00112	<0.00204	<0.00153	<0.00157	<0.0135	<0.00313
1,1,2,2-Tetrachloroethane	4.9E+01	2.7E+00	—	<0.00169	<0.000914	<0.000895	<0.000916	<0.001	<0.00101	<0.000809	<0.0012	<0.0012	<0.0012	<0.00088	<0.000948	<0.00418	<0.00117	<0.00515	<0.00572	<0.0012	<0.000846	<0.00153	<0.00115	<0.00118	<0.0102	<0.00235
1,1,2-Trichloroethane	6.3E+00	5.1E+00	—	<0.00146	<0.000786	<0.000768	<0.000786	<0.000861	<0.000866	<0.000695	<0.00103	<0.00103	<0.00103	<0.000756	<0.000815	<0.0036	<0.00101	<0.00443	<0.00491	<0.00103	<0.000726	<0.00132	<0.000988	<0.00102	<0.00874	<0.00201
1,1-Dichloroethane	3.7E+02	1.6E+01	—	<0.0012	<0.000646	<0.000632	<0.000647	<0.000708	<0.000712	<0.000572	<0.00085	<0.000848	<0.000845	**1.7**	**0.351**	**0.124**	<0.00083	<0.00364	<0.00405	<0.000848	<0.000597	<0.00108	<0.000813	<0.000837	<0.00719	<0.00166
1,2,3-Trichlorobenzene	NS	NS	9.3E+02	<0.0179	<0.00964	<0.00943	<0.00966	<0.0106	<0.0106	<0.00853	<0.0127	<0.0127	<0.0126	<0.00928	<0.01	<0.0442	<0.0124	<0.0543	<0.0604	<0.0127	<0.00892	<0.0162	<0.0121	<0.0125	<0.107	<0.0249
1,2,3-Trimethylbenzene	NS	NS	2.0E+03	<0.00386	<0.00208	<0.00203	<0.00208	**0.00975**	<0.00229	<0.00184	<0.00273	<0.00273	<0.00272	**0.901**	**0.621**	**0.617**	**0.766**	**0.0813**	**0.0942**	**0.0894**	<0.00192	**0.0445**	<0.00262	<0.00269	**2.05**	**0.235**
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	—	<0.0107	<0.00579	<0.00566	<0.0058	<0.00634	<0.00638	<0.00512	<0.00761	<0.0076	<0.00757	<0.00557	<0.006	<0.0265	<0.00744	<0.0326	<0.0362	<0.0076	<0.00535	<0.0097	<0.00728	<0.0075	<0.0644	<0.0149

1,2,4-Trimethylbenzene	NS	NS	1.8E+03	<0.00386 J4R	<0.00208	<0.00203	<0.00208	**0.0209**	<0.00229	<0.00184	<0.00273	<0.00273	<0.00272	**2.46**	**2.7**	**1.28**	**0.387**	**0.0921**	**0.0886**	**0.192**	<0.00192	**0.0272**	<0.00262	<0.00269	**3.16**	**0.333**
1,2-Dibromo-3-Chloropropane	1.1E+00	5.9E-02	—	<0.00952	<0.00513	<0.00502	<0.00514	<0.00562	<0.00566	<0.00454	<0.00675	<0.00673	<0.00671	<0.00494	<0.00532	<0.0235	<0.00659	<0.0289	<0.032	<0.00673	<0.00475	<0.0086	<0.00646	<0.00665	<0.0571	<0.0132
1,2-Dichlorobenzene	7.8E+03	9.4E+03	—	<0.00104	<0.000559	<0.000547	<0.00056	<0.000613	<0.000617	<0.000495	<0.000735	<0.000734	<0.000731	<0.000538	<0.00058	<0.00256	<0.000718	<0.00315	<0.0035	<0.000734	<0.000517	<0.000938	**0.0771**	<0.000724	<0.00622	<0.00144
1,2-Dichloroethane	4.5E+01	2.1E+00	—	<0.00158	<0.000854	<0.000835	<0.000855	<0.000936	<0.000942	<0.000756	<0.00112	<0.00112	<0.00112	<0.000822	<0.000886	<0.0039	<0.0011	<0.0048	<0.00534	<0.00112	<0.00079	<0.00143	<0.00107	<0.00111	<0.00949	<0.0022
1,3,5-Trimethylbenzene	NS	NS	1.5E+03	<0.00488 J4R	<0.00263	<0.00257	<0.00263	<0.00288	<0.0029	<0.00233	<0.00346	<0.00345	<0.00344	**1.13**	**1.34**	**0.384**	**0.102**	**0.0521**	**0.0574**	**0.0929**	<0.00243	**0.0142**	<0.00331	<0.00341	**1.39**	**0.176**
1,3-Dichlorobenzene	NS	NS	NS	<0.00146	<0.000789	<0.000772	<0.00079	<0.000865	<0.000871	<0.000699	<0.00104	<0.00104	<0.00103	<0.00076	<0.000819	<0.00361	<0.00101	<0.00444	<0.00494	<0.00104	<0.00073	<0.00132	<0.000993	<0.00102	<0.00878	<0.00203
1,4-Dichlorobenzene	2.8E+02	1.2E+01	—	<0.0017	<0.000921	<0.000901	<0.000922	<0.00101	<0.00102	<0.000815	<0.00121	<0.00121	<0.0012	<0.000886	<0.000955	<0.00421	<0.00118	<0.00518	<0.00575	<0.00121	<0.000852	<0.00154	**0.0202**	<0.00119	<0.0102	<0.00237
2-Chlorotoluene	NS	NS	2.3E+04	<0.00211	<0.00114	<0.00111	<0.00114	<0.00125	<0.00125	<0.00101	<0.0015	<0.00149	<0.00149	<0.0011	<0.00118	<0.0052	<0.00146	<0.00641	<0.00711	<0.00149	<0.00105	<0.0019	**0.0416**	<0.00147	**0.514**	**0.0555**
4-Bromofluorobenzene	NS	NS	3.5E+02	**0.0178**	**0.0168**	**0.0167**	**0.0165**	**0.0166**	**0.0166**	**0.0165**	**0.0166**	**0.0164**	**0.0166**	**0.018**	**0.0202**	**0.0411 J1**	**0.021**	**0.0179**	**0.0178**	**0.0156**	**0.0172**	**0.0175**	**0.0179**	**0.0172**	**0.0177**	**0.0162**
4-Chlorotoluene	NS	NS	2.3E+04	<0.0011	<0.000592	<0.000579	<0.000593	<0.000649	<0.000653	<0.000524	<0.000779	<0.000777	<0.000775	<0.00057	<0.000614	<0.0027	<0.00076	<0.00333	<0.0037	<0.000777	<0.000548	<0.000993	<0.000745	<0.000767	**0.503**	<0.00152
Acrylonitrile	NS	NS	1.1E+00	<0.00881	<0.00475	<0.00465	<0.00476	<0.00521	<0.00524	<0.0042	<0.00625	<0.00623	<0.00621	<0.00457	<0.00493	<0.0218	<0.0061	<0.0267	<0.0297	<0.00623	<0.00439	<0.00797	<0.00598	<0.00615	<0.0529	<0.0122
Benzene	3.3E+01	1.4E+00	—	<0.00114	<0.000614	<0.000601	<0.000615	<0.000673	**0.00276**	<0.000544	<0.000808	<0.000806	<0.000804	**0.966**	**0.49**	**0.152**	**0.0147**	**0.0216**	**0.0602**	**0.102**	<0.000568	**0.00232**	<0.000773	**0.01**	**0.0699**	**0.0056**
Bromobenzene	NS	NS	1.8E+03	<0.0022	<0.00118	<0.00116	<0.00119	<0.0013	<0.00131	<0.00105	<0.00156	<0.00155	<0.00155	<0.00114	<0.00123	<0.00542	<0.00152	<0.00667	<0.0074	<0.00155	<0.0011	<0.00198	<0.00149	<0.00153	<0.0132	<0.00304
Chlorobenzene	1.2E+03	1.3E+03	—	<0.000512	<0.000276	<0.00027	<0.000277	<0.000303	<0.000305	<0.000245	<0.000363	<0.000362	<0.000361	<0.000266	<0.000287	<0.00126	<0.000355	<0.00156	<0.00172	<0.000363	<0.000256	<0.000464	<0.000348	<0.000358	<0.00307	<0.00071
Chloroform	3.4E+01	1.4E+00	—	<0.00252	<0.00136	<0.00133	<0.00136	<0.00149	<0.00149	<0.0012	<0.00178	<0.00178	<0.00177	<0.0013	<0.00141	<0.0062	<0.00174	<0.00764	<0.00847	<0.00178	<0.00125	<0.00226	<0.00171	<0.00176	<0.0151	<0.00348
cis-1,2-Dichloroethene	7.8E+01	8.5E+01	—	<0.00179	<0.000966	<0.000945	<0.000967	<0.00106	<0.00106	<0.000855	<0.00127	<0.00127	<0.00126	**0.00841**	<0.001	<0.00442	<0.00124	**0.0754**	**0.209**	**0.0939**	<0.000893	<0.00162	<0.00122	<0.00125	**0.0704**	**0.0164**
Ethylbenzene	5.4E+02	2.6E+01	—	<0.0018	<0.00097	<0.000949	<0.000971	<0.00106	<0.00107	<0.000858	<0.00128	<0.00127	<0.00127	**2.25**	**5.03**	**0.503**	**0.248**	**0.0272**	**0.0619**	**0.0948**	<0.000897	<0.00163	<0.00122	<0.00126	**0.346**	**0.0218**
Isopropylbenzene	NS	NS	NS	<0.00104	<0.000559	<0.000547	<0.00056	<0.000613	<0.000617	<0.000495	<0.000735	<0.000734	<0.000731	**0.567**	**0.632**	**0.775**	**0.33**	**0.02**	**0.0834**	**0.0304**	<0.000517	**0.0128**	**0.0566**	<0.000724	**0.305**	**0.0238**
Naphthalene	4.0E+02	1.7E+01	—	<0.0119	**0.0167**	<0.00628	<0.00643	<0.00704	<0.00708	<0.00568	<0.00844	<0.00842	<0.0084	**0.967**	**0.0823**	**0.294**	**0.357**	**0.0936**	**0.138**	**0.0546**	**0.0173**	**0.0293**	<0.00808	<0.00832	**7.02**	**0.775**
n-Butylbenzene	NS	NS	5.8E+04	<0.0129	<0.00691	<0.00676	<0.00692	<0.00757	<0.00762	<0.00611	<0.00908	<0.00906	<0.00904	**0.0843**	**0.184**	**0.338**	**0.179**	<0.0389	<0.0431	<0.00906	<0.00639	**0.0755**	**0.23**	<0.00895	**2.38**	<0.0178
n-Propylbenzene	NS	NS	2.4E+04	<0.00232	<0.00125	<0.00122	<0.00125	<0.00137	<0.00138	<0.00111	<0.00164	<0.00164	<0.00164	**0.928**	**2.09**	**2.12**	**1.12**	<0.00703	**0.0564**	**0.0445**	<0.00116	<0.00209	**0.0444**	<0.00162	**0.307**	**0.0303**
p-Isopropyltoluene	NS	NS	NS	<0.00622	<0.00336	<0.00328	<0.00336	<0.00368	<0.0037	<0.00297	<0.00441	<0.0044	<0.00439	**0.107**	**0.0929**	**0.118**	**0.0542**	<0.0189	<0.0209	**0.0156**	<0.0031	**0.0182**	<0.00422	<0.00435	**0.633**	**0.0802**
sec-Butylbenzene	NS	NS	1.2E+05	<0.00703	<0.00379	<0.00371	<0.00379	<0.00415	<0.00418	<0.00335	<0.00498	<0.00497	<0.00496	**0.13**	**0.206**	**0.442**	**0.163**	<0.0213	<0.0237	<0.00497	<0.0035	<0.00635	**0.127**	<0.00491	**0.236**	<0.00974
Styrene	2.5E+04	3.3E+04	—	<0.000558	<0.000301	<0.000295	<0.000302	<0.00033	<0.000332	<0.000267	<0.000396	<0.000395	<0.000394	<0.00029	<0.000312	<0.00138	<0.000387	<0.0017	<0.00189	<0.000395	<0.000279	<0.000506	<0.000379	<0.00039	<0.00335	<0.000775
tert-Butylbenzene	NS	NS	1.2E+05	<0.00476	<0.00257	<0.00251	<0.00257	<0.00281	<0.00283	<0.00227	<0.00337	<0.00337	<0.00336	**0.0115**	<0.00266	**0.243**	**0.0204**	<0.0144	<0.016	<0.00337	<0.00237	<0.0043	<0.00323	<0.00332	<0.0285	<0.0066
Tetrachloroethene	3.3E+01	2.7E+00	—	<0.00219	<0.00118	<0.00115	<0.00118	<0.00129	<0.0013	<0.00104	**0.0715**	**0.0288**	<0.00154	<0.00113	<0.00122	<0.00539	<0.00151	**0.101**	**0.068**	<0.00155	**0.00937**	**0.0628**	<0.00148	<0.00153	**0.115**	**0.00911**
Toluene	4.7E+03	5.3E+03	—	<0.00318	<0.00171	<0.00167	<0.00171	<0.00187	<0.00189	<0.00151	<0.00225	<0.00224	<0.00224	**0.429**	**0.0937**	**0.148**	<0.0022	**0.0648**	**0.131**	**0.185**	<0.00158	<0.00287	<0.00215	<0.00222	**0.534**	**0.0352**
Trichloroethene	1.8E+01	6.1E+00	—	<0.00143	<0.000768	<0.000752	<0.000769	<0.000842	<0.000847	<0.00068	<0.00101	**0.00939**	<0.00101	<0.000739	<0.000797	<0.00352	<0.000987	**0.0721**	**0.177**	**0.00615**	<0.000711	**0.00656**	<0.000967	**0.0182**	**1.75**	**0.112**
Xylenes, Total	2.4E+03	2.5E+03	—	<0.00214	<0.00116	<0.00113	<0.00116	**0.0105**	<0.00128	<0.00102	<0.00152	<0.00152	<0.00151	**6.8**	**3.36**	**1.74**	**0.0668**	**0.211**	**0.362**	**0.19**	<0.00107	**0.0194**	**0.0245**	<0.0015	**2.12**	**0.163**

Sample ID	2019 RWQCB	2019 RWQCB	USEPA	G-G2-1	G-G3-1	G-G3-1	G-G3-1	G-G4-1	G-G4-1	G-G4-1	G-H2-1	G-H2-1	G-H2-1	G-H2-1	G-H3-1	G-H3-1	G-H3-1	G-H3-1	GW-1	GW-2	GW-3	GW-4	GW-5	GW-6-12.5	GW-6-17.5	P-01
Sample Depth (ft bgs)	Direct Contact	Direct Contact	Industrial	5.0	2.0	3.0	5.0	2.0	3.0	5.0	2.0	3.0	4.0	5.0	2.0	3.0	4.0	5.0	13.5	14	13.0	13.5	14.5	12.5	17.5	16.0
Sample Date	ruction Worker	rcial / Industria	RSL^2	5/29/2024	5/29/2024	5/29/2024	5/29/2024	5/23/2024	5/23/2024	5/23/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/21/2024	5/23/2024	5/23/2024	5/23/2024
ORGANIC COMPOUNDS - 8260B (mg/kg)																										
1,1,1,2-Tetrachloroethane	1.9E+02	8.9E+00	—	<0.00155	<0.00141	<0.00142	<0.00157	<0.0018	<0.00157	<0.00147	<0.00134	<0.00127	<0.00129	<0.00151	<0.00235	<0.00147	<0.00145	<0.0017	<0.00133	<0.00116	<0.00151	<0.00153	<0.00147	<0.0266	<0.00132	<0.00145
1,1,1-Trichloroethane	7.2E+03	7.3E+03	—	<0.00151	<0.00137	<0.00138	<0.00153	<0.00176	<0.00153	<0.00143	<0.0013	**0.033**	<0.00126	<0.00147	**0.0717**	**0.0419**	<0.00141	<0.00166	<0.0013	<0.00113	<0.00147	<0.00149	<0.00143	<0.0259	<0.00128	<0.00141
1,1,2,2-Tetrachloroethane	4.9E+01	2.7E+00	—	<0.00114	<0.00103	<0.00104	<0.00115	<0.00132	<0.00115	<0.00108	<0.000981	<0.000932	<0.000949	<0.00111	<0.00172	<0.00108	<0.00106	<0.00125	<0.000976	<0.000853	<0.00111	<0.00112	<0.00108	<0.0195	<0.000965	<0.00106
1,1,2-Trichloroethane	6.3E+00	5.1E+00	—	<0.000976	<0.000889	<0.000893	<0.000988	<0.00113	<0.000986	<0.000924	<0.000842	<0.000801	<0.000815	<0.000954	<0.00147	<0.000927	<0.00091	<0.00107	<0.000838	<0.000732	<0.000952	<0.000963	<0.000924	<0.0167	<0.000829	<0.000911
1,1-Dichloroethane	3.7E+02	1.6E+01	—	<0.000802	<0.000731	<0.000734	<0.000812	<0.000932	<0.000811	<0.00076	**0.00905**	<0.000659	<0.00067	<0.000784	**0.064**	**0.118**	<0.000749	<0.000881	<0.00069	<0.000602	<0.000783	<0.000792	<0.00076	<0.0138	<0.000682	<0.000749
1,2,3-Trichlorobenzene	NS	NS	9.3E+02	<0.012	<0.0109	<0.011	<0.0121	<0.0139	<0.0121	<0.0113	<0.0103	<0.00983	<0.01	<0.0117	<0.0182	<0.0114	<0.0112	<0.0131	<0.0103	<0.00899	<0.0117	<0.0118	<0.0113	<0.206	<0.0102	<0.0112
1,2,3-Trimethylbenzene	NS	NS	2.0E+03	**0.185**	**0.0213**	<0.00236	<0.00261	**0.0116**	<0.0026	<0.00244	**0.0231**	**0.0115**	<0.00216	<0.00252	<0.0039	<0.00245	<0.00241	<0.00283	<0.00222	<0.00194	<0.00252	<0.00255	<0.00245	<0.0443	<0.00219	**1.06**
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	—	<0.00719	<0.00655	<0.00658	<0.00728	<0.00835	<0.00726	<0.00681	<0.00621	<0.0059	<0.00601 J3	<0.00703	<0.0109	<0.00683	<0.00671 J3	<0.00789	<0.00618	<0.0054	<0.00701	<0.00709	<0.00681	<0.123	<0.00611	<0.00672
1,2,4-Trimethylbenzene	NS	NS	1.8E+03	**0.265**	**0.0341**	**0.00972**	<0.00261	**0.0295**	**0.00975**	<0.00244	**0.0505**	**0.0182**	<0.00216	<0.00252	<0.0039	<0.00245	<0.00241	<0.00283	<0.00222	<0.00194 J4R	<0.00252	<0.00255	<0.00245	<0.0443	<0.00219	**0.0197**
1,2-Dibromo-3-Chloropropane	1.1E+00	5.9E-02	—	<0.00637	<0.00581	<0.00583	<0.00645	<0.0074	<0.00644	<0.00603	<0.0055	<0.00523	<0.00532	<0.00623	<0.00964	<0.00605	<0.00595	<0.00699	<0.00548	<0.00478	<0.00622	<0.00629	<0.00604	<0.109 '	<0.00542	<0.00595
1,2-Dichlorobenzene	7.8E+03	9.4E+03	—	<0.000695	<0.000633	<0.000636	<0.000703	<0.000807	<0.000702	<0.000657	**0.0193**	<0.00057	<0.00058	<0.000679	<0.00105	<0.00066	<0.000648	<0.000762	<0.000597	<0.000521	<0.000678	<0.000685	<0.000658	<0.0119	<0.00059	<0.000649
1,2-Dichloroethane	4.5E+01	2.1E+00	—	<0.00106	<0.000966	<0.000971	<0.00107	<0.00123	<0.00107	<0.001	<0.000916	<0.000871	<0.000886	<0.00104	<0.00161	<0.00101	<0.00099	<0.00116	<0.000911	<0.000796	<0.00103	<0.00105	<0.001	<0.0182	<0.000901	<0.000991
1,3,5-Trimethylbenzene	NS	NS	1.5E+03	**0.126**	<0.00298	<0.00299	<0.00331	**0.0107**	<0.0033	<0.00309	**0.00902**	**0.00773**	<0.00273	<0.0032	<0.00494	<0.0031	<0.00305	<0.00359	<0.00281	<0.00245 J4R	<0.00319	<0.00322	<0.0031	<0.0561	<0.00278	**0.29**
1,3-Dichlorobenzene	NS	NS	NS	<0.000981	<0.000893	<0.000897	<0.000993	<0.00114	<0.000991	<0.000928	<0.000847	<0.000805	<0.000819	<0.000959	<0.00148	<0.000931	<0.000915	<0.00108	<0.000843	<0.000736	<0.000956	<0.000967	<0.000929	<0.0168	<0.000833	<0.000916
1,4-Dichlorobenzene	2.8E+02	1.2E+01	—	<0.00114	<0.00104	<0.00105	<0.00116	<0.00133	<0.00116	<0.00108	<0.000988	<0.000939	<0.000956	<0.00112	<0.00173	<0.00109	<0.00107	<0.00126	<0.000983	<0.000859	<0.00112	<0.00113	<0.00108	<0.0196	<0.000972	<0.00107
2-Chlorotoluene	NS	NS	2.3E+04	<0.00141	<0.00129	<0.00129	<0.00143	<0.00164	<0.00142	<0.00134	<0.00122	<0.00116	<0.00118	<0.00138	<0.00214	<0.00134	<0.00132	<0.00155	<0.00121	<0.00106	<0.00138	<0.00139	<0.00134	<0.0243	<0.0012	<0.00132
4-Bromofluorobenzene	NS	NS	3.5E+02	**0.018**	**0.0164**	**0.0161**	**0.0161**	**0.0158**	**0.0147**	**0.0158**	**0.0164**	**0.0162**	**0.0165**	**0.016**	**0.0161**	**0.0158**	**0.0164**	**0.017**	**0.0167**	**0.0162**	**0.0168**	**0.0167**	**0.0157**	**0.0176**	**0.0154**	**0.0243 J1**
4-Chlorotoluene	NS	NS	2.3E+04	<0.000735	<0.00067	<0.000673	<0.000744	<0.000855	<0.000744	<0.000696	<0.000635	<0.000604	<0.000614	<0.000719	<0.00111	<0.000699	<0.000686	<0.000807	<0.000632	<0.000552	<0.000717	<0.000726	<0.000697	<0.0126	<0.000625	<0.000687
Acrylonitrile	NS	NS	1.1E+00	<0.0059	<0.00537	<0.0054	<0.00597	<0.00685	<0.00596	<0.00558	<0.00509	<0.00484	<0.00493	<0.00577	<0.00892	<0.0056	<0.0055	<0.00647	<0.00507	<0.00443	<0.00575	<0.00582	<0.00559	<0.101	<0.00501	<0.00551
Benzene	3.3E+01	1.4E+00	—	**0.00454**	**0.00716**	**0.00245**	<0.000773	**0.00446**	**0.0234**	<0.000722	**0.0306**	**0.00287**	<0.000638	<0.000746	<0.00115	<0.000725	<0.000712	<0.000837	<0.000656	<0.000573	<0.000744	<0.000753	<0.000723	<0.0131	<0.000648	**0.426**
Bromobenzene	NS	NS	1.8E+03	<0.00147	<0.00134	<0.00135	<0.00149	<0.00171	<0.00149	<0.00139	<0.00127	<0.00121	<0.00123	<0.00144	<0.00222	<0.0014	<0.00137	<0.00161	<0.00126	<0.0011	<0.00143	<0.00145	<0.00139	<0.0252	<0.00125	<0.00137
Chlorobenzene	1.2E+03	1.3E+03	—	<0.000343	<0.000313	<0.000314	<0.000347	<0.000398	<0.000346	<0.000325	<0.000296	<0.000282	<0.000287	<0.000336	<0.000519	<0.000326	<0.00032	<0.000377	<0.000295	<0.000258	<0.000335	<0.000339	<0.000325	<0.00589	<0.000292	<0.000321
Chloroform	3.4E+01	1.4E+00	—	<0.00168	<0.00153	<0.00154	<0.0017	<0.00196	<0.00171	<0.00159	<0.00145	<0.00138	<0.00141	<0.00165	<0.00254	<0.0016	<0.00157	<0.00185	<0.00145	<0.00126	<0.00164	<0.00166	<0.00159	<0.0289	<0.00143	<0.00157
cis-1,2-Dichloroethene	7.8E+01	8.5E+01	—	**0.0204**	<0.00109	<0.0011	<0.00121	<0.00139	<0.00121	<0.00114	**0.0049**	<0.000985	<0.001	<0.00117	<0.00182	<0.00114	<0.00112	<0.00132	<0.00103	<0.0009	<0.00117	<0.00118	<0.00114	<0.0206	<0.00102	<0.00112
Ethylbenzene	5.4E+02	2.6E+01	—	**0.0199**	**0.0147**	<0.0011	<0.00122	**0.00688**	**0.0434**	<0.00114	**0.0203**	<0.000989	<0.00101	<0.00118	<0.00182	<0.00114	<0.00112	<0.00132	<0.00104	<0.000904	<0.00117	<0.00119	<0.00114	<0.0206	<0.00102	**7.1**
Isopropylbenzene	NS	NS	NS	**0.0227**	**0.0118**	**0.00612**	<0.000703	<0.000807	**0.0123**	<0.000657	**0.00368**	<0.00057	<0.00058	<0.000679	<0.00105	<0.00066	<0.000648	<0.000762	<0.000597	<0.000521	<0.000678	<0.000685	<0.000658	**0.142**	<0.00059	**1.13**
Naphthalene	4.0E+02	1.7E+01	—	**0.422**	<0.00726	<0.0073	<0.00807	**0.0524**	<0.00806	<0.00755	**0.0762**	**0.0286**	<0.00666 J3	<0.0078	<0.0121	<0.00758	<0.00744 J3	<0.00875	<0.00685	<0.00599	<0.00778	<0.00787	<0.00755	<0.137	<0.00678	**2.84**
n-Butylbenzene	NS	NS	5.8E+04	**0.275**	<0.00781	<0.00785	<0.00869	<0.00997	<0.00867	<0.00812	<0.00741	<0.00704	<0.00717	<0.00839	<0.013	<0.00815	<0.00801	<0.00942	<0.00737	<0.00644	<0.00837	<0.00846	<0.00813	**0.51**	<0.00729	**1.48**
n-Propylbenzene	NS	NS	2.4E+04	**0.0242**	**0.0134**	**0.00775**	<0.00157	<0.0018	**0.0349**	<0.00147	**0.0164**	<0.00127	<0.0013	<0.00152	<0.00235	<0.00147	<0.00145	<0.0017	<0.00133	<0.00117	<0.00151	<0.00153	<0.00147	**0.188**	<0.00132	**3.66**
p-Isopropyltoluene	NS	NS	NS	**0.0646**	<0.0038	<0.00381	<0.00422	<0.00484	<0.00422	<0.00394	**0.0164**	<0.00342	<0.00348	<0.00407	<0.0063	<0.00396	<0.00389	<0.00457	<0.00358	<0.00313	<0.00407	<0.00411	<0.00395	<0.0715	<0.00354	**0.313**
sec-Butylbenzene	NS	NS	1.2E+05	**0.0235**	<0.00429	<0.00431	<0.00476	<0.00546	<0.00475	<0.00446	<0.00406	<0.00386	<0.00393	<0.0046	<0.00712	<0.00447	<0.00439	<0.00516	<0.00404	<0.00353	<0.00459	<0.00464	<0.00446	**0.474**	<0.004	**0.693**
Styrene	2.5E+04	3.3E+04	—	<0.000374	<0.000341	<0.000342	<0.000379	<0.000435	<0.000379	<0.000354	<0.000323	<0.000307	<0.000313	<0.000366	<0.000566	<0.000356	<0.000349	<0.000411	<0.000322	<0.000281	<0.000365	<0.000369	<0.000355	<0.00642	<0.000318	<0.00035
tert-Butylbenzene	NS	NS	1.2E+05	<0.00319	<0.0029	<0.00292	<0.00323	<0.0037 J4	<0.00322 J4	<0.00302 J4	<0.00275	<0.00262	<0.00266	<0.00312	<0.00482	<0.00303	<0.00297	<0.0035	<0.00274	<0.00239	<0.00311	<0.00314	<0.00302	<0.0547 J4	<0.00271 J4	<0.00298 J4
Tetrachloroethene	3.3E+01	2.7E+00	—	**0.00994**	<0.00133	<0.00134	<0.00148	**0.018**	<0.00148	<0.00139	<0.00126	**0.0037**	<0.00122	<0.00143	<0.00221	**0.00425**	<0.00137	<0.00161	<0.00126	<0.0011	<0.00143	<0.00144	<0.00139	<0.0251	<0.00124	<0.00137
Toluene	4.7E+03	5.3E+03	—	**0.024**	<0.00194	<0.00194	<0.00215	**0.0248**	**0.067**	<0.00201	**0.0344**	**0.00975**	<0.00177	<0.00208	<0.00321	<0.00202	<0.00198	<0.00233	<0.00183	<0.00159	<0.00207	<0.0021	<0.00201	<0.0365	<0.00181	**0.0928**
Trichloroethene	1.8E+01	6.1E+00	—	**0.0866**	<0.000869	<0.000873	<0.000966	**0.00204**	<0.000964	**0.00334**	**0.00436**	<0.000783	<0.000797	<0.000933	**0.0831**	**0.145**	<0.000891	<0.00105	<0.00082	<0.000716	<0.000931	<0.000942	<0.000904	<0.0164	<0.000811	<0.000891
Xylenes, Total	2.4E+03	2.5E+03	—	**0.137**	**0.0469**	**0.0099**	<0.00146	**0.0484**	**0.0447**	<0.00136	**0.0982**	**0.0239**	<0.0012	<0.00141	<0.00217	<0.00137	<0.00134	<0.00158	<0.00124	<0.00108	<0.0014	<0.00142	<0.00136	<0.0247	<0.00122	**0.333**

Sample ID	2019 RWQCB	2019 RWQCB	USEPA	UC-B4-2	UC-B4-2-10.0	UC-H1-1	UC-H1-1	UC-H1-1	UC-H1-1	UC-H1-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	Industrial	5.0	10.0	2.0	4.0	5.0	8.0	10.0
Sample Date	ruction Worker	rcial / Industria	RSL^2	5/23/2024	5/23/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024
ORGANIC COMPOUNDS - 8260B (mg/kg)										
1,1,1,2-Tetrachloroethane	1.9E+02	8.9E+00	—	<0.00124	<0.00138	<0.00126	<0.00163	<0.00152	<0.00161	<0.00142
1,1,1-Trichloroethane	7.2E+03	7.3E+03	—	<0.0012	<0.00134	<0.00123	<0.00159	<0.00148	<0.00157	<0.00138
1,1,2,2-Tetrachloroethane	4.9E+01	2.7E+00	—	<0.000906	<0.00101	<0.000923	<0.00119	<0.00111	<0.00118	<0.00104
1,1,2-Trichloroethane	6.3E+00	5.1E+00	—	<0.000778	<0.000869	<0.000793	<0.00103	<0.000957	<0.00102	<0.000893
1,1-Dichloroethane	3.7E+02	1.6E+01	—	<0.00064	<0.000715	<0.000652	<0.000844	<0.000787	<0.000836	<0.000734
1,2,3-Trichlorobenzene	NS	NS	9.3E+02	<0.00955	<0.0107	<0.00974	<0.0126	<0.0118	<0.0125	<0.011
1,2,3-Trimethylbenzene	NS	NS	2.0E+03	<0.00206	<0.0023	<0.0021	<0.00272	<0.00253	<0.00269	<0.00236
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	—	<0.00573	<0.0064	<0.00585	<0.00756 J3	<0.00705	<0.00749 J3	<0.00658
1,2,4-Trimethylbenzene	NS	NS	1.8E+03	<0.00206	<0.0023	<0.0021	<0.00272	**0.0159**	<0.00269	<0.00236
1,2-Dibromo-3-Chloropropane	1.1E+00	5.9E-02	—	<0.00508	<0.00568	<0.00518	<0.0067	<0.00625	<0.00664	<0.00583
1,2-Dichlorobenzene	7.8E+03	9.4E+03	—	<0.000554	<0.000619	<0.000565	<0.000731	<0.000681	<0.000724	<0.000635
1,2-Dichloroethane	4.5E+01	2.1E+00	—	<0.000846	<0.000945	<0.000862	<0.00112	<0.00104	<0.00111	<0.00097
1,3,5-Trimethylbenzene	NS	NS	1.5E+03	<0.00261	<0.00291	<0.00266	<0.00344	**0.016**	**0.0108**	<0.00299
1,3-Dichlorobenzene	NS	NS	NS	<0.000782	<0.000873	<0.000797	<0.00103	<0.000962	<0.00102	<0.000897
1,4-Dichlorobenzene	2.8E+02	1.2E+01	—	<0.000912	<0.00102	<0.00093	<0.0012	<0.00112	<0.00119	<0.00105
2-Chlorotoluene	NS	NS	2.3E+04	<0.00113	<0.00126	<0.00115	<0.00149	<0.00139	<0.00147	<0.00129
4-Bromofluorobenzene	NS	NS	3.5E+02	**0.0169**	**0.0166**	**0.0151**	**0.0173**	**0.0165**	**0.0171**	**0.0158**
4-Chlorotoluene	NS	NS	2.3E+04	<0.000586	<0.000655	<0.000598	<0.000773	<0.000721	<0.000766	<0.000673
Acrylonitrile	NS	NS	1.1E+00	<0.0047	<0.00525	<0.0048	<0.00621	<0.00579	<0.00615	<0.0054
Benzene	3.3E+01	1.4E+00	—	**0.00235**	<0.00068	<0.00062	<0.000803	<0.000749	<0.000795	<0.000698
Bromobenzene	NS	NS	1.8E+03	<0.00117	<0.00131	<0.0012	<0.00155	<0.00144	<0.00153	<0.00135
Chlorobenzene	1.2E+03	1.3E+03	—	<0.000274	<0.000306	<0.000279	<0.000361	<0.000337	<0.000358	<0.000314
Chloroform	3.4E+01	1.4E+00	—	<0.00134	<0.0015	<0.00137	<0.00177	<0.00165	<0.00175	<0.00154
cis-1,2-Dichloroethene	7.8E+01	8.5E+01	—	<0.000957	<0.00107	<0.000975	<0.00126	<0.00118	<0.00125	<0.0011
Ethylbenzene	5.4E+02	2.6E+01	—	<0.000961	<0.00107	<0.000979	<0.00127	<0.00118	<0.00126	<0.0011
Isopropylbenzene	NS	NS	NS	<0.000554	<0.000619	<0.000565	<0.000731	<0.000681	<0.000724	<0.000635
Naphthalene	4.0E+02	1.7E+01	—	<0.00636	<0.0071	<0.00648	<0.00839 J3	<0.00782	<0.00831 J3	<0.0073
n-Butylbenzene	NS	NS	5.8E+04	<0.00684	<0.00764	<0.00698	<0.00902	<0.00842	<0.00894	<0.00785
n-Propylbenzene	NS	NS	2.4E+04	<0.00124	<0.00138	<0.00126	<0.00163	<0.00152	<0.00162	<0.00142
p-Isopropyltoluene	NS	NS	NS	<0.00332	<0.00371	<0.00339	<0.00438	<0.00409	**0.00877**	<0.00381
sec-Butylbenzene	NS	NS	1.2E+05	<0.00375	<0.00419	<0.00383	<0.00495	<0.00462	<0.0049	<0.00431
Styrene	2.5E+04	3.3E+04	—	<0.000298	<0.000333	<0.000304	<0.000394	<0.000367	<0.00039	<0.000342
tert-Butylbenzene	NS	NS	1.2E+05	<0.00254	<0.00284	<0.00259	<0.00335	<0.00313	<0.00332	<0.00292
Tetrachloroethene	3.3E+01	2.7E+00	—	<0.00117	<0.0013	<0.00119	<0.00154	<0.00144	<0.00153	<0.00134
Toluene	4.7E+03	5.3E+03	—	<0.00169	<0.00189	<0.00173	<0.00223	<0.00208	<0.00221	<0.00194
Trichloroethene	1.8E+01	6.1E+00	—	<0.000761	<0.00085	<0.000776	<0.001	<0.000936	<0.000994	<0.000873
Xylenes, Total	2.4E+03	2.5E+03	—	<0.00115	<0.00128	<0.00117	<0.00151	**0.101**	**0.116**	<0.00132

Sample ID	2019 RWQCB	2019 RWQCB	UC-A2-1	UC-A2-1	UC-A2-1	UC-A3-1	UC-A3-1	UC-A3-1	UC-B4-2	UC-B4-2	UC-B4-2	UC-H1-1	UC-H1-1	UC-H1-1	UC-H1-1	UC-H1-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	1.0	2.0	3.0	1.0	2.0	3.0	1.0	2.0	3.0	1.0	2.0	3.0	4.0	8.0
Sample Date	ruction Worker	rcial / Industria	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/23/2024	5/23/2024	5/23/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024
LE ORGANIC COMPOUNDS - 8270C (mg/kg)																
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	<0.0225	<0.114	<0.117	<0.111	<1.24	<0.024	<0.0569	<0.0127	<0.0113	<0.0254	<0.0238	<0.0141	<0.0276	<0.272
1,2-Dichlorobenzene	7.8E+03	9.4E+03	<0.0213	<0.108	<0.111	<0.105	<1.17	<0.0227	<0.0541	<0.0121	<0.0107	<0.024	<0.0226	<0.0134	<0.0262	<0.258
1,3-Dichlorobenzene	NS	NS	<0.0218	<0.111	<0.114	<0.107	<1.2	<0.0233	<0.0553	<0.0123	<0.011	<0.0246	<0.0231	<0.0137	<0.0268	<0.264
1,4-Dichlorobenzene	2.8E+02	1.2E+01	<0.0214	<0.109	<0.112	<0.105	<1.18	<0.0229	<0.0543	<0.0121	<0.0108	<0.0241	<0.0227	<0.0134	<0.0263	<0.259
2,4,6-Tribromophenol	NS	NS	**0.405**	**0.49**	**0.59**	**0.25**	**0.454 J7**	**0.48**	**0.267**	**0.4**	**0.429**	**0.281**	**0.473**	**0.375**	**0.326**	**0.494 J7**
2,4,6-Trichlorophenol	3.5E+02	4.7E+01	<0.0231	<0.117	<0.121	<0.114	<1.27	<0.0247	<0.0586	<0.0131	<0.0117	<0.0261	<0.0245	<0.0145	<0.0284	<0.28
2,4-Dichlorophenol	1.1E+03	3.5E+03	<0.0209	<0.106	<0.109	<0.103	<1.15	<0.0224	<0.0531	<0.0118	<0.0106	<0.0237	<0.0222	<0.0131	<0.0258	<0.254
2,4-Dimethylphenol	7.1E+03	2.3E+04	<0.0188	<0.0953	<0.0981	<0.0925	<1.03	<0.0201	<0.0476	<0.0106	<0.00947	<0.0212	<0.0199	<0.0118	<0.0231	<0.228
2,4-Dinitrophenol	7.1E+02	2.3E+03	<0.168	<0.853	<0.878	<0.828	<9.26	<0.18	<0.426 J6	<0.0952	<0.0848	<0.19	<0.179	<0.106	<0.207	<2.04
2,4-Dinitrotoluene	7.9E+01	1.1E+01	<0.0206	<0.105	<0.108	<0.102	<1.13	<0.022	<0.0523	<0.0117	<0.0104	<0.0233	<0.0219	<0.0129	<0.0254	<0.25
2,6-Dinitrotoluene	NS	NS	<0.0235	<0.119	<0.123	<0.116	<1.3	<0.0252	<0.0596	<0.0133	<0.0119	<0.0266	<0.025	<0.0148	<0.029	<0.285
2-Chloronaphthalene	NS	NS	<0.0126	<0.0641	<0.066	<0.0622	<0.695	<0.0135	<0.0321	<0.00715	<0.00637	<0.0143	<0.0134	<0.00793	<0.0155	<0.153
2-Chlorophenol	1.8E+03	5.8E+03	<0.0238	<0.12	<0.124	<0.117	<1.31	<0.0254	<0.0602	<0.0134	<0.012	<0.0268	<0.0252	<0.0149	<0.0292	<0.288
2-Fluorophenol	NS	NS	**0.542**	**0.659**	**0.672**	**0.286**	**0.53 J7**	**0.462**	**0.355**	**0.369**	**0.411**	**0.406**	**0.391**	**0.392**	**0.384**	**0.54 J7**
2-Nitrophenol	NS	NS	<0.0257	<0.13	<0.134	<0.127	<1.41	<0.0275	<0.0651	<0.0145	<0.013	<0.029	<0.0273	<0.0161	<0.0316	<0.311
3,3-Dichlorobenzidine	2.0E+01	2.7E+00	<0.0266	<0.135	<0.139	<0.131	<1.46	<0.0284	<0.0673	<0.015	<0.0134	<0.03	<0.0282	<0.0167	<0.0327	<0.322
4,6-Dinitro-2-methylphenol	NS	NS	<0.163	<0.827	<0.851	<0.803	<8.97	<0.174	<0.414	<0.0922	<0.0822	<0.184	<0.173	<0.102	<0.201	<1.98
4-Chloro-3-methylphenol	NS	NS	<0.0233	<0.118	<0.122	<0.115	<1.28	<0.0249	<0.0591	<0.0132	<0.0118	<0.0263	<0.0247	<0.0146	<0.0287	<0.283
4-Nitrophenol	NS	NS	<0.0225	<0.114	<0.117	<0.111	<1.24	<0.024	<0.0569	<0.0127	<0.0113	<0.0254	<0.0238	<0.0141	<0.0276	<0.272

Benzidine	NS	NS	<0.135	<0.686	<0.706	<0.666	<7.44	<0.144	<0.343 J6	<0.0765	<0.0682	<0.152	<0.143	<0.0848	<0.166	<1.64
Benzo(a)anthracene	1.1E+02	2.0E+01	<0.0126	<0.0643	**1.66**	<0.0624	<0.697	<0.0135	<0.0321	**0.123**	<0.00639	<0.0143	<0.0134	<0.00795	<0.0155	<0.153
Bis(2-chloroethyl)ether	6.4E+00	4.7E-01	<0.0238	<0.12	<0.124	<0.117	<1.31 '	<0.0254	<0.0602	<0.0134	<0.012	<0.0268	<0.0252	<0.0149 J4	<0.0292	<0.288
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	9.1E+03	2.1E+03	<0.0143	<0.0725	**1.7**	<0.0704	<0.787	<0.0152	<0.0362	**0.127**	<0.00721	<0.0161	<0.0151	<0.00897	<0.0175	<0.173
Dibenz(a,h)anthracene	1.1E+01	2.1E+00	<0.02	<0.101	<0.104	<0.0981	<1.1	<0.0214	<0.0506	<0.0113	<0.0101	<0.0226	<0.0212	<0.0125	<0.0246	<0.242
Hexachlorobenzene	7.7E+00	7.8E-01	<0.0255	<0.129	<0.133	<0.125	<1.4 '	<0.0272	<0.0646 J6	<0.0144	<0.0128	<0.0288	<0.027	<0.016	<0.0314	<0.309
Indeno(1,2,3-cd)pyrene	1.1E+02	2.1E+01	<0.0203	<0.103	**0.821**	<0.1	<1.12	<0.0217	<0.0515	**0.108**	<0.0102	<0.0229	<0.0215	<0.0128	<0.025	<0.246
Isophorone	NS	NS	<0.022	<0.112	<0.115	<0.108	<1.21	<0.0235	<0.0558	<0.0125	<0.0111	<0.0249	<0.0234	<0.0138	<0.0271	<0.267
Naphthalene	4.0E+02	1.7E+01	<0.018	<0.0916	<0.0943	<0.0889	<0.993	<0.0193	<0.0457	**0.475**	<0.0091	<0.0204	<0.0191	<0.0113	<0.0222	<0.219
Nitrobenzene	NS	NS	<0.0251	<0.127	<0.131	<0.123	<1.38	<0.0268	<0.0635	<0.0142	<0.0126	<0.0283	<0.0266	<0.0157	<0.0308	<0.304
n-Nitrosodimethylamine	NS	NS	<0.107	<0.541	<0.557	<0.525	<5.87	<0.114	<0.27 J6	<0.0603	<0.0538	<0.121	<0.113	<0.0669	<0.131	<1.29
n-Nitrosodi-n-propylamine	NS	NS	<0.024	<0.122	<0.125	<0.118	<1.32	<0.0256	<0.0607	<0.0136	<0.0121	<0.0271	<0.0254	<0.015	<0.0295	<0.291
n-Nitrosodiphenylamine	NS	NS	<0.0544	<0.276	<0.284	<0.268	<2.99	<0.0582	<0.138	<0.0308	<0.0274	<0.0615	<0.0577	<0.0341	<0.067	<0.66
Pentachlorophenol	2.0E+01	4.0E+00	<0.0193	<0.0981	<0.101	<0.0953	<1.06	<0.0207	<0.049	<0.0109	<0.00976	<0.0218	<0.0205	<0.0121	<0.0238	<0.234
Phenol	9.8E+04	3.5E+05	<0.0289	<0.147	<0.151	<0.142	<1.59	<0.0309	<0.0733	**0.564**	<0.0146	<0.0327	<0.0307	<0.0182	<0.0356	<0.351

Sample ID	**2019 RWQCB**	**2019 RWQCB**	**USEPA**	**BS-B1-1**	**BS-B1-1**	**BS-B1-1**	**BS-C1-1**	**BS-C1-1**	**BS-C1-1**	**BS-D1-1**	**BS-D1-1**	**BS-D1-1**	**BS-E1-1**	**BS-E1-1**	**BS-E1-1**	**BS-E1-1**	**BS-F1-1**	**BS-F1-1**	**BS-F1-1**	**BS-G1-1**	**BS-G1-1**
Sample Depth (ft bgs)	**Direct Contact**	**Direct Contact**	**Industrial**	**1.0**	**2.0**	**3.0**	**1.0**	**2.0**	**3.0**	**1.0**	**2.0**	**3.0**	**1.0**	**2.0**	**3.0**	**4.0**	**1.0**	**2.0**	**3.0**	**1.0**	**2.0**
Sample Date	**ruction Worker**	**rcial / Industrial ESLs[1]**	**RSLs[2]**	**5/20/2024**	**5/20/2024**	**5/20/2024**	**5/21/2024**	**5/21/2024**	**5/21/2024**	**5/24/2024**	**5/24/2024**	**5/24/2024**	**5/22/2024**	**5/22/2024**	**5/22/2024**	**5/22/2024**	**5/28/2024**	**5/28/2024**	**5/28/2024**	**5/29/2024**	**5/29/2024**
LE ORGANIC COMPOUNDS - 8270C (mg/kg)																					
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	—	<0.0252	<0.0243	<0.134	<0.0225	<0.0111 R	<0.0136 R	<0.115	<0.0229	<0.114	<0.127	<0.0235	<0.0141	<0.0122	<0.114	<0.114	<0.024	<0.0121	<0.0238
1,2-Dichlorobenzene	7.8E+03	9.4E+03	—	<0.0238	<0.023	<0.127	<0.0213	<0.0106	<0.0129	<0.109	<0.0217	<0.109	<0.12	<0.0222	<0.0134	<0.0116	<0.108	<0.108	<0.0227	<0.0115	<0.0225
1,3-Dichlorobenzene	NS	NS	NS	<0.0244	<0.0236	<0.13	<0.0218	<0.0108	<0.0132	<0.112	<0.0222	<0.111	<0.123	<0.0228	<0.0137	<0.0119	<0.11	<0.11	<0.0233	<0.0118	<0.0231
1,4-Dichlorobenzene	2.8E+02	1.2E+01	—	<0.024	<0.0231	<0.128	<0.0214	<0.0106	<0.013	<0.11	<0.0218	<0.109	<0.121	<0.0224	<0.0134	<0.0116	<0.108	<0.108	<0.0229	<0.0116	<0.0226
2,4,6-Tribromophenol	NS	NS	7.4E+03	**0.502**	**0.575**	**0.539**	**0.345**	**0.279**	**0.32**	**0.519**	**0.558**	**0.447**	**0.51**	**0.477**	**0.386**	**0.322**	**0.264**	**0.235**	**0.451**	**0.417**	**0.562**
2,4,6-Trichlorophenol	3.5E+02	4.7E+01	—	<0.0259	<0.025	<0.138	<0.0231	<0.0115	<0.014	<0.118	<0.0235	<0.118	<0.13	<0.0242	<0.0145	<0.0126	<0.117	<0.117	<0.0247	<0.0125	<0.0244
2,4-Dichlorophenol	1.1E+03	3.5E+03	—	<0.0235	<0.0226	<0.125	<0.021	<0.0104	<0.0127	<0.107	<0.0213	<0.107	<0.118	<0.0219	<0.0132	<0.0114	<0.106	<0.106	<0.0224	<0.0113	<0.0222
2,4-Dimethylphenol	7.1E+03	2.3E+04	—	<0.0211	<0.0203	<0.112	<0.0188	<0.00932	<0.0114	<0.0962	<0.0191	<0.0957	<0.106	<0.0196	<0.0118	<0.0102	<0.0952	<0.0951	<0.0201	<0.0102	<0.0199
2,4-Dinitrophenol	7.1E+02	2.3E+03	—	<0.189	<0.182	<1	<0.169	<0.0834	<0.102	<0.862	<0.172	<0.857	<0.948	<0.176	<0.106	<0.0915	<0.852	<0.852	<0.18	<0.091	<0.178
2,4-Dinitrotoluene	7.9E+01	1.1E+01	—	<0.0231	<0.0223	<0.123	<0.0206	<0.0102	<0.0125	<0.106	<0.021	<0.105	<0.116	<0.0216	<0.013	<0.0112	<0.104	<0.104	<0.022	<0.0112	<0.0218
2,6-Dinitrotoluene	NS	NS	3.4E+00	<0.0264	<0.0254	<0.141	<0.0236	<0.0117	<0.0143	<0.121	<0.024	<0.12	<0.133	<0.0246	<0.0148	<0.0128	<0.119	<0.119	<0.0252	<0.0127	<0.0249
2-Chloronaphthalene	NS	NS	6.0E+04	<0.0142	<0.0137	<0.0755	<0.0126	<0.00626	<0.00766	<0.0647	<0.0129	<0.0644	<0.0712	<0.0132	<0.00794	<0.00687	<0.064	<0.064	<0.0135	<0.00683	<0.0134
2-Chlorophenol	1.8E+03	5.8E+03	—	<0.0266	<0.0257	<0.142	<0.0238	<0.0118	<0.0144	<0.122	<0.0242	<0.121	<0.134	<0.0248	<0.0149	<0.0129	<0.12	<0.12	<0.0254	<0.0128	<0.0251
2-Fluorophenol	NS	NS	NS	**0.506**	**0.532**	**0.593**	**0.495**	**0.367**	**0.363**	**0.592**	**0.438**	**0.539**	**0.522**	**0.479**	**0.372**	**0.319**	**0.403**	**0.408**	**0.398**	**0.379**	**0.481**
2-Nitrophenol	NS	NS	NS	<0.0288	<0.0278	<0.154	<0.0257	<0.0127	<0.0156	<0.132	<0.0262	<0.131	<0.145	<0.0269	<0.0161	<0.014	<0.13	<0.13	<0.0275	<0.0139	<0.0272
3,3-Dichlorobenzidine	2.0E+01	2.7E+00	—	<0.0298	<0.0287	<0.159	<0.0266	<0.0132	<0.0161	<0.136	<0.027	<0.135	<0.15	<0.0278	<0.0167	<0.0144	<0.135	<0.135	<0.0284	<0.0144	<0.0281
4,6-Dinitro-2-methylphenol	NS	NS	NS	<0.183	<0.176	<0.974	<0.163	<0.0808	<0.0989	<0.835	<0.166	<0.831	<0.918	<0.17	<0.102	<0.0887	<0.826	<0.826	<0.174	<0.0882	<0.172
4-Chloro-3-methylphenol	NS	NS	NS	<0.0261	<0.0252	<0.139	<0.0233	<0.0116	<0.0141	<0.119	<0.0237	<0.119	<0.131	<0.0244	<0.0146	<0.0127	<0.118	<0.118	<0.0249	<0.0126	<0.0247
4-Nitrophenol	NS	NS	NS	<0.0252	<0.0243	<0.134	<0.0225	<0.0111	<0.0136	<0.115	<0.0229	<0.114	<0.127	<0.0235	<0.0141	<0.0122	<0.114	<0.114	<0.024	<0.0121	<0.0238
Benzidine	NS	NS	1.0E-02	<0.151	<0.146	<0.808	<0.135	<0.067	<0.082	<0.692	<0.137	<0.689	<0.761	<0.141	<0.0849	<0.0735	<0.685	<0.685	<0.144	<0.0731	<0.143
Benzo(a)anthracene	1.1E+02	2.0E+01	—	<0.0142	<0.0137	<0.0757	<0.0126	<0.00628	<0.00769	<0.0649	**0.46**	<0.0646	<0.0714	**0.164**	<0.00796	**0.337 J**	**0.415**	**0.44**	<0.0135	<0.00686	<0.0134
Benzo(a)pyrene	1.0E+01	2.1E+00	—	<0.015	<0.0145	<0.0799	**0.0788**	<0.00663	<0.00811	<0.0685	**0.565**	<0.0681	<0.0753	**0.27**	**0.0669**	**0.513 J**	**0.48**	**0.477**	<0.0143	<0.00723	<0.0142
Bis(2-chloroethyl)ether	6.4E+00	4.7E-01	—	<0.0266	<0.0257	<0.142	<0.0238	<0.0118	<0.0144	<0.122	<0.0242	<0.121	<0.134	<0.0248	<0.0149	<0.0129	<0.12	<0.12	<0.0254	<0.0128	<0.0251
Chrysene	9.1E+03	2.1E+03	—	<0.016	<0.0154	<0.0854	**0.0757**	<0.00709	<0.00867	<0.0732	**0.747**	<0.0728	<0.0805	**0.215**	**0.0537**	**0.364 J**	**0.598**	**0.826**	<0.0152	<0.00773	<0.0151
Dibenz(a,h)anthracene	1.1E+01	2.1E+00	—	<0.0224	<0.0216	<0.119	<0.02	<0.00988	<0.0121	<0.102	**0.0954**	<0.102	<0.112	<0.0209	<0.0125	**0.0964**	<0.101	<0.101	<0.0214	<0.0108	<0.0211
Hexachlorobenzene	7.7E+00	7.8E-01	—	<0.0286	<0.0275	<0.152	<0.0255	<0.0126	<0.0155	<0.131	<0.0259	<0.13	<0.144	<0.0266	<0.016	<0.0139	<0.129	<0.129	<0.0272	<0.0138	<0.027
Indeno(1,2,3-cd)pyrene	1.1E+02	2.1E+01	—	<0.0227	<0.0219	<0.121	<0.0203	<0.0101	<0.0123	<0.104	**0.269**	<0.104	<0.114	**0.163**	**0.0689**	**0.425 J**	<0.103	<0.103	<0.0217	<0.011	<0.0215
Isophorone	NS	NS	2.4E+03	<0.0247	<0.0238	<0.132	<0.022	<0.0109	<0.0134	<0.113	<0.0224	<0.112	<0.124	<0.023	<0.0138	<0.012	<0.112	<0.112	<0.0235	<0.0119	<0.0233
Naphthalene	4.0E+02	1.7E+01	—	<0.0202	<0.0195	<0.108	<0.018	<0.00895	<0.011	<0.0925	<0.0184	<0.092	<0.102	**0.0826**	**0.0708**	**0.168**	<0.0915	<0.0914	<0.0193	<0.00976	<0.0191
Nitrobenzene	NS	NS	2.2E+01	<0.0281	<0.0271	<0.15	<0.0251	<0.0124	<0.0152	<0.128	<0.0255	<0.128	<0.141	<0.0262	<0.0157	<0.0136	<0.127	<0.127	<0.0268	<0.0135	<0.0265
n-Nitrosodimethylamine	NS	NS	3.4E-02	<0.12	<0.115	<0.637	<0.107	<0.0529	<0.0647	<0.546	<0.109	<0.544	<0.601	<0.112	<0.067	<0.058	<0.54	<0.54	<0.114	<0.0577	<0.113
n-Nitrosodi-n-propylamine	NS	NS	3.3E-01	<0.0269	<0.0259	<0.143	<0.024	<0.0119	<0.0145	<0.123	<0.0244	<0.122	<0.135	<0.0251	<0.0151	<0.013	<0.121	<0.121	<0.0256	<0.013	<0.0254
n-Nitrosodiphenylamine	NS	NS	4.7E+02	<0.061	<0.0588	<0.325	<0.0545	<0.027	<0.033	<0.279	<0.0554	<0.277	<0.307	<0.0569	<0.0342	<0.0296	<0.276	<0.276	<0.0582	<0.0294	<0.0576
Pentachlorophenol	2.0E+01	4.0E+00	—	<0.0217	<0.0209	<0.116	<0.0193	<0.00959	<0.0117	<0.0991	<0.0197	<0.0986	<0.109	<0.0202	<0.0122	<0.0105	<0.098	<0.098	<0.0207	<0.0105	<0.0204
Phenol	9.8E+04	3.5E+05	—	<0.0324	<0.0313	<0.173	<0.029	<0.0143	<0.0176	<0.148	<0.0295	<0.147	<0.163	<0.0303	<0.0182	<0.0157	<0.147	<0.147	<0.0309	<0.0156	<0.0306

Sample ID	**2019 RWQCB**	**2019 RWQCB**	**BS-G1-1**	**BS-I1-1**	**BS-I1-1**	**BS-I1-1**	**BS-I1-1**	**BS-I2-1**	**BS-I2-1**	**BS-I2-1**	**BS-I2-1**	**BS-I3-1**	**BS-I3-1**	**BS-I3-1**	**BS-I3-1**	**G/BS-A2-1**	**G/BS-A2-1**	**G/BS-A2-1**	**G/BS-A3-1**	**G/BS-A3-1**	**G/BS-A3-1**
Sample Depth (ft bgs)	**Direct Contact**	**Direct Contact**	**3.0**	**1.0**	**2.0**	**3.0**	**4.0**	**1.0**	**2.0**	**3.0**	**4.0**	**1.0**	**2.0**	**3.0**	**4.0**	**1.0**	**2.0**	**3.0**	**1.0**	**2.0**	**3.0**
Sample Date	**ruction Worker**	**rcial / Industrial ESLs[1]**	**5/29/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/20/2024**	**5/20/2024**	**5/20/2024**	**5/20/2024**	**5/20/2024**	**5/20/2024**
LE ORGANIC COMPOUNDS - 8270C (mg/kg)																					
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	<0.0222	<0.011	<0.0112	<0.0123	<0.15	<0.117	<0.0115	<0.0129	<0.013	<0.0239	<0.024	<0.0241	<0.129	<0.116	<0.0233	<0.0138	<0.0228	<0.0238	<0.123
1,2-Dichlorobenzene	7.8E+03	9.4E+03	<0.0211	<0.0104	<0.0106	<0.0116	<0.143	<0.111	<0.011	<0.0122	<0.0124	<0.0227	<0.0228	<0.0228	<0.123	<0.11	<0.0221	<0.0131	<0.0216	<0.0225	<0.117
1,3-Dichlorobenzene	NS	NS	<0.0216	<0.0107	<0.0108	<0.0119	<0.146	<0.114	<0.0112	<0.0125	<0.0126	<0.0232	<0.0233	<0.0234	<0.125	<0.113	<0.0226	<0.0134	<0.0222	<0.0231	<0.12
1,4-Dichlorobenzene	2.8E+02	1.2E+01	<0.0212	<0.0105	<0.0106	<0.0117	<0.143	<0.112	<0.011	<0.0123	<0.0124	<0.0228	<0.0229	<0.023	<0.123	<0.111	<0.0222	<0.0131	<0.0217	<0.0227	<0.117
2,4,6-Tribromophenol	NS	NS	**0.598**	**0.383**	**0.466**	**0.314**	**0.303**	**0.525**	**0.425**	**0.411**	**0.304**	**0.43**	**0.382**	**0.416**	**0.458**	**0.547**	**0.6**	**0.491**	**0.556**	**0.603**	**0.535**
2,4,6-Trichlorophenol	3.5E+02	4.7E+01	<0.0229	<0.0113	<0.0115	<0.0126	<0.155	<0.121	<0.0119	<0.0133	<0.0134	<0.0246	<0.0247	<0.0248	<0.133	<0.119	<0.024	<0.0142	<0.0235	<0.0245	<0.127
2,4-Dichlorophenol	1.1E+03	3.5E+03	<0.0207	<0.0102	<0.0104	<0.0114	<0.14	<0.11	<0.0108	<0.012	<0.0121	<0.0223	<0.0224	<0.0225	<0.12	<0.108	<0.0217	<0.0129	<0.0213	<0.0222	<0.115
2,4-Dimethylphenol	7.1E+03	2.3E+04	<0.0186	<0.00919	<0.00934	<0.0103	<0.126	<0.0982	<0.00966	<0.0108	<0.0109	<0.02	<0.0201	<0.0202	<0.108	<0.097	<0.0195	<0.0115	<0.0191	<0.0199	<0.103
2,4-Dinitrophenol	7.1E+02	2.3E+03	<0.167	<0.0823	<0.0836	<0.0918	<1.13	<0.879	<0.0865	<0.0966	<0.0975	<0.179	<0.18	<0.181	<0.967	<0.869	<0.175	<0.103	<0.171	<0.179	<0.923
2,4-Dinitrotoluene	7.9E+01	1.1E+01	<0.0204	<0.0101	<0.0103	<0.0113	<0.138	<0.108	<0.0106	<0.0118	<0.012	<0.022	<0.0221	<0.0221	<0.119	<0.107	<0.0214	<0.0127	<0.021	<0.0219	<0.113
2,6-Dinitrotoluene	NS	NS	<0.0233	<0.0115	<0.0117	<0.0128	<0.158	<0.123	<0.0121	<0.0135	<0.0136	<0.0251	<0.0252	<0.0253	<0.135	<0.122	<0.0244	<0.0144	<0.0239	<0.0249	<0.129
2-Chloronaphthalene	NS	NS	<0.0125	<0.00618	<0.00628	<0.00689	<0.0846	<0.066	<0.00649	<0.00726	<0.00732	<0.0135	<0.0135	<0.0136	<0.0727	<0.0652	<0.0131	<0.00775	<0.0128	<0.0134	<0.0693
2-Chlorophenol	1.8E+03	5.8E+03	<0.0235	<0.0116	<0.0118	<0.013	<0.159	<0.124	<0.0122	<0.0136	<0.0138	<0.0253	<0.0254	<0.0255	<0.137	<0.123	<0.0247	<0.0146	<0.0242	<0.0252	<0.13
2-Fluorophenol	NS	NS	**0.472**	**0.428**	**0.511**	**0.345**	**0.394**	**0.529**	**0.467**	**0.469**	**0.41**	**0.469**	**0.432**	**0.458**	**0.413**	**0.596**	**0.573**	**0.505**	**0.578**	**0.515**	**0.603**
2-Nitrophenol	NS	NS	<0.0254	<0.0126	<0.0128	<0.014	<0.172	<0.134	<0.0132	<0.0148	<0.0149	<0.0274	<0.0275	<0.0276	<0.148	<0.133	<0.0267	<0.0158	<0.0261	<0.0272	<0.141
3,3-Dichlorobenzidine	2.0E+01	2.7E+00	<0.0263	<0.013	<0.0132	<0.0145	<0.178	<0.139	<0.0137	<0.0153	<0.0154	<0.0283	<0.0284	<0.0285	<0.153	<0.137	<0.0276	<0.0163	<0.027	<0.0281	<0.146
4,6-Dinitro-2-methylphenol	NS	NS	<0.161	<0.0797	<0.081	<0.089	<1.09	<0.852	<0.0838	<0.0936	<0.0945	<0.174	<0.174	<0.175	<0.938	<0.842	<0.169	<0.1	<0.166	<0.173	<0.895
4-Chloro-3-methylphenol	NS	NS	<0.0231	<0.0114	<0.0116	<0.0127	<0.156	<0.122	<0.012	<0.0134	<0.0135	<0.0248	<0.025	<0.025	<0.134	<0.12	<0.0242	<0.0143	<0.0237	<0.0247	<0.128
4-Nitrophenol	NS	NS	<0.0222	<0.011	<0.0112	<0.0123	<0.15	<0.117	<0.0115	<0.0129	<0.013	<0.0239	<0.024	<0.0241	<0.129	<0.116	<0.0233	<0.0138	<0.0228	<0.0238	<0.123
Benzidine	NS	NS	<0.134	<0.0661	<0.0672	<0.0738	<0.905	<0.707	<0.0695	<0.0776	<0.0783	<0.144	<0.144	<0.145	<0.777	<0.698	<0.14	<0.083	<0.137	<0.143	<0.742
Benzo(a)anthracene	1.1E+02	2.0E+01	<0.0125	<0.0062	<0.0063	<0.00692	**0.502**	<0.0663	<0.00652	<0.00728	<0.00735	<0.0135	<0.0135	<0.0136	<0.0729	<0.0655	<0.0131	<0.00778	**0.133**	<0.0134	<0.0696
Benzo(a)pyrene	1.0E+01	2.1E+00	<0.0133	<0.00654	<0.00664	<0.00729	**0.705**	<0.0699	<0.00687	<0.00768	<0.00775	<0.0143	<0.0143	<0.0144	<0.0769	<0.069	<0.0139	<0.0082	**0.154**	<0.0142	<0.0734
Bis(2-chloroethyl)ether	6.4E+00	4.7E-01	<0.0235	<0.0116	<0.0118	<0.013	<0.159	<0.124	<0.0122	<0.0136	<0.0138	<0.0253 J4	<0.0254 J4	<0.0255 J4	<0.137	<0.123	<0.0247	<0.0146	<0.0242	<0.0252	<0.13
Chrysene	9.1E+03	2.1E+03	<0.0141	<0.00699	<0.00711	<0.0078	**0.546**	<0.0747	<0.00735	<0.00821	<0.00828	<0.0152	<0.0153	<0.0153	<0.0822	<0.0738	<0.0148	<0.00877	**0.17**	<0.0151	<0.0785
Dibenz(a,h)anthracene	1.1E+01	2.1E+00	<0.0198	<0.00975	<0.00991	<0.0109	<0.133	<0.104	<0.0102	<0.0114	<0.0115	<0.0213	<0.0214	<0.0215	<0.115	<0.103	<0.0207	<0.0122	<0.0203	<0.0212	<0.109
Hexachlorobenzene	7.7E+00	7.8E-01	<0.0252	<0.0125	<0.0127	<0.0139	<0.171	<0.133	<0.0131	<0.0146	<0.0148	<0.0271	<0.0273	<0.0274	<0.147	<0.132	<0.0264	<0.0156	<0.0259	<0.027	<0.14
Indeno(1,2,3-cd)pyrene	1.1E+02	2.1E+01	<0.0201	<0.00994	<0.0101	<0.0111	<0.136	<0.106	<0.0104	<0.0117	<0.0118	<0.0216	<0.0217	<0.0218	<0.117	<0.105	<0.0211	<0.0125	**0.139**	<0.0215	<0.112
Isophorone	NS	NS	<0.0218	<0.0108	<0.0109	<0.012	<0.147	<0.115	<0.0113	<0.0127	<0.0128	<0.0235	<0.0236	<0.0237	<0.127	<0.114	<0.0229	<0.0135	<0.0224	<0.0233	<0.121
Naphthalene	4.0E+02	1.7E+01	<0.0179	<0.00883	<0.00897	<0.00985	<0.121	<0.0944	<0.00928	<0.0104	<0.0105	<0.0192	<0.0193	<0.0194	<0.104	<0.0932	<0.0187	<0.0111	**0.0881**	<0.0191	<0.0991
Nitrobenzene	NS	NS	<0.0248	<0.0123	<0.0125	<0.0137	<0.168	<0.131	<0.0129	<0.0144	<0.0145	<0.0267	<0.0268	<0.0269	<0.144	<0.129	<0.026	<0.0154	<0.0255	<0.0265	<0.138
n-Nitrosodimethylamine	NS	NS	<0.106	<0.0522	<0.053	<0.0582	<0.714	<0.558	<0.0548	<0.0613	<0.0618	<0.114	<0.114	<0.115	<0.614	<0.551	<0.111	<0.0655	<0.109	<0.113	<0.586
n-Nitrosodi-n-propylamine	NS	NS	<0.0237	<0.0117	<0.0119	<0.0131	<0.16	<0.125	<0.0123	<0.0138	<0.0139	<0.0255	<0.0257	<0.0257	<0.138	<0.124	<0.0249	<0.0147	<0.0244	<0.0254	<0.132
n-Nitrosodiphenylamine	NS	NS	<0.0539	<0.0266	<0.027	<0.0297	<0.364	<0.284	<0.028	<0.0313	<0.0315	<0.058	<0.0582	<0.0584	<0.313	<0.281	<0.0565	<0.0334	<0.0554	<0.0577	<0.299
Pentachlorophenol	2.0E+01	4.0E+00	<0.0191	<0.00946	<0.00962	<0.0106	<0.13	<0.101	<0.00995	<0.0111	<0.0112	<0.0206	<0.0207	<0.0208	<0.111	<0.0999	<0.0201	<0.0119	<0.0197	<0.0205	<0.106
Phenol	9.8E+04	3.5E+05	<0.0286	<0.0142	<0.0144	<0.0158	<0.194	<0.151	<0.0149	<0.0166	<0.0168	<0.0308	<0.031	<0.0311	<0.166	<0.149	<0.03	<0.0178	<0.0294	<0.0307	<0.159

Sample ID	**2019 RWQCB**	**2019 RWQCB**	**G/BS-D4-1**	**G/BS-D4-1**	**G/BS-D4-1**	**G/BS-F4-1**	**G/BS-F4-1**	**G/BS-F4-1**	**G/BS-H1-1**	**G/BS-H1-1**	**G/BS-H1-1**	**G/BS-H1-1**	**G/UC-B1-1**	**G/UC-B1-1**	**G/UC-B1-1**	**G/UC-B1-1**	**G/UC-B1-1**	**G/UC-B4-1**	**G/UC-B4-1**	**G/UC-B4-1**	**G/UC-C1-1**
Sample Depth (ft bgs)	**Direct Contact**	**Direct Contact**	**1.0**	**2.0**	**3.0**	**1.0**	**2.0**	**3.0**	**1.0**	**2.0**	**3.0**	**4.0**	**1.0**	**2.0**	**3.0**	**5.0**	**10.0**	**1.0**	**2.0**	**3.0**	**1.0**
Sample Date	**ruction Worker**	**rcial / Industrial ESLs[1]**	**5/28/2024**	**5/28/2024**	**5/28/2024**	**5/29/2024**	**5/29/2024**	**5/29/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/21/2024**	**5/21/2024**	**5/21/2024**	**5/21/2024**	**5/21/2024**	**5/23/2024**	**5/23/2024**	**5/23/2024**	**5/21/2024**
LE ORGANIC COMPOUNDS - 8270C (mg/kg)																					
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	<0.11	<0.0116	<0.0116	<0.0227	<0.0246	<0.0129	<0.0128	<0.112	<0.276	<0.0136	<0.012	<0.0126 R	<0.0114 T8R	<0.0143	<0.0127	<0.0127	<0.0115	<0.0111	<0.111
1,2-Dichlorobenzene	7.8E+03	9.4E+03	<0.105	<0.011	<0.011	<0.0215	<0.0233	<0.0122	<0.0121	<0.106	<0.261	<0.013	<0.0114	<0.012	<0.0108 T8	<0.0135	<0.012	<0.012	<0.0109	<0.0105	<0.105
1,3-Dichlorobenzene	NS	NS	<0.107	<0.0112	<0.0113	<0.022	<0.0239	<0.0125	<0.0124	<0.108	<0.268	<0.0133	<0.0116	<0.0122	<0.0111 T8	<0.0138	<0.0123	<0.0123	<0.0112	<0.0108	<0.108
1,4-Dichlorobenzene	2.8E+02	1.2E+01	<0.105	<0.011	<0.011	<0.0216	<0.0234	<0.0123	<0.0122	<0.106	<0.263	<0.013	<0.0114	<0.012	<0.0109 T8	<0.0136	<0.0121	<0.0121	<0.011	<0.0106	<0.106
2,4,6-Tribromophenol	NS	NS	**0.453**	**0.153**	**0.359**	**0.463**	**0.214**	**0.223**	**0.431**	**0.383**	**0.419 J7**	**0.313**	**0.272**	**0.277**	**0.323**	**0.302**	**0.267**	**0.302**	**0.439**	**0.388**	**0.312**
2,4,6-Trichlorophenol	3.5E+02	4.7E+01	<0.113	<0.0119	<0.0119	<0.0233	<0.0253	<0.0133	<0.0131	<0.115	<0.284	<0.014	<0.0123	<0.013	<0.0117 T8	<0.0147	<0.013	<0.013	<0.0118	<0.0114	<0.114
2,4-Dichlorophenol	1.1E+03	3.5E+03	<0.103	<0.0108	<0.0108	<0.0212	<0.0229	<0.012	<0.0119	<0.104	<0.257	<0.0127	<0.0112	<0.0118	<0.0106 T8	<0.0133	<0.0118	<0.0118	<0.0107	<0.0104	<0.103
2,4-Dimethylphenol	7.1E+03	2.3E+04	<0.0922	<0.00969	<0.0097	<0.019	<0.0206	<0.0108	<0.0107	<0.0934	<0.231	<0.0114	<0.01	<0.0106	<0.00954 T8	<0.0119	<0.0106	<0.0106	<0.00963	<0.00929	<0.0926
2,4-Dinitrophenol	7.1E+02	2.3E+03	<0.825	<0.0867	<0.0868	<0.17	<0.185	<0.0966	<0.0955	<0.837	<2.07	<0.102	<0.0898 J3	<0.0945	<0.0854 T8	<0.107	<0.0949	<0.0949	<0.0862	<0.0832	<0.829
2,4-Dinitrotoluene	7.9E+01	1.1E+01	<0.101	<0.0106	<0.0106	<0.0208	<0.0226	<0.0118	<0.0117	<0.103	<0.253	<0.0125	<0.011	<0.0116	<0.0105 T8	<0.0131	<0.0116	<0.0116	<0.0106	<0.0102	<0.102
2,6-Dinitrotoluene	NS	NS	<0.115	<0.0121	<0.0121	<0.0238	<0.0258	<0.0135	<0.0134	<0.117	<0.289	<0.0143	<0.0126	<0.0132	<0.012 T8	<0.0149	<0.0133	<0.0133	<0.0121	<0.0116	<0.116
2-Chloronaphthalene	NS	NS	<0.062	<0.00651	<0.00652	<0.0128	<0.0138	<0.00726	<0.00717	<0.0628	<0.155	<0.00768	<0.00674	<0.00709	<0.00641 T8	<0.00802	<0.00712	<0.00713	<0.00647	<0.00625	<0.0623
2-Chlorophenol	1.8E+03	5.8E+03	<0.117	<0.0122	<0.0123	<0.024	<0.026	<0.0136	<0.0135	<0.118	<0.292	<0.0144	<0.0127	<0.0133	<0.0121 T8	<0.0151	<0.0134	<0.0134	<0.0122	<0.0117	<0.117
2-Fluorophenol	NS	NS	**0.498**	**0.242**	**0.38**	**0.47**	**0.357**	**0.376**	**0.478**	**0.448**	**0.351 J7**	**0.393**	**0.352**	**0.333**	**0.373**	**0.344**	**0.385**	**0.244**	**0.464**	**0.382**	**0.6**
2-Nitrophenol	NS	NS	<0.126	<0.0133	<0.0133	<0.026	<0.0282	<0.0148	<0.0146	<0.128	<0.316	<0.0156	<0.0137	<0.0144	<0.013 T8	<0.0163	<0.0145	<0.0145	<0.0132	<0.0127	<0.127
3,3-Dichlorobenzidine	2.0E+01	2.7E+00	<0.13	<0.0137	<0.0137	<0.0268	<0.0291	<0.0153	<0.0151	<0.132	<0.326	<0.0161	<0.0142	<0.0149	<0.0135 T8	<0.0169	<0.015	<0.015	<0.0136	<0.0131	<0.131
4,6-Dinitro-2-methylphenol	NS	NS	<0.8	<0.0841	<0.0842	<0.165	<0.179	<0.0937	<0.0926	<0.811	<2	<0.0991	<0.087	<0.0916	<0.0828 T8	<0.104	<0.092	<0.092	<0.0836	<0.0806	<0.804
4-Chloro-3-methylphenol	NS	NS	<0.114	<0.012	<0.012	<0.0236	<0.0256	<0.0134	<0.0132	<0.116	<0.287	<0.0142	<0.0124 J3	<0.0131	<0.0118 T8	<0.0148	<0.0132	<0.0132	<0.012	<0.0115	<0.115
4-Nitrophenol	NS	NS	<0.11	<0.0116	<0.0116	<0.0227	<0.0246	<0.0129	<0.0128	<0.112	<0.276	<0.0136	<0.012	<0.0126	<0.0114 T8	<0.0143	<0.0127	<0.0127	<0.0115	<0.0111	<0.111
Benzidine	NS	NS	<0.663	<0.0697	<0.0698	<0.136	<0.148	<0.0777 J6	<0.0768	<0.672	<1.66	<0.0821	<0.0722 J6	<0.0759	<0.0686 T8	<0.0858	<0.0762	<0.0763	<0.0693	<0.0668	<0.666
Benzo(a)anthracene	1.1E+02	2.0E+01	**1.26 J**	**0.0938 J**	**0.378 J**	<0.0128	**0.654**	<0.00728	<0.0072	<0.063	**3.37**	<0.0077	<0.00677	<0.00712	<0.00644 T8	<0.00805	<0.00715	**0.112 J**	<0.0065	<0.00627	<0.0625
Benzo(a)pyrene	1.0E+01	2.1E+00	**1.1 J**	**0.112 J**	**0.448 J**	<0.0135	**0.672**	<0.00768	<0.00759	<0.0665	$\boxed{\textbf{2.84}}$	<0.00812	<0.00713	<0.00751	<0.00679 T8	<0.00849	<0.00754	**0.145 J**	<0.00685	<0.00661	<0.0659
Bis(2-chloroethyl)ether	6.4E+00	4.7E-01	<0.117	<0.0122	<0.0123	<0.024	<0.026	<0.0136	<0.0135	<0.118	<0.292	<0.0144	<0.0127	<0.0133	<0.0121 T8	<0.0151	<0.0134	<0.0134	<0.0122	<0.0117	<0.117
Chrysene	9.1E+03	2.1E+03	**1.19 J**	**0.137 J**	**0.495 J**	<0.0144	**0.731**	<0.00821	<0.00812	<0.0711	**3.54**	<0.00869	<0.00763	<0.00803	<0.00726 T8	<0.00908	<0.00806	**0.113 J**	<0.00733	<0.00707	<0.0705
Dibenz(a,h)anthracene	1.1E+01	2.1E+00	<0.0978	<0.0103	**0.0753**	<0.0202	**0.116**	<0.0114	<0.0113	<0.0991	<0.245	<0.0121	<0.0106	<0.0112	<0.0101 T8	<0.0127	<0.0112	<0.0112	<0.0102	<0.00985	<0.0983
Hexachlorobenzene	7.7E+00	7.8E-01	<0.125	<0.0131	<0.0132	<0.0257	<0.0279	<0.0146	<0.0145	<0.127	<0.313	<0.0155	<0.0136	<0.0143	<0.0129 T8	<0.0162	<0.0144	<0.0144	<0.0131	<0.0126	<0.126
Indeno(1,2,3-cd)pyrene	1.1E+02	2.1E+01	**0.638 J**	**0.0688 J**	**0.255 J**	<0.0205	**0.461**	<0.0117	<0.0115	<0.101	<0.249	<0.0123	<0.0108	<0.0114	<0.0103 T8	<0.0129	<0.0115	**0.112**	<0.0104	<0.01	<0.1
Isophorone	NS	NS	<0.108	<0.0114	<0.0114	<0.0223	<0.0241	<0.0127	<0.0125	<0.11	<0.271	<0.0134	<0.0118	<0.0124	<0.0112 T8	<0.014	<0.0124	<0.0124	<0.0113	<0.0109	<0.109
Naphthalene	4.0E+02	1.7E+01	<0.0886	<0.00931	**0.0607**	<0.0182	<0.0198	<0.0104	<0.0103	<0.0898	**5.57**	<0.011	<0.00964	<0.0101	<0.00917 T8	<0.0115	<0.0102	**0.392**	<0.00925	<0.00893	<0.089
Nitrobenzene	NS	NS	<0.123	<0.0129	<0.0129	<0.0253	<0.0274	<0.0144	<0.0142	<0.125	<0.308	<0.0152	<0.0134	<0.0141	<0.0127 T8	<0.0159	<0.0141	<0.0141	<0.0128	<0.0124	<0.123
n-Nitrosodimethylamine	NS	NS	<0.523	<0.055	<0.0551	<0.108	<0.117	<0.0613	<0.0606	<0.531	<1.31	<0.0648	<0.0569	<0.0599	<0.0542 T8	<0.0677	<0.0602	<0.0602	<0.0547	<0.0527	<0.526
n-Nitrosodi-n-propylamine	NS	NS	<0.118	<0.0124	<0.0124	<0.0242	<0.0263	<0.0138	<0.0136	<0.119	<0.295	<0.0146	<0.0128	<0.0135	<0.0122 T8	<0.0152	<0.0135	<0.0135	<0.0123	<0.0119	<0.118
n-Nitrosodiphenylamine	NS	NS	<0.267	<0.0281	<0.0281	<0.055	<0.0596	<0.0313	<0.0309	<0.271	<0.669	<0.0331	<0.029	<0.0306	<0.0276 T8	<0.0346	<0.0307	<0.0307	<0.0279	<0.0269	<0.268
Pentachlorophenol	2.0E+01	4.0E+00	<0.0949	<0.00998	<0.00999	<0.0195	<0.0212	<0.0111	<0.011	<0.0962	<0.237	<0.0118	<0.0103	<0.0109	<0.00982 T8	<0.0123	<0.0109	<0.0109	<0.00992	<0.00957	<0.0954
Phenol	9.8E+04	3.5E+05	<0.142	<0.0149	**0.448**	<0.0292	<0.0317	<0.0166	<0.0164	<0.144	<0.356	<0.0176	<0.0154 J3J6	<0.0163	<0.0147 T8	<0.0184	<0.0163	<0.0163	<0.0148	<0.0143	<0.143

Sample ID	**2019 RWQCB**	**2019 RWQCB**	**G/UC-C1-1**	**G/UC-C1-1**	**G/UC-C4-1**	**G/UC-C4-1**	**G/UC-C4-1**	**G/UC-H4-1**	**G/UC-H4-1**	**G/UC-H4-1**	**G/UC-H4-1**	**G/UC-I1-1**	**G/UC-I1-1**	**G/UC-I1-1**	**G/UC-I1-1**	**G/UC-I1-1**	**G/UC-I2-1**	**G/UC-I2-1**	**G/UC-I2-1**	**G/UC-I2-1**	**G/UC-I2-1**
Sample Depth (ft bgs)	**Direct Contact**	**Direct Contact**	**2.0**	**3.0**	**1.0**	**2.0**	**3.0**	**1.0**	**2.0**	**3.0**	**4.0**	**1.0**	**2.0**	**3.0**	**4.0**	**8.0**	**1.0**	**2.0**	**3.0**	**4.0**	**8.0**

Sample Date	ruction Worker	rcial / Industrial ESLs[1]	5/21/2024	5/21/2024	5/22/2024	5/22/2024	5/22/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024
E ORGANIC COMPOUNDS - 8270C (mg/kg)																					
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	<0.113	<0.116	<0.0119	<0.012	<0.123	<0.0111	<0.0238	<0.0235	<0.026	<0.0132	<0.0122	<0.0276	<0.0138	<0.0125	<0.118	<0.0116	<0.0137	<0.0137	<0.135
1,2-Dichlorobenzene	7.8E+03	9.4E+03	<0.107	<0.11	<0.0113	<0.0114	<0.117	<0.0105	<0.0225	<0.0223	<0.0246	<0.0125	<0.0116	<0.0262	<0.0131	<0.0119	<0.112	<0.011	<0.013	<0.013	<0.128
1,3-Dichlorobenzene	NS	NS	<0.109	<0.112	<0.0116	<0.0117	<0.12	<0.0108	<0.0231	<0.0229	<0.0253	<0.0128	<0.0119	<0.0268	<0.0134	<0.0122	<0.115	<0.0112	<0.0133	<0.0133	<0.131
1,4-Dichlorobenzene	2.8E+02	1.2E+01	<0.107	<0.11	<0.0114	<0.0115	<0.117	<0.0106	<0.0226	<0.0224	<0.0248	<0.0126	<0.0117	<0.0263	<0.0132	<0.0119	<0.113	<0.011	<0.0131	<0.013	<0.128
2,4,6-Tribromophenol	NS	NS	**0.485**	**0.422**	**0.254**	**0.311**	**0.402**	**0.362**	**0.478**	**0.24**	**0.336**	**0.41**	**0.569**	**0.48**	**0.303**	**0.321**	**0.75**	**0.41**	**0.406**	**0.25**	**0.439**
2,4,6-Trichlorophenol	3.5E+02	4.7E+01	<0.116	<0.119	<0.0123	<0.0124	<0.127	<0.0114	<0.0244	<0.0242	<0.0268	<0.0136	<0.0126	<0.0284	<0.0142	<0.0129	<0.122	<0.0119	<0.0141	<0.0141	<0.139
2,4-Dichlorophenol	1.1E+03	3.5E+03	<0.105	<0.108	<0.0111	<0.0112	<0.115	<0.0103	<0.0222	<0.022	<0.0243	<0.0123	<0.0114	<0.0258	<0.0129	<0.0117	<0.11	<0.0108	<0.0128	<0.0128	<0.126
2,4-Dimethylphenol	7.1E+03	2.3E+04	<0.0942	<0.0967	<0.00997	<0.0101	<0.103	<0.00928	<0.0199	<0.0197	<0.0218	<0.011	<0.0102	<0.0231	<0.0116	<0.0105	<0.099	<0.00967	<0.0115	<0.0115	<0.113
2,4-Dinitrophenol	7.1E+02	2.3E+03	<0.843	<0.866	<0.0893	<0.0901	<0.923	<0.0831	<0.178	<0.177	<0.195	<0.0987	<0.0916	<0.207	<0.104	<0.0938	<0.887	<0.0866	<0.103	<0.103	<1.01
2,4-Dinitrotoluene	7.9E+01	1.1E+01	<0.103	<0.106	<0.0109	<0.0111	<0.113	<0.0102	<0.0218	<0.0216	<0.0239	<0.0121	<0.0112	<0.0254	<0.0127	<0.0115	<0.109	<0.0106	<0.0126	<0.0126	<0.124
2,6-Dinitrotoluene	NS	NS	<0.118	<0.121	<0.0125	<0.0126	<0.129	<0.0116	<0.0249	<0.0247	<0.0273	<0.0138	<0.0128	<0.0289	<0.0145	<0.0131	<0.124	<0.0121	<0.0144	<0.0144	<0.141
2-Chloronaphthalene	NS	NS	<0.0633	<0.065	<0.0067	<0.00677	<0.0693	<0.00624	<0.0134	<0.0132	<0.0146	<0.00741	<0.00688	<0.0155	<0.00778	<0.00704	<0.0666	<0.0065	<0.00772	<0.0077	<0.0758
2-Chlorophenol	1.8E+03	5.8E+03	<0.119	<0.122	<0.0126	<0.0127	<0.13	<0.0117	<0.0251	<0.0249	<0.0275	<0.0139	<0.0129	<0.0292	<0.0146	<0.0132	<0.125	<0.0122	<0.0145	<0.0145	<0.143
2-Fluorophenol	NS	NS	**0.569**	**0.563**	**0.408**	**0.325**	**0.47**	**0.427**	**0.407**	**0.395**	**0.362**	**0.455**	**0.457**	**0.52**	**0.361**	**0.387**	**0.853 J1**	**0.464**	**0.466**	**0.313**	**0.398**
2-Nitrophenol	NS	NS	<0.129	<0.132	<0.0136	<0.0138	<0.141	<0.0127	<0.0272	<0.0269	<0.0298	<0.0151	<0.014	<0.0316	<0.0158	<0.0143	<0.135	<0.0132	<0.0157	<0.0157	<0.154
3,3-Dichlorobenzidine	2.0E+01	2.7E+00	<0.133	<0.137	<0.0141	<0.0142	<0.146	<0.0131	<0.0281	<0.0278	<0.0308	<0.0156	<0.0145	<0.0327	<0.0163	<0.0148	<0.14	<0.0137	<0.0162	<0.0162	<0.159
4,6-Dinitro-2-methylphenol	NS	NS	<0.817	<0.839	<0.0865	<0.0874	<0.894	<0.0805	<0.172	<0.171	<0.189	<0.0957	<0.0888	<0.2	<0.1	<0.0909	<0.86	<0.0839	<0.0997	<0.0994	<0.979
4-Chloro-3-methylphenol	NS	NS	<0.117	<0.12	<0.0124	<0.0125	<0.128	<0.0115	<0.0247	<0.0244	<0.027	<0.0137	<0.0127	<0.0287	<0.0144	<0.013	<0.123	<0.012	<0.0143	<0.0142	<0.14
4-Nitrophenol	NS	NS	<0.113	<0.116	<0.0119	<0.012	<0.123	<0.0111	<0.0238	<0.0235	<0.026	<0.0132	<0.0122	<0.0276	<0.0138	<0.0125	<0.118	<0.0116	<0.0137	<0.0137	<0.135
Benzidine	NS	NS	<0.677	<0.696	<0.0717	<0.0724	<0.741	<0.0668	<0.143	<0.141	<0.156	<0.0793	<0.0736	<0.166 J3J6	<0.0832	<0.0754	<0.713	<0.0696	<0.0826	<0.0824	<0.812
Benzo(a)anthracene	1.1E+02	2.0E+01	<0.0635	<0.0653	**0.342**	**0.157**	<0.0695	<0.00626	<0.0134	<0.0132	**0.929**	<0.00744	<0.00691	<0.0155	<0.0078	<0.00707	<0.0668	<0.00653	<0.00775	**0.054**	<0.0761
Benzo(a)pyrene	1.0E+01	2.1E+00	<0.067	<0.0688	**0.534**	**0.25**	<0.0733	<0.0066	<0.0142	<0.014	**1.12**	<0.00785	<0.00728	<0.0165	<0.00823	<0.00745	<0.0705	<0.00688	<0.00817	**0.0582**	<0.0802
Bis(2-chloroethyl)ether	6.4E+00	4.7E-01	<0.119	<0.122	<0.0126	<0.0127	<0.13	<0.0117 J4	<0.0251	<0.0249	<0.0275	<0.0139	<0.0129	<0.0292	<0.0146	<0.0132	<0.125 J4	<0.0122 J4	<0.0145 J4	<0.0145	<0.143
Chrysene	9.1E+03	2.1E+03	<0.0716	<0.0736	**0.393**	**0.174**	<0.0784	<0.00706	<0.0151	<0.0149	**1.2**	<0.00839	<0.00779	<0.0175	<0.0088	<0.00797	<0.0754	<0.00736	<0.00874	**0.0545**	<0.0858
Dibenz(a,h)anthracene	1.1E+01	2.1E+00	<0.0999	<0.103	**0.112**	**0.0467**	<0.109	<0.00984	<0.0211	<0.0209	**0.18**	<0.0117	<0.0109	<0.0246	<0.0123	<0.0111	<0.105	<0.0103	<0.0122	<0.0122	<0.12
Hexachlorobenzene	7.7E+00	7.8E-01	<0.128	<0.131	<0.0135	<0.0137	<0.14	<0.0126	<0.027	<0.0267	<0.0295	<0.015	<0.0139	<0.0313	<0.0157	<0.0142	<0.134	<0.0131	<0.0156	<0.0155	<0.153
Indeno(1,2,3-cd)pyrene	1.1E+02	2.1E+01	<0.102	<0.105	**0.434**	**0.218**	<0.111	<0.01	<0.0215	<0.0213	**0.669**	<0.0119	<0.0111	<0.025	<0.0125	<0.0113	<0.107	<0.0105	<0.0124	<0.0124	<0.122
Isophorone	NS	NS	<0.11	<0.113	<0.0117	<0.0118	<0.121	<0.0109	<0.0233	<0.0231	<0.0255	<0.0129	<0.012	<0.0271	<0.0136	<0.0123	<0.116	<0.0113	<0.0135	<0.0134	<0.132
Naphthalene	4.0E+02	1.7E+01	<0.0905	<0.0929	**0.176**	**0.184**	**0.52**	<0.00892	<0.0191	<0.0189	<0.0209	<0.0106	<0.00983	<0.0222	<0.0111	<0.0101	<0.0952	<0.00929	<0.011	**0.111**	<0.108
Nitrobenzene	NS	NS	<0.126	<0.129	<0.0133	<0.0134	<0.137	<0.0124	<0.0265	<0.0263	<0.029	<0.0147	<0.0136	<0.0308	<0.0154	<0.014	<0.132	<0.0129	<0.0153	<0.0153	<0.15
n-Nitrosodimethylamine	NS	NS	<0.535	<0.549	<0.0566	<0.0572	<0.585	<0.0527	<0.113	<0.112	<0.124	<0.0626	<0.0581	<0.131	<0.0657	<0.0595	<0.562	<0.0549	<0.0652	<0.065	<0.64
n-Nitrosodi-n-propylamine	NS	NS	<0.12	<0.123	<0.0127	<0.0128	<0.131	<0.0118	<0.0254	<0.0251	<0.0278	<0.0141	<0.0131	<0.0295	<0.0148	<0.0134	<0.126	<0.0123	<0.0147	<0.0146	<0.144
n-Nitrosodiphenylamine	NS	NS	<0.273	<0.28	<0.0289	<0.0292	<0.298	<0.0269	<0.0576	<0.057	<0.063	<0.0319	<0.0296	<0.0669	<0.0335	<0.0303	<0.287	<0.028	<0.0333	<0.0332	<0.327
Pentachlorophenol	2.0E+01	4.0E+00	<0.097	<0.0996	<0.0103	<0.0104	<0.106	<0.00956	<0.0204	<0.0203	<0.0224	<0.0114	<0.0105	<0.0238	<0.0119	<0.0108	<0.102	<0.00996	<0.0118	<0.0118	<0.116
Phenol	9.8E+04	3.5E+05	<0.145	<0.149	<0.0154	<0.0155	<0.159	<0.0143	<0.0306	<0.0303	<0.0335	<0.017	<0.0158	<0.0356	<0.0178	<0.0161	<0.153	<0.0149	<0.0177	<0.0176	<0.174

Sample ID	2019 RWQCB	2019 RWQCB	G/UC-I3-1	G/UC-I3-1	G/UC-I3-1	G/UC-I3-1	G/UC-I3-1	G/UC-I4-1	G/UC-I4-1	G/UC-I4-1	G/UC-I4-1	G/UC-I4-1	G-A1-1	G-A1-1	G-A1-1	G-B2-1	G-B2-1	G-B2-1	G-B2-1	G-B3-1	G-B3-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	1.0	2.0	3.0	4.0	8.0	1.0	2.0	3.0	4.0	8.0	1.0	2.0	3.0	1.0	2.0	3.0	5.0	1.0	2.0
Sample Date	ruction Worker	rcial / Industrial ESLs[1]	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/20/2024	5/20/2024	5/20/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024
E ORGANIC COMPOUNDS - 8270C (mg/kg)																					
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	<0.0232	<0.0132	<0.0124	<0.026	<0.0139	<0.012	<0.0114	<0.0124	<0.0254	<0.0128	<0.116	<0.116	<0.0114	<0.0112	<0.0113 R	<0.0113 R	<0.0128	<0.0125	<0.0118 R
1,2-Dichlorobenzene	7.8E+03	9.4E+03	<0.0219	<0.0125	<0.0118	<0.0246	<0.0132	<0.0114	<0.0108	<0.0118	<0.024	<0.0122	<0.11	<0.11	<0.0108	<0.0106	<0.0107	<0.0107	<0.0122	<0.0119	<0.0112
1,3-Dichlorobenzene	NS	NS	<0.0225	<0.0128	<0.0121	<0.0252	<0.0135	<0.0117	<0.0111	<0.0121	<0.0246	<0.0125	<0.113	<0.113	<0.011	<0.0109	<0.011	<0.011	<0.0125	<0.0122	<0.0114
1,4-Dichlorobenzene	2.8E+02	1.2E+01	<0.0221	<0.0126	<0.0119	<0.0247	<0.0133	<0.0114	<0.0109	<0.0119	<0.0242	<0.0122	<0.111	<0.111	<0.0108	<0.0107	<0.0108	<0.0108	<0.0122	<0.012	<0.0112
2,4,6-Tribromophenol	NS	NS	**0.501**	**0.389**	**0.394**	**0.306**	**0.281**	**0.413**	**0.419**	**0.432**	**0.363**	**0.274**	**0.495**	**1.08**	**0.577**	**0.252**	**0.295**	**0.282**	**0.323**	**0.297**	**0.303**
2,4,6-Trichlorophenol	3.5E+02	4.7E+01	<0.0238	<0.0136	<0.0128	<0.0267	<0.0143	<0.0124	<0.0118	<0.0128	<0.0261	<0.0132	<0.119	<0.119	<0.0117	<0.0115	<0.0117	<0.0116	<0.0132	<0.0129	<0.0121
2,4-Dichlorophenol	1.1E+03	3.5E+03	<0.0216	<0.0123	<0.0116	<0.0242	<0.013	<0.0112	<0.0107	<0.0116	<0.0237	<0.012	<0.108	<0.108	<0.0106	<0.0104	<0.0106	<0.0105	<0.012	<0.0117	<0.011
2,4-Dimethylphenol	7.1E+03	2.3E+04	<0.0194	<0.011	<0.0104	<0.0217	<0.0117	<0.01	<0.00956	<0.0104	<0.0212	<0.0107	<0.0971	<0.0971	<0.00951	<0.00936	<0.00947	<0.00946	<0.0107	<0.0105	<0.00985
2,4-Dinitrophenol	7.1E+02	2.3E+03	<0.174	<0.0987	<0.0932	<0.195	<0.104	<0.0899	<0.0856	<0.0932	<0.19 J3J6	<0.0962	<0.869	<0.869 J6	<0.0852	<0.0838	<0.0848	<0.0847	<0.0962	<0.094	<0.0882
2,4-Dinitrotoluene	7.9E+01	1.1E+01	<0.0213	<0.0121	<0.0114	<0.0239	<0.0128	<0.011	<0.0105	<0.0114	<0.0233	<0.0118	<0.107	<0.107	<0.0104	<0.0103	<0.0104	<0.0104	<0.0118	<0.0115	<0.0108
2,6-Dinitrotoluene	NS	NS	<0.0243	<0.0138	<0.013	<0.0272	<0.0146	<0.0126	<0.012	<0.013	<0.0266	<0.0135	<0.122	<0.122	<0.0119	<0.0117	<0.0119	<0.0119	<0.0135	<0.0131	<0.0123
2-Chloronaphthalene	NS	NS	<0.013	<0.00741	<0.007	<0.0146	<0.00784	<0.00675	<0.00643	<0.007	<0.0143	<0.00723	<0.0653	<0.0653	<0.0064	<0.00629	<0.00637	<0.00636	<0.00722	<0.00706	<0.00662
2-Chlorophenol	1.8E+03	5.8E+03	<0.0245	<0.0139	<0.0132	<0.0275	<0.0147	<0.0127	<0.0121	<0.0132	<0.0268	<0.0136	<0.123	<0.123	<0.012	<0.0118	<0.012	<0.012	<0.0136	<0.0133	<0.0125
2-Fluorophenol	NS	NS	**0.462**	**0.416**	**0.472**	**0.368**	**0.346**	**0.439**	**0.469**	**0.469**	**0.428**	**0.364**	**0.669**	**1.12**	**0.615**	**0.327**	**0.37**	**0.354**	**0.387**	**0.362**	**0.367**
2-Nitrophenol	NS	NS	<0.0265	<0.0151	<0.0142	<0.0297	<0.0159	<0.0137	<0.0131	<0.0142	<0.029	<0.0147	<0.133	<0.133	<0.013	<0.0128	<0.013	<0.0129	<0.0147	<0.0144	<0.0135
3,3-Dichlorobenzidine	2.0E+01	2.7E+00	<0.0274	<0.0156	<0.0147	<0.0307	<0.0165	<0.0142	<0.0135	<0.0147	<0.03	<0.0152	<0.137	<0.137	<0.0134	<0.0132	<0.0134	<0.0134	<0.0152	<0.0148	<0.0139
4,6-Dinitro-2-methylphenol	NS	NS	<0.168	<0.0956	<0.0903	<0.189	<0.101	<0.0872	<0.0829	<0.0903	<0.184	<0.0933	<0.843	<0.842	<0.0826	<0.0812	<0.0822	<0.0821	<0.0932	<0.0911	<0.0855
4-Chloro-3-methylphenol	NS	NS	<0.0241	<0.0137	<0.0129	<0.027	<0.0145	<0.0125	<0.0119	<0.0129	<0.0264	<0.0133	<0.121	<0.121	<0.0118	<0.0116	<0.0118	<0.0117	<0.0133	<0.013	<0.0122
4-Nitrophenol	NS	NS	<0.0232	<0.0132	<0.0124	<0.026	<0.0139	<0.012	<0.0114	<0.0124	<0.0254	<0.0128	<0.116	<0.116	<0.0114	<0.0112	<0.0113	<0.0113	<0.0128	<0.0125	<0.0118
Benzidine	NS	NS	<0.139	<0.0793	<0.0749	<0.156	<0.0839	<0.0723	<0.0688	<0.0749	<0.153	<0.0773	<0.699	<0.698	<0.0684	<0.0674	<0.0682	<0.0681	<0.0773	<0.0755	<0.0709
Benzo(a)anthracene	1.1E+02	2.0E+01	<0.013	<0.00743	<0.00702	<0.0146	<0.00787	<0.00678	<0.00645	<0.00702	<0.0143	<0.00725	<0.0655	<0.0655	<0.00642	<0.00632	<0.00639	<0.00638	<0.00725	<0.00708	<0.00665
Benzo(a)pyrene	1.0E+01	2.1E+00	<0.0138	<0.00784	<0.0074	<0.0155	<0.0083	<0.00715	<0.0068	<0.0074	<0.0151	<0.00765	<0.0691	<0.0691	<0.00677	<0.00666	<0.00674	<0.00673	<0.00764	<0.00747	<0.00701
Bis(2-chloroethyl)ether	6.4E+00	4.7E-01	<0.0245	<0.0139	<0.0132	<0.0275	<0.0147	<0.0127	<0.0121	<0.0132	<0.0268	<0.0136	<0.123	<0.123	<0.012	<0.0118	<0.012	<0.012	<0.0136	<0.0133	<0.0125
Chrysene	9.1E+03	2.1E+03	<0.0147	<0.00838	<0.00792	<0.0165	<0.00887	<0.00764	<0.00727	<0.00792	<0.0161	<0.00818	<0.0739	<0.0739	<0.00724	<0.00712	<0.00721	<0.0072	<0.00817	<0.00799	<0.0075
Dibenz(a,h)anthracene	1.1E+01	2.1E+00	<0.0206	<0.0117	<0.011	<0.0231	<0.0124	<0.0107	<0.0101	<0.011	<0.0226	<0.0114	<0.103	<0.103	<0.0101	<0.00993	<0.0101	<0.01	<0.0114	<0.0111	<0.0105
Hexachlorobenzene	7.7E+00	7.8E-01	<0.0263	<0.0149	<0.0141	<0.0295	<0.0158	<0.0136	<0.013	<0.0141	<0.0288	<0.0146	<0.132	<0.132	<0.0129	<0.0127	<0.0128	<0.0128	<0.0146	<0.0142	<0.0134
Indeno(1,2,3-cd)pyrene	1.1E+02	2.1E+01	<0.0209	<0.0119	<0.0113	<0.0235	<0.0126	<0.0109	<0.0103	<0.0113	<0.0229	<0.0116	<0.105	<0.105	<0.0103	<0.0101	<0.0102	<0.0102	<0.0116	<0.0114	<0.0107
Isophorone	NS	NS	<0.0227	<0.0129	<0.0122	<0.0255	<0.0137	<0.0118	<0.0112	<0.0122	<0.0249	<0.0126	<0.114	<0.114	<0.0112	<0.011	<0.0111	<0.0111	<0.0126	<0.0123	<0.0116
Naphthalene	4.0E+02	1.7E+01	<0.0186	<0.0106	<0.01	<0.0209	<0.0112	<0.00965	<0.00918	<0.01	<0.0204	<0.0103	<0.0933	<0.0933	<0.00914	<0.00899	<0.0091	<0.00909	<0.0103	<0.0101	<0.00947
Nitrobenzene	NS	NS	<0.0258	<0.0147	<0.0139	<0.029	<0.0155	<0.0134	<0.0127	<0.0139	<0.0283	<0.0143	<0.129	<0.129	<0.0127	<0.0125	<0.0126	<0.0126	<0.0143	<0.014	<0.0131
n-Nitrosodimethylamine	NS	NS	<0.11	<0.0626	<0.0591	<0.123	<0.0662	<0.057	<0.0543	<0.0591	<0.121	<0.061	<0.551	<0.551 J6	<0.054	<0.0532	<0.0538	<0.0537	<0.061	<0.0596	<0.0559
n-Nitrosodi-n-propylamine	NS	NS	<0.0247	<0.0141	<0.0133	<0.0277	<0.0149	<0.0128	<0.0122	<0.0133	<0.0271	<0.0137	<0.124	<0.124	<0.0121	<0.0119	<0.0121	<0.0121	<0.0137	<0.0134	<0.0126
n-Nitrosodiphenylamine	NS	NS	<0.0561	<0.0319	<0.0301	<0.063	<0.0338	<0.0291	<0.0277	<0.0301	<0.0615	<0.0311	<0.281	<0.281	<0.0276	<0.0271	<0.0274	<0.0274	<0.0311	<0.0304	<0.0285
Pentachlorophenol	2.0E+01	4.0E+00	<0.0199	<0.0113	<0.0107	<0.0224	<0.012	<0.0103	<0.00984	<0.0107	<0.0218	<0.0111	<0.1	<0.1	<0.0098	<0.00964	<0.00976	<0.00974	<0.0111	<0.0108	<0.0101
Phenol	9.8E+04	3.5E+05	<0.0299	<0.017	<0.016	<0.0335	<0.018	<0.0155	<0.0147	<0.016	<0.0327	<0.0166	<0.15	<0.15	<0.0147	<0.0144	<0.0146	<0.0146	<0.0165	<0.0162	<0.0152

Sample ID	2019 RWQCB	2019 RWQCB	G-B3-1	G-C2-1	G-C2-1	G-C2-1	G-C3-1	G-C3-1	G-C3-1	G-D1-1	G-D1-1	G-D1-1	G-D2-1	G-D2-1	G-D2-1	G-D3-1	G-D3-1	G-D3-1	G-E1-1	G-E1-1	G-E1-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	3.0	1.0	2.0	3.0	1.0	2.0	3.0	1.0	2.0	3.0	1.0	2.0	3.0	1.0	2.0	3.0	1.0	2.0	3.0
Sample Date	ruction Worker	rcial / Industrial ESLs[1]	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/22/2024	5/22/2024	5/22/2024
E ORGANIC COMPOUNDS - 8270C (mg/kg)																					
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	<0.0131 R	<0.114	<0.112 R	<0.221	<0.112	<0.0125 R	<0.111	<0.227	<0.116	<0.124	<0.0241	<0.124	<0.0229	<0.0123	<0.0127	<0.0128	<0.119	<0.119	<0.123
1,2-Dichlorobenzene	7.8E+03	9.4E+03	<0.0124	<0.108	<0.107	<0.209	<0.107	<0.0118	<0.105	<0.215	<0.11	<0.118	<0.0228	<0.118	<0.0217	<0.0116	<0.012	<0.0121	<0.113	<0.113	<0.117
1,3-Dichlorobenzene	NS	NS	<0.0127	<0.11	<0.109	<0.214	<0.109	<0.0121	<0.107	<0.221	<0.112	<0.121	<0.0234	<0.121	<0.0223	<0.0119	<0.0123	<0.0124	<0.115	<0.115	<0.12
1,4-Dichlorobenzene	2.8E+02	1.2E+01	<0.0125	<0.108	<0.107	<0.21	<0.107	<0.0119	<0.105	<0.216	<0.11	<0.119	<0.0229	<0.119	<0.0218	<0.0117	<0.0121	<0.0122	<0.113	<0.113	<0.117
2,4,6-Tribromophenol	NS	NS	**0.279**	**0.422**	**0.391**	**0.695 J7**	**0.414**	**0.437**	**0.512**	**0.486 J7**	**0.485**	**0.323**	**0.564**	**0.659**	**0.614**	**0.378**	**0.416**	**0.431**	**0.463**	**0.517**	**0.465**
2,4,6-Trichlorophenol	3.5E+02	4.7E+01	<0.0135	<0.117	<0.115	<0.227	<0.115	<0.0128	<0.114	<0.234	<0.119	<0.128	<0.0248	<0.128	<0.0236	<0.0126	<0.013	<0.0132	<0.122	<0.122	<0.127
2,4-Dichlorophenol	1.1E+03	3.5E+03	<0.0122	<0.106	<0.105	<0.206	<0.105	<0.0116	<0.103	<0.212	<0.108	<0.116	<0.0224	<0.116	<0.0214	<0.0114	<0.0118	<0.0119	<0.111	<0.111	<0.115
2,4-Dimethylphenol	7.1E+03	2.3E+04	<0.0109	<0.095	<0.0939	<0.185	<0.0939	<0.0104	<0.0925	<0.19	<0.0967	<0.104	<0.0201	<0.104	<0.0192	<0.0103	<0.0106	<0.0107	<0.0993	<0.0994	<0.103
2,4-Dinitrophenol	7.1E+02	2.3E+03	<0.098	<0.85	<0.841	<1.65	<0.841	<0.0935	<0.829	<1.7	<0.866	<0.932	<0.181	<0.932	<0.172	<0.0919	<0.0948	<0.0958	<0.889	<0.89	<0.923
2,4-Dinitrotoluene	7.9E+01	1.1E+01	<0.012	<0.104	<0.103	<0.203	<0.103	<0.0115	<0.102	<0.209	<0.106	<0.114	<0.0221	<0.114	<0.021	<0.0113	<0.0116	<0.0117	<0.109	<0.109	<0.113
2,6-Dinitrotoluene	NS	NS	<0.0137	<0.119	<0.118	<0.231	<0.118	<0.0131	<0.116	<0.238	<0.121	<0.13	<0.0252	<0.13	<0.024	<0.0129	<0.0133	<0.0134	<0.124	<0.125	<0.129
2-Chloronaphthalene	NS	NS	<0.00736	<0.0638	<0.0631	<0.124	<0.0631	<0.00702	<0.0622	<0.128	<0.065	<0.07	<0.0135	<0.07	<0.0129	<0.0069	<0.00712	<0.00719	<0.0668	<0.0668	<0.0693
2-Chlorophenol	1.8E+03	5.8E+03	<0.0138	<0.12	<0.119	<0.233	<0.119	<0.0132	<0.117	<0.24	<0.122	<0.132	<0.0255	<0.132	<0.0242	<0.013	<0.0134	<0.0135	<0.126	<0.126	<0.13
2-Fluorophenol	NS	NS	**0.381**	**0.512**	**0.486**	**0.726 J7**	**0.482**	**0.439**	**0.542**	**0.553 J7**	**0.512**	**0.422**	**0.481**	**0.535**	**0.458**	**0.351**	**0.373**	**0.361**	**0.504**	**0.457**	**0.517**
2-Nitrophenol	NS	NS	<0.015	<0.13	<0.128	<0.252	<0.128	<0.0143	<0.127	<0.26	<0.132	<0.142	<0.0275	<0.142	<0.0262	<0.014	<0.0145	<0.0146	<0.136	<0.136	<0.141
3,3-Dichlorobenzidine	2.0E+01	2.7E+00	<0.0155	<0.134	<0.133	<0.261	<0.133	<0.0148	<0.131	<0.269	<0.137	<0.147	<0.0285	<0.147	<0.0271	<0.0145	<0.015	<0.0151	<0.14	<0.141	<0.146
4,6-Dinitro-2-methylphenol	NS	NS	<0.095	<0.824	<0.815	<1.6	<0.815	<0.0906	<0.803	<1.65	<0.839	<0.904	<0.175	<0.904	<0.166	<0.0891	<0.0919	<0.0928	<0.862	<0.863	<0.895
4-Chloro-3-methylphenol	NS	NS	<0.0136	<0.118	<0.117	<0.229	<0.117	<0.013	<0.115	<0.236	<0.12	<0.129	<0.025	<0.129	<0.0238	<0.0127	<0.0131	<0.0133	<0.123	<0.123	<0.128
4-Nitrophenol	NS	NS	<0.0131	<0.114	<0.112	<0.221	<0.112	<0.0125	<0.111	<0.227	<0.116	<0.124	<0.0241	<0.124	<0.0229	<0.0123	<0.0127	<0.0128	<0.119	<0.119	<0.123
Benzidine	NS	NS	<0.0788	<0.683	<0.676	<1.33	<0.676	<0.0751	<0.666	<1.36	<0.696	<0.749	<0.145	<0.749	<0.138	<0.0739	<0.0762 J6	<0.077	<0.714	<0.715	<0.742
Benzo(a)anthracene	1.1E+02	2.0E+01	<0.00739	<0.0641	<0.0634	<0.124	<0.0634	<0.00705	<0.0624	<0.128	<0.0652	**0.403**	**0.465**	**2.93**	**0.533**	<0.00693	**0.129 J3**	<0.00722	<0.067	**0.608**	**1.36**
Benzo(a)pyrene	1.0E+01	2.1E+00	<0.00779	<0.0676	<0.0668	<0.132	<0.0668	<0.00743	<0.0658	<0.135	<0.0688	**0.522**	**0.555**	**3.82**	**0.53**	<0.00731	**0.151 J3**	<0.00761	<0.0706	**0.704**	**1.55**
Bis(2-chloroethyl)ether	6.4E+00	4.7E-01	<0.0138	<0.12	<0.119	<0.233	<0.119	<0.0132	<0.117	<0.24	<0.122	<0.132	<0.0255	<0.132	<0.0242	<0.013	<0.0134	<0.0135	<0.126	<0.126	<0.13
Dibenz(a,h)anthracene	1.1E+01	2.1E+00	<0.0116	<0.101	<0.0996	<0.196	<0.0996	<0.0111	<0.0982	<0.202	<0.103	<0.11	**0.103**	**0.593**	**0.138**	<0.0109	<0.0112	<0.0113	<0.105	<0.105	<0.109
Hexachlorobenzene	7.7E+00	7.8E-01	<0.0148	<0.129	<0.127	<0.25	<0.127	<0.0142	<0.126	<0.258	<0.131	<0.141	<0.0273	<0.141	<0.026	<0.0139	<0.0144	<0.0145	<0.135	<0.135	<0.14
Indeno(1,2,3-cd)pyrene	1.1E+02	2.1E+01	<0.0118	<0.103	<0.102	<0.199	<0.102	<0.0113	<0.1	<0.205	<0.105	<0.113	**0.343**	**1.78**	**0.376**	<0.0111	**0.129 J3**	<0.0116	<0.107	**0.471**	**1.27**
Isophorone	NS	NS	<0.0128	<0.111	<0.11	<0.216	<0.11	<0.0122	<0.108	<0.223	<0.113	<0.122	<0.0236	<0.122	<0.0225	<0.012	<0.0124	<0.0125	<0.116	<0.117	<0.121
Naphthalene	4.0E+02	1.7E+01	<0.0105	<0.0912	<0.0902	<0.177	<0.0902	<0.01	<0.0889	<0.182	<0.0929	<0.1	<0.0193	<0.1	<0.0184	<0.00987	<0.0102	<0.0103	<0.0954	<0.0955	<0.0991
Nitrobenzene	NS	NS	<0.0146	<0.127	<0.125	<0.246	<0.125	<0.0139	<0.123	<0.253	<0.129	<0.139	<0.0268	<0.139	<0.0256	<0.0137	<0.0141	<0.0143	<0.132	<0.133	<0.137
n-Nitrosodimethylamine	NS	NS	<0.0622	<0.539	<0.533	<1.05	<0.533	<0.0593	<0.525	<1.08	<0.549	<0.591	<0.114	<0.591	<0.109	<0.0583	<0.0601	<0.0607	<0.564	<0.564	<0.585
n-Nitrosodi-n-propylamine	NS	NS	<0.014	<0.121	<0.12	<0.235	<0.12	<0.0133	<0.118	<0.242	<0.123	<0.133	<0.0257	<0.133	<0.0245	<0.0131	<0.0135	<0.0136	<0.127	<0.127	<0.132
n-Nitrosodiphenylamine	NS	NS	<0.0317	<0.275	<0.272	<0.535	<0.272	<0.0303	<0.268	<0.55	<0.28	<0.302	<0.0583	<0.302	<0.0555	<0.0297	<0.0307	<0.031	<0.288	<0.288	<0.299
Pentachlorophenol	2.0E+01	4.0E+00	<0.0113	<0.0978	<0.0967	<0.19	<0.0967	<0.0108	<0.0953	<0.195	<0.0996	<0.107	<0.0207	<0.107	<0.0197	<0.0106	<0.0109	<0.011	<0.102	<0.102	<0.106
Phenol	9.8E+04	3.5E+05	<0.0169	<0.146	<0.145	<0.284	<0.145	<0.0161	<0.143	<0.293	<0.149	<0.16	<0.031	<0.16	<0.0295	<0.0158	<0.0163	<0.0165	<0.153	<0.153	<0.159
Pyrene	5.0E+03	2.3E+04	<0.00815	<0.0707	<0.0699	<0.138	<0.0699	<0.00778	<0.0689	<0.142	<0.072	**0.622**	**0.686**	**4.37**	**0.657**	<0.00765	**0.153 J3**	<0.00797	<0.0739	**0.684**	**1.49**

Sample ID	2019 RWQCB	2019 RWQCB	G-E1-1	G-E2-1	G-E2-1	G-E2-1	G-E3-1	G-E3-1	G-E3-1	G-F1-1	G-F1-1	G-F1-1	G-F2-1	G-F2-1	G-F2-1	G-F2-1	G-F2-1	G-F3-1	G-F3-1	G-F3-1	G-G1-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	4.0	1.0	2.0	3.0	1.0	2.0	3.0	1.0	2.0	3.0	1.0	2.0	3.0	4.0	5.0	1.0	2.0	3.0	1.0
Sample Date	ruction Worker	rcial / Industrial ESLs[1]	5/22/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/29/2024	5/29/2024	5/29/2024	5/29/2024	5/29/2024	5/23/2024	5/23/2024	5/23/2024	5/29/2024
E ORGANIC COMPOUNDS - 8270C (mg/kg)																					
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	<0.554	<0.012	<0.0119	<0.0118	<2.42	<0.0125	<0.025	<0.0243	<0.0276	<0.0278	<0.0124	<2.34	<0.123	<0.257	<0.274	<0.0545	<0.0139	<0.0142	<0.0245
1,2-Dichlorobenzene	7.8E+03	9.4E+03	<0.527	<0.0114	<0.0113	<0.0112	<2.29	<0.0119	<0.0237	<0.0231	<0.0261	<0.0263	<0.0118	<2.22	<0.116	<0.243	<0.26	<0.0517	<0.0132	<0.0135	<0.0232
1,3-Dichlorobenzene	NS	NS	<0.538	<0.0116	<0.0116	<0.0115	<2.35	<0.0122	<0.0243	<0.0236	<0.0268	<0.027	<0.0121	<2.28	<0.119	<0.249	<0.266	<0.0529	<0.0135	<0.0138	<0.0238
1,4-Dichlorobenzene	2.8E+02	1.2E+01	<0.529	<0.0114	<0.0114	<0.0113	<2.3	<0.0119	<0.0238	<0.0232	<0.0263	<0.0264	<0.0118	<2.23	<0.117	<0.244	<0.261	<0.052	<0.0133	<0.0135	<0.0233
2,4,6-Tribromophenol	NS	NS	**0.33 J7**	**0.324**	**0.371**	**0.37**	**0.361 J7**	**0.381**	**0.452**	**0.419**	**0.429**	**0.418**	**0.371**	**J7**	**0.253**	**0.532 J7**	**0.444 J7**	**0.344**	**0.239**	**0.395**	**0.453**
2,4,6-Trichlorophenol	3.5E+02	4.7E+01	<0.57	<0.0123	<0.0123	<0.0122	<2.49	<0.0129	<0.0257	<0.025	<0.0284	<0.0286	<0.0128	<2.41	<0.126	<0.264	<0.282	<0.056	<0.0143	<0.0146	<0.0252
2,4-Dichlorophenol	1.1E+03	3.5E+03	<0.517	<0.0112	<0.0111	<0.011	<2.26	<0.0117	<0.0233	<0.0227	<0.0257	<0.0259	<0.0116	<2.19	<0.114	<0.24	<0.256 J3	<0.0508	<0.013	<0.0132	<0.0228
2,4-Dimethylphenol	7.1E+03	2.3E+04	<0.464	<0.01	<0.00997	<0.00991	<2.02	<0.0105	<0.0209	<0.0204	<0.0231	<0.0232	<0.0104	<1.96	<0.102	<0.215	<0.229 J5	<0.0456	<0.0116	<0.0119	<0.0205
2,4-Dinitrophenol	7.1E+02	2.3E+03	<4.16	<0.0896	<0.0893	<0.0887	<18.1	<0.0939	<0.187	<0.183	<0.207	<0.208	<0.093	<17.6	<0.918	<1.93	<2.06 J6	<0.407	<0.104	<0.106	<0.184
2,4-Dinitrotoluene	7.9E+01	1.1E+01	<0.509	<0.011	<0.0109	<0.0109	<2.22	<0.0115	<0.0229	<0.0224	<0.0253	<0.0255	<0.0114	<2.15	<0.112	<0.236	<0.252	<0.0501	<0.0128	<0.013	<0.0225
2,6-Dinitrotoluene	NS	NS	<0.581	<0.0125	<0.0125	<0.0124	<2.53	<0.0131	<0.0262	<0.0255	<0.0289	<0.0291	<0.013	<2.46	<0.128	<0.269	<0.287	<0.0571	<0.0146	<0.0149	<0.0256
2-Chloronaphthalene	NS	NS	<0.312	<0.00673	<0.00671	<0.00666	<1.36	<0.00705	<0.014	<0.0137	<0.0155	<0.0156	<0.00699	<1.32	<0.0689	<0.144	<0.154	<0.0307	<0.00783	<0.00798	<0.0138
2-Chlorophenol	1.8E+03	5.8E+03	<0.586	<0.0127	<0.0126	<0.0125	<2.56	<0.0133	<0.0264	<0.0257	<0.0292	<0.0294	<0.0131	<2.48	<0.13	<0.272	<0.29	<0.0576	<0.0147	<0.015	<0.0259
2-Fluorophenol	NS	NS	**0.522 J7**	**0.265**	**0.4**	**0.4**	**0.303 J7**	**0.271**	**0.465**	**0.441**	**0.456**	**0.462**	**0.342**	**J7**	**0.393**	**J7**	**0.522 J7**	**0.284**	**0.226**	**0.309**	**0.448**
2-Nitrophenol	NS	NS	<0.634	<0.0137	<0.0136	<0.0135	<2.77	<0.0143	<0.0286	<0.0279	<0.0316	<0.0318	<0.0142	<2.68	<0.14	<0.294	<0.314 J5	<0.0623	<0.0159	<0.0162	<0.028
3,3-Dichlorobenzidine	2.0E+01	2.7E+00	<0.656	<0.0141	<0.0141	<0.014	<2.86 '	<0.0148	<0.0295	<0.0288	<0.0326	<0.0329	<0.0147	<2.77 '	<0.145	<0.304	<0.324	<0.0644	<0.0165	<0.0168	<0.0289

4,6-Dinitro-2-methylphenol	NS	NS	<4.03	<0.0868	<0.0866	<0.086	<17.6	<0.091	<0.181	<0.177	<0.2	<0.202	<0.0902	<17	<0.889	<1.86	<1.99	<0.396	<0.101	<0.103	<0.178
4-Chloro-3-methylphenol	NS	NS	<0.576	<0.0124	<0.0124	<0.0123	<2.51	<0.013	<0.0259	<0.0253	<0.0286	<0.0288	<0.0129	<2.43	<0.127	<0.267	<0.285	<0.0566	<0.0145	<0.0147	<0.0254
4-Nitrophenol	NS	NS	<0.554	<0.012	<0.0119	<0.0118	<2.42	<0.0125	<0.025	<0.0243	<0.0276	<0.0278	<0.0124	<2.34	<0.123	<0.257	<0.274	<0.0545	<0.0139	<0.0142	<0.0245
Benzidine	NS	NS	<3.34	<0.072	<0.0718	<0.0713	<14.5	<0.0754	<0.15	<0.146	<0.166	<0.167 J3J6	<0.0747	<14.1	<0.737	<1.54	<1.65 J5	<0.328	<0.0838	<0.0854	<0.147
Benzo(a)anthracene	1.1E+02	2.0E+01	<0.312	<0.00675	<0.00673	<0.00668	<1.36	<0.00707	**0.102**	**0.118**	**0.111**	**0.168**	**0.617**	**14.5**	**7.4**	**1.73**	<0.154	<0.0307	<0.00786	<0.00801	**2.61**
Benzo(a)pyrene	1.0E+01	2.1E+00	<0.329	<0.00712	<0.0071	<0.00705	<1.44	<0.00746	**0.119**	**0.198**	**0.137**	**0.211**	**0.731**	**20**	**10.9**	**2.19**	<0.163	<0.0324	<0.00829	<0.00844	**2.86**
Bis(2-chloroethyl)ether	6.4E+00	4.7E-01	<0.586 '	<0.0127	<0.0126	<0.0125	<2.56 '	<0.0133	<0.0264	<0.0257	<0.0292	<0.0294	<0.0131	<2.48 '	<0.13	<0.272	<0.29 J3J5J6	<0.0576	<0.0147	<0.015	<0.0259
Chrysene	9.1E+03	2.1E+03	<0.353	<0.00761	<0.00759	<0.00754	<1.53	<0.00798	**0.144**	**0.166**	**0.195**	**0.26**	**0.742**	**22.6**	**12.5**	**3.49**	<0.174	<0.0347	<0.00886	<0.00903	**3.14**
Dibenz(a,h)anthracene	1.1E+01	2.1E+00	<0.493	<0.0106	<0.0106	<0.0105	<2.15 '	<0.0111	<0.0222	<0.0217	<0.0245	<0.0247	**0.09**	<2.08	**2.21**	<0.228	<0.244	<0.0484	<0.0124	<0.0126	**0.416**
Hexachlorobenzene	7.7E+00	7.8E-01	<0.629	<0.0136	<0.0135	<0.0134	<2.74 '	<0.0142	<0.0283	<0.0276	<0.0313	<0.0315	<0.0141	<2.66 '	<0.139	<0.291	<0.311	<0.0618	<0.0158	<0.0161	<0.0278
Indeno(1,2,3-cd)pyrene	1.1E+02	2.1E+01	<0.502	<0.0108	<0.0108	<0.0107	<2.19	<0.0113	**0.0878**	**0.153**	**0.107**	**0.159**	**0.338**	**13**	**6.76**	**1.48**	<0.248	<0.0493	<0.0126	<0.0128	**1.6**
Isophorone	NS	NS	<0.544	<0.0117	<0.0117	<0.0116	<2.37	<0.0123	<0.0245	<0.0239	<0.0271	<0.0272	<0.0122	<2.3	<0.12	<0.252	<0.269 J5	<0.0534	<0.0137	<0.0139	<0.024
Naphthalene	4.0E+02	1.7E+01	<0.446	<0.00962	<0.00959	<0.00952	<1.94	<0.0101	<0.0201	<0.0195	<0.0221	<0.0223	**0.0768**	<1.88	<0.0985	<0.206	<0.22	<0.0438	<0.0112	<0.0114	<0.0196
Nitrobenzene	NS	NS	<0.618	<0.0133	<0.0133	<0.0132	<2.7	<0.014	<0.0279	<0.0272	<0.0308	<0.031	<0.0139	<2.61	<0.137	<0.286	<0.306	<0.0608	<0.0155	<0.0158	<0.0273
n-Nitrosodimethylamine	NS	NS	<2.63	<0.0568	<0.0566	<0.0562	<11.5	<0.0595	<0.119	<0.116	<0.131	<0.132	<0.059	<11.1	<0.582	<1.22	<1.3 J6	<0.259	<0.0661	<0.0674	<0.116
n-Nitrosodi-n-propylamine	NS	NS	<0.592	<0.0128	<0.0127	<0.0126	<2.58	<0.0134	<0.0267	<0.026	<0.0294	<0.0296	<0.0133	<2.5	<0.131	<0.274	<0.293 J3J5J6	<0.0581	<0.0149	<0.0151	<0.0261
n-Nitrosodiphenylamine	NS	NS	<1.34	<0.029	<0.0289	<0.0287	<5.86	<0.0304	<0.0605	<0.059	<0.0668	<0.0673	<0.0301	<5.68	<0.297	<0.622	<0.664	<0.132	<0.0337	<0.0344	<0.0593
Pentachlorophenol	2.0E+01	4.0E+00	<0.478	<0.0103	<0.0103	<0.0102	<2.08	<0.0108	<0.0215	<0.021	<0.0237	<0.0239	<0.0107	<2.02	<0.106	<0.221	<0.236	<0.0469	<0.012	<0.0122	<0.0211
Phenol	9.8E+04	3.5E+05	<0.714	<0.0154	<0.0154	<0.0153	<3.12	<0.0161	<0.0322	<0.0314	<0.0355	<0.0358	<0.016	<3.02	<0.158	<0.331	<0.353	<0.0702	<0.0179	<0.0183	<0.0315

Sample ID	**2019 RWQCB**	**2019 RWQCB**	**G-G1-1**	**G-G1-1**	**G-G2-1**	**G-G2-1**	**G-G2-1**	**G-G3-1**	**G-G3-1**	**G-G3-1**	**G-G4-1**	**G-G4-1**	**G-G4-1**	**G-H2-1**	**G-H2-1**	**G-H2-1**	**G-H2-1**	**G-H3-1**	**G-H3-1**	**G-H3-1**	**G-H3-1**
Sample Depth (ft bgs)	**Direct Contact**	**Direct Contact**	**2.0**	**3.0**	**1.0**	**2.0**	**3.0**	**1.0**	**2.0**	**3.0**	**1.0**	**2.0**	**3.0**	**1.0**	**2.0**	**3.0**	**4.0**	**1.0**	**2.0**	**3.0**	**4.0**
Sample Date	**ruction Worker**	**rcial / Industrial ESLs[1]**	**5/29/2024**	**5/29/2024**	**5/29/2024**	**5/29/2024**	**5/29/2024**	**5/29/2024**	**5/29/2024**	**5/29/2024**	**5/23/2024**	**5/23/2024**	**5/23/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**	**5/30/2024**
E ORGANIC COMPOUNDS - 8270C (mg/kg)																					
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	<0.0115	<0.154	<0.026	<0.0138	<0.144	<0.0221	<0.0128	<0.0128	<0.0125	<0.0135	<0.0124	<0.242	<0.123	<0.0121	<0.0246	<0.114	<0.0231	<0.132	<0.0128
1,2-Dichlorobenzene	7.8E+03	9.4E+03	<0.0109	<0.146	<0.0246	<0.0131	<0.137	<0.021	<0.0121	<0.0122	<0.0118	<0.0128	<0.0117	<0.229	<0.117	<0.0115	<0.0233	<0.108	<0.0219	<0.125	<0.0122
1,3-Dichlorobenzene	NS	NS	<0.0112	<0.15	<0.0253	<0.0134	<0.14	<0.0215	<0.0124	<0.0125	<0.0121	<0.0131	<0.012	<0.235	<0.12	<0.0118	<0.0239	<0.111	<0.0225	<0.128	<0.0125
1,4-Dichlorobenzene	2.8E+02	1.2E+01	<0.011	<0.147	<0.0248	<0.0131	<0.138	<0.0211	<0.0122	<0.0122	<0.0119	<0.0129	<0.0118	<0.23	<0.118	<0.0116	<0.0234	<0.109	<0.022	<0.125	<0.0122
2,4,6-Tribromophenol	NS	NS	**0.426**	**0.251**	**0.477**	**0.444**	**0.314**	**0.425**	**0.25**	**0.248**	**0.11**	**0.373**	**0.381**	**0.39 J7**	**0.365**	**0.459**	**0.517**	**0.271**	**0.26**	**0.232**	**0.261**
2,4,6-Trichlorophenol	3.5E+02	4.7E+01	<0.0118	<0.159	<0.0268	<0.0142	<0.149	<0.0228	<0.0131	<0.0132	<0.0128	<0.0139	<0.0127	<0.249	<0.127	<0.0125	<0.0253	<0.117	<0.0238	<0.135	<0.0132
2,4-Dichlorophenol	1.1E+03	3.5E+03	<0.0107	<0.144	<0.0243	<0.0128	<0.135	<0.0206	<0.0119	<0.012	<0.0116	<0.0126	<0.0115	<0.226	<0.115	<0.0113	<0.0229	<0.106	<0.0216	<0.123	<0.012
2,4-Dimethylphenol	7.1E+03	2.3E+04	<0.00962	<0.129	<0.0218	<0.0115	<0.121	<0.0185	<0.0107	<0.0107	<0.0104	<0.0113	<0.0103	<0.203	<0.103	<0.0102	<0.0206	<0.0955	<0.0193	<0.11	<0.0107
2,4-Dinitrophenol	7.1E+02	2.3E+03	<0.0861	<1.16	<0.195	<0.103	<1.08	<0.166	<0.0956	<0.0962	<0.0934	<0.101	<0.0926	<1.82	<0.925	<0.0909	<0.184	<0.855	<0.173	<0.986	<0.0962
2,4-Dinitrotoluene	7.9E+01	1.1E+01	<0.0106	<0.142	<0.0239	<0.0127	<0.133	<0.0203	<0.0117	<0.0118	<0.0114	<0.0124	<0.0114	<0.222	<0.113	<0.0111	<0.0226	<0.105	<0.0212	<0.121	<0.0118
2,6-Dinitrotoluene	NS	NS	<0.012	<0.162	<0.0273	<0.0144	<0.151	<0.0232	<0.0134	<0.0135	<0.0131	<0.0142	<0.013	<0.254	<0.129	<0.0127	<0.0258	<0.12	<0.0242	<0.138	<0.0135
2-Chloronaphthalene	NS	NS	<0.00647	<0.0868	<0.0146	<0.00775	<0.0813	<0.0124	<0.00718	<0.00723	<0.00701	<0.0076	<0.00696	<0.136	<0.0694	<0.00683	<0.0138	<0.0642	<0.013	<0.0741	<0.00722
2-Chlorophenol	1.8E+03	5.8E+03	<0.0122	<0.163	<0.0275	<0.0146	<0.153	<0.0234	<0.0135	<0.0136	<0.0132	<0.0143	<0.0131	<0.256	<0.131	<0.0128	<0.026	<0.121	<0.0245	<0.139	<0.0136
2-Fluorophenol	NS	NS	**0.379**	**0.366**	**0.491**	**0.438**	**0.412**	**0.483**	**0.392**	**0.379**	**0.137**	**0.27**	**0.363**	**0.474 J7**	**0.416**	**0.519**	**0.418**	**0.393**	**0.414**	**0.344**	**0.36**
2-Nitrophenol	NS	NS	<0.0132	<0.177	<0.0298	<0.0158	<0.165	<0.0253	<0.0146	<0.0147	<0.0143	<0.0155	<0.0142	<0.277	<0.141	<0.0139	<0.0281	<0.131	<0.0265	<0.151	<0.0147
3,3-Dichlorobenzidine	2.0E+01	2.7E+00	<0.0136	<0.183	<0.0308	<0.0163	<0.171	<0.0262	<0.0151	<0.0152	<0.0147	<0.016	<0.0146	<0.286	<0.146	<0.0144	<0.0291	<0.135	<0.0273	<0.156	<0.0152
4,6-Dinitro-2-methylphenol	NS	NS	<0.0835	<1.12	<0.189	<0.1	<1.05	<0.161	<0.0926	<0.0933	<0.0905	<0.0981	<0.0898	<1.76	<0.896	<0.0881	<0.178	<0.828	<0.168	<0.956	<0.0932
4-Chloro-3-methylphenol	NS	NS	<0.0119	<0.16	<0.027	<0.0143	<0.15	<0.023	<0.0133	<0.0133	<0.0129	<0.014	<0.0128	<0.251	<0.128	<0.0126	<0.0255	<0.119	<0.024	<0.137	<0.0133
4-Nitrophenol	NS	NS	<0.0115	<0.154	<0.026	<0.0138	<0.144	<0.0221	<0.0128	<0.0128	<0.0125	<0.0135	<0.0124	<0.242	<0.123	<0.0121	<0.0246	<0.114	<0.0231	<0.132	<0.0128
Benzidine	NS	NS	<0.0692	<0.929	<0.156	<0.0829	<0.87	<0.133	<0.0768	<0.0773	<0.075	<0.0813	<0.0745	<1.46	<0.743	<0.0731	<0.148	<0.687	<0.139	<0.793	<0.0773
Benzo(a)anthracene	1.1E+02	2.0E+01	**1.17**	<0.0871	**0.333**	<0.00778	<0.0815	<0.0124	<0.0072	<0.00725	<0.00704	**0.133**	<0.00698	<0.136	<0.0697	<0.00685	<0.0138	<0.0644	**0.128**	<0.0743	**0.257**
Benzo(a)pyrene	1.0E+01	2.1E+00	**1.15**	<0.0919	**0.446**	<0.0082	<0.086	**0.0782**	<0.0076	<0.00765	<0.00742	**0.129**	<0.00736	<0.144	**0.484**	<0.00723	<0.0146	**0.404**	**0.158**	<0.0784	**0.29**
Bis(2-chloroethyl)ether	6.4E+00	4.7E-01	<0.0122	<0.163	<0.0275	<0.0146	<0.153	<0.0234	<0.0135	<0.0136	<0.0132	<0.0143	<0.0131	<0.256 J4	<0.131 J4	<0.0128	<0.026	<0.121	<0.0245	<0.139	<0.0136
Chrysene	9.1E+03	2.1E+03	**1.37**	<0.0983	**0.573**	<0.00877	<0.092	**0.0908**	<0.00812	<0.00818	<0.00793	**0.149**	<0.00787	<0.154	<0.0786	<0.00773	<0.0156	<0.0726	**0.149**	<0.0838	**0.327**
Dibenz(a,h)anthracene	1.1E+01	2.1E+00	**0.155**	<0.137	**0.0978**	<0.0122	<0.128	<0.0197	<0.0113	<0.0114	<0.0111	<0.012	<0.011	<0.215	<0.11	<0.0108	<0.0219	<0.101	<0.0206	<0.117	**0.0473**
Hexachlorobenzene	7.7E+00	7.8E-01	<0.013	<0.175	<0.0295	<0.0156	<0.164	<0.0251	<0.0145	<0.0146	<0.0141	<0.0153	<0.014	<0.275	<0.14	<0.0138	<0.0279	<0.129	<0.0262	<0.149	<0.0146
Indeno(1,2,3-cd)pyrene	1.1E+02	2.1E+01	**0.615**	<0.14	**0.309**	<0.0125	<0.131	<0.02	<0.0115	<0.0116	<0.0113	**0.104**	<0.0112	<0.219	<0.112	<0.011	<0.0222	<0.103	**0.136**	<0.119	**0.174**
Isophorone	NS	NS	<0.0113	<0.151	<0.0255	<0.0135	<0.142	<0.0217	<0.0125	<0.0126	<0.0122	<0.0133	<0.0121	<0.237	<0.121	<0.0119	<0.0241	<0.112	<0.0227	<0.129	<0.0126
Naphthalene	4.0E+02	1.7E+01	**0.216**	<0.124	<0.0209	<0.0111	<0.116	<0.0178	<0.0103	<0.0103	<0.01	<0.0109	<0.00994	<0.194	<0.0992	<0.00976	<0.0197	<0.0917	<0.0186	<0.106	<0.0103
Nitrobenzene	NS	NS	<0.0128	<0.172	<0.029	<0.0154	<0.161	<0.0247	<0.0142	<0.0143	<0.0139	<0.0151	<0.0138	<0.27	<0.138	<0.0135	<0.0274	<0.127	<0.0258	<0.147	<0.0143
n-Nitrosodimethylamine	NS	NS	<0.0546	<0.733	<0.124	<0.0654	<0.686	<0.105	<0.0606	<0.061	<0.0592	<0.0642	<0.0588	<1.15	<0.586	<0.0577	<0.117	<0.542	<0.11	<0.626	<0.061
n-Nitrosodi-n-propylamine	NS	NS	<0.0123	<0.165	<0.0278	<0.0147	<0.154	<0.0236	<0.0136	<0.0137	<0.0133	<0.0144	<0.0132	<0.258	<0.132	<0.013	<0.0262	<0.122	<0.0247	<0.141	<0.0137
n-Nitrosodiphenylamine	NS	NS	<0.0279	<0.374	<0.063	<0.0334	<0.35	<0.0536	<0.0309	<0.0311	<0.0302	<0.0327	<0.03	<0.587	<0.299	<0.0294	<0.0595	<0.277	<0.056	<0.319	<0.0311
Pentachlorophenol	2.0E+01	4.0E+00	<0.00991	<0.133	<0.0224	<0.0119	<0.124	<0.019	<0.011	<0.0111	<0.0107	<0.0116	<0.0107	<0.208	<0.106	<0.0105	<0.0211	<0.0983	<0.0199	<0.113	<0.0111
Phenol	9.8E+04	3.5E+05	<0.0148	<0.199	<0.0335	<0.0178	<0.186	<0.0285	<0.0164	<0.0166	<0.0161	<0.0174	<0.0159	<0.312	<0.159	<0.0156	<0.0317	<0.147	<0.0298	<0.17	<0.0165

Sample ID	**2019 RWQCB**	**2019 RWQCB**	**USEPA**	**P-01**	**P-02**	**P-06**	**P-08**	**P-10**	**P-11-12.5**	**SVP-06-8**	**SVP-10-8**	**SVP-25-8**	**SVP-36-5**	**SVP-36-8**	**SVP-45-8**	**SVP-53-S**	**SVP-57-S**	**SVP-61-4**	**SVP-62-4**	**UC-A2-1**	**UC-A2-1**	**UC-A2-1**	**UC-A3-1**	**UC-A3-1**	**UC-A3-1**	**UC-B4-2**
Sample Depth (ft bgs)	**Direct Contact**	**Direct Contact**	**Industrial**	**16.5**	**12.5**	**5.0**	**5.0**	**18.5**	**12.5**	**5.0**	**5.0**	**8.0**	**5.0**	**8.0**	**5.0**	**4.0**	**6.0**	**4.0**	**4.0**	**2.0**	**5.0**	**10.0**	**2.0**	**5.0**	**10.0**	**2.0**
Sample Date	**ruction Worker**	**rcial / Industria**	**RSL[2]**	**5/23/2024**	**5/23/2024**	**5/23/2024**	**5/23/2024**	**5/22/2024**	**5/24/2024**	**5/28/2024**	**5/29/2024**	**5/29/2024**	**5/29/2024**	**5/29/2024**	**5/28/2024**	**5/24/2024**	**5/24/2024**	**5/29/2024**	**5/29/2024**	**5/20/2024**	**5/20/2024**	**5/20/2024**	**5/20/2024**	**5/20/2024**	**5/20/2024**	**5/23/2024**
ORGANIC COMPOUNDS - 8260B (mg/kg)																										
1,1,1,2-Tetrachloroethane	1.9E+02	8.9E+00	—	<0.114	<0.00154	<0.00112	<0.00149	<0.00137	<0.00129	<0.00154	<0.00155	<0.00154	<0.00162	<0.00163	<0.00133	<0.00155	<0.0167	<0.00138	<0.0018	<0.00116	<0.00164	<0.00138	<0.00135	<0.00169	<0.00146	<0.00139
1,1,1-Trichloroethane	7.2E+03	7.3E+03	—	<0.111	<0.0015	<0.00109	<0.00145	<0.00133	<0.00126	<0.0015	<0.00151	<0.0015	<0.00158	<0.00158	<0.00129	<0.00151	<0.0162	<0.00134	<0.00176	<0.00113	<0.0016	<0.00134	<0.00131	<0.00164	<0.00142	**0.0141**
1,1,2,2-Tetrachloroethane	4.9E+01	2.7E+00	—	<0.0838	<0.00113	<0.000821	<0.00109	<0.001	<0.000946	<0.00113	<0.00114	<0.00113	<0.00119	<0.00119	<0.000973	<0.00113	<0.0122	<0.00101	<0.00132	<0.000852	<0.0012	<0.00101	<0.000989	<0.00123	<0.00107	<0.00102
1,1,2-Trichloroethane	6.3E+00	5.1E+00	—	<0.072	<0.00097	<0.000705	<0.000936	<0.00086	<0.000812	<0.000968	<0.000976	<0.00097	<0.00102	<0.00103	<0.000836	<0.000974	<0.0105	<0.000867	<0.00114	<0.000732	<0.00103	<0.000867	<0.00085	<0.00106	<0.000921	<0.000876
1,1-Dichloroethane	3.7E+02	1.6E+01	—	<0.0592	<0.000798	**0.0311**	<0.00077	<0.000707	<0.000668	<0.000796	<0.000803	<0.000798	<0.000841	<0.000843	<0.000687	<0.000801	<0.00866	<0.000713	<0.000935	<0.000602	<0.00085	<0.000713	<0.000699	<0.000872	<0.000757	**0.0725**
1,2,3-Trichlorobenzene	NS	NS	9.3E+02	<0.883	<0.0119	<0.00866	<0.0115	<0.0106	<0.00998	<0.0119	<0.012	<0.0119	<0.0126	<0.0126	<0.0103	<0.012	<0.129	<0.0106	<0.014	<0.00898	<0.0127	<0.0106	<0.0104	<0.013	<0.0113	<0.0108
1,2,3-Trimethylbenzene	NS	NS	2.0E+03	**6.3**	<0.00257	<0.00187	<0.00248	<0.00228	<0.00215	<0.00256	<0.00258	<0.00257	**0.0288**	**0.0809**	**0.00797**	<0.00258	**1.37**	<0.00229	**0.0107**	<0.00194	<0.00274	<0.00229	<0.00225	<0.00281	<0.00244	**0.0484**
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	—	<0.531	<0.00715	<0.0052	<0.0069	<0.00634	<0.00599	<0.00713	<0.0072	<0.00715	**0.12**	**0.0697**	<0.00616	<0.00718	<0.0775	<0.00639	<0.00838	<0.00539	<0.00762	<0.00639	<0.00626	<0.00781	<0.00678	<0.00646
1,2,4-Trimethylbenzene	NS	NS	1.8E+03	<0.19	<0.00257	<0.00187	<0.00248	<0.00228	<0.00215	<0.00256	<0.00258	<0.00257	<0.00271	<0.00271	**0.012**	<0.00258	**0.512**	<0.00229	**0.0176**	<0.00194	<0.00274	<0.00229	<0.00225	<0.00281	<0.00244	**0.105**
1,2-Dibromo-3-Chloropropane	1.1E+00	5.9E-02	—	<0.47 '	<0.00633	<0.00461	<0.00612	<0.00562	<0.00531	<0.00632	<0.00638	<0.00634	<0.00668	<0.0067	<0.00546	<0.00636	<0.0688 '	<0.00566	<0.00742	<0.00478	<0.00675	<0.00566	<0.00555	<0.00693	<0.00601	<0.00572
1,2-Dichlorobenzene	7.8E+03	9.4E+03	—	<0.0512	<0.00069	**0.00936**	**0.0168**	<0.000612	<0.000578	<0.000689	<0.000695	<0.000691	**0.39**	**0.275**	<0.000595	<0.000694	<0.00749	<0.000617	<0.00081	<0.000521	<0.000736	<0.000617	<0.000605	<0.000755	<0.000655	<0.000624
1,2-Dichloroethane	4.5E+01	2.1E+00	—	<0.0782	<0.00105	<0.000767	<0.00102	<0.000935	<0.000883	<0.00105	<0.00106	<0.00105	<0.00111	<0.00111	<0.000909	<0.00106	<0.0114	<0.000942	<0.00124	<0.000795	<0.00112	<0.000942	<0.000924	<0.00115	<0.001	<0.000952
1,3,5-Trimethylbenzene	NS	NS	1.5E+03	**2.23**	<0.00325	<0.00236	<0.00314	<0.00288	<0.00272	<0.00324	<0.00327	<0.00325	<0.00342	<0.00343	<0.0028	<0.00326	**0.19**	<0.0029	<0.00381	<0.00245	<0.00346	<0.0029	<0.00285	<0.00355	<0.00308	**0.042**
1,3-Dichlorobenzene	NS	NS	NS	<0.0723	<0.000975	<0.000709	<0.000941	<0.000864	<0.000817	<0.000972	<0.000981	<0.000975	**0.298**	**0.223**	<0.00084	<0.000979	<0.0106	<0.000871	<0.00114	<0.000735	<0.00104	<0.000871	<0.000854	<0.00107	<0.000925	<0.000881
1,4-Dichlorobenzene	2.8E+02	1.2E+01	—	<0.0844	<0.00114	<0.000827	<0.0011	<0.00101	<0.000953	<0.00113	<0.00114	<0.00114	**1.42**	**0.956**	<0.00098	<0.00114	<0.0123	**0.00952**	<0.00133	<0.000858	<0.00121	<0.00102	<0.000996	<0.00124	<0.00108	<0.00103
2-Chlorotoluene	NS	NS	2.3E+04	<0.104	<0.00141	<0.00102	<0.00136	<0.00125	<0.00118	<0.0014	<0.00141	<0.00141	<0.00148	<0.00149	<0.00121	<0.00141	<0.0152	<0.00126	<0.00165	<0.00106	<0.0015	<0.00126	<0.00123	<0.00154	<0.00133	<0.00127
4-Bromofluorobenzene	NS	NS	3.5E+02	**0.0163**	**0.0158**	**0.0149**	**0.0153**	**0.0166**	**0.0163**	**0.0167**	**0.0193**	**0.017**	**0.0212**	**0.0192**	**0.0172**	**0.016**	**0.0173**	**0.0174**	**0.017**	**0.0169**	**0.017**	**0.0167**	**0.0169**	**0.0169**	**0.0171**	**0.0165**
4-Chlorotoluene	NS	NS	2.3E+04	<0.0543	<0.000731	<0.000532	<0.000706	<0.000648	<0.000612	<0.000729	<0.000736	<0.000731	<0.000771	<0.000773	<0.00063	<0.000734	<0.00794	<0.000653	<0.000857	<0.000552 J4	<0.000779	<0.000653	<0.00064	<0.000799	<0.000694	<0.00066
Acrylonitrile	NS	NS	1.1E+00	<0.436	<0.00586	<0.00426	<0.00566	<0.0052	<0.00491	<0.00585	<0.0059	<0.00587	<0.00618	<0.0062	<0.00505	<0.00589	<0.0636	<0.00524	<0.00687	<0.00442	<0.00625 J4	<0.00524 J4	<0.00514 J4	<0.00641 J4	<0.00557 J4	<0.0053
Benzene	3.3E+01	1.4E+00	—	**3.56**	<0.000759	**0.0115**	<0.000732	<0.000673	<0.000636	<0.000757	<0.000764	<0.000759	**0.00226**	**0.00204**	**0.0114**	<0.000762	**0.0366**	**0.00518**	**0.00576**	<0.000572	<0.000809	<0.000678	<0.000665	<0.000829	<0.00072	**0.307**
Bromobenzene	NS	NS	1.8E+03	<0.109	<0.00146	<0.00106	<0.00141	<0.0013	<0.00122	<0.00146	<0.00147	<0.00146	<0.00154	<0.00155	<0.00126	<0.00147	<0.0159	<0.00131	<0.00171	<0.0011	<0.00156	<0.00131	<0.00128	<0.0016	<0.00139	<0.00132
Chlorobenzene	1.2E+03	1.3E+03	—	<0.0253	<0.000341	**0.0552**	**0.00536**	<0.000302	<0.000286	<0.00034	<0.000343	<0.000341	<0.00036	<0.000361	<0.000294	<0.000343	<0.00371	<0.000305	<0.0004	<0.000257	<0.000364	<0.000305	<0.000299	<0.000373	<0.000324	<0.000308
Chloroform	3.4E+01	1.4E+00	—	<0.124	<0.00167	<0.00122	<0.00162	<0.00148	<0.0014	<0.00167	<0.00168	<0.00167	<0.00176	<0.00177	<0.00144	<0.00168	<0.0181	<0.0015	<0.00196	<0.00126	<0.00178	<0.0015	<0.00147	<0.00183	<0.00159	<0.00151
cis-1,2-Dichloroethene	7.8E+01	8.5E+01	—	<0.0885	<0.00119	**0.00899**	**0.232**	<0.00106	<0.000999	<0.00119	<0.0012	<0.00119	<0.00126	<0.00126	**0.0119**	<0.0012	<0.0129	<0.00107	<0.0014	<0.0009	<0.00127	<0.00107	<0.00104	<0.0013	<0.00113	<0.00108
Ethylbenzene	5.4E+02	2.6E+01	—	**75.4**	<0.0012	**0.00304**	<0.00116	<0.00106	<0.001	<0.00119	<0.00121	<0.0012	<0.00126	<0.00127	**0.0107**	<0.0012	**0.207**	<0.00107	**0.0168**	<0.000903	<0.00128	<0.00107	<0.00105	<0.00131	<0.00114	**0.119**
Isopropylbenzene	NS	NS	NS	**21.6**	<0.00069	<0.000502	<0.000667	<0.000612	<0.000578	<0.000689	**0.0144**	<0.000691	**0.834**	**1.1**	<0.000597	<0.000694	**0.139**	**0.0105**	<0.00081	<0.000521	<0.000736	<0.000617	<0.000605	<0.000755	<0.000655	**0.0178**
Naphthalene	4.0E+02	1.7E+01	—	**49.6**	<0.00793	<0.00577	<0.00765	<0.00703	<0.00664	<0.00791	<0.00798	<0.00793	<0.00836	<0.00838	**0.0218**	**0.299**	**2.68**	<0.00708	**0.211**	<0.00598 J3	<0.00845	<0.00709	<0.00695	<0.00867	<0.00752	**0.183**
n-Butylbenzene	NS	NS	5.8E+04	**33.9**	<0.00853	<0.0062	<0.00823	<0.00756	<0.00714	<0.00851	**0.0497**	<0.00853	**2.62**	**2.3**	<0.00735	<0.00857	**0.454**	**0.0338**	**0.0263**	<0.00643	<0.00909	<0.00762	<0.00747	<0.00932	<0.0081	<0.0077
n-Propylbenzene	NS	NS	2.4E+04	**77.8**	<0.00154	<0.00112	<0.00149	<0.00137	<0.00129	<0.00154	**0.0329**	<0.00154	**0.0702**	**0.323**	<0.00133	<0.00155	**0.228**	<0.00138	**0.0119**	<0.00116	<0.00164	<0.00138	<0.00135	<0.00169	<0.00146	**0.0345**
p-Isopropyltoluene	NS	NS	NS	<0.307	<0.00414	<0.00301	<0.004	<0.00367	<0.00347	<0.00413	<0.00417	<0.00414	<0.00437	<0.00438	**0.0277**	<0.00416	**0.357**	<0.0037	**0.0369**	<0.00313	<0.00442	<0.0037	<0.00363	<0.00453	<0.00393	**0.0346**
sec-Butylbenzene	NS	NS	1.2E+05	**18.1**	<0.00468	<0.0034	<0.00452	<0.00415	<0.00392	<0.00467	**0.0615**	<0.00468	**1.92**	**1.7**	<0.00403	<0.0047	**0.228**	**0.0193**	<0.00548	<0.00353	<0.00499	<0.00418	<0.0041	<0.00512	<0.00444	<0.00423
Styrene	2.5E+04	3.3E+04	—	<0.0276	<0.000372	<0.000271	<0.000359	<0.00033	<0.000312	<0.000371	<0.000375	<0.000372	<0.000392	<0.000393	<0.000321	<0.000374	<0.00403	<0.000332	<0.000436	<0.000281	<0.000397	<0.000333	<0.000326	<0.000407	<0.000353	<0.000336
tert-Butylbenzene	NS	NS	1.2E+05	<0.235 J4	<0.00317 J4	<0.0023 J4	<0.00306 J4	<0.00281	<0.00265	<0.00316	<0.00319	<0.00317	**0.164**	**0.13**	<0.00273	<0.00318	<0.0343	<0.00283	<0.00372	<0.00239	<0.00338	<0.00283	<0.00278	<0.00346	<0.00301	<0.00286
Tetrachloroethene	3.3E+01	2.7E+00	—	<0.108	<0.00146	<0.00106	<0.00141	**0.00612**	<0.00122	<0.00145	<0.00147	<0.00146	<0.00153	<0.00154	<0.00125	<0.00146	<0.0158	<0.0013	<0.00171	<0.0011	<0.00155	<0.0013	<0.00128	<0.0016	<0.00138	<0.00131
Toluene	4.7E+03	5.3E+03	—	**0.996**	<0.00211	**0.00599**	<0.00204	<0.00187	<0.00177	<0.00211	<0.00213	<0.00211	<0.00223	<0.00223	**0.0146**	<0.00212	<0.023	<0.00189	**0.0177**	<0.00159	<0.00225	<0.00189	<0.00185	<0.00231	<0.002	**0.409**
Trichloroethene	1.8E+01	6.1E+00	—	<0.0704	<0.000949	**0.00324**	**0.00524**	**0.00307**	<0.000795	<0.000947	<0.000955	<0.000949	<0.001	<0.001	<0.000818	<0.000953	<0.0103	<0.000848	<0.00111	<0.000716	<0.00101	<0.000848	<0.000831	<0.00104	<0.0009	<0.000857
Xylenes, Total	2.4E+03	2.5E+03	—	**3.87**	<0.00143	<0.00104	<0.00138	<0.00127	<0.0012	<0.00143	<0.00144	<0.00143	**0.139**	**0.123**	**0.0344**	<0.00144	**0.294**	<0.00128	**0.0249**	<0.00108	<0.00152	<0.00128	<0.00125	<0.00157	<0.00136	**0.537**

			ND 1/2 limit									
Locations	Depths		Arsenic	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Mercury
BS-B1-1	1.0	BS-B1-1, 1	3.15	0.01905	0.0285	13.9	7.6	44.6	40.8	22.5	0.4625	0.118
BS-B1-1	2.0	BS-B1-1, 2	6.2	0.467	0.0275	32.2	12.4	34.8	59.1	41.2	0.4455	0.15
BS-B1-1	3.0	BS-B1-1, 3										
BS-C1-1	1.0	BS-C1-1, 1	4.02	0.017	0.02545	21.7	7.77	20.6	42.3	26.1	0.4125	0.133
BS-C1-1	2.0	BS-C1-1, 2	5.66	0.01685	0.0252	27.1	11.7	27.4	57.4	41.6	0.409	0.199
BS-C1-1	3.0	BS-C1-1, 3										
BS-D1-1	1.0	BS-D1-1, 1	3.25	0.0174	0.681	29.3	12.3	64.5	200	38.5	0.4225	0.101
BS-D1-1	2.0	BS-D1-1, 2	3.87	0.244	0.0259	24.2	10	121	178	23.1	0.42	0.136
BS-D1-1	3.0	BS-D1-1, 3										
BS-E1-1	1.0	BS-E1-1, 1	5.71	0.312	0.02865	39	19.4	24.2	32.3	117	0.4645	0.0591
BS-E1-1	2.0	BS-E1-1, 2	2.77	0.0178	2.14	23.3	4.16	25	0	22.2	0.4315	0.0699
BS-I1-1	1.0	BS-I1-1, 1	6.8	0.727	0.02485	22.3	5.26	23.7	13.2	22.4	2.7	0.0515
BS-I1-1	2.0	BS-I1-1, 2	31.5	0.326	2.09	29.2	7.69	71.8	99.9	32.9	3.37	0.00965
BS-I2-1	1.0	BS-I2-1, 1	0.29	1.11	3.04	88	4.36	79.7	711	20.2	6.1	0.01015
BS-I2-1	2.0	BS-I2-1, 2	2.28	0.0175	1.43	22.1	9.76	36.1	106	27.5	0.424	0.193
BS-I3-1	1.0	BS-I3-1, 1	0.3	0.258	1.13	52.2	15.7	54.1	217	64.7	0.4395	0.232
BS-I3-1	2.0	BS-I3-1, 2	0.3	0.0182	1.2	84	26.3	101	207	61.1	0.4415	0.446
G/BS-A2-1	1.0	G/BS-A2-1, 1	3.92	0.288	0.02625	27.3	10.3	59.4	131	31.3	0.426	0.239
G/BS-A2-1	2.0	G/BS-A2-1, 2	5.06	0.432	3.14	36.4	9.97	246	625	55	0.428	0.383
G/BS-A3-1	1.0	G/BS-A3-1, 1	19	0.087	47.1	61.1	20	1,030	1,220	103	2.1	0.473
G/BS-A3-1	2.0	G/BS-A3-1, 2	7.17	0.018	14.7	17.2	8.3	60.6	67.1	22.1	0.437	0.16
G/BS-D4-1	1.0	G/BS-D4-1, 1	7.75	0.0167	1.73	147	8.99	266	0	73.7	0.4045	0.165
G/BS-D4-1	2.0	G/BS-D4-1, 2	13.3	0.289	1.06	81.8	6.12	65.9	0	30.5	0.4255	0.607 356
G/BS-F4-1	1.0	G/BS-F4-1, 1	5.43	0.645	25.7	50.4	7.12	202	0	40.8	0.417	0.105
G/BS-F4-1	2.0	G/BS-F4-1, 2	5.76	0.343	9.05	39.1	7.71	165	0	29.9	0.452	0.63
G/BS-H1-1	1.0	G/BS-H1-1, 1	3.66	0.509	0.0289	42.9	14.6	29	37.8	50	0.4685	0.01105
G/BS-H1-1	2.0	G/BS-H1-1, 2	0.27	0.0169	0.0253	12.8	5.63	30.8	58.6	18.3	0.4105	0.0486
G/UC-B1-1	1.0	G/UC-B1-1, 1	44.9	0.287	0.02715	239	8.97	29.8	61.6	39.5	0.4405	0.0757
G/UC-B1-1	2.0	G/UC-B1-1, 2	1,930	0.0191	1.71	83	15.4	80.7	138	166 36	0.4635	0.074
G/UC-B1-1	3.0	G/UC-B1-1, 3	3460	0.01725	0.614	313	3.46	50.4	42.8	42.9	0.419	0.00985
G/BS-F4-1	1.0	G/BS-F4-1, 1	5.43	0.645	25.7	50.4	7.12	202	0	40.8	0.417	0.105
G/BS-F4-1	2.0	G/BS-F4-1, 2	5.76	0.343	9.05	39.1	7.71	165	0	29.9	0.452	0.63
G/BS-H1-1	1.0	G/BS-H1-1, 1	3.66	0.509	0.0289	42.9	14.6	29	37.8	50	0.4685	0.01105
G/BS-H1-1	2.0	G/BS-H1-1, 2	0.278	0.0169	0.0253	12.8	5.63	30.8	58.6	18.3	0.4105	0.0486
G/UC-B1-1	1.0	G/UC-B1-1, 1	44.9	0.287	0.02715	239	8.97	29.8	61.6	39.5	0.4405	0.0757
G/UC-B1-1	2.0	G/UC-B1-1, 2	1,930	0.0191	1.71	835 3V	15.4	80.7	138	166 36	0.4635	0.074
G/UC-B1-1	3.0	G/UC-B1-1, 3	3460	0.01725	0.614	313	3.46	50.4	42.8	42.9	0.419	0.00985
G/UC-B1-1	4.0	G/UC-B1-1, 4	311									
G/UC-B1-1	5.0	G/UC-B1-1, 5										
G/UC-B4-1	1.0	G/UC-B4-1, 1	5.67	0.299	9.4	35.2	2.76	73.4	2240	19.1	0.4655	0.0947
G/UC-B4-1	2.0	G/UC-B4-1, 2	12.2	0.35	0.02605	34.9	22.6	131	24.3	41.3	2.51	2.33
G/UC-B4-1	3.0	G/UC-B4-1, 3	0.2765	0.0168	0.02515	11.1	7.02	3.85	6.68	10.4	0.408	0.0096
G/UC-C1-1	1.0	G/UC-C1-1, 1	5.05	0.01675	0.02505	24.3	5.54	17.5	24.9	30.7	0.4065	0.135
G/UC-C1-1	2.0	G/UC-C1-1, 2	6.89	0.486	0.0255	26.3	9.18	26.2	22.5	41.7	0.4135	0.00975
G/UC-C1-1	3.0	G/UC-C1-1, 3	3.76	0.294	0.0262	17.7	5.91	16	12.7	23.4	0.4245	0.01
G/UC-C4-1	1.0	G/UC-C4-1, 1	2.95	0.598	0.027	66.3	2.56	51.2	124	23.3	0.438	0.0103
G/UC-C4-1	2.0	G/UC-C4-1, 2	2.67	0.764	0.98	81.7	1.46	36.4	269	11.9	0.442	0.0103
G/UC-C4-1	3.0	G/UC-C4-1, 3	3.17		1.24	38.2	2.78 6	52.9	0	17.1	0.4525	0.01065
G/UC-C4-1	4.0	G/UC-C4-1, 4										
G/UC-C4-1	5.0	G/UC-C4-1, 5										
G/UC-H4-1	1.0	G/UC-H4-1, 1	0.276		0.0251	6.78	11.6	44.2	23.2	7.96	0.4075	0.0525
G/UC-H4-1	2.0	G/UC-H4-1, 2	4.61		2.41	58.4	15.9	64.1	123	63.7	0.4365	0.211
G/UC-H4-1	3.0	G/UC-H4-1, 3	5.55		0.02665	38.8	19	63.2	25	31.1	0.4325	0.36
G/UC-I1-1	1.0	G/UC-I1-1, 1	206		5.9	46.1	12.5	86.3	213	47.6	3.52	0.153
G/UC-I1-1	2.0	G/UC-I1-1, 2	415		6.35	53.6	13.7	164 35	187 356	57.8	4.4	0.196
G/UC-I1-1	3.0	G/UC-I1-1, 3	170		3.6	47	11.7	111	146	60	5.21	0.182
G/UC-I1-1	4.0	G/UC-I1-1, 4	5.29									
G/UC-I2-1	1.0	G/UC-I2-1, 1	3.23	0.514	3.44	66.8	8.53	90.7	709	42.5	0.435	0.01025
G/UC-I2-1	2.0	G/UC-I2-1, 2	0.288	0.0175	0.0262	17.9	7.31	30.6	60.5	29	0.4245	0.139
G/UC-I2-1	3.0	G/UC-I2-1, 3	0.342	0.837	0.0311	83.3	13.8	37.6	13.9	71.9	0.505	0.0592
G/UC-I3-1	1.0	G/UC-I3-1, 1	5.14	0.01755	1.12	26.8	6.54	55.8	244	25.9	0.4255	0.137
G/UC-I3-1	2.0	G/UC-I3-1, 2	0.328	0.01995	0.0298	75.2	24.5	127	20.4	54.5	0.484	0.151
G/UC-I3-1	3.0	G/UC-I3-1, 3	0.3095	0.379	0.02815	47.8	10	22	16.4	50.6	0.457	0.111
G/UC-I4-1	1.0	G/UC-I4-1, 1	0.299	0.0182	3.15	73.7	20	141	0	46	0.441	0.44
G/UC-I4-1	2.0	G/UC-I4-1, 2	0.2845	0.0173	0.586	34.7	11.2	80.1	0	28.3	0.4195	0.189
G/UC-I4-1	3.0	G/UC-I4-1, 3	38.3	0.0945	0.141	117	16.7	369	0	84.5	2.285	0.01075
G/UC-I4-1	4.0	G/UC-I4-1, 4	6.66						26.5			
G-A1-1	1.0	G-A1-1, 1	2.79	0.275	0.0263	42.5	14.5	54.5	117	21	0.4265	0.305
G-A1-1	2.0	G-A1-1, 2	2.45	0.264	0.0263	17.7	12.7	35.3	47.5	27.3	0.426	1.09
G-B2-1	1.0	G-B2-1, 1	6.29	0.01695	6.02	19.9	5.67	13600	826	98.1	0.411	0.108
G-B2-1	2.0	G-B2-1, 2	6.63	0.01715	4.51	26.2	6.12	15300	1010	124	0.416	0.182
G-B3-1	1.0	G-B3-1, 1	4.88	0.339	0.0284	36.1	9.34	23.5	47.3	59.1	0.461	0.133
G-B3-1	2.0	G-B3-1, 2	4.16	0.382	0.02665	58.2	16.9	23.5	10.7	114	0.4325	0.163
G-C2-1	1.0	G-C2-1, 1	3.6	0.25	0.0257	16.2	7.65	20.8	29	25.7	0.417	0.109
G-C2-1	2.0	G-C2-1, 2	3.22	0.017	0.0254	15.4	5.67	14.8	16.6	27.1	0.4125	0.0708
G-C2-1	3.0	G-C2-1, 3	4.48	0.0167	0.025	19.8	6.52	22.2	23.3	30.9	0.405	0.101
G-C3-1	1.0	G-C3-1, 1	2.98	0.017	0.0254	9.41	5.94	11.1	19.3	12.4	0.4125	0.132
G-C3-1	2.0	G-C3-1, 2	0.311	0.0189	0.02825	2.3	5.02	0.24	3.35	0.079	0.4585	0.0108
G-C3-1	3.0	G-C3-1, 3	6.22	0.01675	0.02505	11.6	7.11	141	73.5	18.8	0.4065	0.133
G-D1-1	1.0	G-D1-1, 1	4.66	0.0172	0.0257	21.6	7.88	36.4	110	28.2	0.417	0.126
G-D1-1	2.0	G-D1-1, 2	5.43	0.264	0.02615	26.8	9.95	53.6	141	31.1	0.4245	0.0899
G-D2-1	1.0	G-D2-1, 1	6.51	0.233	0.02725	17.8	5.73	35.6	85.5	20.1	0.442	0.151
G-D2-1	2.0	G-D2-1, 2	9.38	0.32	0.697	28	8.9	114	164	37.4	0.4575	0.197
G-D3-1	1.0	G-D3-1, 1	5.57	0.0186	0.0278	31.5	13.5	32.9	7.6	39.4	0.451	0.0106
G-D3-1	2.0	G-D3-1, 2	13.9	0.432	0.708	26.2	9.38	32.3	35.2	38.3	0.465	0.083
G-E1-1	1.0	G-E1-1, 1	0.2955	0.01795	0.02685	9.5	4.87	24.4	120	13.7	0.436	0.092
G-E1-1	2.0	G-E1-1, 2	13.4	0.33	0.0269	29.3	7.73	47.3	83.5	38.1	0.4365	0.287
G-E2-1	1.0	G-E2-1, 1	6.35	0.0181	0.0271	41.2	7.52	30.3	49.2	35.8	0.4395	0.0679
G-E2-1	2.0	G-E2-1, 2	4.27	0.408	0.027	45.5	10.3	26.1	50.2	46.5	0.438	0.103
G-E3-1	1.0	G-E3-1, 1	12.7	0.0183	5.4	43.5	5.57	209	1780	25.4	0.444	1.07
G-E3-1	2.0	G-E3-1, 2	0.312	0.285	0.0284	51	13.9	37.5	99.2	49.3	0.4605	0.212
G-F1-1	1.0	G-F1-1, 1	3.78	0.293	0.02755	45.5	11.6	51.2	83.9	37.7	0.447	0.0838
G-F1-1	2.0	G-F1-1, 2	6.51	0.292	2.1	59	19	81.4	219	85.9	0.505	0.127
G-F2-1	1.0	G-F2-1, 1	0.3095	0.0188	0.0281	20.9	4.12	33.4	43.3	20.3	0.456	0.01075
G-F2-1	2.0	G-F2-1, 2	0.2915	0.01775	0.02655	14.9	3.4	12.1	23.5	17.9	0.4305	0.01015
G-F3-1	1.0	G-F3-1, 1	0.2715	0.685	0.02465	43.3	1.92	64.1	141	15.6	0.4	0.00945
G-F3-1	2.0	G-F3-1, 2	0.347	0.417	0.03155	21.1	0.0545	48.4	33	8.01	0.51	0.01205
G-G1-1	1.0	G-G1-1, 1	8.18	0.525	0.0277	66.4	10	28	12.2	43.9	0.4495	0.0654
G-G4-1	1.0	G-G4-1, 1	6.56	0.863	7.79	54.9	5.13	69.6	0	30.8	0.458	0.0108
G-G4-1	2.0	G-G4-1, 2	4.96	0.02045	9.77	24.1	5.37	331	0	30.7	0.4965	0.556
G-H2-1	1.0	G-H2-1, 1	0.3015	0.337	5.9	43.4	15.3	78.8	0	61.1	0.4445	0.206
G-H2-1	2.0	G-H2-1, 2	2.94	0.587	7.58	112	9.2	204	0	77.1	2.81	0.0501
G-H3-1	1.0	G-H3-1, 1	2.67	0.408	0.886	48.8	9.54	57.5	0	55.6	0.419	0.275
G-H3-1	2.0	G-H3-1, 2	0.288	0.494	0.829	51.7	8.62	44.6	0	57.6	0.4245	0.159
UC-A2-1	1.0	UC-A2-1, 1	8.47	0.217	2.3	33.5	6.82	373		59.8	0.4125	0.205
UC-A2-1	2.0	UC-A2-1, 2	3.84	0.312	1.17	28.7	12.9	209		53.5	0.4185	0.286
UC-A2-1	3.0	UC-A2-1, 3	4.54	0.01775	0.02655	16.9	4.72	28.1	90.7	21.6	0.4305	0.568
UC-A3-1	1.0	UC-A3-1, 1	10.6	0.306	0.02505	111	9.05	37.2	44.4	86.1	0.406	0.0721
UC-A3-1	2.0	UC-A3-1, 2	0.308	0.0187	0.028	9.44	4.45	9.51	11.1	14.2	0.454	0.0487
UC-A3-1	3.0	UC-A3-1, 3	2.56	0.0182	0.0272	33.4	5.71	13.9	23.7	29.5	0.441	0.188
UC-B4-2	1.0	UC-B4-2, 1	7.14	0.01725	0.859	22	5.96	23.3		20.2	0.418	0.0706
UC-B4-2	2.0	UC-B4-2, 2	4.37	1.31	14.7	103	1.83	92.7		19.4	0.4665	0.011
UC-B4-2	3.0	UC-B4-2, 3	2.38	0.01715	0.02565	10.5	7.63	25.8	50.1	15.1	0.416	0.385
UC-H1-1	1.0	UC-H1-1, 1	0.316	0.388	0.0287	63	13.8	28.8	35.6	61.5	0.466	0.102
UC-H1-1	2.0	UC-H1-1, 2	0.2965	0.348	0.02695	51.1	11.3	33.4	64	43.1	0.4375	0.118
UC-H1-1	3.0	UC-H1-1, 3	0.351	0.856	0.0319	89	15.3	44.2	48.7	77.6	0.52	0.197

	Arsenic	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Mercury
Max	3460	1.31	47.1	313	26.3	15300	2240	124	6.1	2.33
Min	0.27	0.0167	0.02465	2.3	0.0545	0.24	0	0.079	0.4	0.00945
Average	113.284	0.25889	2.47396	50.1041	9.57514	352.002	144.688	40.4309	0.72414	0.18031
Median	4.51	0.264	0.0289	36.25	8.76	47.85	44.4	35.8	0.438	0.11

Locations	Dept s	2-Tetrachloroe	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,2,3-Trichlorobenzene	1,2,3-Trimethylbenzene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-Chloropropane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene
Locations	Dept s		0.00			0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00
BS-B1-1	2.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
BS-C1-1	2.0															
BS-D1-1	2.0		0.00			0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00
BS-E1-1	2.0		0.00			0.00	0.01	0.04	0.00	0.05		0.00		0.02	0.00	0.00
BS-F1-1	2.0		0.00			0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00
BS-G1-1	2.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
BS-I1-1	2.0		0.01			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
BS-I2-1	2.0		0.00			0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00
BS-I3-1	2.0		0.00			0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/BS-A2-1	2.0		0.00			0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/BS-A3-1	2.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/BS-D4-1	2.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/BS-F4-1	2.0		0.07			0.00	0.01	0.00	0.00	0.01		0.00		0.00	0.00	0.00
G/BS-H1-1	2.0		0.00			0.00	0.00	0.00	0.00	0.01		0.00		0.01	0.00	0.00
G/UC-B1-1	2.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-B1-1	3.0		0.00			0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-B1-1	4.0		0.00			0.00	0.01	0.00	0.00	0.01		0.00		0.00	0.00	0.00
G/UC-B1-1	5.0		0.00			0.00	0.01	0.00	0.00	0.01		0.00		0.00	0.00	0.00
G/UC-B1-1	8.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-B1-1	10.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-B4-1	2.0		0.00			0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-B4-1	3.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-B4-1	4.0															
G/UC-B4-1	5.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-B4-1	8.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-B4-1	10.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-C1-1	2.0		0.00			0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-C1-1	5.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-C1-1	10.0		0.00			0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-C4-1	2.0		0.00			0.00	0.01	0.03	0.00	0.0514-		0.00		0.02	0.00	0.00
G/UC-C4-1	5.0		0.00			0.01	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-C4-1	10.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-H4-1	2.0		0.00			0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-H4-1	4.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-H4-1	5.0		0.00			0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-I1-1	2.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-I1-1	3.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-I1-1	4.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-I1-1	5.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-I1-1	8.0		0.00			0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-I1-1	10.0		0.00			0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-I2-1	2.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-I2-1	4.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-I2-1	5.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-I2-1	8.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-I2-1	10.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-I3-1	2.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-I3-1	4.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-I3-1	5.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-I3-1	8.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-I3-1	10.0		0.00			0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-I4-1	2.0		0.00			0.00	0.01	0.02	0.00	0.09		0.02		0.03	0.00	0.02
G/UC-I4-1	4.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-I4-1	5.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-I4-1	8.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G/UC-I4-1	10.0		0.00			0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G-A1-1	2.0		0.00			0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G-B2-1	2.0		0.00			0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G-B3-1	2.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G-C2-1	2.0		0.00			0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G-C2-1	3.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G-C2-1	5.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G-C3-1	2.0		0.00			0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G-C3-1	3.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G-C3-1	5.0		0.00			0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G-D1-1	2.0		0.01			0.00	0.04	0.01	0.02	0.01		0.00		0.01	0.00	0.00
G-D2-1	2.0		0.00			0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G-D3-1	2.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G-E1-1	2.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G-E2-1	2.0		0.00			0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G-E3-1	2.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G-F1-1	2.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
G-F2-1	2.0		0.42			0.35	0.01	0.62	0.00	2.70		0.00		1.34	0.00	0.00
G-F3-1	2.0		0.00			0.00	0.03	0.09	0.02	0.09		0.00		0.06	0.00	0.00
G-G1-1	2.0		0.00			0.00	0.01	0.04	0.00	0.03		0.00		0.01	0.00	0.00
G-G2-1	2.0		0.01			0.00	0.05	2.05	0.03	3.16		0.00		1.39	0.00	0.01
G-G3-1	2.0		0.00			0.00	0.01	0.00	0.00	0.01		0.00		0.00	0.00	0.00
G-G4-1	2.0		0.00			0.00	0.01	0.00	0.00	0.01		0.00		0.00	0.00	0.00
G-H2-1	2.0		0.03			0.00	0.00	0.01	0.00	0.02		0.00		0.01	0.00	0.00
G-H3-1	2.0		0.04			0.12	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
UC-B4-2	5.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
UC-B4-2	10.0		0.00			0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00
UC-H1-1	2.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
UC-H1-1	4.0		0.00			0.00	0.01	0.00	0.00	0.02		0.00		0.02	0.00	0.00
UC-H1-1	5.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.01	0.00	0.00
UC-H1-1	8.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
UC-H1-1	10.0		0.06			0.03	0.44	6.30	0.27	0.10		0.03		2.23	0.04	0.04
UC-A2-1	2.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
UC-A2-1	5.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
UC-A2-1	10.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
UC-A3-1	2.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
UC-A3-1	5.0		0.00			0.00	0.01	0.00	0.00	0.00		0.00		0.00	0.00	0.00
UC-A3-1	10.0		0.01			0.07	0.01	0.05	0.00	0.11		0.00		0.04	0.00	0.00
UC-B4-2	2.0	**-**	**0.42**	**-**	**-**	**0.35**	**0.44**	**6.30**	**0.27**	**3.16**	**-**	**0.03**	**-**	**2.23**	**0.04**	**0.04**
		-	**0.00**	**-**	**-**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**-**	**0.00**	**-**	**0.00**	**0.00**	**0.00**
		-	**0.01**	**-**	**-**	**0.01**	**0.01**	**0.10**	**0.01**	**0.07**	**-**	**0.00**	**-**	**0.06**	**0.00**	**0.00**
		-	**0.00**	**-**	**-**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**-**	**0.00**	**-**	**0.00**	**0.00**	**0.00**

2-Chlorotoluene	4-Bromofluorobenzene	4-Chlorotoluene	Acrylonitrile	Benzene	Bromobenzene	Chlorobenzene	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Naphthalene	n-Butylbenzene	n-Propylbenzene	p-Isopropyltoluene	sec-Butylbenzene	Styrene	tert-Butylbenzene
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.10	0.00	0.01	0.03	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.03	0.00	0.00	0.00	0.00	0.02	0.04	0.07	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.08	0.00	0.14
0.00	0.00	0.00	0.00	0.02	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00		0.00	0.00	0.00	0.00	0.01	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02		0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.02	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.03	0.03	0.01	0.01	0.02	0.00	0.01
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.49	0.00	0.00	0.00	0.00	5.03	0.63	0.08	0.18	2.09	0.09	0.21	0.00	0.00
0.00	0.02	0.00	0.01	0.06	0.00	0.00	0.00	0.21	0.06	0.08	0.14	0.02	0.06	0.01	0.01	0.00	0.01
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.08	0.00	0.02	0.00	0.00	0.00
0.51	0.02	0.50	0.03	0.07	0.01	0.00	0.01	0.07	0.35	0.31	7.02	2.38	0.31	0.63	0.24	0.00	0.01
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00
0.00	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.04	0.01	0.00	0.00	0.03	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.05	0.02	0.03	0.22	3.56	0.05	0.01	0.06	0.04	75.40	21.60	49.60	33.90	77.80	0.15	18.10	0.01	0.12
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.31	0.00	0.00	0.00	0.00	0.12	0.02	0.18	0.00	0.03	0.03	0.00	0.00	0.00
0.51	**0.02**	**0.50**	**0.22**	**3.56**	**0.05**	**0.04**	**0.07**	**0.21**	**75.40**	**21.60**	**49.60**	**33.90**	**77.80**	**0.63**	**18.10**	**0.01**	**0.14**
0.00	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
0.01	**0.01**	**0.01**	**0.01**	**0.05**	**0.00**	**0.00**	**0.00**	**0.01**	**0.88**	**0.24**	**0.62**	**0.40**	**0.86**	**0.01**	**0.20**	**0.00**	**0.00**
0.00	**0.02**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Tetrachloroethene	Toluene	Trichloroethene	Xylenes, Total
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.04	0.00	0.12
0.00	0.00	0.00	0.00
0.02	0.00	0.00	0.02
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.04
0.01	0.00	0.00	0.02
0.00	0.01	0.00	0.06
0.00	0.01	0.00	0.02
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.01
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.01	0.00	0.06
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.01	0.00
0.00	0.00	0.01	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.01	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.01	0.01	0.00	0.00
0.00	0.01	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.03	0.00	0.01	0.00
0.00	0.09	0.00	3.36
0.07	0.13	0.18	0.36
0.06	0.00	0.01	0.02
0.12	0.53	1.75	2.12
0.00	0.00	0.00	0.01
0.00	0.07	0.00	0.04
0.00	0.01	0.00	0.02
0.00	0.00	0.15	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.10
0.00	0.00	0.00	0.12
0.00	0.00	0.00	0.00
0.05	1.00	0.04	3.87
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.41	0.00	0.54
0.12	**1.00**	**1.75**	**3.87**
0.00	**0.00**	**0.00**	**0.0005**
0.01	**0.03**	**0.03**	**0.15**
0.00	**0.00**	**0.00**	**0.001**

Locations	Depths	2,4,6-Tribromophenol	2-Fluorophenol	Benzo(a)anthracene	Bis(2-chloroethyl)ether	Chrysene	Dibenz(a,h)anthracene	Hexachlorobenzene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenol
UC-A2-1	1	0.41	0.54	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
UC-A2-1	2	0.49	0.66	0.03	0.06	0.04	0.05	0.06	0.05	0.05	0.07
UC-A2-1	3	0.59	0.67	1.66	0.06	1.70	0.05	0.07	0.82	0.05	0.08
UC-A3-1	1	0.25	0.29	0.03	0.06	0.04	0.05	0.06	0.05	0.04	0.07
UC-A3-1	2	0.45	0.53	0.35	0.66	0.39	0.55	0.70	0.56	0.50	0.80
UC-A3-1	3	0.48	0.46	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
UC-B4-2	1	0.27	0.36	0.02	0.03	0.02	0.03	0.03	0.03	0.02	0.04
UC-B4-2	2	0.40	0.37	0.12	0.01	0.13	0.01	0.01	0.11	0.48	0.56
UC-B4-2	3	0.43	0.41	0.00	0.01	0.00	0.01	0.01	0.01	0.00	0.01
UC-H1-1	1	0.28	0.41	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
UC-H1-1	2	0.47	0.39	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
BS-B1-1	1	0.50	0.51	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
BS-B1-1	2	0.58	0.53	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
BS-C1-1	1	0.35	0.50	0.01	0.08	0.08	0.01	0.01	0.01	0.01	0.01
BS-C1-1	2	0.28	0.37	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01
BS-D1-1	1	0.52	0.59	0.03	0.03	0.04	0.05	0.07	0.05	0.05	0.07
BS-D1-1	2	0.56	0.44	0.46	0.57	0.75	0.10	0.01	0.27	0.01	0.01
BS-E1-1	1	0.51	0.52	0.04	0.04	0.04	0.06	0.07	0.06	0.05	0.08
BS-E1-1	2	0.48	0.48	0.16	0.27	0.22	0.01	0.01	0.16	0.08	0.02
BS-F1-1	1	0.26	0.40	0.42	0.48	0.60	0.05	0.06	0.05	0.05	0.07
BS-F1-1	2	0.24	0.41	0.44	0.48	0.83	0.05	0.06	0.05	0.05	0.07
BS-G1-1	1	0.42	0.38	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.01
BS-G1-1	2	0.56	0.48	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
BS-I1-1	1	0.38	0.43	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01
BS-I1-1	2	0.47	0.51	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01
BS-I2-1	1	0.53	0.53	0.03	0.03	0.04	0.05	0.07	0.05	0.05	0.08
BS-I2-1	2	0.43	0.47	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.01
BS-I3-1	1	0.43	0.47	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
BS-I3-1	2	0.38	0.43	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
G/BS-A2-1	1	0.55	0.60	0.03	0.03	0.04	0.05	0.07	0.05	0.05	0.07
G/BS-A2-1	2	0.60	0.57	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
G/BS-A3-1	1	0.56	0.58	0.13	0.15	0.17	0.01	0.01	0.14	0.09	0.01
G/BS-A3-1	2	0.60	0.52	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
G/BS-D4-1	1	0.45	0.50	1.26	1.10	1.19	0.05	0.06	0.64	0.04	0.07
G/BS-D4-1	2	0.15	0.24	0.09	0.11	0.14	0.01	0.01	0.07	0.00	0.01
G/BS-F4-1	1	0.46	0.47	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
G/BS-F4-1	2	0.21	0.36	0.65	0.67	0.73	0.12	0.01	0.46	0.01	0.02
G/BS-H1-1	1	0.43	0.48	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
G/BS-H1-1	2	0.38	0.45	0.03	0.03	0.04	0.05	0.06	0.05	0.04	0.07
G/UC-B1-1	1	0.27	0.35	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.01
G/UC-B1-1	2	0.28	0.33	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
G/UC-B1-1	3	0.32	0.37	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.01
G/UC-B1-1	5	0.30	0.34	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
G/UC-B1-1	10	0.27	0.39	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
G/UC-B4-1	1	0.30	0.24	0.11	0.15	0.11	0.01	0.01	0.11	0.39	0.01
G/UC-B4-1	2	0.44	0.46	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.01
G/UC-C1-1	1	0.31	0.60	0.03	0.03	0.04	0.05	0.06	0.05	0.04	0.07
G/UC-C1-1	2	0.49	0.57	0.03	0.03	0.04	0.05	0.06	0.05	0.05	0.07
G/UC-C4-1	1	0.25	0.41	0.34	0.53	0.39	0.11	0.01	0.43	0.18	0.01
G/UC-C4-1	2	0.31	0.33	0.16	0.25	0.17	0.05	0.01	0.22	0.18	0.01
G/UC-C4-1	3										
G/UC-H4-1	1	0.36	0.43	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01
G/UC-H4-1	2	0.48	0.41	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
G/UC-I1-1	1	0.41	0.46	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
G/UC-I1-1	2	0.57	0.46	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.01
G/UC-I1-1	3	0.48	0.52	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.02

G/UC-I1-1	4	0.30	0.36	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
G/UC-I1-1	8	0.32	0.39	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
G/UC-I2-1	1	0.75	0.85	0.03	0.04	0.04	0.05	0.07	0.05	0.05	0.08
G/UC-I2-1	2	0.41	0.46	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.01
G/UC-I2-1	3	0.41	0.47	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
G/UC-I2-1	4	0.25	0.31	0.05	0.06	0.05	0.01	0.01	0.01	0.11	0.01
G/UC-I2-1	8	0.44	0.40	0.04	0.04	0.04	0.06	0.08	0.06	0.05	0.09
G/UC-I3-1	1	0.50	0.46	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
G/UC-I3-1	2	0.39	0.42	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
G/UC-I3-1	3	0.39	0.47	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
G/UC-I3-1	4	0.31	0.37	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
G/UC-I3-1	8	0.28	0.35	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
G/UC-I4-1	1	0.41	0.44	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.01
G/UC-I4-1	2	0.42	0.47	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.01
G/UC-I4-1	3	0.43	0.47	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
G/UC-I4-1	4	0.36	0.43	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
G/UC-I4-1	8	0.27	0.36	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
G-A1-1	1	0.50	0.67	0.03	0.03	0.04	0.05	0.07	0.05	0.05	0.08
G-A1-1	2	1.08	1.12	0.03	0.03	0.04	0.05	0.07	0.05	0.05	0.08
G-B2-1	1	0.25	0.33	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01
G-B2-1	2	0.30	0.37	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.01
G-B3-1	1	0.30	0.36	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
G-B3-1	2	0.30	0.37	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.01
G-C2-1	1	0.42	0.51	0.03	0.03	0.05	0.06	0.05	0.06	0.06	0.04
G-C2-1	2	0.39	0.49	0.03	0.03	0.05	0.06	0.05	0.06	0.06	0.03
G-C2-1	3	0.70	0.73	0.06	0.07	0.10	0.13	0.10	0.11	0.12	0.07
G-C3-1	1	0.41	0.48	0.03	0.03	0.05	0.06	0.05	0.06	0.06	0.03
G-C3-1	2	0.44	0.44	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00
G-C3-1	3	0.51	0.54	0.03	0.03	0.05	0.06	0.05	0.05	0.06	0.03
G-D1-1	1	0.49	0.55	0.06	0.07	0.10	0.13	0.10	0.11	0.13	0.07
G-D1-1	2	0.49	0.51	0.03	0.03	0.05	0.07	0.05	0.06	0.06	0.04
G-D2-1	1	0.56	0.48	0.47	0.56	0.10	0.01	0.34	0.01	0.01	0.69
G-D2-1	2	0.66	0.54	2.93	3.82	0.59	0.07	1.78	0.06	0.07	4.37
G-D3-1	1	0.38	0.35	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00
G-D3-1	2	0.42	0.37	0.13	0.15	0.01	0.01	0.13	0.01	0.01	0.15
G-E1-1	1	0.46	0.50	0.03	0.04	0.05	0.07	0.05	0.06	0.07	0.04
G-E1-1	2	0.52	0.46	0.61	0.70	0.05	0.07	0.47	0.06	0.07	0.68
G-E2-1	1	0.32	0.27	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.01
G-E2-1	2	0.37	0.40	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.01
G-E3-1	1	0.36	0.30	0.68	0.72	0.77	1.08	1.37	1.10	0.97	1.56
G-E3-1	2	0.38	0.27	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
G-F1-1	1	0.42	0.44	0.12	0.20	0.17	0.01	0.01	0.15	0.01	0.02
G-F1-1	2	0.43	0.46	0.11	0.14	0.20	0.01	0.02	0.11	0.01	0.02
G-F2-1	1	0.37	0.34	0.62	0.73	0.74	0.09	0.01	0.34	0.08	0.01
G-F2-1	2	7.00	7.00	14.50	20.00	22.60	1.04	1.33	13.00	0.94	1.51
G-F3-1	1	0.34	0.28	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.04
G-F3-1	2	0.24	0.23	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
G-G1-1	1	0.45	0.45	2.61	2.86	3.14	0.42	0.01	1.60	0.01	0.02
G-G1-1	2	0.43	0.38	1.17	1.15	1.37	0.16	0.01	0.62	0.22	0.01
G-G2-1	1	0.48	0.49	0.33	0.45	0.57	0.10	0.01	0.31	0.01	0.02
G-G2-1	2	0.44	0.44	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
G-G3-1	1	0.43	0.48	0.01	0.08	0.09	0.01	0.01	0.01	0.01	0.01
G-G3-1	2	0.25	0.39	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
G-G4-1	1	0.11	0.14	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
G-G4-1	2	0.37	0.27	0.13	0.13	0.15	0.01	0.01	0.10	0.01	0.01
G-H2-1	1	0.39	0.47	0.07	0.07	0.08	0.11	0.14	0.11	0.10	0.16
G-H2-1	2	0.37	0.42	0.03	0.48	0.04	0.06	0.07	0.06	0.05	0.08
G-H3-1	1	0.27	0.39	0.03	0.40	0.04	0.05	0.06	0.05	0.05	0.07
G-H3-1	2	0.26	0.41	0.13	0.16	0.15	0.01	0.01	0.14	0.01	0.01
Ma		.00	.00	1 .50	20.00	22. 0	1.08	1. 8	13.00	0.	.3
Min		0.11	0.1	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Average		0.	0.50	0.28	0.35	0.35	0.05	0.08	0.21	0.0	0.12
Median		0. 1	0.	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02

		Emissions Rates (g/s)		
		Trenching	**Grading**	**Stockpile**
1	2,4,6-Tribromophenol	8.42E-11	7.48E-10	1.05E-10
2	Benzo(a)anthracene	5.07E-11	4.51E-10	6.34E-11
3	Bis(2-chloroethyl)ether	6.25E-11	5.55E-10	7.82E-11
4	Chrysene	6.29E-11	5.58E-10	7.86E-11
5	Dibenz(a,h)anthracene	9.86E-12	8.75E-11	1.23E-11
6	Hexachlorobenzene	1.39E-11	1.24E-10	1.74E-11
7	Indeno(1,2,3-cd)pyrene	3.73E-11	3.31E-10	4.67E-11
8	Naphthalene	1.03E-11	9.10E-11	1.28E-11
9	Phenol	2.07E-11	1.84E-10	2.59E-11

	Trenching
Aermod Emissions Rate Unitizied	0.25 g/s
Stockpile	0.5 g/s

			Hazards		
	Pollutant	Cancer Risk (mg	Acute	Chronic	8-Hour
SVOCS					
	1,4-Dichlorobenzene	0.04	1.00	800.00	1.00
	2,4,6-Trichlorophenol	0.07	1.00	1.00	1.00
	2,4-Dinitrotoluene	0.31	1.00	1.00	1.00
	3,3-Dichlorobenzidine	1.20	1.00	1.00	1.00
	Benzidine	500.00	1.00	1.00	1.00
	Benzo(a)anthracene	0.39	1.00	1.00	1.00
	Benzo(a)pyrene	3.90	1.00	1.00	1.00
	Bis(2-chloroethyl)ether	2.50	1.00	1.00	1.00
	Chrysene	0.04	1.00	1.00	1.00
	Dibenz(a,h)anthracene	4.10	1.00	1.00	1.00
	Hexachlorobenzene	1.80	1.00	1.00	1.00
	Indeno(1,2,3-cd)pyrene	0.39	1.00	1.00	1.00
	Isophorone		1.00	2000.00	1.00
	Naphthalene	0.12	1.00	9.00	1.00
	n-Nitrosodimethylamine	16.00	1.00	1.00	1.00
	n-Nitrosodi-n-propylamine	7.00	1.00	1.00	1.00
	n-Nitrosodiphenylamine	0.01	1.00	1.00	1.00
	Pentachlorophenol	0.02	1.00	1.00	1.00
	Phenol		5800.00	200.00	1.00

		Unmitigated Risk											Worker Unmitigated Risk										
#	X,Y	1	2	3	4	5	6	7	8	9	Total	Per Million	1	2	3	4	5	6	7	8	9	Total	Per Million
1	570310.55,	0	0	0	0	0	0	0	0	0	8.19E-14	0.0	0	0	0	0	0	0	0	0	0	1.26133E-15	0.0
2	570350.55,	0	0	0	0	0	0	0	0	0	8.83E-14	0.0	0	0	0	0	0	0	0	0	0	1.35902E-15	0.0
3	570390.55,	0	0	0	0	0	0	0	0	0	9.51E-14	0.0	0	0	0	0	0	0	0	0	0	1.46355E-15	0.0
4	570430.55,	0	0	0	0	0	0	0	0	0	1.02E-13	0.0	0	0	0	0	0	0	0	0	0	1.57411E-15	0.0
5	570470.55,	0	0	0	0	0	0	0	0	0	1.10E-13	0.0	0	0	0	0	0	0	0	0	0	1.68754E-15	0.0
6	570510.55,	0	0	0	0	0	0	0	0	0	1.17E-13	0.0	0	0	0	0	0	0	0	0	0	1.79925E-15	0.0
7	570550.55,	0	0	0	0	0	0	0	0	0	1.24E-13	0.0	0	0	0	0	0	0	0	0	0	1.90781E-15	0.0
8	570590.55,	0	0	0	0	0	0	0	0	0	1.31E-13	0.0	0	0	0	0	0	0	0	0	0	2.01587E-15	0.0
9	570630.55,	0	0	0	0	0	0	0	0	0	1.39E-13	0.0	0	0	0	0	0	0	0	0	0	2.13296E-15	0.0
10	570670.55,	0	0	0	0	0	0	0	0	0	1.46E-13	0.0	0	0	0	0	0	0	0	0	0	2.25478E-15	0.0
11	570710.55,	0	0	0	0	0	0	0	0	0	1.54E-13	0.0	0	0	0	0	0	0	0	0	0	2.36742E-15	0.0
12	570750.55,	0	0	0	0	0	0	0	0	0	1.60E-13	0.0	0	0	0	0	0	0	0	0	0	2.45719E-15	0.0
13	570790.55,	0	0	0	0	0	0	0	0	0	1.64E-13	0.0	0	0	0	0	0	0	0	0	0	2.52364E-15	0.0
14	570830.55,	0	0	0	0	0	0	0	0	0	1.67E-13	0.0	0	0	0	0	0	0	0	0	0	2.56709E-15	0.0
15	570870.55,	0	0	0	0	0	0	0	0	0	1.68E-13	0.0	0	0	0	0	0	0	0	0	0	2.58141E-15	0.0
16	570910.55,	0	0	0	0	0	0	0	0	0	1.68E-13	0.0	0	0	0	0	0	0	0	0	0	2.58872E-15	0.0
17	570950.55,	0	0	0	0	0	0	0	0	0	1.69E-13	0.0	0	0	0	0	0	0	0	0	0	2.60244E-15	0.0
18	570990.55,	0	0	0	0	0	0	0	0	0	1.70E-13	0.0	0	0	0	0	0	0	0	0	0	2.62018E-15	0.0
19	571030.55,	0	0	0	0	0	0	0	0	0	1.70E-13	0.0	0	0	0	0	0	0	0	0	0	2.62361E-15	0.0
20	571070.55,	0	0	0	0	0	0	0	0	0	1.71E-13	0.0	0	0	0	0	0	0	0	0	0	2.6398E-15	0.0
21	571110.55,	0	0	0	0	0	0	0	0	0	1.73E-13	0.0	0	0	0	0	0	0	0	0	0	2.6674E-15	0.0
22	571150.55,	0	0	0	0	0	0	0	0	0	1.75E-13	0.0	0	0	0	0	0	0	0	0	0	2.6998E-15	0.0
23	571190.55,	0	0	0	0	0	0	0	0	0	1.76E-13	0.0	0	0	0	0	0	0	0	0	0	2.71185E-15	0.0
24	571230.55,	0	0	0	0	0	0	0	0	0	1.75E-13	0.0	0	0	0	0	0	0	0	0	0	2.69766E-15	0.0
25	571270.55,	0	0	0	0	0	0	0	0	0	1.74E-13	0.0	0	0	0	0	0	0	0	0	0	2.68543E-15	0.0
26	571310.55,	0	0	0	0	0	0	0	0	0	1.74E-13	0.0	0	0	0	0	0	0	0	0	0	2.67786E-15	0.0
27	571350.55,	0	0	0	0	0	0	0	0	0	1.74E-13	0.0	0	0	0	0	0	0	0	0	0	2.68374E-15	0.0
28	571390.55,	0	0	0	0	0	0	0	0	0	1.72E-13	0.0	0	0	0	0	0	0	0	0	0	2.65416E-15	0.0
29	571430.55,	0	0	0	0	0	0	0	0	0	1.80E-13	0.0	0	0	0	0	0	0	0	0	0	2.77637E-15	0.0
30	571470.55,	0	0	0	0	0	0	0	0	0	1.91E-13	0.0	0	0	0	0	0	0	0	0	0	2.94523E-15	0.0
31	571510.55,	0	0	0	0	0	0	0	0	0	2.04E-13	0.0	0	0	0	0	0	0	0	0	0	3.13746E-15	0.0
32	571550.55,	0	0	0	0	0	0	0	0	0	2.16E-13	0.0	0	0	0	0	0	0	0	0	0	3.32053E-15	0.0
33	571590.55,	0	0	0	0	0	0	0	0	0	2.26E-13	0.0	0	0	0	0	0	0	0	0	0	3.48674E-15	0.0
34	570310.55,	0	0	0	0	0	0	0	0	0	8.52E-14	0.0	0	0	0	0	0	0	0	0	0	1.31202E-15	0.0
35	570350.55,	0	0	0	0	0	0	0	0	0	9.23E-14	0.0	0	0	0	0	0	0	0	0	0	1.42144E-15	0.0
36	570390.55,	0	0	0	0	0	0	0	0	0	1.00E-13	0.0	0	0	0	0	0	0	0	0	0	1.54166E-15	0.0
37	570430.55,	0	0	0	0	0	0	0	0	0	1.08E-13	0.0	0	0	0	0	0	0	0	0	0	1.67042E-15	0.0
38	570470.55,	0	0	0	0	0	0	0	0	0	1.18E-13	0.0	0	0	0	0	0	0	0	0	0	1.81005E-15	0.0
39	570510.55,	0	0	0	0	0	0	0	0	0	1.27E-13	0.0	0	0	0	0	0	0	0	0	0	1.95287E-15	0.0
40	570550.55,	0	0	0	0	0	0	0	0	0	1.36E-13	0.0	0	0	0	0	0	0	0	0	0	2.09335E-15	0.0
41	570590.55,	0	0	0	0	0	0	0	0	0	1.45E-13	0.0	0	0	0	0	0	0	0	0	0	2.23695E-15	0.0
42	570630.55,	0	0	0	0	0	0	0	0	0	1.55E-13	0.0	0	0	0	0	0	0	0	0	0	2.38623E-15	0.0
43	570670.55,	0	0	0	0	0	0	0	0	0	1.65E-13	0.0	0	0	0	0	0	0	0	0	0	2.5448E-15	0.0
44	570710.55,	0	0	0	0	0	0	0	0	0	1.76E-13	0.0	0	0	0	0	0	0	0	0	0	2.7054E-15	0.0
45	570750.55,	0	0	0	0	0	0	0	0	0	1.85E-13	0.0	0	0	0	0	0	0	0	0	0	2.85041E-15	0.0
46	570790.55,	0	0	0	0	0	0	0	0	0	1.93E-13	0.0	0	0	0	0	0	0	0	0	0	2.9737E-15	0.0
47	570830.55,	0	0	0	0	0	0	0	0	0	2.00E-13	0.0	0	0	0	0	0	0	0	0	0	3.07467E-15	0.0
48	570870.55,	0	0	0	0	0	0	0	0	0	2.04E-13	0.0	0	0	0	0	0	0	0	0	0	3.14064E-15	0.0
49	570910.55,	0	0	0	0	0	0	0	0	0	2.06E-13	0.0	0	0	0	0	0	0	0	0	0	3.17279E-15	0.0
50	570950.55,	0	0	0	0	0	0	0	0	0	2.07E-13	0.0	0	0	0	0	0	0	0	0	0	3.19172E-15	0.0
51	570990.55,	0	0	0	0	0	0	0	0	0	2.08E-13	0.0	0	0	0	0	0	0	0	0	0	3.20182E-15	0.0
52	571030.55,	0	0	0	0	0	0	0	0	0	2.09E-13	0.0	0	0	0	0	0	0	0	0	0	3.21136E-15	0.0
53	571070.55,	0	0	0	0	0	0	0	0	0	2.10E-13	0.0	0	0	0	0	0	0	0	0	0	3.22686E-15	0.0
54	571110.55,	0	0	0	0	0	0	0	0	0	2.12E-13	0.0	0	0	0	0	0	0	0	0	0	3.26005E-15	0.0
55	571150.55,	0	0	0	0	0	0	0	0	0	2.15E-13	0.0	0	0	0	0	0	0	0	0	0	3.31082E-15	0.0
56	571190.55,	0	0	0	0	0	0	0	0	0	2.16E-13	0.0	0	0	0	0	0	0	0	0	0	3.32394E-15	0.0
57	571230.55,	0	0	0	0	0	0	0	0	0	2.15E-13	0.0	0	0	0	0	0	0	0	0	0	3.30289E-15	0.0
58	571270.55,	0	0	0	0	0	0	0	0	0	2.14E-13	0.0	0	0	0	0	0	0	0	0	0	3.29651E-15	0.0
59	571310.55,	0	0	0	0	0	0	0	0	0	2.16E-13	0.0	0	0	0	0	0	0	0	0	0	3.32098E-15	0.0
60	571350.55,	0	0	0	0	0	0	0	0	0	2.22E-13	0.0	0	0	0	0	0	0	0	0	0	3.41184E-15	0.0
61	571390.55,	0	0	0	0	0	0	0	0	0	2.28E-13	0.0	0	0	0	0	0	0	0	0	0	3.51411E-15	0.0
62	571430.55,	0	0	0	0	0	0	0	0	0	2.42E-13	0.0	0	0	0	0	0	0	0	0	0	3.72208E-15	0.0
63	571470.55,	0	0	0	0	0	0	0	0	0	2.57E-13	0.0	0	0	0	0	0	0	0	0	0	3.95873E-15	0.0
64	571510.55,	0	0	0	0	0	0	0	0	0	2.73E-13	0.0	0	0	0	0	0	0	0	0	0	4.19688E-15	0.0
65	571550.55,	0	0	0	0	0	0	0	0	0	2.84E-13	0.0	0	0	0	0	0	0	0	0	0	4.37348E-15	0.0
66	571590.55,	0	0	0	0	0	0	0	0	0	2.91E-13	0.0	0	0	0	0	0	0	0	0	0	4.47698E-15	0.0
67	570310.55,	0	0	0	0	0	0	0	0	0	8.84E-14	0.0	0	0	0	0	0	0	0	0	0	1.36079E-15	0.0
68	570350.55,	0	0	0	0	0	0	0	0	0	9.63E-14	0.0	0	0	0	0	0	0	0	0	0	1.48237E-15	0.0
69	570390.55,	0	0	0	0	0	0	0	0	0	1.05E-13	0.0	0	0	0	0	0	0	0	0	0	1.61624E-15	0.0
70	570430.55,	0	0	0	0	0	0	0	0	0	1.15E-13	0.0	0	0	0	0	0	0	0	0	0	1.76759E-15	0.0
71	570470.55,	0	0	0	0	0	0	0	0	0	1.25E-13	0.0	0	0	0	0	0	0	0	0	0	1.931E-15	0.0
72	570510.55,	0	0	0	0	0	0	0	0	0	1.37E-13	0.0	0	0	0	0	0	0	0	0	0	2.10334E-15	0.0
73	570550.55,	0	0	0	0	0	0	0	0	0	1.48E-13	0.0	0	0	0	0	0	0	0	0	0	2.28043E-15	0.0
74	570590.55,	0	0	0	0	0	0	0	0	0	1.61E-13	0.0	0	0	0	0	0	0	0	0	0	2.47366E-15	0.0
75	570630.55,	0	0	0	0	0	0	0	0	0	1.73E-13	0.0	0	0	0	0	0	0	0	0	0	2.66887E-15	0.0
76	570670.55,	0	0	0	0	0	0	0	0	0	1.87E-13	0.0	0	0	0	0	0	0	0	0	0	2.87546E-15	0.0
77	570710.55,	0	0	0	0	0	0	0	0	0	2.01E-13	0.0	0	0	0	0	0	0	0	0	0	3.09533E-15	0.0
78	570750.55,	0	0	0	0	0	0	0	0	0	2.15E-13	0.0	0	0	0	0	0	0	0	0	0	3.31356E-15	0.0
79	570790.55,	0	0	0	0	0	0	0	0	0	2.28E-13	0.0	0	0	0	0	0	0	0	0	0	3.51666E-15	0.0

80	570830.55,	0	0	0	0	0	0	0	0	0	2.41E-13	0.0	0	0	0	0	0	0	0	0	0	3.70545E-15	0.0
81	570870.55,	0	0	0	0	0	0	0	0	0	2.51E-13	0.0	0	0	0	0	0	0	0	0	0	3.86609E-15	0.0
82	570910.55,	0	0	0	0	0	0	0	0	0	2.58E-13	0.0	0	0	0	0	0	0	0	0	0	3.97376E-15	0.0
83	570950.55,	0	0	0	0	0	0	0	0	0	2.61E-13	0.0	0	0	0	0	0	0	0	0	0	4.01864E-15	0.0
84	570990.55,	0	0	0	0	0	0	0	0	0	2.62E-13	0.0	0	0	0	0	0	0	0	0	0	4.03475E-15	0.0
85	571030.55,	0	0	0	0	0	0	0	0	0	2.62E-13	0.0	0	0	0	0	0	0	0	0	0	4.03979E-15	0.0
86	571070.55,	0	0	0	0	0	0	0	0	0	2.64E-13	0.0	0	0	0	0	0	0	0	0	0	4.05732E-15	0.0
87	571110.55,	0	0	0	0	0	0	0	0	0	2.50E-13	0.0	0	0	0	0	0	0	0	0	0	3.85424E-15	0.0
88	571150.55,	0	0	0	0	0	0	0	0	0	2.71E-13	0.0	0	0	0	0	0	0	0	0	0	4.17105E-15	0.0
89	571190.55,	0	0	0	0	0	0	0	0	0	2.72E-13	0.0	0	0	0	0	0	0	0	0	0	4.18564E-15	0.0
90	571230.55,	0	0	0	0	0	0	0	0	0	2.71E-13	0.0	0	0	0	0	0	0	0	0	0	4.16964E-15	0.0
91	571270.55,	0	0	0	0	0	0	0	0	0	2.75E-13	0.0	0	0	0	0	0	0	0	0	0	4.23331E-15	0.0
92	571310.55,	0	0	0	0	0	0	0	0	0	2.84E-13	0.0	0	0	0	0	0	0	0	0	0	4.36749E-15	0.0
93	571350.55,	0	0	0	0	0	0	0	0	0	2.98E-13	0.0	0	0	0	0	0	0	0	0	0	4.59434E-15	0.0
94	571390.55,	0	0	0	0	0	0	0	0	0	3.17E-13	0.0	0	0	0	0	0	0	0	0	0	4.88201E-15	0.0
95	571430.55,	0	0	0	0	0	0	0	0	0	3.34E-13	0.0	0	0	0	0	0	0	0	0	0	5.13944E-15	0.0
96	571470.55,	0	0	0	0	0	0	0	0	0	3.52E-13	0.0	0	0	0	0	0	0	0	0	0	5.41492E-15	0.0
97	571510.55,	0	0	0	0	0	0	0	0	0	3.63E-13	0.0	0	0	0	0	0	0	0	0	0	5.58436E-15	0.0
98	571550.55,	0	0	0	0	0	0	0	0	0	3.65E-13	0.0	0	0	0	0	0	0	0	0	0	5.62372E-15	0.0
99	571590.55,	0	0	0	0	0	0	0	0	0	3.61E-13	0.0	0	0	0	0	0	0	0	0	0	5.55765E-15	0.0
100	570310.55,	0	0	0	0	0	0	0	0	0	9.13E-14	0.0	0	0	0	0	0	0	0	0	0	1.40646E-15	0.0
101	570350.55,	0	0	0	0	0	0	0	0	0	1.00E-13	0.0	0	0	0	0	0	0	0	0	0	1.54021E-15	0.0
102	570390.55,	0	0	0	0	0	0	0	0	0	1.10E-13	0.0	0	0	0	0	0	0	0	0	0	1.69148E-15	0.0
103	570430.55,	0	0	0	0	0	0	0	0	0	1.21E-13	0.0	0	0	0	0	0	0	0	0	0	1.86132E-15	0.0
104	570470.55,	0	0	0	0	0	0	0	0	0	1.33E-13	0.0	0	0	0	0	0	0	0	0	0	2.05209E-15	0.0
105	570510.55,	0	0	0	0	0	0	0	0	0	1.47E-13	0.0	0	0	0	0	0	0	0	0	0	2.258E-15	0.0
106	570550.55,	0	0	0	0	0	0	0	0	0	1.61E-13	0.0	0	0	0	0	0	0	0	0	0	2.4774E-15	0.0
107	570590.55,	0	0	0	0	0	0	0	0	0	1.77E-13	0.0	0	0	0	0	0	0	0	0	0	2.72186E-15	0.0
108	570630.55,	0	0	0	0	0	0	0	0	0	1.93E-13	0.0	0	0	0	0	0	0	0	0	0	2.97433E-15	0.0
109	570670.55,	0	0	0	0	0	0	0	0	0	2.11E-13	0.0	0	0	0	0	0	0	0	0	0	3.2435E-15	0.0
110	570710.55,	0	0	0	0	0	0	0	0	0	2.30E-13	0.0	0	0	0	0	0	0	0	0	0	3.54072E-15	0.0
111	570750.55,	0	0	0	0	0	0	0	0	0	2.50E-13	0.0	0	0	0	0	0	0	0	0	0	3.85602E-15	0.0
112	570790.55,	0	0	0	0	0	0	0	0	0	2.71E-13	0.0	0	0	0	0	0	0	0	0	0	4.17166E-15	0.0
113	570830.55,	0	0	0	0	0	0	0	0	0	2.92E-13	0.0	0	0	0	0	0	0	0	0	0	4.48933E-15	0.0
114	570870.55,	0	0	0	0	0	0	0	0	0	3.12E-13	0.0	0	0	0	0	0	0	0	0	0	4.79961E-15	0.0
115	570910.55,	0	0	0	0	0	0	0	0	0	3.29E-13	0.0	0	0	0	0	0	0	0	0	0	5.06966E-15	0.0
116	570950.55,	0	0	0	0	0	0	0	0	0	3.39E-13	0.0	0	0	0	0	0	0	0	0	0	5.22067E-15	0.0
117	570990.55,	0	0	0	0	0	0	0	0	0	3.41E-13	0.0	0	0	0	0	0	0	0	0	0	5.2571E-15	0.0
118	571030.55,	0	0	0	0	0	0	0	0	0	3.42E-13	0.0	0	0	0	0	0	0	0	0	0	5.26982E-15	0.0
119	571070.55,	0	0	0	0	0	0	0	0	0	3.43E-13	0.0	0	0	0	0	0	0	0	0	0	5.28183E-15	0.0
120	571110.55,	0	0	0	0	0	0	0	0	0	3.25E-13	0.0	0	0	0	0	0	0	0	0	0	5.00934E-15	0.0
121	571150.55,	0	0	0	0	0	0	0	0	0	3.52E-13	0.0	0	0	0	0	0	0	0	0	0	5.42611E-15	0.0
122	571190.55,	0	0	0	0	0	0	0	0	0	3.56E-13	0.0	0	0	0	0	0	0	0	0	0	5.48883E-15	0.0
123	571230.55,	0	0	0	0	0	0	0	0	0	3.63E-13	0.0	0	0	0	0	0	0	0	0	0	5.59228E-15	0.0
124	571270.55,	0	0	0	0	0	0	0	0	0	3.80E-13	0.0	0	0	0	0	0	0	0	0	0	5.85034E-15	0.0
125	571310.55,	0	0	0	0	0	0	0	0	0	4.04E-13	0.0	0	0	0	0	0	0	0	0	0	6.22101E-15	0.0
126	571350.55,	0	0	0	0	0	0	0	0	0	4.29E-13	0.0	0	0	0	0	0	0	0	0	0	6.60436E-15	0.0
127	571390.55,	0	0	0	0	0	0	0	0	0	4.50E-13	0.0	0	0	0	0	0	0	0	0	0	6.92963E-15	0.0
128	571430.55,	0	0	0	0	0	0	0	0	0	4.67E-13	0.0	0	0	0	0	0	0	0	0	0	7.18673E-15	0.0
129	571470.55,	0	0	0	0	0	0	0	0	0	4.72E-13	0.0	0	0	0	0	0	0	0	0	0	7.27117E-15	0.0
130	571510.55,	0	0	0	0	0	0	0	0	0	4.66E-13	0.0	0	0	0	0	0	0	0	0	0	7.1708E-15	0.0
131	571550.55,	0	0	0	0	0	0	0	0	0	4.50E-13	0.0	0	0	0	0	0	0	0	0	0	6.92685E-15	0.0
132	571590.55,	0	0	0	0	0	0	0	0	0	4.25E-13	0.0	0	0	0	0	0	0	0	0	0	6.53774E-15	0.0
133	570310.55,	0	0	0	0	0	0	0	0	0	9.40E-14	0.0	0	0	0	0	0	0	0	0	0	1.44717E-15	0.0
134	570350.55,	0	0	0	0	0	0	0	0	0	1.04E-13	0.0	0	0	0	0	0	0	0	0	0	1.5937E-15	0.0
135	570390.55,	0	0	0	0	0	0	0	0	0	1.14E-13	0.0	0	0	0	0	0	0	0	0	0	1.76072E-15	0.0
136	570430.55,	0	0	0	0	0	0	0	0	0	1.27E-13	0.0	0	0	0	0	0	0	0	0	0	1.9527E-15	0.0
137	570470.55,	0	0	0	0	0	0	0	0	0	1.41E-13	0.0	0	0	0	0	0	0	0	0	0	2.17054E-15	0.0
138	570510.55,	0	0	0	0	0	0	0	0	0	1.57E-13	0.0	0	0	0	0	0	0	0	0	0	2.41845E-15	0.0
139	570550.55,	0	0	0	0	0	0	0	0	0	1.75E-13	0.0	0	0	0	0	0	0	0	0	0	2.6893E-15	0.0
140	570590.55,	0	0	0	0	0	0	0	0	0	1.94E-13	0.0	0	0	0	0	0	0	0	0	0	2.98536E-15	0.0
141	570630.55,	0	0	0	0	0	0	0	0	0	2.15E-13	0.0	0	0	0	0	0	0	0	0	0	3.30444E-15	0.0
142	570670.55,	0	0	0	0	0	0	0	0	0	2.37E-13	0.0	0	0	0	0	0	0	0	0	0	3.64895E-15	0.0
143	570710.55,	0	0	0	0	0	0	0	0	0	2.62E-13	0.0	0	0	0	0	0	0	0	0	0	4.03754E-15	0.0
144	570750.55,	0	0	0	0	0	0	0	0	0	2.91E-13	0.0	0	0	0	0	0	0	0	0	0	4.47695E-15	0.0
145	570790.55,	0	0	0	0	0	0	0	0	0	3.22E-13	0.0	0	0	0	0	0	0	0	0	0	4.95228E-15	0.0
146	570830.55,	0	0	0	0	0	0	0	0	0	3.55E-13	0.0	0	0	0	0	0	0	0	0	0	5.46207E-15	0.0
147	570870.55,	0	0	0	0	0	0	0	0	0	3.91E-13	0.0	0	0	0	0	0	0	0	0	0	6.02194E-15	0.0
148	570910.55,	0	0	0	0	0	0	0	0	0	4.27E-13	0.0	0	0	0	0	0	0	0	0	0	6.57947E-15	0.0
149	570950.55,	0	0	0	0	0	0	0	0	0	4.55E-13	0.0	0	0	0	0	0	0	0	0	0	7.00853E-15	0.0
150	570990.55,	0	0	0	0	0	0	0	0	0	4.67E-13	0.0	0	0	0	0	0	0	0	0	0	7.18298E-15	0.0
151	571030.55,	0	0	0	0	0	0	0	0	0	4.70E-13	0.0	0	0	0	0	0	0	0	0	0	7.23473E-15	0.0
152	571070.55,	0	0	0	0	0	0	0	0	0	4.76E-13	0.0	0	0	0	0	0	0	0	0	0	7.32477E-15	0.0
153	571110.55,	0	0	0	0	0	0	0	0	0	4.79E-13	0.0	0	0	0	0	0	0	0	0	0	7.3765E-15	0.0
154	571150.55,	0	0	0	0	0	0	0	0	0	4.93E-13	0.0	0	0	0	0	0	0	0	0	0	7.58893E-15	0.0
155	571190.55,	0	0	0	0	0	0	0	0	0	5.07E-13	0.0	0	0	0	0	0	0	0	0	0	7.80049E-15	0.0
156	571230.55,	0	0	0	0	0	0	0	0	0	5.37E-13	0.0	0	0	0	0	0	0	0	0	0	8.27487E-15	0.0
157	571270.55,	0	0	0	0	0	0	0	0	0	5.76E-13	0.0	0	0	0	0	0	0	0	0	0	8.8665E-15	0.0
158	571310.55,	0	0	0	0	0	0	0	0	0	6.07E-13	0.0	0	0	0	0	0	0	0	0	0	9.35259E-15	0.0
159	571350.55,	0	0	0	0	0	0	0	0	0	6.28E-13	0.0	0	0	0	0	0	0	0	0	0	9.67381E-15	0.0
160	571390.55,	0	0	0	0	0	0	0	0	0	6.36E-13	0.0	0	0	0	0	0	0	0	0	0	9.79461E-15	0.0
161	571430.55,	0	0	0	0	0	0	0	0	0	6.29E-13	0.0	0	0	0	0	0	0	0	0	0	9.68766E-15	0.0
162	571470.55,	0	0	0	0	0	0	0	0	0	6.04E-13	0.0	0	0	0	0	0	0	0	0	0	9.30149E-15	0.0

163	571510.55,	0	0	0	0	0	0	0	0	0	5.69E-13	0.0	0	0	0	0	0	0	0	0	0	8.76231E-15	0.0
164	571550.55,	0	0	0	0	0	0	0	0	0	5.23E-13	0.0	0	0	0	0	0	0	0	0	0	8.05515E-15	0.0
165	571590.55,	0	0	0	0	0	0	0	0	0	4.74E-13	0.0	0	0	0	0	0	0	0	0	0	7.29873E-15	0.0
166	570310.55,	0	0	0	0	0	0	0	0	0	9.62E-14	0.0	0	0	0	0	0	0	0	0	0	1.48108E-15	0.0
167	570350.55,	0	0	0	0	0	0	0	0	0	1.07E-13	0.0	0	0	0	0	0	0	0	0	0	1.64111E-15	0.0
168	570390.55,	0	0	0	0	0	0	0	0	0	1.19E-13	0.0	0	0	0	0	0	0	0	0	0	1.82502E-15	0.0
169	570430.55,	0	0	0	0	0	0	0	0	0	1.32E-13	0.0	0	0	0	0	0	0	0	0	0	2.038E-15	0.0
170	570470.55,	0	0	0	0	0	0	0	0	0	1.48E-13	0.0	0	0	0	0	0	0	0	0	0	2.28589E-15	0.0
171	570510.55,	0	0	0	0	0	0	0	0	0	1.67E-13	0.0	0	0	0	0	0	0	0	0	0	2.57147E-15	0.0
172	570550.55,	0	0	0	0	0	0	0	0	0	1.88E-13	0.0	0	0	0	0	0	0	0	0	0	2.90166E-15	0.0
173	570590.55,	0	0	0	0	0	0	0	0	0	2.12E-13	0.0	0	0	0	0	0	0	0	0	0	3.26682E-15	0.0
174	570630.55,	0	0	0	0	0	0	0	0	0	2.38E-13	0.0	0	0	0	0	0	0	0	0	0	3.66884E-15	0.0
175	570670.55,	0	0	0	0	0	0	0	0	0	2.67E-13	0.0	0	0	0	0	0	0	0	0	0	4.1065E-15	0.0
176	570710.55,	0	0	0	0	0	0	0	0	0	2.99E-13	0.0	0	0	0	0	0	0	0	0	0	4.60053E-15	0.0
177	570750.55,	0	0	0	0	0	0	0	0	0	3.36E-13	0.0	0	0	0	0	0	0	0	0	0	5.18014E-15	0.0
178	570790.55,	0	0	0	0	0	0	0	0	0	3.81E-13	0.0	0	0	0	0	0	0	0	0	0	5.85898E-15	0.0
179	570830.55,	0	0	0	0	0	0	0	0	0	4.32E-13	0.0	0	0	0	0	0	0	0	0	0	6.6448E-15	0.0
180	570870.55,	0	0	0	0	0	0	0	0	0	4.93E-13	0.0	0	0	0	0	0	0	0	0	0	7.58408E-15	0.0
181	570910.55,	0	0	0	0	0	0	0	0	0	5.62E-13	0.0	0	0	0	0	0	0	0	0	0	8.65946E-15	0.0
182	570950.55,	0	0	0	0	0	0	0	0	0	6.28E-13	0.0	0	0	0	0	0	0	0	0	0	9.67384E-15	0.0
183	570990.55,	0	0	0	0	0	0	0	0	0	6.79E-13	0.0	0	0	0	0	0	0	0	0	0	1.04584E-14	0.0
184	571030.55,	0	0	0	0	0	0	0	0	0	7.02E-13	0.0	0	0	0	0	0	0	0	0	0	1.08041E-14	0.0
185	571070.55,	0	0	0	0	0	0	0	0	0	7.13E-13	0.0	0	0	0	0	0	0	0	0	0	1.09806E-14	0.0
186	571110.55,	0	0	0	0	0	0	0	0	0	7.29E-13	0.0	0	0	0	0	0	0	0	0	0	1.12235E-14	0.0
187	571150.55,	0	0	0	0	0	0	0	0	0	7.69E-13	0.0	0	0	0	0	0	0	0	0	0	1.18369E-14	0.0
188	571190.55,	0	0	0	0	0	0	0	0	0	8.28E-13	0.0	0	0	0	0	0	0	0	0	0	1.27427E-14	0.0
189	571230.55,	0	0	0	0	0	0	0	0	0	8.85E-13	0.0	0	0	0	0	0	0	0	0	0	1.36183E-14	0.0
190	571270.55,	0	0	0	0	0	0	0	0	0	9.13E-13	0.0	0	0	0	0	0	0	0	0	0	1.40551E-14	0.0
191	571310.55,	0	0	0	0	0	0	0	0	0	9.18E-13	0.0	0	0	0	0	0	0	0	0	0	1.41336E-14	0.0
192	571350.55,	0	0	0	0	0	0	0	0	0	9.03E-13	0.0	0	0	0	0	0	0	0	0	0	1.39019E-14	0.0
193	571390.55,	0	0	0	0	0	0	0	0	0	8.64E-13	0.0	0	0	0	0	0	0	0	0	0	1.33031E-14	0.0
194	571430.55,	0	0	0	0	0	0	0	0	0	8.03E-13	0.0	0	0	0	0	0	0	0	0	0	1.23627E-14	0.0
195	571470.55,	0	0	0	0	0	0	0	0	0	7.29E-13	0.0	0	0	0	0	0	0	0	0	0	1.12241E-14	0.0
196	571510.55,	0	0	0	0	0	0	0	0	0	6.53E-13	0.0	0	0	0	0	0	0	0	0	0	1.0057E-14	0.0
197	571550.55,	0	0	0	0	0	0	0	0	0	5.78E-13	0.0	0	0	0	0	0	0	0	0	0	8.89868E-15	0.0
198	571590.55,	0	0	0	0	0	0	0	0	0	5.09E-13	0.0	0	0	0	0	0	0	0	0	0	7.83063E-15	0.0
199	570310.55,	0	0	0	0	0	0	0	0	0	9.79E-14	0.0	0	0	0	0	0	0	0	0	0	1.50802E-15	0.0
200	570350.55,	0	0	0	0	0	0	0	0	0	1.09E-13	0.0	0	0	0	0	0	0	0	0	0	1.68114E-15	0.0
201	570390.55,	0	0	0	0	0	0	0	0	0	1.22E-13	0.0	0	0	0	0	0	0	0	0	0	1.8828E-15	0.0
202	570430.55,	0	0	0	0	0	0	0	0	0	1.38E-13	0.0	0	0	0	0	0	0	0	0	0	2.11837E-15	0.0
203	570470.55,	0	0	0	0	0	0	0	0	0	1.56E-13	0.0	0	0	0	0	0	0	0	0	0	2.39561E-15	0.0
204	570510.55,	0	0	0	0	0	0	0	0	0	1.77E-13	0.0	0	0	0	0	0	0	0	0	0	2.72311E-15	0.0
205	570550.55,	0	0	0	0	0	0	0	0	0	2.02E-13	0.0	0	0	0	0	0	0	0	0	0	3.10995E-15	0.0
206	570590.55,	0	0	0	0	0	0	0	0	0	2.31E-13	0.0	0	0	0	0	0	0	0	0	0	3.56013E-15	0.0
207	570630.55,	0	0	0	0	0	0	0	0	0	2.64E-13	0.0	0	0	0	0	0	0	0	0	0	4.06819E-15	0.0
208	570670.55,	0	0	0	0	0	0	0	0	0	3.01E-13	0.0	0	0	0	0	0	0	0	0	0	4.63263E-15	0.0
209	570710.55,	0	0	0	0	0	0	0	0	0	3.42E-13	0.0	0	0	0	0	0	0	0	0	0	5.26839E-15	0.0
210	570750.55,	0	0	0	0	0	0	0	0	0	3.90E-13	0.0	0	0	0	0	0	0	0	0	0	6.01235E-15	0.0
211	570790.55,	0	0	0	0	0	0	0	0	0	4.50E-13	0.0	0	0	0	0	0	0	0	0	0	6.92842E-15	0.0
212	570830.55,	0	0	0	0	0	0	0	0	0	5.24E-13	0.0	0	0	0	0	0	0	0	0	0	8.07073E-15	0.0
213	570870.55,	0	0	0	0	0	0	0	0	0	6.20E-13	0.0	0	0	0	0	0	0	0	0	0	9.54812E-15	0.0
214	570910.55,	0	0	0	0	0	0	0	0	0	7.45E-13	0.0	0	0	0	0	0	0	0	0	0	1.14739E-14	0.0
215	570950.55,	0	0	0	0	0	0	0	0	0	9.02E-13	0.0	0	0	0	0	0	0	0	0	0	1.38885E-14	0.0
216	570990.55,	0	0	0	0	0	0	0	0	0	1.07E-12	0.0	0	0	0	0	0	0	0	0	0	1.64743E-14	0.0
217	571030.55,	0	0	0	0	0	0	0	0	0	1.19E-12	0.0	0	0	0	0	0	0	0	0	0	1.83737E-14	0.0
218	571070.55,	0	0	0	0	0	0	0	0	0	1.26E-12	0.0	0	0	0	0	0	0	0	0	0	1.93304E-14	0.0
219	571110.55,	0	0	0	0	0	0	0	0	0	1.35E-12	0.0	0	0	0	0	0	0	0	0	0	2.07451E-14	0.0
220	571150.55,	0	0	0	0	0	0	0	0	0	1.49E-12	0.0	0	0	0	0	0	0	0	0	0	2.28783E-14	0.0
221	571190.55,	0	0	0	0	0	0	0	0	0	1.53E-12	0.0	0	0	0	0	0	0	0	0	0	2.35326E-14	0.0
222	571230.55,	0	0	0	0	0	0	0	0	0	1.49E-12	0.0	0	0	0	0	0	0	0	0	0	2.30155E-14	0.0
223	571270.55,	0	0	0	0	0	0	0	0	0	1.44E-12	0.0	0	0	0	0	0	0	0	0	0	2.21026E-14	0.0
224	571310.55,	0	0	0	0	0	0	0	0	0	1.35E-12	0.0	0	0	0	0	0	0	0	0	0	2.08336E-14	0.0
225	571350.55,	0	0	0	0	0	0	0	0	0	1.24E-12	0.0	0	0	0	0	0	0	0	0	0	1.90233E-14	0.0
226	571390.55,	0	0	0	0	0	0	0	0	0	1.10E-12	0.0	0	0	0	0	0	0	0	0	0	1.69055E-14	0.0
227	571430.55,	0	0	0	0	0	0	0	0	0	9.57E-13	0.0	0	0	0	0	0	0	0	0	0	1.47417E-14	0.0
228	571470.55,	0	0	0	0	0	0	0	0	0	8.26E-13	0.0	0	0	0	0	0	0	0	0	0	1.27163E-14	0.0
229	571510.55,	0	0	0	0	0	0	0	0	0	7.13E-13	0.0	0	0	0	0	0	0	0	0	0	1.09723E-14	0.0
230	571550.55,	0	0	0	0	0	0	0	0	0	6.17E-13	0.0	0	0	0	0	0	0	0	0	0	9.49504E-15	0.0
231	571590.55,	0	0	0	0	0	0	0	0	0	5.35E-13	0.0	0	0	0	0	0	0	0	0	0	8.23912E-15	0.0
232	570310.55,	0	0	0	0	0	0	0	0	0	9.94E-14	0.0	0	0	0	0	0	0	0	0	0	1.52987E-15	0.0
233	570350.55,	0	0	0	0	0	0	0	0	0	1.11E-13	0.0	0	0	0	0	0	0	0	0	0	1.71288E-15	0.0
234	570390.55,	0	0	0	0	0	0	0	0	0	1.25E-13	0.0	0	0	0	0	0	0	0	0	0	1.93033E-15	0.0
235	570430.55,	0	0	0	0	0	0	0	0	0	1.42E-13	0.0	0	0	0	0	0	0	0	0	0	2.18905E-15	0.0
236	570470.55,	0	0	0	0	0	0	0	0	0	1.62E-13	0.0	0	0	0	0	0	0	0	0	0	2.49845E-15	0.0
237	570510.55,	0	0	0	0	0	0	0	0	0	1.86E-13	0.0	0	0	0	0	0	0	0	0	0	2.86911E-15	0.0
238	570550.55,	0	0	0	0	0	0	0	0	0	2.15E-13	0.0	0	0	0	0	0	0	0	0	0	3.31649E-15	0.0
239	570590.55,	0	0	0	0	0	0	0	0	0	2.50E-13	0.0	0	0	0	0	0	0	0	0	0	3.85649E-15	0.0
240	570630.55,	0	0	0	0	0	0	0	0	0	2.92E-13	0.0	0	0	0	0	0	0	0	0	0	4.49506E-15	0.0
241	570670.55,	0	0	0	0	0	0	0	0	0	3.40E-13	0.0	0	0	0	0	0	0	0	0	0	5.23085E-15	0.0
242	570710.55,	0	0	0	0	0	0	0	0	0	3.94E-13	0.0	0	0	0	0	0	0	0	0	0	6.0722E-15	0.0
243	570750.55,	0	0	0	0	0	0	0	0	0	4.58E-13	0.0	0	0	0	0	0	0	0	0	0	7.05686E-15	0.0
244	570790.55,	0	0	0	0	0	0	0	0	0	5.38E-13	0.0	0	0	0	0	0	0	0	0	0	8.28062E-15	0.0
245	570830.55,	0	0	0	0	0	0	0	0	0	6.42E-13	0.0	0	0	0	0	0	0	0	0	0	9.89177E-15	0.0

246	570870.55,	0	0	0	0	0	0	0	0	0	7.86E-13	0.0	0	0	0	0	0	0	0	0	0	1.21046E-14	0.0
247	570910.55,	0	0	0	0	0	0	0	0	0	9.94E-13	0.0	0	0	0	0	0	0	0	0	0	1.53032E-14	0.0
248	570950.55,	0	0	0	0	0	0	0	0	0	1.31E-12	0.0	0	0	0	0	0	0	0	0	0	2.02063E-14	0.0
249	570990.55,	0	0	0	0	0	0	0	0	0	1.83E-12	0.0	0	0	0	0	0	0	0	0	0	2.81769E-14	0.0
250	571030.55,	0	0	0	0	0	0	0	0	0	2.65E-12	0.0	0	0	0	0	0	0	0	0	0	4.07588E-14	0.0
251	571070.55,	0	0	0	0	0	0	0	0	0	3.65E-12	0.0	0	0	0	0	0	0	0	0	0	5.6218E-14	0.0
252	571110.55,	0	0	0	0	0	0	0	0	0	3.87E-12	0.0	0	0	0	0	0	0	0	0	0	5.9518E-14	0.0
253	571150.55,	0	0	0	0	0	0	0	0	0	3.32E-12	0.0	0	0	0	0	0	0	0	0	0	5.10827E-14	0.0
254	571190.55,	0	0	0	0	0	0	0	0	0	2.85E-12	0.0	0	0	0	0	0	0	0	0	0	4.39362E-14	0.0
255	571230.55,	0	0	0	0	0	0	0	0	0	2.54E-12	0.0	0	0	0	0	0	0	0	0	0	3.90395E-14	0.0
256	571270.55,	0	0	0	0	0	0	0	0	0	2.23E-12	0.0	0	0	0	0	0	0	0	0	0	3.42785E-14	0.0
257	571310.55,	0	0	0	0	0	0	0	0	0	1.89E-12	0.0	0	0	0	0	0	0	0	0	0	2.9074E-14	0.0
258	571350.55,	0	0	0	0	0	0	0	0	0	1.57E-12	0.0	0	0	0	0	0	0	0	0	0	2.42412E-14	0.0
259	571390.55,	0	0	0	0	0	0	0	0	0	1.30E-12	0.0	0	0	0	0	0	0	0	0	0	2.00747E-14	0.0
260	571430.55,	0	0	0	0	0	0	0	0	0	1.09E-12	0.0	0	0	0	0	0	0	0	0	0	1.67176E-14	0.0
261	571470.55,	0	0	0	0	0	0	0	0	0	9.10E-13	0.0	0	0	0	0	0	0	0	0	0	1.40042E-14	0.0
262	571510.55,	0	0	0	0	0	0	0	0	0	7.67E-13	0.0	0	0	0	0	0	0	0	0	0	1.1813E-14	0.0
263	571550.55,	0	0	0	0	0	0	0	0	0	6.55E-13	0.0	0	0	0	0	0	0	0	0	0	1.00886E-14	0.0
264	571590.55,	0	0	0	0	0	0	0	0	0	5.64E-13	0.0	0	0	0	0	0	0	0	0	0	8.68028E-15	0.0
265	570310.55,	0	0	0	0	0	0	0	0	0	1.01E-13	0.0	0	0	0	0	0	0	0	0	0	1.54875E-15	0.0
266	570350.55,	0	0	0	0	0	0	0	0	0	1.13E-13	0.0	0	0	0	0	0	0	0	0	0	1.73763E-15	0.0
267	570390.55,	0	0	0	0	0	0	0	0	0	1.28E-13	0.0	0	0	0	0	0	0	0	0	0	1.96566E-15	0.0
268	570430.55,	0	0	0	0	0	0	0	0	0	1.46E-13	0.0	0	0	0	0	0	0	0	0	0	2.24303E-15	0.0
269	570470.55,	0	0	0	0	0	0	0	0	0	1.68E-13	0.0	0	0	0	0	0	0	0	0	0	2.58211E-15	0.0
270	570510.55,	0	0	0	0	0	0	0	0	0	1.95E-13	0.0	0	0	0	0	0	0	0	0	0	2.99851E-15	0.0
271	570550.55,	0	0	0	0	0	0	0	0	0	2.28E-13	0.0	0	0	0	0	0	0	0	0	0	3.51187E-15	0.0
272	570590.55,	0	0	0	0	0	0	0	0	0	2.69E-13	0.0	0	0	0	0	0	0	0	0	0	4.14815E-15	0.0
273	570630.55,	0	0	0	0	0	0	0	0	0	3.21E-13	0.0	0	0	0	0	0	0	0	0	0	4.93619E-15	0.0
274	570670.55,	0	0	0	0	0	0	0	0	0	3.83E-13	0.0	0	0	0	0	0	0	0	0	0	5.89194E-15	0.0
275	570710.55,	0	0	0	0	0	0	0	0	0	4.56E-13	0.0	0	0	0	0	0	0	0	0	0	7.0256E-15	0.0
276	570750.55,	0	0	0	0	0	0	0	0	0	5.44E-13	0.0	0	0	0	0	0	0	0	0	0	8.37134E-15	0.0
277	570790.55,	0	0	0	0	0	0	0	0	0	6.53E-13	0.0	0	0	0	0	0	0	0	0	0	1.00606E-14	0.0
278	570830.55,	0	0	0	0	0	0	0	0	0	8.04E-13	0.0	0	0	0	0	0	0	0	0	0	1.2386E-14	0.0
279	570870.55,	0	0	0	0	0	0	0	0	0	1.03E-12	0.0	0	0	0	0	0	0	0	0	0	1.58135E-14	0.0
280	570910.55,	0	0	0	0	0	0	0	0	0	1.37E-12	0.0	0	0	0	0	0	0	0	0	0	2.11581E-14	0.0
281	570950.55,	0	0	0	0	0	0	0	0	0	2.00E-12	0.0	0	0	0	0	0	0	0	0	0	3.0768E-14	0.0
282	570990.55,	0	0	0	0	0	0	0	0	0	3.47E-12	0.0	0	0	0	0	0	0	0	0	0	5.3379E-14	0.0
283	571030.55,	0	0	0	0	0	0	0	0	0	5.46E-12	0.0	0	0	0	0	0	0	0	0	0	8.40865E-14	0.0
284	571110.55,	0	0	0	0	0	0	0	0	0	1.90E-11	0.0	0	0	0	0	0	0	0	0	0	2.9309E-13	0.0
285	571150.55,	0	0	0	0	0	0	0	0	0	8.24E-12	0.0	0	0	0	0	0	0	0	0	0	1.26808E-13	0.0
286	571190.55,	0	0	0	0	0	0	0	0	0	5.90E-12	0.0	0	0	0	0	0	0	0	0	0	9.08125E-14	0.0
287	571230.55,	0	0	0	0	0	0	0	0	0	4.37E-12	0.0	0	0	0	0	0	0	0	0	0	6.73206E-14	0.0
288	571270.55,	0	0	0	0	0	0	0	0	0	3.23E-12	0.0	0	0	0	0	0	0	0	0	0	4.96683E-14	0.0
289	571310.55,	0	0	0	0	0	0	0	0	0	2.44E-12	0.0	0	0	0	0	0	0	0	0	0	3.75744E-14	0.0
290	571350.55,	0	0	0	0	0	0	0	0	0	1.90E-12	0.0	0	0	0	0	0	0	0	0	0	2.92003E-14	0.0
291	571390.55,	0	0	0	0	0	0	0	0	0	1.50E-12	0.0	0	0	0	0	0	0	0	0	0	2.31437E-14	0.0
292	571430.55,	0	0	0	0	0	0	0	0	0	1.22E-12	0.0	0	0	0	0	0	0	0	0	0	1.87653E-14	0.0
293	571470.55,	0	0	0	0	0	0	0	0	0	1.00E-12	0.0	0	0	0	0	0	0	0	0	0	1.54096E-14	0.0
294	571510.55,	0	0	0	0	0	0	0	0	0	8.38E-13	0.0	0	0	0	0	0	0	0	0	0	1.28998E-14	0.0
295	571550.55,	0	0	0	0	0	0	0	0	0	7.12E-13	0.0	0	0	0	0	0	0	0	0	0	1.09671E-14	0.0
296	571590.55,	0	0	0	0	0	0	0	0	0	6.09E-13	0.0	0	0	0	0	0	0	0	0	0	9.37352E-15	0.0
297	570310.55,	0	0	0	0	0	0	0	0	0	1.02E-13	0.0	0	0	0	0	0	0	0	0	0	1.56672E-15	0.0
298	570350.55,	0	0	0	0	0	0	0	0	0	1.14E-13	0.0	0	0	0	0	0	0	0	0	0	1.75932E-15	0.0
299	570390.55,	0	0	0	0	0	0	0	0	0	1.29E-13	0.0	0	0	0	0	0	0	0	0	0	1.9935E-15	0.0
300	570430.55,	0	0	0	0	0	0	0	0	0	1.48E-13	0.0	0	0	0	0	0	0	0	0	0	2.28203E-15	0.0
301	570470.55,	0	0	0	0	0	0	0	0	0	1.72E-13	0.0	0	0	0	0	0	0	0	0	0	2.6414E-15	0.0
302	570510.55,	0	0	0	0	0	0	0	0	0	2.01E-13	0.0	0	0	0	0	0	0	0	0	0	3.09431E-15	0.0
303	570550.55,	0	0	0	0	0	0	0	0	0	2.38E-13	0.0	0	0	0	0	0	0	0	0	0	3.67057E-15	0.0
304	570590.55,	0	0	0	0	0	0	0	0	0	2.86E-13	0.0	0	0	0	0	0	0	0	0	0	4.40922E-15	0.0
305	570630.55,	0	0	0	0	0	0	0	0	0	3.48E-13	0.0	0	0	0	0	0	0	0	0	0	5.36081E-15	0.0
306	570670.55,	0	0	0	0	0	0	0	0	0	4.28E-13	0.0	0	0	0	0	0	0	0	0	0	6.58266E-15	0.0
307	570710.55,	0	0	0	0	0	0	0	0	0	5.28E-13	0.0	0	0	0	0	0	0	0	0	0	8.12225E-15	0.0
308	570750.55,	0	0	0	0	0	0	0	0	0	6.39E-13	0.0	0	0	0	0	0	0	0	0	0	9.83601E-15	0.0
309	570790.55,	0	0	0	0	0	0	0	0	0	8.09E-13	0.0	0	0	0	0	0	0	0	0	0	1.24494E-14	0.0
310	570830.55,	0	0	0	0	0	0	0	0	0	1.03E-12	0.0	0	0	0	0	0	0	0	0	0	1.58993E-14	0.0
311	570870.55,	0	0	0	0	0	0	0	0	0	1.40E-12	0.0	0	0	0	0	0	0	0	0	0	2.14806E-14	0.0
312	570910.55,	0	0	0	0	0	0	0	0	0	2.09E-12	0.0	0	0	0	0	0	0	0	0	0	3.21355E-14	0.0
313	570950.55,	0	0	0	0	0	0	0	0	0	3.53E-12	0.0	0	0	0	0	0	0	0	0	0	5.43765E-14	0.0
314	571150.55,	0	0	0	0	0	0	0	0	0	3.68E-11	0.0	0	0	0	0	0	0	0	0	0	5.66145E-13	0.0
315	571190.55,	0	0	0	0	0	0	0	0	0	1.21E-11	0.0	0	0	0	0	0	0	0	0	0	1.87011E-13	0.0
316	571230.55,	0	0	0	0	0	0	0	0	0	6.63E-12	0.0	0	0	0	0	0	0	0	0	0	1.02123E-13	0.0
317	571270.55,	0	0	0	0	0	0	0	0	0	4.27E-12	0.0	0	0	0	0	0	0	0	0	0	6.57135E-14	0.0
318	571310.55,	0	0	0	0	0	0	0	0	0	3.01E-12	0.0	0	0	0	0	0	0	0	0	0	4.6386E-14	0.0
319	571350.55,	0	0	0	0	0	0	0	0	0	2.24E-12	0.0	0	0	0	0	0	0	0	0	0	3.4457E-14	0.0
320	571390.55,	0	0	0	0	0	0	0	0	0	1.72E-12	0.0	0	0	0	0	0	0	0	0	0	2.65495E-14	0.0
321	571430.55,	0	0	0	0	0	0	0	0	0	1.36E-12	0.0	0	0	0	0	0	0	0	0	0	2.10135E-14	0.0
322	571470.55,	0	0	0	0	0	0	0	0	0	1.11E-12	0.0	0	0	0	0	0	0	0	0	0	1.71429E-14	0.0
323	571510.55,	0	0	0	0	0	0	0	0	0	9.21E-13	0.0	0	0	0	0	0	0	0	0	0	1.41858E-14	0.0
324	571550.55,	0	0	0	0	0	0	0	0	0	7.74E-13	0.0	0	0	0	0	0	0	0	0	0	1.19209E-14	0.0
325	571590.55,	0	0	0	0	0	0	0	0	0	6.63E-13	0.0	0	0	0	0	0	0	0	0	0	1.02045E-14	0.0
326	570310.55,	0	0	0	0	0	0	0	0	0	1.03E-13	0.0	0	0	0	0	0	0	0	0	0	1.58571E-15	0.0
327	570350.55,	0	0	0	0	0	0	0	0	0	1.16E-13	0.0	0	0	0	0	0	0	0	0	0	1.7812E-15	0.0
328	570390.55,	0	0	0	0	0	0	0	0	0	1.31E-13	0.0	0	0	0	0	0	0	0	0	0	2.01954E-15	0.0

329	570430.55,	0	0	0	0	0	0	0	0	0	1.50E-13	0.0	0	0	0	0	0	0	0	0	0	2.31516E-15	0.0
330	570470.55,	0	0	0	0	0	0	0	0	0	1.75E-13	0.0	0	0	0	0	0	0	0	0	0	2.68714E-15	0.0
331	570510.55,	0	0	0	0	0	0	0	0	0	2.05E-13	0.0	0	0	0	0	0	0	0	0	0	3.16271E-15	0.0
332	570550.55,	0	0	0	0	0	0	0	0	0	2.46E-13	0.0	0	0	0	0	0	0	0	0	0	3.78238E-15	0.0
333	570590.55,	0	0	0	0	0	0	0	0	0	2.99E-13	0.0	0	0	0	0	0	0	0	0	0	4.60509E-15	0.0
334	570630.55,	0	0	0	0	0	0	0	0	0	3.71E-13	0.0	0	0	0	0	0	0	0	0	0	5.71791E-15	0.0
335	570670.55,	0	0	0	0	0	0	0	0	0	4.70E-13	0.0	0	0	0	0	0	0	0	0	0	7.23982E-15	0.0
336	570710.55,	0	0	0	0	0	0	0	0	0	6.05E-13	0.0	0	0	0	0	0	0	0	0	0	9.31166E-15	0.0
337	570750.55,	0	0	0	0	0	0	0	0	0	7.73E-13	0.0	0	0	0	0	0	0	0	0	0	1.18967E-14	0.0
338	570790.55,	0	0	0	0	0	0	0	0	0	1.01E-12	0.0	0	0	0	0	0	0	0	0	0	1.5522E-14	0.0
339	570830.55,	0	0	0	0	0	0	0	0	0	1.39E-12	0.0	0	0	0	0	0	0	0	0	0	2.13374E-14	0.0
340	570870.55,	0	0	0	0	0	0	0	0	0	2.04E-12	0.0	0	0	0	0	0	0	0	0	0	3.13402E-14	0.0
341	570910.55,	0	0	0	0	0	0	0	0	0	3.73E-12	0.0	0	0	0	0	0	0	0	0	0	5.74824E-14	0.0
342	571190.55,	0	0	0	0	0	0	0	0	0	1.59E-11	0.0	0	0	0	0	0	0	0	0	0	2.44287E-13	0.0
343	571230.55,	0	0	0	0	0	0	0	0	0	7.79E-12	0.0	0	0	0	0	0	0	0	0	0	1.19872E-13	0.0
344	571270.55,	0	0	0	0	0	0	0	0	0	4.84E-12	0.0	0	0	0	0	0	0	0	0	0	7.4492E-14	0.0
345	571310.55,	0	0	0	0	0	0	0	0	0	3.32E-12	0.0	0	0	0	0	0	0	0	0	0	5.1176E-14	0.0
346	571350.55,	0	0	0	0	0	0	0	0	0	2.43E-12	0.0	0	0	0	0	0	0	0	0	0	3.74674E-14	0.0
347	571390.55,	0	0	0	0	0	0	0	0	0	1.86E-12	0.0	0	0	0	0	0	0	0	0	0	2.86398E-14	0.0
348	571430.55,	0	0	0	0	0	0	0	0	0	1.47E-12	0.0	0	0	0	0	0	0	0	0	0	2.2622E-14	0.0
349	571470.55,	0	0	0	0	0	0	0	0	0	1.19E-12	0.0	0	0	0	0	0	0	0	0	0	1.83117E-14	0.0
350	571510.55,	0	0	0	0	0	0	0	0	0	9.83E-13	0.0	0	0	0	0	0	0	0	0	0	1.51344E-14	0.0
351	571550.55,	0	0	0	0	0	0	0	0	0	8.26E-13	0.0	0	0	0	0	0	0	0	0	0	1.27169E-14	0.0
352	571590.55,	0	0	0	0	0	0	0	0	0	7.02E-13	0.0	0	0	0	0	0	0	0	0	0	1.0804E-14	0.0
353	570310.55,	0	0	0	0	0	0	0	0	0	1.04E-13	0.0	0	0	0	0	0	0	0	0	0	1.60244E-15	0.0
354	570350.55,	0	0	0	0	0	0	0	0	0	1.17E-13	0.0	0	0	0	0	0	0	0	0	0	1.80582E-15	0.0
355	570390.55,	0	0	0	0	0	0	0	0	0	1.33E-13	0.0	0	0	0	0	0	0	0	0	0	2.04808E-15	0.0
356	570430.55,	0	0	0	0	0	0	0	0	0	1.53E-13	0.0	0	0	0	0	0	0	0	0	0	2.34876E-15	0.0
357	570470.55,	0	0	0	0	0	0	0	0	0	1.77E-13	0.0	0	0	0	0	0	0	0	0	0	2.72879E-15	0.0
358	570510.55,	0	0	0	0	0	0	0	0	0	2.09E-13	0.0	0	0	0	0	0	0	0	0	0	3.21918E-15	0.0
359	570550.55,	0	0	0	0	0	0	0	0	0	2.51E-13	0.0	0	0	0	0	0	0	0	0	0	3.86736E-15	0.0
360	570590.55,	0	0	0	0	0	0	0	0	0	3.08E-13	0.0	0	0	0	0	0	0	0	0	0	4.74764E-15	0.0
361	570630.55,	0	0	0	0	0	0	0	0	0	3.88E-13	0.0	0	0	0	0	0	0	0	0	0	5.98007E-15	0.0
362	570670.55,	0	0	0	0	0	0	0	0	0	5.05E-13	0.0	0	0	0	0	0	0	0	0	0	7.77277E-15	0.0
363	570710.55,	0	0	0	0	0	0	0	0	0	6.80E-13	0.0	0	0	0	0	0	0	0	0	0	1.04743E-14	0.0
364	570750.55,	0	0	0	0	0	0	0	0	0	9.46E-13	0.0	0	0	0	0	0	0	0	0	0	1.45591E-14	0.0
365	570790.55,	0	0	0	0	0	0	0	0	0	1.28E-12	0.0	0	0	0	0	0	0	0	0	0	1.97402E-14	0.0
366	570830.55,	0	0	0	0	0	0	0	0	0	2.00E-12	0.0	0	0	0	0	0	0	0	0	0	3.0736E-14	0.0
367	570870.55,	0	0	0	0	0	0	0	0	0	3.59E-12	0.0	0	0	0	0	0	0	0	0	0	5.52624E-14	0.0
368	571150.55,	0	0	0	0	0	0	0	0	0	2.06E-11	0.0	0	0	0	0	0	0	0	0	0	3.16503E-13	0.0
369	571190.55,	0	0	0	0	0	0	0	0	0	1.02E-11	0.0	0	0	0	0	0	0	0	0	0	1.56446E-13	0.0
370	571230.55,	0	0	0	0	0	0	0	0	0	6.22E-12	0.0	0	0	0	0	0	0	0	0	0	9.57571E-14	0.0
371	571270.55,	0	0	0	0	0	0	0	0	0	4.24E-12	0.0	0	0	0	0	0	0	0	0	0	6.53433E-14	0.0
372	571310.55,	0	0	0	0	0	0	0	0	0	3.09E-12	0.0	0	0	0	0	0	0	0	0	0	4.75272E-14	0.0
373	571350.55,	0	0	0	0	0	0	0	0	0	2.34E-12	0.0	0	0	0	0	0	0	0	0	0	3.61028E-14	0.0
374	571390.55,	0	0	0	0	0	0	0	0	0	1.84E-12	0.0	0	0	0	0	0	0	0	0	0	2.82629E-14	0.0
375	571430.55,	0	0	0	0	0	0	0	0	0	1.47E-12	0.0	0	0	0	0	0	0	0	0	0	2.26607E-14	0.0
376	571470.55,	0	0	0	0	0	0	0	0	0	1.20E-12	0.0	0	0	0	0	0	0	0	0	0	1.85415E-14	0.0
377	571510.55,	0	0	0	0	0	0	0	0	0	1.00E-12	0.0	0	0	0	0	0	0	0	0	0	1.54365E-14	0.0
378	571550.55,	0	0	0	0	0	0	0	0	0	8.47E-13	0.0	0	0	0	0	0	0	0	0	0	1.30362E-14	0.0
379	571590.55,	0	0	0	0	0	0	0	0	0	7.19E-13	0.0	0	0	0	0	0	0	0	0	0	1.10749E-14	0.0
380	570310.55,	0	0	0	0	0	0	0	0	0	1.05E-13	0.0	0	0	0	0	0	0	0	0	0	1.61191E-15	0.0
381	570350.55,	0	0	0	0	0	0	0	0	0	1.19E-13	0.0	0	0	0	0	0	0	0	0	0	1.83196E-15	0.0
382	570390.55,	0	0	0	0	0	0	0	0	0	1.35E-13	0.0	0	0	0	0	0	0	0	0	0	2.07622E-15	0.0
383	570430.55,	0	0	0	0	0	0	0	0	0	1.55E-13	0.0	0	0	0	0	0	0	0	0	0	2.38394E-15	0.0
384	570470.55,	0	0	0	0	0	0	0	0	0	1.80E-13	0.0	0	0	0	0	0	0	0	0	0	2.77138E-15	0.0
385	570510.55,	0	0	0	0	0	0	0	0	0	2.13E-13	0.0	0	0	0	0	0	0	0	0	0	3.27379E-15	0.0
386	570550.55,	0	0	0	0	0	0	0	0	0	2.56E-13	0.0	0	0	0	0	0	0	0	0	0	3.94349E-15	0.0
387	570590.55,	0	0	0	0	0	0	0	0	0	3.16E-13	0.0	0	0	0	0	0	0	0	0	0	4.86625E-15	0.0
388	570630.55,	0	0	0	0	0	0	0	0	0	4.02E-13	0.0	0	0	0	0	0	0	0	0	0	6.19112E-15	0.0
389	570670.55,	0	0	0	0	0	0	0	0	0	5.33E-13	0.0	0	0	0	0	0	0	0	0	0	8.19994E-15	0.0
390	570710.55,	0	0	0	0	0	0	0	0	0	7.45E-13	0.0	0	0	0	0	0	0	0	0	0	1.14729E-14	0.0
391	570750.55,	0	0	0	0	0	0	0	0	0	1.12E-12	0.0	0	0	0	0	0	0	0	0	0	1.7212E-14	0.0
392	570790.55,	0	0	0	0	0	0	0	0	0	1.66E-12	0.0	0	0	0	0	0	0	0	0	0	2.55707E-14	0.0
393	570830.55,	0	0	0	0	0	0	0	0	0	3.53E-12	0.0	0	0	0	0	0	0	0	0	0	5.43478E-14	0.0
394	571110.55,	0	0	0	0	0	0	0	0	0	1.84E-11	0.0	0	0	0	0	0	0	0	0	0	2.8289E-13	0.0
395	571150.55,	0	0	0	0	0	0	0	0	0	9.90E-12	0.0	0	0	0	0	0	0	0	0	0	1.52358E-13	0.0
396	571190.55,	0	0	0	0	0	0	0	0	0	6.47E-12	0.0	0	0	0	0	0	0	0	0	0	9.96353E-14	0.0
397	571230.55,	0	0	0	0	0	0	0	0	0	4.60E-12	0.0	0	0	0	0	0	0	0	0	0	7.08987E-14	0.0
398	571270.55,	0	0	0	0	0	0	0	0	0	3.41E-12	0.0	0	0	0	0	0	0	0	0	0	5.25759E-14	0.0
399	571310.55,	0	0	0	0	0	0	0	0	0	2.63E-12	0.0	0	0	0	0	0	0	0	0	0	4.05065E-14	0.0
400	571350.55,	0	0	0	0	0	0	0	0	0	2.09E-12	0.0	0	0	0	0	0	0	0	0	0	3.21598E-14	0.0
401	571390.55,	0	0	0	0	0	0	0	0	0	1.69E-12	0.0	0	0	0	0	0	0	0	0	0	2.60818E-14	0.0
402	571430.55,	0	0	0	0	0	0	0	0	0	1.40E-12	0.0	0	0	0	0	0	0	0	0	0	2.14872E-14	0.0
403	571470.55,	0	0	0	0	0	0	0	0	0	1.16E-12	0.0	0	0	0	0	0	0	0	0	0	1.79112E-14	0.0
404	571510.55,	0	0	0	0	0	0	0	0	0	9.83E-13	0.0	0	0	0	0	0	0	0	0	0	1.51362E-14	0.0
405	571550.55,	0	0	0	0	0	0	0	0	0	8.38E-13	0.0	0	0	0	0	0	0	0	0	0	1.29033E-14	0.0
406	571590.55,	0	0	0	0	0	0	0	0	0	7.21E-13	0.0	0	0	0	0	0	0	0	0	0	1.11037E-14	0.0
407	570310.55,	0	0	0	0	0	0	0	0	0	1.05E-13	0.0	0	0	0	0	0	0	0	0	0	1.62383E-15	0.0
408	570350.55,	0	0	0	0	0	0	0	0	0	1.18E-13	0.0	0	0	0	0	0	0	0	0	0	1.82445E-15	0.0
409	570390.55,	0	0	0	0	0	0	0	0	0	1.35E-13	0.0	0	0	0	0	0	0	0	0	0	2.08514E-15	0.0
410	570430.55,	0	0	0	0	0	0	0	0	0	1.57E-13	0.0	0	0	0	0	0	0	0	0	0	2.41363E-15	0.0
411	570470.55,	0	0	0	0	0	0	0	0	0	1.83E-13	0.0	0	0	0	0	0	0	0	0	0	2.81034E-15	0.0

412	570510.55,	0	0	0	0	0	0	0	0	0	2.16E-13	0.0	0	0	0	0	0	0	0	0	0	3.3276E-15	0.0
413	570550.55,	0	0	0	0	0	0	0	0	0	2.61E-13	0.0	0	0	0	0	0	0	0	0	0	4.01994E-15	0.0
414	570590.55,	0	0	0	0	0	0	0	0	0	3.24E-13	0.0	0	0	0	0	0	0	0	0	0	4.9816E-15	0.0
415	570630.55,	0	0	0	0	0	0	0	0	0	4.15E-13	0.0	0	0	0	0	0	0	0	0	0	6.38234E-15	0.0
416	570670.55,	0	0	0	0	0	0	0	0	0	5.56E-13	0.0	0	0	0	0	0	0	0	0	0	8.56467E-15	0.0
417	570710.55,	0	0	0	0	0	0	0	0	0	7.99E-13	0.0	0	0	0	0	0	0	0	0	0	1.23034E-14	0.0
418	570750.55,	0	0	0	0	0	0	0	0	0	1.27E-12	0.0	0	0	0	0	0	0	0	0	0	1.95098E-14	0.0
419	570790.55,	0	0	0	0	0	0	0	0	0	2.54E-12	0.0	0	0	0	0	0	0	0	0	0	3.91095E-14	0.0
420	571070.55,	0	0	0	0	0	0	0	0	0	1.31E-11	0.0	0	0	0	0	0	0	0	0	0	2.01355E-13	0.0
421	571110.55,	0	0	0	0	0	0	0	0	0	1.10E-11	0.0	0	0	0	0	0	0	0	0	0	1.70017E-13	0.0
422	571150.55,	0	0	0	0	0	0	0	0	0	6.75E-12	0.0	0	0	0	0	0	0	0	0	0	1.03866E-13	0.0
423	571190.55,	0	0	0	0	0	0	0	0	0	4.74E-12	0.0	0	0	0	0	0	0	0	0	0	7.29428E-14	0.0
424	571230.55,	0	0	0	0	0	0	0	0	0	3.57E-12	0.0	0	0	0	0	0	0	0	0	0	5.49588E-14	0.0
425	571270.55,	0	0	0	0	0	0	0	0	0	2.80E-12	0.0	0	0	0	0	0	0	0	0	0	4.31242E-14	0.0
426	571310.55,	0	0	0	0	0	0	0	0	0	2.24E-12	0.0	0	0	0	0	0	0	0	0	0	3.44231E-14	0.0
427	571350.55,	0	0	0	0	0	0	0	0	0	1.82E-12	0.0	0	0	0	0	0	0	0	0	0	2.80251E-14	0.0
428	571390.55,	0	0	0	0	0	0	0	0	0	1.51E-12	0.0	0	0	0	0	0	0	0	0	0	2.32894E-14	0.0
429	571430.55,	0	0	0	0	0	0	0	0	0	1.27E-12	0.0	0	0	0	0	0	0	0	0	0	1.95955E-14	0.0
430	571470.55,	0	0	0	0	0	0	0	0	0	1.08E-12	0.0	0	0	0	0	0	0	0	0	0	1.66282E-14	0.0
431	571510.55,	0	0	0	0	0	0	0	0	0	9.29E-13	0.0	0	0	0	0	0	0	0	0	0	1.43095E-14	0.0
432	571550.55,	0	0	0	0	0	0	0	0	0	8.04E-13	0.0	0	0	0	0	0	0	0	0	0	1.23771E-14	0.0
433	571590.55,	0	0	0	0	0	0	0	0	0	6.98E-13	0.0	0	0	0	0	0	0	0	0	0	1.0754E-14	0.0
434	570310.55,	0	0	0	0	0	0	0	0	0	1.06E-13	0.0	0	0	0	0	0	0	0	0	0	1.62725E-15	0.0
435	570350.55,	0	0	0	0	0	0	0	0	0	1.21E-13	0.0	0	0	0	0	0	0	0	0	0	1.85798E-15	0.0
436	570390.55,	0	0	0	0	0	0	0	0	0	1.37E-13	0.0	0	0	0	0	0	0	0	0	0	2.10655E-15	0.0
437	570430.55,	0	0	0	0	0	0	0	0	0	1.57E-13	0.0	0	0	0	0	0	0	0	0	0	2.41154E-15	0.0
438	570470.55,	0	0	0	0	0	0	0	0	0	1.83E-13	0.0	0	0	0	0	0	0	0	0	0	2.81682E-15	0.0
439	570510.55,	0	0	0	0	0	0	0	0	0	2.18E-13	0.0	0	0	0	0	0	0	0	0	0	3.35862E-15	0.0
440	570550.55,	0	0	0	0	0	0	0	0	0	2.65E-13	0.0	0	0	0	0	0	0	0	0	0	4.08318E-15	0.0
441	570590.55,	0	0	0	0	0	0	0	0	0	3.30E-13	0.0	0	0	0	0	0	0	0	0	0	5.07865E-15	0.0
442	570630.55,	0	0	0	0	0	0	0	0	0	4.25E-13	0.0	0	0	0	0	0	0	0	0	0	6.53636E-15	0.0
443	570670.55,	0	0	0	0	0	0	0	0	0	5.73E-13	0.0	0	0	0	0	0	0	0	0	0	8.82554E-15	0.0
444	570710.55,	0	0	0	0	0	0	0	0	0	8.32E-13	0.0	0	0	0	0	0	0	0	0	0	1.28165E-14	0.0
445	570750.55,	0	0	0	0	0	0	0	0	0	1.38E-12	0.0	0	0	0	0	0	0	0	0	0	2.12182E-14	0.0
446	570790.55,	0	0	0	0	0	0	0	0	0	3.27E-12	0.0	0	0	0	0	0	0	0	0	0	5.03921E-14	0.0
447	571030.55,	0	0	0	0	0	0	0	0	0	1.77E-11	0.0	0	0	0	0	0	0	0	0	0	2.72329E-13	0.0
448	571070.55,	0	0	0	0	0	0	0	0	0	1.02E-11	0.0	0	0	0	0	0	0	0	0	0	1.57076E-13	0.0
449	571110.55,	0	0	0	0	0	0	0	0	0	6.70E-12	0.0	0	0	0	0	0	0	0	0	0	1.03105E-13	0.0
450	571150.55,	0	0	0	0	0	0	0	0	0	4.78E-12	0.0	0	0	0	0	0	0	0	0	0	7.36398E-14	0.0
451	571190.55,	0	0	0	0	0	0	0	0	0	3.60E-12	0.0	0	0	0	0	0	0	0	0	0	5.54611E-14	0.0
452	571230.55,	0	0	0	0	0	0	0	0	0	2.83E-12	0.0	0	0	0	0	0	0	0	0	0	4.3647E-14	0.0
453	571270.55,	0	0	0	0	0	0	0	0	0	2.30E-12	0.0	0	0	0	0	0	0	0	0	0	3.53585E-14	0.0
454	571310.55,	0	0	0	0	0	0	0	0	0	1.90E-12	0.0	0	0	0	0	0	0	0	0	0	2.93218E-14	0.0
455	571350.55,	0	0	0	0	0	0	0	0	0	1.59E-12	0.0	0	0	0	0	0	0	0	0	0	2.44073E-14	0.0
456	571390.55,	0	0	0	0	0	0	0	0	0	1.33E-12	0.0	0	0	0	0	0	0	0	0	0	2.05373E-14	0.0
457	571430.55,	0	0	0	0	0	0	0	0	0	1.13E-12	0.0	0	0	0	0	0	0	0	0	0	1.74535E-14	0.0
458	571470.55,	0	0	0	0	0	0	0	0	0	9.78E-13	0.0	0	0	0	0	0	0	0	0	0	1.50633E-14	0.0
459	571510.55,	0	0	0	0	0	0	0	0	0	8.50E-13	0.0	0	0	0	0	0	0	0	0	0	1.30943E-14	0.0
460	571550.55,	0	0	0	0	0	0	0	0	0	7.44E-13	0.0	0	0	0	0	0	0	0	0	0	1.14508E-14	0.0
461	571590.55,	0	0	0	0	0	0	0	0	0	6.55E-13	0.0	0	0	0	0	0	0	0	0	0	1.00819E-14	0.0
462	570310.55,	0	0	0	0	0	0	0	0	0	1.07E-13	0.0	0	0	0	0	0	0	0	0	0	1.64013E-15	0.0
463	570350.55,	0	0	0	0	0	0	0	0	0	1.20E-13	0.0	0	0	0	0	0	0	0	0	0	1.84827E-15	0.0
464	570390.55,	0	0	0	0	0	0	0	0	0	1.35E-13	0.0	0	0	0	0	0	0	0	0	0	2.08465E-15	0.0
465	570430.55,	0	0	0	0	0	0	0	0	0	1.56E-13	0.0	0	0	0	0	0	0	0	0	0	2.40017E-15	0.0
466	570470.55,	0	0	0	0	0	0	0	0	0	1.82E-13	0.0	0	0	0	0	0	0	0	0	0	2.8016E-15	0.0
467	570510.55,	0	0	0	0	0	0	0	0	0	2.18E-13	0.0	0	0	0	0	0	0	0	0	0	3.36127E-15	0.0
468	570550.55,	0	0	0	0	0	0	0	0	0	2.68E-13	0.0	0	0	0	0	0	0	0	0	0	4.12284E-15	0.0
469	570590.55,	0	0	0	0	0	0	0	0	0	3.34E-13	0.0	0	0	0	0	0	0	0	0	0	5.13846E-15	0.0
470	570630.55,	0	0	0	0	0	0	0	0	0	4.30E-13	0.0	0	0	0	0	0	0	0	0	0	6.62707E-15	0.0
471	570670.55,	0	0	0	0	0	0	0	0	0	5.82E-13	0.0	0	0	0	0	0	0	0	0	0	8.96242E-15	0.0
472	570710.55,	0	0	0	0	0	0	0	0	0	8.44E-13	0.0	0	0	0	0	0	0	0	0	0	1.30012E-14	0.0
473	570750.55,	0	0	0	0	0	0	0	0	0	1.37E-12	0.0	0	0	0	0	0	0	0	0	0	2.10777E-14	0.0
474	570790.55,	0	0	0	0	0	0	0	0	0	2.25E-12	0.0	0	0	0	0	0	0	0	0	0	3.46871E-14	0.0
475	570990.55,	0	0	0	0	0	0	0	0	0	2.07E-11	0.0	0	0	0	0	0	0	0	0	0	3.18635E-13	0.0
476	571030.55,	0	0	0	0	0	0	0	0	0	9.94E-12	0.0	0	0	0	0	0	0	0	0	0	1.53109E-13	0.0
477	571070.55,	0	0	0	0	0	0	0	0	0	6.52E-12	0.0	0	0	0	0	0	0	0	0	0	1.00359E-13	0.0
478	571110.55,	0	0	0	0	0	0	0	0	0	4.70E-12	0.0	0	0	0	0	0	0	0	0	0	7.2343E-14	0.0
479	571150.55,	0	0	0	0	0	0	0	0	0	3.57E-12	0.0	0	0	0	0	0	0	0	0	0	5.50258E-14	0.0
480	571190.55,	0	0	0	0	0	0	0	0	0	2.83E-12	0.0	0	0	0	0	0	0	0	0	0	4.35378E-14	0.0
481	571230.55,	0	0	0	0	0	0	0	0	0	2.27E-12	0.0	0	0	0	0	0	0	0	0	0	3.49864E-14	0.0
482	571270.55,	0	0	0	0	0	0	0	0	0	1.87E-12	0.0	0	0	0	0	0	0	0	0	0	2.8854E-14	0.0
483	571310.55,	0	0	0	0	0	0	0	0	0	1.59E-12	0.0	0	0	0	0	0	0	0	0	0	2.44489E-14	0.0
484	571350.55,	0	0	0	0	0	0	0	0	0	1.36E-12	0.0	0	0	0	0	0	0	0	0	0	2.09067E-14	0.0
485	571390.55,	0	0	0	0	0	0	0	0	0	1.16E-12	0.0	0	0	0	0	0	0	0	0	0	1.78969E-14	0.0
486	571430.55,	0	0	0	0	0	0	0	0	0	1.00E-12	0.0	0	0	0	0	0	0	0	0	0	1.53953E-14	0.0
487	571470.55,	0	0	0	0	0	0	0	0	0	8.69E-13	0.0	0	0	0	0	0	0	0	0	0	1.33741E-14	0.0
488	571510.55,	0	0	0	0	0	0	0	0	0	7.61E-13	0.0	0	0	0	0	0	0	0	0	0	1.17183E-14	0.0
489	571550.55,	0	0	0	0	0	0	0	0	0	6.72E-13	0.0	0	0	0	0	0	0	0	0	0	1.03499E-14	0.0
490	571590.55,	0	0	0	0	0	0	0	0	0	5.99E-13	0.0	0	0	0	0	0	0	0	0	0	9.22244E-15	0.0
491	570310.55,	0	0	0	0	0	0	0	0	0	1.07E-13	0.0	0	0	0	0	0	0	0	0	0	1.64295E-15	0.0
492	570350.55,	0	0	0	0	0	0	0	0	0	1.19E-13	0.0	0	0	0	0	0	0	0	0	0	1.83845E-15	0.0
493	570390.55,	0	0	0	0	0	0	0	0	0	1.35E-13	0.0	0	0	0	0	0	0	0	0	0	2.08588E-15	0.0
494	570430.55,	0	0	0	0	0	0	0	0	0	1.56E-13	0.0	0	0	0	0	0	0	0	0	0	2.40524E-15	0.0

495	570470.55,	0	0	0	0	0	0	0	0	0	1.83E-13	0.0	0	0	0	0	0	0	0	0	0	2.81171E-15	0.0
496	570510.55,	0	0	0	0	0	0	0	0	0	2.19E-13	0.0	0	0	0	0	0	0	0	0	0	3.36736E-15	0.0
497	570550.55,	0	0	0	0	0	0	0	0	0	2.69E-13	0.0	0	0	0	0	0	0	0	0	0	4.14357E-15	0.0
498	570590.55,	0	0	0	0	0	0	0	0	0	3.36E-13	0.0	0	0	0	0	0	0	0	0	0	5.1794E-15	0.0
499	570630.55,	0	0	0	0	0	0	0	0	0	4.34E-13	0.0	0	0	0	0	0	0	0	0	0	6.67939E-15	0.0
500	570670.55,	0	0	0	0	0	0	0	0	0	5.82E-13	0.0	0	0	0	0	0	0	0	0	0	8.9622E-15	0.0
501	570710.55,	0	0	0	0	0	0	0	0	0	8.27E-13	0.0	0	0	0	0	0	0	0	0	0	1.27339E-14	0.0
502	570750.55,	0	0	0	0	0	0	0	0	0	1.24E-12	0.0	0	0	0	0	0	0	0	0	0	1.91364E-14	0.0
503	570790.55,	0	0	0	0	0	0	0	0	0	1.76E-12	0.0	0	0	0	0	0	0	0	0	0	2.70617E-14	0.0
504	570830.55,	0	0	0	0	0	0	0	0	0	3.51E-12	0.0	0	0	0	0	0	0	0	0	0	5.39991E-14	0.0
505	570950.55,	0	0	0	0	0	0	0	0	0	1.52E-11	0.0	0	0	0	0	0	0	0	0	0	2.33501E-13	0.0
506	570990.55,	0	0	0	0	0	0	0	0	0	8.47E-12	0.0	0	0	0	0	0	0	0	0	0	1.30416E-13	0.0
507	571030.55,	0	0	0	0	0	0	0	0	0	5.70E-12	0.0	0	0	0	0	0	0	0	0	0	8.77295E-14	0.0
508	571070.55,	0	0	0	0	0	0	0	0	0	4.19E-12	0.0	0	0	0	0	0	0	0	0	0	6.45458E-14	0.0
509	571110.55,	0	0	0	0	0	0	0	0	0	3.26E-12	0.0	0	0	0	0	0	0	0	0	0	5.01603E-14	0.0
510	571150.55,	0	0	0	0	0	0	0	0	0	2.62E-12	0.0	0	0	0	0	0	0	0	0	0	4.02649E-14	0.0
511	571190.55,	0	0	0	0	0	0	0	0	0	2.16E-12	0.0	0	0	0	0	0	0	0	0	0	3.32365E-14	0.0
512	571230.55,	0	0	0	0	0	0	0	0	0	1.81E-12	0.0	0	0	0	0	0	0	0	0	0	2.78183E-14	0.0
513	571270.55,	0	0	0	0	0	0	0	0	0	1.52E-12	0.0	0	0	0	0	0	0	0	0	0	2.33999E-14	0.0
514	571310.55,	0	0	0	0	0	0	0	0	0	1.30E-12	0.0	0	0	0	0	0	0	0	0	0	1.99758E-14	0.0
515	571350.55,	0	0	0	0	0	0	0	0	0	1.13E-12	0.0	0	0	0	0	0	0	0	0	0	1.73894E-14	0.0
516	571390.55,	0	0	0	0	0	0	0	0	0	9.91E-13	0.0	0	0	0	0	0	0	0	0	0	1.52622E-14	0.0
517	571430.55,	0	0	0	0	0	0	0	0	0	8.69E-13	0.0	0	0	0	0	0	0	0	0	0	1.33734E-14	0.0
518	571470.55,	0	0	0	0	0	0	0	0	0	7.63E-13	0.0	0	0	0	0	0	0	0	0	0	1.17421E-14	0.0
519	571510.55,	0	0	0	0	0	0	0	0	0	6.73E-13	0.0	0	0	0	0	0	0	0	0	0	1.03565E-14	0.0
520	571550.55,	0	0	0	0	0	0	0	0	0	5.99E-13	0.0	0	0	0	0	0	0	0	0	0	9.22688E-15	0.0
521	571590.55,	0	0	0	0	0	0	0	0	0	5.38E-13	0.0	0	0	0	0	0	0	0	0	0	8.28091E-15	0.0
522	570310.55,	0	0	0	0	0	0	0	0	0	1.07E-13	0.0	0	0	0	0	0	0	0	0	0	1.64226E-15	0.0
523	570350.55,	0	0	0	0	0	0	0	0	0	1.20E-13	0.0	0	0	0	0	0	0	0	0	0	1.84774E-15	0.0
524	570390.55,	0	0	0	0	0	0	0	0	0	1.36E-13	0.0	0	0	0	0	0	0	0	0	0	2.09149E-15	0.0
525	570430.55,	0	0	0	0	0	0	0	0	0	1.57E-13	0.0	0	0	0	0	0	0	0	0	0	2.41552E-15	0.0
526	570470.55,	0	0	0	0	0	0	0	0	0	1.84E-13	0.0	0	0	0	0	0	0	0	0	0	2.82884E-15	0.0
527	570510.55,	0	0	0	0	0	0	0	0	0	2.21E-13	0.0	0	0	0	0	0	0	0	0	0	3.40519E-15	0.0
528	570550.55,	0	0	0	0	0	0	0	0	0	2.72E-13	0.0	0	0	0	0	0	0	0	0	0	4.18286E-15	0.0
529	570590.55,	0	0	0	0	0	0	0	0	0	3.39E-13	0.0	0	0	0	0	0	0	0	0	0	5.21271E-15	0.0
530	570630.55,	0	0	0	0	0	0	0	0	0	4.32E-13	0.0	0	0	0	0	0	0	0	0	0	6.65897E-15	0.0
531	570670.55,	0	0	0	0	0	0	0	0	0	5.70E-13	0.0	0	0	0	0	0	0	0	0	0	8.78268E-15	0.0
532	570710.55,	0	0	0	0	0	0	0	0	0	7.74E-13	0.0	0	0	0	0	0	0	0	0	0	1.1913E-14	0.0
533	570750.55,	0	0	0	0	0	0	0	0	0	1.08E-12	0.0	0	0	0	0	0	0	0	0	0	1.66275E-14	0.0
534	570790.55,	0	0	0	0	0	0	0	0	0	1.47E-12	0.0	0	0	0	0	0	0	0	0	0	2.27048E-14	0.0
535	570830.55,	0	0	0	0	0	0	0	0	0	2.41E-12	0.0	0	0	0	0	0	0	0	0	0	3.70468E-14	0.0
536	570870.55,	0	0	0	0	0	0	0	0	0	4.28E-12	0.0	0	0	0	0	0	0	0	0	0	6.58314E-14	0.0
537	570910.55,	0	0	0	0	0	0	0	0	0	6.94E-12	0.0	0	0	0	0	0	0	0	0	0	1.06832E-13	0.0
538	570950.55,	0	0	0	0	0	0	0	0	0	5.20E-12	0.0	0	0	0	0	0	0	0	0	0	8.00746E-14	0.0
539	570990.55,	0	0	0	0	0	0	0	0	0	4.00E-12	0.0	0	0	0	0	0	0	0	0	0	6.15902E-14	0.0
540	571030.55,	0	0	0	0	0	0	0	0	0	3.21E-12	0.0	0	0	0	0	0	0	0	0	0	4.93892E-14	0.0
541	571070.55,	0	0	0	0	0	0	0	0	0	2.64E-12	0.0	0	0	0	0	0	0	0	0	0	4.0707E-14	0.0
542	571110.55,	0	0	0	0	0	0	0	0	0	2.19E-12	0.0	0	0	0	0	0	0	0	0	0	3.37702E-14	0.0
543	571150.55,	0	0	0	0	0	0	0	0	0	1.86E-12	0.0	0	0	0	0	0	0	0	0	0	2.8593E-14	0.0
544	571190.55,	0	0	0	0	0	0	0	0	0	1.60E-12	0.0	0	0	0	0	0	0	0	0	0	2.46312E-14	0.0
545	571230.55,	0	0	0	0	0	0	0	0	0	1.39E-12	0.0	0	0	0	0	0	0	0	0	0	2.13402E-14	0.0
546	571270.55,	0	0	0	0	0	0	0	0	0	1.21E-12	0.0	0	0	0	0	0	0	0	0	0	1.85835E-14	0.0
547	571310.55,	0	0	0	0	0	0	0	0	0	1.05E-12	0.0	0	0	0	0	0	0	0	0	0	1.61423E-14	0.0
548	571350.55,	0	0	0	0	0	0	0	0	0	9.25E-13	0.0	0	0	0	0	0	0	0	0	0	1.42396E-14	0.0
549	571390.55,	0	0	0	0	0	0	0	0	0	8.25E-13	0.0	0	0	0	0	0	0	0	0	0	1.2697E-14	0.0
550	571430.55,	0	0	0	0	0	0	0	0	0	7.39E-13	0.0	0	0	0	0	0	0	0	0	0	1.13769E-14	0.0
551	571470.55,	0	0	0	0	0	0	0	0	0	6.59E-13	0.0	0	0	0	0	0	0	0	0	0	1.01483E-14	0.0
552	571510.55,	0	0	0	0	0	0	0	0	0	5.89E-13	0.0	0	0	0	0	0	0	0	0	0	9.07497E-15	0.0
553	571550.55,	0	0	0	0	0	0	0	0	0	5.29E-13	0.0	0	0	0	0	0	0	0	0	0	8.14068E-15	0.0
554	571590.55,	0	0	0	0	0	0	0	0	0	4.77E-13	0.0	0	0	0	0	0	0	0	0	0	7.3384E-15	0.0
555	570310.55,	0	0	0	0	0	0	0	0	0	1.07E-13	0.0	0	0	0	0	0	0	0	0	0	1.64931E-15	0.0
556	570350.55,	0	0	0	0	0	0	0	0	0	1.21E-13	0.0	0	0	0	0	0	0	0	0	0	1.866E-15	0.0
557	570390.55,	0	0	0	0	0	0	0	0	0	1.38E-13	0.0	0	0	0	0	0	0	0	0	0	2.12152E-15	0.0
558	570430.55,	0	0	0	0	0	0	0	0	0	1.59E-13	0.0	0	0	0	0	0	0	0	0	0	2.44753E-15	0.0
559	570470.55,	0	0	0	0	0	0	0	0	0	1.87E-13	0.0	0	0	0	0	0	0	0	0	0	2.88582E-15	0.0
560	570510.55,	0	0	0	0	0	0	0	0	0	2.25E-13	0.0	0	0	0	0	0	0	0	0	0	3.46334E-15	0.0
561	570550.55,	0	0	0	0	0	0	0	0	0	2.73E-13	0.0	0	0	0	0	0	0	0	0	0	4.20857E-15	0.0
562	570590.55,	0	0	0	0	0	0	0	0	0	3.36E-13	0.0	0	0	0	0	0	0	0	0	0	5.18092E-15	0.0
563	570630.55,	0	0	0	0	0	0	0	0	0	4.23E-13	0.0	0	0	0	0	0	0	0	0	0	6.51176E-15	0.0
564	570670.55,	0	0	0	0	0	0	0	0	0	5.39E-13	0.0	0	0	0	0	0	0	0	0	0	8.293E-15	0.0
565	570710.55,	0	0	0	0	0	0	0	0	0	6.94E-13	0.0	0	0	0	0	0	0	0	0	0	1.06819E-14	0.0
566	570750.55,	0	0	0	0	0	0	0	0	0	8.98E-13	0.0	0	0	0	0	0	0	0	0	0	1.3823E-14	0.0
567	570790.55,	0	0	0	0	0	0	0	0	0	1.16E-12	0.0	0	0	0	0	0	0	0	0	0	1.77964E-14	0.0
568	570830.55,	0	0	0	0	0	0	0	0	0	1.55E-12	0.0	0	0	0	0	0	0	0	0	0	2.38998E-14	0.0
569	570870.55,	0	0	0	0	0	0	0	0	0	2.00E-12	0.0	0	0	0	0	0	0	0	0	0	3.07989E-14	0.0
570	570910.55,	0	0	0	0	0	0	0	0	0	2.30E-12	0.0	0	0	0	0	0	0	0	0	0	3.53534E-14	0.0
571	570950.55,	0	0	0	0	0	0	0	0	0	2.26E-12	0.0	0	0	0	0	0	0	0	0	0	3.47926E-14	0.0
572	570990.55,	0	0	0	0	0	0	0	0	0	2.08E-12	0.0	0	0	0	0	0	0	0	0	0	3.20769E-14	0.0
573	571030.55,	0	0	0	0	0	0	0	0	0	1.87E-12	0.0	0	0	0	0	0	0	0	0	0	2.87685E-14	0.0
574	571070.55,	0	0	0	0	0	0	0	0	0	1.68E-12	0.0	0	0	0	0	0	0	0	0	0	2.5896E-14	0.0
575	571110.55,	0	0	0	0	0	0	0	0	0	1.49E-12	0.0	0	0	0	0	0	0	0	0	0	2.29801E-14	0.0
576	571150.55,	0	0	0	0	0	0	0	0	0	1.32E-12	0.0	0	0	0	0	0	0	0	0	0	2.02782E-14	0.0
577	571190.55,	0	0	0	0	0	0	0	0	0	1.17E-12	0.0	0	0	0	0	0	0	0	0	0	1.80574E-14	0.0

578	571230.55,	0	0	0	0	0	0	0	0	0	1.05E-12	0.0	0	0	0	0	0	0	0	0	0	1.61324E-14	0.0
579	571270.55,	0	0	0	0	0	0	0	0	0	9.38E-13	0.0	0	0	0	0	0	0	0	0	0	1.44488E-14	0.0
580	571310.55,	0	0	0	0	0	0	0	0	0	8.39E-13	0.0	0	0	0	0	0	0	0	0	0	1.29188E-14	0.0
581	571350.55,	0	0	0	0	0	0	0	0	0	7.51E-13	0.0	0	0	0	0	0	0	0	0	0	1.15575E-14	0.0
582	571390.55,	0	0	0	0	0	0	0	0	0	6.78E-13	0.0	0	0	0	0	0	0	0	0	0	1.04417E-14	0.0
583	571430.55,	0	0	0	0	0	0	0	0	0	6.17E-13	0.0	0	0	0	0	0	0	0	0	0	9.50486E-15	0.0
584	571470.55,	0	0	0	0	0	0	0	0	0	5.62E-13	0.0	0	0	0	0	0	0	0	0	0	8.65974E-15	0.0
585	571510.55,	0	0	0	0	0	0	0	0	0	5.09E-13	0.0	0	0	0	0	0	0	0	0	0	7.83427E-15	0.0
586	571550.55,	0	0	0	0	0	0	0	0	0	4.62E-13	0.0	0	0	0	0	0	0	0	0	0	7.11483E-15	0.0
587	571590.55,	0	0	0	0	0	0	0	0	0	4.21E-13	0.0	0	0	0	0	0	0	0	0	0	6.48197E-15	0.0
588	570310.55,	0	0	0	0	0	0	0	0	0	1.08E-13	0.0	0	0	0	0	0	0	0	0	0	1.66749E-15	0.0
589	570350.55,	0	0	0	0	0	0	0	0	0	1.23E-13	0.0	0	0	0	0	0	0	0	0	0	1.89204E-15	0.0
590	570390.55,	0	0	0	0	0	0	0	0	0	1.41E-13	0.0	0	0	0	0	0	0	0	0	0	2.16758E-15	0.0
591	570430.55,	0	0	0	0	0	0	0	0	0	1.63E-13	0.0	0	0	0	0	0	0	0	0	0	2.50965E-15	0.0
592	570470.55,	0	0	0	0	0	0	0	0	0	1.91E-13	0.0	0	0	0	0	0	0	0	0	0	2.93852E-15	0.0
593	570510.55,	0	0	0	0	0	0	0	0	0	2.26E-13	0.0	0	0	0	0	0	0	0	0	0	3.48542E-15	0.0
594	570550.55,	0	0	0	0	0	0	0	0	0	2.71E-13	0.0	0	0	0	0	0	0	0	0	0	4.16985E-15	0.0
595	570590.55,	0	0	0	0	0	0	0	0	0	3.29E-13	0.0	0	0	0	0	0	0	0	0	0	5.06022E-15	0.0
596	570630.55,	0	0	0	0	0	0	0	0	0	4.01E-13	0.0	0	0	0	0	0	0	0	0	0	6.17414E-15	0.0
597	570670.55,	0	0	0	0	0	0	0	0	0	4.91E-13	0.0	0	0	0	0	0	0	0	0	0	7.56405E-15	0.0
598	570710.55,	0	0	0	0	0	0	0	0	0	6.00E-13	0.0	0	0	0	0	0	0	0	0	0	9.24079E-15	0.0
599	570750.55,	0	0	0	0	0	0	0	0	0	7.28E-13	0.0	0	0	0	0	0	0	0	0	0	1.12036E-14	0.0
600	570790.55,	0	0	0	0	0	0	0	0	0	8.80E-13	0.0	0	0	0	0	0	0	0	0	0	1.35423E-14	0.0
601	570830.55,	0	0	0	0	0	0	0	0	0	1.04E-12	0.0	0	0	0	0	0	0	0	0	0	1.60832E-14	0.0
602	570870.55,	0	0	0	0	0	0	0	0	0	1.22E-12	0.0	0	0	0	0	0	0	0	0	0	1.87741E-14	0.0
603	570910.55,	0	0	0	0	0	0	0	0	0	1.32E-12	0.0	0	0	0	0	0	0	0	0	0	2.02997E-14	0.0
604	570950.55,	0	0	0	0	0	0	0	0	0	1.32E-12	0.0	0	0	0	0	0	0	0	0	0	2.03904E-14	0.0
605	570990.55,	0	0	0	0	0	0	0	0	0	1.28E-12	0.0	0	0	0	0	0	0	0	0	0	1.9706E-14	0.0
606	571030.55,	0	0	0	0	0	0	0	0	0	1.21E-12	0.0	0	0	0	0	0	0	0	0	0	1.86907E-14	0.0
607	571070.55,	0	0	0	0	0	0	0	0	0	1.13E-12	0.0	0	0	0	0	0	0	0	0	0	1.73679E-14	0.0
608	571110.55,	0	0	0	0	0	0	0	0	0	1.04E-12	0.0	0	0	0	0	0	0	0	0	0	1.60689E-14	0.0
609	571150.55,	0	0	0	0	0	0	0	0	0	9.58E-13	0.0	0	0	0	0	0	0	0	0	0	1.47567E-14	0.0
610	571190.55,	0	0	0	0	0	0	0	0	0	8.75E-13	0.0	0	0	0	0	0	0	0	0	0	1.34661E-14	0.0
611	571230.55,	0	0	0	0	0	0	0	0	0	7.98E-13	0.0	0	0	0	0	0	0	0	0	0	1.22833E-14	0.0
612	571270.55,	0	0	0	0	0	0	0	0	0	7.29E-13	0.0	0	0	0	0	0	0	0	0	0	1.12223E-14	0.0
613	571310.55,	0	0	0	0	0	0	0	0	0	6.66E-13	0.0	0	0	0	0	0	0	0	0	0	1.02592E-14	0.0
614	571350.55,	0	0	0	0	0	0	0	0	0	6.07E-13	0.0	0	0	0	0	0	0	0	0	0	9.35322E-15	0.0
615	571390.55,	0	0	0	0	0	0	0	0	0	5.56E-13	0.0	0	0	0	0	0	0	0	0	0	8.55472E-15	0.0
616	571430.55,	0	0	0	0	0	0	0	0	0	5.11E-13	0.0	0	0	0	0	0	0	0	0	0	7.86951E-15	0.0
617	571470.55,	0	0	0	0	0	0	0	0	0	4.73E-13	0.0	0	0	0	0	0	0	0	0	0	7.27916E-15	0.0
618	571510.55,	0	0	0	0	0	0	0	0	0	4.36E-13	0.0	0	0	0	0	0	0	0	0	0	6.70904E-15	0.0
619	571550.55,	0	0	0	0	0	0	0	0	0	4.00E-13	0.0	0	0	0	0	0	0	0	0	0	6.16457E-15	0.0
620	571590.55,	0	0	0	0	0	0	0	0	0	3.68E-13	0.0	0	0	0	0	0	0	0	0	0	5.6647E-15	0.0
621	570310.55,	0	0	0	0	0	0	0	0	0	1.10E-13	0.0	0	0	0	0	0	0	0	0	0	1.69168E-15	0.0
622	570350.55,	0	0	0	0	0	0	0	0	0	1.25E-13	0.0	0	0	0	0	0	0	0	0	0	1.91831E-15	0.0
623	570390.55,	0	0	0	0	0	0	0	0	0	1.42E-13	0.0	0	0	0	0	0	0	0	0	0	2.19371E-15	0.0
624	570430.55,	0	0	0	0	0	0	0	0	0	1.64E-13	0.0	0	0	0	0	0	0	0	0	0	2.5303E-15	0.0
625	570470.55,	0	0	0	0	0	0	0	0	0	1.91E-13	0.0	0	0	0	0	0	0	0	0	0	2.9429E-15	0.0
626	570510.55,	0	0	0	0	0	0	0	0	0	2.24E-13	0.0	0	0	0	0	0	0	0	0	0	3.44133E-15	0.0
627	570550.55,	0	0	0	0	0	0	0	0	0	2.64E-13	0.0	0	0	0	0	0	0	0	0	0	4.06326E-15	0.0
628	570590.55,	0	0	0	0	0	0	0	0	0	3.12E-13	0.0	0	0	0	0	0	0	0	0	0	4.80359E-15	0.0
629	570630.55,	0	0	0	0	0	0	0	0	0	3.69E-13	0.0	0	0	0	0	0	0	0	0	0	5.68091E-15	0.0
630	570670.55,	0	0	0	0	0	0	0	0	0	4.34E-13	0.0	0	0	0	0	0	0	0	0	0	6.68691E-15	0.0
631	570710.55,	0	0	0	0	0	0	0	0	0	5.05E-13	0.0	0	0	0	0	0	0	0	0	0	7.78258E-15	0.0
632	570750.55,	0	0	0	0	0	0	0	0	0	5.81E-13	0.0	0	0	0	0	0	0	0	0	0	8.94568E-15	0.0
633	570790.55,	0	0	0	0	0	0	0	0	0	6.63E-13	0.0	0	0	0	0	0	0	0	0	0	1.02041E-14	0.0
634	570830.55,	0	0	0	0	0	0	0	0	0	7.48E-13	0.0	0	0	0	0	0	0	0	0	0	1.15237E-14	0.0
635	570870.55,	0	0	0	0	0	0	0	0	0	8.39E-13	0.0	0	0	0	0	0	0	0	0	0	1.29144E-14	0.0
636	570910.55,	0	0	0	0	0	0	0	0	0	8.81E-13	0.0	0	0	0	0	0	0	0	0	0	1.35648E-14	0.0
637	570950.55,	0	0	0	0	0	0	0	0	0	8.91E-13	0.0	0	0	0	0	0	0	0	0	0	1.37247E-14	0.0
638	570990.55,	0	0	0	0	0	0	0	0	0	8.78E-13	0.0	0	0	0	0	0	0	0	0	0	1.35184E-14	0.0
639	571030.55,	0	0	0	0	0	0	0	0	0	8.52E-13	0.0	0	0	0	0	0	0	0	0	0	1.3117E-14	0.0
640	571070.55,	0	0	0	0	0	0	0	0	0	8.11E-13	0.0	0	0	0	0	0	0	0	0	0	1.24857E-14	0.0
641	571110.55,	0	0	0	0	0	0	0	0	0	7.61E-13	0.0	0	0	0	0	0	0	0	0	0	1.17222E-14	0.0
642	571150.55,	0	0	0	0	0	0	0	0	0	7.17E-13	0.0	0	0	0	0	0	0	0	0	0	1.10341E-14	0.0
643	571190.55,	0	0	0	0	0	0	0	0	0	6.71E-13	0.0	0	0	0	0	0	0	0	0	0	1.0333E-14	0.0
644	571230.55,	0	0	0	0	0	0	0	0	0	6.22E-13	0.0	0	0	0	0	0	0	0	0	0	9.58019E-15	0.0
645	571270.55,	0	0	0	0	0	0	0	0	0	5.75E-13	0.0	0	0	0	0	0	0	0	0	0	8.85236E-15	0.0
646	571310.55,	0	0	0	0	0	0	0	0	0	5.32E-13	0.0	0	0	0	0	0	0	0	0	0	8.18849E-15	0.0
647	571350.55,	0	0	0	0	0	0	0	0	0	4.92E-13	0.0	0	0	0	0	0	0	0	0	0	7.58132E-15	0.0
648	571390.55,	0	0	0	0	0	0	0	0	0	4.56E-13	0.0	0	0	0	0	0	0	0	0	0	7.02375E-15	0.0
649	571430.55,	0	0	0	0	0	0	0	0	0	4.23E-13	0.0	0	0	0	0	0	0	0	0	0	6.51799E-15	0.0
650	571470.55,	0	0	0	0	0	0	0	0	0	3.95E-13	0.0	0	0	0	0	0	0	0	0	0	6.08233E-15	0.0
651	571510.55,	0	0	0	0	0	0	0	0	0	3.69E-13	0.0	0	0	0	0	0	0	0	0	0	5.68332E-15	0.0
652	571550.55,	0	0	0	0	0	0	0	0	0	3.45E-13	0.0	0	0	0	0	0	0	0	0	0	5.3113E-15	0.0
653	571590.55,	0	0	0	0	0	0	0	0	0	3.21E-13	0.0	0	0	0	0	0	0	0	0	0	4.9431E-15	0.0
654	570310.55,	0	0	0	0	0	0	0	0	0	1.11E-13	0.0	0	0	0	0	0	0	0	0	0	1.71323E-15	0.0
655	570350.55,	0	0	0	0	0	0	0	0	0	1.26E-13	0.0	0	0	0	0	0	0	0	0	0	1.93683E-15	0.0
656	570390.55,	0	0	0	0	0	0	0	0	0	1.43E-13	0.0	0	0	0	0	0	0	0	0	0	2.20353E-15	0.0
657	570430.55,	0	0	0	0	0	0	0	0	0	1.64E-13	0.0	0	0	0	0	0	0	0	0	0	2.52184E-15	0.0
658	570470.55,	0	0	0	0	0	0	0	0	0	1.88E-13	0.0	0	0	0	0	0	0	0	0	0	2.895E-15	0.0
659	570510.55,	0	0	0	0	0	0	0	0	0	2.17E-13	0.0	0	0	0	0	0	0	0	0	0	3.34359E-15	0.0
660	570550.55,	0	0	0	0	0	0	0	0	0	2.51E-13	0.0	0	0	0	0	0	0	0	0	0	3.85745E-15	0.0

661	570590.55,	0	0	0	0	0	0	0	0	0	2.89E-13	0.0	0	0	0	0	0	0	0	0	0	4.44368E-15	0.0
662	570630.55,	0	0	0	0	0	0	0	0	0	3.31E-13	0.0	0	0	0	0	0	0	0	0	0	5.09468E-15	0.0
663	570670.55,	0	0	0	0	0	0	0	0	0	3.75E-13	0.0	0	0	0	0	0	0	0	0	0	5.78102E-15	0.0
664	570710.55,	0	0	0	0	0	0	0	0	0	4.20E-13	0.0	0	0	0	0	0	0	0	0	0	6.46482E-15	0.0
665	570750.55,	0	0	0	0	0	0	0	0	0	4.65E-13	0.0	0	0	0	0	0	0	0	0	0	7.15329E-15	0.0
666	570790.55,	0	0	0	0	0	0	0	0	0	5.12E-13	0.0	0	0	0	0	0	0	0	0	0	7.88824E-15	0.0
667	570830.55,	0	0	0	0	0	0	0	0	0	5.66E-13	0.0	0	0	0	0	0	0	0	0	0	8.71504E-15	0.0
668	570870.55,	0	0	0	0	0	0	0	0	0	6.18E-13	0.0	0	0	0	0	0	0	0	0	0	9.51197E-15	0.0
669	570910.55,	0	0	0	0	0	0	0	0	0	6.40E-13	0.0	0	0	0	0	0	0	0	0	0	9.86048E-15	0.0
670	570950.55,	0	0	0	0	0	0	0	0	0	6.46E-13	0.0	0	0	0	0	0	0	0	0	0	9.9404E-15	0.0
671	570990.55,	0	0	0	0	0	0	0	0	0	6.46E-13	0.0	0	0	0	0	0	0	0	0	0	9.93905E-15	0.0
672	571030.55,	0	0	0	0	0	0	0	0	0	6.33E-13	0.0	0	0	0	0	0	0	0	0	0	9.74512E-15	0.0
673	571070.55,	0	0	0	0	0	0	0	0	0	6.09E-13	0.0	0	0	0	0	0	0	0	0	0	9.37083E-15	0.0
674	571110.55,	0	0	0	0	0	0	0	0	0	5.79E-13	0.0	0	0	0	0	0	0	0	0	0	8.91371E-15	0.0
675	571150.55,	0	0	0	0	0	0	0	0	0	5.52E-13	0.0	0	0	0	0	0	0	0	0	0	8.49338E-15	0.0
676	571190.55,	0	0	0	0	0	0	0	0	0	5.26E-13	0.0	0	0	0	0	0	0	0	0	0	8.10053E-15	0.0
677	571230.55,	0	0	0	0	0	0	0	0	0	4.97E-13	0.0	0	0	0	0	0	0	0	0	0	7.65223E-15	0.0
678	571270.55,	0	0	0	0	0	0	0	0	0	4.65E-13	0.0	0	0	0	0	0	0	0	0	0	7.16108E-15	0.0
679	571310.55,	0	0	0	0	0	0	0	0	0	4.33E-13	0.0	0	0	0	0	0	0	0	0	0	6.67412E-15	0.0
680	571350.55,	0	0	0	0	0	0	0	0	0	4.04E-13	0.0	0	0	0	0	0	0	0	0	0	6.22657E-15	0.0
681	571390.55,	0	0	0	0	0	0	0	0	0	3.77E-13	0.0	0	0	0	0	0	0	0	0	0	5.80743E-15	0.0
682	571430.55,	0	0	0	0	0	0	0	0	0	3.52E-13	0.0	0	0	0	0	0	0	0	0	0	5.41549E-15	0.0
683	571470.55,	0	0	0	0	0	0	0	0	0	3.31E-13	0.0	0	0	0	0	0	0	0	0	0	5.097E-15	0.0
684	571510.55,	0	0	0	0	0	0	0	0	0	3.13E-13	0.0	0	0	0	0	0	0	0	0	0	4.81159E-15	0.0
685	571550.55,	0	0	0	0	0	0	0	0	0	2.95E-13	0.0	0	0	0	0	0	0	0	0	0	4.54397E-15	0.0
686	571590.55,	0	0	0	0	0	0	0	0	0	2.79E-13	0.0	0	0	0	0	0	0	0	0	0	4.29235E-15	0.0
687	570310.55,	0	0	0	0	0	0	0	0	0	1.12E-13	0.0	0	0	0	0	0	0	0	0	0	1.72398E-15	0.0
688	570350.55,	0	0	0	0	0	0	0	0	0	1.26E-13	0.0	0	0	0	0	0	0	0	0	0	1.93811E-15	0.0
689	570390.55,	0	0	0	0	0	0	0	0	0	1.42E-13	0.0	0	0	0	0	0	0	0	0	0	2.1876E-15	0.0
690	570430.55,	0	0	0	0	0	0	0	0	0	1.61E-13	0.0	0	0	0	0	0	0	0	0	0	2.47292E-15	0.0
691	570470.55,	0	0	0	0	0	0	0	0	0	1.82E-13	0.0	0	0	0	0	0	0	0	0	0	2.80535E-15	0.0
692	570510.55,	0	0	0	0	0	0	0	0	0	2.06E-13	0.0	0	0	0	0	0	0	0	0	0	3.17509E-15	0.0
693	570550.55,	0	0	0	0	0	0	0	0	0	2.33E-13	0.0	0	0	0	0	0	0	0	0	0	3.58365E-15	0.0
694	570590.55,	0	0	0	0	0	0	0	0	0	2.62E-13	0.0	0	0	0	0	0	0	0	0	0	4.02632E-15	0.0
695	570630.55,	0	0	0	0	0	0	0	0	0	2.91E-13	0.0	0	0	0	0	0	0	0	0	0	4.48646E-15	0.0
696	570670.55,	0	0	0	0	0	0	0	0	0	3.21E-13	0.0	0	0	0	0	0	0	0	0	0	4.94073E-15	0.0
697	570710.55,	0	0	0	0	0	0	0	0	0	3.49E-13	0.0	0	0	0	0	0	0	0	0	0	5.36868E-15	0.0
698	570750.55,	0	0	0	0	0	0	0	0	0	3.77E-13	0.0	0	0	0	0	0	0	0	0	0	5.79684E-15	0.0
699	570790.55,	0	0	0	0	0	0	0	0	0	4.08E-13	0.0	0	0	0	0	0	0	0	0	0	6.27689E-15	0.0
700	570830.55,	0	0	0	0	0	0	0	0	0	4.45E-13	0.0	0	0	0	0	0	0	0	0	0	6.85074E-15	0.0
701	570870.55,	0	0	0	0	0	0	0	0	0	4.76E-13	0.0	0	0	0	0	0	0	0	0	0	7.33504E-15	0.0
702	570910.55,	0	0	0	0	0	0	0	0	0	4.87E-13	0.0	0	0	0	0	0	0	0	0	0	7.4979E-15	0.0
703	570950.55,	0	0	0	0	0	0	0	0	0	4.67E-13	0.0	0	0	0	0	0	0	0	0	0	7.18808E-15	0.0
704	570990.55,	0	0	0	0	0	0	0	0	0	4.77E-13	0.0	0	0	0	0	0	0	0	0	0	7.33915E-15	0.0
705	571030.55,	0	0	0	0	0	0	0	0	0	4.91E-13	0.0	0	0	0	0	0	0	0	0	0	7.55441E-15	0.0
706	571070.55,	0	0	0	0	0	0	0	0	0	4.74E-13	0.0	0	0	0	0	0	0	0	0	0	7.29512E-15	0.0
707	571110.55,	0	0	0	0	0	0	0	0	0	4.53E-13	0.0	0	0	0	0	0	0	0	0	0	6.97854E-15	0.0
708	571150.55,	0	0	0	0	0	0	0	0	0	4.35E-13	0.0	0	0	0	0	0	0	0	0	0	6.69775E-15	0.0
709	571190.55,	0	0	0	0	0	0	0	0	0	4.20E-13	0.0	0	0	0	0	0	0	0	0	0	6.46713E-15	0.0
710	571230.55,	0	0	0	0	0	0	0	0	0	4.03E-13	0.0	0	0	0	0	0	0	0	0	0	6.20682E-15	0.0
711	571270.55,	0	0	0	0	0	0	0	0	0	3.83E-13	0.0	0	0	0	0	0	0	0	0	0	5.89577E-15	0.0
712	571310.55,	0	0	0	0	0	0	0	0	0	3.61E-13	0.0	0	0	0	0	0	0	0	0	0	5.56164E-15	0.0
713	571350.55,	0	0	0	0	0	0	0	0	0	3.39E-13	0.0	0	0	0	0	0	0	0	0	0	5.21623E-15	0.0
714	571390.55,	0	0	0	0	0	0	0	0	0	3.15E-13	0.0	0	0	0	0	0	0	0	0	0	4.85695E-15	0.0
715	571430.55,	0	0	0	0	0	0	0	0	0	2.97E-13	0.0	0	0	0	0	0	0	0	0	0	4.57166E-15	0.0
716	571470.55,	0	0	0	0	0	0	0	0	0	2.80E-13	0.0	0	0	0	0	0	0	0	0	0	4.31149E-15	0.0
717	571510.55,	0	0	0	0	0	0	0	0	0	2.68E-13	0.0	0	0	0	0	0	0	0	0	0	4.12182E-15	0.0
718	571550.55,	0	0	0	0	0	0	0	0	0	2.53E-13	0.0	0	0	0	0	0	0	0	0	0	3.8934E-15	0.0
719	571590.55,	0	0	0	0	0	0	0	0	0	2.41E-13	0.0	0	0	0	0	0	0	0	0	0	3.7047E-15	0.0
720	570310.55,	0	0	0	0	0	0	0	0	0	1.12E-13	0.0	0	0	0	0	0	0	0	0	0	1.71871E-15	0.0
721	570350.55,	0	0	0	0	0	0	0	0	0	1.25E-13	0.0	0	0	0	0	0	0	0	0	0	1.91718E-15	0.0
722	570390.55,	0	0	0	0	0	0	0	0	0	1.39E-13	0.0	0	0	0	0	0	0	0	0	0	2.13926E-15	0.0
723	570430.55,	0	0	0	0	0	0	0	0	0	1.55E-13	0.0	0	0	0	0	0	0	0	0	0	2.39149E-15	0.0
724	570470.55,	0	0	0	0	0	0	0	0	0	1.73E-13	0.0	0	0	0	0	0	0	0	0	0	2.66494E-15	0.0
725	570510.55,	0	0	0	0	0	0	0	0	0	1.92E-13	0.0	0	0	0	0	0	0	0	0	0	2.96009E-15	0.0
726	570550.55,	0	0	0	0	0	0	0	0	0	2.13E-13	0.0	0	0	0	0	0	0	0	0	0	3.27341E-15	0.0
727	570590.55,	0	0	0	0	0	0	0	0	0	2.34E-13	0.0	0	0	0	0	0	0	0	0	0	3.59753E-15	0.0
728	570630.55,	0	0	0	0	0	0	0	0	0	2.54E-13	0.0	0	0	0	0	0	0	0	0	0	3.91702E-15	0.0
729	570670.55,	0	0	0	0	0	0	0	0	0	2.74E-13	0.0	0	0	0	0	0	0	0	0	0	4.21559E-15	0.0
730	570710.55,	0	0	0	0	0	0	0	0	0	2.91E-13	0.0	0	0	0	0	0	0	0	0	0	4.48757E-15	0.0
731	570750.55,	0	0	0	0	0	0	0	0	0	3.10E-13	0.0	0	0	0	0	0	0	0	0	0	4.76919E-15	0.0
732	570790.55,	0	0	0	0	0	0	0	0	0	3.32E-13	0.0	0	0	0	0	0	0	0	0	0	5.11489E-15	0.0
733	570830.55,	0	0	0	0	0	0	0	0	0	3.60E-13	0.0	0	0	0	0	0	0	0	0	0	5.538E-15	0.0
734	570870.55,	0	0	0	0	0	0	0	0	0	3.80E-13	0.0	0	0	0	0	0	0	0	0	0	5.84778E-15	0.0
735	570910.55,	0	0	0	0	0	0	0	0	0	3.86E-13	0.0	0	0	0	0	0	0	0	0	0	5.94555E-15	0.0
736	570950.55,	0	0	0	0	0	0	0	0	0	3.92E-13	0.0	0	0	0	0	0	0	0	0	0	6.03563E-15	0.0
737	570990.55,	0	0	0	0	0	0	0	0	0	3.91E-13	0.0	0	0	0	0	0	0	0	0	0	6.01795E-15	0.0
738	571030.55,	0	0	0	0	0	0	0	0	0	3.87E-13	0.0	0	0	0	0	0	0	0	0	0	5.95701E-15	0.0
739	571070.55,	0	0	0	0	0	0	0	0	0	3.80E-13	0.0	0	0	0	0	0	0	0	0	0	5.85407E-15	0.0
740	571110.55,	0	0	0	0	0	0	0	0	0	3.65E-13	0.0	0	0	0	0	0	0	0	0	0	5.61441E-15	0.0
741	571150.55,	0	0	0	0	0	0	0	0	0	3.51E-13	0.0	0	0	0	0	0	0	0	0	0	5.40972E-15	0.0
742	571190.55,	0	0	0	0	0	0	0	0	0	3.41E-13	0.0	0	0	0	0	0	0	0	0	0	5.24781E-15	0.0
743	571230.55,	0	0	0	0	0	0	0	0	0	3.31E-13	0.0	0	0	0	0	0	0	0	0	0	5.09096E-15	0.0

744	571270.55,	0	0	0	0	0	0	0	0	0	3.19E-13	0.0	0	0	0	0	0	0	0	0	0	4.90725E-15	0.0
745	571310.55,	0	0	0	0	0	0	0	0	0	3.04E-13	0.0	0	0	0	0	0	0	0	0	0	4.68793E-15	0.0
746	571350.55,	0	0	0	0	0	0	0	0	0	2.88E-13	0.0	0	0	0	0	0	0	0	0	0	4.43922E-15	0.0
747	571390.55,	0	0	0	0	0	0	0	0	0	2.71E-13	0.0	0	0	0	0	0	0	0	0	0	4.17386E-15	0.0
748	571430.55,	0	0	0	0	0	0	0	0	0	2.55E-13	0.0	0	0	0	0	0	0	0	0	0	3.92355E-15	0.0
749	571470.55,	0	0	0	0	0	0	0	0	0	2.41E-13	0.0	0	0	0	0	0	0	0	0	0	3.70555E-15	0.0
750	571510.55,	0	0	0	0	0	0	0	0	0	2.29E-13	0.0	0	0	0	0	0	0	0	0	0	3.53058E-15	0.0
751	571550.55,	0	0	0	0	0	0	0	0	0	2.20E-13	0.0	0	0	0	0	0	0	0	0	0	3.3919E-15	0.0
752	571590.55,	0	0	0	0	0	0	0	0	0	2.09E-13	0.0	0	0	0	0	0	0	0	0	0	3.22449E-15	0.0
753	570839.17,	0	0	0	0	0	0	0	0	0	1.52E-11	0.0	0	0	0	0	0	0	0	0	0	2.34622E-13	0.0
754	570839.17,	0	0	0	0	0	0	0	0	0	1.65E-11	0.0	0	0	0	0	0	0	0	0	0	2.5478E-13	0.0
755	570879.17,	0	0	0	0	0	0	0	0	0	1.31E-11	0.0	0	0	0	0	0	0	0	0	0	2.0138E-13	0.0
756	570879.17,	0	0	0	0	0	0	0	0	0	2.65E-11	0.0	0	0	0	0	0	0	0	0	0	4.08481E-13	0.0
757	570879.17,	0	0	0	0	0	0	0	0	0	1.81E-11	0.0	0	0	0	0	0	0	0	0	0	2.79353E-13	0.0
758	570879.17,	0	0	0	0	0	0	0	0	0	2.87E-11	0.0	0	0	0	0	0	0	0	0	0	4.41297E-13	0.0
759	570879.17,	0	0	0	0	0	0	0	0	0	8.74E-12	0.0	0	0	0	0	0	0	0	0	0	1.34571E-13	0.0
760	570919.17,	0	0	0	0	0	0	0	0	0	9.05E-12	0.0	0	0	0	0	0	0	0	0	0	1.39285E-13	0.0
761	570919.17,	0	0	0	0	0	0	0	0	0	1.91E-11	0.0	0	0	0	0	0	0	0	0	0	2.93543E-13	0.0
762	570919.17,	0	0	0	0	0	0	0	0	0	2.09E-11	0.0	0	0	0	0	0	0	0	0	0	3.22354E-13	0.0
763	570919.17,	0	0	0	0	0	0	0	0	0	8.44E-11	0.0	0	0	0	0	0	0	0	0	0	1.29915E-12	0.0
764	570919.17,	0	0	0	0	0	0	0	0	0	2.52E-11	0.0	0	0	0	0	0	0	0	0	0	3.88031E-13	0.0
765	570919.17,	0	0	0	0	0	0	0	0	0	2.53E-11	0.0	0	0	0	0	0	0	0	0	0	3.89217E-13	0.0
766	570959.17,	0	0	0	0	0	0	0	0	0	1.28E-11	0.0	0	0	0	0	0	0	0	0	0	1.97148E-13	0.0
767	570959.17,	0	0	0	0	0	0	0	0	0	1.20E-11	0.0	0	0	0	0	0	0	0	0	0	1.84356E-13	0.0
768	570959.17,	0	0	0	0	0	0	0	0	0	1.86E-11	0.0	0	0	0	0	0	0	0	0	0	2.86017E-13	0.0
769	570959.17,	0	0	0	0	0	0	0	0	0	2.07E-11	0.0	0	0	0	0	0	0	0	0	0	3.181E-13	0.0
770	570959.17,	0	0	0	0	0	0	0	0	0	3.04E-11	0.0	0	0	0	0	0	0	0	0	0	4.67642E-13	0.0
771	570959.17,	0	0	0	0	0	0	0	0	0	4.07E-11	0.0	0	0	0	0	0	0	0	0	0	6.26389E-13	0.0
772	570999.17,	0	0	0	0	0	0	0	0	0	7.55E-12	0.0	0	0	0	0	0	0	0	0	0	1.1625E-13	0.0
773	570999.17,	0	0	0	0	0	0	0	0	0	1.73E-11	0.0	0	0	0	0	0	0	0	0	0	2.66435E-13	0.0
774	570999.17,	0	0	0	0	0	0	0	0	0	1.61E-11	0.0	0	0	0	0	0	0	0	0	0	2.47755E-13	0.0
775	570999.17,	0	0	0	0	0	0	0	0	0	1.50E-11	0.0	0	0	0	0	0	0	0	0	0	2.30795E-13	0.0
776	570999.17,	0	0	0	0	0	0	0	0	0	1.97E-11	0.0	0	0	0	0	0	0	0	0	0	3.03559E-13	0.0
777	570999.17,	0	0	0	0	0	0	0	0	0	1.85E-11	0.0	0	0	0	0	0	0	0	0	0	2.84184E-13	0.0
778	571039.17,	0	0	0	0	0	0	0	0	0	8.89E-12	0.0	0	0	0	0	0	0	0	0	0	1.36939E-13	0.0
779	571039.17,	0	0	0	0	0	0	0	0	0	1.82E-11	0.0	0	0	0	0	0	0	0	0	0	2.80562E-13	0.0
780	571039.17,	0	0	0	0	0	0	0	0	0	1.78E-11	0.0	0	0	0	0	0	0	0	0	0	2.743E-13	0.0
781	571039.17,	0	0	0	0	0	0	0	0	0	1.71E-11	0.0	0	0	0	0	0	0	0	0	0	2.64024E-13	0.0
782	571039.17,	0	0	0	0	0	0	0	0	0	1.63E-11	0.0	0	0	0	0	0	0	0	0	0	2.5049E-13	0.0
783	571039.17,	0	0	0	0	0	0	0	0	0	1.84E-11	0.0	0	0	0	0	0	0	0	0	0	2.83434E-13	0.0
784	571079.17,	0	0	0	0	0	0	0	0	0	1.59E-11	0.0	0	0	0	0	0	0	0	0	0	2.44846E-13	0.0
785	571079.17,	0	0	0	0	0	0	0	0	0	2.27E-11	0.0	0	0	0	0	0	0	0	0	0	3.49221E-13	0.0
786	571079.17,	0	0	0	0	0	0	0	0	0	1.77E-11	0.0	0	0	0	0	0	0	0	0	0	2.71822E-13	0.0
787	571079.17,	0	0	0	0	0	0	0	0	0	1.81E-11	0.0	0	0	0	0	0	0	0	0	0	2.79352E-13	0.0
788	571079.17,	0	0	0	0	0	0	0	0	0	1.56E-11	0.0	0	0	0	0	0	0	0	0	0	2.40322E-13	0.0
789	571119.17,	0	0	0	0	0	0	0	0	0	3.60E-11	0.0	0	0	0	0	0	0	0	0	0	5.55001E-13	0.0
790	571119.17,	0	0	0	0	0	0	0	0	0	4.27E-11	0.0	0	0	0	0	0	0	0	0	0	6.57388E-13	0.0
791	571119.17,	0	0	0	0	0	0	0	0	0	1.44E-11	0.0	0	0	0	0	0	0	0	0	0	2.22199E-13	0.0
792	571159.17,	0	0	0	0	0	0	0	0	0	4.71E-11	0.0	0	0	0	0	0	0	0	0	0	7.24504E-13	0.0
793	570808.82,	0	0	0	0	0	0	0	0	0	4.71E-12	0.0	0	0	0	0	0	0	0	0	0	7.25606E-14	0.0
794	570823.91,	0	0	0	0	0	0	0	0	0	3.80E-12	0.0	0	0	0	0	0	0	0	0	0	5.85641E-14	0.0
795	570883.31,	0	0	0	0	0	0	0	0	0	4.96E-12	0.0	0	0	0	0	0	0	0	0	0	7.63315E-14	0.0
796	571181.45,	0	0	0	0	0	0	0	0	0	2.60E-11	0.0	0	0	0	0	0	0	0	0	0	3.99564E-13	0.0
797	571067.83,	0	0	0	0	0	0	0	0	0	5.56E-12	0.0	0	0	0	0	0	0	0	0	0	8.56588E-14	0.0
798	570799.89,	0	0	0	0	0	0	0	0	0	3.46E-12	0.0	0	0	0	0	0	0	0	0	0	5.32459E-14	0.0

		Unmitigated Chronic Hazard										
#	X,Y	1	2	3	4	5	6	7	8	9	Total Chronic	Chronic Hazard
1	570310.55,	0	0	0	0	0	0	0	0	0	2.43068E-10	1.62045E-08
2	570350.55,	0	0	0	0	0	0	0	0	0	2.61894E-10	1.74596E-08
3	570390.55,	0	0	0	0	0	0	0	0	0	2.82038E-10	1.88026E-08
4	570430.55,	0	0	0	0	0	0	0	0	0	3.03344E-10	2.02229E-08
5	570470.55,	0	0	0	0	0	0	0	0	0	3.25203E-10	2.16802E-08
6	570510.55,	0	0	0	0	0	0	0	0	0	3.4673E-10	2.31154E-08
7	570550.55,	0	0	0	0	0	0	0	0	0	3.67651E-10	2.45101E-08
8	570590.55,	0	0	0	0	0	0	0	0	0	3.88474E-10	2.58983E-08
9	570630.55,	0	0	0	0	0	0	0	0	0	4.11038E-10	2.74025E-08
10	570670.55,	0	0	0	0	0	0	0	0	0	4.34514E-10	2.89676E-08
11	570710.55,	0	0	0	0	0	0	0	0	0	4.56221E-10	3.04147E-08
12	570750.55,	0	0	0	0	0	0	0	0	0	4.7352E-10	3.1568E-08
13	570790.55,	0	0	0	0	0	0	0	0	0	4.86327E-10	3.24218E-08
14	570830.55,	0	0	0	0	0	0	0	0	0	4.94698E-10	3.29799E-08
15	570870.55,	0	0	0	0	0	0	0	0	0	4.97458E-10	3.31639E-08
16	570910.55,	0	0	0	0	0	0	0	0	0	4.98867E-10	3.32578E-08
17	570950.55,	0	0	0	0	0	0	0	0	0	5.01512E-10	3.34341E-08
18	570990.55,	0	0	0	0	0	0	0	0	0	5.0493E-10	3.3662E-08
19	571030.55,	0	0	0	0	0	0	0	0	0	5.05591E-10	3.3706E-08
20	571070.55,	0	0	0	0	0	0	0	0	0	5.08711E-10	3.39141E-08
21	571110.55,	0	0	0	0	0	0	0	0	0	5.14029E-10	3.42686E-08
22	571150.55,	0	0	0	0	0	0	0	0	0	5.20273E-10	3.46848E-08
23	571190.55,	0	0	0	0	0	0	0	0	0	5.22596E-10	3.48397E-08
24	571230.55,	0	0	0	0	0	0	0	0	0	5.1986E-10	3.46573E-08
25	571270.55,	0	0	0	0	0	0	0	0	0	5.17504E-10	3.45003E-08
26	571310.55,	0	0	0	0	0	0	0	0	0	5.16044E-10	3.4403E-08
27	571350.55,	0	0	0	0	0	0	0	0	0	5.17179E-10	3.44786E-08
28	571390.55,	0	0	0	0	0	0	0	0	0	5.11478E-10	3.40985E-08
29	571430.55,	0	0	0	0	0	0	0	0	0	5.35028E-10	3.56686E-08
30	571470.55,	0	0	0	0	0	0	0	0	0	5.67569E-10	3.78379E-08
31	571510.55,	0	0	0	0	0	0	0	0	0	6.04613E-10	4.03075E-08
32	571550.55,	0	0	0	0	0	0	0	0	0	6.39893E-10	4.26596E-08
33	571590.55,	0	0	0	0	0	0	0	0	0	6.71923E-10	4.47949E-08
34	570310.55,	0	0	0	0	0	0	0	0	0	2.52836E-10	1.68557E-08
35	570350.55,	0	0	0	0	0	0	0	0	0	2.73923E-10	1.82615E-08
36	570390.55,	0	0	0	0	0	0	0	0	0	2.9709E-10	1.9806E-08
37	570430.55,	0	0	0	0	0	0	0	0	0	3.21903E-10	2.14602E-08
38	570470.55,	0	0	0	0	0	0	0	0	0	3.48811E-10	2.32541E-08
39	570510.55,	0	0	0	0	0	0	0	0	0	3.76333E-10	2.50889E-08
40	570550.55,	0	0	0	0	0	0	0	0	0	4.03405E-10	2.68936E-08
41	570590.55,	0	0	0	0	0	0	0	0	0	4.31079E-10	2.87386E-08
42	570630.55,	0	0	0	0	0	0	0	0	0	4.59845E-10	3.06563E-08
43	570670.55,	0	0	0	0	0	0	0	0	0	4.90404E-10	3.26936E-08

44	570710.55,	0	0	0	0	0	0	0	0	0	5.21353E-10	3.47568E-08
45	570750.55,	0	0	0	0	0	0	0	0	0	5.49297E-10	3.66198E-08
46	570790.55,	0	0	0	0	0	0	0	0	0	5.73056E-10	3.82037E-08
47	570830.55,	0	0	0	0	0	0	0	0	0	5.92513E-10	3.95009E-08
48	570870.55,	0	0	0	0	0	0	0	0	0	6.05227E-10	4.03484E-08
49	570910.55,	0	0	0	0	0	0	0	0	0	6.11422E-10	4.07615E-08
50	570950.55,	0	0	0	0	0	0	0	0	0	6.15069E-10	4.10046E-08
51	570990.55,	0	0	0	0	0	0	0	0	0	6.17016E-10	4.11344E-08
52	571030.55,	0	0	0	0	0	0	0	0	0	6.18855E-10	4.1257E-08
53	571070.55,	0	0	0	0	0	0	0	0	0	6.21842E-10	4.14562E-08
54	571110.55,	0	0	0	0	0	0	0	0	0	6.28237E-10	4.18825E-08
55	571150.55,	0	0	0	0	0	0	0	0	0	6.38021E-10	4.25347E-08
56	571190.55,	0	0	0	0	0	0	0	0	0	6.4055E-10	4.27033E-08
57	571230.55,	0	0	0	0	0	0	0	0	0	6.36493E-10	4.24329E-08
58	571270.55,	0	0	0	0	0	0	0	0	0	6.35264E-10	4.2351E-08
59	571310.55,	0	0	0	0	0	0	0	0	0	6.3998E-10	4.26653E-08
60	571350.55,	0	0	0	0	0	0	0	0	0	6.57488E-10	4.38325E-08
61	571390.55,	0	0	0	0	0	0	0	0	0	6.77198E-10	4.51465E-08
62	571430.55,	0	0	0	0	0	0	0	0	0	7.17275E-10	4.78184E-08
63	571470.55,	0	0	0	0	0	0	0	0	0	7.62879E-10	5.08586E-08
64	571510.55,	0	0	0	0	0	0	0	0	0	8.08773E-10	5.39182E-08
65	571550.55,	0	0	0	0	0	0	0	0	0	8.42805E-10	5.6187E-08
66	571590.55,	0	0	0	0	0	0	0	0	0	8.6275E-10	5.75167E-08
67	570310.55,	0	0	0	0	0	0	0	0	0	2.62235E-10	1.74823E-08
68	570350.55,	0	0	0	0	0	0	0	0	0	2.85665E-10	1.90443E-08
69	570390.55,	0	0	0	0	0	0	0	0	0	3.11462E-10	2.07641E-08
70	570430.55,	0	0	0	0	0	0	0	0	0	3.40629E-10	2.27086E-08
71	570470.55,	0	0	0	0	0	0	0	0	0	3.72119E-10	2.48079E-08
72	570510.55,	0	0	0	0	0	0	0	0	0	4.05331E-10	2.70221E-08
73	570550.55,	0	0	0	0	0	0	0	0	0	4.39457E-10	2.92972E-08
74	570590.55,	0	0	0	0	0	0	0	0	0	4.76694E-10	3.17796E-08
75	570630.55,	0	0	0	0	0	0	0	0	0	5.14313E-10	3.42875E-08
76	570670.55,	0	0	0	0	0	0	0	0	0	5.54124E-10	3.69416E-08
77	570710.55,	0	0	0	0	0	0	0	0	0	5.96495E-10	3.97664E-08
78	570750.55,	0	0	0	0	0	0	0	0	0	6.3855E-10	4.257E-08
79	570790.55,	0	0	0	0	0	0	0	0	0	6.77689E-10	4.51792E-08
80	570830.55,	0	0	0	0	0	0	0	0	0	7.1407E-10	4.76047E-08
81	570870.55,	0	0	0	0	0	0	0	0	0	7.45026E-10	4.96684E-08
82	570910.55,	0	0	0	0	0	0	0	0	0	7.65776E-10	5.10517E-08
83	570950.55,	0	0	0	0	0	0	0	0	0	7.74424E-10	5.16282E-08
84	570990.55,	0	0	0	0	0	0	0	0	0	7.77529E-10	5.18352E-08
85	571030.55,	0	0	0	0	0	0	0	0	0	7.78501E-10	5.19001E-08
86	571070.55,	0	0	0	0	0	0	0	0	0	7.81879E-10	5.21252E-08
87	571110.55,	0	0	0	0	0	0	0	0	0	7.42744E-10	4.95162E-08
88	571150.55,	0	0	0	0	0	0	0	0	0	8.03795E-10	5.35863E-08
89	571190.55,	0	0	0	0	0	0	0	0	0	8.06606E-10	5.37737E-08
90	571230.55,	0	0	0	0	0	0	0	0	0	8.03522E-10	5.35682E-08

91	571270.55,	0	0	0	0	0	0	0	0	0	8.15793E-10	5.43862E-08
92	571310.55,	0	0	0	0	0	0	0	0	0	8.41651E-10	5.61101E-08
93	571350.55,	0	0	0	0	0	0	0	0	0	8.85367E-10	5.90245E-08
94	571390.55,	0	0	0	0	0	0	0	0	0	9.40803E-10	6.27202E-08
95	571430.55,	0	0	0	0	0	0	0	0	0	9.90412E-10	6.60275E-08
96	571470.55,	0	0	0	0	0	0	0	0	0	1.0435E-09	6.95665E-08
97	571510.55,	0	0	0	0	0	0	0	0	0	1.07615E-09	7.17434E-08
98	571550.55,	0	0	0	0	0	0	0	0	0	1.08374E-09	7.2249E-08
99	571590.55,	0	0	0	0	0	0	0	0	0	1.071E-09	7.14002E-08
100	570310.55,	0	0	0	0	0	0	0	0	0	2.71036E-10	1.80691E-08
101	570350.55,	0	0	0	0	0	0	0	0	0	2.96811E-10	1.97874E-08
102	570390.55,	0	0	0	0	0	0	0	0	0	3.25962E-10	2.17308E-08
103	570430.55,	0	0	0	0	0	0	0	0	0	3.58692E-10	2.39128E-08
104	570470.55,	0	0	0	0	0	0	0	0	0	3.95455E-10	2.63636E-08
105	570510.55,	0	0	0	0	0	0	0	0	0	4.35134E-10	2.90089E-08
106	570550.55,	0	0	0	0	0	0	0	0	0	4.77416E-10	3.18277E-08
107	570590.55,	0	0	0	0	0	0	0	0	0	5.24524E-10	3.49683E-08
108	570630.55,	0	0	0	0	0	0	0	0	0	5.73178E-10	3.82119E-08
109	570670.55,	0	0	0	0	0	0	0	0	0	6.25048E-10	4.16699E-08
110	570710.55,	0	0	0	0	0	0	0	0	0	6.82325E-10	4.54884E-08
111	570750.55,	0	0	0	0	0	0	0	0	0	7.43086E-10	4.95391E-08
112	570790.55,	0	0	0	0	0	0	0	0	0	8.03913E-10	5.35942E-08
113	570830.55,	0	0	0	0	0	0	0	0	0	8.65129E-10	5.76753E-08
114	570870.55,	0	0	0	0	0	0	0	0	0	9.24923E-10	6.16616E-08
115	570910.55,	0	0	0	0	0	0	0	0	0	9.76965E-10	6.5131E-08
116	570950.55,	0	0	0	0	0	0	0	0	0	1.00607E-09	6.7071E-08
117	570990.55,	0	0	0	0	0	0	0	0	0	1.01309E-09	6.7539E-08
118	571030.55,	0	0	0	0	0	0	0	0	0	1.01554E-09	6.77025E-08
119	571070.55,	0	0	0	0	0	0	0	0	0	1.01785E-09	6.78567E-08
120	571110.55,	0	0	0	0	0	0	0	0	0	9.65339E-10	6.43559E-08
121	571150.55,	0	0	0	0	0	0	0	0	0	1.04566E-09	6.97104E-08
122	571190.55,	0	0	0	0	0	0	0	0	0	1.05774E-09	7.05161E-08
123	571230.55,	0	0	0	0	0	0	0	0	0	1.07768E-09	7.18451E-08
124	571270.55,	0	0	0	0	0	0	0	0	0	1.12741E-09	7.51605E-08
125	571310.55,	0	0	0	0	0	0	0	0	0	1.19884E-09	7.99226E-08
126	571350.55,	0	0	0	0	0	0	0	0	0	1.27271E-09	8.48476E-08
127	571390.55,	0	0	0	0	0	0	0	0	0	1.3354E-09	8.90263E-08
128	571430.55,	0	0	0	0	0	0	0	0	0	1.38494E-09	9.23293E-08
129	571470.55,	0	0	0	0	0	0	0	0	0	1.40121E-09	9.34142E-08
130	571510.55,	0	0	0	0	0	0	0	0	0	1.38187E-09	9.21247E-08
131	571550.55,	0	0	0	0	0	0	0	0	0	1.33486E-09	8.89906E-08
132	571590.55,	0	0	0	0	0	0	0	0	0	1.25988E-09	8.39917E-08
133	570310.55,	0	0	0	0	0	0	0	0	0	2.78882E-10	1.85921E-08
134	570350.55,	0	0	0	0	0	0	0	0	0	3.07118E-10	2.04745E-08
135	570390.55,	0	0	0	0	0	0	0	0	0	3.39304E-10	2.26203E-08
136	570430.55,	0	0	0	0	0	0	0	0	0	3.76301E-10	2.50867E-08
137	570470.55,	0	0	0	0	0	0	0	0	0	4.18281E-10	2.78854E-08

138	570510.55,	0	0	0	0	0	0	0	0	0	4.66055E-10	3.10703E-08
139	570550.55,	0	0	0	0	0	0	0	0	0	5.18249E-10	3.45499E-08
140	570590.55,	0	0	0	0	0	0	0	0	0	5.75303E-10	3.83535E-08
141	570630.55,	0	0	0	0	0	0	0	0	0	6.36792E-10	4.24528E-08
142	570670.55,	0	0	0	0	0	0	0	0	0	7.03182E-10	4.68788E-08
143	570710.55,	0	0	0	0	0	0	0	0	0	7.78067E-10	5.18712E-08
144	570750.55,	0	0	0	0	0	0	0	0	0	8.62744E-10	5.75163E-08
145	570790.55,	0	0	0	0	0	0	0	0	0	9.54345E-10	6.3623E-08
146	570830.55,	0	0	0	0	0	0	0	0	0	1.05258E-09	7.01723E-08
147	570870.55,	0	0	0	0	0	0	0	0	0	1.16048E-09	7.73651E-08
148	570910.55,	0	0	0	0	0	0	0	0	0	1.26792E-09	8.45277E-08
149	570950.55,	0	0	0	0	0	0	0	0	0	1.3506E-09	9.004E-08
150	570990.55,	0	0	0	0	0	0	0	0	0	1.38422E-09	9.22812E-08
151	571030.55,	0	0	0	0	0	0	0	0	0	1.39419E-09	9.2946E-08
152	571070.55,	0	0	0	0	0	0	0	0	0	1.41154E-09	9.41028E-08
153	571110.55,	0	0	0	0	0	0	0	0	0	1.42151E-09	9.47674E-08
154	571150.55,	0	0	0	0	0	0	0	0	0	1.46245E-09	9.74965E-08
155	571190.55,	0	0	0	0	0	0	0	0	0	1.50322E-09	1.00214E-07
156	571230.55,	0	0	0	0	0	0	0	0	0	1.59463E-09	1.06309E-07
157	571270.55,	0	0	0	0	0	0	0	0	0	1.70865E-09	1.1391E-07
158	571310.55,	0	0	0	0	0	0	0	0	0	1.80232E-09	1.20155E-07
159	571350.55,	0	0	0	0	0	0	0	0	0	1.86422E-09	1.24281E-07
160	571390.55,	0	0	0	0	0	0	0	0	0	1.8875E-09	1.25833E-07
161	571430.55,	0	0	0	0	0	0	0	0	0	1.86689E-09	1.24459E-07
162	571470.55,	0	0	0	0	0	0	0	0	0	1.79247E-09	1.19498E-07
163	571510.55,	0	0	0	0	0	0	0	0	0	1.68857E-09	1.12571E-07
164	571550.55,	0	0	0	0	0	0	0	0	0	1.55229E-09	1.03486E-07
165	571590.55,	0	0	0	0	0	0	0	0	0	1.40652E-09	9.37683E-08
166	570310.55,	0	0	0	0	0	0	0	0	0	2.85415E-10	1.90277E-08
167	570350.55,	0	0	0	0	0	0	0	0	0	3.16254E-10	2.10836E-08
168	570390.55,	0	0	0	0	0	0	0	0	0	3.51697E-10	2.34465E-08
169	570430.55,	0	0	0	0	0	0	0	0	0	3.92739E-10	2.61826E-08
170	570470.55,	0	0	0	0	0	0	0	0	0	4.4051E-10	2.93673E-08
171	570510.55,	0	0	0	0	0	0	0	0	0	4.95542E-10	3.30362E-08
172	570550.55,	0	0	0	0	0	0	0	0	0	5.59173E-10	3.72782E-08
173	570590.55,	0	0	0	0	0	0	0	0	0	6.29542E-10	4.19695E-08
174	570630.55,	0	0	0	0	0	0	0	0	0	7.07014E-10	4.71343E-08
175	570670.55,	0	0	0	0	0	0	0	0	0	7.91355E-10	5.2757E-08
176	570710.55,	0	0	0	0	0	0	0	0	0	8.86558E-10	5.91039E-08
177	570750.55,	0	0	0	0	0	0	0	0	0	9.98255E-10	6.65504E-08
178	570790.55,	0	0	0	0	0	0	0	0	0	1.12907E-09	7.52715E-08
179	570830.55,	0	0	0	0	0	0	0	0	0	1.28051E-09	8.53671E-08
180	570870.55,	0	0	0	0	0	0	0	0	0	1.46151E-09	9.74343E-08
181	570910.55,	0	0	0	0	0	0	0	0	0	1.66875E-09	1.1125E-07
182	570950.55,	0	0	0	0	0	0	0	0	0	1.86423E-09	1.24282E-07
183	570990.55,	0	0	0	0	0	0	0	0	0	2.01541E-09	1.34361E-07
184	571030.55,	0	0	0	0	0	0	0	0	0	2.08205E-09	1.38803E-07

185	571070.55,	0	0	0	0	0	0	0	0	0	2.11606E-09	1.4107E-07
186	571110.55,	0	0	0	0	0	0	0	0	0	2.16287E-09	1.44191E-07
187	571150.55,	0	0	0	0	0	0	0	0	0	2.28107E-09	1.52071E-07
188	571190.55,	0	0	0	0	0	0	0	0	0	2.45563E-09	1.63709E-07
189	571230.55,	0	0	0	0	0	0	0	0	0	2.62436E-09	1.74957E-07
190	571270.55,	0	0	0	0	0	0	0	0	0	2.70853E-09	1.80568E-07
191	571310.55,	0	0	0	0	0	0	0	0	0	2.72367E-09	1.81578E-07
192	571350.55,	0	0	0	0	0	0	0	0	0	2.67901E-09	1.78601E-07
193	571390.55,	0	0	0	0	0	0	0	0	0	2.56362E-09	1.70908E-07
194	571430.55,	0	0	0	0	0	0	0	0	0	2.38239E-09	1.58826E-07
195	571470.55,	0	0	0	0	0	0	0	0	0	2.16298E-09	1.44199E-07
196	571510.55,	0	0	0	0	0	0	0	0	0	1.93806E-09	1.29204E-07
197	571550.55,	0	0	0	0	0	0	0	0	0	1.71485E-09	1.14323E-07
198	571590.55,	0	0	0	0	0	0	0	0	0	1.50902E-09	1.00602E-07
199	570310.55,	0	0	0	0	0	0	0	0	0	2.90608E-10	1.93739E-08
200	570350.55,	0	0	0	0	0	0	0	0	0	3.23969E-10	2.15979E-08
201	570390.55,	0	0	0	0	0	0	0	0	0	3.62831E-10	2.41887E-08
202	570430.55,	0	0	0	0	0	0	0	0	0	4.08227E-10	2.72152E-08
203	570470.55,	0	0	0	0	0	0	0	0	0	4.61654E-10	3.07769E-08
204	570510.55,	0	0	0	0	0	0	0	0	0	5.24765E-10	3.49843E-08
205	570550.55,	0	0	0	0	0	0	0	0	0	5.99312E-10	3.99541E-08
206	570590.55,	0	0	0	0	0	0	0	0	0	6.86066E-10	4.57377E-08
207	570630.55,	0	0	0	0	0	0	0	0	0	7.83972E-10	5.22648E-08
208	570670.55,	0	0	0	0	0	0	0	0	0	8.92745E-10	5.95163E-08
209	570710.55,	0	0	0	0	0	0	0	0	0	1.01526E-09	6.7684E-08
210	570750.55,	0	0	0	0	0	0	0	0	0	1.15863E-09	7.72419E-08
211	570790.55,	0	0	0	0	0	0	0	0	0	1.33516E-09	8.90107E-08
212	570830.55,	0	0	0	0	0	0	0	0	0	1.55529E-09	1.03686E-07
213	570870.55,	0	0	0	0	0	0	0	0	0	1.84E-09	1.22667E-07
214	570910.55,	0	0	0	0	0	0	0	0	0	2.21111E-09	1.47407E-07
215	570950.55,	0	0	0	0	0	0	0	0	0	2.67643E-09	1.78429E-07
216	570990.55,	0	0	0	0	0	0	0	0	0	3.17474E-09	2.11649E-07
217	571030.55,	0	0	0	0	0	0	0	0	0	3.54075E-09	2.3605E-07
218	571070.55,	0	0	0	0	0	0	0	0	0	3.72513E-09	2.48342E-07
219	571110.55,	0	0	0	0	0	0	0	0	0	3.99774E-09	2.66516E-07
220	571150.55,	0	0	0	0	0	0	0	0	0	4.40884E-09	2.93923E-07
221	571190.55,	0	0	0	0	0	0	0	0	0	4.53492E-09	3.02328E-07
222	571230.55,	0	0	0	0	0	0	0	0	0	4.43527E-09	2.95685E-07
223	571270.55,	0	0	0	0	0	0	0	0	0	4.25935E-09	2.83957E-07
224	571310.55,	0	0	0	0	0	0	0	0	0	4.0148E-09	2.67653E-07
225	571350.55,	0	0	0	0	0	0	0	0	0	3.66594E-09	2.44396E-07
226	571390.55,	0	0	0	0	0	0	0	0	0	3.25783E-09	2.17189E-07
227	571430.55,	0	0	0	0	0	0	0	0	0	2.84085E-09	1.8939E-07
228	571470.55,	0	0	0	0	0	0	0	0	0	2.45052E-09	1.63368E-07
229	571510.55,	0	0	0	0	0	0	0	0	0	2.11446E-09	1.40964E-07
230	571550.55,	0	0	0	0	0	0	0	0	0	1.82977E-09	1.21985E-07
231	571590.55,	0	0	0	0	0	0	0	0	0	1.58774E-09	1.0585E-07

232	570310.55,	0	0	0	0	0	0	0	0	0	2.94818E-10	1.96545E-08
233	570350.55,	0	0	0	0	0	0	0	0	0	3.30085E-10	2.20057E-08
234	570390.55,	0	0	0	0	0	0	0	0	0	3.7199E-10	2.47993E-08
235	570430.55,	0	0	0	0	0	0	0	0	0	4.21847E-10	2.81232E-08
236	570470.55,	0	0	0	0	0	0	0	0	0	4.81472E-10	3.20981E-08
237	570510.55,	0	0	0	0	0	0	0	0	0	5.52901E-10	3.686E-08
238	570550.55,	0	0	0	0	0	0	0	0	0	6.39114E-10	4.26076E-08
239	570590.55,	0	0	0	0	0	0	0	0	0	7.43177E-10	4.95451E-08
240	570630.55,	0	0	0	0	0	0	0	0	0	8.66235E-10	5.7749E-08
241	570670.55,	0	0	0	0	0	0	0	0	0	1.00803E-09	6.72018E-08
242	570710.55,	0	0	0	0	0	0	0	0	0	1.17016E-09	7.80108E-08
243	570750.55,	0	0	0	0	0	0	0	0	0	1.35991E-09	9.06609E-08
244	570790.55,	0	0	0	0	0	0	0	0	0	1.59574E-09	1.06383E-07
245	570830.55,	0	0	0	0	0	0	0	0	0	1.90622E-09	1.27082E-07
246	570870.55,	0	0	0	0	0	0	0	0	0	2.33266E-09	1.5551E-07
247	570910.55,	0	0	0	0	0	0	0	0	0	2.94905E-09	1.96604E-07
248	570950.55,	0	0	0	0	0	0	0	0	0	3.89391E-09	2.59594E-07
249	570990.55,	0	0	0	0	0	0	0	0	0	5.42992E-09	3.61994E-07
250	571030.55,	0	0	0	0	0	0	0	0	0	7.85455E-09	5.23637E-07
251	571070.55,	0	0	0	0	0	0	0	0	0	1.08337E-08	7.22244E-07
252	571110.55,	0	0	0	0	0	0	0	0	0	1.14696E-08	7.6464E-07
253	571150.55,	0	0	0	0	0	0	0	0	0	9.84405E-09	6.5627E-07
254	571190.55,	0	0	0	0	0	0	0	0	0	8.46685E-09	5.64457E-07
255	571230.55,	0	0	0	0	0	0	0	0	0	7.52322E-09	5.01548E-07
256	571270.55,	0	0	0	0	0	0	0	0	0	6.60575E-09	4.40383E-07
257	571310.55,	0	0	0	0	0	0	0	0	0	5.60279E-09	3.73519E-07
258	571350.55,	0	0	0	0	0	0	0	0	0	4.67148E-09	3.11432E-07
259	571390.55,	0	0	0	0	0	0	0	0	0	3.86856E-09	2.57904E-07
260	571430.55,	0	0	0	0	0	0	0	0	0	3.22161E-09	2.14774E-07
261	571470.55,	0	0	0	0	0	0	0	0	0	2.69871E-09	1.79914E-07
262	571510.55,	0	0	0	0	0	0	0	0	0	2.27647E-09	1.51765E-07
263	571550.55,	0	0	0	0	0	0	0	0	0	1.94415E-09	1.2961E-07
264	571590.55,	0	0	0	0	0	0	0	0	0	1.67276E-09	1.11517E-07
265	570310.55,	0	0	0	0	0	0	0	0	0	2.98456E-10	1.98971E-08
266	570350.55,	0	0	0	0	0	0	0	0	0	3.34855E-10	2.23236E-08
267	570390.55,	0	0	0	0	0	0	0	0	0	3.78798E-10	2.52532E-08
268	570430.55,	0	0	0	0	0	0	0	0	0	4.32249E-10	2.88166E-08
269	570470.55,	0	0	0	0	0	0	0	0	0	4.97592E-10	3.31728E-08
270	570510.55,	0	0	0	0	0	0	0	0	0	5.77838E-10	3.85225E-08
271	570550.55,	0	0	0	0	0	0	0	0	0	6.76766E-10	4.51177E-08
272	570590.55,	0	0	0	0	0	0	0	0	0	7.99382E-10	5.32921E-08
273	570630.55,	0	0	0	0	0	0	0	0	0	9.51243E-10	6.34162E-08
274	570670.55,	0	0	0	0	0	0	0	0	0	1.13542E-09	7.56949E-08
275	570710.55,	0	0	0	0	0	0	0	0	0	1.35389E-09	9.02593E-08
276	570750.55,	0	0	0	0	0	0	0	0	0	1.61323E-09	1.07548E-07
277	570790.55,	0	0	0	0	0	0	0	0	0	1.93875E-09	1.2925E-07
278	570830.55,	0	0	0	0	0	0	0	0	0	2.38687E-09	1.59125E-07

279	570870.55,	0	0	0	0	0	0	0	0	0	3.04739E-09	2.03159E-07
280	570910.55,	0	0	0	0	0	0	0	0	0	4.07734E-09	2.71823E-07
281	570950.55,	0	0	0	0	0	0	0	0	0	5.92925E-09	3.95283E-07
282	570990.55,	0	0	0	0	0	0	0	0	0	1.02866E-08	6.85771E-07
283	571030.55,	0	0	0	0	0	0	0	0	0	1.62041E-08	1.08028E-06
284	571110.55,	0	0	0	0	0	0	0	0	0	5.64807E-08	3.76538E-06
285	571150.55,	0	0	0	0	0	0	0	0	0	2.44368E-08	1.62912E-06
286	571190.55,	0	0	0	0	0	0	0	0	0	1.75003E-08	1.16669E-06
287	571230.55,	0	0	0	0	0	0	0	0	0	1.29732E-08	8.64881E-07
288	571270.55,	0	0	0	0	0	0	0	0	0	9.57147E-09	6.38098E-07
289	571310.55,	0	0	0	0	0	0	0	0	0	7.2409E-09	4.82726E-07
290	571350.55,	0	0	0	0	0	0	0	0	0	5.62713E-09	3.75142E-07
291	571390.55,	0	0	0	0	0	0	0	0	0	4.45997E-09	2.97332E-07
292	571430.55,	0	0	0	0	0	0	0	0	0	3.61622E-09	2.41082E-07
293	571470.55,	0	0	0	0	0	0	0	0	0	2.96956E-09	1.97971E-07
294	571510.55,	0	0	0	0	0	0	0	0	0	2.48589E-09	1.65726E-07
295	571550.55,	0	0	0	0	0	0	0	0	0	2.11345E-09	1.40896E-07
296	571590.55,	0	0	0	0	0	0	0	0	0	1.80635E-09	1.20423E-07
297	570310.55,	0	0	0	0	0	0	0	0	0	3.0192E-10	2.0128E-08
298	570350.55,	0	0	0	0	0	0	0	0	0	3.39035E-10	2.26023E-08
299	570390.55,	0	0	0	0	0	0	0	0	0	3.84164E-10	2.56109E-08
300	570430.55,	0	0	0	0	0	0	0	0	0	4.39765E-10	2.93177E-08
301	570470.55,	0	0	0	0	0	0	0	0	0	5.0902E-10	3.39347E-08
302	570510.55,	0	0	0	0	0	0	0	0	0	5.96298E-10	3.97532E-08
303	570550.55,	0	0	0	0	0	0	0	0	0	7.07349E-10	4.71566E-08
304	570590.55,	0	0	0	0	0	0	0	0	0	8.49692E-10	5.66461E-08
305	570630.55,	0	0	0	0	0	0	0	0	0	1.03307E-09	6.88714E-08
306	570670.55,	0	0	0	0	0	0	0	0	0	1.26853E-09	8.45688E-08
307	570710.55,	0	0	0	0	0	0	0	0	0	1.56522E-09	1.04348E-07
308	570750.55,	0	0	0	0	0	0	0	0	0	1.89548E-09	1.26365E-07
309	570790.55,	0	0	0	0	0	0	0	0	0	2.39911E-09	1.5994E-07
310	570830.55,	0	0	0	0	0	0	0	0	0	3.06392E-09	2.04261E-07
311	570870.55,	0	0	0	0	0	0	0	0	0	4.13949E-09	2.75966E-07
312	570910.55,	0	0	0	0	0	0	0	0	0	6.19277E-09	4.12851E-07
313	570950.55,	0	0	0	0	0	0	0	0	0	1.04788E-08	6.98586E-07
314	571150.55,	0	0	0	0	0	0	0	0	0	1.09101E-07	7.27337E-06
315	571190.55,	0	0	0	0	0	0	0	0	0	3.60385E-08	2.40257E-06
316	571230.55,	0	0	0	0	0	0	0	0	0	1.96798E-08	1.31199E-06
317	571270.55,	0	0	0	0	0	0	0	0	0	1.26635E-08	8.44235E-07
318	571310.55,	0	0	0	0	0	0	0	0	0	8.93896E-09	5.9593E-07
319	571350.55,	0	0	0	0	0	0	0	0	0	6.64014E-09	4.42676E-07
320	571390.55,	0	0	0	0	0	0	0	0	0	5.1163E-09	3.41087E-07
321	571430.55,	0	0	0	0	0	0	0	0	0	4.04947E-09	2.69965E-07
322	571470.55,	0	0	0	0	0	0	0	0	0	3.30358E-09	2.20238E-07
323	571510.55,	0	0	0	0	0	0	0	0	0	2.73371E-09	1.82247E-07
324	571550.55,	0	0	0	0	0	0	0	0	0	2.29726E-09	1.5315E-07
325	571590.55,	0	0	0	0	0	0	0	0	0	1.96649E-09	1.31099E-07

326	570310.55,	0	0	0	0	0	0	0	0	0	3.0558E-10	2.0372E-08
327	570350.55,	0	0	0	0	0	0	0	0	0	3.43251E-10	2.28834E-08
328	570390.55,	0	0	0	0	0	0	0	0	0	3.89182E-10	2.59454E-08
329	570430.55,	0	0	0	0	0	0	0	0	0	4.4615E-10	2.97433E-08
330	570470.55,	0	0	0	0	0	0	0	0	0	5.17834E-10	3.45222E-08
331	570510.55,	0	0	0	0	0	0	0	0	0	6.09479E-10	4.06319E-08
332	570550.55,	0	0	0	0	0	0	0	0	0	7.28896E-10	4.85931E-08
333	570590.55,	0	0	0	0	0	0	0	0	0	8.87438E-10	5.91625E-08
334	570630.55,	0	0	0	0	0	0	0	0	0	1.10189E-09	7.34591E-08
335	570670.55,	0	0	0	0	0	0	0	0	0	1.39517E-09	9.30114E-08
336	570710.55,	0	0	0	0	0	0	0	0	0	1.79443E-09	1.19629E-07
337	570750.55,	0	0	0	0	0	0	0	0	0	2.29259E-09	1.5284E-07
338	570790.55,	0	0	0	0	0	0	0	0	0	2.99121E-09	1.99414E-07
339	570830.55,	0	0	0	0	0	0	0	0	0	4.11188E-09	2.74125E-07
340	570870.55,	0	0	0	0	0	0	0	0	0	6.0395E-09	4.02634E-07
341	570910.55,	0	0	0	0	0	0	0	0	0	1.10773E-08	7.38488E-07
342	571190.55,	0	0	0	0	0	0	0	0	0	4.70761E-08	3.13841E-06
343	571230.55,	0	0	0	0	0	0	0	0	0	2.31004E-08	1.54002E-06
344	571270.55,	0	0	0	0	0	0	0	0	0	1.43552E-08	9.57014E-07
345	571310.55,	0	0	0	0	0	0	0	0	0	9.86202E-09	6.57468E-07
346	571350.55,	0	0	0	0	0	0	0	0	0	7.22026E-09	4.81351E-07
347	571390.55,	0	0	0	0	0	0	0	0	0	5.51912E-09	3.67941E-07
348	571430.55,	0	0	0	0	0	0	0	0	0	4.35943E-09	2.90629E-07
349	571470.55,	0	0	0	0	0	0	0	0	0	3.52881E-09	2.35254E-07
350	571510.55,	0	0	0	0	0	0	0	0	0	2.91651E-09	1.94434E-07
351	571550.55,	0	0	0	0	0	0	0	0	0	2.45065E-09	1.63377E-07
352	571590.55,	0	0	0	0	0	0	0	0	0	2.08201E-09	1.38801E-07
353	570310.55,	0	0	0	0	0	0	0	0	0	3.08803E-10	2.05869E-08
354	570350.55,	0	0	0	0	0	0	0	0	0	3.47996E-10	2.31997E-08
355	570390.55,	0	0	0	0	0	0	0	0	0	3.94682E-10	2.63122E-08
356	570430.55,	0	0	0	0	0	0	0	0	0	4.52625E-10	3.0175E-08
357	570470.55,	0	0	0	0	0	0	0	0	0	5.2586E-10	3.50573E-08
358	570510.55,	0	0	0	0	0	0	0	0	0	6.20363E-10	4.13575E-08
359	570550.55,	0	0	0	0	0	0	0	0	0	7.45271E-10	4.96848E-08
360	570590.55,	0	0	0	0	0	0	0	0	0	9.14908E-10	6.09938E-08
361	570630.55,	0	0	0	0	0	0	0	0	0	1.15241E-09	7.68272E-08
362	570670.55,	0	0	0	0	0	0	0	0	0	1.49788E-09	9.98584E-08
363	570710.55,	0	0	0	0	0	0	0	0	0	2.01848E-09	1.34566E-07
364	570750.55,	0	0	0	0	0	0	0	0	0	2.80565E-09	1.87044E-07
365	570790.55,	0	0	0	0	0	0	0	0	0	3.8041E-09	2.53607E-07
366	570830.55,	0	0	0	0	0	0	0	0	0	5.92307E-09	3.94871E-07
367	570870.55,	0	0	0	0	0	0	0	0	0	1.06495E-08	7.09967E-07
368	571150.55,	0	0	0	0	0	0	0	0	0	6.09927E-08	4.06618E-06
369	571190.55,	0	0	0	0	0	0	0	0	0	3.01483E-08	2.00989E-06
370	571230.55,	0	0	0	0	0	0	0	0	0	1.84532E-08	1.23021E-06
371	571270.55,	0	0	0	0	0	0	0	0	0	1.25922E-08	8.39479E-07
372	571310.55,	0	0	0	0	0	0	0	0	0	9.15888E-09	6.10592E-07

373	571350.55,	0	0	0	0	0	0	0	0	0	6.9573E-09	4.6382E-07
374	571390.55,	0	0	0	0	0	0	0	0	0	5.44649E-09	3.63099E-07
375	571430.55,	0	0	0	0	0	0	0	0	0	4.36689E-09	2.91126E-07
376	571470.55,	0	0	0	0	0	0	0	0	0	3.5731E-09	2.38207E-07
377	571510.55,	0	0	0	0	0	0	0	0	0	2.97473E-09	1.98315E-07
378	571550.55,	0	0	0	0	0	0	0	0	0	2.51219E-09	1.67479E-07
379	571590.55,	0	0	0	0	0	0	0	0	0	2.13422E-09	1.42282E-07
380	570310.55,	0	0	0	0	0	0	0	0	0	3.10627E-10	2.07085E-08
381	570350.55,	0	0	0	0	0	0	0	0	0	3.53033E-10	2.35355E-08
382	570390.55,	0	0	0	0	0	0	0	0	0	4.00104E-10	2.66736E-08
383	570430.55,	0	0	0	0	0	0	0	0	0	4.59405E-10	3.0627E-08
384	570470.55,	0	0	0	0	0	0	0	0	0	5.34067E-10	3.56045E-08
385	570510.55,	0	0	0	0	0	0	0	0	0	6.30886E-10	4.20591E-08
386	570550.55,	0	0	0	0	0	0	0	0	0	7.59942E-10	5.06628E-08
387	570590.55,	0	0	0	0	0	0	0	0	0	9.37765E-10	6.25177E-08
388	570630.55,	0	0	0	0	0	0	0	0	0	1.19308E-09	7.95385E-08
389	570670.55,	0	0	0	0	0	0	0	0	0	1.58019E-09	1.05346E-07
390	570710.55,	0	0	0	0	0	0	0	0	0	2.21092E-09	1.47395E-07
391	570750.55,	0	0	0	0	0	0	0	0	0	3.31689E-09	2.21126E-07
392	570790.55,	0	0	0	0	0	0	0	0	0	4.92767E-09	3.28511E-07
393	570830.55,	0	0	0	0	0	0	0	0	0	1.04733E-08	6.98217E-07
394	571110.55,	0	0	0	0	0	0	0	0	0	5.45151E-08	3.63434E-06
395	571150.55,	0	0	0	0	0	0	0	0	0	2.93605E-08	1.95737E-06
396	571190.55,	0	0	0	0	0	0	0	0	0	1.92005E-08	1.28004E-06
397	571230.55,	0	0	0	0	0	0	0	0	0	1.36627E-08	9.1085E-07
398	571270.55,	0	0	0	0	0	0	0	0	0	1.01318E-08	6.75453E-07
399	571310.55,	0	0	0	0	0	0	0	0	0	7.80593E-09	5.20395E-07
400	571350.55,	0	0	0	0	0	0	0	0	0	6.19745E-09	4.13164E-07
401	571390.55,	0	0	0	0	0	0	0	0	0	5.02617E-09	3.35078E-07
402	571430.55,	0	0	0	0	0	0	0	0	0	4.14076E-09	2.76051E-07
403	571470.55,	0	0	0	0	0	0	0	0	0	3.45163E-09	2.30109E-07
404	571510.55,	0	0	0	0	0	0	0	0	0	2.91687E-09	1.94458E-07
405	571550.55,	0	0	0	0	0	0	0	0	0	2.48658E-09	1.65772E-07
406	571590.55,	0	0	0	0	0	0	0	0	0	2.13978E-09	1.42652E-07
407	570310.55,	0	0	0	0	0	0	0	0	0	3.12925E-10	2.08617E-08
408	570350.55,	0	0	0	0	0	0	0	0	0	3.51586E-10	2.34391E-08
409	570390.55,	0	0	0	0	0	0	0	0	0	4.01824E-10	2.67882E-08
410	570430.55,	0	0	0	0	0	0	0	0	0	4.65126E-10	3.10084E-08
411	570470.55,	0	0	0	0	0	0	0	0	0	5.41575E-10	3.6105E-08
412	570510.55,	0	0	0	0	0	0	0	0	0	6.41255E-10	4.27503E-08
413	570550.55,	0	0	0	0	0	0	0	0	0	7.74674E-10	5.16449E-08
414	570590.55,	0	0	0	0	0	0	0	0	0	9.59995E-10	6.39996E-08
415	570630.55,	0	0	0	0	0	0	0	0	0	1.22993E-09	8.19952E-08
416	570670.55,	0	0	0	0	0	0	0	0	0	1.65048E-09	1.10032E-07
417	570710.55,	0	0	0	0	0	0	0	0	0	2.37097E-09	1.58064E-07
418	570750.55,	0	0	0	0	0	0	0	0	0	3.7597E-09	2.50647E-07
419	570790.55,	0	0	0	0	0	0	0	0	0	7.53671E-09	5.02448E-07

420	571070.55,	0	0	0	0	0	0	0	0	0	3.88027E-08	2.58685E-06
421	571110.55,	0	0	0	0	0	0	0	0	0	3.27636E-08	2.18424E-06
422	571150.55,	0	0	0	0	0	0	0	0	0	2.00157E-08	1.33438E-06
423	571190.55,	0	0	0	0	0	0	0	0	0	1.40567E-08	9.3711E-07
424	571230.55,	0	0	0	0	0	0	0	0	0	1.0591E-08	7.06067E-07
425	571270.55,	0	0	0	0	0	0	0	0	0	8.31037E-09	5.54025E-07
426	571310.55,	0	0	0	0	0	0	0	0	0	6.6336E-09	4.4224E-07
427	571350.55,	0	0	0	0	0	0	0	0	0	5.40066E-09	3.60044E-07
428	571390.55,	0	0	0	0	0	0	0	0	0	4.48805E-09	2.99203E-07
429	571430.55,	0	0	0	0	0	0	0	0	0	3.77622E-09	2.51748E-07
430	571470.55,	0	0	0	0	0	0	0	0	0	3.20439E-09	2.13626E-07
431	571510.55,	0	0	0	0	0	0	0	0	0	2.75756E-09	1.83837E-07
432	571550.55,	0	0	0	0	0	0	0	0	0	2.38517E-09	1.59011E-07
433	571590.55,	0	0	0	0	0	0	0	0	0	2.07237E-09	1.38158E-07
434	570310.55,	0	0	0	0	0	0	0	0	0	3.13585E-10	2.09057E-08
435	570350.55,	0	0	0	0	0	0	0	0	0	3.58047E-10	2.38698E-08
436	570390.55,	0	0	0	0	0	0	0	0	0	4.05949E-10	2.70633E-08
437	570430.55,	0	0	0	0	0	0	0	0	0	4.64723E-10	3.09815E-08
438	570470.55,	0	0	0	0	0	0	0	0	0	5.42824E-10	3.61882E-08
439	570510.55,	0	0	0	0	0	0	0	0	0	6.47232E-10	4.31488E-08
440	570550.55,	0	0	0	0	0	0	0	0	0	7.86862E-10	5.24575E-08
441	570590.55,	0	0	0	0	0	0	0	0	0	9.78696E-10	6.52464E-08
442	570630.55,	0	0	0	0	0	0	0	0	0	1.25961E-09	8.3974E-08
443	570670.55,	0	0	0	0	0	0	0	0	0	1.70075E-09	1.13383E-07
444	570710.55,	0	0	0	0	0	0	0	0	0	2.46985E-09	1.64656E-07
445	570750.55,	0	0	0	0	0	0	0	0	0	4.08893E-09	2.72595E-07
446	570790.55,	0	0	0	0	0	0	0	0	0	9.71096E-09	6.47397E-07
447	571030.55,	0	0	0	0	0	0	0	0	0	5.248E-08	3.49866E-06
448	571070.55,	0	0	0	0	0	0	0	0	0	3.02699E-08	2.01799E-06
449	571110.55,	0	0	0	0	0	0	0	0	0	1.98691E-08	1.32461E-06
450	571150.55,	0	0	0	0	0	0	0	0	0	1.4191E-08	9.46065E-07
451	571190.55,	0	0	0	0	0	0	0	0	0	1.06878E-08	7.1252E-07
452	571230.55,	0	0	0	0	0	0	0	0	0	8.41113E-09	5.60742E-07
453	571270.55,	0	0	0	0	0	0	0	0	0	6.81386E-09	4.54257E-07
454	571310.55,	0	0	0	0	0	0	0	0	0	5.65055E-09	3.76703E-07
455	571350.55,	0	0	0	0	0	0	0	0	0	4.70348E-09	3.13566E-07
456	571390.55,	0	0	0	0	0	0	0	0	0	3.95771E-09	2.63847E-07
457	571430.55,	0	0	0	0	0	0	0	0	0	3.36342E-09	2.24228E-07
458	571470.55,	0	0	0	0	0	0	0	0	0	2.90282E-09	1.93521E-07
459	571510.55,	0	0	0	0	0	0	0	0	0	2.52338E-09	1.68225E-07
460	571550.55,	0	0	0	0	0	0	0	0	0	2.20666E-09	1.47111E-07
461	571590.55,	0	0	0	0	0	0	0	0	0	1.94286E-09	1.29524E-07
462	570310.55,	0	0	0	0	0	0	0	0	0	3.16065E-10	2.1071E-08
463	570350.55,	0	0	0	0	0	0	0	0	0	3.56176E-10	2.37451E-08
464	570390.55,	0	0	0	0	0	0	0	0	0	4.01728E-10	2.67819E-08
465	570430.55,	0	0	0	0	0	0	0	0	0	4.62533E-10	3.08355E-08
466	570470.55,	0	0	0	0	0	0	0	0	0	5.3989E-10	3.59927E-08

467	570510.55,	0	0	0	0	0	0	0	0	0	6.47743E-10	4.31829E-08
468	570550.55,	0	0	0	0	0	0	0	0	0	7.94504E-10	5.29669E-08
469	570590.55,	0	0	0	0	0	0	0	0	0	9.90222E-10	6.60148E-08
470	570630.55,	0	0	0	0	0	0	0	0	0	1.27709E-09	8.51393E-08
471	570670.55,	0	0	0	0	0	0	0	0	0	1.72713E-09	1.15142E-07
472	570710.55,	0	0	0	0	0	0	0	0	0	2.50544E-09	1.6703E-07
473	570750.55,	0	0	0	0	0	0	0	0	0	4.06184E-09	2.70789E-07
474	570790.55,	0	0	0	0	0	0	0	0	0	6.68449E-09	4.45632E-07
475	570990.55,	0	0	0	0	0	0	0	0	0	6.14035E-08	4.09357E-06
476	571030.55,	0	0	0	0	0	0	0	0	0	2.95053E-08	1.96702E-06
477	571070.55,	0	0	0	0	0	0	0	0	0	1.934E-08	1.28933E-06
478	571110.55,	0	0	0	0	0	0	0	0	0	1.39411E-08	9.29405E-07
479	571150.55,	0	0	0	0	0	0	0	0	0	1.06039E-08	7.06928E-07
480	571190.55,	0	0	0	0	0	0	0	0	0	8.39008E-09	5.59339E-07
481	571230.55,	0	0	0	0	0	0	0	0	0	6.74216E-09	4.49477E-07
482	571270.55,	0	0	0	0	0	0	0	0	0	5.5604E-09	3.70693E-07
483	571310.55,	0	0	0	0	0	0	0	0	0	4.7115E-09	3.141E-07
484	571350.55,	0	0	0	0	0	0	0	0	0	4.02889E-09	2.68593E-07
485	571390.55,	0	0	0	0	0	0	0	0	0	3.44887E-09	2.29925E-07
486	571430.55,	0	0	0	0	0	0	0	0	0	2.9668E-09	1.97786E-07
487	571470.55,	0	0	0	0	0	0	0	0	0	2.57729E-09	1.71819E-07
488	571510.55,	0	0	0	0	0	0	0	0	0	2.25822E-09	1.50548E-07
489	571550.55,	0	0	0	0	0	0	0	0	0	1.99451E-09	1.32967E-07
490	571590.55,	0	0	0	0	0	0	0	0	0	1.77724E-09	1.18483E-07
491	570310.55,	0	0	0	0	0	0	0	0	0	3.1661E-10	2.11073E-08
492	570350.55,	0	0	0	0	0	0	0	0	0	3.54284E-10	2.36189E-08
493	570390.55,	0	0	0	0	0	0	0	0	0	4.01966E-10	2.67977E-08
494	570430.55,	0	0	0	0	0	0	0	0	0	4.63509E-10	3.09006E-08
495	570470.55,	0	0	0	0	0	0	0	0	0	5.41838E-10	3.61226E-08
496	570510.55,	0	0	0	0	0	0	0	0	0	6.48918E-10	4.32612E-08
497	570550.55,	0	0	0	0	0	0	0	0	0	7.98499E-10	5.32333E-08
498	570590.55,	0	0	0	0	0	0	0	0	0	9.98112E-10	6.65408E-08
499	570630.55,	0	0	0	0	0	0	0	0	0	1.28717E-09	8.58115E-08
500	570670.55,	0	0	0	0	0	0	0	0	0	1.72709E-09	1.15139E-07
501	570710.55,	0	0	0	0	0	0	0	0	0	2.45393E-09	1.63595E-07
502	570750.55,	0	0	0	0	0	0	0	0	0	3.68773E-09	2.45849E-07
503	570790.55,	0	0	0	0	0	0	0	0	0	5.21501E-09	3.47668E-07
504	570830.55,	0	0	0	0	0	0	0	0	0	1.04061E-08	6.93737E-07
505	570950.55,	0	0	0	0	0	0	0	0	0	4.49975E-08	2.99984E-06
506	570990.55,	0	0	0	0	0	0	0	0	0	2.51323E-08	1.67548E-06
507	571030.55,	0	0	0	0	0	0	0	0	0	1.69062E-08	1.12708E-06
508	571070.55,	0	0	0	0	0	0	0	0	0	1.24385E-08	8.29233E-07
509	571110.55,	0	0	0	0	0	0	0	0	0	9.66629E-09	6.44419E-07
510	571150.55,	0	0	0	0	0	0	0	0	0	7.75936E-09	5.17291E-07
511	571190.55,	0	0	0	0	0	0	0	0	0	6.40495E-09	4.26996E-07
512	571230.55,	0	0	0	0	0	0	0	0	0	5.36082E-09	3.57388E-07
513	571270.55,	0	0	0	0	0	0	0	0	0	4.50936E-09	3.00624E-07

514	571310.55,	0	0	0	0	0	0	0	0	0	3.8495E-09	2.56633E-07
515	571350.55,	0	0	0	0	0	0	0	0	0	3.35107E-09	2.23405E-07
516	571390.55,	0	0	0	0	0	0	0	0	0	2.94116E-09	1.96077E-07
517	571430.55,	0	0	0	0	0	0	0	0	0	2.57715E-09	1.7181E-07
518	571470.55,	0	0	0	0	0	0	0	0	0	2.2628E-09	1.50853E-07
519	571510.55,	0	0	0	0	0	0	0	0	0	1.99579E-09	1.33053E-07
520	571550.55,	0	0	0	0	0	0	0	0	0	1.77809E-09	1.1854E-07
521	571590.55,	0	0	0	0	0	0	0	0	0	1.5958E-09	1.06386E-07
522	570310.55,	0	0	0	0	0	0	0	0	0	3.16477E-10	2.10985E-08
523	570350.55,	0	0	0	0	0	0	0	0	0	3.56074E-10	2.37383E-08
524	570390.55,	0	0	0	0	0	0	0	0	0	4.03047E-10	2.68698E-08
525	570430.55,	0	0	0	0	0	0	0	0	0	4.65491E-10	3.10327E-08
526	570470.55,	0	0	0	0	0	0	0	0	0	5.4514E-10	3.63427E-08
527	570510.55,	0	0	0	0	0	0	0	0	0	6.56207E-10	4.37472E-08
528	570550.55,	0	0	0	0	0	0	0	0	0	8.06071E-10	5.37381E-08
529	570590.55,	0	0	0	0	0	0	0	0	0	1.00453E-09	6.69688E-08
530	570630.55,	0	0	0	0	0	0	0	0	0	1.28324E-09	8.55492E-08
531	570670.55,	0	0	0	0	0	0	0	0	0	1.69249E-09	1.12833E-07
532	570710.55,	0	0	0	0	0	0	0	0	0	2.29574E-09	1.53049E-07
533	570750.55,	0	0	0	0	0	0	0	0	0	3.20425E-09	2.13617E-07
534	570790.55,	0	0	0	0	0	0	0	0	0	4.37539E-09	2.91693E-07
535	570830.55,	0	0	0	0	0	0	0	0	0	7.13922E-09	4.75948E-07
536	570870.55,	0	0	0	0	0	0	0	0	0	1.26862E-08	8.4575E-07
537	570910.55,	0	0	0	0	0	0	0	0	0	2.05874E-08	1.37249E-06
538	570950.55,	0	0	0	0	0	0	0	0	0	1.5431E-08	1.02873E-06
539	570990.55,	0	0	0	0	0	0	0	0	0	1.18689E-08	7.91261E-07
540	571030.55,	0	0	0	0	0	0	0	0	0	9.5177E-09	6.34513E-07
541	571070.55,	0	0	0	0	0	0	0	0	0	7.84456E-09	5.22971E-07
542	571110.55,	0	0	0	0	0	0	0	0	0	6.50778E-09	4.33852E-07
543	571150.55,	0	0	0	0	0	0	0	0	0	5.5101E-09	3.6734E-07
544	571190.55,	0	0	0	0	0	0	0	0	0	4.74663E-09	3.16442E-07
545	571230.55,	0	0	0	0	0	0	0	0	0	4.11243E-09	2.74162E-07
546	571270.55,	0	0	0	0	0	0	0	0	0	3.58119E-09	2.38746E-07
547	571310.55,	0	0	0	0	0	0	0	0	0	3.11075E-09	2.07383E-07
548	571350.55,	0	0	0	0	0	0	0	0	0	2.74408E-09	1.82939E-07
549	571390.55,	0	0	0	0	0	0	0	0	0	2.44682E-09	1.63121E-07
550	571430.55,	0	0	0	0	0	0	0	0	0	2.19243E-09	1.46162E-07
551	571470.55,	0	0	0	0	0	0	0	0	0	1.95566E-09	1.30377E-07
552	571510.55,	0	0	0	0	0	0	0	0	0	1.74882E-09	1.16588E-07
553	571550.55,	0	0	0	0	0	0	0	0	0	1.56878E-09	1.04585E-07
554	571590.55,	0	0	0	0	0	0	0	0	0	1.41417E-09	9.42779E-08
555	570310.55,	0	0	0	0	0	0	0	0	0	3.17836E-10	2.11891E-08
556	570350.55,	0	0	0	0	0	0	0	0	0	3.59593E-10	2.39729E-08
557	570390.55,	0	0	0	0	0	0	0	0	0	4.08834E-10	2.72556E-08
558	570430.55,	0	0	0	0	0	0	0	0	0	4.71658E-10	3.14439E-08
559	570470.55,	0	0	0	0	0	0	0	0	0	5.56122E-10	3.70748E-08
560	570510.55,	0	0	0	0	0	0	0	0	0	6.67413E-10	4.44942E-08

561	570550.55,	0	0	0	0	0	0	0	0	0	8.11025E-10	5.40684E-08
562	570590.55,	0	0	0	0	0	0	0	0	0	9.98404E-10	6.65603E-08
563	570630.55,	0	0	0	0	0	0	0	0	0	1.25487E-09	8.36578E-08
564	570670.55,	0	0	0	0	0	0	0	0	0	1.59813E-09	1.06542E-07
565	570710.55,	0	0	0	0	0	0	0	0	0	2.05848E-09	1.37232E-07
566	570750.55,	0	0	0	0	0	0	0	0	0	2.66379E-09	1.77586E-07
567	570790.55,	0	0	0	0	0	0	0	0	0	3.4295E-09	2.28633E-07
568	570830.55,	0	0	0	0	0	0	0	0	0	4.60568E-09	3.07045E-07
569	570870.55,	0	0	0	0	0	0	0	0	0	5.9352E-09	3.9568E-07
570	570910.55,	0	0	0	0	0	0	0	0	0	6.81288E-09	4.54192E-07
571	570950.55,	0	0	0	0	0	0	0	0	0	6.70482E-09	4.46988E-07
572	570990.55,	0	0	0	0	0	0	0	0	0	6.18148E-09	4.12099E-07
573	571030.55,	0	0	0	0	0	0	0	0	0	5.54392E-09	3.69595E-07
574	571070.55,	0	0	0	0	0	0	0	0	0	4.99036E-09	3.32691E-07
575	571110.55,	0	0	0	0	0	0	0	0	0	4.42845E-09	2.9523E-07
576	571150.55,	0	0	0	0	0	0	0	0	0	3.90777E-09	2.60518E-07
577	571190.55,	0	0	0	0	0	0	0	0	0	3.4798E-09	2.31987E-07
578	571230.55,	0	0	0	0	0	0	0	0	0	3.10885E-09	2.07256E-07
579	571270.55,	0	0	0	0	0	0	0	0	0	2.7844E-09	1.85626E-07
580	571310.55,	0	0	0	0	0	0	0	0	0	2.48955E-09	1.6597E-07
581	571350.55,	0	0	0	0	0	0	0	0	0	2.22723E-09	1.48482E-07
582	571390.55,	0	0	0	0	0	0	0	0	0	2.01219E-09	1.34146E-07
583	571430.55,	0	0	0	0	0	0	0	0	0	1.83166E-09	1.22111E-07
584	571470.55,	0	0	0	0	0	0	0	0	0	1.6688E-09	1.11253E-07
585	571510.55,	0	0	0	0	0	0	0	0	0	1.50973E-09	1.00648E-07
586	571550.55,	0	0	0	0	0	0	0	0	0	1.37109E-09	9.14057E-08
587	571590.55,	0	0	0	0	0	0	0	0	0	1.24913E-09	8.32752E-08
588	570310.55,	0	0	0	0	0	0	0	0	0	3.2134E-10	2.14226E-08
589	570350.55,	0	0	0	0	0	0	0	0	0	3.64611E-10	2.43074E-08
590	570390.55,	0	0	0	0	0	0	0	0	0	4.17711E-10	2.78474E-08
591	570430.55,	0	0	0	0	0	0	0	0	0	4.8363E-10	3.2242E-08
592	570470.55,	0	0	0	0	0	0	0	0	0	5.66276E-10	3.77517E-08
593	570510.55,	0	0	0	0	0	0	0	0	0	6.71668E-10	4.47779E-08
594	570550.55,	0	0	0	0	0	0	0	0	0	8.03564E-10	5.35709E-08
595	570590.55,	0	0	0	0	0	0	0	0	0	9.75145E-10	6.50096E-08
596	570630.55,	0	0	0	0	0	0	0	0	0	1.18981E-09	7.93204E-08
597	570670.55,	0	0	0	0	0	0	0	0	0	1.45765E-09	9.71769E-08
598	570710.55,	0	0	0	0	0	0	0	0	0	1.78077E-09	1.18718E-07
599	570750.55,	0	0	0	0	0	0	0	0	0	2.15902E-09	1.43935E-07
600	570790.55,	0	0	0	0	0	0	0	0	0	2.60972E-09	1.73981E-07
601	570830.55,	0	0	0	0	0	0	0	0	0	3.09936E-09	2.06624E-07
602	570870.55,	0	0	0	0	0	0	0	0	0	3.61791E-09	2.41194E-07
603	570910.55,	0	0	0	0	0	0	0	0	0	3.91191E-09	2.60794E-07
604	570950.55,	0	0	0	0	0	0	0	0	0	3.92939E-09	2.61959E-07
605	570990.55,	0	0	0	0	0	0	0	0	0	3.79751E-09	2.53167E-07
606	571030.55,	0	0	0	0	0	0	0	0	0	3.60185E-09	2.40123E-07
607	571070.55,	0	0	0	0	0	0	0	0	0	3.34692E-09	2.23128E-07

608	571110.55,	0	0	0	0	0	0	0	0	0	3.0966E-09	2.0644E-07
609	571150.55,	0	0	0	0	0	0	0	0	0	2.84374E-09	1.89583E-07
610	571190.55,	0	0	0	0	0	0	0	0	0	2.59503E-09	1.73002E-07
611	571230.55,	0	0	0	0	0	0	0	0	0	2.36709E-09	1.57806E-07
612	571270.55,	0	0	0	0	0	0	0	0	0	2.16262E-09	1.44175E-07
613	571310.55,	0	0	0	0	0	0	0	0	0	1.97703E-09	1.31802E-07
614	571350.55,	0	0	0	0	0	0	0	0	0	1.80244E-09	1.20163E-07
615	571390.55,	0	0	0	0	0	0	0	0	0	1.64856E-09	1.09904E-07
616	571430.55,	0	0	0	0	0	0	0	0	0	1.51652E-09	1.01101E-07
617	571470.55,	0	0	0	0	0	0	0	0	0	1.40275E-09	9.35168E-08
618	571510.55,	0	0	0	0	0	0	0	0	0	1.29289E-09	8.61923E-08
619	571550.55,	0	0	0	0	0	0	0	0	0	1.18796E-09	7.91974E-08
620	571590.55,	0	0	0	0	0	0	0	0	0	1.09163E-09	7.27755E-08
621	570310.55,	0	0	0	0	0	0	0	0	0	3.26001E-10	2.17334E-08
622	570350.55,	0	0	0	0	0	0	0	0	0	3.69673E-10	2.46449E-08
623	570390.55,	0	0	0	0	0	0	0	0	0	4.22745E-10	2.8183E-08
624	570430.55,	0	0	0	0	0	0	0	0	0	4.87609E-10	3.25072E-08
625	570470.55,	0	0	0	0	0	0	0	0	0	5.67121E-10	3.78081E-08
626	570510.55,	0	0	0	0	0	0	0	0	0	6.63173E-10	4.42115E-08
627	570550.55,	0	0	0	0	0	0	0	0	0	7.83023E-10	5.22015E-08
628	570590.55,	0	0	0	0	0	0	0	0	0	9.2569E-10	6.17127E-08
629	570630.55,	0	0	0	0	0	0	0	0	0	1.09476E-09	7.29838E-08
630	570670.55,	0	0	0	0	0	0	0	0	0	1.28862E-09	8.59081E-08
631	570710.55,	0	0	0	0	0	0	0	0	0	1.49977E-09	9.99844E-08
632	570750.55,	0	0	0	0	0	0	0	0	0	1.7239E-09	1.14927E-07
633	570790.55,	0	0	0	0	0	0	0	0	0	1.96642E-09	1.31094E-07
634	570830.55,	0	0	0	0	0	0	0	0	0	2.22072E-09	1.48048E-07
635	570870.55,	0	0	0	0	0	0	0	0	0	2.48871E-09	1.65914E-07
636	570910.55,	0	0	0	0	0	0	0	0	0	2.61404E-09	1.74269E-07
637	570950.55,	0	0	0	0	0	0	0	0	0	2.64486E-09	1.76324E-07
638	570990.55,	0	0	0	0	0	0	0	0	0	2.6051E-09	1.73673E-07
639	571030.55,	0	0	0	0	0	0	0	0	0	2.52775E-09	1.68517E-07
640	571070.55,	0	0	0	0	0	0	0	0	0	2.40609E-09	1.60406E-07
641	571110.55,	0	0	0	0	0	0	0	0	0	2.25896E-09	1.50597E-07
642	571150.55,	0	0	0	0	0	0	0	0	0	2.12636E-09	1.41757E-07
643	571190.55,	0	0	0	0	0	0	0	0	0	1.99125E-09	1.3275E-07
644	571230.55,	0	0	0	0	0	0	0	0	0	1.84618E-09	1.23079E-07
645	571270.55,	0	0	0	0	0	0	0	0	0	1.70592E-09	1.13728E-07
646	571310.55,	0	0	0	0	0	0	0	0	0	1.57799E-09	1.05199E-07
647	571350.55,	0	0	0	0	0	0	0	0	0	1.46098E-09	9.73988E-08
648	571390.55,	0	0	0	0	0	0	0	0	0	1.35353E-09	9.02355E-08
649	571430.55,	0	0	0	0	0	0	0	0	0	1.25607E-09	8.3738E-08
650	571470.55,	0	0	0	0	0	0	0	0	0	1.17211E-09	7.81409E-08
651	571510.55,	0	0	0	0	0	0	0	0	0	1.09522E-09	7.30148E-08
652	571550.55,	0	0	0	0	0	0	0	0	0	1.02353E-09	6.82353E-08
653	571590.55,	0	0	0	0	0	0	0	0	0	9.52575E-10	6.3505E-08
654	570310.55,	0	0	0	0	0	0	0	0	0	3.30154E-10	2.20103E-08

655	570350.55,	0	0	0	0	0	0	0	0	0	3.73243E-10	2.48829E-08
656	570390.55,	0	0	0	0	0	0	0	0	0	4.24637E-10	2.83092E-08
657	570430.55,	0	0	0	0	0	0	0	0	0	4.8598E-10	3.23986E-08
658	570470.55,	0	0	0	0	0	0	0	0	0	5.5789E-10	3.71927E-08
659	570510.55,	0	0	0	0	0	0	0	0	0	6.44337E-10	4.29558E-08
660	570550.55,	0	0	0	0	0	0	0	0	0	7.43361E-10	4.95574E-08
661	570590.55,	0	0	0	0	0	0	0	0	0	8.56332E-10	5.70888E-08
662	570630.55,	0	0	0	0	0	0	0	0	0	9.81785E-10	6.54523E-08
663	570670.55,	0	0	0	0	0	0	0	0	0	1.11405E-09	7.427E-08
664	570710.55,	0	0	0	0	0	0	0	0	0	1.24582E-09	8.30549E-08
665	570750.55,	0	0	0	0	0	0	0	0	0	1.3785E-09	9.18998E-08
666	570790.55,	0	0	0	0	0	0	0	0	0	1.52013E-09	1.01342E-07
667	570830.55,	0	0	0	0	0	0	0	0	0	1.67946E-09	1.11964E-07
668	570870.55,	0	0	0	0	0	0	0	0	0	1.83303E-09	1.22202E-07
669	570910.55,	0	0	0	0	0	0	0	0	0	1.90019E-09	1.2668E-07
670	570950.55,	0	0	0	0	0	0	0	0	0	1.9156E-09	1.27706E-07
671	570990.55,	0	0	0	0	0	0	0	0	0	1.91533E-09	1.27689E-07
672	571030.55,	0	0	0	0	0	0	0	0	0	1.87796E-09	1.25198E-07
673	571070.55,	0	0	0	0	0	0	0	0	0	1.80583E-09	1.20389E-07
674	571110.55,	0	0	0	0	0	0	0	0	0	1.71774E-09	1.14516E-07
675	571150.55,	0	0	0	0	0	0	0	0	0	1.63674E-09	1.09116E-07
676	571190.55,	0	0	0	0	0	0	0	0	0	1.56104E-09	1.04069E-07
677	571230.55,	0	0	0	0	0	0	0	0	0	1.47465E-09	9.83097E-08
678	571270.55,	0	0	0	0	0	0	0	0	0	1.38E-09	9.19998E-08
679	571310.55,	0	0	0	0	0	0	0	0	0	1.28616E-09	8.57438E-08
680	571350.55,	0	0	0	0	0	0	0	0	0	1.19991E-09	7.9994E-08
681	571390.55,	0	0	0	0	0	0	0	0	0	1.11914E-09	7.46092E-08
682	571430.55,	0	0	0	0	0	0	0	0	0	1.04361E-09	6.95739E-08
683	571470.55,	0	0	0	0	0	0	0	0	0	9.82232E-10	6.54821E-08
684	571510.55,	0	0	0	0	0	0	0	0	0	9.27231E-10	6.18154E-08
685	571550.55,	0	0	0	0	0	0	0	0	0	8.7566E-10	5.83774E-08
686	571590.55,	0	0	0	0	0	0	0	0	0	8.2717E-10	5.51446E-08
687	570310.55,	0	0	0	0	0	0	0	0	0	3.32225E-10	2.21484E-08
688	570350.55,	0	0	0	0	0	0	0	0	0	3.73489E-10	2.48992E-08
689	570390.55,	0	0	0	0	0	0	0	0	0	4.21567E-10	2.81045E-08
690	570430.55,	0	0	0	0	0	0	0	0	0	4.76551E-10	3.17701E-08
691	570470.55,	0	0	0	0	0	0	0	0	0	5.40613E-10	3.60409E-08
692	570510.55,	0	0	0	0	0	0	0	0	0	6.11865E-10	4.0791E-08
693	570550.55,	0	0	0	0	0	0	0	0	0	6.90598E-10	4.60399E-08
694	570590.55,	0	0	0	0	0	0	0	0	0	7.75904E-10	5.1727E-08
695	570630.55,	0	0	0	0	0	0	0	0	0	8.64577E-10	5.76385E-08
696	570670.55,	0	0	0	0	0	0	0	0	0	9.52118E-10	6.34746E-08
697	570710.55,	0	0	0	0	0	0	0	0	0	1.03459E-09	6.89725E-08
698	570750.55,	0	0	0	0	0	0	0	0	0	1.1171E-09	7.44732E-08
699	570790.55,	0	0	0	0	0	0	0	0	0	1.20961E-09	8.06405E-08
700	570830.55,	0	0	0	0	0	0	0	0	0	1.32019E-09	8.80128E-08
701	570870.55,	0	0	0	0	0	0	0	0	0	1.41352E-09	9.42347E-08

702	570910.55,	0	0	0	0	0	0	0	0	0	1.44491E-09	9.6327E-08
703	570950.55,	0	0	0	0	0	0	0	0	0	1.3852E-09	9.23468E-08
704	570990.55,	0	0	0	0	0	0	0	0	0	1.41431E-09	9.42876E-08
705	571030.55,	0	0	0	0	0	0	0	0	0	1.4558E-09	9.70531E-08
706	571070.55,	0	0	0	0	0	0	0	0	0	1.40583E-09	9.37218E-08
707	571110.55,	0	0	0	0	0	0	0	0	0	1.34482E-09	8.96548E-08
708	571150.55,	0	0	0	0	0	0	0	0	0	1.29071E-09	8.60473E-08
709	571190.55,	0	0	0	0	0	0	0	0	0	1.24627E-09	8.30845E-08
710	571230.55,	0	0	0	0	0	0	0	0	0	1.1961E-09	7.97403E-08
711	571270.55,	0	0	0	0	0	0	0	0	0	1.13616E-09	7.57441E-08
712	571310.55,	0	0	0	0	0	0	0	0	0	1.07177E-09	7.14516E-08
713	571350.55,	0	0	0	0	0	0	0	0	0	1.00521E-09	6.7014E-08
714	571390.55,	0	0	0	0	0	0	0	0	0	9.35972E-10	6.23982E-08
715	571430.55,	0	0	0	0	0	0	0	0	0	8.80995E-10	5.8733E-08
716	571470.55,	0	0	0	0	0	0	0	0	0	8.30859E-10	5.53906E-08
717	571510.55,	0	0	0	0	0	0	0	0	0	7.94308E-10	5.29539E-08
718	571550.55,	0	0	0	0	0	0	0	0	0	7.5029E-10	5.00193E-08
719	571590.55,	0	0	0	0	0	0	0	0	0	7.13926E-10	4.75951E-08
720	570310.55,	0	0	0	0	0	0	0	0	0	3.3121E-10	2.20806E-08
721	570350.55,	0	0	0	0	0	0	0	0	0	3.69456E-10	2.46304E-08
722	570390.55,	0	0	0	0	0	0	0	0	0	4.12253E-10	2.74835E-08
723	570430.55,	0	0	0	0	0	0	0	0	0	4.60859E-10	3.07239E-08
724	570470.55,	0	0	0	0	0	0	0	0	0	5.13556E-10	3.42371E-08
725	570510.55,	0	0	0	0	0	0	0	0	0	5.70432E-10	3.80288E-08
726	570550.55,	0	0	0	0	0	0	0	0	0	6.30813E-10	4.20542E-08
727	570590.55,	0	0	0	0	0	0	0	0	0	6.93273E-10	4.62182E-08
728	570630.55,	0	0	0	0	0	0	0	0	0	7.54841E-10	5.03227E-08
729	570670.55,	0	0	0	0	0	0	0	0	0	8.12378E-10	5.41585E-08
730	570710.55,	0	0	0	0	0	0	0	0	0	8.6479E-10	5.76527E-08
731	570750.55,	0	0	0	0	0	0	0	0	0	9.19061E-10	6.12708E-08
732	570790.55,	0	0	0	0	0	0	0	0	0	9.8568E-10	6.5712E-08
733	570830.55,	0	0	0	0	0	0	0	0	0	1.06722E-09	7.11478E-08
734	570870.55,	0	0	0	0	0	0	0	0	0	1.12691E-09	7.51276E-08
735	570910.55,	0	0	0	0	0	0	0	0	0	1.14576E-09	7.63837E-08
736	570950.55,	0	0	0	0	0	0	0	0	0	1.16311E-09	7.75409E-08
737	570990.55,	0	0	0	0	0	0	0	0	0	1.15971E-09	7.73138E-08
738	571030.55,	0	0	0	0	0	0	0	0	0	1.14796E-09	7.65309E-08
739	571070.55,	0	0	0	0	0	0	0	0	0	1.12813E-09	7.52084E-08
740	571110.55,	0	0	0	0	0	0	0	0	0	1.08194E-09	7.21294E-08
741	571150.55,	0	0	0	0	0	0	0	0	0	1.0425E-09	6.94997E-08
742	571190.55,	0	0	0	0	0	0	0	0	0	1.0113E-09	6.74197E-08
743	571230.55,	0	0	0	0	0	0	0	0	0	9.8107E-10	6.54046E-08
744	571270.55,	0	0	0	0	0	0	0	0	0	9.45667E-10	6.30445E-08
745	571310.55,	0	0	0	0	0	0	0	0	0	9.03402E-10	6.02268E-08
746	571350.55,	0	0	0	0	0	0	0	0	0	8.55474E-10	5.70316E-08
747	571390.55,	0	0	0	0	0	0	0	0	0	8.04337E-10	5.36225E-08
748	571430.55,	0	0	0	0	0	0	0	0	0	7.561E-10	5.04067E-08

749	571470.55,	0	0	0	0	0	0	0	0	0	7.1409E-10	4.7606E-08
750	571510.55,	0	0	0	0	0	0	0	0	0	6.80372E-10	4.53581E-08
751	571550.55,	0	0	0	0	0	0	0	0	0	6.53646E-10	4.35764E-08
752	571590.55,	0	0	0	0	0	0	0	0	0	6.21386E-10	4.14257E-08
753	570839.17,	0	0	0	0	0	0	0	0	0	4.52135E-08	3.01424E-06
754	570839.17,	0	0	0	0	0	0	0	0	0	4.90982E-08	3.27321E-06
755	570879.17,	0	0	0	0	0	0	0	0	0	3.88075E-08	2.58717E-06
756	570879.17,	0	0	0	0	0	0	0	0	0	7.87175E-08	5.24783E-06
757	570879.17,	0	0	0	0	0	0	0	0	0	5.38336E-08	3.58891E-06
758	570879.17,	0	0	0	0	0	0	0	0	0	8.50414E-08	5.66943E-06
759	570879.17,	0	0	0	0	0	0	0	0	0	2.5933E-08	1.72886E-06
760	570919.17,	0	0	0	0	0	0	0	0	0	2.68413E-08	1.78942E-06
761	570919.17,	0	0	0	0	0	0	0	0	0	5.65681E-08	3.77121E-06
762	570919.17,	0	0	0	0	0	0	0	0	0	6.21203E-08	4.14135E-06
763	570919.17,	0	0	0	0	0	0	0	0	0	2.50357E-07	1.66905E-05
764	570919.17,	0	0	0	0	0	0	0	0	0	7.47767E-08	4.98511E-06
765	570919.17,	0	0	0	0	0	0	0	0	0	7.50053E-08	5.00035E-06
766	570959.17,	0	0	0	0	0	0	0	0	0	3.79921E-08	2.5328E-06
767	570959.17,	0	0	0	0	0	0	0	0	0	3.55269E-08	2.36846E-06
768	570959.17,	0	0	0	0	0	0	0	0	0	5.51178E-08	3.67452E-06
769	570959.17,	0	0	0	0	0	0	0	0	0	6.13004E-08	4.08669E-06
770	570959.17,	0	0	0	0	0	0	0	0	0	9.01184E-08	6.00789E-06
771	570959.17,	0	0	0	0	0	0	0	0	0	1.2071E-07	8.04734E-06
772	570999.17,	0	0	0	0	0	0	0	0	0	2.24023E-08	1.49348E-06
773	570999.17,	0	0	0	0	0	0	0	0	0	5.13441E-08	3.42294E-06
774	570999.17,	0	0	0	0	0	0	0	0	0	4.77444E-08	3.18296E-06
775	570999.17,	0	0	0	0	0	0	0	0	0	4.4476E-08	2.96507E-06
776	570999.17,	0	0	0	0	0	0	0	0	0	5.84982E-08	3.89988E-06
777	570999.17,	0	0	0	0	0	0	0	0	0	5.47645E-08	3.65096E-06
778	571039.17,	0	0	0	0	0	0	0	0	0	2.63893E-08	1.75929E-06
779	571039.17,	0	0	0	0	0	0	0	0	0	5.40666E-08	3.60444E-06
780	571039.17,	0	0	0	0	0	0	0	0	0	5.28598E-08	3.52398E-06
781	571039.17,	0	0	0	0	0	0	0	0	0	5.08796E-08	3.39197E-06
782	571039.17,	0	0	0	0	0	0	0	0	0	4.82714E-08	3.21809E-06
783	571039.17,	0	0	0	0	0	0	0	0	0	5.46201E-08	3.64134E-06
784	571079.17,	0	0	0	0	0	0	0	0	0	4.71838E-08	3.14559E-06
785	571079.17,	0	0	0	0	0	0	0	0	0	6.72978E-08	4.48652E-06
786	571079.17,	0	0	0	0	0	0	0	0	0	5.23822E-08	3.49215E-06
787	571079.17,	0	0	0	0	0	0	0	0	0	5.38334E-08	3.58889E-06
788	571079.17,	0	0	0	0	0	0	0	0	0	4.6312E-08	3.08747E-06
789	571119.17,	0	0	0	0	0	0	0	0	0	1.06953E-07	7.13021E-06
790	571119.17,	0	0	0	0	0	0	0	0	0	1.26684E-07	8.44559E-06
791	571119.17,	0	0	0	0	0	0	0	0	0	4.28196E-08	2.85464E-06
792	571159.17,	0	0	0	0	0	0	0	0	0	1.39618E-07	9.30785E-06
793	570808.82,	0	0	0	0	0	0	0	0	0	1.3983E-08	9.32201E-07
794	570823.91,	0	0	0	0	0	0	0	0	0	1.12858E-08	7.52385E-07
795	570883.31,	0	0	0	0	0	0	0	0	0	1.47097E-08	9.80647E-07

796	571181.45,	0	0	0	0	0	0	0	0	0	7.69992E-08	5.13328E-06
797	571067.83,	0	0	0	0	0	0	0	0	0	1.65071E-08	1.10048E-06
798	570799.89,	0	0	0	0	0	0	0	0	0	1.02609E-08	6.84061E-07

		Unmitigated Acute Hazard										
#	X,Y	1	2	3	4	5	6	7	8	9	Total Acute	Acute Hazard
1	570310.55,	0	0	0	0	0	0	0	0	0	1.17731E-07	5.88655E-07
2	570350.55,	0	0	0	0	0	0	0	0	0	1.24232E-07	6.21158E-07
3	570390.55,	0	0	0	0	0	0	0	0	0	1.31227E-07	6.56135E-07
4	570430.55,	0	0	0	0	0	0	0	0	0	1.36345E-07	6.81725E-07
5	570470.55,	0	0	0	0	0	0	0	0	0	1.38249E-07	6.91246E-07
6	570510.55,	0	0	0	0	0	0	0	0	0	1.40548E-07	7.02739E-07
7	570550.55,	0	0	0	0	0	0	0	0	0	1.49458E-07	7.47291E-07
8	570590.55,	0	0	0	0	0	0	0	0	0	1.53882E-07	7.69412E-07
9	570630.55,	0	0	0	0	0	0	0	0	0	1.58956E-07	7.94781E-07
10	570670.55,	0	0	0	0	0	0	0	0	0	1.69451E-07	8.47256E-07
11	570710.55,	0	0	0	0	0	0	0	0	0	1.84317E-07	9.21585E-07
12	570750.55,	0	0	0	0	0	0	0	0	0	2.02704E-07	1.01352E-06
13	570790.55,	0	0	0	0	0	0	0	0	0	2.12703E-07	1.06352E-06
14	570830.55,	0	0	0	0	0	0	0	0	0	2.19306E-07	1.09653E-06
15	570870.55,	0	0	0	0	0	0	0	0	0	2.35992E-07	1.17996E-06
16	570910.55,	0	0	0	0	0	0	0	0	0	2.36403E-07	1.18201E-06
17	570950.55,	0	0	0	0	0	0	0	0	0	2.67837E-07	1.33919E-06
18	570990.55,	0	0	0	0	0	0	0	0	0	2.80531E-07	1.40265E-06
19	571030.55,	0	0	0	0	0	0	0	0	0	2.9946E-07	1.4973E-06
20	571070.55,	0	0	0	0	0	0	0	0	0	3.14924E-07	1.57462E-06
21	571110.55,	0	0	0	0	0	0	0	0	0	3.12384E-07	1.56192E-06
22	571150.55,	0	0	0	0	0	0	0	0	0	2.98439E-07	1.4922E-06
23	571190.55,	0	0	0	0	0	0	0	0	0	3.16599E-07	1.58299E-06
24	571230.55,	0	0	0	0	0	0	0	0	0	3.44852E-07	1.72426E-06
25	571270.55,	0	0	0	0	0	0	0	0	0	3.36879E-07	1.68439E-06
26	571310.55,	0	0	0	0	0	0	0	0	0	3.34131E-07	1.67065E-06
27	571350.55,	0	0	0	0	0	0	0	0	0	3.14194E-07	1.57097E-06
28	571390.55,	0	0	0	0	0	0	0	0	0	2.71471E-07	1.35735E-06
29	571430.55,	0	0	0	0	0	0	0	0	0	2.70437E-07	1.35219E-06
30	571470.55,	0	0	0	0	0	0	0	0	0	2.58844E-07	1.29422E-06
31	571510.55,	0	0	0	0	0	0	0	0	0	2.32439E-07	1.1622E-06
32	571550.55,	0	0	0	0	0	0	0	0	0	2.0733E-07	1.03665E-06
33	571590.55,	0	0	0	0	0	0	0	0	0	1.68891E-07	8.44456E-07
34	570310.55,	0	0	0	0	0	0	0	0	0	1.21994E-07	6.09969E-07
35	570350.55,	0	0	0	0	0	0	0	0	0	1.26018E-07	6.30091E-07
36	570390.55,	0	0	0	0	0	0	0	0	0	1.3085E-07	6.54252E-07
37	570430.55,	0	0	0	0	0	0	0	0	0	1.38373E-07	6.91867E-07
38	570470.55,	0	0	0	0	0	0	0	0	0	1.47459E-07	7.37295E-07
39	570510.55,	0	0	0	0	0	0	0	0	0	1.53588E-07	7.67939E-07
40	570550.55,	0	0	0	0	0	0	0	0	0	1.55122E-07	7.7561E-07
41	570590.55,	0	0	0	0	0	0	0	0	0	1.62858E-07	8.14288E-07
42	570630.55,	0	0	0	0	0	0	0	0	0	1.72562E-07	8.6281E-07
43	570670.55,	0	0	0	0	0	0	0	0	0	1.74624E-07	8.73118E-07

44	570710.55,	0	0	0	0	0	0	0	0	0	1.93108E-07	9.6554E-07
45	570750.55,	0	0	0	0	0	0	0	0	0	2.13113E-07	1.06557E-06
46	570790.55,	0	0	0	0	0	0	0	0	0	2.28479E-07	1.1424E-06
47	570830.55,	0	0	0	0	0	0	0	0	0	2.37937E-07	1.18968E-06
48	570870.55,	0	0	0	0	0	0	0	0	0	2.51334E-07	1.25667E-06
49	570910.55,	0	0	0	0	0	0	0	0	0	2.68541E-07	1.34271E-06
50	570950.55,	0	0	0	0	0	0	0	0	0	2.78378E-07	1.39189E-06
51	570990.55,	0	0	0	0	0	0	0	0	0	3.115E-07	1.5575E-06
52	571030.55,	0	0	0	0	0	0	0	0	0	3.30661E-07	1.6533E-06
53	571070.55,	0	0	0	0	0	0	0	0	0	3.50517E-07	1.75259E-06
54	571110.55,	0	0	0	0	0	0	0	0	0	3.4255E-07	1.71275E-06
55	571150.55,	0	0	0	0	0	0	0	0	0	3.31036E-07	1.65518E-06
56	571190.55,	0	0	0	0	0	0	0	0	0	3.71093E-07	1.85547E-06
57	571230.55,	0	0	0	0	0	0	0	0	0	3.74836E-07	1.87418E-06
58	571270.55,	0	0	0	0	0	0	0	0	0	3.8126E-07	1.9063E-06
59	571310.55,	0	0	0	0	0	0	0	0	0	3.56855E-07	1.78428E-06
60	571350.55,	0	0	0	0	0	0	0	0	0	3.09122E-07	1.54561E-06
61	571390.55,	0	0	0	0	0	0	0	0	0	3.00381E-07	1.5019E-06
62	571430.55,	0	0	0	0	0	0	0	0	0	2.87859E-07	1.4393E-06
63	571470.55,	0	0	0	0	0	0	0	0	0	2.57751E-07	1.28876E-06
64	571510.55,	0	0	0	0	0	0	0	0	0	2.26358E-07	1.13179E-06
65	571550.55,	0	0	0	0	0	0	0	0	0	1.79557E-07	8.97787E-07
66	571590.55,	0	0	0	0	0	0	0	0	0	1.52346E-07	7.61732E-07
67	570310.55,	0	0	0	0	0	0	0	0	0	1.25367E-07	6.26833E-07
68	570350.55,	0	0	0	0	0	0	0	0	0	1.31202E-07	6.56009E-07
69	570390.55,	0	0	0	0	0	0	0	0	0	1.35323E-07	6.76614E-07
70	570430.55,	0	0	0	0	0	0	0	0	0	1.41475E-07	7.07377E-07
71	570470.55,	0	0	0	0	0	0	0	0	0	1.48096E-07	7.4048E-07
72	570510.55,	0	0	0	0	0	0	0	0	0	1.57272E-07	7.86361E-07
73	570550.55,	0	0	0	0	0	0	0	0	0	1.688E-07	8.44002E-07
74	570590.55,	0	0	0	0	0	0	0	0	0	1.76053E-07	8.80267E-07
75	570630.55,	0	0	0	0	0	0	0	0	0	1.77103E-07	8.85516E-07
76	570670.55,	0	0	0	0	0	0	0	0	0	1.92851E-07	9.64253E-07
77	570710.55,	0	0	0	0	0	0	0	0	0	2.00258E-07	1.00129E-06
78	570750.55,	0	0	0	0	0	0	0	0	0	2.2776E-07	1.1388E-06
79	570790.55,	0	0	0	0	0	0	0	0	0	2.43253E-07	1.21627E-06
80	570830.55,	0	0	0	0	0	0	0	0	0	2.60266E-07	1.30133E-06
81	570870.55,	0	0	0	0	0	0	0	0	0	2.70984E-07	1.35492E-06
82	570910.55,	0	0	0	0	0	0	0	0	0	2.95375E-07	1.47687E-06
83	570950.55,	0	0	0	0	0	0	0	0	0	3.04336E-07	1.52168E-06
84	570990.55,	0	0	0	0	0	0	0	0	0	3.47753E-07	1.73877E-06
85	571030.55,	0	0	0	0	0	0	0	0	0	3.71298E-07	1.85649E-06
86	571070.55,	0	0	0	0	0	0	0	0	0	3.93781E-07	1.96891E-06
87	571110.55,	0	0	0	0	0	0	0	0	0	3.88876E-07	1.94438E-06
88	571150.55,	0	0	0	0	0	0	0	0	0	3.87432E-07	1.93716E-06
89	571190.55,	0	0	0	0	0	0	0	0	0	4.30917E-07	2.15459E-06
90	571230.55,	0	0	0	0	0	0	0	0	0	4.23369E-07	2.11685E-06

91	571270.55,	0	0	0	0	0	0	0	0	0	3.98614E-07	1.99307E-06
92	571310.55,	0	0	0	0	0	0	0	0	0	3.65934E-07	1.82967E-06
93	571350.55,	0	0	0	0	0	0	0	0	0	3.38385E-07	1.69193E-06
94	571390.55,	0	0	0	0	0	0	0	0	0	3.23512E-07	1.61756E-06
95	571430.55,	0	0	0	0	0	0	0	0	0	2.88701E-07	1.4435E-06
96	571470.55,	0	0	0	0	0	0	0	0	0	2.48693E-07	1.24346E-06
97	571510.55,	0	0	0	0	0	0	0	0	0	1.93246E-07	9.6623E-07
98	571550.55,	0	0	0	0	0	0	0	0	0	1.7267E-07	8.6335E-07
99	571590.55,	0	0	0	0	0	0	0	0	0	1.59704E-07	7.98519E-07
100	570310.55,	0	0	0	0	0	0	0	0	0	1.29413E-07	6.47067E-07
101	570350.55,	0	0	0	0	0	0	0	0	0	1.34752E-07	6.7376E-07
102	570390.55,	0	0	0	0	0	0	0	0	0	1.42011E-07	7.10057E-07
103	570430.55,	0	0	0	0	0	0	0	0	0	1.4681E-07	7.3405E-07
104	570470.55,	0	0	0	0	0	0	0	0	0	1.54029E-07	7.70145E-07
105	570510.55,	0	0	0	0	0	0	0	0	0	1.61988E-07	8.09939E-07
106	570550.55,	0	0	0	0	0	0	0	0	0	1.67485E-07	8.37423E-07
107	570590.55,	0	0	0	0	0	0	0	0	0	1.82398E-07	9.11991E-07
108	570630.55,	0	0	0	0	0	0	0	0	0	1.97697E-07	9.88487E-07
109	570670.55,	0	0	0	0	0	0	0	0	0	2.05994E-07	1.02997E-06
110	570710.55,	0	0	0	0	0	0	0	0	0	2.14831E-07	1.07415E-06
111	570750.55,	0	0	0	0	0	0	0	0	0	2.44433E-07	1.22217E-06
112	570790.55,	0	0	0	0	0	0	0	0	0	2.62986E-07	1.31493E-06
113	570830.55,	0	0	0	0	0	0	0	0	0	2.7962E-07	1.3981E-06
114	570870.55,	0	0	0	0	0	0	0	0	0	3.02119E-07	1.5106E-06
115	570910.55,	0	0	0	0	0	0	0	0	0	3.15686E-07	1.57843E-06
116	570950.55,	0	0	0	0	0	0	0	0	0	3.53815E-07	1.76908E-06
117	570990.55,	0	0	0	0	0	0	0	0	0	3.73509E-07	1.86755E-06
118	571030.55,	0	0	0	0	0	0	0	0	0	4.23227E-07	2.11613E-06
119	571070.55,	0	0	0	0	0	0	0	0	0	4.49024E-07	2.24512E-06
120	571110.55,	0	0	0	0	0	0	0	0	0	4.44485E-07	2.22242E-06
121	571150.55,	0	0	0	0	0	0	0	0	0	4.80101E-07	2.40051E-06
122	571190.55,	0	0	0	0	0	0	0	0	0	4.88165E-07	2.44082E-06
123	571230.55,	0	0	0	0	0	0	0	0	0	4.79225E-07	2.39613E-06
124	571270.55,	0	0	0	0	0	0	0	0	0	4.32036E-07	2.16018E-06
125	571310.55,	0	0	0	0	0	0	0	0	0	3.83662E-07	1.91831E-06
126	571350.55,	0	0	0	0	0	0	0	0	0	3.67514E-07	1.83757E-06
127	571390.55,	0	0	0	0	0	0	0	0	0	3.27289E-07	1.63645E-06
128	571430.55,	0	0	0	0	0	0	0	0	0	2.75553E-07	1.37776E-06
129	571470.55,	0	0	0	0	0	0	0	0	0	2.14524E-07	1.07262E-06
130	571510.55,	0	0	0	0	0	0	0	0	0	1.95984E-07	9.79922E-07
131	571550.55,	0	0	0	0	0	0	0	0	0	1.8854E-07	9.427E-07
132	571590.55,	0	0	0	0	0	0	0	0	0	1.83848E-07	9.1924E-07
133	570310.55,	0	0	0	0	0	0	0	0	0	1.38166E-07	6.90829E-07
134	570350.55,	0	0	0	0	0	0	0	0	0	1.42225E-07	7.11123E-07
135	570390.55,	0	0	0	0	0	0	0	0	0	1.45612E-07	7.28062E-07
136	570430.55,	0	0	0	0	0	0	0	0	0	1.54722E-07	7.73609E-07
137	570470.55,	0	0	0	0	0	0	0	0	0	1.6008E-07	8.00402E-07

138	570510.55,	0	0	0	0	0	0	0	0	0	1.69077E-07	8.45386E-07
139	570550.55,	0	0	0	0	0	0	0	0	0	1.7861E-07	8.93048E-07
140	570590.55,	0	0	0	0	0	0	0	0	0	1.83332E-07	9.16659E-07
141	570630.55,	0	0	0	0	0	0	0	0	0	1.96575E-07	9.82875E-07
142	570670.55,	0	0	0	0	0	0	0	0	0	2.1772E-07	1.0886E-06
143	570710.55,	0	0	0	0	0	0	0	0	0	2.38256E-07	1.19128E-06
144	570750.55,	0	0	0	0	0	0	0	0	0	2.5777E-07	1.28885E-06
145	570790.55,	0	0	0	0	0	0	0	0	0	2.92118E-07	1.46059E-06
146	570830.55,	0	0	0	0	0	0	0	0	0	3.04389E-07	1.52195E-06
147	570870.55,	0	0	0	0	0	0	0	0	0	3.31705E-07	1.65852E-06
148	570910.55,	0	0	0	0	0	0	0	0	0	3.60955E-07	1.80477E-06
149	570950.55,	0	0	0	0	0	0	0	0	0	3.88872E-07	1.94436E-06
150	570990.55,	0	0	0	0	0	0	0	0	0	4.2842E-07	2.1421E-06
151	571030.55,	0	0	0	0	0	0	0	0	0	5.00181E-07	2.50091E-06
152	571070.55,	0	0	0	0	0	0	0	0	0	5.40627E-07	2.70314E-06
153	571110.55,	0	0	0	0	0	0	0	0	0	5.32428E-07	2.66214E-06
154	571150.55,	0	0	0	0	0	0	0	0	0	5.79545E-07	2.89773E-06
155	571190.55,	0	0	0	0	0	0	0	0	0	5.64027E-07	2.82014E-06
156	571230.55,	0	0	0	0	0	0	0	0	0	4.96902E-07	2.48451E-06
157	571270.55,	0	0	0	0	0	0	0	0	0	4.48042E-07	2.24021E-06
158	571310.55,	0	0	0	0	0	0	0	0	0	4.24306E-07	2.12153E-06
159	571350.55,	0	0	0	0	0	0	0	0	0	3.77545E-07	1.88773E-06
160	571390.55,	0	0	0	0	0	0	0	0	0	3.08002E-07	1.54001E-06
161	571430.55,	0	0	0	0	0	0	0	0	0	2.53135E-07	1.26567E-06
162	571470.55,	0	0	0	0	0	0	0	0	0	2.29913E-07	1.14956E-06
163	571510.55,	0	0	0	0	0	0	0	0	0	2.24762E-07	1.12381E-06
164	571550.55,	0	0	0	0	0	0	0	0	0	2.11401E-07	1.057E-06
165	571590.55,	0	0	0	0	0	0	0	0	0	2.04373E-07	1.02186E-06
166	570310.55,	0	0	0	0	0	0	0	0	0	1.37991E-07	6.89955E-07
167	570350.55,	0	0	0	0	0	0	0	0	0	1.47894E-07	7.39468E-07
168	570390.55,	0	0	0	0	0	0	0	0	0	1.56664E-07	7.8332E-07
169	570430.55,	0	0	0	0	0	0	0	0	0	1.58917E-07	7.94587E-07
170	570470.55,	0	0	0	0	0	0	0	0	0	1.69771E-07	8.48853E-07
171	570510.55,	0	0	0	0	0	0	0	0	0	1.76909E-07	8.84546E-07
172	570550.55,	0	0	0	0	0	0	0	0	0	1.87653E-07	9.38266E-07
173	570590.55,	0	0	0	0	0	0	0	0	0	1.99032E-07	9.95159E-07
174	570630.55,	0	0	0	0	0	0	0	0	0	2.05692E-07	1.02846E-06
175	570670.55,	0	0	0	0	0	0	0	0	0	2.23863E-07	1.11932E-06
176	570710.55,	0	0	0	0	0	0	0	0	0	2.33384E-07	1.16692E-06
177	570750.55,	0	0	0	0	0	0	0	0	0	2.72431E-07	1.36216E-06
178	570790.55,	0	0	0	0	0	0	0	0	0	3.23124E-07	1.61562E-06
179	570830.55,	0	0	0	0	0	0	0	0	0	3.41589E-07	1.70795E-06
180	570870.55,	0	0	0	0	0	0	0	0	0	3.72497E-07	1.86248E-06
181	570910.55,	0	0	0	0	0	0	0	0	0	4.07719E-07	2.0386E-06
182	570950.55,	0	0	0	0	0	0	0	0	0	4.49564E-07	2.24782E-06
183	570990.55,	0	0	0	0	0	0	0	0	0	5.20276E-07	2.60138E-06
184	571030.55,	0	0	0	0	0	0	0	0	0	5.84394E-07	2.92197E-06

185	571070.55,	0	0	0	0	0	0	0	0	0	6.58289E-07	3.29144E-06
186	571110.55,	0	0	0	0	0	0	0	0	0	7.09855E-07	3.54928E-06
187	571150.55,	0	0	0	0	0	0	0	0	0	7.05838E-07	3.52919E-06
188	571190.55,	0	0	0	0	0	0	0	0	0	6.40914E-07	3.20457E-06
189	571230.55,	0	0	0	0	0	0	0	0	0	5.58746E-07	2.79373E-06
190	571270.55,	0	0	0	0	0	0	0	0	0	5.07088E-07	2.53544E-06
191	571310.55,	0	0	0	0	0	0	0	0	0	4.471E-07	2.2355E-06
192	571350.55,	0	0	0	0	0	0	0	0	0	3.48445E-07	1.74223E-06
193	571390.55,	0	0	0	0	0	0	0	0	0	3.01466E-07	1.50733E-06
194	571430.55,	0	0	0	0	0	0	0	0	0	2.83426E-07	1.41713E-06
195	571470.55,	0	0	0	0	0	0	0	0	0	2.58924E-07	1.29462E-06
196	571510.55,	0	0	0	0	0	0	0	0	0	2.45098E-07	1.22549E-06
197	571550.55,	0	0	0	0	0	0	0	0	0	2.2904E-07	1.1452E-06
198	571590.55,	0	0	0	0	0	0	0	0	0	2.13456E-07	1.06728E-06
199	570310.55,	0	0	0	0	0	0	0	0	0	1.4441E-07	7.2205E-07
200	570350.55,	0	0	0	0	0	0	0	0	0	1.53051E-07	7.65256E-07
201	570390.55,	0	0	0	0	0	0	0	0	0	1.58419E-07	7.92097E-07
202	570430.55,	0	0	0	0	0	0	0	0	0	1.72446E-07	8.62229E-07
203	570470.55,	0	0	0	0	0	0	0	0	0	1.7783E-07	8.8915E-07
204	570510.55,	0	0	0	0	0	0	0	0	0	1.8788E-07	9.39401E-07
205	570550.55,	0	0	0	0	0	0	0	0	0	1.9903E-07	9.95151E-07
206	570590.55,	0	0	0	0	0	0	0	0	0	2.11423E-07	1.05712E-06
207	570630.55,	0	0	0	0	0	0	0	0	0	2.25165E-07	1.12582E-06
208	570670.55,	0	0	0	0	0	0	0	0	0	2.36549E-07	1.18274E-06
209	570710.55,	0	0	0	0	0	0	0	0	0	2.56107E-07	1.28054E-06
210	570750.55,	0	0	0	0	0	0	0	0	0	2.69063E-07	1.34531E-06
211	570790.55,	0	0	0	0	0	0	0	0	0	3.28529E-07	1.64264E-06
212	570830.55,	0	0	0	0	0	0	0	0	0	3.8545E-07	1.92725E-06
213	570870.55,	0	0	0	0	0	0	0	0	0	4.32745E-07	2.16372E-06
214	570910.55,	0	0	0	0	0	0	0	0	0	4.73645E-07	2.36823E-06
215	570950.55,	0	0	0	0	0	0	0	0	0	5.26633E-07	2.63317E-06
216	570990.55,	0	0	0	0	0	0	0	0	0	6.18313E-07	3.09157E-06
217	571030.55,	0	0	0	0	0	0	0	0	0	7.33996E-07	3.66998E-06
218	571070.55,	0	0	0	0	0	0	0	0	0	8.58695E-07	4.29348E-06
219	571110.55,	0	0	0	0	0	0	0	0	0	9.438E-07	4.719E-06
220	571150.55,	0	0	0	0	0	0	0	0	0	8.38877E-07	4.19439E-06
221	571190.55,	0	0	0	0	0	0	0	0	0	7.03645E-07	3.51822E-06
222	571230.55,	0	0	0	0	0	0	0	0	0	6.3335E-07	3.16675E-06
223	571270.55,	0	0	0	0	0	0	0	0	0	5.5099E-07	2.75495E-06
224	571310.55,	0	0	0	0	0	0	0	0	0	4.17296E-07	2.08648E-06
225	571350.55,	0	0	0	0	0	0	0	0	0	3.74425E-07	1.87213E-06
226	571390.55,	0	0	0	0	0	0	0	0	0	3.34389E-07	1.67194E-06
227	571430.55,	0	0	0	0	0	0	0	0	0	3.03079E-07	1.5154E-06
228	571470.55,	0	0	0	0	0	0	0	0	0	2.76808E-07	1.38404E-06
229	571510.55,	0	0	0	0	0	0	0	0	0	2.53116E-07	1.26558E-06
230	571550.55,	0	0	0	0	0	0	0	0	0	2.36927E-07	1.18463E-06
231	571590.55,	0	0	0	0	0	0	0	0	0	2.17931E-07	1.08965E-06

232	570310.55,	0	0	0	0	0	0	0	0	0	1.32302E-07	6.61512E-07
233	570350.55,	0	0	0	0	0	0	0	0	0	1.5242E-07	7.621E-07
234	570390.55,	0	0	0	0	0	0	0	0	0	1.68143E-07	8.40717E-07
235	570430.55,	0	0	0	0	0	0	0	0	0	1.77898E-07	8.89492E-07
236	570470.55,	0	0	0	0	0	0	0	0	0	1.88632E-07	9.4316E-07
237	570510.55,	0	0	0	0	0	0	0	0	0	2.02913E-07	1.01456E-06
238	570550.55,	0	0	0	0	0	0	0	0	0	2.11068E-07	1.05534E-06
239	570590.55,	0	0	0	0	0	0	0	0	0	2.27409E-07	1.13705E-06
240	570630.55,	0	0	0	0	0	0	0	0	0	2.42779E-07	1.21389E-06
241	570670.55,	0	0	0	0	0	0	0	0	0	2.5926E-07	1.2963E-06
242	570710.55,	0	0	0	0	0	0	0	0	0	2.81067E-07	1.40533E-06
243	570750.55,	0	0	0	0	0	0	0	0	0	2.98017E-07	1.49009E-06
244	570790.55,	0	0	0	0	0	0	0	0	0	3.5496E-07	1.7748E-06
245	570830.55,	0	0	0	0	0	0	0	0	0	4.07681E-07	2.0384E-06
246	570870.55,	0	0	0	0	0	0	0	0	0	4.37122E-07	2.18561E-06
247	570910.55,	0	0	0	0	0	0	0	0	0	5.67136E-07	2.83568E-06
248	570950.55,	0	0	0	0	0	0	0	0	0	6.53122E-07	3.26561E-06
249	570990.55,	0	0	0	0	0	0	0	0	0	7.67515E-07	3.83757E-06
250	571030.55,	0	0	0	0	0	0	0	0	0	1.05151E-06	5.25754E-06
251	571070.55,	0	0	0	0	0	0	0	0	0	1.40498E-06	7.02492E-06
252	571110.55,	0	0	0	0	0	0	0	0	0	1.28395E-06	6.41976E-06
253	571150.55,	0	0	0	0	0	0	0	0	0	1.06851E-06	5.34254E-06
254	571190.55,	0	0	0	0	0	0	0	0	0	8.79133E-07	4.39567E-06
255	571230.55,	0	0	0	0	0	0	0	0	0	7.23753E-07	3.61877E-06
256	571270.55,	0	0	0	0	0	0	0	0	0	5.56559E-07	2.7828E-06
257	571310.55,	0	0	0	0	0	0	0	0	0	4.62773E-07	2.31386E-06
258	571350.55,	0	0	0	0	0	0	0	0	0	3.93201E-07	1.96601E-06
259	571390.55,	0	0	0	0	0	0	0	0	0	3.47416E-07	1.73708E-06
260	571430.55,	0	0	0	0	0	0	0	0	0	3.1234E-07	1.5617E-06
261	571470.55,	0	0	0	0	0	0	0	0	0	2.79184E-07	1.39592E-06
262	571510.55,	0	0	0	0	0	0	0	0	0	2.47165E-07	1.23582E-06
263	571550.55,	0	0	0	0	0	0	0	0	0	2.18043E-07	1.09022E-06
264	571590.55,	0	0	0	0	0	0	0	0	0	1.94251E-07	9.71254E-07
265	570310.55,	0	0	0	0	0	0	0	0	0	1.20434E-07	6.02172E-07
266	570350.55,	0	0	0	0	0	0	0	0	0	1.29404E-07	6.47018E-07
267	570390.55,	0	0	0	0	0	0	0	0	0	1.55157E-07	7.75786E-07
268	570430.55,	0	0	0	0	0	0	0	0	0	1.80985E-07	9.04923E-07
269	570470.55,	0	0	0	0	0	0	0	0	0	2.01492E-07	1.00746E-06
270	570510.55,	0	0	0	0	0	0	0	0	0	2.11459E-07	1.05729E-06
271	570550.55,	0	0	0	0	0	0	0	0	0	2.31594E-07	1.15797E-06
272	570590.55,	0	0	0	0	0	0	0	0	0	2.44393E-07	1.22196E-06
273	570630.55,	0	0	0	0	0	0	0	0	0	2.65999E-07	1.32999E-06
274	570670.55,	0	0	0	0	0	0	0	0	0	2.84964E-07	1.42482E-06
275	570710.55,	0	0	0	0	0	0	0	0	0	3.05979E-07	1.52989E-06
276	570750.55,	0	0	0	0	0	0	0	0	0	3.42896E-07	1.71448E-06
277	570790.55,	0	0	0	0	0	0	0	0	0	3.69788E-07	1.84894E-06
278	570830.55,	0	0	0	0	0	0	0	0	0	4.47759E-07	2.23879E-06

279	570870.55,	0	0	0	0	0	0	0	0	0	4.87705E-07	2.43853E-06
280	570910.55,	0	0	0	0	0	0	0	0	0	5.78738E-07	2.89369E-06
281	570950.55,	0	0	0	0	0	0	0	0	0	7.68294E-07	3.84147E-06
282	570990.55,	0	0	0	0	0	0	0	0	0	1.18234E-06	5.91169E-06
283	571030.55,	0	0	0	0	0	0	0	0	0	1.40873E-06	7.04367E-06
284	571110.55,	0	0	0	0	0	0	0	0	0	2.21018E-06	1.10509E-05
285	571150.55,	0	0	0	0	0	0	0	0	0	1.52664E-06	7.63321E-06
286	571190.55,	0	0	0	0	0	0	0	0	0	1.09753E-06	5.48767E-06
287	571230.55,	0	0	0	0	0	0	0	0	0	7.55638E-07	3.77819E-06
288	571270.55,	0	0	0	0	0	0	0	0	0	5.78927E-07	2.89464E-06
289	571310.55,	0	0	0	0	0	0	0	0	0	4.76588E-07	2.38294E-06
290	571350.55,	0	0	0	0	0	0	0	0	0	3.8957E-07	1.94785E-06
291	571390.55,	0	0	0	0	0	0	0	0	0	3.31717E-07	1.65858E-06
292	571430.55,	0	0	0	0	0	0	0	0	0	2.8484E-07	1.4242E-06
293	571470.55,	0	0	0	0	0	0	0	0	0	2.54876E-07	1.27438E-06
294	571510.55,	0	0	0	0	0	0	0	0	0	2.35234E-07	1.17617E-06
295	571550.55,	0	0	0	0	0	0	0	0	0	2.16862E-07	1.08431E-06
296	571590.55,	0	0	0	0	0	0	0	0	0	1.99801E-07	9.99006E-07
297	570310.55,	0	0	0	0	0	0	0	0	0	1.23899E-07	6.19495E-07
298	570350.55,	0	0	0	0	0	0	0	0	0	1.33375E-07	6.66877E-07
299	570390.55,	0	0	0	0	0	0	0	0	0	1.41603E-07	7.08016E-07
300	570430.55,	0	0	0	0	0	0	0	0	0	1.55656E-07	7.78278E-07
301	570470.55,	0	0	0	0	0	0	0	0	0	1.86733E-07	9.33666E-07
302	570510.55,	0	0	0	0	0	0	0	0	0	2.22054E-07	1.11027E-06
303	570550.55,	0	0	0	0	0	0	0	0	0	2.49744E-07	1.24872E-06
304	570590.55,	0	0	0	0	0	0	0	0	0	2.62778E-07	1.31389E-06
305	570630.55,	0	0	0	0	0	0	0	0	0	2.94077E-07	1.47038E-06
306	570670.55,	0	0	0	0	0	0	0	0	0	3.19583E-07	1.59792E-06
307	570710.55,	0	0	0	0	0	0	0	0	0	3.47429E-07	1.73715E-06
308	570750.55,	0	0	0	0	0	0	0	0	0	3.80787E-07	1.90393E-06
309	570790.55,	0	0	0	0	0	0	0	0	0	4.27569E-07	2.13785E-06
310	570830.55,	0	0	0	0	0	0	0	0	0	5.24397E-07	2.62198E-06
311	570870.55,	0	0	0	0	0	0	0	0	0	6.12325E-07	3.06163E-06
312	570910.55,	0	0	0	0	0	0	0	0	0	6.80916E-07	3.40458E-06
313	570950.55,	0	0	0	0	0	0	0	0	0	9.34898E-07	4.67449E-06
314	571150.55,	0	0	0	0	0	0	0	0	0	3.20969E-06	1.60484E-05
315	571190.55,	0	0	0	0	0	0	0	0	0	1.23731E-06	6.18653E-06
316	571230.55,	0	0	0	0	0	0	0	0	0	7.88729E-07	3.94365E-06
317	571270.55,	0	0	0	0	0	0	0	0	0	5.8145E-07	2.90725E-06
318	571310.55,	0	0	0	0	0	0	0	0	0	4.57019E-07	2.28509E-06
319	571350.55,	0	0	0	0	0	0	0	0	0	3.81551E-07	1.90775E-06
320	571390.55,	0	0	0	0	0	0	0	0	0	3.2593E-07	1.62965E-06
321	571430.55,	0	0	0	0	0	0	0	0	0	2.8322E-07	1.4161E-06
322	571470.55,	0	0	0	0	0	0	0	0	0	2.49649E-07	1.24825E-06
323	571510.55,	0	0	0	0	0	0	0	0	0	2.22127E-07	1.11063E-06
324	571550.55,	0	0	0	0	0	0	0	0	0	1.99283E-07	9.96413E-07
325	571590.55,	0	0	0	0	0	0	0	0	0	1.83953E-07	9.19767E-07

326	570310.55,	0	0	0	0	0	0	0	0	0	1.25455E-07	6.27273E-07
327	570350.55,	0	0	0	0	0	0	0	0	0	1.34217E-07	6.71083E-07
328	570390.55,	0	0	0	0	0	0	0	0	0	1.46504E-07	7.32522E-07
329	570430.55,	0	0	0	0	0	0	0	0	0	1.62613E-07	8.13064E-07
330	570470.55,	0	0	0	0	0	0	0	0	0	1.78378E-07	8.91889E-07
331	570510.55,	0	0	0	0	0	0	0	0	0	1.93447E-07	9.67234E-07
332	570550.55,	0	0	0	0	0	0	0	0	0	2.32523E-07	1.16262E-06
333	570590.55,	0	0	0	0	0	0	0	0	0	2.85987E-07	1.42994E-06
334	570630.55,	0	0	0	0	0	0	0	0	0	3.26169E-07	1.63085E-06
335	570670.55,	0	0	0	0	0	0	0	0	0	3.61343E-07	1.80672E-06
336	570710.55,	0	0	0	0	0	0	0	0	0	3.97373E-07	1.98686E-06
337	570750.55,	0	0	0	0	0	0	0	0	0	4.42604E-07	2.21302E-06
338	570790.55,	0	0	0	0	0	0	0	0	0	5.0769E-07	2.53845E-06
339	570830.55,	0	0	0	0	0	0	0	0	0	5.9769E-07	2.98845E-06
340	570870.55,	0	0	0	0	0	0	0	0	0	7.73314E-07	3.86657E-06
341	570910.55,	0	0	0	0	0	0	0	0	0	8.92895E-07	4.46448E-06
342	571190.55,	0	0	0	0	0	0	0	0	0	1.7047E-06	8.52348E-06
343	571230.55,	0	0	0	0	0	0	0	0	0	8.05424E-07	4.02712E-06
344	571270.55,	0	0	0	0	0	0	0	0	0	5.81573E-07	2.90787E-06
345	571310.55,	0	0	0	0	0	0	0	0	0	4.45081E-07	2.22541E-06
346	571350.55,	0	0	0	0	0	0	0	0	0	3.63618E-07	1.81809E-06
347	571390.55,	0	0	0	0	0	0	0	0	0	3.10515E-07	1.55257E-06
348	571430.55,	0	0	0	0	0	0	0	0	0	2.7593E-07	1.37965E-06
349	571470.55,	0	0	0	0	0	0	0	0	0	2.47993E-07	1.23996E-06
350	571510.55,	0	0	0	0	0	0	0	0	0	2.2492E-07	1.1246E-06
351	571550.55,	0	0	0	0	0	0	0	0	0	2.0552E-07	1.0276E-06
352	571590.55,	0	0	0	0	0	0	0	0	0	1.88779E-07	9.43896E-07
353	570310.55,	0	0	0	0	0	0	0	0	0	1.32731E-07	6.63655E-07
354	570350.55,	0	0	0	0	0	0	0	0	0	1.41889E-07	7.09447E-07
355	570390.55,	0	0	0	0	0	0	0	0	0	1.52142E-07	7.6071E-07
356	570430.55,	0	0	0	0	0	0	0	0	0	1.62638E-07	8.13189E-07
357	570470.55,	0	0	0	0	0	0	0	0	0	1.75345E-07	8.76724E-07
358	570510.55,	0	0	0	0	0	0	0	0	0	1.9695E-07	9.84749E-07
359	570550.55,	0	0	0	0	0	0	0	0	0	2.25558E-07	1.12779E-06
360	570590.55,	0	0	0	0	0	0	0	0	0	2.55173E-07	1.27587E-06
361	570630.55,	0	0	0	0	0	0	0	0	0	3.06413E-07	1.53206E-06
362	570670.55,	0	0	0	0	0	0	0	0	0	3.95722E-07	1.97861E-06
363	570710.55,	0	0	0	0	0	0	0	0	0	4.71224E-07	2.35612E-06
364	570750.55,	0	0	0	0	0	0	0	0	0	5.50031E-07	2.75016E-06
365	570790.55,	0	0	0	0	0	0	0	0	0	6.1926E-07	3.0963E-06
366	570830.55,	0	0	0	0	0	0	0	0	0	8.15607E-07	4.07804E-06
367	570870.55,	0	0	0	0	0	0	0	0	0	1.00973E-06	5.04866E-06
368	571150.55,	0	0	0	0	0	0	0	0	0	2.16534E-06	1.08267E-05
369	571190.55,	0	0	0	0	0	0	0	0	0	1.24639E-06	6.23196E-06
370	571230.55,	0	0	0	0	0	0	0	0	0	7.59959E-07	3.79979E-06
371	571270.55,	0	0	0	0	0	0	0	0	0	6.73889E-07	3.36944E-06
372	571310.55,	0	0	0	0	0	0	0	0	0	5.38848E-07	2.69424E-06

373	571350.55,	0	0	0	0	0	0	0	0	0	4.09492E-07	2.04746E-06
374	571390.55,	0	0	0	0	0	0	0	0	0	3.28399E-07	1.642E-06
375	571430.55,	0	0	0	0	0	0	0	0	0	2.88735E-07	1.44368E-06
376	571470.55,	0	0	0	0	0	0	0	0	0	2.58459E-07	1.29229E-06
377	571510.55,	0	0	0	0	0	0	0	0	0	2.34231E-07	1.17115E-06
378	571550.55,	0	0	0	0	0	0	0	0	0	2.15526E-07	1.07763E-06
379	571590.55,	0	0	0	0	0	0	0	0	0	2.00066E-07	1.00033E-06
380	570310.55,	0	0	0	0	0	0	0	0	0	1.38703E-07	6.93517E-07
381	570350.55,	0	0	0	0	0	0	0	0	0	1.46802E-07	7.34008E-07
382	570390.55,	0	0	0	0	0	0	0	0	0	1.58774E-07	7.9387E-07
383	570430.55,	0	0	0	0	0	0	0	0	0	1.72046E-07	8.6023E-07
384	570470.55,	0	0	0	0	0	0	0	0	0	1.87021E-07	9.35106E-07
385	570510.55,	0	0	0	0	0	0	0	0	0	2.04615E-07	1.02307E-06
386	570550.55,	0	0	0	0	0	0	0	0	0	2.27675E-07	1.13837E-06
387	570590.55,	0	0	0	0	0	0	0	0	0	2.53673E-07	1.26836E-06
388	570630.55,	0	0	0	0	0	0	0	0	0	2.91553E-07	1.45776E-06
389	570670.55,	0	0	0	0	0	0	0	0	0	3.56199E-07	1.781E-06
390	570710.55,	0	0	0	0	0	0	0	0	0	4.57602E-07	2.28801E-06
391	570750.55,	0	0	0	0	0	0	0	0	0	6.32098E-07	3.16049E-06
392	570790.55,	0	0	0	0	0	0	0	0	0	8.71672E-07	4.35836E-06
393	570830.55,	0	0	0	0	0	0	0	0	0	1.21586E-06	6.0793E-06
394	571110.55,	0	0	0	0	0	0	0	0	0	1.30149E-06	6.50743E-06
395	571150.55,	0	0	0	0	0	0	0	0	0	1.14289E-06	5.71444E-06
396	571190.55,	0	0	0	0	0	0	0	0	0	9.74112E-07	4.87056E-06
397	571230.55,	0	0	0	0	0	0	0	0	0	7.72895E-07	3.86448E-06
398	571270.55,	0	0	0	0	0	0	0	0	0	6.32501E-07	3.1625E-06
399	571310.55,	0	0	0	0	0	0	0	0	0	4.33868E-07	2.16934E-06
400	571350.55,	0	0	0	0	0	0	0	0	0	4.26781E-07	2.13391E-06
401	571390.55,	0	0	0	0	0	0	0	0	0	3.86886E-07	1.93443E-06
402	571430.55,	0	0	0	0	0	0	0	0	0	3.35357E-07	1.67678E-06
403	571470.55,	0	0	0	0	0	0	0	0	0	2.8279E-07	1.41395E-06
404	571510.55,	0	0	0	0	0	0	0	0	0	2.37777E-07	1.18889E-06
405	571550.55,	0	0	0	0	0	0	0	0	0	2.07506E-07	1.03753E-06
406	571590.55,	0	0	0	0	0	0	0	0	0	1.92772E-07	9.63858E-07
407	570310.55,	0	0	0	0	0	0	0	0	0	1.4503E-07	7.25151E-07
408	570350.55,	0	0	0	0	0	0	0	0	0	1.55286E-07	7.76431E-07
409	570390.55,	0	0	0	0	0	0	0	0	0	1.67399E-07	8.36997E-07
410	570430.55,	0	0	0	0	0	0	0	0	0	1.81141E-07	9.05705E-07
411	570470.55,	0	0	0	0	0	0	0	0	0	1.97011E-07	9.85056E-07
412	570510.55,	0	0	0	0	0	0	0	0	0	2.17127E-07	1.08563E-06
413	570550.55,	0	0	0	0	0	0	0	0	0	2.41651E-07	1.20826E-06
414	570590.55,	0	0	0	0	0	0	0	0	0	2.71262E-07	1.35631E-06
415	570630.55,	0	0	0	0	0	0	0	0	0	3.10737E-07	1.55369E-06
416	570670.55,	0	0	0	0	0	0	0	0	0	3.6827E-07	1.84135E-06
417	570710.55,	0	0	0	0	0	0	0	0	0	4.48246E-07	2.24123E-06
418	570750.55,	0	0	0	0	0	0	0	0	0	5.78097E-07	2.89049E-06
419	570790.55,	0	0	0	0	0	0	0	0	0	8.77873E-07	4.38936E-06

420	571070.55,	0	0	0	0	0	0	0	0	0	1.00772E-06	5.03861E-06
421	571110.55,	0	0	0	0	0	0	0	0	0	1.0296E-06	5.14802E-06
422	571150.55,	0	0	0	0	0	0	0	0	0	7.69127E-07	3.84563E-06
423	571190.55,	0	0	0	0	0	0	0	0	0	7.1734E-07	3.5867E-06
424	571230.55,	0	0	0	0	0	0	0	0	0	7.01157E-07	3.50579E-06
425	571270.55,	0	0	0	0	0	0	0	0	0	5.54994E-07	2.77497E-06
426	571310.55,	0	0	0	0	0	0	0	0	0	4.89346E-07	2.44673E-06
427	571350.55,	0	0	0	0	0	0	0	0	0	3.9821E-07	1.99105E-06
428	571390.55,	0	0	0	0	0	0	0	0	0	3.05706E-07	1.52853E-06
429	571430.55,	0	0	0	0	0	0	0	0	0	3.06759E-07	1.53379E-06
430	571470.55,	0	0	0	0	0	0	0	0	0	2.97346E-07	1.48673E-06
431	571510.55,	0	0	0	0	0	0	0	0	0	2.71391E-07	1.35696E-06
432	571550.55,	0	0	0	0	0	0	0	0	0	2.44268E-07	1.22134E-06
433	571590.55,	0	0	0	0	0	0	0	0	0	2.15177E-07	1.07589E-06
434	570310.55,	0	0	0	0	0	0	0	0	0	1.46504E-07	7.32521E-07
435	570350.55,	0	0	0	0	0	0	0	0	0	1.57884E-07	7.89422E-07
436	570390.55,	0	0	0	0	0	0	0	0	0	1.6973E-07	8.4865E-07
437	570430.55,	0	0	0	0	0	0	0	0	0	1.82789E-07	9.13943E-07
438	570470.55,	0	0	0	0	0	0	0	0	0	2.00002E-07	1.00001E-06
439	570510.55,	0	0	0	0	0	0	0	0	0	2.22037E-07	1.11018E-06
440	570550.55,	0	0	0	0	0	0	0	0	0	2.48879E-07	1.2444E-06
441	570590.55,	0	0	0	0	0	0	0	0	0	2.80947E-07	1.40474E-06
442	570630.55,	0	0	0	0	0	0	0	0	0	3.22763E-07	1.61382E-06
443	570670.55,	0	0	0	0	0	0	0	0	0	3.8052E-07	1.9026E-06
444	570710.55,	0	0	0	0	0	0	0	0	0	4.65552E-07	2.32776E-06
445	570750.55,	0	0	0	0	0	0	0	0	0	6.16452E-07	3.08226E-06
446	570790.55,	0	0	0	0	0	0	0	0	0	1.04961E-06	5.24807E-06
447	571030.55,	0	0	0	0	0	0	0	0	0	1.21088E-06	6.05442E-06
448	571070.55,	0	0	0	0	0	0	0	0	0	8.91374E-07	4.45687E-06
449	571110.55,	0	0	0	0	0	0	0	0	0	7.63413E-07	3.81706E-06
450	571150.55,	0	0	0	0	0	0	0	0	0	6.80993E-07	3.40497E-06
451	571190.55,	0	0	0	0	0	0	0	0	0	6.00523E-07	3.00261E-06
452	571230.55,	0	0	0	0	0	0	0	0	0	5.14125E-07	2.57063E-06
453	571270.55,	0	0	0	0	0	0	0	0	0	5.42171E-07	2.71085E-06
454	571310.55,	0	0	0	0	0	0	0	0	0	4.38298E-07	2.19149E-06
455	571350.55,	0	0	0	0	0	0	0	0	0	3.83609E-07	1.91805E-06
456	571390.55,	0	0	0	0	0	0	0	0	0	3.56596E-07	1.78298E-06
457	571430.55,	0	0	0	0	0	0	0	0	0	2.80538E-07	1.40269E-06
458	571470.55,	0	0	0	0	0	0	0	0	0	2.35631E-07	1.17816E-06
459	571510.55,	0	0	0	0	0	0	0	0	0	2.36979E-07	1.18489E-06
460	571550.55,	0	0	0	0	0	0	0	0	0	2.37439E-07	1.18719E-06
461	571590.55,	0	0	0	0	0	0	0	0	0	2.25212E-07	1.12606E-06
462	570310.55,	0	0	0	0	0	0	0	0	0	1.51675E-07	7.58373E-07
463	570350.55,	0	0	0	0	0	0	0	0	0	1.60674E-07	8.03368E-07
464	570390.55,	0	0	0	0	0	0	0	0	0	1.7014E-07	8.50698E-07
465	570430.55,	0	0	0	0	0	0	0	0	0	1.83778E-07	9.18888E-07
466	570470.55,	0	0	0	0	0	0	0	0	0	1.99347E-07	9.96733E-07

467	570510.55,	0	0	0	0	0	0	0	0	0	2.21657E-07	1.10829E-06
468	570550.55,	0	0	0	0	0	0	0	0	0	2.50021E-07	1.25011E-06
469	570590.55,	0	0	0	0	0	0	0	0	0	2.80936E-07	1.40468E-06
470	570630.55,	0	0	0	0	0	0	0	0	0	3.25475E-07	1.62738E-06
471	570670.55,	0	0	0	0	0	0	0	0	0	3.91183E-07	1.95591E-06
472	570710.55,	0	0	0	0	0	0	0	0	0	5.04967E-07	2.52484E-06
473	570750.55,	0	0	0	0	0	0	0	0	0	6.90703E-07	3.45351E-06
474	570790.55,	0	0	0	0	0	0	0	0	0	9.28973E-07	4.64486E-06
475	570990.55,	0	0	0	0	0	0	0	0	0	1.8821E-06	9.41052E-06
476	571030.55,	0	0	0	0	0	0	0	0	0	1.16003E-06	5.80017E-06
477	571070.55,	0	0	0	0	0	0	0	0	0	7.79076E-07	3.89538E-06
478	571110.55,	0	0	0	0	0	0	0	0	0	6.1651E-07	3.08255E-06
479	571150.55,	0	0	0	0	0	0	0	0	0	5.55883E-07	2.77941E-06
480	571190.55,	0	0	0	0	0	0	0	0	0	5.00496E-07	2.50248E-06
481	571230.55,	0	0	0	0	0	0	0	0	0	4.67361E-07	2.33681E-06
482	571270.55,	0	0	0	0	0	0	0	0	0	3.78615E-07	1.89308E-06
483	571310.55,	0	0	0	0	0	0	0	0	0	4.40294E-07	2.20147E-06
484	571350.55,	0	0	0	0	0	0	0	0	0	3.63212E-07	1.81606E-06
485	571390.55,	0	0	0	0	0	0	0	0	0	3.22435E-07	1.61217E-06
486	571430.55,	0	0	0	0	0	0	0	0	0	3.14219E-07	1.57109E-06
487	571470.55,	0	0	0	0	0	0	0	0	0	2.70089E-07	1.35044E-06
488	571510.55,	0	0	0	0	0	0	0	0	0	2.14528E-07	1.07264E-06
489	571550.55,	0	0	0	0	0	0	0	0	0	1.95775E-07	9.78873E-07
490	571590.55,	0	0	0	0	0	0	0	0	0	1.93036E-07	9.65181E-07
491	570310.55,	0	0	0	0	0	0	0	0	0	1.52532E-07	7.6266E-07
492	570350.55,	0	0	0	0	0	0	0	0	0	1.59804E-07	7.99018E-07
493	570390.55,	0	0	0	0	0	0	0	0	0	1.6865E-07	8.43251E-07
494	570430.55,	0	0	0	0	0	0	0	0	0	1.80386E-07	9.01931E-07
495	570470.55,	0	0	0	0	0	0	0	0	0	1.97486E-07	9.87429E-07
496	570510.55,	0	0	0	0	0	0	0	0	0	2.2226E-07	1.1113E-06
497	570550.55,	0	0	0	0	0	0	0	0	0	2.60363E-07	1.30182E-06
498	570590.55,	0	0	0	0	0	0	0	0	0	2.98203E-07	1.49101E-06
499	570630.55,	0	0	0	0	0	0	0	0	0	3.46561E-07	1.73281E-06
500	570670.55,	0	0	0	0	0	0	0	0	0	4.43787E-07	2.21893E-06
501	570710.55,	0	0	0	0	0	0	0	0	0	5.38091E-07	2.69045E-06
502	570750.55,	0	0	0	0	0	0	0	0	0	6.72449E-07	3.36225E-06
503	570790.55,	0	0	0	0	0	0	0	0	0	8.7952E-07	4.3976E-06
504	570830.55,	0	0	0	0	0	0	0	0	0	1.00151E-06	5.00755E-06
505	570950.55,	0	0	0	0	0	0	0	0	0	1.78039E-06	8.90196E-06
506	570990.55,	0	0	0	0	0	0	0	0	0	1.38647E-06	6.93237E-06
507	571030.55,	0	0	0	0	0	0	0	0	0	9.86476E-07	4.93238E-06
508	571070.55,	0	0	0	0	0	0	0	0	0	6.0864E-07	3.0432E-06
509	571110.55,	0	0	0	0	0	0	0	0	0	5.89403E-07	2.94701E-06
510	571150.55,	0	0	0	0	0	0	0	0	0	5.24523E-07	2.62261E-06
511	571190.55,	0	0	0	0	0	0	0	0	0	4.14663E-07	2.07331E-06
512	571230.55,	0	0	0	0	0	0	0	0	0	4.29485E-07	2.14743E-06
513	571270.55,	0	0	0	0	0	0	0	0	0	3.83331E-07	1.91665E-06

514	571310.55,	0	0	0	0	0	0	0	0	0	3.13575E-07	1.56787E-06
515	571350.55,	0	0	0	0	0	0	0	0	0	3.70013E-07	1.85006E-06
516	571390.55,	0	0	0	0	0	0	0	0	0	3.08945E-07	1.54472E-06
517	571430.55,	0	0	0	0	0	0	0	0	0	2.74244E-07	1.37122E-06
518	571470.55,	0	0	0	0	0	0	0	0	0	2.72363E-07	1.36181E-06
519	571510.55,	0	0	0	0	0	0	0	0	0	2.5353E-07	1.26765E-06
520	571550.55,	0	0	0	0	0	0	0	0	0	2.12931E-07	1.06466E-06
521	571590.55,	0	0	0	0	0	0	0	0	0	1.75464E-07	8.77318E-07
522	570310.55,	0	0	0	0	0	0	0	0	0	1.50911E-07	7.54553E-07
523	570350.55,	0	0	0	0	0	0	0	0	0	1.61654E-07	8.08269E-07
524	570390.55,	0	0	0	0	0	0	0	0	0	1.73153E-07	8.65765E-07
525	570430.55,	0	0	0	0	0	0	0	0	0	1.91082E-07	9.5541E-07
526	570470.55,	0	0	0	0	0	0	0	0	0	2.105E-07	1.0525E-06
527	570510.55,	0	0	0	0	0	0	0	0	0	2.37832E-07	1.18916E-06
528	570550.55,	0	0	0	0	0	0	0	0	0	2.75548E-07	1.37774E-06
529	570590.55,	0	0	0	0	0	0	0	0	0	3.25256E-07	1.62628E-06
530	570630.55,	0	0	0	0	0	0	0	0	0	3.85672E-07	1.92836E-06
531	570670.55,	0	0	0	0	0	0	0	0	0	4.62367E-07	2.31183E-06
532	570710.55,	0	0	0	0	0	0	0	0	0	5.3221E-07	2.66105E-06
533	570750.55,	0	0	0	0	0	0	0	0	0	6.23895E-07	3.11947E-06
534	570790.55,	0	0	0	0	0	0	0	0	0	6.93596E-07	3.46798E-06
535	570830.55,	0	0	0	0	0	0	0	0	0	8.20231E-07	4.10115E-06
536	570870.55,	0	0	0	0	0	0	0	0	0	1.12571E-06	5.62854E-06
537	570910.55,	0	0	0	0	0	0	0	0	0	1.38175E-06	6.90875E-06
538	570950.55,	0	0	0	0	0	0	0	0	0	1.08031E-06	5.40157E-06
539	570990.55,	0	0	0	0	0	0	0	0	0	8.92973E-07	4.46486E-06
540	571030.55,	0	0	0	0	0	0	0	0	0	8.33839E-07	4.1692E-06
541	571070.55,	0	0	0	0	0	0	0	0	0	6.3643E-07	3.18215E-06
542	571110.55,	0	0	0	0	0	0	0	0	0	5.22655E-07	2.61328E-06
543	571150.55,	0	0	0	0	0	0	0	0	0	4.47354E-07	2.23677E-06
544	571190.55,	0	0	0	0	0	0	0	0	0	3.90329E-07	1.95165E-06
545	571230.55,	0	0	0	0	0	0	0	0	0	3.67369E-07	1.83684E-06
546	571270.55,	0	0	0	0	0	0	0	0	0	3.53034E-07	1.76517E-06
547	571310.55,	0	0	0	0	0	0	0	0	0	3.09177E-07	1.54588E-06
548	571350.55,	0	0	0	0	0	0	0	0	0	2.86351E-07	1.43176E-06
549	571390.55,	0	0	0	0	0	0	0	0	0	3.19265E-07	1.59632E-06
550	571430.55,	0	0	0	0	0	0	0	0	0	2.68812E-07	1.34406E-06
551	571470.55,	0	0	0	0	0	0	0	0	0	2.41966E-07	1.20983E-06
552	571510.55,	0	0	0	0	0	0	0	0	0	2.34056E-07	1.17028E-06
553	571550.55,	0	0	0	0	0	0	0	0	0	2.31939E-07	1.1597E-06
554	571590.55,	0	0	0	0	0	0	0	0	0	2.06634E-07	1.03317E-06
555	570310.55,	0	0	0	0	0	0	0	0	0	1.55083E-07	7.75417E-07
556	570350.55,	0	0	0	0	0	0	0	0	0	1.69726E-07	8.48632E-07
557	570390.55,	0	0	0	0	0	0	0	0	0	1.8473E-07	9.2365E-07
558	570430.55,	0	0	0	0	0	0	0	0	0	2.00446E-07	1.00223E-06
559	570470.55,	0	0	0	0	0	0	0	0	0	2.23817E-07	1.11909E-06
560	570510.55,	0	0	0	0	0	0	0	0	0	2.48752E-07	1.24376E-06

561	570550.55,	0	0	0	0	0	0	0	0	0	2.97672E-07	1.48836E-06
562	570590.55,	0	0	0	0	0	0	0	0	0	3.50824E-07	1.75412E-06
563	570630.55,	0	0	0	0	0	0	0	0	0	4.00909E-07	2.00455E-06
564	570670.55,	0	0	0	0	0	0	0	0	0	4.47715E-07	2.23858E-06
565	570710.55,	0	0	0	0	0	0	0	0	0	4.99761E-07	2.4988E-06
566	570750.55,	0	0	0	0	0	0	0	0	0	5.45303E-07	2.72652E-06
567	570790.55,	0	0	0	0	0	0	0	0	0	5.97021E-07	2.9851E-06
568	570830.55,	0	0	0	0	0	0	0	0	0	6.77672E-07	3.38836E-06
569	570870.55,	0	0	0	0	0	0	0	0	0	9.14926E-07	4.57463E-06
570	570910.55,	0	0	0	0	0	0	0	0	0	9.04929E-07	4.52465E-06
571	570950.55,	0	0	0	0	0	0	0	0	0	7.20336E-07	3.60168E-06
572	570990.55,	0	0	0	0	0	0	0	0	0	7.01442E-07	3.50721E-06
573	571030.55,	0	0	0	0	0	0	0	0	0	5.40525E-07	2.70262E-06
574	571070.55,	0	0	0	0	0	0	0	0	0	5.92878E-07	2.96439E-06
575	571110.55,	0	0	0	0	0	0	0	0	0	4.73891E-07	2.36945E-06
576	571150.55,	0	0	0	0	0	0	0	0	0	4.52318E-07	2.26159E-06
577	571190.55,	0	0	0	0	0	0	0	0	0	3.4971E-07	1.74855E-06
578	571230.55,	0	0	0	0	0	0	0	0	0	3.10772E-07	1.55386E-06
579	571270.55,	0	0	0	0	0	0	0	0	0	3.17352E-07	1.58676E-06
580	571310.55,	0	0	0	0	0	0	0	0	0	3.04162E-07	1.52081E-06
581	571350.55,	0	0	0	0	0	0	0	0	0	2.74921E-07	1.37461E-06
582	571390.55,	0	0	0	0	0	0	0	0	0	2.62387E-07	1.31193E-06
583	571430.55,	0	0	0	0	0	0	0	0	0	2.8084E-07	1.4042E-06
584	571470.55,	0	0	0	0	0	0	0	0	0	2.38283E-07	1.19141E-06
585	571510.55,	0	0	0	0	0	0	0	0	0	2.16604E-07	1.08302E-06
586	571550.55,	0	0	0	0	0	0	0	0	0	2.08505E-07	1.04252E-06
587	571590.55,	0	0	0	0	0	0	0	0	0	2.08756E-07	1.04378E-06
588	570310.55,	0	0	0	0	0	0	0	0	0	1.63411E-07	8.17053E-07
589	570350.55,	0	0	0	0	0	0	0	0	0	1.75644E-07	8.78222E-07
590	570390.55,	0	0	0	0	0	0	0	0	0	1.9088E-07	9.544E-07
591	570430.55,	0	0	0	0	0	0	0	0	0	2.04739E-07	1.02369E-06
592	570470.55,	0	0	0	0	0	0	0	0	0	2.37328E-07	1.18664E-06
593	570510.55,	0	0	0	0	0	0	0	0	0	2.81851E-07	1.40925E-06
594	570550.55,	0	0	0	0	0	0	0	0	0	3.14572E-07	1.57286E-06
595	570590.55,	0	0	0	0	0	0	0	0	0	3.45941E-07	1.72971E-06
596	570630.55,	0	0	0	0	0	0	0	0	0	3.86106E-07	1.93053E-06
597	570670.55,	0	0	0	0	0	0	0	0	0	4.18995E-07	2.09497E-06
598	570710.55,	0	0	0	0	0	0	0	0	0	4.48745E-07	2.24372E-06
599	570750.55,	0	0	0	0	0	0	0	0	0	4.87867E-07	2.43933E-06
600	570790.55,	0	0	0	0	0	0	0	0	0	5.07552E-07	2.53776E-06
601	570830.55,	0	0	0	0	0	0	0	0	0	5.69257E-07	2.84629E-06
602	570870.55,	0	0	0	0	0	0	0	0	0	7.61573E-07	3.80786E-06
603	570910.55,	0	0	0	0	0	0	0	0	0	7.08387E-07	3.54193E-06
604	570950.55,	0	0	0	0	0	0	0	0	0	6.17871E-07	3.08935E-06
605	570990.55,	0	0	0	0	0	0	0	0	0	5.66051E-07	2.83025E-06
606	571030.55,	0	0	0	0	0	0	0	0	0	5.28068E-07	2.64034E-06
607	571070.55,	0	0	0	0	0	0	0	0	0	4.44291E-07	2.22145E-06

608	571110.55,	0	0	0	0	0	0	0	0	0	4.65308E-07	2.32654E-06
609	571150.55,	0	0	0	0	0	0	0	0	0	3.83004E-07	1.91502E-06
610	571190.55,	0	0	0	0	0	0	0	0	0	3.78726E-07	1.89363E-06
611	571230.55,	0	0	0	0	0	0	0	0	0	3.23144E-07	1.61572E-06
612	571270.55,	0	0	0	0	0	0	0	0	0	2.82361E-07	1.41181E-06
613	571310.55,	0	0	0	0	0	0	0	0	0	2.75328E-07	1.37664E-06
614	571350.55,	0	0	0	0	0	0	0	0	0	2.60163E-07	1.30082E-06
615	571390.55,	0	0	0	0	0	0	0	0	0	2.35255E-07	1.17628E-06
616	571430.55,	0	0	0	0	0	0	0	0	0	2.41163E-07	1.20582E-06
617	571470.55,	0	0	0	0	0	0	0	0	0	2.50752E-07	1.25376E-06
618	571510.55,	0	0	0	0	0	0	0	0	0	2.14317E-07	1.07158E-06
619	571550.55,	0	0	0	0	0	0	0	0	0	1.96873E-07	9.84365E-07
620	571590.55,	0	0	0	0	0	0	0	0	0	1.86528E-07	9.3264E-07
621	570310.55,	0	0	0	0	0	0	0	0	0	1.63784E-07	8.18918E-07
622	570350.55,	0	0	0	0	0	0	0	0	0	1.74612E-07	8.73061E-07
623	570390.55,	0	0	0	0	0	0	0	0	0	1.94617E-07	9.73086E-07
624	570430.55,	0	0	0	0	0	0	0	0	0	2.30937E-07	1.15468E-06
625	570470.55,	0	0	0	0	0	0	0	0	0	2.61272E-07	1.30636E-06
626	570510.55,	0	0	0	0	0	0	0	0	0	2.80056E-07	1.40028E-06
627	570550.55,	0	0	0	0	0	0	0	0	0	3.10575E-07	1.55287E-06
628	570590.55,	0	0	0	0	0	0	0	0	0	3.35945E-07	1.67973E-06
629	570630.55,	0	0	0	0	0	0	0	0	0	3.61851E-07	1.80925E-06
630	570670.55,	0	0	0	0	0	0	0	0	0	3.81116E-07	1.90558E-06
631	570710.55,	0	0	0	0	0	0	0	0	0	4.10834E-07	2.05417E-06
632	570750.55,	0	0	0	0	0	0	0	0	0	4.16097E-07	2.08049E-06
633	570790.55,	0	0	0	0	0	0	0	0	0	4.5388E-07	2.2694E-06
634	570830.55,	0	0	0	0	0	0	0	0	0	4.77632E-07	2.38816E-06
635	570870.55,	0	0	0	0	0	0	0	0	0	6.41691E-07	3.20845E-06
636	570910.55,	0	0	0	0	0	0	0	0	0	5.88306E-07	2.94153E-06
637	570950.55,	0	0	0	0	0	0	0	0	0	5.43592E-07	2.71796E-06
638	570990.55,	0	0	0	0	0	0	0	0	0	4.71805E-07	2.35902E-06
639	571030.55,	0	0	0	0	0	0	0	0	0	4.59469E-07	2.29734E-06
640	571070.55,	0	0	0	0	0	0	0	0	0	3.89887E-07	1.94944E-06
641	571110.55,	0	0	0	0	0	0	0	0	0	3.87181E-07	1.9359E-06
642	571150.55,	0	0	0	0	0	0	0	0	0	3.81432E-07	1.90716E-06
643	571190.55,	0	0	0	0	0	0	0	0	0	3.28022E-07	1.64011E-06
644	571230.55,	0	0	0	0	0	0	0	0	0	3.13566E-07	1.56783E-06
645	571270.55,	0	0	0	0	0	0	0	0	0	2.91546E-07	1.45773E-06
646	571310.55,	0	0	0	0	0	0	0	0	0	2.57404E-07	1.28702E-06
647	571350.55,	0	0	0	0	0	0	0	0	0	2.45495E-07	1.22748E-06
648	571390.55,	0	0	0	0	0	0	0	0	0	2.19742E-07	1.09871E-06
649	571430.55,	0	0	0	0	0	0	0	0	0	1.94345E-07	9.71724E-07
650	571470.55,	0	0	0	0	0	0	0	0	0	2.22502E-07	1.11251E-06
651	571510.55,	0	0	0	0	0	0	0	0	0	2.26471E-07	1.13235E-06
652	571550.55,	0	0	0	0	0	0	0	0	0	1.95046E-07	9.75232E-07
653	571590.55,	0	0	0	0	0	0	0	0	0	1.8026E-07	9.01299E-07
654	570310.55,	0	0	0	0	0	0	0	0	0	1.62627E-07	8.13134E-07

655	570350.55,	0	0	0	0	0	0	0	0	0	1.92595E-07	9.62977E-07
656	570390.55,	0	0	0	0	0	0	0	0	0	2.19464E-07	1.09732E-06
657	570430.55,	0	0	0	0	0	0	0	0	0	2.37584E-07	1.18792E-06
658	570470.55,	0	0	0	0	0	0	0	0	0	2.52005E-07	1.26003E-06
659	570510.55,	0	0	0	0	0	0	0	0	0	2.79301E-07	1.39651E-06
660	570550.55,	0	0	0	0	0	0	0	0	0	2.94442E-07	1.47221E-06
661	570590.55,	0	0	0	0	0	0	0	0	0	3.16895E-07	1.58447E-06
662	570630.55,	0	0	0	0	0	0	0	0	0	3.30531E-07	1.65265E-06
663	570670.55,	0	0	0	0	0	0	0	0	0	3.54705E-07	1.77352E-06
664	570710.55,	0	0	0	0	0	0	0	0	0	3.52644E-07	1.76322E-06
665	570750.55,	0	0	0	0	0	0	0	0	0	3.80848E-07	1.90424E-06
666	570790.55,	0	0	0	0	0	0	0	0	0	3.98321E-07	1.9916E-06
667	570830.55,	0	0	0	0	0	0	0	0	0	4.55204E-07	2.27602E-06
668	570870.55,	0	0	0	0	0	0	0	0	0	5.47955E-07	2.73977E-06
669	570910.55,	0	0	0	0	0	0	0	0	0	5.01452E-07	2.50726E-06
670	570950.55,	0	0	0	0	0	0	0	0	0	4.80368E-07	2.40184E-06
671	570990.55,	0	0	0	0	0	0	0	0	0	3.99346E-07	1.99673E-06
672	571030.55,	0	0	0	0	0	0	0	0	0	4.07462E-07	2.03731E-06
673	571070.55,	0	0	0	0	0	0	0	0	0	3.76221E-07	1.88111E-06
674	571110.55,	0	0	0	0	0	0	0	0	0	3.06488E-07	1.53244E-06
675	571150.55,	0	0	0	0	0	0	0	0	0	3.40444E-07	1.70222E-06
676	571190.55,	0	0	0	0	0	0	0	0	0	3.26591E-07	1.63296E-06
677	571230.55,	0	0	0	0	0	0	0	0	0	2.85949E-07	1.42974E-06
678	571270.55,	0	0	0	0	0	0	0	0	0	2.67475E-07	1.33738E-06
679	571310.55,	0	0	0	0	0	0	0	0	0	2.61268E-07	1.30634E-06
680	571350.55,	0	0	0	0	0	0	0	0	0	2.32122E-07	1.16061E-06
681	571390.55,	0	0	0	0	0	0	0	0	0	2.20907E-07	1.10453E-06
682	571430.55,	0	0	0	0	0	0	0	0	0	1.86359E-07	9.31794E-07
683	571470.55,	0	0	0	0	0	0	0	0	0	1.80778E-07	9.03891E-07
684	571510.55,	0	0	0	0	0	0	0	0	0	2.06078E-07	1.03039E-06
685	571550.55,	0	0	0	0	0	0	0	0	0	2.06492E-07	1.03246E-06
686	571590.55,	0	0	0	0	0	0	0	0	0	1.79128E-07	8.95638E-07
687	570310.55,	0	0	0	0	0	0	0	0	0	1.86543E-07	9.32713E-07
688	570350.55,	0	0	0	0	0	0	0	0	0	2.04528E-07	1.02264E-06
689	570390.55,	0	0	0	0	0	0	0	0	0	2.1293E-07	1.06465E-06
690	570430.55,	0	0	0	0	0	0	0	0	0	2.33679E-07	1.1684E-06
691	570470.55,	0	0	0	0	0	0	0	0	0	2.51825E-07	1.25913E-06
692	570510.55,	0	0	0	0	0	0	0	0	0	2.62147E-07	1.31073E-06
693	570550.55,	0	0	0	0	0	0	0	0	0	2.80464E-07	1.40232E-06
694	570590.55,	0	0	0	0	0	0	0	0	0	2.90579E-07	1.45289E-06
695	570630.55,	0	0	0	0	0	0	0	0	0	3.12035E-07	1.56018E-06
696	570670.55,	0	0	0	0	0	0	0	0	0	3.08478E-07	1.54239E-06
697	570710.55,	0	0	0	0	0	0	0	0	0	3.28529E-07	1.64265E-06
698	570750.55,	0	0	0	0	0	0	0	0	0	3.38814E-07	1.69407E-06
699	570790.55,	0	0	0	0	0	0	0	0	0	3.46387E-07	1.73194E-06
700	570830.55,	0	0	0	0	0	0	0	0	0	4.29946E-07	2.14973E-06
701	570870.55,	0	0	0	0	0	0	0	0	0	4.78494E-07	2.39247E-06

702	570910.55,	0	0	0	0	0	0	0	0	0	4.37984E-07	2.18992E-06
703	570950.55,	0	0	0	0	0	0	0	0	0	4.2464E-07	2.1232E-06
704	570990.55,	0	0	0	0	0	0	0	0	0	3.35018E-07	1.67509E-06
705	571030.55,	0	0	0	0	0	0	0	0	0	3.47778E-07	1.73889E-06
706	571070.55,	0	0	0	0	0	0	0	0	0	3.43914E-07	1.71957E-06
707	571110.55,	0	0	0	0	0	0	0	0	0	3.10429E-07	1.55215E-06
708	571150.55,	0	0	0	0	0	0	0	0	0	2.69621E-07	1.3481E-06
709	571190.55,	0	0	0	0	0	0	0	0	0	3.02642E-07	1.51321E-06
710	571230.55,	0	0	0	0	0	0	0	0	0	2.86581E-07	1.43291E-06
711	571270.55,	0	0	0	0	0	0	0	0	0	2.49679E-07	1.2484E-06
712	571310.55,	0	0	0	0	0	0	0	0	0	2.35231E-07	1.17616E-06
713	571350.55,	0	0	0	0	0	0	0	0	0	2.32486E-07	1.16243E-06
714	571390.55,	0	0	0	0	0	0	0	0	0	2.18516E-07	1.09258E-06
715	571430.55,	0	0	0	0	0	0	0	0	0	1.94517E-07	9.72584E-07
716	571470.55,	0	0	0	0	0	0	0	0	0	1.62725E-07	8.13625E-07
717	571510.55,	0	0	0	0	0	0	0	0	0	1.71787E-07	8.58937E-07
718	571550.55,	0	0	0	0	0	0	0	0	0	1.91653E-07	9.58263E-07
719	571590.55,	0	0	0	0	0	0	0	0	0	1.89746E-07	9.48732E-07
720	570310.55,	0	0	0	0	0	0	0	0	0	1.87574E-07	9.3787E-07
721	570350.55,	0	0	0	0	0	0	0	0	0	1.95858E-07	9.79291E-07
722	570390.55,	0	0	0	0	0	0	0	0	0	2.15802E-07	1.07901E-06
723	570430.55,	0	0	0	0	0	0	0	0	0	2.27532E-07	1.13766E-06
724	570470.55,	0	0	0	0	0	0	0	0	0	2.37408E-07	1.18704E-06
725	570510.55,	0	0	0	0	0	0	0	0	0	2.505E-07	1.2525E-06
726	570550.55,	0	0	0	0	0	0	0	0	0	2.58485E-07	1.29243E-06
727	570590.55,	0	0	0	0	0	0	0	0	0	2.77626E-07	1.38813E-06
728	570630.55,	0	0	0	0	0	0	0	0	0	2.77109E-07	1.38554E-06
729	570670.55,	0	0	0	0	0	0	0	0	0	2.80956E-07	1.40478E-06
730	570710.55,	0	0	0	0	0	0	0	0	0	3.00862E-07	1.50431E-06
731	570750.55,	0	0	0	0	0	0	0	0	0	3.07477E-07	1.53739E-06
732	570790.55,	0	0	0	0	0	0	0	0	0	3.12001E-07	1.56001E-06
733	570830.55,	0	0	0	0	0	0	0	0	0	3.95902E-07	1.97951E-06
734	570870.55,	0	0	0	0	0	0	0	0	0	4.23319E-07	2.1166E-06
735	570910.55,	0	0	0	0	0	0	0	0	0	3.87269E-07	1.93634E-06
736	570950.55,	0	0	0	0	0	0	0	0	0	3.84317E-07	1.92158E-06
737	570990.55,	0	0	0	0	0	0	0	0	0	3.1462E-07	1.5731E-06
738	571030.55,	0	0	0	0	0	0	0	0	0	3.10068E-07	1.55034E-06
739	571070.55,	0	0	0	0	0	0	0	0	0	3.13865E-07	1.56933E-06
740	571110.55,	0	0	0	0	0	0	0	0	0	2.94578E-07	1.47289E-06
741	571150.55,	0	0	0	0	0	0	0	0	0	2.52682E-07	1.26341E-06
742	571190.55,	0	0	0	0	0	0	0	0	0	2.53779E-07	1.2689E-06
743	571230.55,	0	0	0	0	0	0	0	0	0	2.72715E-07	1.36357E-06
744	571270.55,	0	0	0	0	0	0	0	0	0	2.53518E-07	1.26759E-06
745	571310.55,	0	0	0	0	0	0	0	0	0	2.16363E-07	1.08182E-06
746	571350.55,	0	0	0	0	0	0	0	0	0	2.09985E-07	1.04992E-06
747	571390.55,	0	0	0	0	0	0	0	0	0	2.06581E-07	1.03291E-06
748	571430.55,	0	0	0	0	0	0	0	0	0	2.02934E-07	1.01467E-06

749	571470.55,	0	0	0	0	0	0	0	0	0	1.84537E-07	9.22687E-07
750	571510.55,	0	0	0	0	0	0	0	0	0	1.60897E-07	8.04483E-07
751	571550.55,	0	0	0	0	0	0	0	0	0	1.63413E-07	8.17067E-07
752	571590.55,	0	0	0	0	0	0	0	0	0	1.7901E-07	8.95051E-07
753	570839.17,	0	0	0	0	0	0	0	0	0	1.78391E-06	8.91953E-06
754	570839.17,	0	0	0	0	0	0	0	0	0	2.18539E-06	1.0927E-05
755	570879.17,	0	0	0	0	0	0	0	0	0	1.73135E-06	8.65674E-06
756	570879.17,	0	0	0	0	0	0	0	0	0	3.36034E-06	1.68017E-05
757	570879.17,	0	0	0	0	0	0	0	0	0	2.78091E-06	1.39045E-05
758	570879.17,	0	0	0	0	0	0	0	0	0	2.74368E-06	1.37184E-05
759	570879.17,	0	0	0	0	0	0	0	0	0	1.36064E-06	6.80322E-06
760	570919.17,	0	0	0	0	0	0	0	0	0	1.17617E-06	5.88087E-06
761	570919.17,	0	0	0	0	0	0	0	0	0	1.70856E-06	8.54282E-06
762	570919.17,	0	0	0	0	0	0	0	0	0	3.64257E-06	1.82129E-05
763	570919.17,	0	0	0	0	0	0	0	0	0	1.42814E-05	7.14071E-05
764	570919.17,	0	0	0	0	0	0	0	0	0	2.70221E-06	1.3511E-05
765	570919.17,	0	0	0	0	0	0	0	0	0	2.80488E-06	1.40244E-05
766	570959.17,	0	0	0	0	0	0	0	0	0	1.09921E-06	5.49606E-06
767	570959.17,	0	0	0	0	0	0	0	0	0	1.218E-06	6.08999E-06
768	570959.17,	0	0	0	0	0	0	0	0	0	1.55741E-06	7.78706E-06
769	570959.17,	0	0	0	0	0	0	0	0	0	1.94922E-06	9.7461E-06
770	570959.17,	0	0	0	0	0	0	0	0	0	2.34029E-06	1.17015E-05
771	570959.17,	0	0	0	0	0	0	0	0	0	3.07701E-06	1.5385E-05
772	570999.17,	0	0	0	0	0	0	0	0	0	1.18335E-06	5.91673E-06
773	570999.17,	0	0	0	0	0	0	0	0	0	1.23086E-06	6.15432E-06
774	570999.17,	0	0	0	0	0	0	0	0	0	1.15708E-06	5.7854E-06
775	570999.17,	0	0	0	0	0	0	0	0	0	1.2183E-06	6.09151E-06
776	570999.17,	0	0	0	0	0	0	0	0	0	1.32319E-06	6.61596E-06
777	570999.17,	0	0	0	0	0	0	0	0	0	1.44218E-06	7.21088E-06
778	571039.17,	0	0	0	0	0	0	0	0	0	1.62884E-06	8.14422E-06
779	571039.17,	0	0	0	0	0	0	0	0	0	1.72671E-06	8.63355E-06
780	571039.17,	0	0	0	0	0	0	0	0	0	1.47827E-06	7.39136E-06
781	571039.17,	0	0	0	0	0	0	0	0	0	1.27988E-06	6.39938E-06
782	571039.17,	0	0	0	0	0	0	0	0	0	1.08312E-06	5.41562E-06
783	571039.17,	0	0	0	0	0	0	0	0	0	1.08579E-06	5.42895E-06
784	571079.17,	0	0	0	0	0	0	0	0	0	1.7983E-06	8.9915E-06
785	571079.17,	0	0	0	0	0	0	0	0	0	2.8599E-06	1.42995E-05
786	571079.17,	0	0	0	0	0	0	0	0	0	2.25708E-06	1.12854E-05
787	571079.17,	0	0	0	0	0	0	0	0	0	1.50726E-06	7.53632E-06
788	571079.17,	0	0	0	0	0	0	0	0	0	1.05969E-06	5.29846E-06
789	571119.17,	0	0	0	0	0	0	0	0	0	7.86194E-06	3.93097E-05
790	571119.17,	0	0	0	0	0	0	0	0	0	5.02629E-06	2.51314E-05
791	571119.17,	0	0	0	0	0	0	0	0	0	1.69487E-06	8.47433E-06
792	571159.17,	0	0	0	0	0	0	0	0	0	3.36638E-06	1.68319E-05
793	570808.82,	0	0	0	0	0	0	0	0	0	1.38279E-06	6.91397E-06
794	570823.91,	0	0	0	0	0	0	0	0	0	1.16191E-06	5.80957E-06
795	570883.31,	0	0	0	0	0	0	0	0	0	1.3853E-06	6.9265E-06

796	571181.45,	0	0	0	0	0	0	0	0	0	2.26467E-06	1.13234E-05
797	571067.83,	0	0	0	0	0	0	0	0	0	1.55292E-06	7.76459E-06
798	570799.89,	0	0	0	0	0	0	0	0	0	1.01027E-06	5.05134E-06

		Unmitigated 8hr Hazard										
#	X,Y	1	2	3	4	5	6	7	8	9	Total 8hr	8hr Hazard
1	570310.55,	0	0	0	0	0	0	0	0	0	2.66853E-08	1.77902E-06
2	570350.55,	0	0	0	0	0	0	0	0	0	3.01579E-08	2.01052E-06
3	570390.55,	0	0	0	0	0	0	0	0	0	3.32106E-08	2.21404E-06
4	570430.55,	0	0	0	0	0	0	0	0	0	3.504E-08	2.336E-06
5	570470.55,	0	0	0	0	0	0	0	0	0	3.49721E-08	2.33148E-06
6	570510.55,	0	0	0	0	0	0	0	0	0	3.4732E-08	2.31546E-06
7	570550.55,	0	0	0	0	0	0	0	0	0	3.94184E-08	2.62789E-06
8	570590.55,	0	0	0	0	0	0	0	0	0	3.99673E-08	2.66449E-06
9	570630.55,	0	0	0	0	0	0	0	0	0	4.14042E-08	2.76028E-06
10	570670.55,	0	0	0	0	0	0	0	0	0	4.82986E-08	3.21991E-06
11	570710.55,	0	0	0	0	0	0	0	0	0	4.61058E-08	3.07372E-06
12	570750.55,	0	0	0	0	0	0	0	0	0	4.9298E-08	3.28654E-06
13	570790.55,	0	0	0	0	0	0	0	0	0	5.04766E-08	3.36511E-06
14	570830.55,	0	0	0	0	0	0	0	0	0	5.10875E-08	3.40583E-06
15	570870.55,	0	0	0	0	0	0	0	0	0	5.65394E-08	3.7693E-06
16	570910.55,	0	0	0	0	0	0	0	0	0	6.27025E-08	4.18017E-06
17	570950.55,	0	0	0	0	0	0	0	0	0	7.89523E-08	5.26349E-06
18	570990.55,	0	0	0	0	0	0	0	0	0	7.32102E-08	4.88068E-06
19	571030.55,	0	0	0	0	0	0	0	0	0	6.94778E-08	4.63186E-06
20	571070.55,	0	0	0	0	0	0	0	0	0	6.63029E-08	4.42019E-06
21	571110.55,	0	0	0	0	0	0	0	0	0	7.96649E-08	5.31099E-06
22	571150.55,	0	0	0	0	0	0	0	0	0	8.45051E-08	5.63367E-06
23	571190.55,	0	0	0	0	0	0	0	0	0	8.04458E-08	5.36305E-06
24	571230.55,	0	0	0	0	0	0	0	0	0	8.38242E-08	5.58828E-06
25	571270.55,	0	0	0	0	0	0	0	0	0	7.64603E-08	5.09736E-06
26	571310.55,	0	0	0	0	0	0	0	0	0	7.19527E-08	4.79685E-06
27	571350.55,	0	0	0	0	0	0	0	0	0	6.84533E-08	4.56355E-06
28	571390.55,	0	0	0	0	0	0	0	0	0	7.08938E-08	4.72625E-06
29	571430.55,	0	0	0	0	0	0	0	0	0	7.10625E-08	4.7375E-06
30	571470.55,	0	0	0	0	0	0	0	0	0	6.91893E-08	4.61262E-06
31	571510.55,	0	0	0	0	0	0	0	0	0	6.20947E-08	4.13965E-06
32	571550.55,	0	0	0	0	0	0	0	0	0	5.77606E-08	3.8507E-06
33	571590.55,	0	0	0	0	0	0	0	0	0	4.80251E-08	3.20167E-06
34	570310.55,	0	0	0	0	0	0	0	0	0	2.81915E-08	1.87943E-06
35	570350.55,	0	0	0	0	0	0	0	0	0	2.91748E-08	1.94499E-06
36	570390.55,	0	0	0	0	0	0	0	0	0	3.10643E-08	2.07095E-06
37	570430.55,	0	0	0	0	0	0	0	0	0	3.47912E-08	2.31942E-06
38	570470.55,	0	0	0	0	0	0	0	0	0	3.87391E-08	2.5826E-06
39	570510.55,	0	0	0	0	0	0	0	0	0	4.08927E-08	2.72618E-06
40	570550.55,	0	0	0	0	0	0	0	0	0	4.0408E-08	2.69387E-06
41	570590.55,	0	0	0	0	0	0	0	0	0	4.31781E-08	2.87854E-06
42	570630.55,	0	0	0	0	0	0	0	0	0	4.65093E-08	3.10062E-06
43	570670.55,	0	0	0	0	0	0	0	0	0	5.09081E-08	3.39387E-06

44	570710.55,	0	0	0	0	0	0	0	0	0	5.21095E-08	3.47396E-06
45	570750.55,	0	0	0	0	0	0	0	0	0	5.28801E-08	3.52534E-06
46	570790.55,	0	0	0	0	0	0	0	0	0	5.63078E-08	3.75385E-06
47	570830.55,	0	0	0	0	0	0	0	0	0	5.73246E-08	3.82164E-06
48	570870.55,	0	0	0	0	0	0	0	0	0	6.08907E-08	4.05938E-06
49	570910.55,	0	0	0	0	0	0	0	0	0	6.42377E-08	4.28252E-06
50	570950.55,	0	0	0	0	0	0	0	0	0	8.45527E-08	5.63684E-06
51	570990.55,	0	0	0	0	0	0	0	0	0	8.62196E-08	5.74797E-06
52	571030.55,	0	0	0	0	0	0	0	0	0	7.77557E-08	5.18372E-06
53	571070.55,	0	0	0	0	0	0	0	0	0	7.65748E-08	5.10499E-06
54	571110.55,	0	0	0	0	0	0	0	0	0	8.9799E-08	5.9866E-06
55	571150.55,	0	0	0	0	0	0	0	0	0	9.31942E-08	6.21295E-06
56	571190.55,	0	0	0	0	0	0	0	0	0	9.34003E-08	6.22669E-06
57	571230.55,	0	0	0	0	0	0	0	0	0	8.84975E-08	5.89983E-06
58	571270.55,	0	0	0	0	0	0	0	0	0	8.18775E-08	5.4585E-06
59	571310.55,	0	0	0	0	0	0	0	0	0	7.66407E-08	5.10938E-06
60	571350.55,	0	0	0	0	0	0	0	0	0	7.78284E-08	5.18856E-06
61	571390.55,	0	0	0	0	0	0	0	0	0	7.83781E-08	5.2252E-06
62	571430.55,	0	0	0	0	0	0	0	0	0	7.65498E-08	5.10332E-06
63	571470.55,	0	0	0	0	0	0	0	0	0	6.86195E-08	4.57463E-06
64	571510.55,	0	0	0	0	0	0	0	0	0	6.28421E-08	4.18947E-06
65	571550.55,	0	0	0	0	0	0	0	0	0	5.09196E-08	3.39464E-06
66	571590.55,	0	0	0	0	0	0	0	0	0	5.11804E-08	3.41203E-06
67	570310.55,	0	0	0	0	0	0	0	0	0	3.02796E-08	2.01864E-06
68	570350.55,	0	0	0	0	0	0	0	0	0	3.12893E-08	2.08595E-06
69	570390.55,	0	0	0	0	0	0	0	0	0	3.22588E-08	2.15059E-06
70	570430.55,	0	0	0	0	0	0	0	0	0	3.44413E-08	2.29609E-06
71	570470.55,	0	0	0	0	0	0	0	0	0	3.62613E-08	2.41742E-06
72	570510.55,	0	0	0	0	0	0	0	0	0	4.10301E-08	2.73534E-06
73	570550.55,	0	0	0	0	0	0	0	0	0	4.62005E-08	3.08003E-06
74	570590.55,	0	0	0	0	0	0	0	0	0	4.8634E-08	3.24227E-06
75	570630.55,	0	0	0	0	0	0	0	0	0	4.72728E-08	3.15152E-06
76	570670.55,	0	0	0	0	0	0	0	0	0	5.3416E-08	3.56107E-06
77	570710.55,	0	0	0	0	0	0	0	0	0	5.78663E-08	3.85776E-06
78	570750.55,	0	0	0	0	0	0	0	0	0	5.94753E-08	3.96502E-06
79	570790.55,	0	0	0	0	0	0	0	0	0	6.08063E-08	4.05375E-06
80	570830.55,	0	0	0	0	0	0	0	0	0	6.63076E-08	4.42051E-06
81	570870.55,	0	0	0	0	0	0	0	0	0	6.58389E-08	4.38926E-06
82	570910.55,	0	0	0	0	0	0	0	0	0	7.40407E-08	4.93605E-06
83	570950.55,	0	0	0	0	0	0	0	0	0	8.54067E-08	5.69378E-06
84	570990.55,	0	0	0	0	0	0	0	0	0	1.03298E-07	6.8865E-06
85	571030.55,	0	0	0	0	0	0	0	0	0	9.1109E-08	6.07393E-06
86	571070.55,	0	0	0	0	0	0	0	0	0	8.92559E-08	5.95039E-06
87	571110.55,	0	0	0	0	0	0	0	0	0	1.02316E-07	6.82109E-06
88	571150.55,	0	0	0	0	0	0	0	0	0	1.0353E-07	6.90199E-06
89	571190.55,	0	0	0	0	0	0	0	0	0	1.04708E-07	6.98056E-06
90	571230.55,	0	0	0	0	0	0	0	0	0	9.33547E-08	6.22365E-06

91	571270.55,	0	0	0	0	0	0	0	0	0	8.73126E-08	5.82084E-06
92	571310.55,	0	0	0	0	0	0	0	0	0	8.72985E-08	5.8199E-06
93	571350.55,	0	0	0	0	0	0	0	0	0	8.74253E-08	5.82836E-06
94	571390.55,	0	0	0	0	0	0	0	0	0	8.53918E-08	5.69279E-06
95	571430.55,	0	0	0	0	0	0	0	0	0	7.6419E-08	5.0946E-06
96	571470.55,	0	0	0	0	0	0	0	0	0	6.87759E-08	4.58506E-06
97	571510.55,	0	0	0	0	0	0	0	0	0	5.69093E-08	3.79396E-06
98	571550.55,	0	0	0	0	0	0	0	0	0	5.95479E-08	3.96986E-06
99	571590.55,	0	0	0	0	0	0	0	0	0	5.92547E-08	3.95031E-06
100	570310.55,	0	0	0	0	0	0	0	0	0	3.00678E-08	2.00452E-06
101	570350.55,	0	0	0	0	0	0	0	0	0	3.31929E-08	2.21286E-06
102	570390.55,	0	0	0	0	0	0	0	0	0	3.50872E-08	2.33914E-06
103	570430.55,	0	0	0	0	0	0	0	0	0	3.60235E-08	2.40157E-06
104	570470.55,	0	0	0	0	0	0	0	0	0	3.84927E-08	2.56618E-06
105	570510.55,	0	0	0	0	0	0	0	0	0	4.05131E-08	2.70087E-06
106	570550.55,	0	0	0	0	0	0	0	0	0	4.13428E-08	2.75619E-06
107	570590.55,	0	0	0	0	0	0	0	0	0	4.96429E-08	3.30953E-06
108	570630.55,	0	0	0	0	0	0	0	0	0	5.64403E-08	3.76269E-06
109	570670.55,	0	0	0	0	0	0	0	0	0	5.90856E-08	3.93904E-06
110	570710.55,	0	0	0	0	0	0	0	0	0	6.31358E-08	4.20905E-06
111	570750.55,	0	0	0	0	0	0	0	0	0	6.63412E-08	4.42275E-06
112	570790.55,	0	0	0	0	0	0	0	0	0	6.92903E-08	4.61935E-06
113	570830.55,	0	0	0	0	0	0	0	0	0	7.21265E-08	4.80843E-06
114	570870.55,	0	0	0	0	0	0	0	0	0	7.93307E-08	5.28871E-06
115	570910.55,	0	0	0	0	0	0	0	0	0	7.76385E-08	5.1759E-06
116	570950.55,	0	0	0	0	0	0	0	0	0	8.93712E-08	5.95808E-06
117	570990.55,	0	0	0	0	0	0	0	0	0	1.16579E-07	7.77191E-06
118	571030.55,	0	0	0	0	0	0	0	0	0	1.11488E-07	7.43255E-06
119	571070.55,	0	0	0	0	0	0	0	0	0	1.05697E-07	7.0465E-06
120	571110.55,	0	0	0	0	0	0	0	0	0	1.18414E-07	7.89426E-06
121	571150.55,	0	0	0	0	0	0	0	0	0	1.21553E-07	8.10354E-06
122	571190.55,	0	0	0	0	0	0	0	0	0	1.13243E-07	7.54952E-06
123	571230.55,	0	0	0	0	0	0	0	0	0	1.0422E-07	6.94798E-06
124	571270.55,	0	0	0	0	0	0	0	0	0	9.89872E-08	6.59915E-06
125	571310.55,	0	0	0	0	0	0	0	0	0	9.8403E-08	6.5602E-06
126	571350.55,	0	0	0	0	0	0	0	0	0	9.61242E-08	6.40828E-06
127	571390.55,	0	0	0	0	0	0	0	0	0	8.58363E-08	5.72242E-06
128	571430.55,	0	0	0	0	0	0	0	0	0	7.59005E-08	5.06003E-06
129	571470.55,	0	0	0	0	0	0	0	0	0	6.68663E-08	4.45776E-06
130	571510.55,	0	0	0	0	0	0	0	0	0	6.86204E-08	4.57469E-06
131	571550.55,	0	0	0	0	0	0	0	0	0	6.52387E-08	4.34924E-06
132	571590.55,	0	0	0	0	0	0	0	0	0	5.80423E-08	3.86948E-06
133	570310.55,	0	0	0	0	0	0	0	0	0	3.53263E-08	2.35508E-06
134	570350.55,	0	0	0	0	0	0	0	0	0	3.49005E-08	2.3267E-06
135	570390.55,	0	0	0	0	0	0	0	0	0	3.64649E-08	2.431E-06
136	570430.55,	0	0	0	0	0	0	0	0	0	3.95813E-08	2.63875E-06
137	570470.55,	0	0	0	0	0	0	0	0	0	4.03838E-08	2.69226E-06

138	570510.55,	0	0	0	0	0	0	0	0	0	4.34381E-08	2.89587E-06
139	570550.55,	0	0	0	0	0	0	0	0	0	4.56266E-08	3.04177E-06
140	570590.55,	0	0	0	0	0	0	0	0	0	4.61253E-08	3.07502E-06
141	570630.55,	0	0	0	0	0	0	0	0	0	5.03042E-08	3.35361E-06
142	570670.55,	0	0	0	0	0	0	0	0	0	6.19494E-08	4.12996E-06
143	570710.55,	0	0	0	0	0	0	0	0	0	7.11921E-08	4.74614E-06
144	570750.55,	0	0	0	0	0	0	0	0	0	7.54267E-08	5.02844E-06
145	570790.55,	0	0	0	0	0	0	0	0	0	7.94607E-08	5.29738E-06
146	570830.55,	0	0	0	0	0	0	0	0	0	8.1547E-08	5.43647E-06
147	570870.55,	0	0	0	0	0	0	0	0	0	8.90889E-08	5.93926E-06
148	570910.55,	0	0	0	0	0	0	0	0	0	9.65827E-08	6.43885E-06
149	570950.55,	0	0	0	0	0	0	0	0	0	1.07211E-07	7.14742E-06
150	570990.55,	0	0	0	0	0	0	0	0	0	1.23986E-07	8.26574E-06
151	571030.55,	0	0	0	0	0	0	0	0	0	1.43997E-07	9.59978E-06
152	571070.55,	0	0	0	0	0	0	0	0	0	1.29802E-07	8.65349E-06
153	571110.55,	0	0	0	0	0	0	0	0	0	1.41369E-07	9.42462E-06
154	571150.55,	0	0	0	0	0	0	0	0	0	1.4586E-07	9.72402E-06
155	571190.55,	0	0	0	0	0	0	0	0	0	1.19631E-07	7.97542E-06
156	571230.55,	0	0	0	0	0	0	0	0	0	1.14778E-07	7.65189E-06
157	571270.55,	0	0	0	0	0	0	0	0	0	1.11979E-07	7.46525E-06
158	571310.55,	0	0	0	0	0	0	0	0	0	1.09645E-07	7.30966E-06
159	571350.55,	0	0	0	0	0	0	0	0	0	9.77093E-08	6.51395E-06
160	571390.55,	0	0	0	0	0	0	0	0	0	8.46594E-08	5.64396E-06
161	571430.55,	0	0	0	0	0	0	0	0	0	7.98551E-08	5.32367E-06
162	571470.55,	0	0	0	0	0	0	0	0	0	7.80626E-08	5.20418E-06
163	571510.55,	0	0	0	0	0	0	0	0	0	7.04093E-08	4.69395E-06
164	571550.55,	0	0	0	0	0	0	0	0	0	6.09628E-08	4.06419E-06
165	571590.55,	0	0	0	0	0	0	0	0	0	5.52184E-08	3.68123E-06
166	570310.55,	0	0	0	0	0	0	0	0	0	3.43766E-08	2.29177E-06
167	570350.55,	0	0	0	0	0	0	0	0	0	3.89898E-08	2.59932E-06
168	570390.55,	0	0	0	0	0	0	0	0	0	4.06995E-08	2.7133E-06
169	570430.55,	0	0	0	0	0	0	0	0	0	4.03757E-08	2.69172E-06
170	570470.55,	0	0	0	0	0	0	0	0	0	4.49089E-08	2.99393E-06
171	570510.55,	0	0	0	0	0	0	0	0	0	4.58468E-08	3.05645E-06
172	570550.55,	0	0	0	0	0	0	0	0	0	4.96437E-08	3.30958E-06
173	570590.55,	0	0	0	0	0	0	0	0	0	5.18574E-08	3.45716E-06
174	570630.55,	0	0	0	0	0	0	0	0	0	5.48857E-08	3.65905E-06
175	570670.55,	0	0	0	0	0	0	0	0	0	6.0084E-08	4.0056E-06
176	570710.55,	0	0	0	0	0	0	0	0	0	6.45585E-08	4.3039E-06
177	570750.55,	0	0	0	0	0	0	0	0	0	8.19989E-08	5.4666E-06
178	570790.55,	0	0	0	0	0	0	0	0	0	9.35822E-08	6.23881E-06
179	570830.55,	0	0	0	0	0	0	0	0	0	9.56631E-08	6.37754E-06
180	570870.55,	0	0	0	0	0	0	0	0	0	1.02214E-07	6.81424E-06
181	570910.55,	0	0	0	0	0	0	0	0	0	1.12504E-07	7.5003E-06
182	570950.55,	0	0	0	0	0	0	0	0	0	1.25565E-07	8.37102E-06
183	570990.55,	0	0	0	0	0	0	0	0	0	1.55469E-07	1.03646E-05
184	571030.55,	0	0	0	0	0	0	0	0	0	1.77721E-07	1.1848E-05

185	571070.55,	0	0	0	0	0	0	0	0	0	1.65401E-07	1.10267E-05
186	571110.55,	0	0	0	0	0	0	0	0	0	1.72194E-07	1.14796E-05
187	571150.55,	0	0	0	0	0	0	0	0	0	1.65781E-07	1.1052E-05
188	571190.55,	0	0	0	0	0	0	0	0	0	1.44765E-07	9.65099E-06
189	571230.55,	0	0	0	0	0	0	0	0	0	1.3296E-07	8.86401E-06
190	571270.55,	0	0	0	0	0	0	0	0	0	1.27886E-07	8.52575E-06
191	571310.55,	0	0	0	0	0	0	0	0	0	1.14263E-07	7.61753E-06
192	571350.55,	0	0	0	0	0	0	0	0	0	9.61268E-08	6.40845E-06
193	571390.55,	0	0	0	0	0	0	0	0	0	9.47989E-08	6.31993E-06
194	571430.55,	0	0	0	0	0	0	0	0	0	8.74862E-08	5.83242E-06
195	571470.55,	0	0	0	0	0	0	0	0	0	7.4008E-08	4.93387E-06
196	571510.55,	0	0	0	0	0	0	0	0	0	6.85356E-08	4.56904E-06
197	571550.55,	0	0	0	0	0	0	0	0	0	6.80893E-08	4.53929E-06
198	571590.55,	0	0	0	0	0	0	0	0	0	6.68411E-08	4.45607E-06
199	570310.55,	0	0	0	0	0	0	0	0	0	4.11165E-08	2.7411E-06
200	570350.55,	0	0	0	0	0	0	0	0	0	4.15059E-08	2.76706E-06
201	570390.55,	0	0	0	0	0	0	0	0	0	4.22728E-08	2.81819E-06
202	570430.55,	0	0	0	0	0	0	0	0	0	4.6913E-08	3.12754E-06
203	570470.55,	0	0	0	0	0	0	0	0	0	4.59157E-08	3.06105E-06
204	570510.55,	0	0	0	0	0	0	0	0	0	5.13154E-08	3.42102E-06
205	570550.55,	0	0	0	0	0	0	0	0	0	5.29382E-08	3.52921E-06
206	570590.55,	0	0	0	0	0	0	0	0	0	5.74869E-08	3.83246E-06
207	570630.55,	0	0	0	0	0	0	0	0	0	5.94991E-08	3.9666E-06
208	570670.55,	0	0	0	0	0	0	0	0	0	6.23693E-08	4.15795E-06
209	570710.55,	0	0	0	0	0	0	0	0	0	6.9808E-08	4.65387E-06
210	570750.55,	0	0	0	0	0	0	0	0	0	8.62527E-08	5.75018E-06
211	570790.55,	0	0	0	0	0	0	0	0	0	9.10821E-08	6.07214E-06
212	570830.55,	0	0	0	0	0	0	0	0	0	1.12035E-07	7.46901E-06
213	570870.55,	0	0	0	0	0	0	0	0	0	1.30222E-07	8.68145E-06
214	570910.55,	0	0	0	0	0	0	0	0	0	1.3218E-07	8.81202E-06
215	570950.55,	0	0	0	0	0	0	0	0	0	1.53227E-07	1.02151E-05
216	570990.55,	0	0	0	0	0	0	0	0	0	1.96539E-07	1.31026E-05
217	571030.55,	0	0	0	0	0	0	0	0	0	2.53458E-07	1.68972E-05
218	571070.55,	0	0	0	0	0	0	0	0	0	2.32353E-07	1.54902E-05
219	571110.55,	0	0	0	0	0	0	0	0	0	2.2698E-07	1.5132E-05
220	571150.55,	0	0	0	0	0	0	0	0	0	2.17668E-07	1.45112E-05
221	571190.55,	0	0	0	0	0	0	0	0	0	1.86938E-07	1.24625E-05
222	571230.55,	0	0	0	0	0	0	0	0	0	1.61503E-07	1.07669E-05
223	571270.55,	0	0	0	0	0	0	0	0	0	1.39216E-07	9.28107E-06
224	571310.55,	0	0	0	0	0	0	0	0	0	1.16939E-07	7.79593E-06
225	571350.55,	0	0	0	0	0	0	0	0	0	1.12201E-07	7.48007E-06
226	571390.55,	0	0	0	0	0	0	0	0	0	9.60161E-08	6.40107E-06
227	571430.55,	0	0	0	0	0	0	0	0	0	8.75365E-08	5.83576E-06
228	571470.55,	0	0	0	0	0	0	0	0	0	8.56377E-08	5.70918E-06
229	571510.55,	0	0	0	0	0	0	0	0	0	8.12327E-08	5.41551E-06
230	571550.55,	0	0	0	0	0	0	0	0	0	7.48571E-08	4.99047E-06
231	571590.55,	0	0	0	0	0	0	0	0	0	6.77709E-08	4.51806E-06

232	570310.55,	0	0	0	0	0	0	0	0	0	3.97682E-08	2.65121E-06
233	570350.55,	0	0	0	0	0	0	0	0	0	4.55173E-08	3.03449E-06
234	570390.55,	0	0	0	0	0	0	0	0	0	4.9038E-08	3.2692E-06
235	570430.55,	0	0	0	0	0	0	0	0	0	4.89646E-08	3.26431E-06
236	570470.55,	0	0	0	0	0	0	0	0	0	5.30212E-08	3.53475E-06
237	570510.55,	0	0	0	0	0	0	0	0	0	5.59824E-08	3.73216E-06
238	570550.55,	0	0	0	0	0	0	0	0	0	5.91626E-08	3.94417E-06
239	570590.55,	0	0	0	0	0	0	0	0	0	6.2109E-08	4.1406E-06
240	570630.55,	0	0	0	0	0	0	0	0	0	6.7713E-08	4.5142E-06
241	570670.55,	0	0	0	0	0	0	0	0	0	7.0365E-08	4.691E-06
242	570710.55,	0	0	0	0	0	0	0	0	0	7.87609E-08	5.25072E-06
243	570750.55,	0	0	0	0	0	0	0	0	0	8.9289E-08	5.9526E-06
244	570790.55,	0	0	0	0	0	0	0	0	0	1.0518E-07	7.01199E-06
245	570830.55,	0	0	0	0	0	0	0	0	0	1.15654E-07	7.71027E-06
246	570870.55,	0	0	0	0	0	0	0	0	0	1.35312E-07	9.02082E-06
247	570910.55,	0	0	0	0	0	0	0	0	0	1.75238E-07	1.16826E-05
248	570950.55,	0	0	0	0	0	0	0	0	0	2.10068E-07	1.40046E-05
249	570990.55,	0	0	0	0	0	0	0	0	0	2.72433E-07	1.81622E-05
250	571030.55,	0	0	0	0	0	0	0	0	0	4.17025E-07	2.78017E-05
251	571070.55,	0	0	0	0	0	0	0	0	0	5.50304E-07	3.6687E-05
252	571110.55,	0	0	0	0	0	0	0	0	0	4.73761E-07	3.15841E-05
253	571150.55,	0	0	0	0	0	0	0	0	0	3.23314E-07	2.15542E-05
254	571190.55,	0	0	0	0	0	0	0	0	0	2.43989E-07	1.6266E-05
255	571230.55,	0	0	0	0	0	0	0	0	0	1.97249E-07	1.31499E-05
256	571270.55,	0	0	0	0	0	0	0	0	0	1.56508E-07	1.04339E-05
257	571310.55,	0	0	0	0	0	0	0	0	0	1.32603E-07	8.84019E-06
258	571350.55,	0	0	0	0	0	0	0	0	0	1.18086E-07	7.87238E-06
259	571390.55,	0	0	0	0	0	0	0	0	0	1.11186E-07	7.4124E-06
260	571430.55,	0	0	0	0	0	0	0	0	0	1.00267E-07	6.68448E-06
261	571470.55,	0	0	0	0	0	0	0	0	0	8.78191E-08	5.85461E-06
262	571510.55,	0	0	0	0	0	0	0	0	0	7.58527E-08	5.05685E-06
263	571550.55,	0	0	0	0	0	0	0	0	0	6.55272E-08	4.36848E-06
264	571590.55,	0	0	0	0	0	0	0	0	0	5.67976E-08	3.7865E-06
265	570310.55,	0	0	0	0	0	0	0	0	0	3.76985E-08	2.51323E-06
266	570350.55,	0	0	0	0	0	0	0	0	0	3.96059E-08	2.6404E-06
267	570390.55,	0	0	0	0	0	0	0	0	0	4.78082E-08	3.18721E-06
268	570430.55,	0	0	0	0	0	0	0	0	0	5.55533E-08	3.70355E-06
269	570470.55,	0	0	0	0	0	0	0	0	0	6.00903E-08	4.00602E-06
270	570510.55,	0	0	0	0	0	0	0	0	0	5.91602E-08	3.94401E-06
271	570550.55,	0	0	0	0	0	0	0	0	0	6.72622E-08	4.48415E-06
272	570590.55,	0	0	0	0	0	0	0	0	0	6.90622E-08	4.60414E-06
273	570630.55,	0	0	0	0	0	0	0	0	0	7.58945E-08	5.05963E-06
274	570670.55,	0	0	0	0	0	0	0	0	0	8.16172E-08	5.44115E-06
275	570710.55,	0	0	0	0	0	0	0	0	0	8.66488E-08	5.77659E-06
276	570750.55,	0	0	0	0	0	0	0	0	0	9.86522E-08	6.57682E-06
277	570790.55,	0	0	0	0	0	0	0	0	0	1.20283E-07	8.01886E-06
278	570830.55,	0	0	0	0	0	0	0	0	0	1.25304E-07	8.35358E-06

279	570870.55,	0	0	0	0	0	0	0	0	0	1.49363E-07	9.95755E-06
280	570910.55,	0	0	0	0	0	0	0	0	0	1.85038E-07	1.23359E-05
281	570950.55,	0	0	0	0	0	0	0	0	0	2.68371E-07	1.78914E-05
282	570990.55,	0	0	0	0	0	0	0	0	0	5.55005E-07	3.70003E-05
283	571030.55,	0	0	0	0	0	0	0	0	0	5.71519E-07	3.81012E-05
284	571110.55,	0	0	0	0	0	0	0	0	0	1.68127E-06	0.000112085
285	571150.55,	0	0	0	0	0	0	0	0	0	6.63156E-07	4.42104E-05
286	571190.55,	0	0	0	0	0	0	0	0	0	3.98953E-07	2.65968E-05
287	571230.55,	0	0	0	0	0	0	0	0	0	2.73927E-07	1.82618E-05
288	571270.55,	0	0	0	0	0	0	0	0	0	1.86358E-07	1.24239E-05
289	571310.55,	0	0	0	0	0	0	0	0	0	1.54432E-07	1.02955E-05
290	571350.55,	0	0	0	0	0	0	0	0	0	1.27393E-07	8.49288E-06
291	571390.55,	0	0	0	0	0	0	0	0	0	1.0272E-07	6.84799E-06
292	571430.55,	0	0	0	0	0	0	0	0	0	8.31941E-08	5.54627E-06
293	571470.55,	0	0	0	0	0	0	0	0	0	6.87893E-08	4.58596E-06
294	571510.55,	0	0	0	0	0	0	0	0	0	5.81672E-08	3.87781E-06
295	571550.55,	0	0	0	0	0	0	0	0	0	5.00593E-08	3.33729E-06
296	571590.55,	0	0	0	0	0	0	0	0	0	4.37707E-08	2.91804E-06
297	570310.55,	0	0	0	0	0	0	0	0	0	4.01578E-08	2.67719E-06
298	570350.55,	0	0	0	0	0	0	0	0	0	4.39116E-08	2.92744E-06
299	570390.55,	0	0	0	0	0	0	0	0	0	4.66842E-08	3.11228E-06
300	570430.55,	0	0	0	0	0	0	0	0	0	4.79428E-08	3.19619E-06
301	570470.55,	0	0	0	0	0	0	0	0	0	5.90334E-08	3.93556E-06
302	570510.55,	0	0	0	0	0	0	0	0	0	7.00705E-08	4.67137E-06
303	570550.55,	0	0	0	0	0	0	0	0	0	7.64658E-08	5.09772E-06
304	570590.55,	0	0	0	0	0	0	0	0	0	7.85022E-08	5.23348E-06
305	570630.55,	0	0	0	0	0	0	0	0	0	8.56603E-08	5.71068E-06
306	570670.55,	0	0	0	0	0	0	0	0	0	9.47872E-08	6.31915E-06
307	570710.55,	0	0	0	0	0	0	0	0	0	1.01852E-07	6.79011E-06
308	570750.55,	0	0	0	0	0	0	0	0	0	1.14273E-07	7.6182E-06
309	570790.55,	0	0	0	0	0	0	0	0	0	1.34679E-07	8.97863E-06
310	570830.55,	0	0	0	0	0	0	0	0	0	1.4555E-07	9.7033E-06
311	570870.55,	0	0	0	0	0	0	0	0	0	1.58679E-07	1.05786E-05
312	570910.55,	0	0	0	0	0	0	0	0	0	1.94319E-07	1.29546E-05
313	570950.55,	0	0	0	0	0	0	0	0	0	2.55151E-07	1.70101E-05
314	571150.55,	0	0	0	0	0	0	0	0	0	3.97846E-06	0.000265231
315	571190.55,	0	0	0	0	0	0	0	0	0	7.64864E-07	5.09909E-05
316	571230.55,	0	0	0	0	0	0	0	0	0	3.63946E-07	2.42631E-05
317	571270.55,	0	0	0	0	0	0	0	0	0	2.44673E-07	1.63115E-05
318	571310.55,	0	0	0	0	0	0	0	0	0	1.75403E-07	1.16935E-05
319	571350.55,	0	0	0	0	0	0	0	0	0	1.31072E-07	8.73811E-06
320	571390.55,	0	0	0	0	0	0	0	0	0	1.01559E-07	6.77062E-06
321	571430.55,	0	0	0	0	0	0	0	0	0	8.0868E-08	5.3912E-06
322	571470.55,	0	0	0	0	0	0	0	0	0	6.65528E-08	4.43685E-06
323	571510.55,	0	0	0	0	0	0	0	0	0	5.56096E-08	3.70731E-06
324	571550.55,	0	0	0	0	0	0	0	0	0	4.72245E-08	3.1483E-06
325	571590.55,	0	0	0	0	0	0	0	0	0	4.08351E-08	2.72234E-06

326	570310.55,	0	0	0	0	0	0	0	0	0	4.25929E-08	2.83953E-06
327	570350.55,	0	0	0	0	0	0	0	0	0	4.35941E-08	2.90628E-06
328	570390.55,	0	0	0	0	0	0	0	0	0	4.66724E-08	3.11149E-06
329	570430.55,	0	0	0	0	0	0	0	0	0	5.33349E-08	3.55566E-06
330	570470.55,	0	0	0	0	0	0	0	0	0	5.93581E-08	3.95721E-06
331	570510.55,	0	0	0	0	0	0	0	0	0	6.35748E-08	4.23832E-06
332	570550.55,	0	0	0	0	0	0	0	0	0	7.54757E-08	5.03171E-06
333	570590.55,	0	0	0	0	0	0	0	0	0	9.2725E-08	6.18166E-06
334	570630.55,	0	0	0	0	0	0	0	0	0	1.02869E-07	6.85791E-06
335	570670.55,	0	0	0	0	0	0	0	0	0	1.10147E-07	7.34313E-06
336	570710.55,	0	0	0	0	0	0	0	0	0	1.21563E-07	8.10417E-06
337	570750.55,	0	0	0	0	0	0	0	0	0	1.32998E-07	8.86653E-06
338	570790.55,	0	0	0	0	0	0	0	0	0	1.71831E-07	1.14554E-05
339	570830.55,	0	0	0	0	0	0	0	0	0	1.85817E-07	1.23878E-05
340	570870.55,	0	0	0	0	0	0	0	0	0	1.64863E-07	1.09908E-05
341	570910.55,	0	0	0	0	0	0	0	0	0	1.62005E-07	1.08003E-05
342	571190.55,	0	0	0	0	0	0	0	0	0	1.35034E-06	9.00228E-05
343	571230.55,	0	0	0	0	0	0	0	0	0	5.21106E-07	3.47404E-05
344	571270.55,	0	0	0	0	0	0	0	0	0	2.68658E-07	1.79105E-05
345	571310.55,	0	0	0	0	0	0	0	0	0	1.81961E-07	1.21307E-05
346	571350.55,	0	0	0	0	0	0	0	0	0	1.31907E-07	8.79383E-06
347	571390.55,	0	0	0	0	0	0	0	0	0	1.0259E-07	6.83936E-06
348	571430.55,	0	0	0	0	0	0	0	0	0	8.24356E-08	5.49571E-06
349	571470.55,	0	0	0	0	0	0	0	0	0	6.77593E-08	4.51729E-06
350	571510.55,	0	0	0	0	0	0	0	0	0	5.68108E-08	3.78739E-06
351	571550.55,	0	0	0	0	0	0	0	0	0	4.83233E-08	3.22155E-06
352	571590.55,	0	0	0	0	0	0	0	0	0	4.13852E-08	2.75902E-06
353	570310.55,	0	0	0	0	0	0	0	0	0	4.57023E-08	3.04682E-06
354	570350.55,	0	0	0	0	0	0	0	0	0	4.9771E-08	3.31807E-06
355	570390.55,	0	0	0	0	0	0	0	0	0	5.38452E-08	3.58968E-06
356	570430.55,	0	0	0	0	0	0	0	0	0	5.77858E-08	3.85239E-06
357	570470.55,	0	0	0	0	0	0	0	0	0	6.12133E-08	4.08088E-06
358	570510.55,	0	0	0	0	0	0	0	0	0	6.53856E-08	4.35904E-06
359	570550.55,	0	0	0	0	0	0	0	0	0	7.72124E-08	5.1475E-06
360	570590.55,	0	0	0	0	0	0	0	0	0	8.89546E-08	5.93031E-06
361	570630.55,	0	0	0	0	0	0	0	0	0	1.02622E-07	6.84149E-06
362	570670.55,	0	0	0	0	0	0	0	0	0	1.31692E-07	8.77944E-06
363	570710.55,	0	0	0	0	0	0	0	0	0	1.53358E-07	1.02239E-05
364	570750.55,	0	0	0	0	0	0	0	0	0	1.8026E-07	1.20174E-05
365	570790.55,	0	0	0	0	0	0	0	0	0	2.19246E-07	1.46164E-05
366	570830.55,	0	0	0	0	0	0	0	0	0	2.84893E-07	1.89929E-05
367	570870.55,	0	0	0	0	0	0	0	0	0	2.37242E-07	1.58162E-05
368	571150.55,	0	0	0	0	0	0	0	0	0	1.38412E-06	9.22744E-05
369	571190.55,	0	0	0	0	0	0	0	0	0	6.59641E-07	4.39761E-05
370	571230.55,	0	0	0	0	0	0	0	0	0	4.21712E-07	2.81141E-05
371	571270.55,	0	0	0	0	0	0	0	0	0	2.92731E-07	1.95154E-05
372	571310.55,	0	0	0	0	0	0	0	0	0	1.95754E-07	1.30502E-05

373	571350.55,	0	0	0	0	0	0	0	0	0	1.34843E-07	8.98954E-06
374	571390.55,	0	0	0	0	0	0	0	0	0	1.05475E-07	7.03164E-06
375	571430.55,	0	0	0	0	0	0	0	0	0	8.75231E-08	5.83487E-06
376	571470.55,	0	0	0	0	0	0	0	0	0	7.18569E-08	4.79046E-06
377	571510.55,	0	0	0	0	0	0	0	0	0	5.98553E-08	3.99036E-06
378	571550.55,	0	0	0	0	0	0	0	0	0	4.98825E-08	3.3255E-06
379	571590.55,	0	0	0	0	0	0	0	0	0	4.5061E-08	3.00406E-06
380	570310.55,	0	0	0	0	0	0	0	0	0	4.72356E-08	3.14904E-06
381	570350.55,	0	0	0	0	0	0	0	0	0	4.94755E-08	3.29837E-06
382	570390.55,	0	0	0	0	0	0	0	0	0	5.1783E-08	3.4522E-06
383	570430.55,	0	0	0	0	0	0	0	0	0	5.77201E-08	3.848E-06
384	570470.55,	0	0	0	0	0	0	0	0	0	6.57861E-08	4.38574E-06
385	570510.55,	0	0	0	0	0	0	0	0	0	7.49099E-08	4.994E-06
386	570550.55,	0	0	0	0	0	0	0	0	0	8.51397E-08	5.67598E-06
387	570590.55,	0	0	0	0	0	0	0	0	0	9.62671E-08	6.4178E-06
388	570630.55,	0	0	0	0	0	0	0	0	0	1.08346E-07	7.22304E-06
389	570670.55,	0	0	0	0	0	0	0	0	0	1.30841E-07	8.72273E-06
390	570710.55,	0	0	0	0	0	0	0	0	0	1.65617E-07	1.10411E-05
391	570750.55,	0	0	0	0	0	0	0	0	0	2.11636E-07	1.41091E-05
392	570790.55,	0	0	0	0	0	0	0	0	0	3.15816E-07	2.10544E-05
393	570830.55,	0	0	0	0	0	0	0	0	0	6.05978E-07	4.03986E-05
394	571110.55,	0	0	0	0	0	0	0	0	0	3.99861E-07	2.66574E-05
395	571150.55,	0	0	0	0	0	0	0	0	0	3.97704E-07	2.65136E-05
396	571190.55,	0	0	0	0	0	0	0	0	0	3.43868E-07	2.29245E-05
397	571230.55,	0	0	0	0	0	0	0	0	0	2.82033E-07	1.88022E-05
398	571270.55,	0	0	0	0	0	0	0	0	0	2.0324E-07	1.35493E-05
399	571310.55,	0	0	0	0	0	0	0	0	0	1.59227E-07	1.06151E-05
400	571350.55,	0	0	0	0	0	0	0	0	0	1.27605E-07	8.50699E-06
401	571390.55,	0	0	0	0	0	0	0	0	0	1.08512E-07	7.23413E-06
402	571430.55,	0	0	0	0	0	0	0	0	0	9.18027E-08	6.12018E-06
403	571470.55,	0	0	0	0	0	0	0	0	0	7.33133E-08	4.88755E-06
404	571510.55,	0	0	0	0	0	0	0	0	0	5.75533E-08	3.83689E-06
405	571550.55,	0	0	0	0	0	0	0	0	0	5.10877E-08	3.40584E-06
406	571590.55,	0	0	0	0	0	0	0	0	0	4.56341E-08	3.04227E-06
407	570310.55,	0	0	0	0	0	0	0	0	0	5.20585E-08	3.47057E-06
408	570350.55,	0	0	0	0	0	0	0	0	0	5.6145E-08	3.743E-06
409	570390.55,	0	0	0	0	0	0	0	0	0	6.08565E-08	4.0571E-06
410	570430.55,	0	0	0	0	0	0	0	0	0	6.63006E-08	4.42004E-06
411	570470.55,	0	0	0	0	0	0	0	0	0	7.26408E-08	4.84272E-06
412	570510.55,	0	0	0	0	0	0	0	0	0	8.0367E-08	5.3578E-06
413	570550.55,	0	0	0	0	0	0	0	0	0	8.97552E-08	5.98368E-06
414	570590.55,	0	0	0	0	0	0	0	0	0	1.01547E-07	6.76981E-06
415	570630.55,	0	0	0	0	0	0	0	0	0	1.17062E-07	7.80413E-06
416	570670.55,	0	0	0	0	0	0	0	0	0	1.39161E-07	9.27738E-06
417	570710.55,	0	0	0	0	0	0	0	0	0	1.74576E-07	1.16384E-05
418	570750.55,	0	0	0	0	0	0	0	0	0	2.32679E-07	1.5512E-05
419	570790.55,	0	0	0	0	0	0	0	0	0	3.81646E-07	2.54431E-05

420	571070.55,	0	0	0	0	0	0	0	0	0	2.02199E-07	1.34799E-05
421	571110.55,	0	0	0	0	0	0	0	0	0	2.31922E-07	1.54615E-05
422	571150.55,	0	0	0	0	0	0	0	0	0	2.31698E-07	1.54465E-05
423	571190.55,	0	0	0	0	0	0	0	0	0	2.01529E-07	1.34353E-05
424	571230.55,	0	0	0	0	0	0	0	0	0	2.02599E-07	1.35066E-05
425	571270.55,	0	0	0	0	0	0	0	0	0	1.79632E-07	1.19755E-05
426	571310.55,	0	0	0	0	0	0	0	0	0	1.63479E-07	1.08986E-05
427	571350.55,	0	0	0	0	0	0	0	0	0	1.30695E-07	8.71303E-06
428	571390.55,	0	0	0	0	0	0	0	0	0	8.72833E-08	5.81889E-06
429	571430.55,	0	0	0	0	0	0	0	0	0	7.74392E-08	5.16261E-06
430	571470.55,	0	0	0	0	0	0	0	0	0	7.82426E-08	5.21617E-06
431	571510.55,	0	0	0	0	0	0	0	0	0	7.33645E-08	4.89097E-06
432	571550.55,	0	0	0	0	0	0	0	0	0	6.41275E-08	4.27517E-06
433	571590.55,	0	0	0	0	0	0	0	0	0	5.30212E-08	3.53475E-06
434	570310.55,	0	0	0	0	0	0	0	0	0	4.66503E-08	3.11002E-06
435	570350.55,	0	0	0	0	0	0	0	0	0	5.07791E-08	3.38527E-06
436	570390.55,	0	0	0	0	0	0	0	0	0	5.55269E-08	3.70179E-06
437	570430.55,	0	0	0	0	0	0	0	0	0	6.08418E-08	4.05612E-06
438	570470.55,	0	0	0	0	0	0	0	0	0	6.74126E-08	4.49417E-06
439	570510.55,	0	0	0	0	0	0	0	0	0	7.55419E-08	5.03613E-06
440	570550.55,	0	0	0	0	0	0	0	0	0	8.54039E-08	5.6936E-06
441	570590.55,	0	0	0	0	0	0	0	0	0	9.72865E-08	6.48577E-06
442	570630.55,	0	0	0	0	0	0	0	0	0	1.12399E-07	7.49329E-06
443	570670.55,	0	0	0	0	0	0	0	0	0	1.32222E-07	8.81477E-06
444	570710.55,	0	0	0	0	0	0	0	0	0	1.61914E-07	1.07942E-05
445	570750.55,	0	0	0	0	0	0	0	0	0	2.08363E-07	1.38909E-05
446	570790.55,	0	0	0	0	0	0	0	0	0	4.28219E-07	2.85479E-05
447	571030.55,	0	0	0	0	0	0	0	0	0	3.6116E-07	2.40773E-05
448	571070.55,	0	0	0	0	0	0	0	0	0	2.34564E-07	1.56376E-05
449	571110.55,	0	0	0	0	0	0	0	0	0	1.7233E-07	1.14887E-05
450	571150.55,	0	0	0	0	0	0	0	0	0	1.58859E-07	1.05906E-05
451	571190.55,	0	0	0	0	0	0	0	0	0	1.77828E-07	1.18552E-05
452	571230.55,	0	0	0	0	0	0	0	0	0	1.45242E-07	9.68278E-06
453	571270.55,	0	0	0	0	0	0	0	0	0	1.65503E-07	1.10335E-05
454	571310.55,	0	0	0	0	0	0	0	0	0	1.34778E-07	8.98519E-06
455	571350.55,	0	0	0	0	0	0	0	0	0	1.26514E-07	8.43427E-06
456	571390.55,	0	0	0	0	0	0	0	0	0	1.14014E-07	7.60094E-06
457	571430.55,	0	0	0	0	0	0	0	0	0	8.32512E-08	5.55008E-06
458	571470.55,	0	0	0	0	0	0	0	0	0	5.49145E-08	3.66097E-06
459	571510.55,	0	0	0	0	0	0	0	0	0	5.25509E-08	3.50339E-06
460	571550.55,	0	0	0	0	0	0	0	0	0	5.75311E-08	3.83541E-06
461	571590.55,	0	0	0	0	0	0	0	0	0	5.78449E-08	3.85633E-06
462	570310.55,	0	0	0	0	0	0	0	0	0	5.03186E-08	3.35457E-06
463	570350.55,	0	0	0	0	0	0	0	0	0	5.37315E-08	3.5821E-06
464	570390.55,	0	0	0	0	0	0	0	0	0	5.74226E-08	3.82818E-06
465	570430.55,	0	0	0	0	0	0	0	0	0	6.22347E-08	4.14898E-06
466	570470.55,	0	0	0	0	0	0	0	0	0	6.78425E-08	4.52283E-06

467	570510.55,	0	0	0	0	0	0	0	0	0	7.5354E-08	5.0236E-06
468	570550.55,	0	0	0	0	0	0	0	0	0	8.44767E-08	5.63178E-06
469	570590.55,	0	0	0	0	0	0	0	0	0	9.39866E-08	6.26577E-06
470	570630.55,	0	0	0	0	0	0	0	0	0	1.04771E-07	6.98475E-06
471	570670.55,	0	0	0	0	0	0	0	0	0	1.16943E-07	7.79621E-06
472	570710.55,	0	0	0	0	0	0	0	0	0	1.35609E-07	9.04063E-06
473	570750.55,	0	0	0	0	0	0	0	0	0	1.87098E-07	1.24732E-05
474	570790.55,	0	0	0	0	0	0	0	0	0	2.47415E-07	1.64943E-05
475	570990.55,	0	0	0	0	0	0	0	0	0	1.67031E-06	0.000111354
476	571030.55,	0	0	0	0	0	0	0	0	0	5.30794E-07	3.53863E-05
477	571070.55,	0	0	0	0	0	0	0	0	0	2.54195E-07	1.69463E-05
478	571110.55,	0	0	0	0	0	0	0	0	0	1.75601E-07	1.17067E-05
479	571150.55,	0	0	0	0	0	0	0	0	0	1.30116E-07	8.67438E-06
480	571190.55,	0	0	0	0	0	0	0	0	0	1.34272E-07	8.95149E-06
481	571230.55,	0	0	0	0	0	0	0	0	0	1.30124E-07	8.67496E-06
482	571270.55,	0	0	0	0	0	0	0	0	0	1.23747E-07	8.2498E-06
483	571310.55,	0	0	0	0	0	0	0	0	0	1.40993E-07	9.39954E-06
484	571350.55,	0	0	0	0	0	0	0	0	0	1.14392E-07	7.62612E-06
485	571390.55,	0	0	0	0	0	0	0	0	0	9.52103E-08	6.34735E-06
486	571430.55,	0	0	0	0	0	0	0	0	0	9.70139E-08	6.46759E-06
487	571470.55,	0	0	0	0	0	0	0	0	0	7.97506E-08	5.31671E-06
488	571510.55,	0	0	0	0	0	0	0	0	0	5.3688E-08	3.5792E-06
489	571550.55,	0	0	0	0	0	0	0	0	0	3.94094E-08	2.6273E-06
490	571590.55,	0	0	0	0	0	0	0	0	0	3.81774E-08	2.54516E-06
491	570310.55,	0	0	0	0	0	0	0	0	0	5.11425E-08	3.4095E-06
492	570350.55,	0	0	0	0	0	0	0	0	0	5.3595E-08	3.573E-06
493	570390.55,	0	0	0	0	0	0	0	0	0	5.64216E-08	3.76144E-06
494	570430.55,	0	0	0	0	0	0	0	0	0	5.98087E-08	3.98725E-06
495	570470.55,	0	0	0	0	0	0	0	0	0	6.31434E-08	4.20956E-06
496	570510.55,	0	0	0	0	0	0	0	0	0	6.7205E-08	4.48033E-06
497	570550.55,	0	0	0	0	0	0	0	0	0	7.16938E-08	4.77959E-06
498	570590.55,	0	0	0	0	0	0	0	0	0	8.00027E-08	5.33351E-06
499	570630.55,	0	0	0	0	0	0	0	0	0	9.10952E-08	6.07301E-06
500	570670.55,	0	0	0	0	0	0	0	0	0	1.10904E-07	7.39359E-06
501	570710.55,	0	0	0	0	0	0	0	0	0	1.33062E-07	8.87079E-06
502	570750.55,	0	0	0	0	0	0	0	0	0	1.65794E-07	1.10529E-05
503	570790.55,	0	0	0	0	0	0	0	0	0	1.9341E-07	1.2894E-05
504	570830.55,	0	0	0	0	0	0	0	0	0	2.84079E-07	1.89386E-05
505	570950.55,	0	0	0	0	0	0	0	0	0	1.08443E-06	7.2295E-05
506	570990.55,	0	0	0	0	0	0	0	0	0	5.4166E-07	3.61107E-05
507	571030.55,	0	0	0	0	0	0	0	0	0	3.99049E-07	2.66033E-05
508	571070.55,	0	0	0	0	0	0	0	0	0	2.74038E-07	1.82692E-05
509	571110.55,	0	0	0	0	0	0	0	0	0	1.93585E-07	1.29056E-05
510	571150.55,	0	0	0	0	0	0	0	0	0	1.32103E-07	8.80686E-06
511	571190.55,	0	0	0	0	0	0	0	0	0	1.00716E-07	6.71438E-06
512	571230.55,	0	0	0	0	0	0	0	0	0	1.23813E-07	8.2542E-06
513	571270.55,	0	0	0	0	0	0	0	0	0	9.33475E-08	6.22317E-06

514	571310.55,	0	0	0	0	0	0	0	0	0	1.03866E-07	6.92437E-06
515	571350.55,	0	0	0	0	0	0	0	0	0	1.18524E-07	7.90161E-06
516	571390.55,	0	0	0	0	0	0	0	0	0	9.62534E-08	6.4169E-06
517	571430.55,	0	0	0	0	0	0	0	0	0	7.72632E-08	5.15088E-06
518	571470.55,	0	0	0	0	0	0	0	0	0	8.05903E-08	5.37269E-06
519	571510.55,	0	0	0	0	0	0	0	0	0	7.37831E-08	4.91887E-06
520	571550.55,	0	0	0	0	0	0	0	0	0	5.57243E-08	3.71495E-06
521	571590.55,	0	0	0	0	0	0	0	0	0	3.60268E-08	2.40179E-06
522	570310.55,	0	0	0	0	0	0	0	0	0	4.45306E-08	2.96871E-06
523	570350.55,	0	0	0	0	0	0	0	0	0	4.55388E-08	3.03592E-06
524	570390.55,	0	0	0	0	0	0	0	0	0	4.6786E-08	3.11907E-06
525	570430.55,	0	0	0	0	0	0	0	0	0	5.17901E-08	3.45267E-06
526	570470.55,	0	0	0	0	0	0	0	0	0	5.75788E-08	3.83858E-06
527	570510.55,	0	0	0	0	0	0	0	0	0	6.42992E-08	4.28661E-06
528	570550.55,	0	0	0	0	0	0	0	0	0	7.17426E-08	4.78284E-06
529	570590.55,	0	0	0	0	0	0	0	0	0	8.18771E-08	5.45847E-06
530	570630.55,	0	0	0	0	0	0	0	0	0	9.42676E-08	6.28451E-06
531	570670.55,	0	0	0	0	0	0	0	0	0	1.12006E-07	7.4671E-06
532	570710.55,	0	0	0	0	0	0	0	0	0	1.3382E-07	8.92133E-06
533	570750.55,	0	0	0	0	0	0	0	0	0	1.51701E-07	1.01134E-05
534	570790.55,	0	0	0	0	0	0	0	0	0	1.69349E-07	1.12899E-05
535	570830.55,	0	0	0	0	0	0	0	0	0	2.3512E-07	1.56747E-05
536	570870.55,	0	0	0	0	0	0	0	0	0	3.11415E-07	2.0761E-05
537	570910.55,	0	0	0	0	0	0	0	0	0	4.89943E-07	3.26629E-05
538	570950.55,	0	0	0	0	0	0	0	0	0	3.91239E-07	2.60826E-05
539	570990.55,	0	0	0	0	0	0	0	0	0	3.03814E-07	2.02542E-05
540	571030.55,	0	0	0	0	0	0	0	0	0	2.79173E-07	1.86115E-05
541	571070.55,	0	0	0	0	0	0	0	0	0	2.06917E-07	1.37944E-05
542	571110.55,	0	0	0	0	0	0	0	0	0	1.72666E-07	1.15111E-05
543	571150.55,	0	0	0	0	0	0	0	0	0	1.20199E-07	8.01329E-06
544	571190.55,	0	0	0	0	0	0	0	0	0	9.93842E-08	6.62561E-06
545	571230.55,	0	0	0	0	0	0	0	0	0	1.04468E-07	6.96454E-06
546	571270.55,	0	0	0	0	0	0	0	0	0	9.47543E-08	6.31695E-06
547	571310.55,	0	0	0	0	0	0	0	0	0	6.80815E-08	4.53876E-06
548	571350.55,	0	0	0	0	0	0	0	0	0	8.84443E-08	5.89629E-06
549	571390.55,	0	0	0	0	0	0	0	0	0	9.92778E-08	6.61852E-06
550	571430.55,	0	0	0	0	0	0	0	0	0	8.04688E-08	5.36459E-06
551	571470.55,	0	0	0	0	0	0	0	0	0	6.83689E-08	4.55793E-06
552	571510.55,	0	0	0	0	0	0	0	0	0	6.5722E-08	4.38147E-06
553	571550.55,	0	0	0	0	0	0	0	0	0	6.62865E-08	4.4191E-06
554	571590.55,	0	0	0	0	0	0	0	0	0	5.53611E-08	3.69074E-06
555	570310.55,	0	0	0	0	0	0	0	0	0	4.18232E-08	2.78821E-06
556	570350.55,	0	0	0	0	0	0	0	0	0	4.60258E-08	3.06838E-06
557	570390.55,	0	0	0	0	0	0	0	0	0	5.01868E-08	3.34579E-06
558	570430.55,	0	0	0	0	0	0	0	0	0	5.3998E-08	3.59987E-06
559	570470.55,	0	0	0	0	0	0	0	0	0	5.87578E-08	3.91719E-06
560	570510.55,	0	0	0	0	0	0	0	0	0	6.38742E-08	4.25828E-06

561	570550.55,	0	0	0	0	0	0	0	0	0	7.42638E-08	4.95092E-06
562	570590.55,	0	0	0	0	0	0	0	0	0	8.29525E-08	5.53017E-06
563	570630.55,	0	0	0	0	0	0	0	0	0	9.72257E-08	6.48171E-06
564	570670.55,	0	0	0	0	0	0	0	0	0	1.1379E-07	7.58603E-06
565	570710.55,	0	0	0	0	0	0	0	0	0	1.26622E-07	8.44147E-06
566	570750.55,	0	0	0	0	0	0	0	0	0	1.3205E-07	8.80335E-06
567	570790.55,	0	0	0	0	0	0	0	0	0	1.39516E-07	9.30106E-06
568	570830.55,	0	0	0	0	0	0	0	0	0	1.75642E-07	1.17094E-05
569	570870.55,	0	0	0	0	0	0	0	0	0	2.36782E-07	1.57854E-05
570	570910.55,	0	0	0	0	0	0	0	0	0	2.57824E-07	1.71883E-05
571	570950.55,	0	0	0	0	0	0	0	0	0	2.37148E-07	1.58099E-05
572	570990.55,	0	0	0	0	0	0	0	0	0	1.92937E-07	1.28625E-05
573	571030.55,	0	0	0	0	0	0	0	0	0	1.67811E-07	1.11874E-05
574	571070.55,	0	0	0	0	0	0	0	0	0	1.84682E-07	1.23121E-05
575	571110.55,	0	0	0	0	0	0	0	0	0	1.4118E-07	9.41201E-06
576	571150.55,	0	0	0	0	0	0	0	0	0	1.39559E-07	9.30397E-06
577	571190.55,	0	0	0	0	0	0	0	0	0	8.93846E-08	5.95897E-06
578	571230.55,	0	0	0	0	0	0	0	0	0	8.54987E-08	5.69991E-06
579	571270.55,	0	0	0	0	0	0	0	0	0	9.36483E-08	6.24322E-06
580	571310.55,	0	0	0	0	0	0	0	0	0	7.13901E-08	4.75934E-06
581	571350.55,	0	0	0	0	0	0	0	0	0	6.32196E-08	4.21464E-06
582	571390.55,	0	0	0	0	0	0	0	0	0	7.67478E-08	5.11652E-06
583	571430.55,	0	0	0	0	0	0	0	0	0	8.40807E-08	5.60538E-06
584	571470.55,	0	0	0	0	0	0	0	0	0	6.78169E-08	4.52113E-06
585	571510.55,	0	0	0	0	0	0	0	0	0	6.06072E-08	4.04048E-06
586	571550.55,	0	0	0	0	0	0	0	0	0	5.30863E-08	3.53909E-06
587	571590.55,	0	0	0	0	0	0	0	0	0	5.8082E-08	3.87213E-06
588	570310.55,	0	0	0	0	0	0	0	0	0	4.41643E-08	2.94429E-06
589	570350.55,	0	0	0	0	0	0	0	0	0	4.67655E-08	3.1177E-06
590	570390.55,	0	0	0	0	0	0	0	0	0	4.98288E-08	3.32192E-06
591	570430.55,	0	0	0	0	0	0	0	0	0	5.31119E-08	3.54079E-06
592	570470.55,	0	0	0	0	0	0	0	0	0	6.04454E-08	4.02969E-06
593	570510.55,	0	0	0	0	0	0	0	0	0	6.83064E-08	4.55376E-06
594	570550.55,	0	0	0	0	0	0	0	0	0	7.28834E-08	4.85889E-06
595	570590.55,	0	0	0	0	0	0	0	0	0	8.54628E-08	5.69752E-06
596	570630.55,	0	0	0	0	0	0	0	0	0	9.96697E-08	6.64465E-06
597	570670.55,	0	0	0	0	0	0	0	0	0	1.08739E-07	7.24929E-06
598	570710.55,	0	0	0	0	0	0	0	0	0	1.09788E-07	7.31919E-06
599	570750.55,	0	0	0	0	0	0	0	0	0	1.15496E-07	7.6997E-06
600	570790.55,	0	0	0	0	0	0	0	0	0	1.21451E-07	8.09674E-06
601	570830.55,	0	0	0	0	0	0	0	0	0	1.4699E-07	9.79934E-06
602	570870.55,	0	0	0	0	0	0	0	0	0	1.64788E-07	1.09858E-05
603	570910.55,	0	0	0	0	0	0	0	0	0	1.72911E-07	1.15274E-05
604	570950.55,	0	0	0	0	0	0	0	0	0	1.64644E-07	1.09763E-05
605	570990.55,	0	0	0	0	0	0	0	0	0	1.59342E-07	1.06228E-05
606	571030.55,	0	0	0	0	0	0	0	0	0	1.33916E-07	8.92771E-06
607	571070.55,	0	0	0	0	0	0	0	0	0	1.20813E-07	8.0542E-06

608	571110.55,	0	0	0	0	0	0	0	0	0	1.35079E-07	9.00526E-06
609	571150.55,	0	0	0	0	0	0	0	0	0	1.10556E-07	7.37043E-06
610	571190.55,	0	0	0	0	0	0	0	0	0	1.11248E-07	7.41654E-06
611	571230.55,	0	0	0	0	0	0	0	0	0	8.892E-08	5.928E-06
612	571270.55,	0	0	0	0	0	0	0	0	0	8.41404E-08	5.60936E-06
613	571310.55,	0	0	0	0	0	0	0	0	0	7.33645E-08	4.89097E-06
614	571350.55,	0	0	0	0	0	0	0	0	0	5.71792E-08	3.81195E-06
615	571390.55,	0	0	0	0	0	0	0	0	0	5.32492E-08	3.54995E-06
616	571430.55,	0	0	0	0	0	0	0	0	0	6.8357E-08	4.55713E-06
617	571470.55,	0	0	0	0	0	0	0	0	0	7.27539E-08	4.85026E-06
618	571510.55,	0	0	0	0	0	0	0	0	0	5.82141E-08	3.88094E-06
619	571550.55,	0	0	0	0	0	0	0	0	0	5.39576E-08	3.59717E-06
620	571590.55,	0	0	0	0	0	0	0	0	0	4.59915E-08	3.0661E-06
621	570310.55,	0	0	0	0	0	0	0	0	0	4.29165E-08	2.8611E-06
622	570350.55,	0	0	0	0	0	0	0	0	0	4.52679E-08	3.01786E-06
623	570390.55,	0	0	0	0	0	0	0	0	0	5.05084E-08	3.36723E-06
624	570430.55,	0	0	0	0	0	0	0	0	0	5.72224E-08	3.81483E-06
625	570470.55,	0	0	0	0	0	0	0	0	0	6.19177E-08	4.12784E-06
626	570510.55,	0	0	0	0	0	0	0	0	0	6.45839E-08	4.30559E-06
627	570550.55,	0	0	0	0	0	0	0	0	0	7.76095E-08	5.17397E-06
628	570590.55,	0	0	0	0	0	0	0	0	0	8.89755E-08	5.9317E-06
629	570630.55,	0	0	0	0	0	0	0	0	0	9.48366E-08	6.32244E-06
630	570670.55,	0	0	0	0	0	0	0	0	0	9.29256E-08	6.19504E-06
631	570710.55,	0	0	0	0	0	0	0	0	0	9.9562E-08	6.63747E-06
632	570750.55,	0	0	0	0	0	0	0	0	0	1.01173E-07	6.7449E-06
633	570790.55,	0	0	0	0	0	0	0	0	0	1.05618E-07	7.0412E-06
634	570830.55,	0	0	0	0	0	0	0	0	0	1.14978E-07	7.66522E-06
635	570870.55,	0	0	0	0	0	0	0	0	0	1.22476E-07	8.16508E-06
636	570910.55,	0	0	0	0	0	0	0	0	0	1.27134E-07	8.47559E-06
637	570950.55,	0	0	0	0	0	0	0	0	0	1.27973E-07	8.53156E-06
638	570990.55,	0	0	0	0	0	0	0	0	0	1.28261E-07	8.55075E-06
639	571030.55,	0	0	0	0	0	0	0	0	0	1.28294E-07	8.55295E-06
640	571070.55,	0	0	0	0	0	0	0	0	0	9.30783E-08	6.20522E-06
641	571110.55,	0	0	0	0	0	0	0	0	0	1.05879E-07	7.05859E-06
642	571150.55,	0	0	0	0	0	0	0	0	0	1.05407E-07	7.02712E-06
643	571190.55,	0	0	0	0	0	0	0	0	0	9.0719E-08	6.04793E-06
644	571230.55,	0	0	0	0	0	0	0	0	0	8.98213E-08	5.98809E-06
645	571270.55,	0	0	0	0	0	0	0	0	0	8.21169E-08	5.47446E-06
646	571310.55,	0	0	0	0	0	0	0	0	0	7.39448E-08	4.92965E-06
647	571350.55,	0	0	0	0	0	0	0	0	0	5.71613E-08	3.81075E-06
648	571390.55,	0	0	0	0	0	0	0	0	0	4.44046E-08	2.96031E-06
649	571430.55,	0	0	0	0	0	0	0	0	0	4.51077E-08	3.00718E-06
650	571470.55,	0	0	0	0	0	0	0	0	0	6.19618E-08	4.13079E-06
651	571510.55,	0	0	0	0	0	0	0	0	0	6.42345E-08	4.2823E-06
652	571550.55,	0	0	0	0	0	0	0	0	0	5.11507E-08	3.41005E-06
653	571590.55,	0	0	0	0	0	0	0	0	0	4.82043E-08	3.21362E-06
654	570310.55,	0	0	0	0	0	0	0	0	0	4.29868E-08	2.86579E-06

655	570350.55,	0	0	0	0	0	0	0	0	0	4.87595E-08	3.25063E-06
656	570390.55,	0	0	0	0	0	0	0	0	0	5.31429E-08	3.54286E-06
657	570430.55,	0	0	0	0	0	0	0	0	0	5.53074E-08	3.68716E-06
658	570470.55,	0	0	0	0	0	0	0	0	0	5.90014E-08	3.93343E-06
659	570510.55,	0	0	0	0	0	0	0	0	0	7.10286E-08	4.73524E-06
660	570550.55,	0	0	0	0	0	0	0	0	0	7.99939E-08	5.33293E-06
661	570590.55,	0	0	0	0	0	0	0	0	0	8.33434E-08	5.55623E-06
662	570630.55,	0	0	0	0	0	0	0	0	0	7.96074E-08	5.30716E-06
663	570670.55,	0	0	0	0	0	0	0	0	0	8.73247E-08	5.82165E-06
664	570710.55,	0	0	0	0	0	0	0	0	0	8.68127E-08	5.78751E-06
665	570750.55,	0	0	0	0	0	0	0	0	0	9.00106E-08	6.00071E-06
666	570790.55,	0	0	0	0	0	0	0	0	0	8.91309E-08	5.94206E-06
667	570830.55,	0	0	0	0	0	0	0	0	0	1.00459E-07	6.69725E-06
668	570870.55,	0	0	0	0	0	0	0	0	0	9.30703E-08	6.20469E-06
669	570910.55,	0	0	0	0	0	0	0	0	0	9.79249E-08	6.52832E-06
670	570950.55,	0	0	0	0	0	0	0	0	0	1.02716E-07	6.84771E-06
671	570990.55,	0	0	0	0	0	0	0	0	0	1.00379E-07	6.69193E-06
672	571030.55,	0	0	0	0	0	0	0	0	0	1.17723E-07	7.84823E-06
673	571070.55,	0	0	0	0	0	0	0	0	0	9.27554E-08	6.1837E-06
674	571110.55,	0	0	0	0	0	0	0	0	0	7.81127E-08	5.20751E-06
675	571150.55,	0	0	0	0	0	0	0	0	0	9.3087E-08	6.2058E-06
676	571190.55,	0	0	0	0	0	0	0	0	0	8.6005E-08	5.73367E-06
677	571230.55,	0	0	0	0	0	0	0	0	0	7.7157E-08	5.1438E-06
678	571270.55,	0	0	0	0	0	0	0	0	0	7.33987E-08	4.89324E-06
679	571310.55,	0	0	0	0	0	0	0	0	0	7.3169E-08	4.87793E-06
680	571350.55,	0	0	0	0	0	0	0	0	0	5.92412E-08	3.94941E-06
681	571390.55,	0	0	0	0	0	0	0	0	0	4.84897E-08	3.23265E-06
682	571430.55,	0	0	0	0	0	0	0	0	0	3.44311E-08	2.2954E-06
683	571470.55,	0	0	0	0	0	0	0	0	0	4.25301E-08	2.83534E-06
684	571510.55,	0	0	0	0	0	0	0	0	0	5.6602E-08	3.77346E-06
685	571550.55,	0	0	0	0	0	0	0	0	0	5.7519E-08	3.8346E-06
686	571590.55,	0	0	0	0	0	0	0	0	0	4.57309E-08	3.04873E-06
687	570310.55,	0	0	0	0	0	0	0	0	0	4.61137E-08	3.07425E-06
688	570350.55,	0	0	0	0	0	0	0	0	0	4.85255E-08	3.23503E-06
689	570390.55,	0	0	0	0	0	0	0	0	0	4.87881E-08	3.25254E-06
690	570430.55,	0	0	0	0	0	0	0	0	0	5.54415E-08	3.6961E-06
691	570470.55,	0	0	0	0	0	0	0	0	0	6.52472E-08	4.34982E-06
692	570510.55,	0	0	0	0	0	0	0	0	0	7.2279E-08	4.8186E-06
693	570550.55,	0	0	0	0	0	0	0	0	0	7.37919E-08	4.91946E-06
694	570590.55,	0	0	0	0	0	0	0	0	0	6.92419E-08	4.61613E-06
695	570630.55,	0	0	0	0	0	0	0	0	0	7.77492E-08	5.18328E-06
696	570670.55,	0	0	0	0	0	0	0	0	0	7.72009E-08	5.14673E-06
697	570710.55,	0	0	0	0	0	0	0	0	0	7.90112E-08	5.26742E-06
698	570750.55,	0	0	0	0	0	0	0	0	0	7.63822E-08	5.09214E-06
699	570790.55,	0	0	0	0	0	0	0	0	0	8.09026E-08	5.3935E-06
700	570830.55,	0	0	0	0	0	0	0	0	0	8.63819E-08	5.75879E-06
701	570870.55,	0	0	0	0	0	0	0	0	0	8.3638E-08	5.57587E-06

702	570910.55,	0	0	0	0	0	0	0	0	0	7.90732E-08	5.27155E-06
703	570950.55,	0	0	0	0	0	0	0	0	0	8.45857E-08	5.63904E-06
704	570990.55,	0	0	0	0	0	0	0	0	0	7.23745E-08	4.82496E-06
705	571030.55,	0	0	0	0	0	0	0	0	0	1.00189E-07	6.67928E-06
706	571070.55,	0	0	0	0	0	0	0	0	0	9.37374E-08	6.24916E-06
707	571110.55,	0	0	0	0	0	0	0	0	0	6.92172E-08	4.61448E-06
708	571150.55,	0	0	0	0	0	0	0	0	0	6.8402E-08	4.56013E-06
709	571190.55,	0	0	0	0	0	0	0	0	0	8.20558E-08	5.47039E-06
710	571230.55,	0	0	0	0	0	0	0	0	0	7.22894E-08	4.81929E-06
711	571270.55,	0	0	0	0	0	0	0	0	0	6.70932E-08	4.47288E-06
712	571310.55,	0	0	0	0	0	0	0	0	0	6.10187E-08	4.06791E-06
713	571350.55,	0	0	0	0	0	0	0	0	0	6.44278E-08	4.29519E-06
714	571390.55,	0	0	0	0	0	0	0	0	0	5.64152E-08	3.76101E-06
715	571430.55,	0	0	0	0	0	0	0	0	0	4.14095E-08	2.76063E-06
716	571470.55,	0	0	0	0	0	0	0	0	0	3.12612E-08	2.08408E-06
717	571510.55,	0	0	0	0	0	0	0	0	0	4.02007E-08	2.68005E-06
718	571550.55,	0	0	0	0	0	0	0	0	0	5.18448E-08	3.45632E-06
719	571590.55,	0	0	0	0	0	0	0	0	0	5.19247E-08	3.46165E-06
720	570310.55,	0	0	0	0	0	0	0	0	0	4.3671E-08	2.9114E-06
721	570350.55,	0	0	0	0	0	0	0	0	0	4.57675E-08	3.05117E-06
722	570390.55,	0	0	0	0	0	0	0	0	0	5.24223E-08	3.49482E-06
723	570430.55,	0	0	0	0	0	0	0	0	0	6.04155E-08	4.0277E-06
724	570470.55,	0	0	0	0	0	0	0	0	0	6.55606E-08	4.37071E-06
725	570510.55,	0	0	0	0	0	0	0	0	0	6.56497E-08	4.37665E-06
726	570550.55,	0	0	0	0	0	0	0	0	0	6.20408E-08	4.13605E-06
727	570590.55,	0	0	0	0	0	0	0	0	0	6.97816E-08	4.65211E-06
728	570630.55,	0	0	0	0	0	0	0	0	0	6.97214E-08	4.64809E-06
729	570670.55,	0	0	0	0	0	0	0	0	0	6.96323E-08	4.64215E-06
730	570710.55,	0	0	0	0	0	0	0	0	0	6.95303E-08	4.63536E-06
731	570750.55,	0	0	0	0	0	0	0	0	0	6.63076E-08	4.42051E-06
732	570790.55,	0	0	0	0	0	0	0	0	0	7.46581E-08	4.97721E-06
733	570830.55,	0	0	0	0	0	0	0	0	0	7.15574E-08	4.77049E-06
734	570870.55,	0	0	0	0	0	0	0	0	0	7.51971E-08	5.01314E-06
735	570910.55,	0	0	0	0	0	0	0	0	0	6.84633E-08	4.56422E-06
736	570950.55,	0	0	0	0	0	0	0	0	0	7.51509E-08	5.01006E-06
737	570990.55,	0	0	0	0	0	0	0	0	0	6.19079E-08	4.12719E-06
738	571030.55,	0	0	0	0	0	0	0	0	0	8.03886E-08	5.35924E-06
739	571070.55,	0	0	0	0	0	0	0	0	0	9.12598E-08	6.08399E-06
740	571110.55,	0	0	0	0	0	0	0	0	0	7.06575E-08	4.7105E-06
741	571150.55,	0	0	0	0	0	0	0	0	0	5.09376E-08	3.39584E-06
742	571190.55,	0	0	0	0	0	0	0	0	0	6.29381E-08	4.19587E-06
743	571230.55,	0	0	0	0	0	0	0	0	0	7.26133E-08	4.84089E-06
744	571270.55,	0	0	0	0	0	0	0	0	0	6.20799E-08	4.13866E-06
745	571310.55,	0	0	0	0	0	0	0	0	0	5.90223E-08	3.93482E-06
746	571350.55,	0	0	0	0	0	0	0	0	0	5.8203E-08	3.8802E-06
747	571390.55,	0	0	0	0	0	0	0	0	0	5.51419E-08	3.67613E-06
748	571430.55,	0	0	0	0	0	0	0	0	0	5.2736E-08	3.51573E-06

749	571470.55,	0	0	0	0	0	0	0	0	0	4.26494E-08	2.84329E-06
750	571510.55,	0	0	0	0	0	0	0	0	0	2.96984E-08	1.97989E-06
751	571550.55,	0	0	0	0	0	0	0	0	0	3.77988E-08	2.51992E-06
752	571590.55,	0	0	0	0	0	0	0	0	0	4.74925E-08	3.16616E-06
753	570839.17,	0	0	0	0	0	0	0	0	0	2.00119E-06	0.000133413
754	570839.17,	0	0	0	0	0	0	0	0	0	4.58905E-06	0.000305937
755	570879.17,	0	0	0	0	0	0	0	0	0	7.19356E-07	4.79571E-05
756	570879.17,	0	0	0	0	0	0	0	0	0	6.32007E-06	0.000421338
757	570879.17,	0	0	0	0	0	0	0	0	0	7.82022E-07	5.21348E-05
758	570879.17,	0	0	0	0	0	0	0	0	0	5.38619E-06	0.000359079
759	570879.17,	0	0	0	0	0	0	0	0	0	5.58321E-07	3.72214E-05
760	570919.17,	0	0	0	0	0	0	0	0	0	2.38784E-07	1.5919E-05
761	570919.17,	0	0	0	0	0	0	0	0	0	4.91448E-07	3.27632E-05
762	570919.17,	0	0	0	0	0	0	0	0	0	1.52015E-06	0.000101344
763	570919.17,	0	0	0	0	0	0	0	0	0	5.60404E-06	0.000373602
764	570919.17,	0	0	0	0	0	0	0	0	0	7.75192E-07	5.16794E-05
765	570919.17,	0	0	0	0	0	0	0	0	0	4.01894E-06	0.000267929
766	570959.17,	0	0	0	0	0	0	0	0	0	1.82481E-07	1.21654E-05
767	570959.17,	0	0	0	0	0	0	0	0	0	2.07964E-07	1.38643E-05
768	570959.17,	0	0	0	0	0	0	0	0	0	3.38572E-07	2.25715E-05
769	570959.17,	0	0	0	0	0	0	0	0	0	6.6465E-07	4.431E-05
770	570959.17,	0	0	0	0	0	0	0	0	0	2.2729E-06	0.000151527
771	570959.17,	0	0	0	0	0	0	0	0	0	6.04971E-06	0.000403314
772	570999.17,	0	0	0	0	0	0	0	0	0	4.67276E-07	3.11517E-05
773	570999.17,	0	0	0	0	0	0	0	0	0	3.0576E-07	2.0384E-05
774	570999.17,	0	0	0	0	0	0	0	0	0	2.20669E-07	1.47113E-05
775	570999.17,	0	0	0	0	0	0	0	0	0	2.30216E-07	1.53477E-05
776	570999.17,	0	0	0	0	0	0	0	0	0	3.63462E-07	2.42308E-05
777	570999.17,	0	0	0	0	0	0	0	0	0	6.74865E-07	4.4991E-05
778	571039.17,	0	0	0	0	0	0	0	0	0	1.04088E-06	6.9392E-05
779	571039.17,	0	0	0	0	0	0	0	0	0	2.0092E-06	0.000133947
780	571039.17,	0	0	0	0	0	0	0	0	0	5.25598E-07	3.50398E-05
781	571039.17,	0	0	0	0	0	0	0	0	0	3.28413E-07	2.18942E-05
782	571039.17,	0	0	0	0	0	0	0	0	0	2.28123E-07	1.52082E-05
783	571039.17,	0	0	0	0	0	0	0	0	0	2.25909E-07	1.50606E-05
784	571079.17,	0	0	0	0	0	0	0	0	0	1.21054E-06	8.07026E-05
785	571079.17,	0	0	0	0	0	0	0	0	0	1.74563E-06	0.000116375
786	571079.17,	0	0	0	0	0	0	0	0	0	1.38321E-06	9.22141E-05
787	571079.17,	0	0	0	0	0	0	0	0	0	5.13193E-07	3.42129E-05
788	571079.17,	0	0	0	0	0	0	0	0	0	3.02857E-07	2.01905E-05
789	571119.17,	0	0	0	0	0	0	0	0	0	2.61934E-06	0.000174623
790	571119.17,	0	0	0	0	0	0	0	0	0	6.58557E-06	0.000439038
791	571119.17,	0	0	0	0	0	0	0	0	0	8.78587E-07	5.85725E-05
792	571159.17,	0	0	0	0	0	0	0	0	0	5.76528E-06	0.000384352
793	570808.82,	0	0	0	0	0	0	0	0	0	1.12385E-06	7.49235E-05
794	570823.91,	0	0	0	0	0	0	0	0	0	3.06966E-07	2.04644E-05
795	570883.31,	0	0	0	0	0	0	0	0	0	3.82415E-07	2.54943E-05

796	571181.45,	0	0	0	0	0	0	0	0	0	3.26596E-06	0.000217731
797	571067.83,	0	0	0	0	0	0	0	0	0	8.41984E-07	5.61323E-05
798	570799.89,	0	0	0	0	0	0	0	0	0	5.51907E-07	3.67938E-05

	Trenching	Grading	Stockpile
Emissions Rate (g/s):	8.41963E-11	7.48E-10	1.05E-10

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	0.07	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	0.07	10	2	70	0.85
2<9	861	1	0.854795	0.000001	0.07	3	0.55	70	0.72
Student	640	1	0.493151	0.000001	0.07	3	2.8	70	1
Worker	230	1	0.684932	0.000001	0.07	1	2.8	70	1

2,4,6-Trichlorophenol

	Chronic (Annu	Acute (1hr)	8hr
REL:	1	1	1

													Concentration (µg/m^3)			Unmitigated										Student		Worker	
				Concentration [µg/m^3] at 1 g/s									Unmitigated			Residential Dose			Risk by Age Group				Unmitigated			Unmitigated		Unmitigated	
#	X	Y	X,Y	Trenching Period	Grading Period	Stockpile Period	Treching 1hr	Grading 1hr	Stockpile 1hr	Trenching 8hr	Grading 8hr	Stockpile 8hr	Period Tota	1hr Total	8hr Total	3rd	0<2	2<9	3rd	0<2	2<9	Total Risk	Chronic	Acute	8hr	Dose	Risk	Dose	Risk
1	570310.6	4177919	0.55, 41779	0.08215	0.06425	0.08047	53.98877	25.74637	57.86027	6.7486	3.78109	7.23253	6.34E-11	2.99E-08	6.38E-09	1.96E-14	5.91E-14	4.67E-14	4.16E-17	1E-15	5.55E-17	1.10164E-15	6.342E-11	2.9885E-08	6.38E-09	2.00177E-14	1.68149E-16	9.99148E-15	2.79761E-17
2	570350.6	4177919	0.55, 41779	0.08744	0.06946	0.0859	61.34869	26.43683	62.74615	7.66859	3.66465	7.84327	6.83E-11	3.15E-08	7.2E-09	2.11E-14	6.37E-14	5.03E-14	4.48E-17	1.08E-15	5.97E-17	1.18696E-15	6.834E-11	3.1535E-08	7.2E-09	2.15681E-14	1.81172E-16	1.07653E-14	3.01429E-17
3	570390.6	4177919	0.55, 41779	0.09273	0.07514	0.09126	67.57642	27.23616	68.95787	8.44705	3.80844	8.61973	7.36E-11	3.33E-08	7.93E-09	2.27E-14	6.86E-14	5.42E-14	4.83E-17	1.17E-15	6.43E-17	1.27826E-15	7.359E-11	3.3311E-08	7.93E-09	2.32271E-14	1.95108E-16	1.15934E-14	3.24615E-17
4	570430.6	4177919	0.55, 41779	0.09799	0.08123	0.09661	71.34976	28.07066	72.35504	8.91872	4.01428	9.04438	7.92E-11	3.46E-08	8.37E-09	2.44E-14	7.37E-14	5.83E-14	5.19E-17	1.25E-15	6.92E-17	1.37483E-15	7.915E-11	3.461E-08	8.37E-09	2.49817E-14	2.09846E-16	1.24692E-14	3.49137E-17
5	570470.6	4177919	0.55, 41779	0.10292	0.08757	0.10182	71.34124	28.88227	71.18869	8.91766	4.18506	8.89859	8.49E-11	3.51E-08	8.35E-09	2.62E-14	7.91E-14	6.25E-14	5.56E-17	1.34E-15	7.42E-17	1.4739E-15	8.486E-11	3.5094E-08	8.35E-09	2.67819E-14	2.24968E-16	1.33677E-14	3.74295E-17
6	570510.6	4177919	0.55, 41779	0.10719	0.09397	0.10631	70.57748	29.51269	72.86498	8.82218	4.31581	9.10812	9.05E-11	3.57E-08	8.3E-09	2.79E-14	8.43E-14	6.66E-14	5.93E-17	1.43E-15	7.91E-17	1.57146E-15	9.047E-11	3.5677E-08	8.3E-09	2.85548E-14	2.3986E-16	1.42526E-14	3.99073E-17
7	570550.6	4177919	0.55, 41779	0.11095	0.10041	0.10942	80.02506	30.00614	83.29269	10.00313	4.88273	10.41159	9.59E-11	3.79E-08	9.42E-09	2.96E-14	8.94E-14	7.06E-14	6.29E-17	1.52E-15	8.39E-17	1.66628E-15	9.593E-11	3.7939E-08	9.42E-09	3.02777E-14	2.54333E-16	1.51126E-14	4.23152E-17
8	570590.6	4177919	0.55, 41779	0.11537	0.10684	0.11183	81.14556	31.22548	84.40479	10.14319	5.49199	10.5506	1.01E-10	3.91E-08	9.55E-09	3.13E-14	9.44E-14	7.46E-14	6.65E-17	1.61E-15	8.86E-17	1.76066E-15	1.014E-10	3.9062E-08	9.55E-09	3.19926E-14	2.68737E-16	1.59685E-14	4.47118E-17
9	570630.6	4177919	0.55, 41779	0.12154	0.11343	0.11602	82.02682	32.76834	84.97635	10.54682	6.07261	10.62204	1.07E-10	4.03E-08	9.89E-09	3.31E-14	9.99E-14	7.89E-14	7.03E-17	1.7E-15	9.38E-17	1.86292E-15	1.073E-10	4.035E-08	9.89E-09	3.38508E-14	2.84347E-16	1.6896E-14	4.73088E-17
10	570670.6	4177919	0.55, 41779	0.12896	0.11974	0.12346	90.28793	34.09351	94.2666	12.11861	6.60764	13.84836	1.13E-10	4.3E-08	1.15E-08	3.5E-14	1.06E-13	8.34E-14	7.43E-17	1.8E-15	9.91E-17	1.96932E-15	1.134E-10	4.3014E-08	1.15E-08	3.57841E-14	3.00587E-16	1.7861E-14	5.00108E-17
11	570710.6	4177919	0.55, 41779	0.13589	0.12543	0.13131	92.03158	38.34133	98.54944	11.50395	7.03486	13.72911	1.19E-10	4.68E-08	1.1E-08	3.67E-14	1.11E-13	8.76E-14	7.81E-17	1.89E-15	1.04E-16	2.0677E-15	1.19E-10	4.6788E-08	1.1E-08	3.75718E-14	3.15603E-16	1.87533E-14	5.25092E-17
12	570750.6	4177919	0.55, 41779	0.14097	0.13029	0.13561	98.93292	42.68075	106.54938	12.36662	7.25038	14.15663	1.24E-10	5.15E-08	1.18E-08	3.81E-14	1.15E-13	9.09E-14	8.1E-17	1.96E-15	1.08E-16	2.14611E-15	1.236E-10	5.1455E-08	1.18E-08	3.89965E-14	3.2757E-16	1.94644E-14	5.45003E-17
13	570790.6	4177919	0.55, 41779	0.1434	0.13429	0.137	101.78306	44.96916	112.12821	12.72288	7.16867	14.01603	1.27E-10	5.4E-08	1.21E-08	3.92E-14	1.18E-13	9.34E-14	8.32E-17	2.01E-15	1.11E-16	2.20415E-15	1.269E-10	5.3993E-08	1.21E-08	4.00511E-14	3.3643E-16	1.99908E-14	5.59742E-17
14	570830.6	4177919	0.55, 41779	0.14249	0.1373	0.1371	103.05806	46.92439	113.14313	12.88226	6.63254	14.14289	1.29E-10	5.57E-08	1.22E-08	3.98E-14	1.2E-13	9.5E-14	8.46E-17	2.04E-15	1.13E-16	2.24209E-15	1.291E-10	5.5669E-08	1.22E-08	4.07406E-14	3.42221E-16	2.03349E-14	5.69378E-17
15	570870.6	4177919	0.55, 41779	0.13915	0.13926	0.13269	113.81753	49.41272	127.10432	14.22719	6.17659	15.88804	1.3E-10	5.99E-08	1.35E-08	4.01E-14	1.21E-13	9.55E-14	8.51E-17	2.06E-15	1.13E-16	2.2546E-15	1.298E-10	5.9905E-08	1.35E-08	4.09679E-14	3.4413E-16	2.04484E-14	5.72554E-17
16	570910.6	4177919	0.55, 41779	0.13537	0.14116	0.12571	103.09741	52.00284	118.27061	16.13684	6.50036	14.78383	1.3E-10	6E-08	1.5E-08	4.02E-14	1.21E-13	9.58E-14	8.54E-17	2.06E-15	1.14E-16	2.26098E-15	1.302E-10	6.0009E-08	1.5E-08	4.10839E-14	3.45105E-16	2.05063E-14	5.74176E-17
17	570950.6	4177919	0.55, 41779	0.13129	0.14261	0.12523	128.63222	54.75687	154.09416	19.7206	7.6051	23.34348	1.31E-10	6.8E-08	1.89E-08	4.04E-14	1.22E-13	9.63E-14	8.58E-17	2.07E-15	1.14E-16	2.27297E-15	1.309E-10	6.7989E-08	1.89E-08	4.13017E-14	3.46934E-16	2.0615E-14	5.7722E-17
18	570990.6	4177919	0.55, 41779	0.12715	0.1442	0.12572	126.51514	58.01026	163.29109	18.07359	9.36612	23.3273	1.32E-10	7.12E-08	1.75E-08	4.07E-14	1.23E-13	9.7E-14	8.64E-17	2.09E-15	1.15E-16	2.28846E-15	1.318E-10	7.1211E-08	1.75E-08	4.15832E-14	3.49299E-16	2.07555E-14	5.81154E-17
19	571030.6	4177919	0.55, 41779	0.12254	0.14609	0.11762	125.39004	62.99788	174.41478	17.19472	10.49965	21.80185	1.32E-10	7.6E-08	1.66E-08	4.07E-14	1.23E-13	9.71E-14	8.65E-17	2.09E-15	1.15E-16	2.29146E-15	1.319E-10	7.6016E-08	1.66E-08	4.16376E-14	3.49756E-16	2.07827E-14	5.81915E-17
20	571070.6	4177919	0.55, 41779	0.1201	0.14847	0.1104	126.80092	67.58831	177.9713	16.22667	10.87469	22.24641	1.33E-10	7.99E-08	1.58E-08	4.1E-14	1.24E-13	9.77E-14	8.7E-17	2.1E-15	1.16E-16	2.3056E-15	1.327E-10	7.9941E-08	1.58E-08	4.18946E-14	3.51915E-16	2.09109E-14	5.85506E-17
21	571110.6	4177919	0.55, 41779	0.1205	0.15044	0.10927	126.62476	68.47754	165.66905	20.2586	9.61445	20.70863	1.34E-10	7.93E-08	1.9E-08	4.14E-14	1.25E-13	9.87E-14	8.8E-17	2.12E-15	1.17E-16	2.3297E-15	1.341E-10	7.9296E-08	1.9E-08	4.23326E-14	3.55593E-16	2.11295E-14	5.91627E-17
22	571150.6	4177919	0.55, 41779	0.1212	0.15159	0.11602	131.66409	62.22893	172.39569	21.10658	9.19459	24.99313	1.36E-10	7.58E-08	2.02E-08	4.19E-14	1.26E-13	9.99E-14	8.9E-17	2.15E-15	1.19E-16	2.358E-15	1.358E-10	7.5757E-08	2.02E-08	4.28468E-14	3.59913E-16	2.13862E-14	5.98813E-17
23	571190.6	4177919	0.55, 41779	0.12215	0.15198	0.11825	137.85581	66.48698	180.99172	19.69369	10.25241	26.94632	1.36E-10	8.04E-08	1.92E-08	4.21E-14	1.27E-13	1E-13	8.94E-17	2.16E-15	1.19E-16	2.36853E-15	1.364E-10	8.0366E-08	1.92E-08	4.30381E-14	3.6152E-16	2.14817E-14	6.01487E-17
24	571230.6	4177919	0.55, 41779	0.12354	0.15154	0.11348	148.65332	75.08948	179.38421	21.23619	9.50538	22.42303	1.36E-10	8.75E-08	2E-08	4.19E-14	1.26E-13	9.98E-14	8.89E-17	2.15E-15	1.19E-16	2.35613E-15	1.356E-10	8.7538E-08	2E-08	4.28128E-14	3.59627E-16	2.13692E-14	5.98338E-17
25	571270.6	4177919	0.55, 41779	0.12544	0.15047	0.11372	135.01221	73.55453	181.97135	18.66937	9.80753	25.99591	1.35E-10	8.55E-08	1.83E-08	4.17E-14	1.26E-13	9.94E-14	8.85E-17	2.14E-15	1.18E-16	2.34545E-15	1.35E-10	8.5514E-08	1.83E-08	4.26187E-14	3.57997E-16	2.12724E-14	5.95626E-17
26	571310.6	4177919	0.55, 41779	0.12844	0.14895	0.1185	144.25948	74.57026	160.72945	18.03243	9.63087	20.79832	1.35E-10	8.48E-08	1.72E-08	4.16E-14	1.25E-13	9.91E-14	8.83E-17	2.13E-15	1.18E-16	2.33884E-15	1.347E-10	8.4817E-08	1.72E-08	4.24985E-14	3.56988E-16	2.12124E-14	5.93947E-17
27	571350.6	4177919	0.55, 41779	0.13264	0.1484	0.12186	134.13439	65.82548	182.86761	16.7668	8.49886	22.85845	1.35E-10	7.98E-08	1.64E-08	4.16E-14	1.26E-13	9.93E-14	8.85E-17	2.14E-15	1.18E-16	2.34398E-15	1.349E-10	7.9756E-08	1.64E-08	4.2592E-14	3.57773E-16	2.1259E-14	5.95252E-17
28	571390.6	4177919	0.55, 41779	0.13487	0.1464	0.12015	140.45529	51.40311	177.22554	17.55691	7.98518	22.15319	1.33E-10	6.89E-08	1.69E-08	4.12E-14	1.24E-13	9.82E-14	8.75E-17	2.11E-15	1.17E-16	2.31814E-15	1.335E-10	6.8911E-08	1.69E-08	4.21225E-14	3.53829E-16	2.10247E-14	5.88691E-17
29	571430.6	4177919	0.55, 41779	0.14548	0.15293	0.12366	139.19794	49.3636	190.22803	17.39974	7.65374	23.7785	1.4E-10	6.86E-08	1.7E-08	4.31E-14	1.3E-13	1.03E-13	9.15E-17	2.21E-15	1.22E-16	2.42488E-15	1.396E-10	6.8649E-08	1.7E-08	4.4062E-14	3.7012E-16	2.19927E-14	6.15796E-17
30	571470.6	4177919	0.55, 41779	0.15916	0.16179	0.13045	134.87595	45.89373	190.37308	16.85949	6.86379	23.79664	1.48E-10	6.57E-08	1.65E-08	4.57E-14	1.38E-13	1.09E-13	9.71E-17	2.35E-15	1.29E-16	2.57236E-15	1.481E-10	6.5706E-08	1.65E-08	4.67418E-14	3.92631E-16	2.33303E-14	6.53249E-17
31	571510.6	4177919	0.55, 41779	0.17426	0.17151	0.14116	122.2315	42.4201	161.48029	15.27894	5.85942	20.18504	1.58E-10	5.9E-08	1.48E-08	4.87E-14	1.47E-13	1.16E-13	1.03E-16	2.5E-15	1.38E-16	2.74025E-15	1.578E-10	5.9003E-08	1.48E-08	4.97926E-14	4.18257E-16	2.48531E-14	6.95885E-17
32	571550.6	4177919	0.55, 41779	0.18787	0.18026	0.15558	112.99449	35.73716	155.78517	14.12431	5.76206	19.47315	1.67E-10	5.26E-08	1.38E-08	5.15E-14	1.56E-13	1.23E-13	1.09E-16	2.64E-15	1.46E-16	2.90015E-15	1.67E-10	5.2629E-08	1.38E-08	5.2698E-14	4.42663E-16	2.63033E-14	7.36492E-17
33	571590.6	4177919	0.55, 41779	0.19949	0.18751	0.17419	94.68734	29.26563	123.69427	11.83592	5.30509	15.46178	1.75E-10	4.29E-08	1.15E-08	5.41E-14	1.63E-13	1.29E-13	1.15E-16	2.78E-15	1.53E-16	3.04531E-15	1.753E-10	4.2872E-08	1.15E-08	5.53358E-14	4.64821E-16	2.76199E-14	7.73357E-17
34	570310.6	4177959	0.55, 41779	0.08597	0.06676	0.0838	56.89619	26.25101	62.23098	7.11202	4.18522	7.77887	6.6E-11	3.1E-08	6.74E-09	2.04E-14	6.15E-14	4.86E-14	4.33E-17	1.04E-15	5.77E-17	1.14591E-15	6.597E-11	3.0967E-08	6.74E-09	2.08221E-14	1.74906E-16	1.0393E-14	2.91004E-17
35	570350.6	4177959	0.55, 41779	0.09204	0.07257	0.08995	58.96006	27.16756	63.77509	7.37001	4.19821	7.97189	7.15E-11	3.2E-08	6.97E-09	2.21E-14	6.66E-14	5.26E-14	4.69E-17	1.13E-15	6.25E-17	1.24148E-15	7.148E-11	3.1989E-08	6.97E-09	2.25588E-14	1.89494E-16	1.12598E-14	3.15275E-17
36	570390.6	4177959	0.55, 41779	0.09833	0.07904	0.09639	63.0038	28.02201	66.12463	7.87548	4.15896	8.26558	7.75E-11	3.32E-08	7.42E-09	2.39E-14	7.22E-14	5.71E-14	5.08E-17	1.23E-15	6.78E-17	1.34648E-15	7.752E-11	3.3215E-08	7.42E-09	2.44666E-14	2.0552E-16	1.22121E-14	3.41938E-17
37	570430.6	4177959	0.55, 41779	0.10461	0.08611	0.10266	70.72142	28.76698	72.80329	8.84018	4.23038	9.10041	8.4E-11	3.51E-08	8.31E-09	2.59E-14	7.83E-14	6.18E-14	5.51E-17	1.33E-15	7.34E-17	1.45894E-15	8.399E-11	3.5125E-08	8.31E-09	2.65102E-14	2.22685E-16	1.32321E-14	3.70498E-17
38	570470.6	4177959	0.55, 41779	0.11098	0.09385	0.10929	78.78718	29.82596	80.74124	9.8484	4.47695	10.09265	9.1E-11	3.74E-08	9.25E-09	2.81E-14	8.48E-14	6.7E-14	5.97E-17	1.44E-15	7.96E-17	1.5809E-15	9.102E-11	3.7431E-08	9.25E-09	2.87262E-14	2.413E-16	1.43381E-14	4.01468E-17
39	570510.6	4177959	0.55, 41779	0.1169	0.10189	0.11567	83.26174	30.87615	84.48278	10.40772	4.70339	10.56035	9.82E-11	3.9E-08	9.77E-09	3.03E-14	9.15E-14	7.23E-14	6.44E-17	1.56E-15	8.59E-17	1.70563E-15	9.82E-11	3.8987E-08	9.77E-09	3.09927E-14	2.60338E-16	1.54694E-14	4.33144E-17
40	570550.6	4177959	0.55, 41779	0.12213	0.11	0.12099	82.46075	31.83495	82.01237	10.30759	4.9071	10.25155	1.05E-10	3.94E-08	9.65E-09	3.25E-14	9.81E-14	7.75E-14	6.9E-17	1.67E-15	9.2E-17	1.82833E-15	1.053E-10	3.9377E-08	9.65E-09	3.32222E-14	2.79066E-16	1.65822E-14	4.64303E-17
41	570590.6	4177959	0.55, 41779	0.1275	0.1185	0.12492	87.61849	32.53805	91.54904	10.95231	5.6614	11.44363	1.12E-10	4.13E-08	1.03E-08	3.47E-14	1.05E-13	8.28E-14	7.38E-17	1.78E-15	9.83E-17	1.95375E-15	1.125E-10	4.134E-08	1.03E-08	3.55012E-14	2.9821E-16	1.77198E-14	4.96154E-17
42	570630.6	4177959	0.55, 41779	0.13429	0.12721	0.12893	94.25098	33.95012	99.61773	11.78137	6.34882	12.45222	1.2E-10	4.38E-08	1.11E-08	3.7E-14	1.12E-13	8.83E-14	7.87E-17	1.9E-15	1.05E-16	2.08413E-15	1.2E-10	4.3804E-08	1.11E-08	3.78703E-14	3.1811E-16	1.89023E-14	5.29263E-17
43	570670.6	4177959	0.55, 41779	0.1434	0.13582	0.13624	91.47953	35.4429	96.20253	12.89467	6.97952	13.63762	1.28E-10	4.43E-08	1.22E-08	3.95E-14	1.19E-13	9.42E-14	8.39E-17	2.03E-15	1.12E-16	2.22263E-15	1.28E-10	4.4327E-08	1.22E-08	4.03869E-14	3.3925E-16	2.01584E-14	5.64436E-17
44	570710.6	4177959	0.55, 41779	0.15342	0.14402	0.1467	103.54122	38.62398	108.53691	12.94265	7.57754	15.98544	1.36E-10	4.9E-08	1.24E-08	4.2E-14	1.27E-13	1E-13	8.92E-17	2.15E-15	1.19E-16	2.36289E-15	1.36E-10	4.9019E-08	1.24E-08	4.29357E-14	3.6066E-16	2.14306E-14	6.00056E-17
45	570750.6	4177959	0.55, 41779	0.16261	0.1515	0.15549	105.52732	44.38977	114.23814	13.19092	8.09206	15.7724	1.43E-10	5.41E-08	1.26E-08	4.42E-14	1.34E-13	1.05E-13	9.4E-17	2.27E-15	1.25E-16	2.48954E-15	1.433E-10	5.4097E-08	1.26E-08	4.5237E-14	3.79991E-16	2.25792E-14	6.32219E-17
46	570790.6	4177959	0.55, 41779	0.16989	0.15823	0.16076	113.60479	47.24143	124.57926	14.2006	8.3928	15.57241	1.5E-10	5.8E-08	1.35E-08	4.61E-14	1.39E-13	1.1E-13	9.81E-17	2.37E-15	1.31E-16	2.59722E-15	1.495E-10	5.7998E-08	1.35E-08	4.71937E-14	3.96427E-16	2.35559E-14	6.59564E-17
47	570830.6	4177959	0.55, 41779	0.1738	0.16401	0.16481	115.20896	49.45722	130.36471	14.40112	8.28774	16.29559	1.55E-10	6.04E-08	1.37E-08	4.77E-14	1.44E-13	1.14E-13	1.01E-16	2.45E-15	1.35E-16	2.68541E-15	1.546E-10	6.0399E-08	1.37E-08	4.87961E-14	4.09887E-16	2.43557E-14	6.81959E-17
48	570870.6	4177959	0.55, 41779	0.17339	0.16851	0.16469	122.33209	52.01335	138.82114	15.29151	7.46689	17.35264	1.58E-10	6.38E-08	1.45E-08	4.87E-14	1.47E-13	1.16E-13	1.04E-16	2.5E-15	1.38E-16	2.74303E-15	1.579E-10	6.3799E-08	1.45E-08	4.98431E-14	4.18682E-16	2.48783E-14	6.96592E-17
49	570910.6	4177959	0.55, 41779	0.16973	0.17204	0.1579	128.70888	55.67631	149.19916	16.08861	6.95954	18.64989	1.6E-10	6.82E-08	1.53E-08	4.92E-14	1.49E-13	1.17E-13	1.05E-16	2.53E-15	1.39E-16	2.77111E-15	1.595E-10	6.8167E-08	1.53E-08	5.03533E-14	4.22968E-16	2.51329E-14	7.03722E-17
50	570950.6	4177959	0.55, 41779	0.16375	0.1746	0.15354	137.78687	58.35606	146.62449	21.41966	8.40086	22.62642	1.6E-10	7.07E-08	2.02E-08	4.95E-14	1.5E-13	1.18E-13	1.05E-16	2.54E-15	1.4E-16	2.78764E-15	1.605E-10	7.0664E-08	2.02E-08	5.06537E-14	4.25491E-16	2.52829E-14	7.0792E-17
51	570990.6	4177959	0.55, 41779	0.1571	0.17611	0.15296	148.41379	62.43724	189.01685	21.20197	10.20575	28.13097	1.61E-10	7.91E-08	2.06E-08	4.97E-14	1.5E-13	1.18E-13	1.06E-16	2.55E-15	1.41E-16	2.79646E-15	1.61E-10	7.9072E-08	2.06E-08	5.0814E-14	4.26838E-16	2.53629E-14	7.10161E-17
52	571030.6	4177959	0.55, 41779	0.15135	0.1787	0.14372	141.29712	68.4386	198.29024	19.05284	11.40643	25.9054	1.61E-10	8.39E-08	1.86E-08	4.98E-14	1.5E-13	1.19E-13	1.06E-16	2.56E-15	1.41E-16	2.8048E-15	1.615E-10	8.3936E-08	1.86E-08	5.09655E-14	4.2811E-16	2.54385E-14	7.12278E-17
53	571070.6	4177959	0.55, 41779	0.14838	0.1815	0.13361	143.49488	74.36914	202.29359	18.79197	11.80682	25.2867	1.62E-10	8.9E-08	1.83E-08	5.01E-14	1.51E-13	1.19E-13	1.06E-16	2.57E-15	1.42E-16	2.81834E-15	1.623E-10	8.8976E-08	1.83E-08	5.12115E-14	4.30176E-16	2.55613E-14	7.15716E-17
54	571110.6	4177959	0.55, 41779	0.14858	0.18375	0.13332	140.62761	73.34522	192.64407	22.74237	10.22286	24.08051	1.64E-10	8.7E-08	2.15E-08	5.06E-14	1.53E-13	1.21E-13	1.07E-16	2.6E-15	1.43E-16	2.84732E-15	1.639E-10	8.6954E-08	2.15E-08	5.17381E-14	4.346E-16	2.58241E-14	7.23076E-17
55	571150.6	4177959	0.55, 41779	0.14994	0.18566	0.14292	146.3467	67.83983	199.40983	22.92053	11.48399	30.37919	1.66E-10	8.4E-08	2.23E-08	5.14E-14	1.55E-13	1.23E-13	1.09E-16	2.64E-15	1.46E-16	2.89166E-15	1.665E-10	8.4031E-08	2.23E-08	5.25439E-14	4.41368E-16	2.62263E-14	7.34337E-17
56	571190.6	4177959	0.55, 41779	0.1525	0.18616	0.14359	161.89014	78.97315	204.49698	23.12716	11.84075	29.21385	1.67E-10	9.42E-08	2.23E-08	5.16E-14	1.56E-13	1.23E-13	1.1E-16	2.65E-15	1.46E-16	2.90312E-15	1.671E-10	9.4199E-08	2.23E-08	5.27521E-14	4.43118E-16	2.63303E-14	7.37248E-17
57	571230.6	4177959	0.55, 41779	0.15542	0.18516	0.1383	156.07845	81.92899	197.17574	22.29692	11.22006	24.64697	1.66E-10	9.51E-08	2.11E-08	5.12E-14	1.55E-13	1.22E-13	1.09E-16	2.63E-15	1.45E-16	2.88474E-15	1.661E-10	9.515E-08	2.11E-08	5.2418E-14	4.40311E-16	2.61635E-14	7.32578E-17
58	571270.6	4177959	0.55, 41779	0.15909	0.18379	0.14205	158.42767	82.70179	205.30007	19.80346	11.54254	29.32858	1.66E-10	9.68E-08	1.96E-08	5.12E-14	1.54E-13	1.22E-13	1.09E-16	2.63E-15	1.45E-16	2.87917E-15	1.658E-10	9.678E-08	1.96E-08	5.23168E-14	4.39461E-16	2.6113E-14	7.31164E-17
59	571310.6	4177959	0.55, 41779	0.1655	0.18382	0.1484	150.26158	75.50789	204.0765	18.7827	10.48328	25.50956	1.67E-10	9.06E-08	1.83E-08	5.15E-14	1.56E-13	1.23E-13	1.1E-16	2.65E-15	1.46E-16	2.90054E-15	1.67E-10	9.0585E-08	1.83E-08	5.27052E-14	4.42723E-16	2.63068E-14	7.36591E-17
60	571350.6	4177959	0.55, 41779	0.17654	0.1881	0.15257	154.82597	60.83045	189.56737	19.35325	9.71095	23.69592	1.72E-10	7.85E-08	1.86E-08	5.29E-14	1.6E-13	1.26E-13	1.12E-16	2.72E-15	1.5E-16	2.97989E-15	1.716E-10	7.8468E-08	1.86E-08	5.4147E-14	4.54835E-16	2.70265E-14	7.56743E-17
61	571390.6	4177959	0.55, 41779	0.18842	0.1934	0.15428	152.92189	54.55359	214.59873	19.11524	9.16318	26.82484	1.77E-10	7.62E-08	1.87E-08	5.45E-14	1.65E-13	1.3E-13	1.16E-16	2.8E-15	1.54E-16	3.06922E-15	1.767E-10	7.625E-08	1.87E-08	5.57702E-14	4.6847E-16	2.78367E-14	7.79428E-17
62	571430.6	4177959	0.55, 41779	0.20645	0.20414	0.16292	148.33328	50.38722	217.66749	18.54166	8.09078	27.20844	1.87E-10	7.31E-08	1.83E-08	5.78E-14	1.74E-13	1.38E-13	1.23E-16	2.96E-15	1.64E-16	3.25086E-15	1.872E-10	7.3071E-08	1.83E-08	5.90708E-14	4.96195E-16	2.94841E-14	8.25555E-17
63	571470.6	4177959	0.55, 41779	0.22554	0.21577	0.17809	134.13897	46.24246	185.84967	16.76737	6.92684	23.23121	1.99E-10	6.54E-08	1.64E-08	6.14E-14	1.85E-13	1.47E-13	1.31E-16	3.15E-15	1.74E-16	3.45755E-15	1.991E-10	6.5428E-08	1.64E-08	6.28264E-14	5.27742E-16	3.13587E-14	8.78043E-17
64	571510.6	4177959	0.55, 41779	0.24332	0.22654	0.20114	122.33786	38.55117	174.21255	15.29223	6.75463	21.77657	2.11E-10	5.75E-08	1.5E-08	6.51E-14	1.97E-13	1.55E-13	1.38E-16	3.34E-15	1.85E-16	3.66555E-15	2.11E-10	5.7459E-08	1.5E-08	6.66061E-14	5.59491E-16	3.32452E-14	9.30866E-17
65	571550.6	4177959	0.55, 41779	0.25539	0.23344	0.22684	100.38932	31.1899	131.18831	12.54867	6.13877	16.39854	2.2E-10	4.56E-08	1.22E-08	6.79E-14	2.05E-13	1.62E-13	1.44E-16	3.48E-15	1.92E-16	3.81979E-15	2.199E-10	4.5579E-08	1.22E-08	6.94087E-14	5.83033E-16	3.46441E-14	9.70035E-17
66	571590.6	4177959	0.55, 41779	0.26174	0.2364	0.25018	103.20811	24.1035	113.64553	12.90101	5.55119	14.20569	2.25E-10	3.87E-08	1.22E-08	6.95E-14	2.1E-13	1.66E-13	1.48E-16	3.57E-15	1.97E-16	3.91019E-15	2.251E-10	3.8672E-08	1.22E-08	7.10513E-14	5.96831E-16	3.5464E-14	9.92991E-17
67	570310.6	4177999	0.55, 41779	0.08992	0.06909	0.08739	61.55411	26.71644	63.33313	7.69426	4.42886	7.91664	6.84E-11	3.18E-08	7.23E-09	2.11E-14	6.38E-14	5.04E-14	4.49E-17	1.08E-15	5.98E-17	1.18851E-15	6.843E-11	3.1823E-08	7.23E-09	2.15962E-14	1.81408E-16	1.07794E-14	3.01822E-17
68	570350.6	4177999	0.55, 41779	0.09687	0.07551	0.09431	63.16088	27.72336	68.96816	7.89511	4.52605	8.62102	7.45E-11	3.33E-08	7.48E-09	2.3E-14	6.94E-14	5.49E-14	4.89E-17	1.18E-15	6.52E-17	1.2947E-15	7.454E-11	3.3305E-08	7.48E-09	2.35257E-14	1.97616E-16	1.17424E-14	3.28788E-17
69	570390.6	4177999	0.55, 41779	0.10411	0.08268	0.10154	65.18315	28.66629	70.59128	8.14789	4.5901	8.82391	8.13E-11	3.44E-08	7.71E-09	2.51E-14	7.57E-14	5.98E-14	5.33E-17	1.29E-15	7.11E-17	1.41162E-15	8.127E-11	3.4351E-08	7.71E-09	2.56503E-14	2.15462E-16	1.28029E-14	3.5848E-17
70	570430.6	4177999	0.55, 41779	0.11178	0.0909	0.10932	69.77828	29.77159	73.90272	8.72229	4.64595	9.23784	8.89E-11	3.59E-08	8.23E-09	2.74E-14	8.28E-14	6.54E-14	5.83E-17	1.41E-15	7.77E-17	1.54381E-15	8.888E-11	3.5913E-08	8.23E-09	2.80523E-14	2.35639E-16	1.40018E-14	3.9205E-17
71	570470.6	4177999	0.55, 41779	0.11947	0.09994	0.11702	73.23749	30.82615	79.61188	9.15469	4.70414	9.95148	9.71E-11	3.76E-08	8.66E-09	3E-14	9.05E-14	7.15E-14	6.37E-17	1.54E-15	8.49E-17	1.68653E-15	9.71E-11	3.7593E-08	8.66E-09	3.06456E-14	2.57423E-16	1.52962E-14	4.28294E-17
72	570510.6	4177999	0.55, 41779	0.12689	0.1096	0.1248	83.36058	31.87471	86.19643	10.42007	5.00665	10.77455	1.06E-10	3.99E-08	9.8E-09	3.26E-14	9.85E-14	7.78E-14	6.94E-17	1.68E-15	9.25E-17	1.83706E-15	1.058E-10	3.9922E-08	9.8E-09	3.33808E-14	2.80399E-16	1.66614E-14	4.6652E-17
73	570550.6	4177999	0.55, 41779	0.1338	0.11968	0.13227	93.92369	33.13511	96.59692	11.74046	5.30601	12.07462	1.15E-10	4.28E-08	1.1E-08	3.54E-14	1.07E-13	8.44E-14	7.52E-17	1.82E-15	1E-16	1.99172E-15	1.147E-10	4.2849E-08	1.1E-08	3.61912E-14	3.04006E-16	1.80642E-14	5.05798E-17
74	570590.6	4177999	0.55, 41779	0.14077	0.13095	0.13895	98.98148	34.43475	100.81152	12.37268	5.77536	12.60144	1.24E-10	4.47E-08	1.16E-08	3.84E-14	1.16E-13	9.15E-14	8.16E-17	1.97E-15	1.09E-16	2.16049E-15	1.244E-10	4.469E-08	1.16E-08	3.92578E-14	3.29766E-16	1.95948E-14	5.48656E-17
75	570630.6	4177999	0.55, 41779	0.14863	0.14246	0.14416	96.29887	35.58815	97.29546	12.03736	6.62596	12.16193	1.34E-10	4.5E-08	1.13E-08	4.14E-14	1.25E-13	9.88E-14	8.8E-17	2.13E-15	1.17E-16	2.33099E-15	1.342E-10	4.4956E-08	1.13E-08	4.23559E-14	3.5579E-16	2.11412E-14	5.91953E-17
76	570670.6	4177999	0.55, 41779	0.15906	0.15417	0.15133	108.0953	37.02771	115.61321	13.51191	7.37805	14.45165	1.45E-10	4.9E-08	1.28E-08	4.46E-14	1.35E-13	1.06E-13	9.48E-17	2.29E-15	1.26E-16	2.51142E-15	1.446E-10	4.8954E-08	1.28E-08	4.56346E-14	3.8333E-16	2.27777E-14	6.37775E-17
77	570710.6	4177999	0.55, 41779	0.17207	0.16581	0.16328	109.21603	39.28347	116.55796	14.39109	8.06843	17.60456	1.56E-10	5.08E-08	1.38E-08	4.8E-14	1.45E-13	1.15E-13	1.02E-16	2.47E-15	1.36E-16	2.70346E-15	1.556E-10	5.0834E-08	1.38E-08	4.9124E-14	4.12642E-16	2.45194E-14	6.86542E-17
78	570750.6	4177999	0.55, 41779	0.18601	0.17706	0.17647	119.66853	46.10023	126.10142	14.95857	8.7788	16.77146	1.67E-10	5.78E-08	1.42E-08	5.14E-14	1.55E-13	1.23E-13	1.09E-16	2.64E-15	1.46E-16	2.89406E-15	1.666E-10	5.7815E-08	1.42E-08	5.25874E-14	4.41734E-16	2.6248E-14	7.34945E-17
79	570790.6	4177999	0.55, 41779	0.19953	0.18772	0.18696	122.67556	49.8289	134.57394	15.33445	9.45426	16.82174	1.77E-10	6.17E-08	1.45E-08	5.46E-14	1.65E-13	1.3E-13	1.16E-16	2.8E-15	1.55E-16	3.07144E-15	1.768E-10	6.1748E-08	1.45E-08	5.58106E-14	4.68809E-16	2.78569E-14	7.79993E-17
80	570830.6	4177999	0.55, 41779	0.21109	0.19773	0.1968	133.54261	52.4094	148.58094	16.69283	9.90962	18.57262	1.86E-10	6.61E-08	1.58E-08	5.75E-14	1.74E-13	1.37E-13	1.22E-16	2.95E-15	1.63E-16	3.23634E-15	1.863E-10	6.6067E-08	1.58E-08	5.88069E-14	4.93978E-16	2.93524E-14	8.21867E-17
81	570870.6	4177999	0.55, 41779	0.21804	0.20674	0.20398	131.45449	55.15858	156.57352	16.43181	9.77159	19.57169	1.94E-10	6.88E-08	1.57E-08	6E-14	1.81E-13	1.43E-13	1.27E-16	3.08E-15	1.7E-16	3.37664E-15	1.944E-10	6.8788E-08	1.57E-08	6.13562E-14	5.15392E-16	3.06248E-14	8.57496E-17
82	570910.6	4177999	0.55, 41779	0.21803	0.21414	0.20286	148.11273	59.13207	173.84644	18.51409	8.43226	21.73081	2E-10	7.5E-08	1.77E-08	6.17E-14	1.86E-13	1.47E-13	1.31E-16	3.16E-15	1.75E-16	3.47068E-15	1.998E-10	7.4979E-08	1.77E-08	6.3065E-14	5.29746E-16	3.14778E-14	8.81377E-17
83	570950.6	4177999	0.55, 41779	0.2114	0.21889	0.19586	140.12444	63.58464	170.21851	21.83562	9.32684	21.27731	2.02E-10	7.73E-08	2.04E-08	6.24E-14	1.88E-13	1.49E-13	1.33E-16	3.2E-15	1.77E-16	3.50987E-15	2.021E-10	7.7254E-08	2.04E-08	6.37772E-14	5.35728E-16	3.18332E-14	8.91331E-17
84	570990.6	4177999	0.55, 41779	0.2013	0.22185	0.19061	171.25011	67.61488	221.4052	25.43318	11.18299	33.45295	2.03E-10	8.83E-08	2.47E-08	6.26E-14	1.89E-13	1.49E-13	1.33E-16	3.21E-15	1.77E-16	3.52394E-15	2.029E-10	8.8275E-08	2.47E-08	6.40329E-14	5.37876E-16	3.19609E-14	8.94904E-17
85	571030.6	4177999	0.55, 41779	0.19301	0.22456	0.1804	161.4506	75.02365	233.40135	21.94671	12.50394	33.34305	2.03E-10	9.43E-08	2.18E-08	6.27E-14	1.89E-13	1.5E-13	1.33E-16	3.22E-15	1.78E-16	3.52835E-15	2.031E-10	9.4252E-08	2.18E-08	6.4113E-14	5.38549E-16	3.20008E-14	8.96023E-17
86	571070.6	4177999	0.55, 41779	0.18927	0.22808	0.16676	165.36156	82.48884	231.46597	21.97245	12.95225	28.93325	2.04E-10	1E-07	2.13E-08	6.3E-14	1.9E-13	1.5E-13	1.34E-16	3.23E-15	1.78E-16	3.54366E-15	2.04E-10	9.9959E-08	2.13E-08	6.43912E-14	5.40886E-16	3.21397E-14	8.99911E-17
87	571110.6	4177999	0.55, 41779	0.18141	0.21619	0.16049	158.60632	80.72549	237.56536	25.62624	11.81551	29.69982	1.94E-10	9.87E-08	2.44E-08	5.98E-14	1.81E-13	1.43E-13	1.27E-16	3.07E-15	1.69E-16	3.36629E-15	1.938E-10	9.8713E-08	2.44E-08	6.11682E-14	5.13813E-16	3.0531E-14	8.54868E-17
88	571150.6	4177999	0.55, 41779	0.19202	0.23351	0.18032	164.05988	80.42402	231.86209	24.96785	14.13496	37.65816	2.1E-10	9.83E-08	2.47E-08	6.47E-14	1.95E-13	1.54E-13	1.38E-16	3.32E-15	1.83E-16	3.64299E-15	2.097E-10	9.8347E-08	2.47E-08	6.6196E-14	5.56047E-16	3.30406E-14	9.25135E-17
89	571190.6	4177999	0.55, 41779	0.1978	0.23414	0.17819	182.21875	91.74664	241.78028	26.03125	13.21695	31.92825	2.1E-10	1.09E-07	2.5E-08	6.49E-14	1.96E-13	1.55E-13	1.38E-16	3.33E-15	1.84E-16	3.65573E-15	2.105E-10	1.0939E-07	2.5E-08	6.64275E-14	5.57991E-16	3.31561E-14	9.28371E-17
90	571230.6	4177999	0.55, 41779	0.20367	0.23289	0.17473	172.67663	91.69738	231.55794	22.62496	13.85272	33.07971	2.1E-10	1.07E-07	2.23E-08	6.47E-14	1.95E-13	1.54E-13	1.37E-16	3.32E-15	1.83E-16	3.64175E-15	2.097E-10	1.0747E-07	2.23E-08	6.61736E-14	5.55858E-16	3.30294E-14	9.24822E-17
91	571270.6	4177999	0.55, 41779	0.21358	0.23476	0.18394	171.66845	86.35935	210.57834	21.45856	13.01074	28.58393	2.13E-10	1.01E-07	2.09E-08	6.57E-14	1.98E-13	1.57E-13	1.4E-16	3.37E-15	1.86E-16	3.69737E-15	2.129E-10	1.0119E-07	2.09E-08	6.71842E-14	5.64347E-16	3.35338E-14	9.38946E-17
92	571310.6	4177999	0.55, 41779	0.23025	0.24083	0.19159	171.26207	72.34733	231.62674	21.40776	11.81711	28.95334	2.2E-10	9.29E-08	2.09E-08	6.78E-14	2.05E-13	1.62E-13	1.44E-16	3.48E-15	1.92E-16	3.81456E-15	2.196E-10	9.289E-08	2.09E-08	6.93137E-14	5.82235E-16	3.45967E-14	9.68707E-17
93	571350.6	4177999	0.55, 41779	0.25373	0.25254	0.198	169.27826	60.68614	249.61103	21.15978	11.13084	31.20138	2.31E-10	8.59E-08	2.09E-08	7.13E-14	2.15E-13	1.7E-13	1.51E-16	3.66E-15	2.02E-16	4.01269E-15	2.31E-10	8.5897E-08	2.09E-08	7.29139E-14	6.12476E-16	3.63936E-14	1.01902E-16
94	571390.6	4177999	0.55, 41779	0.27999	0.26698	0.21185	164.13881	55.69534	253.30621	20.51735	9.69774	31.66328	2.45E-10	8.21E-08	2.04E-08	7.58E-14	2.29E-13	1.81E-13	1.61E-16	3.89E-15	2.15E-16	4.26394E-15	2.455E-10	8.2121E-08	2.04E-08	7.74793E-14	6.50826E-16	3.86724E-14	1.08283E-16
95	571430.6	4177999	0.55, 41779	0.30187	0.27888	0.2328	148.06777	50.74185	217.39094	18.50847	8.30154	27.17387	2.58E-10	7.33E-08	1.83E-08	7.97E-14	2.41E-13	1.9E-13	1.69E-16	4.09E-15	2.26E-16	4.48878E-15	2.584E-10	7.3285E-08	1.83E-08	8.15648E-14	6.85144E-16	4.07116E-14	1.13992E-16
96	571470.6	4177999	0.55, 41779	0.32222	0.29016	0.268	133.22849	41.8567	195.88733	16.65356	8.00082	24.48592	2.72E-10	6.31E-08	1.64E-08	8.4E-14	2.54E-13	2E-13	1.79E-16	4.31E-15	2.38E-16	4.72938E-15	2.723E-10	6.3129E-08	1.64E-08	8.59367E-14	7.21868E-16	4.28937E-14	1.20102E-16
97	571510.6	4177999	0.55, 41779	0.33311	0.29527	0.30394	113.25391	33.39085	138.27651	14.15674	7.16119	17.28456	2.81E-10	4.91E-08	1.36E-08	8.67E-14	2.62E-13	2.07E-13	1.84E-16	4.45E-15	2.46E-16	4.87737E-15	2.808E-10	4.9054E-08	1.36E-08	8.86257E-14	7.44456E-16	4.42359E-14	1.23861E-16
98	571550.6	4177999	0.55, 41779	0.33431	0.29408	0.33024	118.79132	25.19774	142.42424	14.84891	6.75336	17.80303	2.83E-10	4.38E-08	1.42E-08	8.73E-14	2.63E-13	2.08E-13	1.85E-16	4.48E-15	2.47E-16	4.91175E-15	2.828E-10	4.3831E-08	1.42E-08	8.92504E-14	7.49703E-16	4.45477E-14	1.24734E-16
99	571590.6	4177999	0.55, 41779	0.32897	0.28857	0.34209	117.12124	19.87515	150.29933	14.64016	6.7762	18.78742	2.79E-10	4.05E-08	1.42E-08	8.62E-14	2.6E-13	2.06E-13	1.83E-16	4.43E-15	2.44E-16	4.85404E-15	2.795E-10	4.054E-08	1.42E-08	8.82019E-14	7.40896E-16	4.40244E-14	1.23268E-16
100	570310.6	4178039	0.55, 41780	0.09395	0.07118	0.09114	60.38117	27.45867	68.75884	7.54765	4.57644	8.59485	7.07E-11	3.29E-08	7.18E-09	2.18E-14	6.59E-14	5.2E-14	4.64E-17	1.12E-15	6.18E-17	1.2284E-15	7.072E-11	3.2851E-08	7.18E-09	2.2321E-14	1.87497E-16	1.11411E-14	3.11952E-17
101	570350.6	4178039	0.55, 41780	0.10181	0.07823	0.09867	67.40685	28.30867	69.9761	8.42586	4.71811	8.74701	7.74E-11	3.42E-08	7.93E-09	2.39E-14	7.22E-14	5.7E-14	5.08E-17	1.23E-15	6.77E-17	1.34522E-15	7.745E-11	3.4206E-08	7.93E-09	2.44437E-14	2.05327E-16	1.22006E-14	3.41618E-17
102	570390.6	4178039	0.55, 41780	0.11033	0.08626	0.10708	70.86935	29.39362	77.00767	8.85867	4.86131	9.62596	8.51E-11	3.6E-08	8.38E-09	2.62E-14	7.92E-14	6.26E-14	5.58E-17	1.35E-15	7.44E-17	1.47734E-15	8.505E-11	3.6049E-08	8.38E-09	2.68444E-14	2.25493E-16	1.33989E-14	3.75169E-17
103	570430.6	4178039	0.55, 41780	0.11935	0.09539	0.11615	72.77771	30.53752	78.92837	9.09721	4.99157	9.86605	9.36E-11	3.73E-08	8.61E-09	2.89E-14	8.72E-14	6.89E-14	6.14E-17	1.48E-15	8.18E-17	1.62568E-15	9.359E-11	3.7267E-08	8.61E-09	2.95399E-14	2.48135E-16	1.47443E-14	4.1284E-17
104	570470.6	4178039	0.55, 41780	0.12876	0.10583	0.1256	77.88414	31.78332	83.40463	9.73552	5.12346	10.42558	1.03E-10	3.91E-08	9.2E-09	3.18E-14	9.61E-14	7.59E-14	6.77E-17	1.63E-15	9.02E-17	1.79229E-15	1.032E-10	3.9099E-08	9.2E-09	3.25674E-14	2.73566E-16	1.62554E-14	4.55153E-17
105	570510.6	4178039	0.55, 41780	0.13797	0.11733	0.13491	81.61557	33.05226	90.60057	10.20195	5.27698	11.32507	1.14E-10	4.11E-08	9.68E-09	3.5E-14	1.06E-13	8.36E-14	7.45E-17	1.8E-15	9.93E-17	1.97213E-15	1.135E-10	4.1119E-08	9.68E-09	3.58352E-14	3.01016E-16	1.78865E-14	5.00822E-17
106	570550.6	4178039	0.55, 41780	0.14677	0.12979	0.14418	83.22783	34.40977	92.92473	10.40348	5.64664	11.61559	1.25E-10	4.25E-08	9.88E-09	3.84E-14	1.16E-13	9.17E-14	8.17E-17	1.97E-15	1.09E-16	2.16376E-15	1.246E-10	4.2515E-08	9.88E-09	3.93173E-14	3.30265E-16	1.96245E-14	5.49486E-17
107	570590.6	4178039	0.55, 41780	0.15543	0.14397	0.15331	100.7883	35.81672	104.85134	12.59854	6.05306	13.10642	1.37E-10	4.63E-08	1.19E-08	4.22E-14	1.28E-13	1.01E-13	8.97E-17	2.17E-15	1.2E-16	2.37727E-15	1.369E-10	4.6301E-08	1.19E-08	4.31969E-14	3.62854E-16	2.15609E-14	6.03706E-17
108	570630.6	4178039	0.55, 41780	0.16446	0.15887	0.16086	114.63184	37.47906	118.86748	14.32898	6.85921	14.85844	1.5E-10	5.02E-08	1.35E-08	4.62E-14	1.39E-13	1.1E-13	9.81E-17	2.37E-15	1.31E-16	2.59778E-15	1.496E-10	5.0184E-08	1.35E-08	4.72037E-14	3.96511E-16	2.35609E-14	6.59705E-17
109	570670.6	4178039	0.55, 41780	0.17604	0.17458	0.16859	120.19022	39.09251	122.97013	15.02378	7.81169	15.37127	1.63E-10	5.23E-08	1.41E-08	5.03E-14	1.52E-13	1.2E-13	1.07E-16	2.58E-15	1.43E-16	2.83286E-15	1.631E-10	5.229E-08	1.41E-08	5.14755E-14	4.32394E-16	2.5693E-14	7.19405E-17
110	570710.6	4178039	0.55, 41780	0.19156	0.191	0.18153	122.05191	40.81454	130.55962	15.86896	8.63568	17.88475	1.78E-10	5.45E-08	1.51E-08	5.49E-14	1.66E-13	1.31E-13	1.17E-16	2.82E-15	1.56E-16	3.09246E-15	1.78E-10	5.4533E-08	1.51E-08	5.61925E-14	4.72017E-16	2.80475E-14	7.85329E-17
111	570750.6	4178039	0.55, 41780	0.2105	0.20761	0.19902	132.53323	47.68084	144.79481	16.56665	9.43658	19.64627	1.94E-10	6.2E-08	1.58E-08	5.98E-14	1.81E-13	1.43E-13	1.27E-16	3.07E-15	1.7E-16	3.36784E-15	1.939E-10	6.2048E-08	1.58E-08	6.11964E-14	5.1405E-16	3.05451E-14	8.55262E-17
112	570790.6	4178039	0.55, 41780	0.23169	0.22417	0.21523	139.552	52.7884	147.64201	17.444	10.33029	19.40572	2.1E-10	6.68E-08	1.66E-08	6.47E-14	1.95E-13	1.54E-13	1.38E-16	3.32E-15	1.83E-16	3.64352E-15	2.098E-10	6.6757E-08	1.66E-08	6.62058E-14	5.56128E-16	3.30454E-14	9.25272E-17
113	570830.6	4178039	0.55, 41780	0.25382	0.24067	0.23208	145.24751	55.81087	161.73262	18.15594	11.28689	20.21658	2.26E-10	7.1E-08	1.72E-08	6.97E-14	2.1E-13	1.66E-13	1.48E-16	3.58E-15	1.97E-16	3.92097E-15	2.257E-10	7.098E-08	1.72E-08	7.12472E-14	5.98477E-16	3.55618E-14	9.95729E-17
114	570870.6	4178039	0.55, 41780	0.27385	0.25672	0.25028	159.27674	59.06353	181.66903	19.90959	12.04587	22.70863	2.41E-10	7.67E-08	1.9E-08	7.45E-14	2.25E-13	1.78E-13	1.58E-16	3.82E-15	2.11E-16	4.19197E-15	2.413E-10	7.6691E-08	1.9E-08	7.61715E-14	6.39841E-16	3.80196E-14	1.06455E-16
115	570910.6	4178039	0.55, 41780	0.28498	0.272	0.26185	154.31681	63.03506	190.144	19.2896	11.80173	23.768	2.55E-10	8.01E-08	1.85E-08	7.87E-14	2.38E-13	1.88E-13	1.67E-16	4.04E-15	2.23E-16	4.42784E-15	2.549E-10	8.0135E-08	1.85E-08	8.04574E-14	6.75842E-16	4.01588E-14	1.12445E-16
116	570950.6	4178039	0.55, 41780	0.28313	0.28254	0.2606	178.15221	69.82475	214.80591	22.26903	10.41815	26.85074	2.63E-10	8.98E-08	2.14E-08	8.1E-14	2.45E-13	1.93E-13	1.72E-16	4.16E-15	2.3E-16	4.55973E-15	2.625E-10	8.9814E-08	2.14E-08	8.28539E-14	6.95973E-16	4.1355E-14	1.15794E-16
117	570990.6	4178039	0.55, 41780	0.27042	0.28832	0.24711	188.87787	74.10995	223.28286	29.14051	12.35166	34.29706	2.64E-10	9.48E-08	2.79E-08	8.16E-14	2.46E-13	1.95E-13	1.73E-16	4.19E-15	2.31E-16	4.59154E-15	2.643E-10	9.4813E-08	2.79E-08	8.3432E-14	7.00829E-16	4.16436E-14	1.16602E-16
118	571030.6	4178039	0.55, 41780	0.25749	0.29249	0.23391	188.96663	83.29257	277.8919	26.99523	13.88209	39.69884	2.65E-10	1.07E-07	2.66E-08	8.18E-14	2.47E-13	1.95E-13	1.74E-16	4.2E-15	2.32E-16	4.60266E-15	2.65E-10	1.0743E-07	2.66E-08	8.3634E-14	7.02526E-16	4.17444E-14	1.16884E-16
119	571070.6	4178039	0.55, 41780	0.25163	0.29646	0.21613	192.59035	92.57991	271.23553	26.01862	14.40126	34.27332	2.66E-10	1.14E-07	2.53E-08	8.2E-14	2.47E-13	1.95E-13	1.74E-16	4.21E-15	2.32E-16	4.61314E-15	2.656E-10	1.1398E-07	2.53E-08	8.38245E-14	7.04126E-16	4.18395E-14	1.17151E-16
120	571110.6	4178039	0.55, 41780	0.23996	0.28057	0.20816	179.79911	89.13384	295.00102	29.33997	15.522	36.88643	2.52E-10	1.13E-07	2.83E-08	7.77E-14	2.35E-13	1.85E-13	1.65E-16	3.99E-15	2.2E-16	4.37515E-15	2.519E-10	1.1283E-07	2.83E-08	7.94999E-14	6.67799E-16	3.9681E-14	1.11107E-16
121	571150.6	4178039	0.55, 41780	0.25767	0.30302	0.23363	202.30498	100.11261	284.90591	28.90071	16.95197	47.48432	2.73E-10	1.22E-07	2.9E-08	8.42E-14	2.54E-13	2.01E-13	1.79E-16	4.32E-15	2.39E-16	4.73916E-15	2.728E-10	1.2187E-07	2.9E-08	8.61143E-14	7.23361E-16	4.29824E-14	1.20351E-16
122	571190.6	4178039	0.55, 41780	0.27122	0.30641	0.22867	194.68377	101.89225	297.80862	27.81197	16.7188	37.22608	2.76E-10	1.24E-07	2.71E-08	8.52E-14	2.57E-13	2.03E-13	1.81E-16	4.37E-15	2.41E-16	4.79393E-15	2.76E-10	1.2392E-07	2.71E-08	8.71096E-14	7.31721E-16	4.34792E-14	1.21742E-16
123	571230.6	4178039	0.55, 41780	0.28804	0.31092	0.2326	196.84209	99.06119	294.63263	24.60526	16.26482	42.09038	2.81E-10	1.22E-07	2.49E-08	8.68E-14	2.62E-13	2.07E-13	1.84E-16	4.45E-15	2.46E-16	4.88428E-15	2.812E-10	1.2165E-07	2.49E-08	8.87514E-14	7.45512E-16	4.42987E-14	1.24036E-16
124	571270.6	4178039	0.55, 41780	0.31661	0.32283	0.24843	191.8709	85.51951	280.99547	23.98386	14.63938	35.12443	2.94E-10	1.1E-07	2.36E-08	9.08E-14	2.74E-13	2.17E-13	1.93E-16	4.66E-15	2.57E-16	5.10968E-15	2.942E-10	1.0967E-07	2.36E-08	9.2847E-14	7.79915E-16	4.63429E-14	1.2976E-16
125	571310.6	4178039	0.55, 41780	0.35598	0.34149	0.26147	189.38373	68.10225	290.04443	23.67297	13.72977	36.25555	3.13E-10	9.74E-08	2.35E-08	9.65E-14	2.91E-13	2.3E-13	2.05E-16	4.95E-15	2.74E-16	5.43342E-15	3.128E-10	9.739E-08	2.35E-08	9.87297E-14	8.2933E-16	4.92792E-14	1.37982E-16
126	571350.6	4178039	0.55, 41780	0.39399	0.35989	0.2835	182.95784	62.01914	299.45287	22.86973	11.81322	37.43161	3.32E-10	9.33E-08	2.3E-08	1.02E-13	3.09E-13	2.44E-13	2.18E-16	5.26E-15	2.9E-16	5.76824E-15	3.321E-10	9.3291E-08	2.3E-08	1.04814E-13	8.80434E-16	5.23158E-14	1.46484E-16
127	571390.6	4178039	0.55, 41780	0.4222	0.3733	0.32107	164.47464	56.17724	258.72398	20.55933	10.13431	32.3405	3.48E-10	8.31E-08	2.05E-08	1.08E-13	3.25E-13	2.56E-13	2.28E-16	5.52E-15	3.05E-16	6.05233E-15	3.484E-10	8.308E-08	2.05E-08	1.09976E-13	9.23796E-16	5.48924E-14	1.53699E-16
128	571430.6	4178039	0.55, 41780	0.44026	0.38105	0.3744	146.31006	45.8458	221.86738	18.28876	9.60517	27.73342	3.61E-10	6.99E-08	1.81E-08	1.12E-13	3.37E-13	2.66E-13	2.37E-16	5.72E-15	3.16E-16	6.27688E-15	3.614E-10	6.9947E-08	1.81E-08	1.14056E-13	9.5807E-16	5.6929E-14	1.59401E-16
129	571470.6	4178039	0.55, 41780	0.44344	0.3799	0.42037	134.05635	35.96521	154.66668	16.75704	8.42199	19.33334	3.66E-10	5.45E-08	1.6E-08	1.13E-13	3.41E-13	2.69E-13	2.4E-16	5.79E-15	3.2E-16	6.35063E-15	3.656E-10	5.4455E-08	1.6E-08	1.15396E-13	9.69327E-16	5.75978E-14	1.61274E-16
130	571510.6	4178039	0.55, 41780	0.43369	0.37075	0.44522	135.2804	26.4112	176.84451	16.91005	8.14543	22.10556	3.61E-10	4.97E-08	1.64E-08	1.11E-13	3.36E-13	2.65E-13	2.36E-16	5.71E-15	3.15E-16	6.26297E-15	3.606E-10	4.9749E-08	1.64E-08	1.13803E-13	9.55947E-16	5.68028E-14	1.59048E-16
131	571550.6	4178039	0.55, 41780	0.4157	0.35641	0.44493	128.00174	25.24959	172.96462	16.00022	7.84928	21.62058	3.48E-10	4.79E-08	1.56E-08	1.07E-13	3.25E-13	2.56E-13	2.28E-16	5.52E-15	3.05E-16	6.0499E-15	3.483E-10	4.786E-08	1.56E-08	1.09932E-13	9.23425E-16	5.48703E-14	1.53637E-16
132	571590.6	4178039	0.55, 41780	0.38889	0.33646	0.4222	114.21376	28.264	151.26331	14.27672	7.21894	18.90791	3.29E-10	4.67E-08	1.39E-08	1.01E-13	3.06E-13	2.42E-13	2.16E-16	5.21E-15	2.87E-16	5.71005E-15	3.287E-10	4.6669E-08	1.39E-08	1.03756E-13	8.71553E-16	5.17881E-14	1.45007E-16
133	570310.6	4178079	0.55, 41780	0.09792	0.07296	0.09477	71.40728	28.01469	77.09789	8.92591	4.66912	9.63724	7.28E-11	3.51E-08	8.44E-09	2.25E-14	6.78E-14	5.36E-14	4.77E-17	1.15E-15	6.36E-17	1.26396E-15	7.277E-11	3.5072E-08	8.44E-09	2.29672E-14	1.92924E-16	1.14636E-14	3.20982E-17
134	570350.6	4178079	0.55, 41780	0.1067	0.08065	0.10312	70.03301	29.10671	80.22931	8.75413	4.85112	10.02866	8.01E-11	3.61E-08	8.34E-09	2.47E-14	7.47E-14	5.9E-14	5.25E-17	1.27E-15	7.01E-17	1.39193E-15	8.014E-11	3.6103E-08	8.34E-09	2.52925E-14	2.12457E-16	1.26243E-14	3.53481E-17
135	570390.6	4178079	0.55, 41780	0.11641	0.08948	0.11242	73.93226	30.15719	77.81828	9.24153	5.0262	9.72728	8.85E-11	3.7E-08	8.71E-09	2.73E-14	8.25E-14	6.52E-14	5.81E-17	1.4E-15	7.74E-17	1.53781E-15	8.854E-11	3.6963E-08	8.71E-09	2.79432E-14	2.34723E-16	1.39473E-14	3.90525E-17
136	570430.6	4178079	0.55, 41780	0.12715	0.09969	0.12302	79.99098	31.34254	86.52141	9.99887	5.20891	10.81518	9.82E-11	3.93E-08	9.46E-09	3.03E-14	9.15E-14	7.23E-14	6.44E-17	1.56E-15	8.59E-17	1.70548E-15	9.819E-11	3.9275E-08	9.46E-09	3.099E-14	2.60316E-16	1.54681E-14	4.33107E-17
137	570470.6	4178079	0.55, 41780	0.13857	0.11144	0.13449	81.53824	32.65768	88.86509	10.19228	5.39019	11.10814	1.09E-10	4.06E-08	9.65E-09	3.37E-14	1.02E-13	8.03E-14	7.16E-17	1.73E-15	9.54E-17	1.89575E-15	1.091E-10	4.0635E-08	9.65E-09	3.44473E-14	2.89357E-16	1.71937E-14	4.81425E-17
138	570510.6	4178079	0.55, 41780	0.15049	0.12507	0.14657	87.75299	34.11951	95.20757	10.96912	5.60116	11.90095	1.22E-10	4.29E-08	1.04E-08	3.75E-14	1.13E-13	8.95E-14	7.97E-17	1.93E-15	1.06E-16	2.11227E-15	1.216E-10	4.2919E-08	1.04E-08	3.83817E-14	3.22406E-16	1.91575E-14	5.36411E-17
139	570550.6	4178079	0.55, 41780	0.16198	0.14034	0.1583	91.64015	35.64897	104.22382	11.45502	5.99366	13.02798	1.35E-10	4.53E-08	1.09E-08	4.17E-14	1.26E-13	9.95E-14	8.87E-17	2.14E-15	1.18E-16	2.34883E-15	1.352E-10	4.5339E-08	1.09E-08	4.26801E-14	3.58513E-16	2.1303E-14	5.96484E-17
140	570590.6	4178079	0.55, 41780	0.17272	0.15744	0.16968	88.35639	37.38874	105.88084	11.57204	6.46071	13.23511	1.5E-10	4.65E-08	1.1E-08	4.63E-14	1.4E-13	1.1E-13	9.84E-17	2.38E-15	1.31E-16	2.60741E-15	1.501E-10	4.6538E-08	1.1E-08	4.73787E-14	3.97981E-16	2.36482E-14	6.62151E-17
141	570630.6	4178079	0.55, 41780	0.1831	0.1763	0.17984	101.08083	39.23196	114.54818	12.6351	7.02353	14.31852	1.66E-10	4.99E-08	1.2E-08	5.13E-14	1.55E-13	1.22E-13	1.09E-16	2.63E-15	1.45E-16	2.88609E-15	1.662E-10	4.9899E-08	1.2E-08	5.24426E-14	4.40518E-16	2.61758E-14	7.32922E-17
142	570670.6	4178079	0.55, 41780	0.19537	0.19687	0.18849	125.63761	41.20021	131.91916	15.7047	8.22231	16.4899	1.83E-10	5.53E-08	1.48E-08	5.66E-14	1.71E-13	1.35E-13	1.2E-16	2.91E-15	1.6E-16	3.18699E-15	1.835E-10	5.5267E-08	1.48E-08	5.79101E-14	4.86445E-16	2.89048E-14	8.09334E-17
143	570710.6	4178079	0.55, 41780	0.21241	0.21933	0.20096	144.38379	43.29239	151.59141	18.04797	9.29195	18.94893	2.03E-10	6.05E-08	1.7E-08	6.26E-14	1.89E-13	1.49E-13	1.33E-16	3.22E-15	1.78E-16	3.52638E-15	2.03E-10	6.048E-08	1.7E-08	6.40773E-14	5.38249E-16	3.1983E-14	8.95524E-17
144	570750.6	4178079	0.55, 41780	0.23537	0.24332	0.2221	149.96792	48.92505	154.1756	18.74599	10.23	23.04389	2.25E-10	6.54E-08	1.8E-08	6.95E-14	2.1E-13	1.66E-13	1.48E-16	3.57E-15	1.97E-16	3.91016E-15	2.251E-10	6.5433E-08	1.8E-08	7.10508E-14	5.96826E-16	3.54637E-14	9.92984E-17
145	570790.6	4178079	0.55, 41780	0.26445	0.26867	0.24585	159.48841	56.15329	178.05216	19.93605	11.24377	22.79466	2.49E-10	7.42E-08	1.9E-08	7.68E-14	2.32E-13	1.83E-13	1.63E-16	3.94E-15	2.18E-16	4.32532E-15	2.49E-10	7.4152E-08	1.9E-08	7.85945E-14	6.60194E-16	3.9229E-14	1.09841E-16
146	570830.6	4178079	0.55, 41780	0.30001	0.29551	0.27029	164.85959	59.75168	177.78875	20.60745	12.43332	22.22359	2.75E-10	7.73E-08	1.95E-08	8.48E-14	2.56E-13	2.02E-13	1.8E-16	4.35E-15	2.4E-16	4.77056E-15	2.747E-10	7.7267E-08	1.95E-08	8.6685E-14	7.28154E-16	4.32673E-14	1.21148E-16
147	570870.6	4178079	0.55, 41780	0.34051	0.32416	0.30185	178.96906	63.85658	203.22306	22.37113	13.91568	25.40288	3.03E-10	8.42E-08	2.13E-08	9.34E-14	2.82E-13	2.23E-13	1.99E-16	4.8E-15	2.65E-16	5.25956E-15	3.028E-10	8.4201E-08	2.13E-08	9.55704E-14	8.02791E-16	4.77022E-14	1.33566E-16
148	570910.6	4178079	0.55, 41780	0.37529	0.35313	0.33459	192.82824	68.49057	229.7632	24.10353	15.26079	28.7204	3.31E-10	9.16E-08	2.31E-08	1.02E-13	3.08E-13	2.43E-13	2.17E-16	5.24E-15	2.89E-16	5.7465E-15	3.308E-10	9.1626E-08	2.31E-08	1.04418E-13	8.77115E-16	5.21186E-14	1.45932E-16
149	570950.6	4178079	0.55, 41780	0.39192	0.37725	0.35493	199.56835	75.56845	241.42387	26.9715	14.65967	30.17798	3.52E-10	9.87E-08	2.56E-08	1.09E-13	3.28E-13	2.59E-13	2.31E-16	5.58E-15	3.08E-16	6.12124E-15	3.524E-10	9.8713E-08	2.56E-08	1.11228E-13	9.34314E-16	5.55174E-14	1.55449E-16
150	570990.6	4178079	0.55, 41780	0.38624	0.39167	0.34038	209.52387	83.72546	270.89556	31.32288	13.79848	33.86195	3.61E-10	1.09E-07	2.96E-08	1.11E-13	3.37E-13	2.66E-13	2.37E-16	5.72E-15	3.16E-16	6.2736E-15	3.612E-10	1.0875E-07	2.96E-08	1.13996E-13	9.5757E-16	5.68993E-14	1.59318E-16
151	571030.6	4178079	0.55, 41780	0.36706	0.40059	0.31708	238.62537	94.19927	346.28961	34.73297	15.69988	52.33117	3.64E-10	1.27E-07	3.44E-08	1.12E-13	3.39E-13	2.68E-13	2.39E-16	5.76E-15	3.18E-16	6.3188E-15	3.638E-10	1.2697E-07	3.44E-08	1.14818E-13	9.64469E-16	5.73092E-14	1.60466E-16
152	571070.6	4178079	0.55, 41780	0.35702	0.41066	0.29659	228.92087	105.90077	368.47625	31.45005	16.61116	46.05953	3.68E-10	1.37E-07	3.1E-08	1.14E-13	3.43E-13	2.71E-13	2.42E-16	5.83E-15	3.22E-16	6.39744E-15	3.683E-10	1.3723E-07	3.1E-08	1.16247E-13	9.76472E-16	5.80224E-14	1.62463E-16
153	571110.6	4178079	0.55, 41780	0.35812	0.41418	0.29542	212.64364	104.08221	374.64105	34.6648	20.98986	46.90606	3.71E-10	1.35E-07	3.38E-08	1.14E-13	3.46E-13	2.73E-13	2.43E-16	5.88E-15	3.24E-16	6.44262E-15	3.709E-10	1.3515E-07	3.38E-08	1.17068E-13	9.83368E-16	5.84322E-14	1.6361E-16
154	571150.6	4178079	0.55, 41780	0.37758	0.42317	0.31748	239.48451	117.47672	371.65504	34.21207	20.38272	60.67868	3.82E-10	1.47E-07	3.48E-08	1.18E-13	3.56E-13	2.81E-13	2.5E-16	6.04E-15	3.34E-16	6.62816E-15	3.816E-10	1.4711E-07	3.48E-08	1.20439E-13	1.01169E-15	6.0115E-14	1.68322E-16
155	571190.6	4178079	0.55, 41780	0.41277	0.43447	0.31013	228.77572	115.09155	359.73847	28.66724	20.67403	44.96731	3.92E-10	1.43E-07	2.86E-08	1.21E-13	3.65E-13	2.89E-13	2.57E-16	6.21E-15	3.43E-16	6.81294E-15	3.922E-10	1.4317E-07	2.86E-08	1.23797E-13	1.03989E-15	6.17908E-14	1.73014E-16
156	571230.6	4178079	0.55, 41780	0.46673	0.45732	0.33128	219.54291	100.98995	305.404	27.44286	18.56894	43.62914	4.16E-10	1.26E-07	2.74E-08	1.28E-13	3.88E-13	3.06E-13	2.73E-16	6.59E-15	3.64E-16	7.22726E-15	4.161E-10	1.2614E-07	2.74E-08	1.31325E-13	1.10313E-15	6.55486E-14	1.83536E-16
157	571270.6	4178079	0.55, 41780	0.53318	0.48578	0.3586	215.1929	81.06645	332.5769	26.89911	17.27973	41.57211	4.46E-10	1.14E-07	2.68E-08	1.38E-13	4.15E-13	3.28E-13	2.92E-16	7.06E-15	3.9E-16	7.74398E-15	4.458E-10	1.1373E-07	2.68E-08	1.40714E-13	1.182E-15	7.02351E-14	1.96658E-16
158	571310.6	4178079	0.55, 41780	0.58671	0.50689	0.39805	205.97464	69.75551	363.05687	25.74683	14.70822	45.38211	4.7E-10	1.08E-07	2.62E-08	1.45E-13	4.38E-13	3.46E-13	3.08E-16	7.45E-15	4.11E-16	8.16853E-15	4.703E-10	1.0771E-07	2.62E-08	1.48429E-13	1.2468E-15	7.40856E-14	2.0744E-16
159	571350.6	4178079	0.55, 41780	0.61439	0.51569	0.46686	184.46358	62.8789	316.33591	23.05795	12.5762	39.54199	4.86E-10	9.58E-08	2.33E-08	1.5E-13	4.53E-13	3.58E-13	3.19E-16	7.7E-15	4.25E-16	8.44909E-15	4.864E-10	9.5837E-08	2.33E-08	1.53527E-13	1.28962E-15	7.66301E-14	2.14564E-16
160	571390.6	4178079	0.55, 41780	0.61879	0.51229	0.54521	162.6235	50.78632	251.98298	20.32794	11.67282	31.49787	4.93E-10	7.82E-08	2.02E-08	1.52E-13	4.59E-13	3.62E-13	3.23E-16	7.8E-15	4.31E-16	8.55459E-15	4.925E-10	7.8184E-08	2.02E-08	1.55444E-13	1.30573E-15	7.7587E-14	2.17244E-16
161	571430.6	4178079	0.55, 41780	0.60477	0.49855	0.60294	157.24404	39.05995	207.2573	19.65551	9.99401	25.90716	4.87E-10	6.43E-08	1.91E-08	1.5E-13	4.54E-13	3.59E-13	3.19E-16	7.72E-15	4.26E-16	8.46119E-15	4.871E-10	6.4257E-08	1.91E-08	1.53747E-13	1.29147E-15	7.67399E-14	2.14872E-16
162	571470.6	4178079	0.55, 41780	0.57311	0.47467	0.61341	152.07991	30.59352	215.52596	19.00999	9.68796	26.94074	4.68E-10	5.84E-08	1.86E-08	1.44E-13	4.36E-13	3.44E-13	3.07E-16	7.41E-15	4.09E-16	8.1239E-15	4.677E-10	5.8362E-08	1.86E-08	1.47618E-13	1.23999E-15	7.36808E-14	2.06306E-16
163	571510.6	4178079	0.55, 41780	0.53465	0.44658	0.58613	137.55383	33.88214	191.36045	17.19423	8.95455	23.92006	4.41E-10	5.71E-08	1.68E-08	1.36E-13	4.11E-13	3.24E-13	2.89E-16	6.98E-15	3.85E-16	7.65299E-15	4.406E-10	5.7054E-08	1.68E-08	1.39061E-13	1.16811E-15	6.94098E-14	1.94347E-16
164	571550.6	4178079	0.55, 41780	0.48548	0.41212	0.53241	120.13532	36.07438	157.49519	15.01691	7.90342	19.6869	4.05E-10	5.37E-08	1.46E-08	1.25E-13	3.77E-13	2.98E-13	2.66E-16	6.42E-15	3.54E-16	7.03536E-15	4.05E-10	5.3663E-08	1.46E-08	1.27838E-13	1.07384E-15	6.38081E-14	1.78663E-16
165	571590.6	4178079	0.55, 41780	0.43445	0.37558	0.47142	108.95419	37.19094	141.55637	13.61927	6.74143	17.69455	3.67E-10	5.19E-08	1.32E-08	1.13E-13	3.42E-13	2.7E-13	2.41E-16	5.81E-15	3.21E-16	6.3747E-15	3.67E-10	5.1879E-08	1.32E-08	1.15833E-13	9.73001E-16	5.78162E-14	1.61885E-16
166	570310.6	4178119	0.55, 41781	0.10149	0.07442	0.09774	69.0748	28.05035	78.28908	8.63435	4.67506	9.78613	7.45E-11	3.5E-08	8.21E-09	2.3E-14	6.94E-14	5.48E-14	4.88E-17	1.18E-15	6.51E-17	1.29357E-15	7.447E-11	3.5028E-08	8.21E-09	2.35052E-14	1.97444E-16	1.17322E-14	3.28502E-17
167	570350.6	4178119	0.55, 41781	0.11138	0.08273	0.10725	79.07973	29.62524	82.98136	9.88497	4.93754	10.37267	8.25E-11	3.75E-08	9.31E-09	2.55E-14	7.69E-14	6.07E-14	5.41E-17	1.31E-15	7.22E-17	1.43334E-15	8.252E-11	3.7542E-08	9.31E-09	2.60449E-14	2.18777E-16	1.29999E-14	3.63996E-17
168	570390.6	4178119	0.55, 41781	0.12249	0.09237	0.11775	81.81771	30.97041	92.38822	10.22721	5.16174	11.54853	9.18E-11	3.98E-08	9.72E-09	2.83E-14	8.55E-14	6.75E-14	6.02E-17	1.45E-15	8.02E-17	1.59397E-15	9.177E-11	3.9768E-08	9.72E-09	2.89638E-14	2.43296E-16	1.44567E-14	4.04789E-17
169	570430.6	4178119	0.55, 41781	0.13492	0.10362	0.12964	81.48606	32.23138	89.13007	10.18576	5.3719	11.14126	1.02E-10	4.03E-08	9.65E-09	3.16E-14	9.55E-14	7.54E-14	6.72E-17	1.62E-15	8.96E-17	1.77999E-15	1.025E-10	4.034E-08	9.65E-09	3.23438E-14	2.71688E-16	1.61438E-14	4.52027E-17
170	570470.6	4178119	0.55, 41781	0.14882	0.11683	0.14311	90.82614	33.6686	97.62505	11.35327	5.5932	12.20313	1.15E-10	4.31E-08	1.07E-08	3.55E-14	1.07E-13	8.46E-14	7.54E-17	1.82E-15	1E-16	1.99649E-15	1.149E-10	4.3095E-08	1.07E-08	3.62779E-14	3.04735E-16	1.81075E-14	5.07009E-17
171	570510.6	4178119	0.55, 41781	0.16361	0.13228	0.15796	92.34034	35.20886	102.68913	11.54254	5.82093	12.83614	1.29E-10	4.49E-08	1.1E-08	3.99E-14	1.2E-13	9.52E-14	8.48E-17	2.05E-15	1.13E-16	2.24592E-15	1.293E-10	4.4907E-08	1.1E-08	4.08101E-14	3.42805E-16	2.03696E-14	5.7035E-17
172	570550.6	4178119	0.55, 41781	0.17911	0.1505	0.17388	100.11195	36.92243	110.21215	12.51399	6.33987	13.77652	1.46E-10	4.76E-08	1.19E-08	4.5E-14	1.36E-13	1.07E-13	9.57E-17	2.31E-15	1.28E-16	2.5343E-15	1.459E-10	4.7634E-08	1.19E-08	4.60504E-14	3.86823E-16	2.29852E-14	6.43586E-17
173	570590.6	4178119	0.55, 41781	0.19374	0.17125	0.18923	103.74737	38.76233	121.67682	12.96842	6.89651	15.2096	1.64E-10	5.05E-08	1.24E-08	5.07E-14	1.53E-13	1.21E-13	1.08E-16	2.6E-15	1.44E-16	2.85324E-15	1.643E-10	5.0523E-08	1.24E-08	5.18456E-14	4.35503E-16	2.58778E-14	7.24578E-17
174	570630.6	4178119	0.55, 41781	0.2069	0.19483	0.20326	104.63966	41.01094	121.05227	13.84797	7.49161	15.13153	1.84E-10	5.22E-08	1.31E-08	5.69E-14	1.72E-13	1.36E-13	1.21E-16	2.92E-15	1.61E-16	3.20436E-15	1.845E-10	5.2213E-08	1.31E-08	5.82257E-14	4.89096E-16	2.90623E-14	8.13745E-17
175	570670.6	4178119	0.55, 41781	0.21998	0.22122	0.21442	115.58367	43.51142	138.36153	15.0671	8.60459	17.29519	2.06E-10	5.68E-08	1.44E-08	6.37E-14	1.92E-13	1.52E-13	1.35E-16	3.27E-15	1.81E-16	3.58661E-15	2.065E-10	5.6826E-08	1.44E-08	6.51715E-14	5.47441E-16	3.25292E-14	9.10818E-17
176	570710.6	4178119	0.55, 41781	0.23703	0.25104	0.22497	127.12041	45.98226	134.54184	16.41254	9.96819	16.81773	2.31E-10	5.92E-08	1.54E-08	7.14E-14	2.16E-13	1.7E-13	1.52E-16	3.66E-15	2.02E-16	4.01809E-15	2.313E-10	5.9243E-08	1.54E-08	7.3012E-14	6.13301E-16	3.64426E-14	1.02039E-16
177	570750.6	4178119	0.55, 41781	0.26187	0.28441	0.24496	163.41699	49.64069	173.69321	20.42712	11.18287	24.67477	2.6E-10	6.92E-08	1.96E-08	8.04E-14	2.43E-13	1.92E-13	1.71E-16	4.13E-15	2.28E-16	4.52433E-15	2.605E-10	6.9155E-08	1.96E-08	8.22107E-14	6.9057E-16	4.1034E-14	1.14895E-16
178	570790.6	4178119	0.55, 41781	0.29707	0.32177	0.27572	189.30326	59.79186	203.13563	23.66291	12.3939	25.39195	2.95E-10	8.2E-08	2.24E-08	9.09E-14	2.74E-13	2.17E-13	1.93E-16	4.67E-15	2.58E-16	5.11722E-15	2.946E-10	8.2023E-08	2.24E-08	9.29841E-14	7.81066E-16	4.64113E-14	1.29952E-16
179	570830.6	4178119	0.55, 41781	0.34574	0.3643	0.31009	193.11502	64.55328	210.79637	24.13938	13.76558	26.34955	3.34E-10	8.67E-08	2.29E-08	1.03E-13	3.11E-13	2.46E-13	2.19E-16	5.29E-15	2.92E-16	5.80356E-15	3.341E-10	8.671E-08	2.29E-08	1.05455E-13	8.85825E-16	5.26361E-14	1.47381E-16
180	570870.6	4178119	0.55, 41781	0.41228	0.41342	0.35667	202.8381	69.60981	241.64288	25.35476	15.49628	31.6123	3.81E-10	9.46E-08	2.44E-08	1.18E-13	3.55E-13	2.81E-13	2.5E-16	6.04E-15	3.33E-16	6.62393E-15	3.814E-10	9.4556E-08	2.44E-08	1.20362E-13	1.01104E-15	6.00766E-14	1.68214E-16
181	570910.6	4178119	0.55, 41781	0.49003	0.46844	0.41739	224.50761	75.3478	268.49725	28.06345	17.99511	33.56216	4.35E-10	1.03E-07	2.69E-08	1.34E-13	4.06E-13	3.2E-13	2.86E-16	6.9E-15	3.81E-16	7.56316E-15	4.354E-10	1.035E-07	2.69E-08	1.37429E-13	1.1544E-15	6.85951E-14	1.92066E-16
182	570950.6	4178119	0.55, 41781	0.55455	0.52056	0.48015	237.44511	82.6149	307.44591	31.19836	20.61697	38.43074	4.86E-10	1.14E-07	3E-08	1.5E-13	4.53E-13	3.58E-13	3.19E-16	7.7E-15	4.25E-16	8.44911E-15	4.864E-10	1.1412E-07	3E-08	1.53527E-13	1.28963E-15	7.66304E-14	2.14565E-16
183	570990.6	4178119	0.55, 41781	0.59019	0.56679	0.49805	260.70129	98.30209	347.94815	39.14578	18.7176	43.49352	5.26E-10	1.32E-07	3.71E-08	1.62E-13	4.9E-13	3.87E-13	3.45E-16	8.33E-15	4.6E-16	9.13434E-15	5.259E-10	1.3207E-07	3.71E-08	1.65978E-13	1.39422E-15	8.28451E-14	2.31966E-16
184	571030.6	4178119	0.55, 41781	0.58003	0.59593	0.46436	288.08817	110.38847	394.82286	43.41155	19.84321	60.28631	5.43E-10	1.48E-07	4.25E-08	1.68E-13	5.06E-13	4E-13	3.56E-16	8.61E-15	4.75E-16	9.43632E-15	5.433E-10	1.4834E-07	4.25E-08	1.71466E-13	1.44031E-15	8.5584E-14	2.39635E-16
185	571070.6	4178119	0.55, 41781	0.56003	0.61401	0.43624	281.59163	124.26135	479.69295	39.26934	23.95732	65.06151	5.52E-10	1.67E-07	3.95E-08	1.7E-13	5.14E-13	4.06E-13	3.62E-16	8.75E-15	4.83E-16	9.59047E-15	5.521E-10	1.671E-07	3.95E-08	1.74267E-13	1.46384E-15	8.6982E-14	2.4355E-16
186	571110.6	4178119	0.55, 41781	0.57497	0.62965	0.42923	279.23237	138.16088	507.21032	41.39356	27.39628	63.69191	5.64E-10	1.8E-07	4.11E-08	1.74E-13	5.26E-13	4.15E-13	3.7E-16	8.94E-15	4.93E-16	9.80262E-15	5.644E-10	1.8019E-07	4.11E-08	1.78122E-13	1.49622E-15	8.89061E-14	2.48937E-16
187	571150.6	4178119	0.55, 41781	0.64473	0.65929	0.45591	273.06399	137.55558	506.75735	37.77228	27.34359	77.75635	5.95E-10	1.79E-07	3.96E-08	1.84E-13	5.55E-13	4.38E-13	3.9E-16	9.43E-15	5.2E-16	1.03383E-14	5.952E-10	1.7917E-07	3.96E-08	1.87856E-13	1.57799E-15	9.37649E-14	2.62542E-16
188	571190.6	4178119	0.55, 41781	0.76806	0.70549	0.46182	260.36357	120.74038	479.78233	32.90288	24.49294	68.54033	6.41E-10	1.63E-07	3.46E-08	1.98E-13	5.97E-13	4.72E-13	4.2E-16	1.01E-14	5.6E-16	1.11295E-14	6.408E-10	1.6269E-07	3.46E-08	2.02232E-13	1.69875E-15	1.0094E-13	2.82633E-16
189	571230.6	4178119	0.55, 41781	0.88147	0.74364	0.51839	250.38438	100.21062	435.42985	31.29805	22.32262	54.42873	6.85E-10	1.42E-07	3.18E-08	2.11E-13	6.38E-13	5.04E-13	4.49E-16	1.08E-14	5.99E-16	1.18942E-14	6.848E-10	1.4183E-07	3.18E-08	2.16127E-13	1.81547E-15	1.07876E-13	3.02053E-16
190	571270.6	4178119	0.55, 41781	0.94057	0.75526	0.59724	235.31349	80.57107	462.41399	29.41419	18.81416	57.80175	7.07E-10	1.29E-07	3.06E-08	2.18E-13	6.58E-13	5.2E-13	4.63E-16	1.12E-14	6.18E-16	1.22757E-14	7.067E-10	1.2872E-07	3.06E-08	2.23059E-13	1.8737E-15	1.11336E-13	3.11741E-16
191	571310.6	4178119	0.55, 41781	0.94266	0.74202	0.72716	211.76846	71.48368	401.12341	26.47106	15.9259	50.14043	7.11E-10	1.13E-07	2.73E-08	2.19E-13	6.62E-13	5.23E-13	4.66E-16	1.13E-14	6.21E-16	1.23443E-14	7.107E-10	1.1349E-07	2.73E-08	2.24306E-13	1.88417E-15	1.11958E-13	3.13483E-16
192	571350.6	4178119	0.55, 41781	0.90909	0.71255	0.85266	184.59351	57.17412	286.57244	23.07419	14.42847	35.82155	6.99E-10	8.85E-08	2.3E-08	2.16E-13	6.51E-13	5.14E-13	4.58E-16	1.11E-14	6.11E-16	1.21419E-14	6.99E-10	8.845E-08	2.3E-08	2.20628E-13	1.85328E-15	1.10123E-13	3.08343E-16
193	571390.6	4178119	0.55, 41781	0.85308	0.67145	0.90336	182.88204	42.90716	275.98695	22.86025	12.27464	34.49837	6.69E-10	7.65E-08	2.26E-08	2.06E-13	6.23E-13	4.92E-13	4.39E-16	1.06E-14	5.85E-16	1.16189E-14	6.689E-10	7.6525E-08	2.26E-08	2.11125E-13	1.77345E-15	1.05379E-13	2.95062E-16
194	571430.6	4178119	0.55, 41781	0.78	0.62166	0.86624	169.0522	41.64549	252.50347	21.13153	11.39175	31.56293	6.22E-10	7.19E-08	2.09E-08	1.92E-13	5.79E-13	4.58E-13	4.08E-16	9.85E-15	5.44E-16	1.07976E-14	6.216E-10	7.1946E-08	2.09E-08	1.96201E-13	1.64809E-15	9.793E-14	2.74204E-16
195	571470.6	4178119	0.55, 41781	0.69763	0.567	0.77646	144.82238	43.55007	199.26025	18.1028	10.0864	24.90753	5.64E-10	6.57E-08	1.77E-08	1.74E-13	5.26E-13	4.15E-13	3.7E-16	8.94E-15	4.93E-16	9.80313E-15	5.644E-10	6.5726E-08	1.77E-08	1.78131E-13	1.4963E-15	8.89108E-14	2.4895E-16
196	571510.6	4178119	0.55, 41781	0.61632	0.51188	0.67545	129.07456	44.20691	173.84445	16.93315	8.5721	21.73056	5.06E-10	6.22E-08	1.64E-08	1.56E-13	4.71E-13	3.72E-13	3.32E-16	8.01E-15	4.42E-16	8.78374E-15	5.057E-10	6.2216E-08	1.64E-08	1.59608E-13	1.34071E-15	7.96653E-14	2.23063E-16
197	571550.6	4178119	0.55, 41781	0.53701	0.45659	0.57828	116.13448	43.6354	149.52645	16.99831	7.6971	20.20244	4.47E-10	5.81E-08	1.63E-08	1.38E-13	4.17E-13	3.29E-13	2.93E-16	7.09E-15	3.91E-16	7.77209E-15	4.475E-10	5.814E-08	1.63E-08	1.41225E-13	1.18629E-15	7.049E-14	1.97372E-16
198	571590.6	4178119	0.55, 41781	0.46599	0.40463	0.49394	103.06511	42.01095	133.93422	16.60125	6.75955	20.50745	3.94E-10	5.42E-08	1.6E-08	1.22E-13	3.67E-13	2.9E-13	2.58E-16	6.24E-15	3.44E-16	6.83926E-15	3.938E-10	5.4184E-08	1.6E-08	1.24275E-13	1.04391E-15	6.20295E-14	1.73683E-16
199	570310.6	4178159	0.55, 41781	0.10452	0.07557	0.10002	83.14681	27.07322	89.45551	10.39335	4.47805	11.18194	7.58E-11	3.67E-08	9.82E-09	2.34E-14	7.07E-14	5.58E-14	4.97E-17	1.2E-15	6.63E-17	1.3171E-15	7.583E-11	3.6657E-08	9.82E-09	2.39329E-14	2.01036E-16	1.19457E-14	3.34478E-17
200	570350.6	4178159	0.55, 41781	0.1156	0.08446	0.11071	83.51332	29.37807	93.62995	10.43917	4.89635	11.70374	8.45E-11	3.89E-08	9.92E-09	2.61E-14	7.88E-14	6.22E-14	5.54E-17	1.34E-15	7.39E-17	1.4683E-15	8.453E-11	3.8851E-08	9.92E-09	2.66802E-14	2.24114E-16	1.3317E-14	3.72875E-17
201	570390.6	4178159	0.55, 41781	0.12828	0.09489	0.12282	85.72091	31.44775	90.10823	10.71511	5.24129	11.26353	9.47E-11	4.02E-08	1.01E-08	2.92E-14	8.82E-14	6.97E-14	6.21E-17	1.5E-15	8.28E-17	1.64444E-15	9.467E-11	4.0214E-08	1.01E-08	2.98807E-14	2.50998E-16	1.49144E-14	4.17604E-17
202	570430.6	4178159	0.55, 41781	0.14269	0.1072	0.13639	94.53138	33.159	104.73347	11.81642	5.5265	13.09168	1.07E-10	4.38E-08	1.12E-08	3.29E-14	9.92E-14	7.84E-14	6.98E-17	1.69E-15	9.31E-17	1.85018E-15	1.065E-10	4.3774E-08	1.12E-08	3.36193E-14	2.82402E-16	1.67805E-14	4.69853E-17
203	570470.6	4178159	0.55, 41781	0.15906	0.12183	0.15182	91.68652	34.69147	109.10852	11.46082	5.78191	13.63857	1.2E-10	4.51E-08	1.1E-08	3.72E-14	1.12E-13	8.87E-14	7.9E-17	1.91E-15	1.05E-16	2.09233E-15	1.205E-10	4.5141E-08	1.1E-08	3.80193E-14	3.19362E-16	1.89766E-14	5.31345E-17
204	570510.6	4178159	0.55, 41781	0.17738	0.13933	0.16931	103.8828	36.49731	110.76271	12.98534	6.04456	13.84534	1.37E-10	4.77E-08	1.23E-08	4.23E-14	1.28E-13	1.01E-13	8.98E-17	2.17E-15	1.2E-16	2.37836E-15	1.369E-10	4.7692E-08	1.23E-08	4.32167E-14	3.6302E-16	2.15708E-14	6.03983E-17
205	570550.6	4178159	0.55, 41781	0.19733	0.16029	0.18927	106.21161	38.46337	121.82569	13.27645	6.62676	15.22821	1.56E-10	5.05E-08	1.26E-08	4.83E-14	1.46E-13	1.15E-13	1.03E-16	2.48E-15	1.37E-16	2.71622E-15	1.564E-10	5.0522E-08	1.26E-08	4.9356E-14	4.1459E-16	2.46352E-14	6.89784E-17
206	570590.6	4178159	0.55, 41781	0.21794	0.18524	0.21062	115.65264	40.48441	129.80552	14.45658	7.37316	16.22569	1.79E-10	5.37E-08	1.37E-08	5.52E-14	1.67E-13	1.32E-13	1.17E-16	2.84E-15	1.57E-16	3.10941E-15	1.79E-10	5.3668E-08	1.37E-08	5.65006E-14	4.74605E-16	2.82012E-14	7.89635E-17
207	570630.6	4178159	0.55, 41781	0.23707	0.21436	0.23118	118.44365	42.79741	144.28442	14.80546	8.08317	18.03555	2.05E-10	5.72E-08	1.42E-08	6.31E-14	1.91E-13	1.51E-13	1.34E-16	3.24E-15	1.79E-16	3.55315E-15	2.046E-10	5.7156E-08	1.42E-08	6.45636E-14	5.42334E-16	3.22257E-14	9.02321E-17
208	570670.6	4178159	0.55, 41781	0.25383	0.24795	0.24882	124.95922	45.84094	144.90734	15.6199	8.90031	18.11342	2.33E-10	6E-08	1.49E-08	7.19E-14	2.17E-13	1.71E-13	1.53E-16	3.69E-15	2.04E-16	4.04613E-15	2.329E-10	6.0046E-08	1.49E-08	7.35215E-14	6.1758E-16	3.66969E-14	1.02751E-16
209	570710.6	4178159	0.55, 41781	0.27135	0.28697	0.26135	131.25248	49.29697	162.49426	17.47805	10.6966	20.31178	2.65E-10	6.5E-08	1.67E-08	8.17E-14	2.47E-13	1.95E-13	1.74E-16	4.2E-15	2.32E-16	4.6014E-15	2.649E-10	6.5011E-08	1.67E-08	8.36112E-14	7.02334E-16	4.1733E-14	1.16852E-16
210	570750.6	4178159	0.55, 41781	0.29528	0.33222	0.27619	146.48828	52.90094	155.94977	21.86848	12.23914	22.93785	3.02E-10	6.83E-08	2.06E-08	9.33E-14	2.82E-13	2.23E-13	1.98E-16	4.79E-15	2.64E-16	5.25118E-15	3.023E-10	6.83E-08	2.06E-08	9.54181E-14	8.01512E-16	4.76262E-14	1.33353E-16
211	570790.6	4178159	0.55, 41781	0.33253	0.38536	0.30655	168.4296	63.37031	207.44804	22.18934	13.75991	31.3643	3.48E-10	8.34E-08	2.18E-08	1.08E-13	3.25E-13	2.56E-13	2.28E-16	5.52E-15	3.05E-16	6.05127E-15	3.484E-10	8.3395E-08	2.18E-08	1.09956E-13	9.23636E-16	5.48828E-14	1.53672E-16
212	570830.6	4178159	0.55, 41781	0.39122	0.44987	0.34708	226.40986	70.88867	244.94075	28.30123	15.58224	30.61759	4.06E-10	9.78E-08	2.68E-08	1.25E-13	3.78E-13	2.99E-13	2.66E-16	6.43E-15	3.55E-16	7.04896E-15	4.058E-10	9.7844E-08	2.68E-08	1.28085E-13	1.07592E-15	6.39315E-14	1.79008E-16
213	570870.6	4178159	0.55, 41781	0.48272	0.53035	0.408	262.06298	76.1106	293.39264	32.75787	17.58972	36.67408	4.8E-10	1.1E-07	3.11E-08	1.48E-13	4.47E-13	3.53E-13	3.15E-16	7.6E-15	4.2E-16	8.33931E-15	4.801E-10	1.0985E-07	3.11E-08	1.51532E-13	1.27287E-15	7.56345E-14	2.11777E-16
214	570910.6	4178159	0.55, 41781	0.61652	0.63133	0.50366	261.24493	84.17228	335.42472	32.65562	20.33398	41.92809	5.77E-10	1.2E-07	3.16E-08	1.78E-13	5.38E-13	4.25E-13	3.78E-16	9.14E-15	5.04E-16	1.00213E-14	5.769E-10	1.2023E-07	3.16E-08	1.82094E-13	1.52959E-15	9.08892E-14	2.5449E-16
215	570950.6	4178159	0.55, 41781	0.78722	0.75662	0.63069	286.12528	93.97029	373.71712	38.09436	25.30252	46.71464	6.98E-10	1.34E-07	3.66E-08	2.16E-13	6.51E-13	5.14E-13	4.58E-16	1.11E-14	6.11E-16	1.21302E-14	6.984E-10	1.3368E-07	3.66E-08	2.20416E-13	1.85149E-15	1.10017E-13	3.08047E-16
216	570990.6	4178159	0.55, 41781	0.95557	0.89576	0.74297	303.7283	113.02353	445.40224	49.39935	30.83627	55.67528	8.28E-10	1.57E-07	4.7E-08	2.56E-13	7.72E-13	6.1E-13	5.43E-16	1.31E-14	7.24E-16	1.43887E-14	8.284E-10	1.5695E-07	4.7E-08	2.61454E-13	2.19621E-15	1.305E-13	3.654E-16
217	571030.6	4178159	0.55, 41781	1.0701	1.00768	0.7637	365.27865	135.92516	512.48146	63.89384	29.33742	70.31034	9.24E-10	1.86E-07	6.06E-08	2.85E-13	8.61E-13	6.8E-13	6.06E-16	1.46E-14	8.08E-16	1.60475E-14	9.239E-10	1.8632E-07	6.06E-08	2.91597E-13	2.44941E-15	1.45545E-13	4.07526E-16
218	571070.6	4178159	0.55, 41781	1.06935	1.07923	0.71312	382.13438	155.20031	662.82772	54.74849	37.25068	94.68967	9.72E-10	2.18E-07	5.55E-08	3E-13	9.06E-13	7.15E-13	6.37E-16	1.54E-14	8.5E-16	1.68832E-14	9.72E-10	2.1797E-07	5.55E-08	3.06781E-13	2.57696E-15	1.53124E-13	4.28747E-16
219	571110.6	4178159	0.55, 41781	1.19831	1.16386	0.6846	373.85472	174.62021	736.75515	53.40782	39.37776	93.09067	1.04E-09	2.4E-07	5.42E-08	3.22E-13	9.72E-13	7.68E-13	6.84E-16	1.65E-14	9.12E-16	1.81187E-14	1.043E-09	2.3958E-07	5.42E-08	3.29231E-13	2.76554E-15	1.6433E-13	4.60124E-16
220	571150.6	4178159	0.55, 41781	1.53671	1.26322	0.72724	331.2731	149.81574	693.97089	50.26616	34.67292	96.78528	1.15E-09	2.13E-07	5.2E-08	3.55E-13	1.07E-12	8.47E-13	7.54E-16	1.82E-14	1.01E-15	1.99819E-14	1.15E-09	2.1294E-07	5.2E-08	3.63087E-13	3.04993E-15	1.81228E-13	5.0744E-16
221	571190.6	4178159	0.55, 41781	1.71324	1.27647	0.80447	303.51531	125.05743	565.89383	43.45807	29.97586	80.84198	1.18E-09	1.79E-07	4.47E-08	3.65E-13	1.1E-12	8.71E-13	7.76E-16	1.87E-14	1.03E-15	2.05533E-14	1.183E-09	1.7862E-07	4.47E-08	3.7347E-13	3.13715E-15	1.86411E-13	5.21951E-16
222	571230.6	4178159	0.55, 41781	1.67997	1.21931	0.99011	277.00255	96.22407	622.39581	36.53844	24.95568	77.79948	1.16E-09	1.61E-07	3.86E-08	3.57E-13	1.08E-12	8.52E-13	7.59E-16	1.83E-14	1.01E-15	2.01017E-14	1.157E-09	1.6077E-07	3.86E-08	3.65264E-13	3.06822E-15	1.82315E-13	5.10482E-16
223	571270.6	4178159	0.55, 41781	1.56347	1.13234	1.265	251.98402	83.18585	536.39129	31.498	20.71301	67.04891	1.11E-09	1.4E-07	3.33E-08	3.43E-13	1.04E-12	8.18E-13	7.29E-16	1.76E-14	9.72E-16	1.93044E-14	1.111E-09	1.3987E-07	3.33E-08	3.50776E-13	2.94652E-15	1.75084E-13	4.90234E-16
224	571310.6	4178159	0.55, 41781	1.42012	1.03692	1.45126	223.09845	65.85457	360.16353	27.88731	18.21453	45.02044	1.05E-09	1.06E-07	2.79E-08	3.23E-13	9.76E-13	7.71E-13	6.87E-16	1.66E-14	9.16E-16	1.8196E-14	1.048E-09	1.0593E-07	2.79E-08	3.30637E-13	2.77735E-15	1.65031E-13	4.62088E-16
225	571350.6	4178159	0.55, 41781	1.26306	0.93714	1.42084	212.7442	53.05659	355.96566	26.59303	15.01468	44.49571	9.57E-10	9.5E-08	2.68E-08	2.95E-13	8.91E-13	7.04E-13	6.27E-16	1.52E-14	8.36E-16	1.66149E-14	9.566E-10	9.5045E-08	2.68E-08	3.01906E-13	2.53601E-15	1.50691E-13	4.21935E-16
226	571390.6	4178159	0.55, 41781	1.10199	0.83709	1.24864	185.92823	54.01949	274.01244	23.24103	13.29114	34.25155	8.5E-10	8.49E-08	2.29E-08	2.62E-13	7.92E-13	6.26E-13	5.57E-16	1.35E-14	7.43E-16	1.47652E-14	8.501E-10	8.4882E-08	2.29E-08	2.68297E-13	2.25369E-15	1.33915E-13	3.74963E-16
227	571430.6	4178159	0.55, 41781	0.9418	0.73869	1.04204	159.26436	53.60229	222.79179	21.61583	11.2268	27.84897	7.41E-10	7.69E-08	2.09E-08	2.29E-13	6.91E-13	5.46E-13	4.86E-16	1.17E-14	6.48E-16	1.28754E-14	7.413E-10	7.6935E-08	2.09E-08	2.33957E-13	1.96524E-15	1.16775E-13	3.26971E-16
228	571470.6	4178159	0.55, 41781	0.79447	0.64516	0.85663	139.92539	51.85557	187.30754	21.06215	9.90602	27.91527	6.39E-10	7.03E-08	2.05E-08	1.97E-13	5.96E-13	4.71E-13	4.19E-16	1.01E-14	5.59E-16	1.11064E-14	6.394E-10	7.0266E-08	2.05E-08	2.01812E-13	1.69522E-15	1.00731E-13	2.82046E-16
229	571510.6	4178159	0.55, 41781	0.67282	0.56206	0.7111	120.25585	49.92459	159.61818	19.96311	8.50885	26.60303	5.52E-10	6.43E-08	1.94E-08	1.7E-13	5.14E-13	4.06E-13	3.62E-16	8.74E-15	4.82E-16	9.58322E-15	5.517E-10	6.4252E-08	1.94E-08	1.74135E-13	1.46273E-15	8.69162E-14	2.43365E-16
230	571550.6	4178159	0.55, 41781	0.57423	0.48972	0.59807	110.64777	47.57404	144.95635	18.4413	7.31081	24.15939	4.77E-10	6.01E-08	1.79E-08	1.47E-13	4.45E-13	3.51E-13	3.13E-16	7.56E-15	4.17E-16	8.29295E-15	4.774E-10	6.0142E-08	1.79E-08	1.5069E-13	1.26579E-15	7.5214E-14	2.10599E-16
231	571590.6	4178159	0.55, 41781	0.49292	0.42713	0.50772	100.4908	44.5532	128.72625	16.74847	6.44552	21.45437	4.14E-10	5.53E-08	1.62E-08	1.28E-13	3.86E-13	3.05E-13	2.72E-16	6.56E-15	3.62E-16	7.19603E-15	4.143E-10	5.532E-08	1.62E-08	1.30758E-13	1.09837E-15	6.52654E-14	1.82743E-16
232	570310.6	4178199	0.55, 41781	0.10691	0.07648	0.10208	81.28791	24.55019	79.664	10.16099	3.94128	9.958	7.69E-11	3.36E-08	9.5E-09	2.37E-14	7.17E-14	5.66E-14	5.04E-17	1.22E-15	6.73E-17	1.33618E-15	7.693E-11	3.3584E-08	9.5E-09	2.42795E-14	2.03948E-16	1.21187E-14	3.39323E-17
233	570350.6	4178199	0.55, 41781	0.11881	0.08587	0.11329	92.41038	27.80697	96.15133	11.5513	4.55912	12.01892	8.61E-11	3.87E-08	1.09E-08	2.66E-14	8.02E-14	6.34E-14	5.65E-17	1.36E-15	7.53E-17	1.49602E-15	8.613E-11	3.8691E-08	1.09E-08	2.7184E-14	2.28345E-16	1.35684E-14	3.79915E-17
234	570390.6	4178199	0.55, 41781	0.13286	0.09703	0.12666	98.9418	30.67703	108.4605	12.36772	5.11284	13.55756	9.71E-11	4.27E-08	1.17E-08	3E-14	9.04E-14	7.14E-14	6.36E-17	1.54E-15	8.49E-17	1.68594E-15	9.706E-11	4.2682E-08	1.17E-08	3.0635E-14	2.57334E-16	1.52909E-14	4.28145E-17
235	570430.6	4178199	0.55, 41781	0.14935	0.11037	0.14231	98.24021	33.47488	112.67373	12.28003	5.57915	14.08422	1.1E-10	4.52E-08	1.17E-08	3.4E-14	1.03E-13	8.1E-14	7.22E-17	1.74E-15	9.62E-17	1.91191E-15	1.101E-10	4.5158E-08	1.17E-08	3.4741E-14	2.91824E-16	1.73403E-14	4.8553E-17
236	570470.6	4178199	0.55, 41781	0.1686	0.12646	0.16043	107.25905	35.76824	115.05444	13.40738	5.96137	14.38181	1.26E-10	4.79E-08	1.27E-08	3.88E-14	1.17E-13	9.25E-14	8.24E-17	1.99E-15	1.1E-16	2.18215E-15	1.256E-10	4.7883E-08	1.27E-08	3.96514E-14	3.33071E-16	1.97913E-14	5.54155E-17
237	570510.6	4178199	0.55, 41781	0.19081	0.14598	0.18108	111.923	37.71142	131.96286	13.99038	6.28524	16.49536	1.44E-10	5.15E-08	1.34E-08	4.45E-14	1.34E-13	1.06E-13	9.46E-17	2.29E-15	1.26E-16	2.50588E-15	1.443E-10	5.1508E-08	1.34E-08	4.55338E-14	3.82484E-16	2.27274E-14	6.36367E-17
238	570550.6	4178199	0.55, 41781	0.21602	0.16987	0.20494	119.57772	40.00549	129.21029	14.94721	6.67621	16.15129	1.67E-10	5.36E-08	1.41E-08	5.15E-14	1.55E-13	1.23E-13	1.09E-16	2.64E-15	1.46E-16	2.89662E-15	1.668E-10	5.3578E-08	1.41E-08	5.26339E-14	4.42124E-16	2.62712E-14	7.35595E-17
239	570590.6	4178199	0.55, 41781	0.24388	0.19917	0.2325	124.08345	42.52786	147.10165	15.51043	7.78928	18.38771	1.94E-10	5.77E-08	1.48E-08	5.98E-14	1.81E-13	1.43E-13	1.27E-16	3.07E-15	1.7E-16	3.36825E-15	1.939E-10	5.7726E-08	1.48E-08	6.12039E-14	5.14112E-16	3.05488E-14	8.55367E-17
240	570630.6	4178199	0.55, 41781	0.27242	0.23473	0.26214	135.79301	45.13025	156.31523	16.97413	8.73982	19.5394	2.26E-10	6.16E-08	1.62E-08	6.97E-14	2.11E-13	1.66E-13	1.48E-16	3.58E-15	1.98E-16	3.92598E-15	2.26E-10	6.1628E-08	1.62E-08	7.13383E-14	5.99242E-16	3.56072E-14	9.97002E-17
241	570670.6	4178199	0.55, 41781	0.29828	0.27729	0.29064	136.89517	48.04336	174.48935	17.44831	9.65486	21.81117	2.63E-10	6.58E-08	1.68E-08	8.12E-14	2.45E-13	1.94E-13	1.72E-16	4.17E-15	2.3E-16	4.56862E-15	2.63E-10	6.5811E-08	1.68E-08	8.30155E-14	6.9733E-16	4.14357E-14	1.1602E-16
242	570710.6	4178199	0.55, 41781	0.321	0.32818	0.31291	151.98197	52.23375	185.24815	19.68934	11.4382	23.15602	3.05E-10	7.13E-08	1.88E-08	9.42E-14	2.84E-13	2.25E-13	2E-16	4.84E-15	2.67E-16	5.30345E-15	3.053E-10	7.1347E-08	1.88E-08	9.6368E-14	8.09491E-16	4.81003E-14	1.34681E-16
243	570750.6	4178199	0.55, 41781	0.34558	0.38955	0.32771	144.14265	57.26085	196.68908	22.53194	13.53855	24.58613	3.55E-10	7.56E-08	2.13E-08	1.09E-13	3.31E-13	2.61E-13	2.33E-16	5.62E-15	3.1E-16	6.16345E-15	3.548E-10	7.565E-08	2.13E-08	1.11995E-13	9.40757E-16	5.59002E-14	1.56521E-16
244	570790.6	4178199	0.55, 41781	0.38143	0.46429	0.35275	173.32889	66.95506	241.81218	25.57778	15.36352	36.58263	4.16E-10	9.01E-08	2.51E-08	1.28E-13	3.88E-13	3.06E-13	2.73E-16	6.6E-15	3.64E-16	7.23228E-15	4.164E-10	9.0104E-08	2.51E-08	1.31416E-13	1.1039E-15	6.55941E-14	1.83664E-16
245	570830.6	4178199	0.55, 41781	0.44289	0.55991	0.39405	200.31972	78.9407	262.23048	28.47462	17.66262	37.4615	4.97E-10	1.03E-07	2.76E-08	1.53E-13	4.63E-13	3.66E-13	3.26E-16	7.88E-15	4.35E-16	8.63945E-15	4.974E-10	1.0349E-07	2.76E-08	1.56986E-13	1.31868E-15	7.83567E-14	2.19399E-16
246	570870.6	4178199	0.55, 41781	0.55133	0.6879	0.45528	245.75399	83.68372	263.19795	34.28137	20.83884	36.18743	6.09E-10	1.11E-07	3.23E-08	1.88E-13	5.67E-13	4.48E-13	3.99E-16	9.64E-15	5.32E-16	1.05721E-14	6.087E-10	1.1096E-07	3.23E-08	1.92104E-13	1.61368E-15	9.58855E-14	2.68479E-16
247	570910.6	4178199	0.55, 41781	0.74216	0.86472	0.57468	353.61381	98.21675	387.24795	44.20173	24.01316	48.40599	7.7E-10	1.44E-07	4.19E-08	2.37E-13	7.17E-13	5.66E-13	5.05E-16	1.22E-14	6.73E-16	1.33658E-14	7.695E-10	1.4396E-07	4.19E-08	2.42868E-13	2.04009E-15	1.21223E-13	3.39424E-16
248	570950.6	4178199	0.55, 41781	1.08517	1.1274	0.77671	376.11466	111.85514	479.74888	52.74149	29.33795	59.96861	1.02E-09	1.66E-07	5.02E-08	3.14E-13	9.47E-13	7.48E-13	6.66E-16	1.61E-14	8.88E-16	1.76481E-14	1.016E-09	1.6579E-07	5.02E-08	3.20681E-13	2.69372E-15	1.60062E-13	4.48173E-16
249	570990.6	4178199	0.55, 41781	1.58976	1.56693	1.05873	410.19015	135.68135	559.12982	68.60008	44.06737	76.18548	1.42E-09	1.95E-07	6.51E-08	4.37E-13	1.32E-12	1.04E-12	9.29E-16	2.24E-14	1.24E-15	2.46097E-14	1.417E-09	1.9483E-07	6.51E-08	4.47178E-13	3.75629E-15	2.23201E-13	6.24962E-16
250	571030.6	4178199	0.55, 41781	2.42958	2.27373	1.377	561.74649	191.25505	728.04918	107.05418	55.40677	100.45619	2.05E-09	2.67E-07	9.96E-08	6.32E-13	1.91E-12	1.51E-12	1.34E-15	3.25E-14	1.79E-15	3.55987E-14	2.05E-09	2.6692E-07	9.96E-08	6.46857E-13	5.4336E-15	3.22867E-13	9.04028E-16
251	571070.6	4178199	0.55, 41781	3.58306	3.18041	1.39903	721.18769	259.71405	966.70756	139.44796	73.67892	146.94766	2.83E-09	3.57E-07	1.31E-07	8.72E-13	2.63E-12	2.08E-12	1.85E-15	4.48E-14	2.47E-15	4.91007E-14	2.827E-09	3.5665E-07	1.31E-07	8.92199E-13	7.49447E-15	4.45325E-13	1.24691E-15
252	571110.6	4178199	0.55, 41781	5.26167	3.22788	1.2956	536.30163	206.72583	1199.13306	116.57539	57.94295	153.9862	2.99E-09	3.26E-07	1.13E-07	9.24E-13	2.79E-12	2.2E-12	1.96E-15	4.74E-14	2.62E-15	5.1983E-14	2.993E-09	3.2592E-07	1.13E-07	9.44572E-13	7.93441E-15	4.71466E-13	1.32011E-15
253	571150.6	4178199	0.55, 41781	4.55265	2.7214	1.43074	406.82024	165.14744	1078.46551	75.27018	43.84452	138.95995	2.57E-09	2.71E-07	7.72E-08	7.93E-13	2.39E-12	1.89E-12	1.68E-15	4.07E-14	2.25E-15	4.46156E-14	2.569E-09	2.7123E-07	7.72E-08	8.10701E-13	6.80989E-15	4.04647E-13	1.13301E-15
254	571190.6	4178199	0.55, 41781	3.6655	2.27193	1.9191	348.88414	129.45816	921.59929	55.11772	35.12171	118.18584	2.21E-09	2.23E-07	5.83E-08	6.82E-13	2.06E-12	1.63E-12	1.45E-15	3.5E-14	1.93E-15	3.83738E-14	2.209E-09	2.2316E-07	5.83E-08	6.97282E-13	5.85717E-15	3.48036E-13	9.74501E-16

255	571230.6	4178199	0.55, 41781	2.99647	1.91661	2.63905	311.11499	100.77545	780.81724	44.29874	28.05958	97.60216	1.96E-09	1.84E-07	4.71E-08	6.06E-13
256	571270.6	4178199	0.55, 41781	2.48655	1.63354	2.7833	275.28639	78.6156	563.64868	36.03295	23.70769	70.45609	1.72E-09	1.41E-07	3.74E-08	5.32E-13
257	571310.6	4178199	0.55, 41781	2.04979	1.39182	2.36332	251.65063	69.80646	418.93362	31.45633	18.505	52.3667	1.46E-09	1.17E-07	3.17E-08	4.51E-13
258	571350.6	4178199	0.55, 41781	1.66907	1.18291	1.84305	207.71058	67.17721	304.96385	28.41822	15.5683	43.42728	1.22E-09	9.98E-08	2.82E-08	3.76E-13
259	571390.6	4178199	0.55, 41781	1.33874	0.99933	1.42084	175.53523	63.93291	243.3206	26.80029	13.20173	40.55343	1.01E-09	8.82E-08	2.66E-08	3.11E-13
260	571430.6	4178199	0.55, 41781	1.08215	0.84466	1.12094	146.49279	60.30749	207.71024	24.41546	11.02968	34.61837	8.41E-10	7.93E-08	2.4E-08	2.59E-13
261	571470.6	4178199	0.55, 41781	0.88511	0.71494	0.90372	129.54701	55.96987	172.11269	21.59117	9.33698	28.68545	7.04E-10	7.09E-08	2.1E-08	2.17E-13
262	571510.6	4178199	0.55, 41781	0.73336	0.60746	0.74181	112.64977	51.14316	142.69265	18.77496	8.40942	23.78211	5.94E-10	6.27E-08	1.81E-08	1.83E-13
263	571550.6	4178199	0.55, 41781	0.6189	0.52125	0.62191	97.68282	46.08498	120.36205	16.28047	7.59304	20.06034	5.07E-10	5.53E-08	1.57E-08	1.57E-13
264	571590.6	4178199	0.55, 41781	0.52714	0.45016	0.52751	84.87826	41.93857	102.67653	14.14638	6.8553	17.11275	4.36E-10	4.93E-08	1.36E-08	1.35E-13
265	570310.6	4178239	0.55, 41782	0.10871	0.07725	0.10419	69.36135	22.19632	77.30253	9.49069	3.20395	10.55794	7.79E-11	3.06E-08	9.01E-09	2.4E-14
266	570350.6	4178239	0.55, 41782	0.12097	0.08699	0.11543	80.24676	23.95533	77.73127	10.03084	3.79637	10.6184	8.74E-11	3.28E-08	9.46E-09	2.7E-14
267	570390.6	4178239	0.55, 41782	0.13576	0.09875	0.129	97.68381	28.15369	96.07123	12.21048	4.56788	12.0089	9.88E-11	3.94E-08	1.14E-08	3.05E-14
268	570430.6	4178239	0.55, 41782	0.15369	0.11303	0.14573	112.57412	32.01468	119.02369	14.07177	5.30028	14.87796	1.13E-10	4.59E-08	1.33E-08	3.48E-14
269	570470.6	4178239	0.55, 41782	0.17542	0.1305	0.16624	120.86213	35.6675	135.90431	15.10777	5.94458	16.98804	1.3E-10	5.11E-08	1.44E-08	4.01E-14
270	570510.6	4178239	0.55, 41782	0.20166	0.15208	0.19089	118.29832	38.86505	139.27939	14.78729	6.47751	17.40992	1.51E-10	5.37E-08	1.41E-08	4.65E-14
271	570550.6	4178239	0.55, 41782	0.23297	0.17899	0.21994	134.82021	41.51275	155.81716	16.85253	6.91879	19.47714	1.77E-10	5.88E-08	1.61E-08	5.45E-14
272	570590.6	4178239	0.55, 41782	0.26933	0.21289	0.25402	138.182	44.61865	161.93184	17.27275	7.89914	20.24148	2.09E-10	6.2E-08	1.65E-08	6.44E-14
273	570630.6	4178239	0.55, 41782	0.31001	0.25571	0.29378	151.57706	47.88426	180.12829	18.94713	9.37801	22.51604	2.48E-10	6.75E-08	1.81E-08	7.66E-14
274	570670.6	4178239	0.55, 41782	0.35129	0.30919	0.33746	163.01094	51.1286	193.67566	20.37637	10.66356	24.20946	2.96E-10	7.23E-08	1.95E-08	9.14E-14
275	570710.6	4178239	0.55, 41782	0.3879	0.37553	0.37852	161.77129	55.27243	215.9147	21.46966	11.91574	26.98934	3.53E-10	7.77E-08	2.07E-08	1.09E-13
276	570750.6	4178239	0.55, 41782	0.41955	0.45853	0.40652	185.09687	61.2613	243.75059	24.33831	15.0229	31.56234	4.21E-10	8.7E-08	2.36E-08	1.3E-13
277	570790.6	4178239	0.55, 41782	0.45531	0.56517	0.42739	195.76674	71.16962	229.68596	30.0466	17.67317	35.54387	5.06E-10	9.39E-08	2.87E-08	1.56E-13
278	570830.6	4178239	0.55, 41782	0.51729	0.70869	0.46924	186.14136	86.93814	313.42291	30.32646	20.0795	44.72862	6.23E-10	1.14E-07	2.99E-08	1.92E-13
279	570870.6	4178239	0.55, 41782	0.63421	0.91745	0.53024	225.98347	96.3139	311.28977	37.66391	24.81387	41.34654	7.95E-10	1.24E-07	3.57E-08	2.45E-13
280	570910.6	4178239	0.55, 41782	0.85302	1.23442	0.65693	293.13359	117.47886	326.7744	47.06613	30.6738	48.00957	1.06E-09	1.47E-07	4.42E-08	3.28E-13
281	570950.6	4178239	0.55, 41782	1.35023	1.79208	0.88884	455.80102	142.22416	478.03953	68.40553	39.86266	68.50221	1.55E-09	1.95E-07	6.41E-08	4.77E-13
282	570990.6	4178239	0.55, 41782	3.0182	3.06414	1.32054	885.93977	193.04223	771.54657	147.1874	58.20401	96.44332	2.68E-09	3E-07	1.33E-07	8.28E-13
283	571030.6	4178239	0.55, 41782	7.70332	4.46365	2.30139	679.65913	243.63294	1123.21669	144.28562	71.78775	156.8655	4.23E-09	3.58E-07	1.37E-07	1.3E-12
284	571110.6	4178239	0.55, 41782	48.37684	13.76668	3.52906	1082.14109	288.2044	2417.61379	441.33003	115.9324	328.07057	1.47E-08	5.61E-07	4.02E-07	4.55E-12
285	571150.6	4178239	0.55, 41782	14.38318	6.22649	4.84511	550.93904	192.81003	1871.63269	147.46183	59.89562	339.77194	6.38E-09	3.88E-07	1.58E-07	1.97E-12
286	571190.6	4178239	0.55, 41782	8.08563	4.10425	7.76231	423.01159	138.20819	1326.9025	88.76631	43.45879	203.98194	4.57E-09	2.79E-07	9.53E-08	1.41E-12
287	571230.6	4178239	0.55, 41782	5.48613	3.01374	6.36519	364.79857	99.98669	820.37732	64.1708	32.88659	114.5851	3.39E-09	1.92E-07	6.54E-08	1.04E-12
288	571270.6	4178239	0.55, 41782	3.91656	2.30583	4.21608	308.69657	91.16262	501.73471	42.97299	25.31404	83.35946	2.5E-09	1.47E-07	4.45E-08	7.71E-13
289	571310.6	4178239	0.55, 41782	2.81911	1.80691	2.86031	238.76095	82.99282	368.88984	36.57222	19.65898	61.48164	1.89E-09	1.21E-07	3.69E-08	5.83E-13
290	571350.6	4178239	0.55, 41782	2.07392	1.43877	2.07081	186.98174	75.01218	257.12826	31.16362	15.62493	42.85471	1.47E-09	9.89E-08	3.04E-08	4.53E-13
291	571390.6	4178239	0.55, 41782	1.57003	1.1589	1.56847	153.36435	67.14235	200.39228	25.56072	13.28221	31.13336	1.16E-09	8.42E-08	2.45E-08	3.59E-13
292	571430.6	4178239	0.55, 41782	1.23548	0.94866	1.2378	124.99719	59.46648	164.5542	20.83286	11.6734	24.18073	9.44E-10	7.23E-08	1.99E-08	2.91E-13
293	571470.6	4178239	0.55, 41782	0.99131	0.7845	0.9961	109.3041	54.21436	142.14876	17.2339	10.26711	19.9293	7.75E-10	6.47E-08	1.64E-08	2.39E-13
294	571510.6	4178239	0.55, 41782	0.81688	0.65976	0.82266	100.30585	50.40167	129.05875	14.55844	9.03737	16.96469	6.49E-10	5.97E-08	1.39E-08	2E-13
295	571550.6	4178239	0.55, 41782	0.68618	0.56281	0.69258	92.19218	46.80105	116.817	12.52836	7.96128	14.60636	5.51E-10	5.5E-08	1.2E-08	1.7E-13
296	571590.6	4178239	0.55, 41782	0.57854	0.48285	0.58537	84.94405	43.3686	105.85184	10.89629	7.01254	13.23148	4.71E-10	5.07E-08	1.05E-08	1.45E-13
297	570310.6	4178279	0.55, 41782	0.11004	0.07807	0.10589	74.04292	22.79319	77.67346	10.17864	3.64675	10.70288	7.88E-11	3.15E-08	9.59E-09	2.43E-14
298	570350.6	4178279	0.55, 41782	0.12249	0.08802	0.11726	80.9847	23.74961	88.18196	11.08549	3.81596	12.05595	8.85E-11	3.39E-08	1.05E-08	2.73E-14
299	570390.6	4178279	0.55, 41782	0.13757	0.10016	0.13084	86.03589	24.80698	96.47388	11.74551	4.00404	13.13274	1E-10	3.59E-08	1.12E-08	3.09E-14
300	570430.6	4178279	0.55, 41782	0.15607	0.11514	0.14747	96.31741	27.84204	100.58043	12.03968	4.46456	13.6645	1.15E-10	3.95E-08	1.15E-08	3.54E-14
301	570470.6	4178279	0.55, 41782	0.17907	0.13378	0.16835	120.52086	33.01708	119.41006	15.06511	5.41696	14.92626	1.33E-10	4.74E-08	1.41E-08	4.1E-14
302	570510.6	4178279	0.55, 41782	0.20795	0.15724	0.19497	141.57577	37.85068	153.41811	17.69697	6.30845	19.17726	1.56E-10	5.64E-08	1.67E-08	4.8E-14
303	570550.6	4178279	0.55, 41782	0.24435	0.18714	0.22876	153.17347	42.50173	177.88461	19.14668	7.08362	22.23558	1.85E-10	6.34E-08	1.83E-08	5.7E-14
304	570590.6	4178279	0.55, 41782	0.28993	0.22577	0.27077	157.86485	46.41285	177.78268	19.73311	7.73548	22.22284	2.22E-10	6.67E-08	1.88E-08	6.84E-14
305	570630.6	4178279	0.55, 41782	0.34541	0.27631	0.32199	169.89337	50.77009	212.69617	21.23667	9.57894	26.58702	2.7E-10	7.46E-08	2.05E-08	8.32E-14
306	570670.6	4178279	0.55, 41782	0.40869	0.34273	0.38328	189.16159	55.36754	226.13934	23.6452	11.64813	28.26742	3.31E-10	8.11E-08	2.26E-08	1.02E-13
307	570710.6	4178279	0.55, 41782	0.47241	0.42944	0.45188	202.37611	59.97812	249.97635	25.29701	13.4468	31.24704	4.08E-10	8.82E-08	2.43E-08	1.26E-13
308	570750.6	4178279	0.55, 41782	0.52143	0.53099	0.51003	207.36077	66.44988	280.46815	28.38204	16.35494	35.05852	4.95E-10	9.67E-08	2.73E-08	1.53E-13
309	570790.6	4178279	0.55, 41782	0.56782	0.69623	0.54766	217.33897	75.80804	318.83899	33.24185	20.36018	42.96761	6.26E-10	1.09E-07	3.22E-08	1.93E-13
310	570830.6	4178279	0.55, 41782	0.62461	0.91706	0.58168	236.67869	94.57659	403.572	34.09074	24.90976	60.93237	7.99E-10	1.33E-07	3.48E-08	2.47E-13
311	570870.6	4178279	0.55, 41782	0.74364	1.27032	0.64347	232.57719	121.10786	430.4482	38.76287	29.17824	53.80602	1.08E-09	1.55E-07	3.79E-08	3.33E-13
312	570910.6	4178279	0.55, 41782	0.98087	1.94043	0.78377	289.58181	139.00222	423.1545	48.26363	45.30681	59.61258	1.62E-09	1.73E-07	4.64E-08	4.99E-13
313	570950.6	4178279	0.55, 41782	1.54705	3.33468	1.05206	380.89662	209.14004	464.4183	63.48277	60.99964	77.40305	2.73E-09	2.37E-07	6.1E-08	8.44E-13
314	571150.6	4178279	0.55, 41782	125.5821	15.27099	61.53709	2183.625	235.47088	4321.7852	1020.3296	115.3363	966.08792	2.85E-08	8.15E-07	9.5E-07	8.78E-12
315	571190.6	4178279	0.55, 41782	19.14498	7.50998	20.68123	704.1647	157.76938	1300.13062	186.41477	61.8786	262.75525	9.4E-09	3.14E-07	1.83E-07	2.9E-12
316	571230.6	4178279	0.55, 41782	9.41744	4.44398	9.68706	418.2482	120.63814	710.71948	87.01567	39.51148	138.35634	5.14E-09	2E-07	8.69E-08	1.58E-12
317	571270.6	4178279	0.55, 41782	5.33507	3.02277	5.65407	265.61255	99.06709	486.13138	58.88721	29.56115	89.94232	3.3E-09	1.48E-07	5.85E-08	1.02E-12
318	571310.6	4178279	0.55, 41782	3.44949	2.20529	3.73581	197.38222	83.78037	349.19747	42.40574	23.44903	62.97539	2.33E-09	1.16E-07	4.19E-08	7.2E-13
319	571350.6	4178279	0.55, 41782	2.42474	1.67304	2.63741	164.77993	74.08708	262.11907	31.82391	19.20475	45.98547	1.73E-09	9.69E-08	3.13E-08	5.35E-13
320	571390.6	4178279	0.55, 41782	1.80332	1.30805	1.94946	139.62437	66.18564	204.22507	24.75802	16.07748	34.84377	1.34E-09	8.27E-08	2.43E-08	4.12E-13
321	571430.6	4178279	0.55, 41782	1.38872	1.04688	1.49158	120.07885	59.47148	164.54693	19.78612	13.66223	27.17412	1.06E-09	7.19E-08	1.93E-08	3.26E-13
322	571470.6	4178279	0.55, 41782	1.11171	0.86066	1.18684	104.95004	53.66694	136.91558	16.34545	11.81303	21.87493	8.62E-10	6.34E-08	1.59E-08	2.66E-13
323	571510.6	4178279	0.55, 41782	0.90331	0.71725	0.95952	92.95227	48.50847	116.77816	13.70064	10.27697	17.93941	7.13E-10	5.64E-08	1.33E-08	2.2E-13
324	571550.6	4178279	0.55, 41782	0.74685	0.60641	0.79002	83.35854	43.88956	102.16829	11.6678	9.00306	14.97338	5.99E-10	5.06E-08	1.13E-08	1.85E-13
325	571590.6	4178279	0.55, 41782	0.63093	0.52161	0.66513	75.57295	41.1264	91.05382	10.11638	7.96472	12.7323	5.13E-10	4.67E-08	9.76E-09	1.58E-13

514	571310.6	4178559	0.55, 41785	1.01245	1.08581	1.02025	169.23295	65.49002	155.67948	26.6418	16.91234	25.18935	1E-09	7.96E-08	2.48E-08	3.1E-13	9.36E-13	7.39E-13	6.59E-16	1.59E-14	8.78E-16	1.74469E-14	1.004E-09	7.9599E-08	2.48E-08	3.17023E-13	2.663E-15	1.58237E-13	4.43062E-16
515	571350.6	4178559	0.55, 41785	0.8838	0.94242	0.90608	194.09519	63.64749	285.0024	28.90026	14.99354	40.61241	8.74E-10	9.39E-08	2.83E-08	2.7E-13	8.15E-13	6.44E-13	5.73E-16	1.38E-14	7.65E-16	1.51878E-14	8.744E-10	9.3925E-08	2.83E-08	2.75975E-13	2.31819E-15	1.37748E-13	3.85695E-16
516	571390.6	4178559	0.55, 41785	0.78025	0.82372	0.8159	158.10154	57.98385	206.74246	23.81897	12.89204	30.22211	7.67E-10	7.84E-08	2.3E-08	2.37E-13	7.15E-13	5.65E-13	5.03E-16	1.22E-14	6.71E-16	1.333E-14	7.674E-10	7.8424E-08	2.3E-08	2.42217E-13	2.03462E-15	1.20898E-13	3.38515E-16
517	571430.6	4178559	0.55, 41785	0.68512	0.72115	0.71821	137.68904	52.2569	180.06144	18.93914	11.62385	25.68604	6.72E-10	6.96E-08	1.85E-08	2.08E-13	6.27E-13	4.95E-13	4.41E-16	1.07E-14	5.88E-16	1.16803E-14	6.725E-10	6.9615E-08	1.85E-08	2.1224E-13	1.78281E-15	1.05936E-13	2.9662E-16
518	571470.6	4178559	0.55, 41785	0.60049	0.63425	0.62389	143.56241	49.93475	187.32246	19.90478	10.29716	25.60594	5.9E-10	6.91E-08	1.93E-08	1.82E-13	5.5E-13	4.35E-13	3.87E-16	9.35E-15	5.16E-16	1.02555E-14	5.904E-10	6.9137E-08	1.93E-08	1.86351E-13	1.56535E-15	9.30139E-14	2.60439E-16
519	571510.6	4178559	0.55, 41785	0.52736	0.56045	0.5447	131.02036	47.72087	167.66109	18.26486	8.99798	23.11602	5.21E-10	6.44E-08	1.76E-08	1.61E-13	4.85E-13	3.83E-13	3.41E-16	8.25E-15	4.55E-16	9.04539E-15	5.208E-10	6.4357E-08	1.76E-08	1.64362E-13	1.38064E-15	8.20384E-14	2.29707E-16
520	571550.6	4178559	0.55, 41785	0.46874	0.49944	0.48529	99.50634	45.73793	109.0385	14.05158	8.03042	15.4257	4.64E-10	5.41E-08	1.33E-08	1.43E-13	4.32E-13	3.41E-13	3.04E-16	7.35E-15	4.06E-16	8.05874E-15	4.64E-10	5.4051E-08	1.33E-08	1.46434E-13	1.23004E-15	7.30898E-14	2.04651E-16
521	571590.6	4178559	0.55, 41785	0.42104	0.44786	0.43792	63.39282	43.98321	60.02596	9.17705	7.35207	9.24249	4.16E-10	4.45E-08	8.61E-09	1.28E-13	3.88E-13	3.06E-13	2.73E-16	6.6E-15	3.64E-16	7.23253E-15	4.164E-10	4.454E-08	8.61E-09	1.31421E-13	1.10394E-15	6.55964E-14	1.8367E-16
522	570310.6	4178599	0.55, 41785	0.10507	0.08466	0.09914	83.25071	28.48032	95.05484	11.19876	3.62883	12.56574	8.26E-11	3.83E-08	1.06E-08	2.55E-14	7.69E-14	6.08E-14	5.41E-17	1.31E-15	7.22E-17	1.43435E-15	8.258E-11	3.8308E-08	1.06E-08	2.60633E-14	2.18932E-16	1.3009E-14	3.64253E-17
523	570350.6	4178599	0.55, 41785	0.11716	0.09561	0.10985	88.57329	30.33455	103.53599	11.44069	3.79182	12.942	9.29E-11	4.1E-08	1.09E-08	2.87E-14	8.66E-14	6.84E-14	6.09E-17	1.47E-15	8.12E-17	1.61381E-15	9.291E-11	4.1035E-08	1.09E-08	2.93243E-14	2.46324E-16	1.46367E-14	4.09827E-17
524	570390.6	4178599	0.55, 41785	0.13131	0.10865	0.12235	93.2639	32.45644	112.44406	11.65799	4.05706	14.05551	1.05E-10	4.4E-08	1.12E-08	3.25E-14	9.8E-14	7.74E-14	6.9E-17	1.67E-15	9.2E-17	1.8267E-15	1.052E-10	4.3954E-08	1.12E-08	3.31927E-14	2.78819E-16	1.65675E-14	4.63891E-17
525	570430.6	4178599	0.55, 41785	0.15022	0.126	0.13878	103.53542	36.02365	122.12845	12.94193	4.50296	15.26606	1.21E-10	4.85E-08	1.24E-08	3.75E-14	1.13E-13	8.94E-14	7.96E-17	1.92E-15	1.06E-16	2.10971E-15	1.215E-10	4.8505E-08	1.24E-08	3.83352E-14	3.22016E-16	1.91343E-14	5.35761E-17
526	570470.6	4178599	0.55, 41785	0.17421	0.14819	0.15942	115.63183	39.91557	131.63773	14.45398	5.34922	16.45472	1.42E-10	5.34E-08	1.38E-08	4.39E-14	1.33E-13	1.05E-13	9.33E-17	2.25E-15	1.24E-16	2.47071E-15	1.422E-10	5.3434E-08	1.38E-08	4.48947E-14	3.77116E-16	2.24084E-14	6.27435E-17
527	570510.6	4178599	0.55, 41785	0.20799	0.17912	0.18803	128.15759	44.54205	154.67263	16.0197	6.36274	19.33408	1.71E-10	6.04E-08	1.54E-08	5.28E-14	1.6E-13	1.26E-13	1.12E-16	2.71E-15	1.5E-16	2.97409E-15	1.712E-10	6.0372E-08	1.54E-08	5.40416E-14	4.53949E-16	2.69739E-14	7.55269E-17
528	570550.6	4178599	0.55, 41785	0.25382	0.22088	0.22625	141.74172	51.90419	182.47104	17.71771	7.41488	22.80888	2.1E-10	6.99E-08	1.71E-08	6.49E-14	1.96E-13	1.55E-13	1.38E-16	3.33E-15	1.84E-16	3.65331E-15	2.103E-10	6.9946E-08	1.71E-08	6.63835E-14	5.57622E-16	3.31341E-14	9.27756E-17
529	570590.6	4178599	0.55, 41785	0.31442	0.27626	0.27638	161.8077	62.94071	207.9054	20.22596	8.27119	25.98817	2.62E-10	8.26E-08	1.96E-08	8.09E-14	2.44E-13	1.93E-13	1.72E-16	4.15E-15	2.29E-16	4.55278E-15	2.621E-10	8.2564E-08	1.96E-08	8.27276E-14	6.94912E-16	4.1292E-14	1.15618E-16
530	570630.6	4178599	0.55, 41785	0.39904	0.35395	0.34775	187.04764	77.01967	233.41259	23.38095	12.20463	29.17657	3.35E-10	9.79E-08	2.25E-08	1.03E-13	3.12E-13	2.46E-13	2.2E-16	5.3E-15	2.93E-16	5.81594E-15	3.348E-10	9.79E-08	2.25E-08	1.0568E-13	8.87714E-16	5.27484E-14	1.47696E-16
531	570670.6	4178599	0.55, 41785	0.52025	0.46779	0.4567	203.91154	89.67976	314.96286	27.18561	17.16092	39.37036	4.42E-10	1.17E-07	2.68E-08	1.36E-13	4.11E-13	3.25E-13	2.9E-16	7E-15	3.86E-16	7.67077E-15	4.416E-10	1.1737E-07	2.68E-08	1.39384E-13	1.17083E-15	6.95711E-14	1.94799E-16
532	570710.6	4178599	0.55, 41785	0.68748	0.63563	0.62617	226.5911	101.22552	383.25212	32.37016	22.387	47.90652	5.99E-10	1.35E-07	3.2E-08	1.85E-13	5.58E-13	4.41E-13	3.93E-16	9.49E-15	5.24E-16	1.04048E-14	5.99E-10	1.351E-07	3.2E-08	1.89064E-13	1.58814E-15	9.4368E-14	2.6423E-16
533	570750.6	4178599	0.55, 41785	0.91976	0.89022	0.88415	243.41497	114.05895	499.75889	34.77357	31.00996	69.4997	8.36E-10	1.58E-07	3.62E-08	2.58E-13	7.79E-13	6.15E-13	5.48E-16	1.32E-14	7.31E-16	1.45224E-14	8.361E-10	1.5837E-07	3.62E-08	2.63884E-13	2.21663E-15	1.31713E-13	3.68797E-16
534	570790.6	4178599	0.55, 41785	1.20615	1.22781	1.16033	261.32328	130.44037	537.17009	39.31654	39.06207	73.65107	1.14E-09	1.76E-07	4.05E-08	3.52E-13	1.06E-12	8.4E-13	7.49E-16	1.81E-14	9.98E-16	1.98303E-14	1.142E-09	1.7606E-07	4.05E-08	3.60333E-13	3.0268E-15	1.79854E-13	5.0359E-16
535	570830.6	4178599	0.55, 41785	1.86035	2.06593	1.53512	307.79075	158.37727	606.96091	57.33573	51.17396	80.52216	1.86E-09	2.08E-07	5.62E-08	5.75E-13	1.74E-12	1.37E-12	1.22E-15	2.95E-14	1.63E-15	3.23566E-14	1.863E-09	2.0821E-07	5.62E-08	5.87946E-13	4.93875E-15	2.93463E-13	8.21696E-16
536	570870.6	4178599	0.55, 41785	2.81953	3.8452	1.88016	429.66876	238.19724	679.18896	77.96533	87.47681	90.64703	3.31E-09	2.86E-07	7.44E-08	1.02E-12	3.08E-12	2.44E-12	2.17E-15	5.24E-14	2.89E-15	5.74971E-14	3.31E-09	2.8575E-07	7.44E-08	1.04477E-12	8.77605E-15	5.21477E-13	1.46014E-15
537	570910.6	4178599	0.55, 41785	4.21414	6.38342	2.32175	555.65098	273.48442	945.27353	124.98504	103.73159	124.24769	5.37E-09	3.51E-07	1.17E-07	1.66E-12	5.01E-12	3.95E-12	3.52E-15	8.51E-14	4.7E-15	9.33071E-14	5.372E-09	3.5075E-07	1.17E-07	1.69546E-12	1.42419E-14	8.46261E-13	2.36953E-15
538	570950.6	4178599	0.55, 41785	4.59898	4.54538	2.28746	563.80012	195.03038	769.06119	96.52509	58.5202	125.1466	4.03E-09	2.74E-07	9.35E-08	1.24E-12	3.75E-12	2.96E-12	2.64E-15	6.38E-14	3.52E-15	6.9937E-14	4.026E-09	2.7423E-07	9.35E-08	1.27081E-12	1.06748E-14	6.34303E-13	1.77605E-15
539	570990.6	4178599	0.55, 41785	3.82228	3.4158	2.10211	387.45867	157.86758	722.29473	74.93195	45.58999	97.36969	3.1E-09	2.27E-07	7.26E-08	9.56E-13	2.89E-12	2.28E-12	2.03E-15	4.91E-14	2.71E-15	5.37927E-14	3.097E-09	2.2667E-07	7.26E-08	9.77458E-13	8.21065E-15	4.8788E-13	1.36607E-15
540	571030.6	4178599	0.55, 41785	3.02247	2.69987	1.99871	442.17309	124.03841	776.22539	67.82636	38.72372	97.59907	2.48E-09	2.12E-07	6.67E-08	7.66E-13	2.31E-12	1.83E-12	1.63E-15	3.93E-14	2.17E-15	4.31364E-14	2.483E-09	2.1166E-07	6.67E-08	7.83824E-13	6.58412E-15	3.91232E-13	1.09545E-15
541	571070.6	4178599	0.55, 41785	2.43201	2.20804	1.81695	323.32852	105.96293	523.5768	49.87717	32.54487	75.45431	2.05E-09	1.62E-07	4.94E-08	6.32E-13	1.91E-12	1.51E-12	1.34E-15	3.24E-14	1.79E-15	3.55534E-14	2.047E-09	1.6155E-07	4.94E-08	6.46034E-13	5.42669E-15	3.22456E-13	9.02878E-16
542	571110.6	4178599	0.55, 41785	1.9361	1.83698	1.53551	285.52756	89.63178	395.42144	42.26506	28.59229	57.87538	1.7E-09	1.33E-07	4.13E-08	5.24E-13	1.58E-12	1.25E-12	1.11E-15	2.69E-14	1.48E-15	2.94948E-14	1.698E-09	1.3267E-07	4.13E-08	5.35945E-13	4.50194E-15	2.67507E-13	7.4902E-16
543	571150.6	4178599	0.55, 41785	1.58315	1.55537	1.34493	182.41041	88.91432	301.39134	29.75311	25.20352	37.67392	1.44E-09	1.14E-07	2.87E-08	4.44E-13	1.34E-12	1.06E-12	9.43E-16	2.28E-14	1.26E-15	2.49731E-14	1.438E-09	1.1356E-07	2.87E-08	4.53781E-13	3.81176E-15	2.26496E-13	6.3419E-16
544	571190.6	4178599	0.55, 41785	1.33739	1.33597	1.20735	189.26194	77.8274	237.13522	24.55337	21.99349	31.52399	1.24E-09	9.91E-08	2.37E-08	3.82E-13	1.15E-12	9.12E-13	8.12E-16	1.96E-14	1.08E-15	2.15129E-14	1.239E-09	9.9082E-08	2.37E-08	3.90906E-13	3.28361E-15	1.95114E-13	5.46318E-16
545	571230.6	4178599	0.55, 41785	1.14183	1.1549	1.07779	177.02423	70.01737	247.02933	25.42204	18.83046	36.19826	1.07E-09	9.33E-08	2.5E-08	3.31E-13	1E-12	7.9E-13	7.04E-16	1.7E-14	9.38E-16	1.86385E-14	1.073E-09	9.3254E-08	2.5E-08	3.38677E-13	2.84488E-15	1.69044E-13	4.73324E-16
546	571270.6	4178599	0.55, 41785	0.97959	1.00523	0.95378	160.46118	68.49541	236.51718	22.92303	16.81937	33.9008	9.34E-10	8.96E-08	2.26E-08	2.88E-13	8.71E-13	6.88E-13	6.13E-16	1.48E-14	8.17E-16	1.62308E-14	9.344E-10	8.9615E-08	2.26E-08	2.94927E-13	2.47739E-15	1.47208E-13	4.12181E-16
547	571310.6	4178599	0.55, 41785	0.84011	0.87488	0.82502	131.92842	62.86665	193.55215	16.49105	15.16442	24.19402	8.12E-10	7.85E-08	1.63E-08	2.5E-13	7.56E-13	5.97E-13	5.32E-16	1.29E-14	7.1E-16	1.40986E-14	8.117E-10	7.8482E-08	1.63E-08	2.56184E-13	2.15194E-15	1.27869E-13	3.58034E-16
548	571350.6	4178599	0.55, 41785	0.73896	0.77159	0.73066	149.85158	58.69155	153.82017	22.55392	13.49962	22.49489	7.16E-10	7.27E-08	2.11E-08	2.21E-13	6.67E-13	5.27E-13	4.7E-16	1.13E-14	6.26E-16	1.24368E-14	7.16E-10	7.2688E-08	2.11E-08	2.25987E-13	1.89829E-15	1.12797E-13	3.15832E-16
549	571390.6	4178599	0.55, 41785	0.661	0.68563	0.66671	168.50279	56.32456	235.09945	24.41155	12.10471	32.40344	6.38E-10	8.1E-08	2.37E-08	1.97E-13	5.95E-13	4.7E-13	4.19E-16	1.01E-14	5.58E-16	1.10896E-14	6.385E-10	8.1043E-08	2.37E-08	2.01506E-13	1.69265E-15	1.00578E-13	2.81619E-16
550	571430.6	4178599	0.55, 41785	0.59511	0.61204	0.61151	136.17098	51.76249	171.68803	20.03651	10.61326	24.28892	5.72E-10	6.82E-08	1.92E-08	1.77E-13	5.33E-13	4.21E-13	3.75E-16	9.06E-15	5E-16	9.93659E-15	5.721E-10	6.8236E-08	1.92E-08	1.80556E-13	1.51667E-15	9.01212E-14	2.52339E-16
551	571470.6	4178599	0.55, 41785	0.53051	0.54561	0.54811	117.9441	47.17442	154.11151	16.84916	9.40387	22.01593	5.1E-10	6.14E-08	1.63E-08	1.57E-13	4.75E-13	3.76E-13	3.35E-16	8.08E-15	4.46E-16	8.86351E-15	5.103E-10	6.1421E-08	1.63E-08	1.61057E-13	1.35288E-15	8.03888E-14	2.25089E-16
552	571510.6	4178599	0.55, 41785	0.47218	0.48877	0.48576	120.07824	45.51387	145.12306	16.38718	8.49605	19.65912	4.56E-10	5.94E-08	1.57E-08	1.41E-13	4.25E-13	3.36E-13	2.99E-16	7.23E-15	3.99E-16	7.92606E-15	4.563E-10	5.9413E-08	1.57E-08	1.44023E-13	1.20979E-15	7.18865E-14	2.01282E-16
553	571550.6	4178599	0.55, 41785	0.42043	0.43954	0.43052	119.99429	43.92883	151.34582	16.43506	7.56489	20.5622	4.09E-10	5.89E-08	1.58E-08	1.26E-13	3.81E-13	3.01E-13	2.68E-16	6.48E-15	3.58E-16	7.11006E-15	4.093E-10	5.8876E-08	1.58E-08	1.29196E-13	1.08524E-15	6.44856E-14	1.8056E-16
554	571590.6	4178599	0.55, 41785	0.37632	0.39688	0.38556	100.33698	42.40478	116.86516	13.86046	7.00095	16.11187	3.69E-10	5.25E-08	1.32E-08	1.14E-13	3.44E-13	2.72E-13	2.42E-16	5.84E-15	3.23E-16	6.40935E-15	3.69E-10	5.2453E-08	1.32E-08	1.16463E-13	9.7829E-16	5.81304E-14	1.62765E-16
555	570310.6	4178639	0.55, 41786	0.10356	0.08559	0.09711	83.92303	29.66661	96.15389	10.49038	3.70833	12.01924	8.29E-11	3.94E-08	9.99E-09	2.56E-14	7.73E-14	6.1E-14	5.44E-17	1.31E-15	7.25E-17	1.44051E-15	8.293E-11	3.9367E-08	9.99E-09	2.61752E-14	2.19872E-16	1.30649E-14	3.65817E-17
556	570350.6	4178639	0.55, 41786	0.1161	0.09716	0.10841	92.63397	32.60646	103.61771	11.57925	4.08084	12.95221	9.38E-11	4.31E-08	1.1E-08	2.9E-14	8.74E-14	6.91E-14	6.15E-17	1.49E-15	8.2E-17	1.62976E-15	9.383E-11	4.3084E-08	1.1E-08	2.96141E-14	2.48758E-16	1.47813E-14	4.13877E-17
557	570390.6	4178639	0.55, 41786	0.13068	0.11086	0.1215	100.54346	34.97331	116.66288	12.56793	4.70976	14.58286	1.07E-10	4.69E-08	1.2E-08	3.29E-14	9.94E-14	7.85E-14	7E-17	1.69E-15	9.33E-17	1.85293E-15	1.067E-10	4.6892E-08	1.2E-08	3.36692E-14	2.82822E-16	1.68054E-14	4.70551E-17
558	570430.6	4178639	0.55, 41786	0.14929	0.12834	0.13819	107.49924	37.52244	130.89362	13.4374	5.36035	16.3617	1.23E-10	5.09E-08	1.29E-08	3.8E-14	1.15E-13	9.06E-14	8.07E-17	1.95E-15	1.08E-16	2.13766E-15	1.231E-10	5.0882E-08	1.29E-08	3.88431E-14	3.26282E-16	1.93878E-14	5.42859E-17
559	570470.6	4178639	0.55, 41786	0.17443	0.15183	0.16061	116.62505	42.4162	145.19757	14.57813	6.05946	18.1497	1.45E-10	5.68E-08	1.4E-08	4.48E-14	1.35E-13	1.07E-13	9.52E-17	2.3E-15	1.27E-16	2.52047E-15	1.451E-10	5.6814E-08	1.4E-08	4.57991E-14	3.84712E-16	2.28598E-14	6.40074E-17
560	570510.6	4178639	0.55, 41786	0.20768	0.18277	0.19013	127.00459	48.18252	156.06863	15.87557	6.71257	19.50858	1.74E-10	6.31E-08	1.53E-08	5.37E-14	1.62E-13	1.28E-13	1.14E-16	2.76E-15	1.52E-16	3.02487E-15	1.741E-10	6.3144E-08	1.53E-08	5.49644E-14	4.61701E-16	2.74345E-14	7.68166E-17
561	570550.6	4178639	0.55, 41786	0.2504	0.22269	0.22841	148.76746	59.99627	172.72318	18.59593	7.58374	21.5904	2.12E-10	7.56E-08	1.77E-08	6.53E-14	1.97E-13	1.56E-13	1.39E-16	3.35E-15	1.85E-16	3.67576E-15	2.116E-10	7.5562E-08	1.77E-08	6.67915E-14	5.61049E-16	3.33378E-14	9.33458E-17
562	570590.6	4178639	0.55, 41786	0.30521	0.27478	0.27907	162.38276	69.4472	222.88998	20.29784	10.74133	27.86125	2.61E-10	8.91E-08	1.98E-08	8.04E-14	2.43E-13	1.92E-13	1.71E-16	4.13E-15	2.28E-16	4.525E-15	2.605E-10	8.9054E-08	1.98E-08	8.2223E-14	6.90673E-16	4.10401E-14	1.14912E-16
563	570630.6	4178639	0.55, 41786	0.37839	0.34592	0.35098	177.15033	78.68271	266.26636	23.7109	14.16715	33.28329	3.27E-10	1.02E-07	2.32E-08	1.01E-13	3.05E-13	2.41E-13	2.15E-16	5.19E-15	2.86E-16	5.68736E-15	3.274E-10	1.0177E-07	2.32E-08	1.03344E-13	8.68089E-16	5.15822E-14	1.4443E-16
564	570670.6	4178639	0.55, 41786	0.47152	0.44129	0.44999	194.04584	86.02037	313.51443	27.72083	17.24466	39.1893	4.17E-10	1.14E-07	2.72E-08	1.29E-13	3.89E-13	3.07E-13	2.73E-16	6.61E-15	3.65E-16	7.24309E-15	4.17E-10	1.1365E-07	2.72E-08	1.31613E-13	1.10555E-15	6.56922E-14	1.83938E-16
565	570710.6	4178639	0.55, 41786	0.59058	0.57043	0.57865	207.44684	93.90742	372.29223	29.63526	21.88085	53.1846	5.37E-10	1.27E-07	3.03E-08	1.66E-13	5E-13	3.95E-13	3.52E-16	8.51E-15	4.7E-16	9.32952E-15	5.371E-10	1.2686E-07	3.03E-08	1.69525E-13	1.42401E-15	8.46153E-14	2.36923E-16
566	570750.6	4178639	0.55, 41786	0.7421	0.74424	0.7234	219.27007	107.04803	379.32522	31.3243	27.05481	52.15596	6.95E-10	1.38E-07	3.15E-08	2.14E-13	6.48E-13	5.12E-13	4.56E-16	1.1E-14	6.08E-16	1.20729E-14	6.951E-10	1.3842E-07	3.15E-08	2.19375E-13	1.84275E-15	1.09497E-13	3.06592E-16
567	570790.6	4178639	0.55, 41786	0.94425	0.97087	0.85006	237.37937	117.94026	412.19598	33.01145	30.70173	55.76703	8.95E-10	1.52E-07	3.33E-08	2.76E-13	8.34E-13	6.59E-13	5.87E-16	1.42E-14	7.82E-16	1.55433E-14	8.949E-10	1.5155E-07	3.33E-08	2.82434E-13	2.37245E-15	1.40972E-13	3.94722E-16
568	570830.6	4178639	0.55, 41786	1.23329	1.33292	0.96284	295.25944	130.22679	473.13116	42.69044	39.99654	61.26658	1.2E-09	1.72E-07	4.2E-08	3.71E-13	1.12E-12	8.84E-13	7.88E-16	1.9E-14	1.05E-15	2.0874E-14	1.202E-09	1.7202E-07	4.2E-08	3.79298E-13	3.1861E-15	1.8932E-13	5.30095E-16
569	570870.6	4178639	0.55, 41786	1.50989	1.73214	1.20169	317.24906	188.19869	615.93486	58.25942	53.82297	76.99186	1.55E-09	2.32E-07	5.66E-08	4.78E-13	1.44E-12	1.14E-12	1.02E-15	2.45E-14	1.35E-15	2.68997E-14	1.549E-09	2.3225E-07	5.66E-08	4.8879E-13	4.10584E-15	2.43971E-13	6.83118E-16
570	570910.6	4178639	0.55, 41786	1.78259	1.99297	1.30656	332.58479	179.86407	638.76492	63.94152	52.98497	79.84561	1.78E-09	2.3E-07	6.16E-08	5.49E-13	1.66E-12	1.31E-12	1.17E-15	2.82E-14	1.55E-15	3.08776E-14	1.778E-09	2.2971E-07	6.16E-08	5.61071E-13	4.71299E-15	2.80048E-13	7.84135E-16
571	570950.6	4178639	0.55, 41786	1.86524	1.94862	1.2876	326.77204	147.92341	425.10208	57.64661	41.4452	82.66786	1.75E-09	1.83E-07	5.67E-08	5.4E-13	1.63E-12	1.29E-12	1.15E-15	2.77E-14	1.53E-15	3.03878E-14	1.75E-09	1.8285E-07	5.67E-08	5.52172E-13	4.63824E-15	2.75606E-13	7.71698E-16
572	570990.6	4178639	0.55, 41786	1.76592	1.78245	1.25006	311.73236	122.31574	573.48464	43.80696	33.57582	91.70195	1.61E-09	1.78E-07	4.61E-08	4.98E-13	1.5E-12	1.19E-12	1.06E-15	2.55E-14	1.41E-15	2.80159E-14	1.613E-09	1.7806E-07	4.61E-08	5.09073E-13	4.27621E-15	2.54094E-13	7.11464E-16
573	571030.6	4178639	0.55, 41786	1.5977	1.58915	1.17717	263.38378	106.70114	334.97263	40.88022	26.80487	57.79917	1.45E-09	1.37E-07	4.01E-08	4.46E-13	1.35E-12	1.06E-12	9.49E-16	2.29E-14	1.26E-15	2.51264E-14	1.447E-09	1.3721E-07	4.01E-08	4.56566E-13	3.83516E-15	2.27887E-13	6.38083E-16
574	571070.6	4178639	0.55, 41786	1.42629	1.41473	1.18099	323.91584	92.06505	516.79706	44.84431	24.93328	64.76299	1.3E-09	1.5E-07	4.41E-08	4.02E-13	1.21E-12	9.58E-13	8.54E-16	2.06E-14	1.14E-15	2.26175E-14	1.302E-09	1.505E-07	4.41E-08	4.10979E-13	3.45222E-15	2.05133E-13	5.74371E-16
575	571110.6	4178639	0.55, 41786	1.27265	1.25146	1.07066	231.49813	85.11921	353.08688	34.4516	22.95032	48.16161	1.16E-09	1.2E-07	3.37E-08	3.57E-13	1.08E-12	8.5E-13	7.58E-16	1.83E-14	1.01E-15	2.00708E-14	1.156E-09	1.2029E-07	3.37E-08	3.64702E-13	3.0635E-15	1.82035E-13	5.09697E-16
576	571150.6	4178639	0.55, 41786	1.10067	1.1079	0.9372	235.36335	78.49538	345.02109	33.92291	20.75102	48.66179	1.02E-09	1.15E-07	3.33E-08	3.15E-13	9.5E-13	7.5E-13	6.69E-16	1.62E-14	8.92E-16	1.77109E-14	1.02E-09	1.1482E-07	3.33E-08	3.21822E-13	2.7033E-15	1.60632E-13	4.49769E-16
577	571190.6	4178639	0.55, 41786	0.96404	0.98605	0.85109	150.10185	73.9658	197.92558	22.00887	18.66835	28.93746	9.08E-10	8.88E-08	2.14E-08	2.8E-13	8.46E-13	6.68E-13	5.95E-16	1.44E-14	7.94E-16	1.57713E-14	9.08E-10	8.8771E-08	2.14E-08	2.86577E-13	2.40724E-15	1.4304E-13	4.00511E-16
578	571230.6	4178639	0.55, 41786	0.85847	0.87787	0.78438	130.71922	65.23747	181.52397	20.98447	16.26127	28.21366	8.11E-10	7.89E-08	2.04E-08	2.5E-13	7.56E-13	5.97E-13	5.32E-16	1.28E-14	7.09E-16	1.409E-14	8.112E-10	7.8887E-08	2.04E-08	2.56027E-13	2.15063E-15	1.27791E-13	3.57816E-16
579	571270.6	4178639	0.55, 41786	0.76521	0.78388	0.72231	147.71702	61.52416	210.17535	22.46264	14.29709	35.02922	7.27E-10	8.06E-08	2.24E-08	2.24E-13	6.77E-13	5.35E-13	4.76E-16	1.15E-14	6.35E-16	1.26195E-14	7.265E-10	8.0558E-08	2.24E-08	2.29307E-13	1.92618E-15	1.14455E-13	3.20473E-16
580	571310.6	4178639	0.55, 41786	0.67814	0.70066	0.65218	136.41117	59.8434	199.34802	17.34958	13.40052	24.9185	6.5E-10	7.72E-08	1.71E-08	2E-13	6.05E-13	4.78E-13	4.26E-16	1.03E-14	5.68E-16	1.12832E-14	6.496E-10	7.7209E-08	1.71E-08	2.05026E-13	1.72222E-15	1.02335E-13	2.86538E-16
581	571350.6	4178639	0.55, 41786	0.60279	0.6273	0.58324	124.67819	56.4143	162.56927	15.58477	12.33978	20.32116	5.81E-10	6.98E-08	1.51E-08	1.79E-13	5.41E-13	4.28E-13	3.81E-16	9.21E-15	5.08E-16	1.00943E-14	5.812E-10	6.9787E-08	1.51E-08	1.83422E-13	1.54074E-15	9.15518E-14	2.56345E-16
582	571390.6	4178639	0.55, 41786	0.54567	0.56561	0.53406	134.64293	53.30447	146.45838	19.4501	11.04071	20.47738	5.25E-10	6.66E-08	1.83E-08	1.62E-13	4.89E-13	3.86E-13	3.44E-16	8.32E-15	4.59E-16	9.11973E-15	5.25E-10	6.6605E-08	1.83E-08	1.65713E-13	1.39199E-15	8.27126E-14	2.31595E-16
583	571430.6	4178639	0.55, 41786	0.50035	0.51255	0.49968	147.79016	50.85435	197.85336	20.77571	9.97795	26.64502	4.78E-10	7.13E-08	2.01E-08	1.47E-13	4.45E-13	3.52E-13	3.13E-16	7.57E-15	4.18E-16	8.30153E-15	4.779E-10	7.1289E-08	2.01E-08	1.50846E-13	1.2671E-15	7.52918E-14	2.10817E-16
584	571470.6	4178639	0.55, 41786	0.45884	0.46513	0.46599	118.76181	47.03177	145.5886	16.94782	8.9119	19.9832	4.35E-10	6.05E-08	1.62E-08	1.34E-13	4.06E-13	3.2E-13	2.86E-16	6.9E-15	3.81E-16	7.5634E-15	4.354E-10	6.0486E-08	1.62E-08	1.37433E-13	1.15444E-15	6.85973E-14	1.92072E-16
585	571510.6	4178639	0.55, 41786	0.41516	0.4204	0.42431	105.04191	43.02213	132.76114	15.00599	7.61313	18.96588	3.94E-10	5.5E-08	1.45E-08	1.22E-13	3.67E-13	2.9E-13	2.58E-16	6.24E-15	3.44E-16	6.84243E-15	3.939E-10	5.4983E-08	1.45E-08	1.24333E-13	1.04439E-15	6.20584E-14	1.73763E-16
586	571550.6	4178639	0.55, 41786	0.37489	0.38245	0.3824	101.59712	41.64808	125.74417	13.25702	7.0054	15.71802	3.58E-10	5.29E-08	1.27E-08	1.1E-13	3.33E-13	2.63E-13	2.35E-16	5.67E-15	3.13E-16	6.21408E-15	3.578E-10	5.2927E-08	1.27E-08	1.12915E-13	9.48485E-16	5.63594E-14	1.57806E-16
587	571590.6	4178639	0.55, 41786	0.33863	0.34937	0.34405	106.83121	40.48294	130.44071	14.45913	6.53587	17.55635	3.26E-10	5.3E-08	1.39E-08	1.01E-13	3.04E-13	2.4E-13	2.14E-16	5.16E-15	2.85E-16	5.66135E-15	3.259E-10	5.2991E-08	1.39E-08	1.02871E-13	8.64119E-16	5.13463E-14	1.4377E-16
588	570310.6	4178679	0.55, 41786	0.10291	0.0869	0.09701	88.39628	30.98258	103.31105	11.04953	4.21243	12.91388	8.38E-11	4.15E-08	1.06E-08	2.59E-14	7.81E-14	6.17E-14	5.5E-17	1.33E-15	7.33E-17	1.45639E-15	8.385E-11	4.1481E-08	1.06E-08	2.64637E-14	2.22295E-16	1.32089E-14	3.69849E-17
589	570350.6	4178679	0.55, 41786	0.11574	0.09888	0.10892	93.23081	33.32166	112.3331	11.65385	4.76024	14.04164	9.51E-11	4.46E-08	1.12E-08	2.94E-14	8.86E-14	7E-14	6.24E-17	1.51E-15	8.32E-17	1.6525E-15	9.514E-11	4.4586E-08	1.12E-08	3.00273E-14	2.5223E-16	1.49876E-14	4.19653E-17
590	570390.6	4178679	0.55, 41786	0.13137	0.11361	0.12342	99.39798	36.831	119.21549	12.42475	5.26157	14.90194	1.09E-10	4.85E-08	1.19E-08	3.36E-14	1.02E-13	8.02E-14	7.15E-17	1.73E-15	9.53E-17	1.89316E-15	1.09E-10	4.8454E-08	1.19E-08	3.44003E-14	2.88963E-16	1.71703E-14	4.80768E-17
591	570430.6	4178679	0.55, 41786	0.15074	0.13191	0.14135	105.99103	39.73692	126.723	13.24888	5.6767	15.84037	1.26E-10	5.2E-08	1.27E-08	3.89E-14	1.18E-13	9.29E-14	8.28E-17	2E-15	1.1E-16	2.19192E-15	1.262E-10	5.1972E-08	1.27E-08	3.98291E-14	3.34564E-16	1.988E-14	5.56639E-17
592	570470.6	4178679	0.55, 41786	0.17494	0.15487	0.16378	121.69462	47.75873	135.7735	15.21183	5.96984	16.97169	1.48E-10	6.02E-08	1.44E-08	4.56E-14	1.38E-13	1.09E-13	9.69E-17	2.34E-15	1.29E-16	2.56649E-15	1.478E-10	6.0244E-08	1.44E-08	4.66353E-14	3.91736E-16	2.32772E-14	6.51761E-17
593	570510.6	4178679	0.55, 41786	0.2057	0.18414	0.19253	135.37794	56.46386	170.3708	16.92224	7.12807	21.29635	1.75E-10	7.15E-08	1.63E-08	5.41E-14	1.63E-13	1.29E-13	1.15E-16	2.78E-15	1.53E-16	3.04416E-15	1.753E-10	7.1546E-08	1.63E-08	5.53148E-14	4.64644E-16	2.76094E-14	7.73063E-17
594	570550.6	4178679	0.55, 41786	0.2434	0.22078	0.22908	142.10791	62.60325	200.29273	17.76349	9.55219	25.03659	2.1E-10	7.99E-08	1.74E-08	6.47E-14	1.95E-13	1.54E-13	1.37E-16	3.32E-15	1.83E-16	3.64194E-15	2.097E-10	7.9852E-08	1.74E-08	6.6177E-14	5.55887E-16	3.30311E-14	9.2487E-17
595	570590.6	4178679	0.55, 41786	0.29132	0.2684	0.27784	157.44437	70.02377	210.9671	21.20731	12.01595	26.37089	2.54E-10	8.78E-08	2.04E-08	7.85E-14	2.37E-13	1.87E-13	1.67E-16	4.03E-15	2.22E-16	4.41959E-15	2.544E-10	8.7815E-08	2.04E-08	8.03075E-14	6.74583E-16	4.0084E-14	1.12235E-16
596	570630.6	4178679	0.55, 41786	0.34871	0.32823	0.33909	170.78411	74.6949	263.98396	24.39773	14.09383	33.40233	3.1E-10	9.8E-08	2.38E-08	9.58E-14	2.89E-13	2.28E-13	2.04E-16	4.92E-15	2.71E-16	5.39248E-15	3.105E-10	9.801E-08	2.38E-08	9.79857E-14	8.2308E-16	4.89078E-14	1.36942E-16
597	570670.6	4178679	0.55, 41786	0.41782	0.40379	0.41108	181.29369	80.27499	295.25985	25.8991	15.99045	42.12286	3.8E-10	1.06E-07	2.6E-08	1.17E-13	3.54E-13	2.8E-13	2.49E-16	6.02E-15	3.33E-16	6.60643E-15	3.803E-10	1.0636E-07	2.6E-08	1.20044E-13	1.00837E-15	5.99179E-14	1.6777E-16
598	570710.6	4178679	0.55, 41786	0.49876	0.49687	0.48618	185.88712	90.92914	287.65142	26.5553	19.21501	39.31628	4.65E-10	1.14E-07	2.62E-08	1.43E-13	4.33E-13	3.42E-13	3.05E-16	7.36E-15	4.06E-16	8.07089E-15	4.647E-10	1.1391E-07	2.62E-08	1.46655E-13	1.2319E-15	7.32E-14	2.0496E-16
599	570750.6	4178679	0.55, 41786	0.59336	0.60818	0.55751	195.07014	97.11431	330.72411	27.40212	20.89244	45.57898	5.63E-10	1.24E-07	2.76E-08	1.74E-13	5.25E-13	4.15E-13	3.69E-16	8.92E-15	4.93E-16	9.78519E-15	5.634E-10	1.2384E-07	2.76E-08	1.77805E-13	1.49356E-15	8.87481E-14	2.48495E-16
600	570790.6	4178679	0.55, 41786	0.71288	0.74367	0.61675	232.56486	100.08812	327.08033	29.70634	25.09865	40.88504	6.81E-10	1.29E-07	2.9E-08	2.1E-13	6.34E-13	5.01E-13	4.47E-16	1.08E-14	5.95E-16	1.18278E-14	6.81E-10	1.2884E-07	2.9E-08	2.14922E-13	1.80534E-15	1.07274E-13	3.00368E-16
601	570830.6	4178679	0.55, 41786	0.82835	0.8948	0.66469	250.25968	113.32691	367.70207	36.36599	33.16876	46.21837	8.09E-10	1.45E-07	3.51E-08	2.5E-13	7.54E-13	5.95E-13	5.3E-16	1.28E-14	7.07E-16	1.4047E-14	8.087E-10	1.445E-07	3.51E-08	2.55246E-13	2.14407E-15	1.27401E-13	3.56724E-16
602	570870.6	4178679	0.55, 41786	0.92801	1.04065	0.83445	269.45277	158.88347	492.55659	39.41339	35.15016	62.53118	9.44E-10	1.93E-07	3.94E-08	2.91E-13	8.8E-13	6.95E-13	6.19E-16	1.5E-14	8.25E-16	1.63972E-14	9.44E-10	1.9332E-07	3.94E-08	2.97951E-13	2.50279E-15	1.48717E-13	4.16407E-16
603	570910.6	4178679	0.55, 41786	1.03394	1.13081	0.83809	259.70616	144.94226	471.11442	42.20689	35.5523	58.8893	1.02E-09	1.8E-07	4.13E-08	3.15E-13	9.51E-13	7.51E-13	6.69E-16	1.62E-14	8.92E-16	1.77297E-14	1.021E-09	1.7982E-07	4.13E-08	3.22163E-13	2.70617E-15	1.60802E-13	4.50245E-16
604	570950.6	4178679	0.55, 41786	1.05684	1.13643	0.82319	242.80014	123.49716	418.67106	39.92153	30.15323	58.18912	1.03E-09	1.57E-07	3.93E-08	3.16E-13	9.55E-13	7.55E-13	6.72E-16	1.62E-14	8.96E-16	1.78089E-14	1.025E-09	1.5684E-07	3.93E-08	3.23603E-13	2.71826E-15	1.6152E-13	4.52257E-16
605	570990.6	4178679	0.55, 41786	1.01802	1.09421	0.82722	255.86386	105.93706	407.98363	37.15781	26.85338	67.99727	9.91E-10	1.44E-07	3.81E-08	3.06E-13	9.23E-13	7.29E-13	6.5E-16	1.57E-14	8.66E-16	1.72112E-14	9.909E-10	1.4369E-07	3.81E-08	3.12742E-13	2.62703E-15	1.56099E-13	4.37078E-16
606	571030.6	4178679	0.55, 41786	0.98373	1.03259	0.8073	224.24787	96.85684	406.17161	32.03518	21.71644	50.77145	9.4E-10	1.34E-07	3.2E-08	2.9E-13	8.76E-13	6.92E-13	6.16E-16	1.49E-14	8.22E-16	1.63244E-14	9.398E-10	1.3405E-07	3.2E-08	2.96628E-13	2.49167E-15	1.48056E-13	4.14558E-16
607	571070.6	4178679	0.55, 41786	0.92088	0.95493	0.77727	234.21131	81.25508	306.97474	29.84103	18.74017	38.37184	8.73E-10	1.13E-07	2.89E-08	2.69E-13	8.14E-13	6.43E-13	5.73E-16	1.38E-14	7.64E-16	1.51691E-14	8.733E-10	1.1278E-07	2.89E-08	2.75634E-13	2.31533E-15	1.37578E-13	3.85218E-16
608	571110.6	4178679	0.55, 41786	0.85296	0.87816	0.75636	249.82687	76.90023	376.11255	32.83771	18.41049	47.06858	8.08E-10	1.18E-07	3.23E-08	2.49E-13	7.53E-13	5.95E-13	5.3E-16	1.28E-14	7.06E-16	1.40345E-14	8.08E-10	1.1812E-07	3.23E-08	2.55018E-13	2.14215E-15	1.27288E-13	3.56406E-16
609	571150.6	4178679	0.55, 41786	0.78449	0.80428	0.7091	184.12399	71.8753	265.86204	26.94504	17.68151	37.98029	7.42E-10	9.72E-08	2.64E-08	2.29E-13	6.91E-13	5.46E-13	4.87E-16	1.18E-14	6.49E-16	1.28885E-14	7.42E-10	9.7223E-08	2.64E-08	2.34195E-13	1.96724E-15	1.16894E-13	3.27304E-16
610	571190.6	4178679	0.55, 41786	0.70872	0.73542	0.64227	192.12547	69.23049	267.93218	27.25383	16.04767	37.1098	6.77E-10	9.61E-08	2.66E-08	2.09E-13	6.31E-13	4.98E-13	4.44E-16	1.07E-14	5.92E-16	1.17613E-14	6.771E-10	9.6137E-08	2.66E-08	2.13712E-13	1.79518E-15	1.0667E-13	2.98677E-16
611	571230.6	4178679	0.55, 41786	0.64141	0.6715	0.58509	152.95792	62.82263	210.7281	21.78847	14.44714	29.62503	6.18E-10	8.2E-08	2.12E-08	1.91E-13	5.75E-13	4.55E-13	4.05E-16	9.78E-15	5.4E-16	1.07282E-14	6.176E-10	8.2028E-08	2.12E-08	1.9494E-13	1.6375E-15	9.73008E-14	2.72442E-16
612	571270.6	4178679	0.55, 41786	0.5854	0.61191	0.54631	124.65244	57.66905	171.62004	20.54509	12.75642	28.60334	5.64E-10	7.17E-08	2.01E-08	1.74E-13	5.26E-13	4.15E-13	3.7E-16	8.94E-15	4.93E-16	9.80151E-15	5.643E-10	7.1675E-08	2.01E-08	1.78101E-13	1.49605E-15	8.88961E-14	2.48909E-16
613	571310.6	4178679	0.55, 41786	0.53447	0.5582	0.50849	125.80787	55.1913	171.33448	17.97255	11.70277	24.47635	5.16E-10	6.99E-08	1.75E-08	1.59E-13	4.81E-13	3.8E-13	3.38E-16	8.17E-15	4.51E-16	8.96038E-15	5.159E-10	6.989E-08	1.75E-08	1.62817E-13	1.36767E-15	8.12673E-14	2.27549E-16
614	571350.6	4178679	0.55, 41786	0.48504	0.50906	0.46427	111.39997	53.56601	157.83086	13.925	11.19981	19.72886	4.7E-10	6.6E-08	1.37E-08	1.45E-13	4.38E-13	3.46E-13	3.08E-16	7.45E-15	4.11E-16	8.16908E-15	4.703E-10	6.6041E-08	1.37E-08	1.48439E-13	1.24689E-15	7.40906E-14	2.07454E-16
615	571390.6	4178679	0.55, 41786	0.44312	0.4655	0.42576	107.51836	51.27371	117.14548	13.43979	10.40254	14.64318	4.3E-10	5.97E-08	1.27E-08	1.33E-13	4.01E-13	3.17E-13	2.82E-16	6.81E-15	3.76E-16	7.47168E-15	4.302E-10	5.9718E-08	1.27E-08	1.35766E-13	1.14044E-15	6.77654E-14	1.89743E-16
616	571430.6	4178679	0.55, 41786	0.41031	0.42684	0.39928	122.12368	48.88835	136.65658	17.23844	9.36082	18.91196	3.96E-10	6.12E-08	1.63E-08	1.22E-13	3.69E-13	2.91E-13	2.59E-16	6.27E-15	3.46E-16	6.87322E-15	3.957E-10	6.1218E-08	1.63E-08	1.24892E-13	1.04909E-15	6.23376E-14	1.74545E-16
617	571470.6	4178679	0.55, 41786	0.38401	0.39267	0.38101	130.83453	46.56818	169.29762	18.03085	8.50414	22.62935	3.66E-10	6.37E-08	1.74E-08	1.13E-13	3.41E-13	2.69E-13	2.4E-16	5.8E-15	3.2E-16	6.3576E-15	3.66E-10	6.3652E-08	1.74E-08	1.15523E-13	9.70391E-16	5.76611E-14	1.61451E-16
618	571510.6	4178679	0.55, 41786	0.35733	0.36026	0.36021	104.69184	43.30646	125.50481	14.57371	7.68103	16.95061	3.37E-10	5.44E-08	1.39E-08	1.04E-13	3.14E-13	2.48E-13	2.21E-16	5.34E-15	2.95E-16	5.85966E-15	3.374E-10	5.4403E-08	1.39E-08	1.06475E-13	8.94388E-16	5.3145E-14	1.48806E-16
619	571550.6	4178679	0.55, 41786	0.32923	0.33046	0.33426	93.91251	40.06683	115.0705	13.41607	6.60436	16.43864	3.1E-10	5E-08	1.29E-08	9.57E-14	2.89E-13	2.28E-13	2.03E-16	4.91E-15	2.71E-16	5.38412E-15	3.1E-10	4.9975E-08	1.29E-08	9.78339E-14	8.21805E-16	4.8832E-14	1.3673E-16
620	571590.6	4178679	0.55, 41786	0.30119	0.30402	0.3057	90.51235	37.8645	108.48539	11.49242	5.95997	13.56067	2.85E-10	4.73E-08	1.1E-08	8.79E-14	2.65E-13	2.1E-13	1.87E-16	4.51E-15	2.49E-16	4.94754E-15	2.848E-10	4.7349E-08	1.1E-08	8.99008E-14	7.55167E-16	4.48723E-14	1.25643E-16
621	570310.6	4178719	0.55, 41787	0.10285	0.08839	0.09803	86.08959	31.99227	98.88317	10.7612	4.57032	12.3604	8.51E-11	4.16E-08	1.03E-08	2.62E-14	7.93E-14	6.26E-14	5.58E-17	1.35E-15	7.44E-17	1.47751E-15	8.506E-11	4.1575E-08	1.03E-08	2.68476E-14	2.2552E-16	1.34005E-14	3.75214E-17
622	570350.6	4178719	0.55, 41787	0.11563	0.10049	0.11012	90.6137	34.18211	105.82439	11.32671	4.88316	13.22805	9.65E-11	4.43E-08	1.08E-08	2.98E-14	8.99E-14	7.1E-14	6.33E-17	1.53E-15	8.43E-17	1.67544E-15	9.646E-11	4.4324E-08	1.08E-08	3.04442E-14	2.55731E-16	1.51957E-14	4.25479E-17
623	570390.6	4178719	0.55, 41787	0.13114	0.11521	0.12472	102.01088	38.97546	110.90458	12.75136	5.08393	13.86307	1.1E-10	4.94E-08	1.21E-08	3.4E-14	1.03E-13	8.12E-14	7.23E-17	1.75E-15	9.64E-17	1.91598E-15	1.103E-10	4.9402E-08	1.21E-08	3.48149E-14	2.92446E-16	1.73773E-14	4.86563E-17
624	570430.6	4178719	0.55, 41787	0.15	0.13322	0.1425	114.28488	46.41789	135.81295	14.28561	5.80224	16.97662	1.27E-10	5.86E-08	1.37E-08	3.93E-14	1.19E-13	9.36E-14	8.34E-17	2.02E-15	1.11E-16	2.20996E-15	1.272E-10	5.8622E-08	1.37E-08	4.01567E-14	3.37316E-16	2.00435E-14	5.61218E-17
625	570470.6	4178719	0.55, 41787	0.17288	0.1553	0.16447	122.16306	52.59309	158.80652	15.27038	6.67803	19.85082	1.48E-10	6.63E-08	1.48E-08	4.57E-14	1.38E-13	1.09E-13	9.7E-17	2.34E-15	1.29E-16	2.57033E-15	1.48E-10	6.6322E-08	1.48E-08	4.67049E-14	3.92321E-16	2.33119E-14	6.52734E-17
626	570510.6	4178719	0.55, 41787	0.1999	0.18201	0.19124	126.87173	56.8638	170.00598	15.85897	8.56143	21.25075	1.73E-10	7.11E-08	1.54E-08	5.34E-14	1.61E-13	1.27E-13	1.13E-16	2.74E-15	1.51E-16	3.00566E-15	1.73E-10	7.109E-08	1.54E-08	5.46152E-14	4.58768E-16	2.72602E-14	7.63285E-17
627	570550.6	4178719	0.55, 41787	0.2328	0.21534	0.22528	141.7684	62.68438	190.3461	19.27806	10.36338	23.79326	2.04E-10	7.88E-08	1.85E-08	6.3E-14	1.9E-13	1.5E-13	1.34E-16	3.24E-15	1.79E-16	3.54884E-15	2.043E-10	7.8837E-08	1.85E-08	6.44854E-14	5.41677E-16	3.21867E-14	9.01228E-17
628	570590.6	4178719	0.55, 41787	0.2704	0.25529	0.2651	152.6333	65.86327	220.26265	21.80476	11.76563	29.62209	2.42E-10	8.53E-08	2.13E-08	7.45E-14	2.25E-13	1.78E-13	1.58E-16	3.83E-15	2.11E-16	4.19545E-15	2.415E-10	8.5277E-08	2.13E-08	7.62347E-14	6.40371E-16	3.80512E-14	1.06543E-16
629	570630.6	4178719	0.55, 41787	0.31352	0.30328	0.30884	160.25221	70.5161	243.59554	22.89317	12.52474	34.32359	2.86E-10	9.19E-08	2.27E-08	8.81E-14	2.66E-13	2.1E-13	1.87E-16	4.52E-15	2.5E-16	4.9617E-15	2.857E-10	9.1853E-08	2.27E-08	9.01581E-14	7.57328E-16	4.50008E-14	1.26002E-16
630	570670.6	4178719	0.55, 41787	0.36149	0.3594	0.35242	159.13882	79.23774	228.99362	22.73412	14.05012	31.24302	3.36E-10	9.67E-08	2.22E-08	1.04E-13	3.13E-13	2.47E-13	2.2E-16	5.33E-15	2.94E-16	5.84034E-15	3.362E-10	9.6744E-08	2.22E-08	1.06124E-13	8.91439E-16	5.29697E-14	1.48315E-16
631	570710.6	4178719	0.55, 41787	0.41184	0.42167	0.39325	168.39934	82.78202	268.08178	23.84947	15.22445	37.49142	3.91E-10	1.04E-07	2.38E-08	1.21E-13	3.65E-13	2.88E-13	2.57E-16	6.2E-15	3.42E-16	6.79729E-15	3.913E-10	1.0429E-07	2.38E-08	1.23512E-13	1.0375E-15	6.1649E-14	1.72617E-16
632	570750.6	4178719	0.55, 41787	0.46631	0.48852	0.43066	193.26616	81.97611	266.60906	24.83922	16.78199	33.32613	4.5E-10	1.06E-07	2.42E-08	1.39E-13	4.19E-13	3.31E-13	2.95E-16	7.12E-15	3.93E-16	7.81314E-15	4.498E-10	1.0562E-07	2.42E-08	1.41971E-13	1.19256E-15	7.08623E-14	1.98414E-16
633	570790.6	4178719	0.55, 41787	0.5297	0.5627	0.45402	208.56721	92.88706	267.98327	26.09236	23.00092	33.50993	5.13E-10	1.15E-07	2.52E-08	1.58E-13	4.78E-13	3.78E-13	3.36E-16	8.13E-15	4.49E-16	8.91227E-15	5.131E-10	1.1521E-07	2.52E-08	1.61943E-13	1.36032E-15	8.0831E-14	2.26327E-16
634	570830.6	4178719	0.55, 41787	0.58417	0.63922	0.49731	206.25232	102.59816	258.13483	28.9378	25.69667	32.26685	5.79E-10	1.21E-07	2.75E-08	1.79E-13	5.4E-13	4.26E-13	3.8E-16	9.18E-15	5.07E-16	1.00648E-14	5.795E-10	1.2124E-07	2.75E-08	1.82886E-13	1.53624E-15	9.12841E-14	2.55596E-16
635	570870.6	4178719	0.55, 41787	0.63384	0.71183	0.60618	208.40577	136.85909	408.7133	28.70976	24.7437	51.08916	6.49E-10	1.63E-07	2.93E-08	2E-13	6.05E-13	4.78E-13	4.26E-16	1.03E-14	5.68E-16	1.12794E-14	6.494E-10	1.6289E-07	2.93E-08	2.04956E-13	1.72163E-15	1.023E-13	2.86441E-16
636	570910.6	4178719	0.55, 41787	0.68401	0.75343	0.58123	211.07044	124.31957	366.90455	30.70854	25.49482	45.86307	6.82E-10	1.49E-07	3.04E-08	2.1E-13	6.36E-13	5.02E-13	4.47E-16	1.08E-14	5.96E-16	1.18474E-14	6.821E-10	1.4934E-07	3.04E-08	2.15278E-13	1.80833E-15	1.07452E-13	3.00866E-16
637	570950.6	4178719	0.55, 41787	0.69007	0.76497	0.57081	207.10313	108.18225	376.87466	30.79195	24.65468	47.10933	6.9E-10	1.38E-07	3.06E-08	2.13E-13	6.43E-13	5.08E-13	4.53E-16	1.09E-14	6.03E-16	1.19871E-14	6.901E-10	1.3799E-07	3.06E-08	2.17816E-13	1.82965E-15	1.08719E-13	3.04413E-16
638	570990.6	4178719	0.55, 41787	0.68048	0.74999	0.58632	206.58356	95.47159	294.44278	32.17827	21.60129	36.80535	6.8E-10	1.2E-07	3.06E-08	2.1E-13	6.33E-13	5E-13	4.46E-16	1.08E-14	5.94E-16	1.18069E-14	6.798E-10	1.1976E-07	3.06E-08	2.14541E-13	1.80215E-15	1.07084E-13	2.99836E-16
639	571030.6	4178719	0.55, 41787	0.66194	0.72353	0.59736	210.3532	86.11281	328.15995	30.372	18.42489	51.15716	6.6E-10	1.17E-07	3.06E-08	2.04E-13	6.15E-13	4.85E-13	4.33E-16	1.04E-14	5.77E-16	1.14564E-14	6.596E-10	1.1663E-07	3.06E-08	2.08171E-13	1.74864E-15	1.03905E-13	2.90934E-16
640	571070.6	4178719	0.55, 41787	0.64029	0.68839	0.56269	181.70859	76.31707	252.84162	22.73215	15.52213	31.6052	6.28E-10	9.9E-08	2.22E-08	1.94E-13	5.85E-13	4.62E-13	4.12E-16	9.94E-15	5.49E-16	1.0905E-14	6.278E-10	9.897E-08	2.22E-08	1.98152E-13	1.66448E-15	9.8904E-14	2.76931E-16
641	571110.6	4178719	0.55, 41787	0.60626	0.64543	0.53034	207.95149	70.27092	268.27126	26.16426	14.32632	33.53391	5.89E-10	9.83E-08	2.53E-08	1.82E-13	5.49E-13	4.34E-13	3.87E-16	9.34E-15	5.15E-16	1.02381E-14	5.894E-10	9.8283E-08	2.53E-08	1.86035E-13	1.5627E-15	9.28562E-14	2.59997E-16
642	571150.6	4178719	0.55, 41787	0.57256	0.60327	0.52806	200.64391	66.12781	289.68563	25.68735	14.52342	36.23202	5.55E-10	9.68E-08	2.52E-08	1.71E-13	5.17E-13	4.08E-13	3.64E-16	8.79E-15	4.85E-16	9.63717E-15	5.548E-10	9.6824E-08	2.52E-08	1.75115E-13	1.47097E-15	8.74056E-14	2.44736E-16
643	571190.6	4178719	0.55, 41787	0.53842	0.56251	0.50995	154.3512	63.9477	213.38711	22.19645	14.00077	30.48387	5.2E-10	8.33E-08	2.17E-08	1.6E-13	4.84E-13	3.82E-13	3.41E-16	8.23E-15	4.54E-16	9.0248E-15	5.196E-10	8.3266E-08	2.17E-08	1.63988E-13	1.3775E-15	8.18516E-14	2.29184E-16
644	571230.6	4178719	0.55, 41787	0.49735	0.52247	0.4676	159.72675	60.41971	199.28282	22.34048	12.75874	27.30767	4.82E-10	7.96E-08	2.15E-08	1.49E-13	4.49E-13	3.55E-13	3.16E-16	7.63E-15	4.21E-16	8.36733E-15	4.817E-10	7.9597E-08	2.15E-08	1.52041E-13	1.27715E-15	7.58886E-14	2.12488E-16
645	571270.6	4178719	0.55, 41787	0.45612	0.4836	0.42898	144.14128	55.22387	195.55309	20.17616	11.51496	26.9261	4.45E-10	7.4E-08	1.96E-08	1.37E-13	4.15E-13	3.28E-13	2.92E-16	7.05E-15	3.89E-16	7.73164E-15	4.451E-10	7.4007E-08	1.96E-08	1.4049E-13	1.18012E-15	7.01231E-14	1.96345E-16
646	571310.6	4178719	0.55, 41787	0.42006	0.44717	0.39945	118.44349	52.26024	154.81704	17.97136	10.56882	25.80284	4.12E-10	6.53E-08	1.77E-08	1.27E-13	3.84E-13	3.03E-13	2.7E-16	6.52E-15	3.6E-16	7.15181E-15	4.117E-10	6.534E-08	1.77E-08	1.29954E-13	1.09162E-15	6.48643E-14	1.8162E-16
647	571350.6	4178719	0.55, 41787	0.38785	0.41385	0.37184	109.17018	50.24459	147.83356	14.07795	10.0186	18.4792	3.81E-10	6.23E-08	1.37E-08	1.18E-13	3.55E-13	2.81E-13	2.5E-16	6.04E-15	3.33E-16	6.62151E-15	3.812E-10	6.2317E-08	1.37E-08	1.20318E-13	1.01067E-15	6.00547E-14	1.68153E-16
648	571390.6	4178719	0.55, 41787	0.35875	0.38356	0.34391	87.70597	48.80309	113.13015	10.96325	9.64341	14.14127	3.53E-10	5.58E-08	1.06E-08	1.09E-13	3.29E-13	2.6E-13	2.32E-16	5.59E-15	3.09E-16	6.13453E-15	3.532E-10	5.578E-08	1.06E-08	1.11469E-13	9.36343E-16	5.56379E-14	1.55786E-16
649	571430.6	4178719	0.55, 41787	0.33385	0.35563	0.32061	80.9107	47.09106	69.47289	11.59229	8.99084	10.76512	3.28E-10	4.93E-08	1.08E-08	1.01E-13	3.05E-13	2.41E-13	2.15E-16	5.19E-15	2.87E-16	5.6928E-15	3.277E-10	4.9333E-08	1.08E-08	1.03443E-13	8.6892E-16	5.16316E-14	1.44569E-16
650	571470.6	4178719	0.55, 41787	0.31507	0.33052	0.30587	111.40642	45.19171	126.48359	15.57659	8.16367	17.53078	3.06E-10	5.65E-08	1.48E-08	9.44E-14	2.85E-13	2.25E-13	2.01E-16	4.84E-15	2.67E-16	5.3123E-15	3.058E-10	5.6481E-08	1.48E-08	9.65287E-14	8.10841E-16	4.81806E-14	1.34906E-16
651	571510.6	4178719	0.55, 41787	0.29891	0.30701	0.29518	116.70467	43.07153	146.87884	15.95519	7.46065	19.6972	2.86E-10	5.75E-08	1.53E-08	8.82E-14	2.66E-13	2.1E-13	1.87E-16	4.53E-15	2.5E-16	4.9638E-15	2.858E-10	5.7488E-08	1.53E-08	9.01963E-14	7.57649E-16	4.50199E-14	1.26056E-16
652	571550.6	4178719	0.55, 41787	0.28299	0.28542	0.28355	93.20798	40.2806	109.70993	12.81909	6.80365	14.78577	2.67E-10	4.95E-08	1.22E-08	8.24E-14	2.49E-13	1.97E-13	1.75E-16	4.23E-15	2.34E-16	4.63888E-15	2.671E-10	4.9511E-08	1.22E-08	8.42922E-14	7.08054E-16	4.20729E-14	1.17804E-16
653	571590.6	4178719	0.55, 41787	0.2649	0.26495	0.26753	84.18961	37.57199	100.50298	12.02709	5.93847	14.35757	2.49E-10	4.58E-08	1.15E-08	7.67E-14	2.32E-13	1.83E-13	1.63E-16	3.94E-15	2.17E-16	4.3173E-15	2.486E-10	4.5758E-08	1.15E-08	7.84488E-14	6.5897E-16	3.91563E-14	1.09638E-16
654	570310.6	4178759	0.55, 41787	0.10291	0.08971	0.0989	86.89901	32.22927	93.76167	10.86238	4.40505	11.72021	8.61E-11	4.13E-08	1.03E-08	2.66E-14	8.03E-14	6.34E-14	5.65E-17	1.36E-15	7.53E-17	1.49633E-15	8.615E-11	4.1282E-08	1.03E-08	2.71896E-14	2.28393E-16	1.35712E-14	3.79994E-17
655	570350.6	4178759	0.55, 41787	0.11544	0.10167	0.11074	97.89636	38.6449	111.66772	12.23704	4.83061	13.95846	9.74E-11	4.89E-08	1.16E-08	3.01E-14	9.07E-14	7.17E-14	6.39E-17	1.54E-15	8.52E-17	1.69162E-15	9.739E-11	4.8889E-08	1.16E-08	3.07382E-14	2.58201E-16	1.53424E-14	4.29588E-17
656	570390.6	4178759	0.55, 41787	0.13027	0.11595	0.12485	105.67733	44.34348	129.76492	13.20967	5.54293	16.22061	1.11E-10	5.57E-08	1.27E-08	3.42E-14	1.03E-13	8.15E-14	7.27E-17	1.76E-15	9.69E-17	1.92456E-15	1.108E-10	5.5709E-08	1.27E-08	3.49708E-14	2.93754E-16	1.7455E-14	4.88741E-17
657	570430.6	4178759	0.55, 41787	0.14773	0.133	0.14184	109.21499	48.49986	141.11126	13.65187	6.24447	17.63891	1.27E-10	6.03E-08	1.32E-08	3.91E-14	1.18E-13	9.33E-14	8.32E-17	2.01E-15	1.11E-16	2.20257E-15	1.268E-10	6.0309E-08	1.32E-08	4.00226E-14	3.36189E-16	1.99765E-14	5.59343E-17
658	570470.6	4178759	0.55, 41787	0.16767	0.15301	0.16202	117.79795	52.53636	140.35154	14.72474	7.71399	17.54394	1.46E-10	6.4E-08	1.41E-08	4.49E-14	1.36E-13	1.07E-13	9.55E-17	2.31E-15	1.27E-16	2.52849E-15	1.456E-10	6.397E-08	1.41E-08	4.59447E-14	3.85936E-16	2.29325E-14	6.42109E-17
659	570510.6	4178759	0.55, 41787	0.191	0.17712	0.1864	128.29828	56.17436	171.94141	17.6792	9.03197	21.49268	1.68E-10	7.09E-08	1.7E-08	5.19E-14	1.57E-13	1.24E-13	1.1E-16	2.66E-15	1.47E-16	2.92029E-15	1.681E-10	7.0899E-08	1.7E-08	5.3064E-14	4.45737E-16	2.64859E-14	7.41606E-17
660	570550.6	4178759	0.55, 41787	0.21672	0.20498	0.21341	137.63049	58.52483	184.29573	19.6615	9.95092	26.17497	1.94E-10	7.47E-08	1.91E-08	5.99E-14	1.81E-13	1.43E-13	1.27E-16	3.07E-15	1.7E-16	3.36909E-15	1.94E-10	7.4742E-08	1.91E-08	6.12191E-14	5.1424E-16	3.05564E-14	8.55579E-17
661	570590.6	4178759	0.55, 41787	0.24504	0.23724	0.24166	142.23889	62.68425	205.21483	20.31984	10.25836	28.57469	2.23E-10	8.04E-08	1.99E-08	6.9E-14	2.08E-13	1.64E-13	1.47E-16	3.54E-15	1.95E-16	3.8811E-15	2.234E-10	8.0442E-08	1.99E-08	7.05227E-14	5.92391E-16	3.52001E-14	9.85604E-17
662	570630.6	4178759	0.55, 41787	0.27554	0.27375	0.26892	139.19636	70.02218	188.40794	19.61007	11.07526	25.7042	2.56E-10	8.39E-08	1.9E-08	7.91E-14	2.39E-13	1.89E-13	1.68E-16	4.06E-15	2.24E-16	4.44968E-15	2.562E-10	8.3903E-08	1.9E-08	8.08543E-14	6.79176E-16	4.0357E-14	1.13E-16
663	570670.6	4178759	0.55, 41787	0.30614	0.31293	0.29402	149.31547	72.47289	221.2081	21.10931	12.07881	31.37185	2.91E-10	9E-08	2.09E-08	8.97E-14	2.71E-13	2.14E-13	1.91E-16	4.6E-15	2.54E-16	5.04914E-15	2.907E-10	9.0039E-08	2.09E-08	9.17469E-14	7.70674E-16	4.57938E-14	1.28223E-16
664	570710.6	4178759	0.55, 41787	0.33494	0.35231	0.31792	164.794	71.08708	213.69891	21.55176	13.08376	26.71236	3.25E-10	8.95E-08	2.07E-08	1E-13	3.03E-13	2.39E-13	2.13E-16	5.15E-15	2.84E-16	5.64636E-15	3.251E-10	8.9516E-08	2.07E-08	1.02599E-13	8.61832E-16	5.12104E-14	1.43389E-16
665	570750.6	4178759	0.55, 41787	0.36674	0.3924	0.33661	179.38877	78.60477	216.64393	22.4236	16.36841	27.08049	3.6E-10	9.67E-08	2.15E-08	1.11E-13	3.35E-13	2.65E-13	2.36E-16	5.7E-15	3.14E-16	6.24767E-15	3.597E-10	9.6676E-08	2.15E-08	1.13525E-13	9.53613E-16	5.66641E-14	1.5866E-16
666	570790.6	4178759	0.55, 41787	0.40357	0.43625	0.34677	166.36606	82.34558	242.62848	21.7564	19.87746	30.35713	3.97E-10	1.01E-07	2.13E-08	1.22E-13	3.7E-13	2.92E-13	2.6E-16	6.28E-15	3.47E-16	6.88958E-15	3.966E-10	1.0111E-07	2.13E-08	1.25189E-13	1.05159E-15	6.24859E-14	1.74961E-16
667	570830.6	4178759	0.55, 41787	0.43354	0.48203	0.39259	188.6599	98.62945	246.30784	24.95504	19.43466	30.78848	4.38E-10	1.16E-07	2.4E-08	1.35E-13	4.08E-13	3.23E-13	2.87E-16	6.94E-15	3.83E-16	7.6117E-15	4.382E-10	1.1555E-07	2.4E-08	1.38311E-13	1.16181E-15	6.90353E-14	1.93299E-16
668	570870.6	4178759	0.55, 41787	0.46387	0.52331	0.45582	172.12292	120.25167	329.63715	21.51536	18.67269	41.20464	4.78E-10	1.39E-07	2.22E-08	1.48E-13	4.46E-13	3.52E-13	3.14E-16	7.58E-15	4.18E-16	8.30774E-15	4.783E-10	1.3909E-07	2.22E-08	1.50958E-13	1.26805E-15	7.53481E-14	2.10975E-16
669	570910.6	4178759	0.55, 41787	0.49085	0.54778	0.42691	176.15826	108.72169	296.15879	23.43896	19.655	37.01985	4.96E-10	1.27E-07	2.34E-08	1.53E-13	4.62E-13	3.65E-13	3.25E-16	7.85E-15	4.34E-16	8.61213E-15	4.958E-10	1.2729E-07	2.34E-08	1.56489E-13	1.31451E-15	7.81089E-14	2.18705E-16
670	570950.6	4178759	0.55, 41787	0.48762	0.55475	0.41816	180.46301	97.04885	324.78811	24.36206	20.46933	40.59851	5E-10	1.22E-07	2.45E-08	1.54E-13	4.66E-13	3.68E-13	3.28E-16	7.92E-15	4.37E-16	8.68193E-15	4.998E-10	1.2194E-07	2.45E-08	1.57758E-13	1.32516E-15	7.87419E-14	2.20477E-16
671	570990.6	4178759	0.55, 41787	0.49051	0.55159	0.43765	151.23194	87.28492	222.11928	25.20532	17.38113	28.62893	5E-10	1.01E-07	2.4E-08	1.54E-13	4.66E-13	3.68E-13	3.28E-16	7.92E-15	4.37E-16	8.68075E-15	4.998E-10	1.0137E-07	2.4E-08	1.57736E-13	1.32498E-15	7.87312E-14	2.20447E-16
672	571030.6	4178759	0.55, 41787	0.48428	0.53663	0.45626	187.58168	78.86438	272.43541	28.06386	15.68835	45.4059	4.9E-10	1.03E-07	2.81E-08	1.51E-13	4.57E-13	3.61E-13	3.21E-16	7.76E-15	4.28E-16	8.51137E-15	4.9E-10	1.0343E-07	2.81E-08	1.54659E-13	1.29913E-15	7.7195E-14	2.16146E-16
673	571070.6	4178759	0.55, 41787	0.467	0.51625	0.43604	163.79974	72.83551	258.94072	22.54296	13.46245	32.36759	4.71E-10	9.55E-08	2.22E-08	1.45E-13	4.39E-13	3.47E-13	3.09E-16	7.46E-15	4.12E-16	8.18447E-15	4.712E-10	9.5501E-08	2.22E-08	1.48718E-13	1.24924E-15	7.42301E-14	2.07844E-16
674	571110.6	4178759	0.55, 41787	0.44755	0.4933	0.39624	157.0432	65.36033	149.25903	19.63651	11.35189	22.10234	4.48E-10	7.78E-08	1.87E-08	1.38E-13	4.18E-13	3.3E-13	2.94E-16	7.1E-15	3.92E-16	7.78522E-15	4.482E-10	7.78E-08	1.87E-08	1.41464E-13	1.1883E-15	7.06091E-14	1.97706E-16
675	571150.6	4178759	0.55, 41787	0.4302	0.46818	0.38775	183.98767	62.14189	232.46693	23.05685	11.54043	29.05837	4.27E-10	8.64E-08	2.22E-08	1.32E-13	3.98E-13	3.14E-13	2.8E-16	6.76E-15	3.73E-16	7.4181E-15	4.271E-10	8.6419E-08	2.22E-08	1.34793E-13	1.13226E-15	6.72795E-14	1.88383E-16
676	571190.6	4178759	0.55, 41787	0.41561	0.44245	0.39452	166.33485	59.4631	232.20811	21.02615	11.70076	29.03347	4.07E-10	8.29E-08	2.05E-08	1.26E-13	3.8E-13	3E-13	2.67E-16	6.45E-15	3.56E-16	7.07499E-15	4.073E-10	8.2903E-08	2.05E-08	1.28558E-13	1.07989E-15	6.41676E-14	1.79669E-16
677	571230.6	4178759	0.55, 41787	0.39577	0.41616	0.38297	133.04594	57.55284	174.38403	19.00656	11.25795	24.912	3.85E-10	7.26E-08	1.84E-08	1.19E-13	3.59E-13	2.83E-13	2.52E-16	6.09E-15	3.36E-16	6.68344E-15	3.848E-10	7.2586E-08	1.84E-08	1.21444E-13	1.02013E-15	6.06164E-14	1.69726E-16
678	571270.6	4178759	0.55, 41787	0.36933	0.38979	0.3568	133.93343	52.76944	163.09994	18.49966	10.32502	20.38749	3.6E-10	6.79E-08	1.75E-08	1.11E-13	3.36E-13	2.65E-13	2.36E-16	5.7E-15	3.15E-16	6.25447E-15	3.601E-10	6.7897E-08	1.75E-08	1.13649E-13	9.54651E-16	5.67258E-14	1.58832E-16
679	571310.6	4178759	0.55, 41787	0.3411	0.36413	0.32902	131.1619	50.25063	168.23883	18.11843	9.56125	22.87944	3.36E-10	6.63E-08	1.75E-08	1.04E-13	3.13E-13	2.47E-13	2.2E-16	5.32E-15	2.93E-16	5.82917E-15	3.356E-10	6.6321E-08	1.75E-08	1.05921E-13	8.89734E-16	5.28684E-14	1.48032E-16
680	571350.6	4178759	0.55, 41787	0.31543	0.34037	0.30452	103.20737	47.94128	136.71003	14.62528	9.08266	18.8743	3.13E-10	5.89E-08	1.42E-08	9.66E-14	2.92E-13	2.3E-13	2.05E-16	4.96E-15	2.74E-16	5.43827E-15	3.131E-10	5.8922E-08	1.42E-08	9.88179E-14	8.3007E-16	4.93231E-14	1.38105E-16
681	571390.6	4178759	0.55, 41787	0.29206	0.31801	0.28181	95.20975	46.26011	128.00267	11.90122	8.7596	16.00033	2.92E-10	5.61E-08	1.16E-08	9.01E-14	2.72E-13	2.15E-13	1.91E-16	4.63E-15	2.55E-16	5.0722E-15	2.92E-10	5.6076E-08	1.16E-08	9.2166E-14	7.74194E-16	4.6003E-14	1.28808E-16
682	571430.6	4178759	0.55, 41787	0.27184	0.29676	0.26169	65.82255	44.97926	77.28464	8.48847	8.42183	11.06277	2.72E-10	4.73E-08	8.23E-09	8.4E-14	2.54E-13	2E-13	1.79E-16	4.31E-15	2.38E-16	4.72988E-15	2.723E-10	4.7306E-08	8.23E-09	8.59457E-14	7.21944E-16	4.28983E-14	1.20115E-16
683	571470.6	4178759	0.55, 41787	0.25781	0.27877	0.24855	74.19853	43.62462	66.74746	10.92817	7.8818	10.16339	2.56E-10	4.59E-08	1.02E-08	7.91E-14	2.39E-13	1.89E-13	1.68E-16	4.06E-15	2.24E-16	4.45171E-15	2.563E-10	4.5889E-08	1.02E-08	8.08912E-14	6.79486E-16	4.03754E-14	1.13051E-16
684	571510.6	4178759	0.55, 41787	0.24715	0.26193	0.24035	102.14842	42.0514	116.58455	14.2101	7.23025	16.16505	2.42E-10	5.23E-08	1.35E-08	7.47E-14	2.25E-13	1.78E-13	1.59E-16	3.83E-15	2.12E-16	4.20243E-15	2.419E-10	5.2311E-08	1.35E-08	7.63616E-14	6.41437E-16	3.81145E-14	1.06721E-16
685	571550.6	4178759	0.55, 41787	0.23772	0.24585	0.23427	104.82233	40.15762	128.89855	14.31586	6.66643	17.41071	2.28E-10	5.24E-08	1.37E-08	7.05E-14	2.13E-13	1.68E-13	1.5E-16	3.62E-15	2E-16	3.9687E-15	2.285E-10	5.2417E-08	1.37E-08	7.21145E-14	6.05762E-16	3.59947E-14	1.00785E-16
686	571590.6	4178759	0.55, 41787	0.22808	0.23097	0.22747	83.60184	37.747	96.99907	11.46846	6.12919	13.15855	2.16E-10	4.55E-08	1.09E-08	6.66E-14	2.01E-13	1.59E-13	1.42E-16	3.42E-15	1.89E-16	3.74893E-15	2.158E-10	4.547E-08	1.09E-08	6.81211E-14	5.72217E-16	3.40014E-14	9.52039E-17
687	570310.6	4178799	0.55, 41787	0.10253	0.09048	0.09887	92.22772	37.68456	108.42661	11.52846	4.71057	13.55333	8.67E-11	4.74E-08	1.1E-08	2.68E-14	8.08E-14	6.38E-14	5.68E-17	1.37E-15	7.58E-17	1.50572E-15	8.669E-11	4.7353E-08	1.1E-08	2.73602E-14	2.29826E-16	1.36564E-14	3.82378E-17
688	570350.6	4178799	0.55, 41787	0.11434	0.10195	0.11024	96.42289	41.82094	119.06345	12.05286	5.22762	14.88293	9.75E-11	5.19E-08	1.16E-08	3.01E-14	9.08E-14	7.17E-14	6.39E-17	1.54E-15	8.52E-17	1.69274E-15	9.746E-11	5.1918E-08	1.16E-08	3.07584E-14	2.58371E-16	1.53525E-14	4.2987E-17
689	570390.6	4178799	0.55, 41787	0.12785	0.11532	0.12365	96.70849	44.28794	121.57528	12.08856	5.83168	15.19691	1.1E-10	5.41E-08	1.17E-08	3.39E-14	1.02E-13	8.1E-14	7.21E-17	1.74E-15	9.62E-17	1.91064E-15	1.1E-10	5.4051E-08	1.17E-08	3.47179E-14	2.91631E-16	1.73288E-14	4.85207E-17
690	570430.6	4178799	0.55, 41787	0.14288	0.13064	0.13911	109.4746	48.39009	132.26529	13.83026	6.97525	16.53316	1.24E-10	5.93E-08	1.32E-08	3.84E-14	1.16E-13	9.15E-14	8.15E-17	1.97E-15	1.09E-16	2.15984E-15	1.243E-10	5.9318E-08	1.32E-08	3.92461E-14	3.29667E-16	1.9589E-14	5.48491E-17
691	570470.6	4178799	0.55, 41787	0.15993	0.14857	0.15692	116.3647	50.80214	153.38363	16.31235	7.92735	19.17295	1.41E-10	6.39E-08	1.56E-08	4.35E-14	1.31E-13	1.04E-13	9.25E-17	2.23E-15	1.23E-16	2.45019E-15	1.411E-10	6.3924E-08	1.56E-08	4.45219E-14	3.73984E-16	2.22223E-14	6.22224E-17
692	570510.6	4178799	0.55, 41787	0.17816	0.16871	0.17591	124.77861	52.11481	162.22151	17.82552	8.49382	23.1745	1.6E-10	6.65E-08	1.73E-08	4.93E-14	1.49E-13	1.18E-13	1.05E-16	2.53E-15	1.4E-16	2.77311E-15	1.597E-10	6.6544E-08	1.73E-08	5.03897E-14	4.23274E-16	2.51511E-14	7.04232E-17
693	570550.6	4178799	0.55, 41787	0.19752	0.19131	0.19507	126.89522	56.18657	175.78093	18.12789	8.51005	24.21863	1.8E-10	7.12E-08	1.76E-08	5.56E-14	1.68E-13	1.33E-13	1.18E-16	2.85E-15	1.58E-16	3.12995E-15	1.802E-10	7.1194E-08	1.76E-08	5.68738E-14	4.7774E-16	2.83875E-14	7.94851E-17
694	570590.6	4178799	0.55, 41787	0.21773	0.21627	0.21308	122.68072	62.5324	158.46837	17.14296	9.80776	21.67538	2.02E-10	7.38E-08	1.65E-08	6.25E-14	1.89E-13	1.49E-13	1.33E-16	3.21E-15	1.77E-16	3.51658E-15	2.025E-10	7.3761E-08	1.65E-08	6.38991E-14	5.36753E-16	3.18941E-14	8.93035E-17
695	570630.6	4178799	0.55, 41787	0.23771	0.24268	0.22932	133.9153	64.36556	188.20796	18.95521	10.72759	26.70167	2.26E-10	7.92E-08	1.86E-08	6.96E-14	2.1E-13	1.66E-13	1.48E-16	3.57E-15	1.97E-16	3.91847E-15	2.256E-10	7.9208E-08	1.86E-08	7.12018E-14	5.98095E-16	3.55391E-14	9.95094E-17
696	570670.6	4178799	0.55, 41787	0.25595	0.26895	0.24514	141.94782	63.09907	182.20008	19.13844	10.57117	23.96944	2.48E-10	7.83E-08	1.84E-08	7.67E-14	2.31E-13	1.83E-13	1.63E-16	3.94E-15	2.17E-16	4.31522E-15	2.484E-10	7.8305E-08	1.84E-08	7.84111E-14	6.58654E-16	3.91375E-14	1.09585E-16
697	570710.6	4178799	0.55, 41787	0.27273	0.29382	0.2595	157.12572	66.69563	192.86918	19.64072	11.93189	24.10865	2.7E-10	8.34E-08	1.89E-08	8.33E-14	2.52E-13	1.99E-13	1.77E-16	4.28E-15	2.36E-16	4.689E-15	2.7E-10	8.3395E-08	1.89E-08	8.52029E-14	7.15704E-16	4.25275E-14	1.19077E-16
698	570750.6	4178799	0.55, 41787	0.29355	0.31916	0.26739	152.65771	72.44297	180.42039	19.08221	15.18472	22.55534	2.91E-10	8.6E-08	1.82E-08	8.99E-14	2.72E-13	2.15E-13	1.91E-16	4.62E-15	2.55E-16	5.06295E-15	2.915E-10	8.6006E-08	1.82E-08	9.19979E-14	7.72783E-16	4.59191E-14	1.28574E-16
699	570790.6	4178799	0.55, 41787	0.31688	0.34759	0.27611	157.73005	72.26845	195.86787	20.13646	16.34526	24.48348	3.16E-10	8.79E-08	1.93E-08	9.74E-14	2.94E-13	2.32E-13	2.07E-16	5E-15	2.76E-16	5.48222E-15	3.156E-10	8.7928E-08	1.93E-08	9.96165E-14	8.36778E-16	4.97218E-14	1.39221E-16
700	570830.6	4178799	0.55, 41787	0.33524	0.37796	0.31984	162.23746	94.66133	234.71664	21.09567	14.73083	29.33958	3.44E-10	1.09E-07	2.06E-08	1.06E-13	3.21E-13	2.54E-13	2.26E-16	5.46E-15	3.01E-16	5.98342E-15	3.445E-10	1.0914E-07	2.06E-08	1.08724E-13	9.13279E-16	5.42674E-14	1.51949E-16
701	570870.6	4178799	0.55, 41787	0.35595	0.40358	0.35265	158.80625	107.46352	263.60655	19.85078	16.70272	32.95082	3.69E-10	1.21E-07	2E-08	1.14E-13	3.44E-13	2.71E-13	2.42E-16	5.84E-15	3.22E-16	6.40641E-15	3.688E-10	1.2146E-07	2E-08	1.1641E-13	9.77841E-16	5.81038E-14	1.62691E-16
702	570910.6	4178799	0.55, 41787	0.3676	0.41723	0.32417	150.41188	96.98395	247.06251	18.80149	15.72408	30.88281	3.77E-10	1.11E-07	1.89E-08	1.16E-13	3.51E-13	2.77E-13	2.47E-16	5.97E-15	3.3E-16	6.54865E-15	3.77E-10	1.1118E-07	1.89E-08	1.18994E-13	9.99552E-16	5.93939E-14	1.66303E-16
703	570950.6	4178799	0.55, 41787	0.34637	0.40141	0.30552	159.46188	87.41269	275.63404	19.93273	16.48069	34.45425	3.61E-10	1.08E-07	2.02E-08	1.12E-13	3.37E-13	2.66E-13	2.37E-16	5.73E-15	3.16E-16	6.27806E-15	3.614E-10	1.0779E-07	2.02E-08	1.14077E-13	9.58251E-16	5.69397E-14	1.59431E-16
704	570990.6	4178799	0.55, 41787	0.35579	0.40756	0.32647	119.48057	79.68844	146.33228	17.5796	14.60553	25.33485	3.69E-10	8.5E-08	1.73E-08	1.14E-13	3.44E-13	2.72E-13	2.42E-16	5.85E-15	3.23E-16	6.41E-15	3.69E-10	8.5042E-08	1.73E-08	1.16475E-13	9.7839E-16	5.81364E-14	1.62782E-16
705	571030.6	4178799	0.55, 41787	0.37225	0.416	0.35619	155.14917	72.93395	196.55996	24.86673	12.948	30.87431	3.8E-10	8.83E-08	2.39E-08	1.17E-13	3.54E-13	2.8E-13	2.49E-16	6.02E-15	3.32E-16	6.59801E-15	3.799E-10	8.8281E-08	2.39E-08	1.19891E-13	1.00709E-15	5.98416E-14	1.67556E-16
706	571070.6	4178799	0.55, 41787	0.3594	0.40135	0.34666	158.59146	67.81733	220.83512	22.65592	11.74555	33.70367	3.67E-10	8.73E-08	2.24E-08	1.13E-13	3.42E-13	2.7E-13	2.41E-16	5.81E-15	3.21E-16	6.37154E-15	3.668E-10	8.73E-08	2.24E-08	1.15776E-13	9.72519E-16	5.77876E-14	1.61805E-16
707	571110.6	4178799	0.55, 41787	0.34191	0.38638	0.31575	133.9595	62.41991	198.12185	16.74494	10.40332	24.76523	3.51E-10	7.88E-08	1.65E-08	1.08E-13	3.27E-13	2.58E-13	2.3E-16	5.56E-15	3.07E-16	6.09505E-15	3.509E-10	7.88E-08	1.65E-08	1.10752E-13	9.30317E-16	5.52798E-14	1.54784E-16
708	571150.6	4178799	0.55, 41787	0.32926	0.37153	0.29721	140.52662	58.47073	122.49716	17.56829	9.74512	16.40698	3.37E-10	6.84E-08	1.63E-08	1.04E-13	3.14E-13	2.48E-13	2.21E-16	5.33E-15	2.94E-16	5.8498E-15	3.368E-10	6.8441E-08	1.63E-08	1.06296E-13	8.92884E-16	5.30556E-14	1.48556E-16
709	571190.6	4178799	0.55, 41787	0.32393	0.35615	0.30055	162.80337	55.99612	201.90064	20.37225	9.46414	25.23758	3.25E-10	7.68E-08	1.96E-08	1E-13	3.03E-13	2.39E-13	2.13E-16	5.15E-15	2.84E-16	5.64838E-15	3.252E-10	7.6824E-08	1.96E-08	1.02636E-13	8.62139E-16	5.12287E-14	1.4344E-16
710	571230.6	4178799	0.55, 41787	0.31732	0.33876	0.30501	141.0743	54.42569	191.70239	17.72831	9.52966	23.96639	3.12E-10	7.27E-08	1.73E-08	9.63E-14	2.91E-13	2.3E-13	2.05E-16	4.94E-15	2.73E-16	5.42102E-15	3.121E-10	7.2747E-08	1.73E-08	9.85044E-14	8.27437E-16	4.91667E-14	1.37667E-16
711	571270.6	4178799	0.55, 41787	0.30415	0.32027	0.29829	116.54381	51.24633	144.90939	16.64912	9.13765	20.70134	2.96E-10	6.34E-08	1.6E-08	9.15E-14	2.76E-13	2.18E-13	1.94E-16	4.7E-15	2.59E-16	5.14936E-15	2.965E-10	6.3379E-08	1.6E-08	9.3568E-14	7.85971E-16	4.67028E-14	1.30768E-16
712	571310.6	4178799	0.55, 41787	0.28608	0.30211	0.28212	111.77517	48.08718	136.31939	15.28029	8.60329	17.73191	2.8E-10	5.97E-08	1.46E-08	8.63E-14	2.61E-13	2.06E-13	1.83E-16	4.43E-15	2.45E-16	4.85753E-15	2.797E-10	5.9712E-08	1.46E-08	8.82653E-14	7.41428E-16	4.4056E-14	1.23357E-16
713	571350.6	4178799	0.55, 41787	0.26522	0.28423	0.2608	116.94553	46.1941	139.01017	15.97517	8.23917	19.97796	2.62E-10	5.9E-08	1.54E-08	8.09E-14	2.44E-13	1.93E-13	1.72E-16	4.15E-15	2.29E-16	4.55585E-15	2.623E-10	5.9015E-08	1.54E-08	8.27834E-14	6.95381E-16	4.13199E-14	1.15696E-16
714	571390.6	4178799	0.55, 41787	0.24309	0.26586	0.23735	101.64822	44.37475	130.479	13.96186	7.97488	17.70328	2.44E-10	5.55E-08	1.35E-08	7.54E-14	2.28E-13	1.8E-13	1.6E-16	3.87E-15	2.14E-16	4.24205E-15	2.442E-10	5.5469E-08	1.35E-08	7.70815E-14	6.47484E-16	3.84738E-14	1.07727E-16
715	571430.6	4178799	0.55, 41787	0.22645	0.25105	0.21957	78.66707	42.96369	101.00422	10.22882	7.75525	13.14754	2.3E-10	4.94E-08	9.89E-09	7.09E-14	2.14E-13	1.69E-13	1.51E-16	3.64E-15	2.01E-16	3.99288E-15	2.299E-10	4.9377E-08	9.89E-09	7.25538E-14	6.09452E-16	3.62139E-14	1.01399E-16
716	571470.6	4178799	0.55, 41787	0.21325	0.23694	0.20607	47.64153	41.84289	57.10773	7.70461	7.45296	10.06314	2.17E-10	4.13E-08	7.47E-09	6.69E-14	2.02E-13	1.6E-13	1.42E-16	3.43E-15	1.9E-16	3.76565E-15	2.168E-10	4.1307E-08	7.47E-09	6.84249E-14	5.74769E-16	3.41531E-14	9.56286E-17
717	571510.6	4178799	0.55, 41787	0.20623	0.22585	0.19985	71.44774	40.73398	67.79843	10.29216	7.00806	9.90291	2.07E-10	4.36E-08	9.6E-09	6.4E-14	1.93E-13	1.53E-13	1.36E-16	3.28E-15	1.81E-16	3.59999E-15	2.073E-10	4.3607E-08	9.6E-09	6.54148E-14	5.49484E-16	3.26506E-14	9.14217E-17
718	571550.6	4178799	0.55, 41787	0.19818	0.21228	0.19356	94.10249	39.35835	107.36049	13.01678	6.4744	14.79864	1.96E-10	4.86E-08	1.24E-08	6.04E-14	1.82E-13	1.44E-13	1.28E-16	3.1E-15	1.71E-16	3.40049E-15	1.958E-10	4.865E-08	1.24E-08	6.17897E-14	5.19033E-16	3.08412E-14	8.63553E-17
719	571590.6	4178799	0.55, 41787	0.19254	0.20073	0.18997	94.76849	37.66806	114.23818	12.95063	6.01952	15.50303	1.86E-10	4.82E-08	1.24E-08	5.75E-14	1.74E-13	1.37E-13	1.22E-16	2.95E-15	1.63E-16	3.23568E-15	1.863E-10	4.8166E-08	1.24E-08	5.8795E-14	4.93878E-16	2.93464E-14	8.21701E-17
720	570310.6	4178839	0.55, 41788	0.10118	0.0904	0.098	86.93136	38.98232	105.93151	10.86642	4.87279	13.24144	8.64E-11	4.76E-08	1.04E-08	2.67E-14	8.05E-14	6.36E-14	5.67E-17	1.37E-15	7.56E-17	1.50112E-15	8.642E-11	4.7614E-08	1.04E-08	2.72766E-14	2.29123E-16	1.36146E-14	3.81209E-17
721	570350.6	4178839	0.55, 41788	0.1118	0.10104	0.10874	92.10266	41.60712	103.12867	11.51283	5.43734	12.89108	9.64E-11	4.97E-08	1.09E-08	2.97E-14	8.98E-14	7.1E-14	6.32E-17	1.53E-15	8.43E-17	1.67446E-15	9.64E-11	4.9717E-08	1.09E-08	3.04264E-14	2.55581E-16	1.51868E-14	4.2523E-17
722	570390.6	4178839	0.55, 41788	0.12335	0.11299	0.12071	101.58992	44.39945	123.8041	13.097	6.32134	15.47551	1.08E-10	5.48E-08	1.25E-08	3.32E-14	1E-13	7.92E-14	7.05E-17	1.7E-15	9.41E-17	1.86843E-15	1.076E-10	5.478E-08	1.25E-08	3.39509E-14	2.85187E-16	1.6946E-14	4.74487E-17
723	570430.6	4178839	0.55, 41788	0.13612	0.12663	0.1341	105.75261	46.22171	135.82058	15.10752	6.99394	17.72822	1.2E-10	5.78E-08	1.44E-08	3.71E-14	1.12E-13	8.85E-14	7.89E-17	1.9E-15	1.05E-16	2.08872E-15	1.203E-10	5.7757E-08	1.44E-08	3.79537E-14	3.18811E-16	1.89439E-14	5.3043E-17
724	570470.6	4178839	0.55, 41788	0.14941	0.1416	0.14777	113.55911	47.52324	144.14907	16.22273	7.30549	20.59272	1.34E-10	6.03E-08	1.57E-08	4.14E-14	1.25E-13	9.86E-14	8.79E-17	2.12E-15	1.17E-16	2.32756E-15	1.34E-10	6.0264E-08	1.57E-08	4.22936E-14	3.55266E-16	2.11101E-14	5.91083E-17
725	570510.6	4178839	0.55, 41788	0.16314	0.158	0.16129	114.44641	50.69094	152.51274	16.21485	7.16417	20.85712	1.49E-10	6.36E-08	1.57E-08	4.59E-14	1.39E-13	1.1E-13	9.76E-17	2.36E-15	1.3E-16	2.58533E-15	1.488E-10	6.3588E-08	1.57E-08	4.69776E-14	3.94612E-16	2.3448E-14	6.56545E-17
726	570550.6	4178839	0.55, 41788	0.17704	0.17576	0.1737	109.2842	56.30775	135.99936	15.45924	8.75778	18.63755	1.65E-10	6.56E-08	1.48E-08	5.08E-14	1.53E-13	1.21E-13	1.08E-16	2.61E-15	1.44E-16	2.85899E-15	1.646E-10	6.5615E-08	1.48E-08	5.19502E-14	4.36382E-16	2.593E-14	7.2604E-17
727	570590.6	4178839	0.55, 41788	0.1907	0.19445	0.18485	121.04262	57.73789	162.59872	17.123	9.62298	23.05827	1.81E-10	7.05E-08	1.67E-08	5.58E-14	1.69E-13	1.33E-13	1.19E-16	2.87E-15	1.58E-16	3.14208E-15	1.809E-10	7.0473E-08	1.67E-08	5.70941E-14	4.7959E-16	2.84975E-14	7.97929E-17
728	570630.6	4178839	0.55, 41788	0.20316	0.21304	0.19546	125.84874	56.85617	163.76967	17.26057	9.47603	21.8341	1.97E-10	7.03E-08	1.67E-08	6.08E-14	1.84E-13	1.45E-13	1.29E-16	3.12E-15	1.72E-16	3.42112E-15	1.97E-10	7.0342E-08	1.67E-08	6.21645E-14	5.22181E-16	3.10283E-14	8.68791E-17
729	570670.6	4178839	0.55, 41788	0.21386	0.23043	0.20601	138.80556	56.19819	167.35734	17.35069	9.51337	20.91967	2.12E-10	7.13E-08	1.66E-08	6.54E-14	1.98E-13	1.56E-13	1.39E-16	3.36E-15	1.85E-16	3.68189E-15	2.12E-10	7.1319E-08	1.66E-08	6.69029E-14	5.61985E-16	3.33934E-14	9.35015E-17
730	570710.6	4178839	0.55, 41788	0.22462	0.24643	0.21368	139.69865	64.11019	158.44625	17.46233	11.64998	19.80578	2.26E-10	7.64E-08	1.66E-08	6.96E-14	2.1E-13	1.66E-13	1.48E-16	3.57E-15	1.97E-16	3.91943E-15	2.257E-10	7.6372E-08	1.66E-08	7.12193E-14	5.98242E-16	3.55478E-14	9.95339E-17
731	570750.6	4178839	0.55, 41788	0.23931	0.26333	0.21642	129.30344	65.03758	176.13066	16.25667	13.35444	22.02002	2.4E-10	7.81E-08	1.58E-08	7.4E-14	2.23E-13	1.76E-13	1.57E-16	3.8E-15	2.1E-16	4.1654E-15	2.398E-10	7.8051E-08	1.58E-08	7.56888E-14	6.35786E-16	3.77787E-14	1.0578E-16
732	570790.6	4178839	0.55, 41788	0.2546	0.28325	0.22784	148.04332	66.52984	161.44916	18.88746	13.10425	20.18115	2.57E-10	7.92E-08	1.78E-08	7.94E-14	2.4E-13	1.89E-13	1.69E-16	4.07E-15	2.25E-16	4.46734E-15	2.572E-10	7.9199E-08	1.78E-08	8.11751E-14	6.81871E-16	4.05171E-14	1.13448E-16
733	570830.6	4178839	0.55, 41788	0.26766	0.30497	0.26524	136.3658	90.38201	203.70222	17.19519	14.05196	26.51864	2.78E-10	1E-07	1.71E-08	8.59E-14	2.59E-13	2.05E-13	1.83E-16	4.41E-15	2.43E-16	4.83688E-15	2.785E-10	1.005E-07	1.71E-08	8.789E-14	7.38276E-16	4.38687E-14	1.22832E-16
734	570870.6	4178839	0.55, 41788	0.28248	0.32215	0.27934	145.76117	97.26265	213.43334	18.22015	15.13016	26.67917	2.94E-10	1.07E-07	1.8E-08	9.07E-14	2.74E-13	2.16E-13	1.93E-16	4.66E-15	2.57E-16	5.10744E-15	2.94E-10	1.0746E-07	1.8E-08	9.28063E-14	7.79573E-16	4.63226E-14	1.29703E-16
735	570910.6	4178839	0.55, 41788	0.28799	0.33135	0.25629	130.6935	87.1686	210.24612	16.33669	13.50967	26.28077	2.99E-10	9.83E-08	1.64E-08	9.23E-14	2.79E-13	2.2E-13	1.96E-16	4.74E-15	2.61E-16	5.19284E-15	2.99E-10	9.8305E-08	1.64E-08	9.43581E-14	7.92608E-16	4.70971E-14	1.31872E-16
736	570950.6	4178839	0.55, 41788	0.28758	0.33724	0.25781	143.26415	81.64199	232.33178	17.90802	13.93242	29.04147	3.03E-10	9.76E-08	1.8E-08	9.37E-14	2.83E-13	2.23E-13	1.99E-16	4.81E-15	2.65E-16	5.27151E-15	3.035E-10	9.7556E-08	1.8E-08	9.57876E-14	8.04616E-16	4.78106E-14	1.3387E-16
737	570990.6	4178839	0.55, 41788	0.28844	0.33412	0.27084	115.42228	74.82901	134.90402	15.11344	13.01217	21.06919	3.03E-10	7.99E-08	1.48E-08	9.34E-14	2.82E-13	2.23E-13	1.98E-16	4.79E-15	2.65E-16	5.25607E-15	3.026E-10	7.9864E-08	1.48E-08	9.5507E-14	8.02259E-16	4.76706E-14	1.33478E-16
738	571030.6	4178839	0.55, 41788	0.29049	0.32848	0.28015	122.60648	67.85889	167.69329	20.43441	11.21527	20.96166	3E-10	7.87E-08	1.92E-08	9.24E-14	2.79E-13	2.2E-13	1.96E-16	4.74E-15	2.62E-16	5.20284E-15	2.995E-10	7.8709E-08	1.92E-08	9.45398E-14	7.94134E-16	4.71878E-14	1.32126E-16
739	571070.6	4178839	0.55, 41788	0.28682	0.32211	0.27916	145.80556	62.69899	194.95005	22.09774	10.44682	32.49167	2.94E-10	7.97E-08	2.18E-08	9.08E-14	2.74E-13	2.17E-13	1.93E-16	4.66E-15	2.57E-16	5.11294E-15	2.944E-10	7.9673E-08	2.18E-08	9.29062E-14	7.80412E-16	4.63725E-14	1.29843E-16
740	571110.6	4178839	0.55, 41788	0.272	0.3104	0.2597	131.09883	59.8466	180.45962	17.36249	9.97443	23.15348	2.82E-10	7.48E-08	1.69E-08	8.71E-14	2.63E-13	2.08E-13	1.85E-16	4.47E-15	2.47E-16	4.90361E-15	2.823E-10	7.4777E-08	1.69E-08	8.91026E-14	7.48462E-16	4.4474E-14	1.24527E-16
741	571150.6	4178839	0.55, 41788	0.26	0.30055	0.24148	99.99815	55.57889	134.60776	12.49977	9.26315	16.82597	2.72E-10	6.41E-08	1.22E-08	8.39E-14	2.53E-13	2E-13	1.78E-16	4.31E-15	2.38E-16	4.72484E-15	2.72E-10	6.4141E-08	1.22E-08	8.58541E-14	7.21175E-16	4.28525E-14	1.19987E-16
742	571190.6	4178839	0.55, 41788	0.2552	0.29099	0.23588	127.82601	53.11626	132.48794	15.97966	8.85271	16.56099	2.64E-10	6.44E-08	1.5E-08	8.14E-14	2.46E-13	1.94E-13	1.73E-16	4.18E-15	2.31E-16	4.58343E-15	2.639E-10	6.442E-08	1.5E-08	8.32846E-14	6.99591E-16	4.157E-14	1.16396E-16
743	571230.6	4178839	0.55, 41788	0.25406	0.28009	0.23929	144.46225	51.51588	176.21864	18.06666	8.58598	22.02733	2.56E-10	6.92E-08	1.73E-08	7.9E-14	2.39E-13	1.88E-13	1.68E-16	4.05E-15	2.24E-16	4.44644E-15	2.56E-10	6.9227E-08	1.73E-08	8.07954E-14	6.78681E-16	4.03276E-14	1.12917E-16
744	571270.6	4178839	0.55, 41788	0.2507	0.26766	0.24251	121.82335	49.56018	161.92313	15.26733	8.26003	20.24326	2.47E-10	6.44E-08	1.48E-08	7.61E-14	2.3E-13	1.82E-13	1.62E-16	3.91E-15	2.16E-16	4.28599E-15	2.468E-10	6.4354E-08	1.48E-08	7.78799E-14	6.54191E-16	3.88723E-14	1.08843E-16
745	571310.6	4178839	0.55, 41788	0.24184	0.25433	0.23951	103.21026	44.65355	122.05645	14.74432	7.58702	17.43664	2.36E-10	5.49E-08	1.41E-08	7.27E-14	2.2E-13	1.73E-13	1.55E-16	3.73E-15	2.06E-16	4.09443E-15	2.357E-10	5.4922E-08	1.41E-08	7.43991E-14	6.24953E-16	3.7135E-14	1.03978E-16
746	571350.6	4178839	0.55, 41788	0.22797	0.24079	0.22797	99.0464	44.12829	113.73434	14.35742	7.39344	18.63488	2.23E-10	5.33E-08	1.39E-08	6.89E-14	2.08E-13	1.64E-13	1.46E-16	3.54E-15	1.95E-16	3.87721E-15	2.232E-10	5.3303E-08	1.39E-08	7.04521E-14	5.91797E-16	3.51649E-14	9.84617E-17
747	571390.6	4178839	0.55, 41788	0.21103	0.22733	0.21036	102.76287	42.76623	112.22851	13.91866	7.25999	15.15441	2.1E-10	5.24E-08	1.32E-08	6.48E-14	1.96E-13	1.54E-13	1.38E-16	3.32E-15	1.84E-16	3.64544E-15	2.099E-10	5.2439E-08	1.32E-08	6.62407E-14	5.56422E-16	3.30628E-14	9.2576E-17
748	571430.6	4178839	0.55, 41788	0.19469	0.21494	0.19186	96.70075	41.37793	118.14409	13.13698	7.12068	15.87157	1.97E-10	5.15E-08	1.26E-08	6.09E-14	1.84E-13	1.45E-13	1.29E-16	3.12E-15	1.72E-16	3.42682E-15	1.973E-10	5.1513E-08	1.26E-08	6.22682E-14	5.23053E-16	3.108E-14	8.70241E-17
749	571470.6	4178839	0.55, 41788	0.18137	0.20392	0.17665	77.02264	40.18933	97.95965	10.5662	6.94319	13.29535	1.86E-10	4.68E-08	1.02E-08	5.75E-14	1.74E-13	1.37E-13	1.22E-16	2.95E-15	1.63E-16	3.23642E-15	1.863E-10	4.6844E-08	1.02E-08	5.88085E-14	4.93991E-16	2.93532E-14	8.21889E-17
750	571510.6	4178839	0.55, 41788	0.17253	0.19446	0.16733	52.60803	39.21497	67.39367	7.34906	6.67327	9.32595	1.78E-10	4.08E-08	7.1E-09	5.48E-14	1.65E-13	1.31E-13	1.16E-16	2.81E-15	1.55E-16	3.0836E-15	1.775E-10	4.0842E-08	7.1E-09	5.60316E-14	4.70665E-16	2.79672E-14	7.83081E-17
751	571550.6	4178839	0.55, 41788	0.16797	0.18619	0.16347	68.59481	38.25365	67.50423	9.65516	6.29212	9.48561	1.71E-10	4.15E-08	9.03E-09	5.26E-14	1.59E-13	1.26E-13	1.12E-16	2.7E-15	1.49E-16	2.96248E-15	1.706E-10	4.1481E-08	9.03E-09	5.38307E-14	4.52178E-16	2.68686E-14	7.52321E-17
752	571590.6	4178839	0.55, 41788	0.16271	0.17607	0.15959	86.9293	37.04871	99.01478	11.93163	5.86384	13.49632	1.62E-10	4.54E-08	1.13E-08	5E-14	1.51E-13	1.19E-13	1.06E-16	2.57E-15	1.42E-16	2.81627E-15	1.621E-10	4.5441E-08	1.13E-08	5.11739E-14	4.29861E-16	2.55425E-14	7.15191E-17
753	570839.2	4178446	9.17, 41784	74.46739	6.86955	3.72049	1115.31188	246.53605	1658.95445	545.24687	92.47095	232.89196	1.18E-08	4.53E-07	4.78E-07	3.64E-12	1.1E-11	8.68E-12	7.74E-15	1.87E-13	1.03E-14	2.04918E-13	1.18E-08	4.5283E-07	4.78E-07	3.72353E-12	3.12777E-14	1.85854E-12	5.2039E-15
754	570839.2	4178486	9.17, 41784	72.70489	8.35312	4.22209	2611.28562	240.43522	1473.87155	1286.82968	90.10385	245.64526	1.28E-08	5.55E-07	1.1E-06	3.95E-12	1.19E-11	9.43E-12	8.4E-15	2.03E-13	1.12E-14	2.22525E-13	1.281E-08	5.5475E-07	1.1E-06	4.04345E-12	3.3965E-14	2.01822E-12	5.65101E-15
755	570879.2	4178406	9.17, 41784	9.26791	12.09581	2.86973	654.37651	281.54322	1652.24347	174.87233	99.71055	250.6883	1.01E-08	4.39E-07	1.72E-07	3.12E-12	9.43E-12	7.45E-12	6.64E-15	1.6E-13	8.85E-15	1.75885E-13	1.013E-08	4.3949E-07	1.72E-07	3.19597E-12	2.68462E-14	1.59521E-12	4.46659E-15
756	570879.2	4178446	9.17, 41784	110.98197	13.33715	11.62742	3333.88644	260.53475	3586.87714	1717.50318	91.01179	770.8732	2.05E-08	8.53E-07	1.51E-06	6.34E-12	1.91E-11	1.51E-11	1.35E-14	3.25E-13	1.8E-14	3.56766E-13	2.054E-08	8.53E-07	1.51E-06	6.48273E-12	5.44549E-14	3.23574E-12	9.06007E-15
757	570879.2	4178486	9.17, 41784	18.42358	13.79846	20.70311	473.0449	246.35325	4578.74855	141.68031	100.88031	655.29094	1.4E-08	7.06E-07	1.87E-07	4.33E-12	1.31E-11	1.03E-11	9.21E-15	2.22E-13	1.23E-14	2.43987E-13	1.405E-08	7.0591E-07	1.87E-07	4.43344E-12	3.72409E-14	2.21287E-12	6.19604E-15
758	570879.2	4178526	9.17, 41785	94.91809	17.71904	9.02777	3340.71117	271.69492	2014.80922	1490.9797	113.49448	441.47053	2.22E-08	6.96E-07	1.29E-06	6.85E-12	2.07E-11	1.63E-11	1.46E-14	3.51E-13	1.94E-14	3.85428E-13	2.219E-08	6.9647E-07	1.29E-06	7.00354E-12	5.88297E-14	3.49569E-12	9.78793E-15
759	570879.2	4178566	9.17, 41785	6.34056	7.84517	3.48916	517.57011	248.69096	1100.96831	138.67192	92.32789	171.27972	6.77E-09	3.45E-07	1.33E-07	2.09E-12	6.3E-12	4.98E-12	4.44E-15	1.07E-13	5.92E-15	1.17534E-13	6.767E-09	3.4539E-07	1.33E-07	2.13569E-12	1.79398E-14	1.06599E-12	2.98478E-15
760	570919.2	4178366	9.17, 41783	2.36921	8.89638	1.45024	279.82249	231.14799	970.86833	50.20448	85.64726	145.20587	7E-09	2.99E-07	5.7E-08	2.16E-12	6.53E-12	5.15E-12	4.59E-15	1.11E-13	6.12E-15	1.21651E-13	7.004E-09	2.9856E-07	5.7E-08	2.2105E-12	1.85682E-14	1.10333E-12	3.08932E-15
761	570919.2	4178406	9.17, 41784	7.16288	18.51893	2.95623	387.12304	281.06153	1814.51514	102.95605	123.97591	301.78328	1.48E-08	4.34E-07	1.17E-07	4.55E-12	1.38E-11	1.09E-11	9.68E-15	2.34E-13	1.29E-14	2.5638E-13	1.476E-08	4.3371E-07	1.17E-07	4.65863E-12	3.91325E-14	2.32527E-12	6.51076E-15
762	570919.2	4178446	9.17, 41784	30.90779	15.96768	15.85005	761.46723	266.85593	6280.62092	290.35951	97.37786	1155.63511	1.62E-08	9.25E-07	3.63E-07	5E-12	1.51E-11	1.19E-11	1.06E-14	2.57E-13	1.42E-14	2.81544E-13	1.621E-08	9.2464E-07	3.63E-07	5.11588E-12	4.29734E-14	2.5535E-12	7.14979E-15
763	570919.2	4178486	9.17, 41784	29.57453	18.16179	468.02027	992.62163	281.14129	31654.24271	425.98322	121.6397	9353.86757	6.53E-08	3.63E-06	1.34E-06	2.02E-11	6.09E-11	4.81E-11	4.28E-14	1.03E-12	5.71E-14	1.13468E-12	6.533E-08	3.6252E-06	1.34E-06	2.0618E-11	1.73191E-13	1.02911E-11	2.88151E-14
764	570919.2	4178526	9.17, 41785	19.47257	21.77306	15.13476	427.44744	357.8357	3633.422	126.47105	151.21701	760.0028	1.95E-08	6.86E-07	1.85E-07	6.02E-12	1.82E-11	1.44E-11	1.28E-14	3.09E-13	1.71E-14	3.38906E-13	1.951E-08	6.8594E-07	1.85E-07	6.15819E-12	5.17288E-14	3.07375E-12	8.6065E-15
765	570919.2	4178566	9.17, 41785	68.70701	17.81326	4.44491	3547.24462	326.79695	1605.72558	1121.59815	123.62419	257.53275	1.96E-08	7.12E-07	9.6E-07	6.04E-12	1.82E-11	1.44E-11	1.28E-14	3.1E-13	1.71E-14	3.39942E-13	1.957E-08	7.12E-07	9.6E-07	6.17702E-12	5.18869E-14	3.08315E-12	8.63281E-15
766	570959.2	4178326	9.17, 41783	2.08146	12.83514	1.34475	279.67021	252.56813	633.18912	42.32993	97.81035	79.64117	9.91E-09	2.79E-07	4.36E-08	3.06E-12	9.24E-12	7.3E-12	6.5E-15	1.57E-13	8.67E-15	1.72189E-13	9.913E-09	2.7903E-07	4.36E-08	3.12881E-12	2.6282E-14	1.56169E-12	4.37273E-15
767	570959.2	4178366	9.17, 41783	2.97969	11.80225	1.85212	241.09871	252.07126	954.07883	42.48046	78.75938	136.29698	9.27E-09	3.09E-07	4.97E-08	2.86E-12	8.64E-12	6.82E-12	6.08E-15	1.47E-13	8.11E-15	1.61016E-13	9.27E-09	3.0918E-07	4.97E-08	2.9258E-12	2.45767E-14	1.46036E-12	4.089E-15
768	570959.2	4178406	9.17, 41784	5.48321	18.00699	4.34111	312.89849	292.26242	1429.75284	67.10795	111.57482	238.11199	1.44E-08	3.95E-07	8.09E-08	4.44E-12	1.34E-11	1.06E-11	9.43E-15	2.28E-13	1.26E-14	2.49807E-13	1.438E-08	3.9534E-07	8.09E-08	4.53919E-12	3.81292E-14	2.26566E-12	6.34384E-15
769	570959.2	4178446	9.17, 41784	13.2141	15.9724	27.93872	471.07205	258.82785	2485.7483	129.31081	100.45092	486.63208	1.6E-08	4.95E-07	1.59E-07	4.94E-12	1.49E-11	1.18E-11	1.05E-14	2.53E-13	1.4E-14	2.77828E-13	1.6E-08	4.948E-07	1.59E-07	5.04836E-12	4.24062E-14	2.5198E-12	7.05543E-15
770	570959.2	4178486	9.17, 41784	61.20406	15.71053	62.85492	1330.20017	250.50131	2800.83581	539.4281	101.77571	895.66291	2.35E-08	5.94E-07	5.43E-07	7.26E-12	2.19E-11	1.73E-11	1.54E-14	3.72E-13	2.06E-14	4.08438E-13	2.351E-08	5.9407E-07	5.43E-07	7.42165E-12	6.23418E-14	3.70438E-12	1.03723E-14
771	570959.2	4178526	9.17, 41785	233.18259	14.04006	12.98457	3491.90215	258.73899	2789.84609	1687.05022	110.68808	397.86928	3.15E-08	7.81E-07	1.45E-06	9.72E-12	2.93E-11	2.32E-11	2.07E-14	4.99E-13	2.75E-14	5.47087E-13	3.15E-08	7.8108E-07	1.45E-06	9.94101E-12	8.35045E-14	4.96188E-12	1.38933E-14
772	570999.2	4178286	9.17, 41782	4.82709	7.01905	1.81527	541.05323	230.67805	782.52024	117.6944	82.70868	130.42004	5.85E-09	3E-07	1.12E-07	1.8E-12	5.45E-12	4.3E-12	3.83E-15	9.26E-14	5.11E-15	1.01532E-13	5.845E-09	3.0038E-07	1.12E-07	1.84493E-12	1.54974E-14	9.20861E-13	2.57841E-15

773	570999.2	4178326	9.17, 41783	3.49216	17.23511	2.06149	334.8047	281.26172	702.77079	73.88295	121.01705	110.07877	1.34E-08	3.12E-07	7.3E-08	4.13E-12	1.25E-11	9.86E-12	8.79E-15	2.12E-13	1.17E-14	2.32704E-13	1.34E-08	3.1245E-07	7.3E-08	4.22841E-12	3.55187E-14	2.11054E-12	5.9095E-15
774	570999.2	4178366	9.17, 41783	3.49499	15.86199	2.88936	258.09779	262.50756	719.40934	51.99585	99.38677	89.92617	1.25E-08	2.94E-07	5.27E-08	3.84E-12	1.16E-11	9.17E-12	8.17E-15	1.97E-13	1.09E-14	2.16389E-13	1.246E-08	2.9372E-07	5.27E-08	3.93196E-12	3.30285E-14	1.96257E-12	5.49519E-15
775	570999.2	4178406	9.17, 41784	4.67229	14.08019	6.50261	269.25985	258.20089	888.73579	48.54927	90.52886	138.83889	1.16E-08	3.09E-07	5.5E-08	3.58E-12	1.08E-11	8.54E-12	7.61E-15	1.84E-13	1.01E-14	2.01576E-13	1.161E-08	3.0926E-07	5.5E-08	3.6628E-12	3.07675E-14	1.82822E-12	5.11901E-15
776	570999.2	4178446	9.17, 41784	8.21208	17.59623	13.45709	365.10896	254.50285	1091.31402	80.87758	113.65243	185.77432	1.53E-08	3.36E-07	8.68E-08	4.71E-12	1.42E-11	1.12E-11	1E-14	2.42E-13	1.33E-14	2.65128E-13	1.526E-08	3.3588E-07	8.68E-08	4.81758E-12	4.04677E-14	2.40461E-12	6.73291E-15
777	570999.2	4178486	9.17, 41784	18.06608	14.21786	20.31738	585.19163	263.25351	1140.06137	156.20535	101.07997	297.24229	1.43E-08	3.66E-07	1.61E-07	4.41E-12	1.33E-11	1.05E-11	9.37E-15	2.26E-13	1.25E-14	2.48205E-13	1.429E-08	3.6609E-07	1.61E-07	4.5101E-12	3.78848E-14	2.25113E-12	6.30317E-15
778	571039.2	4178246	9.17, 41782	16.91212	6.90765	2.82369	857.31055	271.11205	1316.76682	274.95229	93.64332	189.48612	6.89E-09	4.13E-07	2.49E-07	2.12E-12	6.42E-12	5.07E-12	4.52E-15	1.09E-13	6.02E-15	1.19603E-13	6.886E-09	4.1347E-07	2.49E-07	2.17328E-12	1.82555E-14	1.08475E-12	3.03731E-15
779	571039.2	4178286	9.17, 41782	28.85834	15.10006	3.68614	1240.055	260.3069	1323.38037	549.80999	92.85324	215.01085	1.41E-08	4.38E-07	4.8E-07	4.35E-12	1.31E-11	1.04E-11	9.25E-15	2.23E-13	1.23E-14	2.45043E-13	1.411E-08	4.3831E-07	4.8E-07	4.45262E-12	3.7402E-14	2.22245E-12	6.22285E-15
780	571039.2	4178326	9.17, 41783	6.67676	17.1171	4.10991	443.85334	276.43557	1246.54946	131.23026	111.87763	155.81868	1.38E-08	3.75E-07	1.26E-07	4.26E-12	1.29E-11	1.02E-11	9.04E-15	2.18E-13	1.21E-14	2.39573E-13	1.379E-08	3.7525E-07	1.26E-07	4.35323E-12	3.65672E-14	2.17284E-12	6.08395E-15
781	571039.2	4178366	9.17, 41783	4.40971	16.57374	4.87433	310.01939	259.88486	992.68074	73.97776	106.04392	160.75052	1.33E-08	3.25E-07	7.85E-08	4.1E-12	1.24E-11	9.77E-12	8.71E-15	2.1E-13	1.16E-14	2.30598E-13	1.328E-08	3.2489E-07	7.85E-08	4.19016E-12	3.51973E-14	2.09144E-12	5.85604E-15
782	571039.2	4178406	9.17, 41784	4.40492	15.47088	6.2465	249.62047	251.60574	625.26496	54.55389	95.67705	86.62547	1.26E-08	2.75E-07	5.45E-08	3.89E-12	1.17E-11	9.27E-12	8.26E-15	2E-13	1.1E-14	2.18777E-13	1.26E-08	2.7494E-07	5.45E-08	3.97536E-12	3.3393E-14	1.98423E-12	5.55584E-15
783	571039.2	4178446	9.17, 41784	6.02235	17.33371	7.45895	271.18693	258.43077	565.95619	53.34538	113.33058	91.15286	1.43E-08	2.76E-07	5.4E-08	4.4E-12	1.33E-11	1.05E-11	9.35E-15	2.26E-13	1.25E-14	2.47551E-13	1.425E-08	2.7562E-07	5.4E-08	4.49821E-12	3.77849E-14	2.2452E-12	6.28655E-15
784	571079.2	4178246	9.17, 41782	26.90238	12.76385	4.78342	686.22219	257.40547	1959.72628	294.80616	92.56412	417.67679	1.23E-08	4.56E-07	2.89E-07	3.8E-12	1.15E-11	9.06E-12	8.07E-15	1.95E-13	1.08E-14	2.13848E-13	1.231E-08	4.5649E-07	2.89E-07	3.8858E-12	3.26407E-14	1.93953E-12	5.43067E-15
785	571079.2	4178286	9.17, 41782	49.90964	15.92317	13.80121	957.6563	283.49226	4117.74908	414.11972	108.09945	689.22522	1.76E-08	7.26E-07	4.17E-07	5.42E-12	1.64E-11	1.29E-11	1.15E-14	2.78E-13	1.54E-14	3.05009E-13	1.756E-08	7.2597E-07	4.17E-07	5.54227E-12	4.6555E-14	2.76632E-12	7.7457E-15
786	571079.2	4178326	9.17, 41783	16.67986	14.36437	14.4793	793.60016	243.70787	3077.685	313.14105	91.11491	664.711	1.37E-08	5.73E-07	3.3E-07	4.22E-12	1.27E-11	1.01E-11	8.96E-15	2.16E-13	1.2E-14	2.37409E-13	1.367E-08	5.7295E-07	3.3E-07	4.31391E-12	3.62368E-14	2.15321E-12	6.02898E-15
787	571079.2	4178366	9.17, 41783	6.18218	17.09307	7.0902	419.38901	255.0076	1488.27193	110.95083	108.56867	287.95219	1.4E-08	3.83E-07	1.23E-07	4.33E-12	1.31E-11	1.03E-11	9.21E-15	2.22E-13	1.23E-14	2.43986E-13	1.405E-08	3.8261E-07	1.23E-07	4.43342E-12	3.72407E-14	2.21286E-12	6.19601E-15
788	571079.2	4178406	9.17, 41784	4.42977	14.91	5.35349	310.20505	209.99469	815.89349	72.09993	91.11305	117.58287	1.21E-08	2.69E-07	7.24E-08	3.73E-12	1.13E-11	8.89E-12	7.92E-15	1.91E-13	1.06E-14	2.09897E-13	1.208E-08	2.69E-07	7.24E-08	3.814E-12	3.20376E-14	1.90369E-12	5.33033E-15
789	571119.2	4178286	9.17, 41782	25.0824	15.07438	138.00946	507.91812	256.39153	16734.57469	211.8106	106.96205	4271.60103	2.79E-08	2E-06	6.26E-07	8.61E-12	2.6E-11	2.05E-11	1.83E-14	4.42E-13	2.44E-14	4.84737E-13	2.791E-08	1.9957E-06	6.26E-07	8.80806E-12	7.39877E-14	4.39639E-12	1.23099E-14
790	571119.2	4178326	9.17, 41783	197.49067	14.51391	52.98238	3348.29445	230.6601	7805.71053	1622.72219	95.52079	2122.69744	3.31E-08	1.28E-06	1.57E-06	1.02E-11	3.08E-11	2.43E-11	2.17E-14	5.24E-13	2.89E-14	5.74161E-13	3.306E-08	1.2759E-06	1.57E-06	1.0433E-11	8.7637E-14	5.20743E-12	1.45808E-14
791	571119.2	4178366	9.17, 41783	10.01384	12.46582	9.59129	630.48898	206.62645	2115.5821	198.58486	83.22549	424.70779	1.12E-08	4.3E-07	2.1E-07	3.45E-12	1.04E-11	8.22E-12	7.33E-15	1.77E-13	9.77E-15	1.94068E-13	1.117E-08	4.3023E-07	2.1E-07	3.52638E-12	2.96216E-14	1.76013E-12	4.92836E-15
792	571159.2	4178326	9.17, 41783	219.15803	19.05137	35.48029	3124.9508	277.70648	3646.5914	1560.39264	128.55095	753.34584	3.64E-08	8.55E-07	1.38E-06	1.12E-11	3.39E-11	2.68E-11	2.39E-14	5.77E-13	3.19E-14	6.32781E-13	3.643E-08	8.5453E-07	1.38E-06	1.14981E-11	9.65844E-14	5.73909E-12	1.60694E-14
793	570808.8	4178465	8.82, 41784	10.95844	3.34212	2.15804	1253.90468	193.66587	956.23037	302.59047	56.7134	159.37173	3.65E-09	3.51E-07	2.68E-07	1.13E-12	3.4E-12	2.69E-12	2.39E-15	5.78E-14	3.19E-15	6.33743E-14	3.649E-09	3.5101E-07	2.68E-07	1.15156E-12	9.67313E-15	5.74782E-13	1.60939E-15
794	570823.9	4178530	3.91, 41785	3.05561	3.25593	2.40542	358.64643	197.99385	1108.94733	70.39413	63.38636	140.39269	2.94E-09	2.95E-07	7.33E-08	9.09E-13	2.74E-12	2.17E-12	1.93E-15	4.66E-14	2.57E-15	5.11498E-14	2.945E-09	2.9494E-07	7.33E-08	9.29434E-13	7.80724E-15	4.6391E-13	1.29895E-15
795	570883.3	4178602	3.31, 41786	3.07425	4.49746	2.05933	479.66242	287.53386	914.81532	94.76169	103.00469	119.05382	3.84E-09	3.52E-07	9.14E-08	1.18E-12	3.58E-12	2.82E-12	2.52E-15	6.08E-14	3.36E-15	6.66678E-14	3.838E-09	3.5165E-07	9.14E-08	1.21141E-12	1.01758E-14	6.04653E-13	1.69303E-15
796	571181.5	4178310	1.45, 41783	77.30582	13.12592	35.80897	2585.53888	242.23364	1672.90767	872.95261	114.20023	513.62427	2.01E-08	5.75E-07	7.8E-07	6.2E-12	1.87E-11	1.48E-11	1.32E-14	3.18E-13	1.76E-14	3.48979E-13	2.009E-08	5.7487E-07	7.8E-07	6.34123E-12	5.32663E-14	3.16511E-12	8.86231E-15
797	571067.8	4178207	7.83, 41782	5.36607	4.9243	1.64986	895.65181	299.02694	904.65641	223.56067	96.05921	144.20823	4.31E-09	3.94E-07	2.01E-07	1.33E-12	4.01E-12	3.17E-12	2.82E-15	6.82E-14	3.77E-15	7.48142E-14	4.307E-09	3.942E-07	2.01E-07	1.35943E-12	1.14193E-14	6.78537E-13	1.8999E-15
798	570799.9	4178447	9.89, 41784	4.88888	2.78293	1.75814	732.83791	152.28075	768.58836	142.77112	52.0733	124.31973	2.68E-09	2.56E-07	1.32E-07	8.26E-13	2.49E-12	1.97E-12	1.76E-15	4.24E-14	2.34E-15	4.65049E-14	2.677E-09	2.5645E-07	1.32E-07	8.45031E-13	7.09826E-15	4.21782E-13	1.18099E-15

	Trenching	Grading	Stockpile
Emissions Rate (g/s):	5.07E-11	4.51E-10	6.34E-11

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	0.39	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	0.39	10	2	70	0.85
2<9	861	1	0.854795	0.000001	0.39	3	0.55	70	0.72
Student	640	1	0.493151	0.000001	0.39	3	2.8	70	1
Worker	230	1	0.684932	0.000001	0.39	1	2.8	70	1

Benzo(a)anthracene

	Chronic (Annu	Acute (1hr)	8hr
REL:	1	1	1

				Concentration [µg/m^3] at 1 g/s									Concentration (µg/m^3) Unmitigated			Unmitigated Residential Dose			Risk by Age Group				Unmitigated			Student Unmitigated		Worker Unmitigated	
#	X	Y	X,Y	Trenching Period	Grading Period	Stockpile Period	Treching 1hr	Grading 1hr	Stockpile 1hr	Trenching 8hr	Grading 8hr	Stockpile 8hr	Period Total	1hr Total	8hr Total	3rd	0<2	2<9	3rd	0<2	2<9	Total Risk	Chronic	Acute	8hr	Dose	Risk	Dose	Risk
1	570310.6	4177919	0.55, 41779	0.08215	0.06425	0.08047	53.98877	25.74637	57.86027	6.7486	3.78109	7.23253	3.82E-11	1.8E-08	3.84E-09	1.18E-14	3.56E-14	2.81E-14	1.4E-16	3.37E-15	1.86E-16	3.69894E-15	3.822E-11	1.8011E-08	3.84205E-09	1.20638E-14	5.64587E-16	6.02144E-15	9.39344E-17
2	570350.6	4177919	0.55, 41779	0.08744	0.06946	0.0859	61.34869	26.43683	62.74615	7.66859	3.66465	7.84327	4.12E-11	1.9E-08	4.34E-09	1.27E-14	3.84E-14	3.03E-14	1.5E-16	3.63E-15	2.01E-16	3.98542E-15	4.118E-11	1.9005E-08	4.34201E-09	1.29982E-14	6.08314E-16	6.4878E-15	1.0121E-16
3	570390.6	4177919	0.55, 41779	0.09273	0.07514	0.09126	67.57642	27.23616	68.95787	8.44705	3.80844	8.61973	4.44E-11	2.01E-08	4.78E-09	1.37E-14	4.13E-14	3.26E-14	1.62E-16	3.91E-15	2.16E-16	4.29198E-15	4.435E-11	2.0075E-08	4.78153E-09	1.3998E-14	6.55105E-16	6.98683E-15	1.08995E-16
4	570430.6	4177919	0.55, 41779	0.09799	0.08123	0.09661	71.34976	28.07066	72.35504	8.91872	4.01428	9.04438	4.77E-11	2.09E-08	5.04E-09	1.47E-14	4.44E-14	3.51E-14	1.74E-16	4.21E-15	2.32E-16	4.6162E-15	4.77E-11	2.0858E-08	5.04493E-09	1.50554E-14	7.04593E-16	7.51463E-15	1.17228E-16
5	570470.6	4177919	0.55, 41779	0.10292	0.08757	0.10182	71.34124	28.88227	71.18869	8.91766	4.18506	8.89859	5.11E-11	2.11E-08	5.04E-09	1.58E-14	4.76E-14	3.76E-14	1.87E-16	4.51E-15	2.49E-16	4.94884E-15	5.114E-11	2.1149E-08	5.03515E-09	1.61403E-14	7.55365E-16	8.05613E-15	1.25676E-16
6	570510.6	4177919	0.55, 41779	0.10719	0.09397	0.10631	70.57748	29.51269	72.86498	8.82218	4.31581	9.10812	5.45E-11	2.15E-08	5E-09	1.68E-14	5.08E-14	4.01E-14	1.99E-16	4.81E-15	2.66E-16	5.27644E-15	5.452E-11	2.1501E-08	5.00057E-09	1.72087E-14	8.05369E-16	8.58943E-15	1.33995E-16
7	570550.6	4177919	0.55, 41779	0.11095	0.10041	0.10942	80.02506	30.00614	83.29269	10.00313	4.88273	10.41159	5.78E-11	2.29E-08	5.68E-09	1.78E-14	5.39E-14	4.25E-14	2.11E-16	5.1E-15	2.82E-16	5.59481E-15	5.781E-11	2.2864E-08	5.6753E-09	1.82471E-14	8.53963E-16	9.10769E-15	1.4208E-16
8	570590.6	4177919	0.55, 41779	0.11537	0.10684	0.11183	81.14556	31.22548	84.40479	10.14319	5.49199	10.5506	6.11E-11	2.35E-08	5.75E-09	1.89E-14	5.69E-14	4.5E-14	2.23E-16	5.39E-15	2.98E-16	5.91169E-15	6.109E-11	2.3541E-08	5.75433E-09	1.92805E-14	9.02329E-16	9.62353E-15	1.50127E-16
9	570630.6	4177919	0.55, 41779	0.12154	0.11343	0.11602	82.02682	32.76834	84.97635	10.54682	6.07261	10.62204	6.46E-11	2.43E-08	5.96E-09	1.99E-14	6.02E-14	4.76E-14	2.36E-16	5.7E-15	3.15E-16	6.25506E-15	6.464E-11	2.4317E-08	5.96122E-09	2.04004E-14	9.5474E-16	1.01825E-14	1.58847E-16
10	570670.6	4177919	0.55, 41779	0.12896	0.11974	0.12346	90.28793	34.09351	94.2666	12.11861	6.60764	13.84836	6.83E-11	2.59E-08	6.95E-09	2.11E-14	6.37E-14	5.03E-14	2.5E-16	6.03E-15	3.33E-16	6.61231E-15	6.833E-11	2.5923E-08	6.95384E-09	2.15656E-14	1.00927E-15	1.07641E-14	1.67919E-16
11	570710.6	4177919	0.55, 41779	0.13589	0.12543	0.13131	92.03158	38.34133	98.54944	11.50395	7.03486	13.72911	7.17E-11	2.82E-08	6.64E-09	2.21E-14	6.68E-14	5.28E-14	2.62E-16	6.33E-15	3.49E-16	6.94263E-15	7.174E-11	2.8197E-08	6.63813E-09	2.26429E-14	1.05969E-15	1.13018E-14	1.76308E-16
12	570750.6	4177919	0.55, 41779	0.14097	0.13029	0.13561	98.93292	42.68075	106.54938	12.36662	7.25038	14.15663	7.45E-11	3.1E-08	7.1E-09	2.3E-14	6.94E-14	5.48E-14	2.72E-16	6.57E-15	3.63E-16	7.20589E-15	7.446E-11	3.101E-08	7.09773E-09	2.35015E-14	1.09987E-15	1.17303E-14	1.82993E-16
13	570790.6	4177919	0.55, 41779	0.1434	0.13429	0.137	101.78306	44.96916	112.12821	12.72288	7.16867	14.01603	7.65E-11	3.25E-08	7.27E-09	2.36E-14	7.13E-14	5.63E-14	2.79E-16	6.75E-15	3.73E-16	7.40078E-15	7.648E-11	3.2539E-08	7.26742E-09	2.41371E-14	1.12962E-15	1.20476E-14	1.87943E-16
14	570830.6	4177919	0.55, 41779	0.14249	0.1373	0.1371	103.05806	46.92439	113.14313	12.88226	6.63254	14.14289	7.78E-11	3.35E-08	7.36E-09	2.4E-14	7.25E-14	5.73E-14	2.84E-16	6.87E-15	3.79E-16	7.52817E-15	7.779E-11	3.3549E-08	7.35537E-09	2.45526E-14	1.14906E-15	1.2255E-14	1.91178E-16
15	570870.6	4177919	0.55, 41779	0.13915	0.13926	0.13269	113.81753	49.41272	127.10432	14.22719	6.17659	15.88804	7.82E-11	3.61E-08	8.14E-09	2.41E-14	7.29E-14	5.76E-14	2.86E-16	6.9E-15	3.81E-16	7.57017E-15	7.823E-11	3.6102E-08	8.14032E-09	2.46896E-14	1.15547E-15	1.23233E-14	1.92244E-16
16	570910.6	4177919	0.55, 41779	0.13537	0.14116	0.12571	103.09741	52.00284	118.27061	16.13684	6.50036	14.78383	7.84E-11	3.62E-08	9.03E-09	2.42E-14	7.31E-14	5.77E-14	2.87E-16	6.92E-15	3.82E-16	7.59162E-15	7.845E-11	3.6165E-08	9.02766E-09	2.47595E-14	1.15874E-15	1.23583E-14	1.92789E-16
17	570950.6	4177919	0.55, 41779	0.13129	0.14261	0.12523	128.63222	54.75687	154.09416	19.7206	7.6051	23.34348	7.89E-11	4.1E-08	1.14E-08	2.43E-14	7.35E-14	5.8E-14	2.88E-16	6.96E-15	3.84E-16	7.63186E-15	7.886E-11	4.0974E-08	1.13672E-08	2.48908E-14	1.16489E-15	1.24238E-14	1.93811E-16
18	570990.6	4177919	0.55, 41779	0.12715	0.1442	0.12572	126.51514	58.01026	163.29109	18.07359	9.36612	23.3273	7.94E-11	4.29E-08	1.05E-08	2.45E-14	7.4E-14	5.84E-14	2.9E-16	7.01E-15	3.87E-16	7.68387E-15	7.94E-11	4.2916E-08	1.05405E-08	2.50604E-14	1.17283E-15	1.25084E-14	1.95132E-16
19	571030.6	4177919	0.55, 41779	0.12254	0.14609	0.11762	125.39004	62.99788	174.41478	17.19472	10.49965	21.80185	7.95E-11	4.58E-08	1E-08	2.45E-14	7.41E-14	5.85E-14	2.9E-16	7.02E-15	3.87E-16	7.69393E-15	7.951E-11	4.5812E-08	1.00031E-08	2.50932E-14	1.17436E-15	1.25248E-14	1.95387E-16
20	571070.6	4177919	0.55, 41779	0.1201	0.14847	0.1104	126.80092	67.58831	177.9713	16.22667	10.87469	22.24641	8E-11	4.82E-08	9.55E-09	2.47E-14	7.45E-14	5.89E-14	2.92E-16	7.06E-15	3.9E-16	7.74141E-15	8E-11	4.8177E-08	9.54602E-09	2.52481E-14	1.18161E-15	1.26021E-14	1.96593E-16
21	571110.6	4177919	0.55, 41779	0.1205	0.15044	0.10927	126.62476	68.47754	165.66905	20.2586	9.61445	20.70863	8.08E-11	4.78E-08	1.15E-08	2.49E-14	7.53E-14	5.95E-14	2.95E-16	7.13E-15	3.94E-16	7.82234E-15	8.083E-11	4.7789E-08	1.14698E-08	2.5512E-14	1.19396E-15	1.27339E-14	1.98648E-16
22	571150.6	4177919	0.55, 41779	0.1212	0.15159	0.11602	131.66409	62.22893	172.39569	21.10658	9.19459	24.99313	8.18E-11	4.57E-08	1.22E-08	2.52E-14	7.62E-14	6.02E-14	2.99E-16	7.22E-15	3.99E-16	7.91736E-15	8.181E-11	4.5655E-08	1.21667E-08	2.58219E-14	1.20846E-15	1.28885E-14	2.01061E-16
23	571190.6	4177919	0.55, 41779	0.12215	0.15198	0.11825	137.85581	66.48698	180.99172	19.69369	10.25241	26.94632	8.22E-11	4.84E-08	1.16E-08	2.54E-14	7.66E-14	6.05E-14	3E-16	7.25E-15	4E-16	7.95272E-15	8.218E-11	4.8433E-08	1.15823E-08	2.59372E-14	1.21386E-15	1.29461E-14	2.01959E-16
24	571230.6	4177919	0.55, 41779	0.12354	0.15154	0.11348	148.65332	75.08948	179.38421	21.23619	9.50538	22.42303	8.17E-11	5.28E-08	1.21E-08	2.52E-14	7.62E-14	6.02E-14	2.99E-16	7.21E-15	3.98E-16	7.91108E-15	8.175E-11	5.2756E-08	1.20687E-08	2.58014E-14	1.20751E-15	1.28783E-14	2.00902E-16
25	571270.6	4177919	0.55, 41779	0.12544	0.15047	0.11372	135.01221	73.55453	181.97135	18.66937	9.80753	25.99591	8.14E-11	5.15E-08	1.1E-08	2.51E-14	7.58E-14	5.99E-14	2.97E-16	7.18E-15	3.96E-16	7.87522E-15	8.138E-11	5.1536E-08	1.10085E-08	2.56845E-14	1.20203E-15	1.28199E-14	1.99991E-16
26	571310.6	4177919	0.55, 41779	0.12844	0.14895	0.1185	144.25948	74.57026	160.72945	18.03243	9.63087	20.79832	8.11E-11	5.11E-08	1.04E-08	2.5E-14	7.56E-14	5.97E-14	2.96E-16	7.16E-15	3.95E-16	7.85302E-15	8.115E-11	5.1115E-08	1.03595E-08	2.5612E-14	1.19864E-15	1.27838E-14	1.99427E-16
27	571350.6	4177919	0.55, 41779	0.13264	0.1484	0.12186	134.13439	65.82548	182.86761	16.7668	8.49886	22.85845	8.13E-11	4.81E-08	9.86E-09	2.51E-14	7.58E-14	5.99E-14	2.97E-16	7.18E-15	3.96E-16	7.87028E-15	8.133E-11	4.8065E-08	9.85563E-09	2.56683E-14	1.20128E-15	1.28119E-14	1.99866E-16
28	571390.6	4177919	0.55, 41779	0.13487	0.1464	0.12015	140.45529	51.40311	177.22554	17.55691	7.98518	22.15319	8.04E-11	4.15E-08	1.02E-08	2.48E-14	7.49E-14	5.92E-14	2.94E-16	7.1E-15	3.92E-16	7.78352E-15	8.043E-11	4.153E-08	1.0207E-08	2.53854E-14	1.18804E-15	1.26707E-14	1.97662E-16
29	571430.6	4177919	0.55, 41779	0.14548	0.15293	0.12366	139.19794	49.3636	190.22803	17.39974	7.65374	23.7785	8.41E-11	4.14E-08	1.02E-08	2.6E-14	7.84E-14	6.19E-14	3.07E-16	7.42E-15	4.1E-16	8.14191E-15	8.413E-11	4.1372E-08	1.02313E-08	2.65542E-14	1.24274E-15	1.32541E-14	2.06764E-16
30	571470.6	4177919	0.55, 41779	0.15916	0.16179	0.13045	134.87595	45.89373	190.37308	16.85949	6.86379	23.79664	8.93E-11	3.96E-08	9.96E-09	2.75E-14	8.32E-14	6.57E-14	3.26E-16	7.88E-15	4.35E-16	8.6371E-15	8.925E-11	3.9598E-08	9.9616E-09	2.81693E-14	1.31832E-15	1.40602E-14	2.19339E-16
31	571510.6	4177919	0.55, 41779	0.17426	0.17151	0.14116	122.2315	42.4201	161.48029	15.27894	5.85942	20.18504	9.51E-11	3.56E-08	8.94E-09	2.93E-14	8.86E-14	7E-14	3.47E-16	8.39E-15	4.63E-16	9.20083E-15	9.508E-11	3.5559E-08	8.94015E-09	3.00078E-14	1.40437E-15	1.49779E-14	2.33655E-16
32	571550.6	4177919	0.55, 41779	0.18787	0.18026	0.15558	112.99449	35.73716	155.78517	14.12431	5.76206	19.47315	1.01E-10	3.17E-08	8.32E-09	3.11E-14	9.38E-14	7.41E-14	3.68E-16	8.88E-15	4.9E-16	9.73771E-15	1.006E-10	3.1717E-08	8.31614E-09	3.17588E-14	1.48631E-15	1.58519E-14	2.47289E-16
33	571590.6	4177919	0.55, 41779	0.19949	0.18751	0.17419	94.68734	29.26563	123.69427	11.83592	5.30509	15.46178	1.06E-10	2.58E-08	6.91E-09	3.26E-14	9.84E-14	7.78E-14	3.86E-16	9.32E-15	5.15E-16	1.02251E-14	1.057E-10	2.5837E-08	6.91446E-09	3.33485E-14	1.56071E-15	1.66453E-14	2.59667E-16
34	570310.6	4177959	0.55, 41779	0.08597	0.06676	0.0838	56.89619	26.25101	62.23098	7.11202	4.18522	7.77887	3.98E-11	1.87E-08	4.06E-09	1.23E-14	3.7E-14	2.93E-14	1.45E-16	3.51E-15	1.94E-16	3.84758E-15	3.976E-11	1.8663E-08	4.0589E-09	1.25486E-14	5.87275E-16	6.26341E-15	9.77092E-17
35	570350.6	4177959	0.55, 41779	0.09204	0.07257	0.08995	58.96006	27.16756	63.77509	7.37001	4.19821	7.97189	4.31E-11	1.93E-08	4.2E-09	1.33E-14	4.01E-14	3.17E-14	1.57E-16	3.8E-15	2.1E-16	4.16848E-15	4.308E-11	1.9278E-08	4.20048E-09	1.35952E-14	6.36256E-16	6.7858E-15	1.05858E-16
36	570390.6	4177959	0.55, 41779	0.09833	0.07904	0.09639	63.0038	28.02201	66.12463	7.87548	4.15896	8.26558	4.67E-11	2E-08	4.47E-09	1.44E-14	4.35E-14	3.44E-14	1.71E-16	4.12E-15	2.28E-16	4.52102E-15	4.672E-11	2.0018E-08	4.47252E-09	1.4745E-14	6.90065E-16	7.35969E-15	1.14811E-16
37	570430.6	4177959	0.55, 41779	0.10461	0.08611	0.10266	70.72142	28.76698	72.80329	8.84018	4.23038	9.10041	5.06E-11	2.12E-08	5.01E-09	1.56E-14	4.72E-14	3.73E-14	1.85E-16	4.47E-15	2.47E-16	4.89863E-15	5.062E-11	2.1168E-08	5.0091E-09	1.59765E-14	7.47702E-16	7.9744E-15	1.24401E-16
38	570470.6	4177959	0.55, 41779	0.11098	0.09385	0.10929	78.78718	29.82596	80.74124	9.8484	4.47695	10.09265	5.49E-11	2.26E-08	5.58E-09	1.69E-14	5.11E-14	4.04E-14	2E-16	4.84E-15	2.67E-16	5.30811E-15	5.485E-11	2.2558E-08	5.5775E-09	1.7312E-14	8.10202E-16	8.64098E-15	1.34799E-16
39	570510.6	4177959	0.55, 41779	0.1169	0.10189	0.11567	83.26174	30.87615	84.48278	10.40772	4.70339	10.56035	5.92E-11	2.35E-08	5.89E-09	1.83E-14	5.51E-14	4.36E-14	2.16E-16	5.22E-15	2.88E-16	5.72692E-15	5.918E-11	2.3496E-08	5.88757E-09	1.86779E-14	8.74128E-16	9.32276E-15	1.45435E-16
40	570550.6	4177959	0.55, 41779	0.12213	0.11	0.12099	82.46075	31.83495	82.01237	10.30759	4.9071	10.25155	6.34E-11	2.37E-08	5.82E-09	1.96E-14	5.91E-14	4.67E-14	2.32E-16	5.6E-15	3.09E-16	6.1389E-15	6.344E-11	2.3731E-08	5.81778E-09	2.00216E-14	9.37009E-16	9.9934E-15	1.55897E-16
41	570590.6	4177959	0.55, 41779	0.1275	0.1185	0.12492	87.61849	32.53805	91.54904	10.95231	5.6614	11.44363	6.78E-11	2.49E-08	6.22E-09	2.09E-14	6.32E-14	4.99E-14	2.48E-16	5.98E-15	3.3E-16	6.56003E-15	6.779E-11	2.4914E-08	6.21661E-09	2.13951E-14	1.00129E-15	1.0679E-14	1.66592E-16
42	570630.6	4177959	0.55, 41779	0.13429	0.12721	0.12893	94.25098	33.95012	99.61773	11.78137	6.34882	12.45222	7.23E-11	2.64E-08	6.7E-09	2.23E-14	6.74E-14	5.32E-14	2.64E-16	6.38E-15	3.52E-16	6.99779E-15	7.231E-11	2.6399E-08	6.69622E-09	2.28228E-14	1.06811E-15	1.13916E-14	1.77709E-16
43	570670.6	4177959	0.55, 41779	0.1434	0.13582	0.13624	91.47953	35.4429	96.20253	12.89467	6.97952	13.63762	7.71E-11	2.67E-08	7.33E-09	2.38E-14	7.19E-14	5.68E-14	2.82E-16	6.81E-15	3.76E-16	7.46283E-15	7.712E-11	2.6714E-08	7.32954E-09	2.43395E-14	1.13909E-15	1.21486E-14	1.89518E-16
44	570710.6	4177959	0.55, 41779	0.15342	0.14402	0.1467	103.54122	38.62398	108.53691	12.94265	7.57754	15.98544	8.2E-11	2.95E-08	7.5E-09	2.53E-14	7.64E-14	6.03E-14	3E-16	7.23E-15	3.99E-16	7.93379E-15	8.198E-11	2.9542E-08	7.50251E-09	2.58755E-14	1.21097E-15	1.29153E-14	2.01478E-16
45	570750.6	4177959	0.55, 41779	0.16261	0.1515	0.15549	105.52732	44.38977	114.23814	13.19092	8.09206	15.7724	8.64E-11	3.26E-08	7.61E-09	2.67E-14	8.05E-14	6.36E-14	3.16E-16	7.62E-15	4.21E-16	8.35904E-15	8.638E-11	3.2602E-08	7.61347E-09	2.72624E-14	1.27588E-15	1.36075E-14	2.12278E-16
46	570790.6	4177959	0.55, 41779	0.16989	0.15823	0.16076	113.60479	47.24143	124.57926	14.2006	8.3928	15.57241	9.01E-11	3.5E-08	8.11E-09	2.78E-14	8.4E-14	6.63E-14	3.29E-16	7.95E-15	4.39E-16	8.7206E-15	9.011E-11	3.4953E-08	8.10697E-09	2.84416E-14	1.33107E-15	1.41961E-14	2.21459E-16
47	570830.6	4177959	0.55, 41779	0.1738	0.16401	0.16481	115.20896	49.45722	130.36471	14.40112	8.28774	16.29559	9.32E-11	3.64E-08	8.25E-09	2.88E-14	8.68E-14	6.86E-14	3.4E-16	8.22E-15	4.54E-16	9.01669E-15	9.317E-11	3.64E-08	8.25337E-09	2.94073E-14	1.37626E-15	1.46781E-14	2.28979E-16
48	570870.6	4177959	0.55, 41779	0.17339	0.16851	0.16469	122.33209	52.01335	138.82114	15.29151	7.46689	17.35264	9.52E-11	3.84E-08	8.77E-09	2.94E-14	8.87E-14	7E-14	3.48E-16	8.4E-15	4.64E-16	9.21017E-15	9.517E-11	3.8449E-08	8.7668E-09	3.00383E-14	1.40579E-15	1.49931E-14	2.33892E-16
49	570910.6	4177959	0.55, 41779	0.16973	0.17204	0.1579	128.70888	55.67631	149.19916	16.08861	6.95954	18.64989	9.61E-11	4.11E-08	9.25E-09	2.97E-14	8.96E-14	7.08E-14	3.51E-16	8.48E-15	4.68E-16	9.30444E-15	9.615E-11	4.1082E-08	9.24869E-09	3.03458E-14	1.42018E-15	1.51465E-14	2.36286E-16
50	570950.6	4177959	0.55, 41779	0.16375	0.1746	0.15354	137.78687	58.35606	146.62449	21.41966	8.40086	22.62642	9.67E-11	4.26E-08	1.22E-08	2.98E-14	9.01E-14	7.12E-14	3.53E-16	8.54E-15	4.71E-16	9.35995E-15	9.672E-11	4.2586E-08	1.21736E-08	3.05268E-14	1.42865E-15	1.52369E-14	2.37696E-16
51	570990.6	4177959	0.55, 41779	0.1571	0.17611	0.15296	148.41379	62.43724	189.01685	21.20197	10.20575	28.13097	9.7E-11	4.77E-08	1.24E-08	2.99E-14	9.04E-14	7.14E-14	3.54E-16	8.56E-15	4.73E-16	9.38958E-15	9.703E-11	4.7653E-08	1.24136E-08	3.06234E-14	1.43318E-15	1.52851E-14	2.38448E-16
52	571030.6	4177959	0.55, 41779	0.15135	0.1787	0.14372	141.29712	68.4386	198.29024	19.05284	11.40643	25.9054	9.73E-11	5.06E-08	1.12E-08	3E-14	9.07E-14	7.16E-14	3.56E-16	8.59E-15	4.74E-16	9.41756E-15	9.732E-11	5.0585E-08	1.1195E-08	3.07147E-14	1.43745E-15	1.53307E-14	2.39159E-16
53	571070.6	4177959	0.55, 41779	0.14838	0.1815	0.13361	143.49488	74.36914	202.29359	18.79197	11.80682	25.2867	9.78E-11	5.36E-08	1.1E-08	3.02E-14	9.11E-14	7.2E-14	3.57E-16	8.63E-15	4.76E-16	9.46302E-15	9.779E-11	5.3622E-08	1.10249E-08	3.0863E-14	1.44439E-15	1.54047E-14	2.40313E-16
54	571110.6	4177959	0.55, 41779	0.14858	0.18375	0.13332	140.62761	73.34522	192.64407	22.74237	10.22286	24.08051	9.88E-11	5.24E-08	1.29E-08	3.05E-14	9.2E-14	7.27E-14	3.61E-16	8.72E-15	4.81E-16	9.56033E-15	9.879E-11	5.2403E-08	1.29289E-08	3.11803E-14	1.45924E-15	1.55631E-14	2.42784E-16
55	571150.6	4177959	0.55, 41779	0.14994	0.18566	0.14292	146.3467	67.83983	199.40983	22.92053	11.48399	30.37919	1E-10	5.06E-08	1.34E-08	3.1E-14	9.35E-14	7.38E-14	3.67E-16	8.85E-15	4.89E-16	9.70922E-15	1.003E-10	5.0642E-08	1.34177E-08	3.16659E-14	1.48197E-15	1.58055E-14	2.46565E-16
56	571190.6	4177959	0.55, 41779	0.1525	0.18616	0.14359	161.89014	78.97315	204.49698	23.12716	11.84075	29.21385	1.01E-10	5.68E-08	1.34E-08	3.11E-14	9.39E-14	7.41E-14	3.68E-16	8.89E-15	4.91E-16	9.74771E-15	1.007E-10	5.677E-08	1.34474E-08	3.17914E-14	1.48784E-15	1.58681E-14	2.47543E-16
57	571230.6	4177959	0.55, 41779	0.15542	0.18516	0.1383	156.07845	81.92899	197.17574	22.29692	11.22006	24.64697	1E-10	5.73E-08	1.27E-08	3.09E-14	9.33E-14	7.37E-14	3.66E-16	8.83E-15	4.88E-16	9.68597E-15	1.001E-10	5.7343E-08	1.27415E-08	3.15901E-14	1.47842E-15	1.57676E-14	2.45975E-16
58	571270.6	4177959	0.55, 41779	0.15909	0.18379	0.14205	158.42767	82.70179	205.30007	19.80346	11.54254	29.32858	9.99E-11	5.83E-08	1.18E-08	3.08E-14	9.31E-14	7.35E-14	3.65E-16	8.82E-15	4.87E-16	9.66727E-15	9.99E-11	5.8325E-08	1.17884E-08	3.15291E-14	1.47556E-15	1.57372E-14	2.455E-16
59	571310.6	4177959	0.55, 41779	0.1655	0.18382	0.1484	150.26158	75.50789	204.0765	18.7827	10.48328	25.50956	1.01E-10	5.46E-08	1.1E-08	3.11E-14	9.38E-14	7.41E-14	3.68E-16	8.88E-15	4.9E-16	9.73903E-15	1.006E-10	5.4592E-08	1.10344E-08	3.17631E-14	1.48651E-15	1.5854E-14	2.47322E-16
60	571350.6	4177959	0.55, 41779	0.17654	0.1881	0.15257	154.82597	60.83045	189.56737	19.35325	9.71095	23.69592	1.03E-10	4.73E-08	1.12E-08	3.19E-14	9.63E-14	7.61E-14	3.78E-16	9.12E-15	5.04E-16	1.00055E-14	1.034E-10	4.729E-08	1.12054E-08	3.26321E-14	1.52718E-15	1.62877E-14	2.54088E-16
61	571390.6	4177959	0.55, 41779	0.18842	0.1934	0.15428	152.92189	54.55359	214.59873	19.11524	9.16318	26.82484	1.06E-10	4.6E-08	1.13E-08	3.29E-14	9.92E-14	7.84E-14	3.89E-16	9.4E-15	5.19E-16	1.03054E-14	1.065E-10	4.5952E-08	1.12846E-08	3.36103E-14	1.57296E-15	1.6776E-14	2.61705E-16
62	571430.6	4177959	0.55, 41779	0.20645	0.20414	0.16292	148.33328	50.38722	217.66749	18.54166	8.09078	27.20844	1.13E-10	4.4E-08	1.1E-08	3.48E-14	1.05E-13	8.3E-14	4.12E-16	9.95E-15	5.49E-16	1.09153E-14	1.128E-10	4.4037E-08	1.10213E-08	3.55994E-14	1.66605E-15	1.77688E-14	2.77193E-16
63	571470.6	4177959	0.55, 41779	0.22554	0.21577	0.17809	134.13897	46.24246	185.84967	16.76737	6.92684	23.23121	1.2E-10	3.94E-08	9.88E-09	3.7E-14	1.12E-13	8.83E-14	4.38E-16	1.06E-14	5.84E-16	1.16093E-14	1.2E-10	3.9431E-08	9.87956E-09	3.78628E-14	1.77198E-15	1.88985E-14	2.94817E-16
64	571510.6	4177959	0.55, 41779	0.24332	0.22654	0.20114	122.33786	38.55117	174.21255	15.29223	6.75463	21.77657	1.27E-10	3.46E-08	9.05E-09	3.92E-14	1.18E-13	9.36E-14	4.65E-16	1.12E-14	6.2E-16	1.23077E-14	1.272E-10	3.4628E-08	9.04775E-09	4.01406E-14	1.87858E-15	2.00355E-14	3.12553E-16
65	571550.6	4177959	0.55, 41779	0.25539	0.23344	0.22684	100.38932	31.1899	131.18831	12.54867	6.13877	16.39854	1.33E-10	2.75E-08	7.33E-09	4.09E-14	1.23E-13	9.75E-14	4.84E-16	1.17E-14	6.46E-16	1.28256E-14	1.325E-10	2.7469E-08	7.3312E-09	4.18297E-14	1.95763E-15	2.08785E-14	3.25705E-16
66	571590.6	4177959	0.55, 41779	0.26174	0.2364	0.25018	103.20811	24.1035	113.64553	12.90101	5.55119	14.20569	1.36E-10	2.33E-08	7.37E-09	4.19E-14	1.26E-13	9.98E-14	4.96E-16	1.2E-14	6.61E-16	1.31291E-14	1.357E-10	2.3306E-08	7.36875E-09	4.28195E-14	2.00395E-15	2.13726E-14	3.33413E-16
67	570310.6	4177999	0.55, 41779	0.08992	0.06909	0.08739	61.55411	26.71644	63.33313	7.69426	4.42886	7.91664	4.12E-11	1.92E-08	4.36E-09	1.27E-14	3.84E-14	3.03E-14	1.51E-16	3.64E-15	2.01E-16	3.99061E-15	4.124E-11	1.9179E-08	4.35953E-09	1.30151E-14	6.09107E-16	6.49625E-15	1.01342E-16
68	570350.6	4177999	0.55, 41779	0.09687	0.07551	0.09431	63.16088	27.72336	68.96816	7.89511	4.52605	8.62102	4.49E-11	2.01E-08	4.5E-09	1.39E-14	4.19E-14	3.31E-14	1.64E-16	3.96E-15	2.19E-16	4.34716E-15	4.492E-11	2.0071E-08	4.5049E-09	1.41779E-14	6.63528E-16	7.07667E-15	1.10396E-16
69	570390.6	4177999	0.55, 41779	0.10411	0.08268	0.10154	65.18315	28.66629	70.59128	8.14789	4.5901	8.82391	4.9E-11	2.07E-08	4.64E-09	1.51E-14	4.56E-14	3.6E-14	1.79E-16	4.32E-15	2.39E-16	4.73974E-15	4.898E-11	2.0702E-08	4.6445E-09	1.54583E-14	7.23449E-16	7.71574E-15	1.20365E-16
70	570430.6	4177999	0.55, 41779	0.11178	0.0909	0.10932	69.77828	29.77159	73.90272	8.72229	4.64595	9.23784	5.36E-11	2.16E-08	4.96E-09	1.65E-14	4.99E-14	3.94E-14	1.96E-16	4.73E-15	2.61E-16	5.18359E-15	5.356E-11	2.1643E-08	4.95872E-09	1.69059E-14	7.91196E-16	8.43827E-15	1.31637E-16
71	570470.6	4177999	0.55, 41779	0.11947	0.09994	0.11702	73.23749	30.82615	79.61188	9.15469	4.70414	9.95148	5.85E-11	2.27E-08	5.22E-09	1.81E-14	5.45E-14	4.31E-14	2.14E-16	5.16E-15	2.85E-16	5.6628E-15	5.852E-11	2.2656E-08	5.22076E-09	1.84688E-14	8.6434E-16	9.21837E-15	1.43807E-16
72	570510.6	4177999	0.55, 41779	0.12689	0.1096	0.1248	83.36058	31.87471	86.19643	10.42007	5.00665	10.77455	6.37E-11	2.41E-08	5.91E-09	1.97E-14	5.94E-14	4.69E-14	2.33E-16	5.62E-15	3.1E-16	6.16821E-15	6.374E-11	2.406E-08	5.90734E-09	2.01172E-14	9.41484E-16	1.00411E-14	1.56642E-16
73	570550.6	4177999	0.55, 41779	0.1338	0.11968	0.13227	93.92369	33.13511	96.59692	11.74046	5.30601	12.07462	6.91E-11	2.58E-08	6.65E-09	2.13E-14	6.44E-14	5.09E-14	2.52E-16	6.1E-15	3.37E-16	6.68753E-15	6.911E-11	2.5823E-08	6.65176E-09	2.18109E-14	1.02075E-15	1.08865E-14	1.6983E-16
74	570590.6	4177999	0.55, 41779	0.14077	0.13095	0.13895	98.98148	34.43475	100.81152	12.37268	5.77536	12.60144	7.5E-11	2.69E-08	7E-09	2.31E-14	6.98E-14	5.52E-14	2.74E-16	6.62E-15	3.65E-16	7.25419E-15	7.496E-11	2.6933E-08	7.00213E-09	2.3659E-14	1.10724E-15	1.1809E-14	1.8422E-16
75	570630.6	4177999	0.55, 41779	0.14863	0.14246	0.14416	96.29887	35.58815	97.29546	12.03736	6.62596	12.16193	8.09E-11	2.71E-08	6.81E-09	2.5E-14	7.54E-14	5.95E-14	2.95E-16	7.14E-15	3.94E-16	7.82666E-15	8.088E-11	2.7093E-08	6.80615E-09	2.55261E-14	1.19462E-15	1.27409E-14	1.98758E-16
76	570670.6	4177999	0.55, 41779	0.15906	0.15417	0.15133	108.0953	37.02771	115.61321	13.51191	7.37805	14.45165	8.71E-11	2.95E-08	7.69E-09	2.69E-14	8.12E-14	6.41E-14	3.18E-16	7.69E-15	4.24E-16	8.4325E-15	8.714E-11	2.9502E-08	7.69062E-09	2.7502E-14	1.28709E-15	1.37271E-14	2.14143E-16
77	570710.6	4177999	0.55, 41779	0.17207	0.16581	0.16328	109.21603	39.28347	116.55796	14.39109	8.06843	17.60456	9.38E-11	3.06E-08	8.33E-09	2.89E-14	8.74E-14	6.9E-14	3.43E-16	8.28E-15	4.57E-16	9.0773E-15	9.38E-11	3.0636E-08	8.33136E-09	2.96049E-14	1.38551E-15	1.47768E-14	2.30518E-16
78	570750.6	4177999	0.55, 41779	0.18601	0.17706	0.17647	119.66853	46.10023	126.10142	14.95857	8.7788	16.77146	1E-10	3.48E-08	8.56E-09	3.1E-14	9.36E-14	7.39E-14	3.67E-16	8.86E-15	4.89E-16	9.71726E-15	1.004E-10	3.4843E-08	8.56302E-09	3.16922E-14	1.48319E-15	1.58186E-14	2.4677E-16
79	570790.6	4177999	0.55, 41779	0.19953	0.18772	0.18696	122.67556	49.8289	134.57394	15.33445	9.45426	16.82174	1.07E-10	3.72E-08	8.75E-09	3.29E-14	9.93E-14	7.84E-14	3.89E-16	9.4E-15	5.19E-16	1.03129E-14	1.066E-10	3.7213E-08	8.75465E-09	3.36347E-14	1.5741E-15	1.67881E-14	2.61895E-16
80	570830.6	4177999	0.55, 41779	0.21109	0.19773	0.1968	133.54261	52.4094	148.58094	16.69283	9.90962	18.57262	1.12E-10	3.98E-08	9.55E-09	3.47E-14	1.05E-13	8.26E-14	4.1E-16	9.91E-15	5.47E-16	1.08665E-14	1.123E-10	3.9816E-08	9.54671E-09	3.54404E-14	1.65861E-15	1.76894E-14	2.75955E-16
81	570870.6	4177999	0.55, 41779	0.21804	0.20674	0.20398	131.45449	55.15858	156.57352	16.43181	9.77159	19.57169	1.17E-10	4.15E-08	9.48E-09	3.62E-14	1.09E-13	8.62E-14	4.28E-16	1.03E-14	5.71E-16	1.13376E-14	1.172E-10	4.1455E-08	9.47922E-09	3.69768E-14	1.73051E-15	1.84563E-14	2.87918E-16
82	570910.6	4177999	0.55, 41779	0.21803	0.21414	0.20286	148.11273	59.13207	173.84644	18.51409	8.43226	21.73081	1.2E-10	4.52E-08	1.07E-08	3.72E-14	1.12E-13	8.86E-14	4.4E-16	1.06E-14	5.87E-16	1.16534E-14	1.204E-10	4.5187E-08	1.06601E-08	3.80066E-14	1.77871E-15	1.89703E-14	2.95937E-16
83	570950.6	4177999	0.55, 41779	0.2114	0.21889	0.19586	140.12444	63.58464	170.21851	21.83562	9.32684	21.27731	1.22E-10	4.66E-08	1.23E-08	3.76E-14	1.13E-13	8.96E-14	4.45E-16	1.07E-14	5.93E-16	1.1785E-14	1.218E-10	4.6557E-08	1.22965E-08	3.84358E-14	1.79879E-15	1.91845E-14	2.99279E-16
84	570990.6	4177999	0.55, 41779	0.2013	0.22185	0.19061	171.25011	67.61488	221.4052	25.43318	11.18299	33.45295	1.22E-10	5.32E-08	1.49E-08	3.77E-14	1.14E-13	9E-14	4.47E-16	1.08E-14	5.96E-16	1.18322E-14	1.223E-10	5.3199E-08	1.48724E-08	3.85899E-14	1.80601E-15	1.92614E-14	3.00479E-16
85	571030.6	4177999	0.55, 41779	0.19301	0.22456	0.1804	161.4506	75.02365	233.40135	21.94671	12.50394	33.34305	1.22E-10	5.68E-08	1.31E-08	3.78E-14	1.14E-13	9.01E-14	4.47E-16	1.08E-14	5.96E-16	1.1847E-14	1.224E-10	5.6801E-08	1.31175E-08	3.86381E-14	1.80826E-15	1.92855E-14	3.00854E-16
86	571070.6	4177999	0.55, 41779	0.18927	0.22808	0.16676	165.36156	82.48884	231.46597	21.97245	12.95225	28.93325	1.23E-10	6.02E-08	1.29E-08	3.79E-14	1.15E-13	9.05E-14	4.49E-16	1.09E-14	5.99E-16	1.18984E-14	1.23E-10	6.0241E-08	1.28507E-08	3.88058E-14	1.81611E-15	1.93692E-14	3.0216E-16
87	571110.6	4177999	0.55, 41779	0.18141	0.21619	0.16049	158.60632	80.72549	237.56536	25.62624	11.81551	29.69982	1.17E-10	5.95E-08	1.47E-08	3.6E-14	1.09E-13	8.6E-14	4.27E-16	1.03E-14	5.69E-16	1.13029E-14	1.168E-10	5.949E-08	1.47311E-08	3.68635E-14	1.72521E-15	1.83997E-14	2.87036E-16
88	571150.6	4177999	0.55, 41779	0.19202	0.23351	0.18032	164.05988	80.42402	231.86209	24.96785	14.13496	37.65816	1.26E-10	5.93E-08	1.49E-08	3.9E-14	1.18E-13	9.3E-14	4.62E-16	1.12E-14	6.16E-16	1.22319E-14	1.264E-10	5.9269E-08	1.49058E-08	3.98935E-14	1.86702E-15	1.99121E-14	3.10629E-16
89	571190.6	4177999	0.55, 41779	0.1978	0.23414	0.17819	182.21875	91.74664	241.78028	26.03125	13.21695	31.92825	1.27E-10	6.59E-08	1.51E-08	3.91E-14	1.18E-13	9.34E-14	4.63E-16	1.12E-14	6.18E-16	1.22747E-14	1.268E-10	6.5922E-08	1.50755E-08	4.0033E-14	1.87355E-15	1.99818E-14	3.11715E-16
90	571230.6	4177999	0.55, 41779	0.20367	0.23289	0.17473	172.67663	91.69738	231.55794	22.62496	13.85272	33.07971	1.26E-10	6.48E-08	1.34E-08	3.9E-14	1.18E-13	9.3E-14	4.62E-16	1.12E-14	6.16E-16	1.22278E-14	1.264E-10	6.4767E-08	1.34408E-08	3.988E-14	1.86638E-15	1.99054E-14	3.10524E-16
91	571270.6	4177999	0.55, 41779	0.21358	0.23476	0.18394	171.66845	86.35935	210.57834	21.45856	13.01074	28.58393	1.28E-10	6.1E-08	1.26E-08	3.96E-14	1.2E-13	9.44E-14	4.69E-16	1.13E-14	6.25E-16	1.24145E-14	1.283E-10	6.098E-08	1.25709E-08	4.0489E-14	1.89489E-15	2.02094E-14	3.15266E-16
92	571310.6	4177999	0.55, 41779	0.23025	0.24083	0.19159	171.26207	72.34733	231.62674	21.40776	11.81711	28.95334	1.32E-10	5.6E-08	1.26E-08	4.08E-14	1.23E-13	9.74E-14	4.84E-16	1.17E-14	6.45E-16	1.2808E-14	1.324E-10	5.5981E-08	1.25689E-08	4.17724E-14	1.95495E-15	2.08499E-14	3.25259E-16
93	571350.6	4177999	0.55, 41779	0.25373	0.25254	0.198	169.27826	60.68614	249.61103	21.15978	11.13084	31.20138	1.39E-10	5.18E-08	1.26E-08	4.3E-14	1.3E-13	1.02E-13	5.09E-16	1.23E-14	6.78E-16	1.34733E-14	1.392E-10	5.1766E-08	1.25871E-08	4.3942E-14	2.05649E-15	2.19329E-14	3.42153E-16
94	571390.6	4177999	0.55, 41779	0.27999	0.26698	0.21185	164.13881	55.69534	253.30621	20.51735	9.69774	31.66328	1.48E-10	4.95E-08	1.23E-08	4.57E-14	1.38E-13	1.09E-13	5.4E-16	1.31E-14	7.21E-16	1.43169E-14	1.479E-10	4.9491E-08	1.22944E-08	4.66934E-14	2.18525E-15	2.33062E-14	3.63577E-16
95	571430.6	4177999	0.55, 41779	0.30187	0.27888	0.2328	148.06777	50.74185	217.39094	18.50847	8.30154	27.17387	1.56E-10	4.42E-08	1.1E-08	4.81E-14	1.45E-13	1.15E-13	5.69E-16	1.37E-14	7.59E-16	1.50718E-14	1.557E-10	4.4166E-08	1.10025E-08	4.91556E-14	2.30048E-15	2.45351E-14	3.82748E-16
96	571470.6	4177999	0.55, 41779	0.32222	0.29016	0.268	133.22849	41.8567	195.88733	16.65356	8.00082	24.48592	1.64E-10	3.8E-08	9.9E-09	5.06E-14	1.53E-13	1.21E-13	5.99E-16	1.45E-14	7.99E-16	1.58796E-14	1.641E-10	3.8045E-08	9.90208E-09	5.17903E-14	2.42379E-15	2.58502E-14	4.03263E-16
97	571510.6	4177999	0.55, 41779	0.33311	0.29527	0.30394	113.25391	33.39085	138.27651	14.15674	7.16119	17.28456	1.69E-10	2.96E-08	8.19E-09	5.22E-14	1.58E-13	1.25E-13	6.18E-16	1.49E-14	8.24E-16	1.63765E-14	1.692E-10	2.9563E-08	8.19358E-09	5.34109E-14	2.49963E-15	2.66591E-14	4.15882E-16
98	571550.6	4177999	0.55, 41779	0.33431	0.29408	0.33024	118.79132	25.19774	142.42424	14.84891	6.75336	17.80303	1.7E-10	2.64E-08	8.57E-09	5.26E-14	1.59E-13	1.25E-13	6.23E-16	1.5E-14	8.3E-16	1.6492E-14	1.704E-10	2.6415E-08	8.57347E-09	5.37874E-14	2.51725E-15	2.6847E-14	4.18813E-16
99	571590.6	4177999	0.55, 41779	0.32897	0.28857	0.34209	117.12124	19.87515	150.29933	14.64016	6.7762	18.78742	1.68E-10	2.44E-08	8.53E-09	5.2E-14	1.57E-13	1.24E-13	6.15E-16	1.49E-14	8.2E-16	1.62982E-14	1.684E-10	2.4432E-08	8.53126E-09	5.31555E-14	2.48768E-15	2.65316E-14	4.13893E-16
100	570310.6	4178039	0.55, 41780	0.09395	0.07118	0.09114	60.38117	27.45867	68.75884	7.54765	4.57644	8.59485	4.26E-11	1.98E-08	4.33E-09	1.32E-14	3.97E-14	3.14E-14	1.56E-16	3.76E-15	2.08E-16	4.12455E-15	4.262E-11	1.9798E-08	4.32905E-09	1.34519E-14	6.29551E-16	6.71429E-15	1.04743E-16
101	570350.6	4178039	0.55, 41780	0.10181	0.07823	0.09867	67.40685	28.30867	69.9761	8.42586	4.71811	8.74701	4.67E-11	2.06E-08	4.78E-09	1.44E-14	4.35E-14	3.44E-14	1.71E-16	4.12E-15	2.27E-16	4.51678E-15	4.667E-11	2.0614E-08	4.77898E-09	1.47312E-14	6.89419E-16	7.3528E-15	1.14704E-16
102	570390.6	4178039	0.55, 41780	0.11033	0.08626	0.10708	70.86935	29.39362	77.00767	8.85867	4.86131	9.62596	5.13E-11	2.17E-08	5.05E-09	1.58E-14	4.78E-14	3.77E-14	1.87E-16	4.52E-15	2.5E-16	4.96039E-15	5.126E-11	2.1725E-08	5.05171E-09	1.6178E-14	7.57128E-16	8.07493E-15	1.25969E-16
103	570430.6	4178039	0.55, 41780	0.11935	0.09539	0.11615	72.77771	30.53752	78.92837	9.09721	4.99157	9.86605	5.64E-11	2.25E-08	5.19E-09	1.74E-14	5.26E-14	4.15E-14	2.06E-16	4.98E-15	2.75E-16	5.45847E-15	5.641E-11	2.2459E-08	5.18652E-09	1.78024E-14	8.33152E-16	8.88575E-15	1.38618E-16
104	570470.6	4178039	0.55, 41780	0.12876	0.10583	0.1256	77.88414	31.78332	83.40463	9.73552	5.12346	10.42558	6.22E-11	2.36E-08	5.54E-09	1.92E-14	5.79E-14	4.58E-14	2.27E-16	5.49E-15	3.03E-16	6.01792E-15	6.219E-11	2.3563E-08	5.54202E-09	1.9627E-14	9.18543E-16	9.79646E-15	1.52825E-16
105	570510.6	4178039	0.55, 41780	0.13797	0.11733	0.13491	81.61557	33.05226	90.60057	10.20195	5.27698	11.32507	6.84E-11	2.48E-08	5.83E-09	2.11E-14	6.38E-14	5.04E-14	2.5E-16	6.04E-15	3.33E-16	6.62174E-15	6.843E-11	2.4781E-08	5.83291E-09	2.15963E-14	1.01071E-15	1.07794E-14	1.68159E-16
106	570550.6	4178039	0.55, 41780	0.14677	0.12979	0.14418	83.22783	34.40977	92.92473	10.40348	5.64664	11.61559	7.51E-11	2.56E-08	5.95E-09	2.32E-14	6.99E-14	5.53E-14	2.74E-16	6.63E-15	3.66E-16	7.26517E-15	7.507E-11	2.5622E-08	5.95237E-09	2.36948E-14	1.10892E-15	1.18268E-14	1.84499E-16
107	570590.6	4178039	0.55, 41780	0.15543	0.14397	0.15331	100.7883	35.81672	104.85134	12.59854	6.05306	13.10642	8.25E-11	2.79E-08	7.15E-09	2.55E-14	7.69E-14	6.07E-14	3.01E-16	7.28E-15	4.02E-16	7.98206E-15	8.248E-11	2.7903E-08	7.14739E-09	2.60329E-14	1.21834E-15	1.29939E-14	2.02704E-16
108	570630.6	4178039	0.55, 41780	0.16446	0.15887	0.16086	114.63184	37.47906	118.86748	14.32898	6.85921	14.85844	9.01E-11	3.02E-08	8.13E-09	2.78E-14	8.4E-14	6.63E-14	3.29E-16	7.95E-15	4.39E-16	8.72245E-15	9.013E-11	3.0244E-08	8.12605E-09	2.84477E-14	1.33135E-15	1.41991E-14	2.21506E-16
109	570670.6	4178039	0.55, 41780	0.17604	0.17458	0.16859	120.19022	39.09251	122.97013	15.02378	7.81169	15.37127	9.83E-11	3.15E-08	8.51E-09	3.03E-14	9.16E-14	7.23E-14	3.59E-16	8.67E-15	4.79E-16	9.5118E-15	9.829E-11	3.1513E-08	8.5069E-09	3.1022E-14	1.45183E-15	1.54841E-14	2.41552E-16
110	570710.6	4178039	0.55, 41780	0.19156	0.191	0.18153	122.05191	40.81454	130.55962	15.86896	8.63568	17.88475	1.07E-10	3.29E-08	9.09E-09	3.31E-14	1E-13	7.9E-14	3.92E-16	9.47E-15	5.23E-16	1.03834E-14	1.073E-10	3.2865E-08	9.09004E-09	3.38648E-14	1.58487E-15	1.6903E-14	2.63687E-16
111	570750.6	4178039	0.55, 41780	0.2105	0.20761	0.19902	132.53323	47.68084	144.79481	16.56665	9.43658	19.64627	1.17E-10	3.74E-08	9.55E-09	3.61E-14	1.09E-13	8.6E-14	4.27E-16	1.03E-14	5.69E-16	1.13081E-14	1.169E-10	3.7394E-08	9.55155E-09	3.68804E-14	1.726E-15	1.84082E-14	2.87168E-16
112	570790.6	4178039	0.55, 41780	0.23169	0.22417	0.21523	139.552	52.7884	147.64201	17.444	10.33029	19.40572	1.26E-10	4.02E-08	9.98E-09	3.9E-14	1.18E-13	9.3E-14	4.62E-16	1.12E-14	6.16E-16	1.22337E-14	1.264E-10	4.0232E-08	9.97614E-09	3.98994E-14	1.86729E-15	1.9915E-14	3.10675E-16
113	570830.6	4178039	0.55, 41780	0.25382	0.24067	0.23208	145.24751	55.81087	161.73262	18.15594	11.28689	20.21658	1.36E-10	4.28E-08	1.04E-08	4.2E-14	1.27E-13	1E-13	4.97E-16	1.2E-14	6.63E-16	1.31653E-14	1.36E-10	4.2776E-08	1.03845E-08	4.29376E-14	2.00948E-15	2.14315E-14	3.34332E-16
114	570870.6	4178039	0.55, 41780	0.27385	0.25672	0.25028	159.27674	59.06353	181.66903	19.90959	12.04587	22.70863	1.45E-10	4.62E-08	1.14E-08	4.49E-14	1.36E-13	1.07E-13	5.31E-16	1.28E-14	7.09E-16	1.40752E-14	1.454E-10	4.6218E-08	1.14217E-08	4.59053E-14	2.14837E-15	2.29128E-14	3.5744E-16
115	570910.6	4178039	0.55, 41780	0.28498	0.272	0.26185	154.31681	63.03506	190.144	19.2896	11.80173	23.768	1.54E-10	4.83E-08	1.12E-08	4.74E-14	1.43E-13	1.13E-13	5.61E-16	1.36E-14	7.48E-16	1.48672E-14	1.536E-10	4.8294E-08	1.11781E-08	4.84882E-14	2.26925E-15	2.4202E-14	3.77551E-16
116	570950.6	4178039	0.55, 41780	0.28313	0.28254	0.2606	178.15221	69.82475	214.80591	22.26903	10.41815	26.85074	1.58E-10	5.41E-08	1.29E-08	4.88E-14	1.47E-13	1.16E-13	5.78E-16	1.4E-14	7.71E-16	1.531E-14	1.582E-10	5.4127E-08	1.28673E-08	4.99325E-14	2.33684E-15	2.49229E-14	3.88797E-16
117	570990.6	4178039	0.55, 41780	0.27042	0.28832	0.24711	188.87787	74.10995	223.28286	29.14051	12.35166	34.29706	1.59E-10	5.71E-08	1.68E-08	4.92E-14	1.48E-13	1.17E-13	5.82E-16	1.41E-14	7.76E-16	1.54168E-14	1.593E-10	5.714E-08	1.67845E-08	5.02809E-14	2.35315E-15	2.50968E-14	3.9151E-16
118	571030.6	4178039	0.55, 41780	0.25749	0.29249	0.23391	188.96663	83.29257	277.8919	26.99523	13.88209	39.69884	1.6E-10	6.47E-08	1.61E-08	4.93E-14	1.49E-13	1.18E-13	5.83E-16	1.41E-14	7.78E-16	1.54542E-14	1.597E-10	6.4745E-08	1.60516E-08	5.04026E-14	2.35884E-15	2.51576E-14	3.92458E-16
119	571070.6	4178039	0.55, 41780	0.25163	0.29646	0.21613	192.59035	92.57991	271.23553	26.01862	14.40126	34.27332	1.6E-10	6.87E-08	1.52E-08	4.94E-14	1.49E-13	1.18E-13	5.85E-16	1.41E-14	7.8E-16	1.54894E-14	1.601E-10	6.8692E-08	1.52179E-08	5.05174E-14	2.36422E-15	2.52149E-14	3.93352E-16
120	571110.6	4178039	0.55, 41780	0.23996	0.28057	0.20816	179.79911	89.13384	295.00102	29.33997	15.522	36.88643	1.52E-10	6.8E-08	1.7E-08	4.68E-14	1.41E-13	1.12E-13	5.55E-16	1.34E-14	7.39E-16	1.46903E-14	1.518E-10	6.7997E-08	1.70488E-08	4.79112E-14	2.24224E-15	2.3914E-14	3.73059E-16
121	571150.6	4178039	0.55, 41780	0.25767	0.30302	0.23363	202.30498	100.11261	284.90591	28.90071	16.95197	47.48432	1.64E-10	7.34E-08	1.75E-08	5.07E-14	1.53E-13	1.21E-13	6.01E-16	1.45E-14	8.01E-16	1.59125E-14	1.644E-10	7.3446E-08	1.75007E-08	5.18974E-14	2.4288E-15	2.59037E-14	4.04097E-16
122	571190.6	4178039	0.55, 41780	0.27122	0.30641	0.22867	194.68377	101.89225	297.80862	27.81197	16.7188	37.22608	1.66E-10	7.47E-08	1.63E-08	5.13E-14	1.55E-13	1.22E-13	6.08E-16	1.47E-14	8.1E-16	1.60964E-14	1.663E-10	7.468E-08	1.63043E-08	5.24972E-14	2.45687E-15	2.6203E-14	4.08767E-16
123	571230.6	4178039	0.55, 41780	0.28804	0.31092	0.2326	196.84209	99.06119	294.63263	24.60526	16.26482	42.09038	1.69E-10	7.33E-08	1.5E-08	5.23E-14	1.58E-13	1.25E-13	6.19E-16	1.5E-14	8.26E-16	1.63998E-14	1.695E-10	7.3312E-08	1.50051E-08	5.34867E-14	2.50318E-15	2.66969E-14	4.16472E-16
124	571270.6	4178039	0.55, 41780	0.31661	0.32283	0.24843	191.8709	85.51951	280.99547	23.98386	14.63938	35.12443	1.77E-10	6.61E-08	1.43E-08	5.47E-14	1.65E-13	1.3E-13	6.48E-16	1.56E-14	8.64E-16	1.71566E-14	1.773E-10	6.6093E-08	1.42518E-08	5.59549E-14	2.61869E-15	2.79289E-14	4.3569E-16
125	571310.6	4178039	0.55, 41780	0.35598	0.34149	0.26147	189.38373	68.10225	290.04443	23.67297	13.72977	36.25555	1.89E-10	5.87E-08	1.42E-08	5.82E-14	1.76E-13	1.39E-13	6.89E-16	1.66E-14	9.18E-16	1.82436E-14	1.885E-10	5.8693E-08	1.41677E-08	5.95002E-14	2.78461E-15	2.96984E-14	4.63295E-16
126	571350.6	4178039	0.55, 41780	0.39399	0.35989	0.2835	182.95784	62.01914	299.45287	22.86973	11.81322	37.43161	2E-10	5.62E-08	1.38E-08	6.18E-14	1.86E-13	1.47E-13	7.31E-16	1.77E-14	9.75E-16	1.93678E-14	2.001E-10	5.6222E-08	1.38396E-08	6.31666E-14	2.9562E-15	3.15285E-14	4.91844E-16
127	571390.6	4178039	0.55, 41780	0.4222	0.3733	0.32107	164.47464	56.17724	258.72398	20.55933	10.13431	32.3405	2.1E-10	5.01E-08	1.24E-08	6.48E-14	1.96E-13	1.55E-13	7.67E-16	1.85E-14	1.02E-15	2.03217E-14	2.1E-10	5.0069E-08	1.23584E-08	6.62776E-14	3.10179E-15	3.30813E-14	5.16068E-16
128	571430.6	4178039	0.55, 41780	0.44026	0.38105	0.3744	146.31006	45.8458	221.86738	18.28876	9.60517	27.73342	2.18E-10	4.22E-08	1.09E-08	6.72E-14	2.03E-13	1.6E-13	7.96E-16	1.92E-14	1.06E-15	2.10756E-14	2.178E-10	4.2154E-08	1.09278E-08	6.87366E-14	3.21687E-15	3.43086E-14	5.35215E-16
129	571470.6	4178039	0.55, 41780	0.44344	0.3799	0.42037	134.05635	35.96521	154.66668	16.75704	8.42199	19.33334	2.2E-10	3.28E-08	9.63E-09	6.8E-14	2.05E-13	1.62E-13	8.05E-16	1.94E-14	1.07E-15	2.13232E-14	2.203E-10	3.2818E-08	9.62715E-09	6.95442E-14	3.25467E-15	3.47117E-14	5.41503E-16
130	571510.6	4178039	0.55, 41780	0.43369	0.37075	0.44522	135.2804	26.4112	176.84451	16.91005	8.14543	22.10556	2.17E-10	3E-08	9.88E-09	6.71E-14	2.02E-13	1.6E-13	7.94E-16	1.92E-14	1.06E-15	2.10289E-14	2.173E-10	2.9982E-08	9.87969E-09	6.85843E-14	3.20974E-15	3.42326E-14	5.34029E-16
131	571550.6	4178039	0.55, 41780	0.4157	0.35641	0.44493	128.00174	25.24959	172.96462	16.00022	7.84928	21.62058	2.1E-10	2.88E-08	9.39E-09	6.48E-14	1.96E-13	1.54E-13	7.67E-16	1.85E-14	1.02E-15	2.03135E-14	2.099E-10	2.8843E-08	9.3928E-09	6.6251E-14	3.10055E-15	3.3068E-14	5.15861E-16
132	571590.6	4178039	0.55, 41780	0.38889	0.33646	0.4222	114.21376	28.264	151.26331	14.27672	7.21894	18.90791	1.98E-10	2.81E-08	8.36E-09	6.11E-14	1.85E-13	1.46E-13	7.24E-16	1.75E-14	9.65E-16	1.91724E-14	1.981E-10	2.8125E-08	8.35669E-09	6.25294E-14	2.92638E-15	3.12104E-14	4.86883E-16
133	570310.6	4178079	0.55, 41780	0.09792	0.07296	0.09477	71.40728	28.01469	77.09789	8.92591	4.66912	9.63724	4.39E-11	2.11E-08	5.09E-09	1.35E-14	4.09E-14	3.23E-14	1.6E-16	3.87E-15	2.14E-16	4.24395E-15	4.385E-11	2.1137E-08	5.08613E-09	1.38413E-14	6.47774E-16	6.90865E-15	1.07775E-16
134	570350.6	4178079	0.55, 41780	0.1067	0.08065	0.10312	70.03301	29.10671	80.22931	8.75413	4.85112	10.02866	4.83E-11	2.18E-08	5.02E-09	1.49E-14	4.5E-14	3.55E-14	1.76E-16	4.26E-15	2.35E-16	4.67363E-15	4.83E-11	2.1758E-08	5.02484E-09	1.52427E-14	7.13359E-16	7.60813E-15	1.18687E-16
135	570390.6	4178079	0.55, 41780	0.11641	0.08948	0.11242	73.93226	30.15719	77.81828	9.24153	5.0262	9.72728	5.34E-11	2.23E-08	5.25E-09	1.65E-14	4.97E-14	3.93E-14	1.95E-16	4.71E-15	2.6E-16	5.16343E-15	5.336E-11	2.2276E-08	5.25008E-09	1.68402E-14	7.88119E-16	8.40546E-15	1.31125E-16
136	570430.6	4178079	0.55, 41780	0.12715	0.09969	0.12302	79.99098	31.34254	86.52141	9.99887	5.20891	10.81518	5.92E-11	2.37E-08	5.7E-09	1.83E-14	5.51E-14	4.36E-14	2.16E-16	5.22E-15	2.88E-16	5.72644E-15	5.917E-11	2.3669E-08	5.69876E-09	1.86764E-14	8.74054E-16	9.32197E-15	1.45423E-16
137	570470.6	4178079	0.55, 41780	0.13857	0.11144	0.13449	81.53824	32.65768	88.86509	10.19228	5.39019	11.10814	6.58E-11	2.45E-08	5.81E-09	2.03E-14	6.13E-14	4.84E-14	2.4E-16	5.8E-15	3.2E-16	6.36528E-15	6.578E-11	2.4489E-08	5.8143E-09	2.07599E-14	9.71563E-16	1.03619E-14	1.61646E-16
138	570510.6	4178079	0.55, 41780	0.15049	0.12507	0.14657	87.75299	34.11951	95.20757	10.96912	5.60116	11.90095	7.33E-11	2.59E-08	6.25E-09	2.26E-14	6.83E-14	5.39E-14	2.68E-16	6.47E-15	3.57E-16	7.09229E-15	7.329E-11	2.5865E-08	6.25405E-09	2.3131E-14	1.08253E-15	1.15454E-14	1.80109E-16
139	570550.6	4178079	0.55, 41780	0.16198	0.14034	0.1583	91.64015	35.64897	104.22382	11.45502	5.99366	13.02798	8.15E-11	2.73E-08	6.57E-09	2.51E-14	7.59E-14	6E-14	2.98E-16	7.19E-15	3.97E-16	7.88656E-15	8.15E-11	2.7324E-08	6.56913E-09	2.57214E-14	1.20376E-15	1.28384E-14	2.00279E-16
140	570590.6	4178079	0.55, 41780	0.17272	0.15744	0.16968	88.35639	37.38874	105.88084	11.57204	6.46071	13.23511	9.05E-11	2.8E-08	6.64E-09	2.79E-14	8.43E-14	6.66E-14	3.31E-16	7.98E-15	4.41E-16	8.7548E-15	9.047E-11	2.8046E-08	6.64093E-09	2.85531E-14	1.33629E-15	1.42518E-14	2.22328E-16
141	570630.6	4178079	0.55, 41780	0.1831	0.1763	0.17984	101.08083	39.23196	114.54818	12.6351	7.02353	14.31852	1E-10	3.01E-08	7.24E-09	3.09E-14	9.33E-14	7.37E-14	3.66E-16	8.84E-15	4.88E-16	9.69052E-15	1.001E-10	3.0072E-08	7.2426E-09	3.16049E-14	1.47911E-15	1.5775E-14	2.4609E-16
142	570670.6	4178079	0.55, 41780	0.19537	0.19687	0.18849	125.63761	41.20021	131.91916	15.7047	8.22231	16.4899	1.11E-10	3.33E-08	8.92E-09	3.41E-14	1.03E-13	8.14E-14	4.04E-16	9.76E-15	5.39E-16	1.07008E-14	1.106E-10	3.3307E-08	8.91922E-09	3.48999E-14	1.63332E-15	1.74197E-14	2.71747E-16
143	570710.6	4178079	0.55, 41780	0.21241	0.21933	0.20096	144.38379	43.29239	151.59141	18.04797	9.29195	18.94893	1.22E-10	3.64E-08	1.02E-08	3.78E-14	1.14E-13	9E-14	4.47E-16	1.08E-14	5.96E-16	1.18404E-14	1.224E-10	3.6448E-08	1.025E-08	3.86166E-14	1.80726E-15	1.92748E-14	3.00687E-16
144	570750.6	4178079	0.55, 41780	0.23537	0.24332	0.2221	149.96792	48.92505	154.1756	18.74599	10.23	23.04389	1.36E-10	3.94E-08	1.09E-08	4.19E-14	1.26E-13	9.98E-14	4.96E-16	1.2E-14	6.61E-16	1.3129E-14	1.357E-10	3.9434E-08	1.08596E-08	4.28192E-14	2.00394E-15	2.13725E-14	3.3341E-16
145	570790.6	4178079	0.55, 41780	0.26445	0.26867	0.24585	159.48841	56.15329	178.05216	19.93605	11.24377	22.79466	1.5E-10	4.47E-08	1.14E-08	4.63E-14	1.4E-13	1.1E-13	5.48E-16	1.32E-14	7.31E-16	1.45229E-14	1.501E-10	4.4688E-08	1.14404E-08	4.73655E-14	2.21671E-15	2.36417E-14	3.6881E-16
146	570830.6	4178079	0.55, 41780	0.30001	0.29551	0.27029	164.85959	59.75168	177.78875	20.60745	12.43332	22.22359	1.66E-10	4.66E-08	1.17E-08	5.11E-14	1.54E-13	1.22E-13	6.05E-16	1.46E-14	8.06E-16	1.60179E-14	1.655E-10	4.6566E-08	1.17408E-08	5.22413E-14	2.44489E-15	2.60753E-14	4.06775E-16
147	570870.6	4178079	0.55, 41780	0.34051	0.32416	0.30185	178.96906	63.85658	203.22306	22.37113	13.91568	25.40288	1.82E-10	5.07E-08	1.28E-08	5.63E-14	1.7E-13	1.34E-13	6.67E-16	1.61E-14	8.89E-16	1.76598E-14	1.825E-10	5.0744E-08	1.28267E-08	5.75962E-14	2.6955E-15	2.87481E-14	4.4847E-16
148	570910.6	4178079	0.55, 41780	0.37529	0.35313	0.33459	192.82824	68.49057	229.7632	24.10353	15.26079	28.7204	1.99E-10	5.52E-08	1.39E-08	6.15E-14	1.86E-13	1.47E-13	7.28E-16	1.76E-14	9.71E-16	1.92948E-14	1.994E-10	5.5219E-08	1.39056E-08	6.29285E-14	2.94506E-15	3.14096E-14	4.8999E-16
149	570950.6	4178079	0.55, 41780	0.39192	0.37725	0.35493	199.56835	75.56845	241.42387	26.9715	14.65967	30.17798	2.12E-10	5.95E-08	1.54E-08	6.55E-14	1.98E-13	1.56E-13	7.76E-16	1.87E-14	1.03E-15	2.0553E-14	2.124E-10	5.949E-08	1.54359E-08	6.70323E-14	3.13711E-15	3.34579E-14	5.21944E-16
150	570990.6	4178079	0.55, 41780	0.38624	0.39167	0.34038	209.52387	83.72546	270.89556	31.32288	13.79848	33.86195	2.18E-10	6.55E-08	1.79E-08	6.72E-14	2.03E-13	1.6E-13	7.95E-16	1.92E-14	1.06E-15	2.10646E-14	2.177E-10	6.554E-08	1.7851E-08	6.87008E-14	3.2152E-15	3.42907E-14	5.34936E-16
151	571030.6	4178079	0.55, 41780	0.36706	0.40059	0.31708	238.62537	94.19927	346.28961	34.73297	15.69988	52.33117	2.19E-10	7.65E-08	2.07E-08	6.77E-14	2.04E-13	1.61E-13	8.01E-16	1.93E-14	1.07E-15	2.12164E-14	2.192E-10	7.6518E-08	2.07321E-08	6.91957E-14	3.23836E-15	3.45378E-14	5.3879E-16
152	571070.6	4178079	0.55, 41780	0.35702	0.41066	0.29659	228.92087	105.90077	368.47625	31.45005	16.61116	46.05953	2.22E-10	8.27E-08	1.87E-08	6.85E-14	2.07E-13	1.63E-13	8.11E-16	1.96E-14	1.08E-15	2.14804E-14	2.22E-10	8.2705E-08	1.86884E-08	7.00569E-14	3.27866E-15	3.49676E-14	5.45495E-16
153	571110.6	4178079	0.55, 41780	0.35812	0.41418	0.29542	212.64364	104.08221	374.64105	34.6648	20.98986	46.90606	2.24E-10	8.15E-08	2.04E-08	6.9E-14	2.08E-13	1.65E-13	8.17E-16	1.97E-14	1.09E-15	2.16321E-14	2.235E-10	8.1451E-08	2.03538E-08	7.05516E-14	3.30182E-15	3.52146E-14	5.49347E-16
154	571150.6	4178079	0.55, 41780	0.37758	0.42317	0.31748	239.48451	117.47672	371.65504	34.21207	20.38272	60.67868	2.3E-10	8.87E-08	2.1E-08	7.1E-14	2.14E-13	1.69E-13	8.4E-16	2.03E-14	1.12E-15	2.22551E-14	2.3E-10	8.8659E-08	2.10004E-08	7.25834E-14	3.3969E-15	3.62287E-14	5.65168E-16
155	571190.6	4178079	0.55, 41780	0.41277	0.43447	0.31013	228.77572	115.09155	359.73847	28.66724	20.67403	44.96731	2.36E-10	8.63E-08	1.72E-08	7.29E-14	2.2E-13	1.74E-13	8.64E-16	2.09E-14	1.15E-15	2.28755E-14	2.364E-10	8.6285E-08	1.7224E-08	7.46069E-14	3.4916E-15	3.72387E-14	5.80923E-16
156	571230.6	4178079	0.55, 41780	0.46673	0.45732	0.33128	219.54291	100.98995	305.404	27.44286	18.56894	43.62914	2.51E-10	7.6E-08	1.65E-08	7.74E-14	2.34E-13	1.85E-13	9.16E-16	2.21E-14	1.22E-15	2.42667E-14	2.508E-10	7.6016E-08	1.65253E-08	7.9144E-14	3.70394E-15	3.95033E-14	6.16252E-16
157	571270.6	4178079	0.55, 41780	0.53318	0.48578	0.3586	215.1929	81.06645	332.5769	26.89911	17.27973	41.57211	2.69E-10	6.85E-08	1.61E-08	8.29E-14	2.5E-13	1.98E-13	9.82E-16	2.37E-14	1.31E-15	2.60017E-14	2.687E-10	6.8542E-08	1.61223E-08	8.48026E-14	3.96876E-15	4.23277E-14	6.60312E-16
158	571310.6	4178079	0.55, 41780	0.58671	0.50689	0.39805	205.97464	69.75551	363.05687	25.74683	14.70822	45.38211	2.83E-10	6.49E-08	1.58E-08	8.75E-14	2.64E-13	2.09E-13	1.04E-15	2.5E-14	1.38E-15	2.74272E-14	2.834E-10	6.491E-08	1.57862E-08	8.94517E-14	4.18634E-15	4.46482E-14	6.96512E-16
159	571350.6	4178079	0.55, 41780	0.61439	0.51569	0.46686	184.46358	62.8789	316.33591	23.05795	12.5762	39.54199	2.93E-10	5.78E-08	1.41E-08	9.05E-14	2.73E-13	2.16E-13	1.07E-15	2.59E-14	1.43E-15	2.83692E-14	2.932E-10	5.7757E-08	1.40678E-08	9.2524E-14	4.33012E-15	4.61817E-14	7.20434E-16
160	571390.6	4178079	0.55, 41780	0.61879	0.51229	0.54521	162.6235	50.78632	251.98298	20.32794	11.67282	31.49787	2.97E-10	4.71E-08	1.22E-08	9.16E-14	2.77E-13	2.18E-13	1.08E-15	2.62E-14	1.45E-15	2.87234E-14	2.968E-10	4.7118E-08	1.21889E-08	9.36794E-14	4.38419E-15	4.67584E-14	7.29431E-16
161	571430.6	4178079	0.55, 41780	0.60477	0.49855	0.60294	157.24404	39.05995	207.2573	19.65551	9.99401	25.90716	2.94E-10	3.87E-08	1.15E-08	9.06E-14	2.74E-13	2.16E-13	1.07E-15	2.59E-14	1.43E-15	2.84098E-14	2.936E-10	3.8725E-08	1.14972E-08	9.26565E-14	4.33632E-15	4.62478E-14	7.21466E-16
162	571470.6	4178079	0.55, 41780	0.57311	0.47467	0.61341	152.07991	30.59352	215.52596	19.00999	9.68796	26.94074	2.82E-10	3.52E-08	1.12E-08	8.7E-14	2.63E-13	2.07E-13	1.03E-15	2.49E-14	1.37E-15	2.72773E-14	2.819E-10	3.5172E-08	1.12391E-08	8.8963E-14	4.16347E-15	4.44043E-14	6.92706E-16
163	571510.6	4178079	0.55, 41780	0.53465	0.44658	0.58613	137.55383	33.88214	191.36045	17.19423	8.95455	23.92006	2.66E-10	3.44E-08	1.01E-08	8.19E-14	2.47E-13	1.95E-13	9.7E-16	2.34E-14	1.29E-15	2.56961E-14	2.655E-10	3.4384E-08	1.01372E-08	8.38061E-14	3.92213E-15	4.18303E-14	6.52553E-16
164	571550.6	4178079	0.55, 41780	0.48548	0.41212	0.53241	120.13532	36.07438	157.49519	15.01691	7.90342	19.6869	2.44E-10	3.23E-08	8.78E-09	7.53E-14	2.27E-13	1.8E-13	8.92E-16	2.15E-14	1.19E-15	2.36223E-14	2.441E-10	3.234E-08	8.77718E-09	7.70425E-14	3.60559E-15	3.84544E-14	5.99888E-16
165	571590.6	4178079	0.55, 41780	0.43445	0.37558	0.47142	108.95419	37.19094	141.55637	13.61927	6.74143	17.69455	2.21E-10	3.13E-08	7.95E-09	6.83E-14	2.06E-13	1.63E-13	8.08E-16	1.95E-14	1.08E-15	2.14041E-14	2.212E-10	3.1265E-08	7.95013E-09	6.98078E-14	3.26701E-15	3.48433E-14	5.43556E-16
166	570310.6	4178119	0.55, 41781	0.10149	0.07442	0.09774	69.0748	28.05035	78.28908	8.63435	4.67506	9.78613	4.49E-11	2.11E-08	4.95E-09	1.38E-14	4.18E-14	3.3E-14	1.64E-16	3.96E-15	2.19E-16	4.34337E-15	4.488E-11	2.111E-08	4.94941E-09	1.41656E-14	6.62949E-16	7.0705E-15	1.103E-16
167	570350.6	4178119	0.55, 41781	0.11138	0.08273	0.10725	79.07973	29.62524	82.98136	9.88497	4.93754	10.37267	4.97E-11	2.26E-08	5.61E-09	1.53E-14	4.63E-14	3.66E-14	1.82E-16	4.39E-15	2.42E-16	4.81266E-15	4.973E-11	2.2625E-08	5.61359E-09	1.56962E-14	7.3458E-16	7.83445E-15	1.22217E-16
168	570390.6	4178119	0.55, 41781	0.12249	0.09237	0.11775	81.81771	30.97041	92.38822	10.22721	5.16174	11.54853	5.53E-11	2.4E-08	5.86E-09	1.71E-14	5.15E-14	4.07E-14	2.02E-16	4.88E-15	2.69E-16	5.35202E-15	5.531E-11	2.3967E-08	5.85975E-09	1.74552E-14	8.16905E-16	8.71246E-15	1.35914E-16
169	570430.6	4178119	0.55, 41781	0.13492	0.10362	0.12964	81.48606	32.23138	89.13007	10.18576	5.3719	11.14126	6.18E-11	2.43E-08	5.81E-09	1.91E-14	5.75E-14	4.55E-14	2.26E-16	5.45E-15	3.01E-16	5.97659E-15	6.176E-11	2.4311E-08	5.81314E-09	1.94922E-14	9.12236E-16	9.72919E-15	1.51775E-16
170	570470.6	4178119	0.55, 41781	0.14882	0.11683	0.14311	90.82614	33.6686	97.62505	11.35327	5.5932	12.20313	6.93E-11	2.6E-08	6.47E-09	2.14E-14	6.45E-14	5.1E-14	2.53E-16	6.11E-15	3.37E-16	6.70355E-15	6.927E-11	2.5972E-08	6.4658E-09	2.18631E-14	1.0232E-15	1.09126E-14	1.70236E-16
171	570510.6	4178119	0.55, 41781	0.16361	0.13228	0.15796	92.34034	35.20886	102.68913	11.54254	5.82093	12.83614	7.79E-11	2.71E-08	6.6E-09	2.4E-14	7.26E-14	5.74E-14	2.85E-16	6.88E-15	3.8E-16	7.54102E-15	7.793E-11	2.7064E-08	6.60084E-09	2.45945E-14	1.15102E-15	1.22759E-14	1.91504E-16
172	570550.6	4178119	0.55, 41781	0.17911	0.1505	0.17388	100.11195	36.92243	110.21215	12.51399	6.33987	13.77652	8.79E-11	2.87E-08	7.15E-09	2.71E-14	8.19E-14	6.47E-14	3.21E-16	7.76E-15	4.28E-16	8.50933E-15	8.793E-11	2.8707E-08	7.14751E-09	2.77526E-14	1.29882E-15	1.38522E-14	2.16094E-16
173	570590.6	4178119	0.55, 41781	0.19374	0.17125	0.18923	103.74737	38.76233	121.67682	12.96842	6.89651	15.2096	9.9E-11	3.04E-08	7.47E-09	3.05E-14	9.22E-14	7.29E-14	3.62E-16	8.74E-15	4.82E-16	9.5802E-15	9.9E-11	3.0448E-08	7.46622E-09	3.12451E-14	1.46227E-15	1.55954E-14	2.43289E-16
174	570630.6	4178119	0.55, 41781	0.2069	0.19483	0.20326	104.63966	41.01094	121.05227	13.84797	7.49161	15.13153	1.11E-10	3.15E-08	7.9E-09	3.43E-14	1.04E-13	8.18E-14	4.06E-16	9.81E-15	5.42E-16	1.07591E-14	1.112E-10	3.1467E-08	7.90222E-09	3.50902E-14	1.64222E-15	1.75146E-14	2.73228E-16
175	570670.6	4178119	0.55, 41781	0.21998	0.22122	0.21442	115.58367	43.51142	138.36153	15.0671	8.60459	17.29519	1.24E-10	3.42E-08	8.65E-09	3.84E-14	1.16E-13	9.16E-14	4.55E-16	1.1E-14	6.06E-16	1.20426E-14	1.244E-10	3.4247E-08	8.65065E-09	3.92761E-14	1.83812E-15	1.96039E-14	3.05822E-16
176	570710.6	4178119	0.55, 41781	0.23703	0.25104	0.22497	127.12041	45.98226	134.54184	16.41254	9.96819	16.81773	1.39E-10	3.57E-08	9.29E-09	4.3E-14	1.3E-13	1.03E-13	5.09E-16	1.23E-14	6.79E-16	1.34914E-14	1.394E-10	3.5703E-08	9.29488E-09	4.40012E-14	2.05926E-15	2.19624E-14	3.42613E-16
177	570750.6	4178119	0.55, 41781	0.26187	0.28441	0.24496	163.41699	49.64069	173.69321	20.42712	11.18287	24.67477	1.57E-10	4.17E-08	1.18E-08	4.84E-14	1.46E-13	1.16E-13	5.74E-16	1.39E-14	7.65E-16	1.51912E-14	1.57E-10	4.1677E-08	1.18059E-08	4.95449E-14	2.3187E-15	2.47294E-14	3.85779E-16
178	570790.6	4178119	0.55, 41781	0.29707	0.32177	0.27572	189.30326	59.79186	203.13563	23.66291	12.3939	25.39195	1.78E-10	4.94E-08	1.35E-08	5.48E-14	1.65E-13	1.31E-13	6.49E-16	1.57E-14	8.65E-16	1.71819E-14	1.775E-10	4.9432E-08	1.34736E-08	5.60375E-14	2.62256E-15	2.79701E-14	4.36334E-16
179	570830.6	4178119	0.55, 41781	0.34574	0.3643	0.31009	193.11502	64.55328	210.79637	24.13938	13.76558	26.34955	2.01E-10	5.23E-08	1.38E-08	6.21E-14	1.88E-13	1.48E-13	7.36E-16	1.78E-14	9.81E-16	1.94864E-14	2.014E-10	5.2256E-08	1.37732E-08	6.35534E-14	2.9743E-15	3.17215E-14	4.94856E-16
180	570870.6	4178119	0.55, 41781	0.41228	0.41342	0.35667	202.8381	69.60981	241.64288	25.35476	15.49628	31.6123	2.3E-10	5.7E-08	1.47E-08	7.09E-14	2.14E-13	1.69E-13	8.4E-16	2.03E-14	1.12E-15	2.22409E-14	2.298E-10	5.6985E-08	1.47163E-08	7.25371E-14	3.39473E-15	3.62056E-14	5.64807E-16
181	570910.6	4178119	0.55, 41781	0.49003	0.46844	0.41739	224.50761	75.3478	268.49725	28.06345	17.99511	33.56216	2.62E-10	6.24E-08	1.62E-08	8.1E-14	2.44E-13	1.93E-13	9.59E-16	2.32E-14	1.28E-15	2.53945E-14	2.624E-10	6.2373E-08	1.61979E-08	8.28224E-14	3.87609E-15	4.13393E-14	6.44893E-16
182	570950.6	4178119	0.55, 41781	0.55455	0.52056	0.48015	237.44511	82.6149	307.44591	31.19836	20.61697	38.43074	2.93E-10	6.88E-08	1.81E-08	9.05E-14	2.73E-13	2.16E-13	1.07E-15	2.59E-14	1.43E-15	2.83693E-14	2.932E-10	6.8774E-08	1.80784E-08	9.25243E-14	4.33014E-15	4.61818E-14	7.20436E-16
183	570990.6	4178119	0.55, 41781	0.59019	0.56679	0.49805	260.70129	98.30209	347.94815	39.14578	18.7176	43.49352	3.17E-10	7.96E-08	2.24E-08	9.78E-14	2.95E-13	2.33E-13	1.16E-15	2.8E-14	1.54E-15	3.067E-14	3.169E-10	7.9592E-08	2.23838E-08	1.00028E-13	4.68131E-15	4.99272E-14	7.78864E-16
184	571030.6	4178119	0.55, 41781	0.58003	0.59593	0.46436	288.08817	110.38847	394.82286	43.41155	19.84321	60.28631	3.27E-10	8.94E-08	2.56E-08	1.01E-13	3.05E-13	2.41E-13	1.2E-15	2.89E-14	1.59E-15	3.1684E-14	3.274E-10	8.9401E-08	2.55875E-08	1.03335E-13	4.83608E-15	5.15778E-14	8.04614E-16
185	571070.6	4178119	0.55, 41781	0.56003	0.61401	0.43624	281.59163	124.26135	479.69295	39.26934	23.95732	65.06151	3.33E-10	1.01E-07	2.38E-08	1.03E-13	3.1E-13	2.45E-13	1.22E-15	2.94E-14	1.62E-15	3.22015E-14	3.328E-10	1.0071E-07	2.38138E-08	1.05023E-13	4.91508E-15	5.24203E-14	8.17757E-16
186	571110.6	4178119	0.55, 41781	0.57497	0.62965	0.42923	279.23237	138.16088	507.21032	41.39356	27.39628	63.69191	3.4E-10	1.09E-07	2.48E-08	1.05E-13	3.17E-13	2.5E-13	1.24E-15	3E-14	1.66E-15	3.29139E-14	3.401E-10	1.0859E-07	2.47918E-08	1.07346E-13	5.0238E-15	5.35799E-14	8.35847E-16
187	571150.6	4178119	0.55, 41781	0.64473	0.65929	0.45591	273.06399	137.55558	506.75735	37.77228	27.34359	77.75635	3.59E-10	1.08E-07	2.39E-08	1.11E-13	3.34E-13	2.64E-13	1.31E-15	3.17E-14	1.75E-15	3.47126E-14	3.587E-10	1.0798E-07	2.38684E-08	1.13213E-13	5.29836E-15	5.65081E-14	8.81526E-16
188	571190.6	4178119	0.55, 41781	0.76806	0.70549	0.46182	260.36357	120.74038	479.78233	32.90288	24.49294	68.54033	3.86E-10	9.8E-08	2.08E-08	1.19E-13	3.6E-13	2.84E-13	1.41E-15	3.41E-14	1.88E-15	3.73691E-14	3.862E-10	9.8047E-08	2.08427E-08	1.21876E-13	5.70382E-15	6.08324E-14	9.48986E-16
189	571230.6	4178119	0.55, 41781	0.88147	0.74364	0.51839	250.38438	100.21062	435.42985	31.29805	22.32262	54.42873	4.13E-10	8.55E-08	1.91E-08	1.27E-13	3.85E-13	3.04E-13	1.51E-15	3.64E-14	2.01E-15	3.99367E-14	4.127E-10	8.5477E-08	1.91431E-08	1.30251E-13	6.09573E-15	6.50123E-14	1.01419E-15
190	571270.6	4178119	0.55, 41781	0.94057	0.75526	0.59724	235.31349	80.57107	462.41399	29.41419	18.81416	57.80175	4.26E-10	7.76E-08	1.84E-08	1.31E-13	3.97E-13	3.13E-13	1.56E-15	3.76E-14	2.07E-15	4.12176E-14	4.259E-10	7.7574E-08	1.84126E-08	1.34428E-13	6.29124E-15	6.70974E-14	1.04672E-15
191	571310.6	4178119	0.55, 41781	0.94266	0.74202	0.72716	211.76846	71.48368	401.12341	26.47106	15.9259	50.14043	4.28E-10	6.84E-08	1.65E-08	1.32E-13	3.99E-13	3.15E-13	1.56E-15	3.78E-14	2.09E-15	4.14479E-14	4.283E-10	6.8398E-08	1.64511E-08	1.35179E-13	6.3264E-15	6.74724E-14	1.05257E-15
192	571350.6	4178119	0.55, 41781	0.90909	0.71255	0.85266	184.59351	57.17412	286.57244	23.07419	14.42847	35.82155	4.21E-10	5.33E-08	1.38E-08	1.3E-13	3.93E-13	3.1E-13	1.54E-15	3.72E-14	2.05E-15	4.07684E-14	4.213E-10	5.3305E-08	1.384E-08	1.32963E-13	6.22267E-15	6.63661E-14	1.03531E-15
193	571390.6	4178119	0.55, 41781	0.85308	0.67145	0.90336	182.88204	42.90716	275.98695	22.86025	12.27464	34.49837	4.03E-10	4.61E-08	1.36E-08	1.24E-13	3.76E-13	2.97E-13	1.47E-15	3.56E-14	1.96E-15	3.90124E-14	4.031E-10	4.6118E-08	1.36488E-08	1.27236E-13	5.95465E-15	6.35076E-14	9.90718E-16
194	571430.6	4178119	0.55, 41781	0.78	0.62166	0.86624	169.0522	41.64549	252.50347	21.13153	11.39175	31.56293	3.75E-10	4.34E-08	1.26E-08	1.16E-13	3.49E-13	2.76E-13	1.37E-15	3.31E-14	1.82E-15	3.62546E-14	3.746E-10	4.3359E-08	1.25959E-08	1.18242E-13	5.53371E-15	5.90182E-14	9.20684E-16
195	571470.6	4178119	0.55, 41781	0.69763	0.567	0.77646	144.82238	43.55007	199.26025	18.1028	10.0864	24.90753	3.4E-10	3.96E-08	1.07E-08	1.05E-13	3.17E-13	2.5E-13	1.24E-15	3E-14	1.66E-15	3.29156E-14	3.401E-10	3.961E-08	1.06554E-08	1.07352E-13	5.02407E-15	5.35827E-14	8.35891E-16
196	571510.6	4178119	0.55, 41781	0.61632	0.51188	0.67545	129.07456	44.20691	173.84445	16.93315	8.5721	21.73056	3.05E-10	3.75E-08	9.87E-09	9.4E-14	2.84E-13	2.24E-13	1.11E-15	2.69E-14	1.48E-15	2.94928E-14	3.048E-10	3.7495E-08	9.86749E-09	9.61887E-14	4.50163E-15	4.80109E-14	7.48969E-16
197	571550.6	4178119	0.55, 41781	0.53701	0.45659	0.57828	116.13448	43.6354	149.52645	16.99831	7.6971	20.20244	2.7E-10	3.5E-08	9.8E-09	8.32E-14	2.51E-13	1.98E-13	9.85E-16	2.38E-14	1.31E-15	2.6096E-14	2.697E-10	3.5039E-08	9.80323E-09	8.51103E-14	3.98316E-15	4.24813E-14	6.62708E-16
198	571590.6	4178119	0.55, 41781	0.46599	0.40463	0.49394	103.06511	42.01095	133.93422	16.60125	6.75955	20.50745	2.37E-10	3.27E-08	9.62E-09	7.32E-14	2.21E-13	1.75E-13	8.67E-16	2.09E-14	1.16E-15	2.29639E-14	2.373E-10	3.2655E-08	9.62352E-09	7.48951E-14	3.50509E-15	3.73825E-14	5.83168E-16
199	570310.6	4178159	0.55, 41781	0.10452	0.07557	0.10002	83.14681	27.07322	89.45551	10.39335	4.47805	11.18194	4.57E-11	2.21E-08	5.92E-09	1.41E-14	4.26E-14	3.36E-14	1.67E-16	4.03E-15	2.23E-16	4.42239E-15	4.57E-11	2.2092E-08	5.91979E-09	1.44233E-14	6.7501E-16	7.19913E-15	1.12306E-16
200	570350.6	4178159	0.55, 41781	0.1156	0.08446	0.11071	83.51332	29.37807	93.62995	10.43917	4.89635	11.70374	5.09E-11	2.34E-08	5.98E-09	1.57E-14	4.75E-14	3.75E-14	1.86E-16	4.5E-15	2.48E-16	4.93006E-15	5.094E-11	2.3414E-08	5.97586E-09	1.6079E-14	7.52499E-16	8.02556E-15	1.25199E-16
201	570390.6	4178159	0.55, 41781	0.12828	0.09489	0.12282	85.72091	31.44775	90.10823	10.71511	5.24129	11.26353	5.71E-11	2.42E-08	6.09E-09	1.76E-14	5.32E-14	4.2E-14	2.08E-16	5.04E-15	2.78E-16	5.52146E-15	5.706E-11	2.4235E-08	6.08627E-09	1.80078E-14	8.42766E-16	8.98828E-15	1.40217E-16
202	570430.6	4178159	0.55, 41781	0.14269	0.1072	0.13639	94.53138	33.159	104.73347	11.81642	5.5265	13.09168	6.42E-11	2.64E-08	6.75E-09	1.98E-14	5.98E-14	4.72E-14	2.35E-16	5.67E-15	3.13E-16	6.21228E-15	6.419E-11	2.6381E-08	6.75435E-09	2.02609E-14	9.48211E-16	1.01129E-14	1.57761E-16
203	570470.6	4178159	0.55, 41781	0.15906	0.12183	0.15182	91.68652	34.69147	109.10852	11.46082	5.78191	13.63857	7.26E-11	2.72E-08	6.61E-09	2.24E-14	6.76E-14	5.34E-14	2.65E-16	6.41E-15	3.54E-16	7.02532E-15	7.26E-11	2.7204E-08	6.61076E-09	2.29126E-14	1.07231E-15	1.14364E-14	1.78408E-16
204	570510.6	4178159	0.55, 41781	0.17738	0.13933	0.16931	103.8828	36.49731	110.76271	12.98535	6.04456	13.84534	8.25E-11	2.87E-08	7.39E-09	2.55E-14	7.69E-14	6.07E-14	3.01E-16	7.28E-15	4.02E-16	7.98572E-15	8.252E-11	2.8742E-08	7.38818E-09	2.60448E-14	1.2189E-15	1.29998E-14	2.02797E-16
205	570550.6	4178159	0.55, 41781	0.19733	0.16029	0.18927	106.21161	38.46337	121.82569	13.27645	6.62676	15.22821	9.42E-11	3.04E-08	7.62E-09	2.91E-14	8.78E-14	6.94E-14	3.44E-16	8.32E-15	4.59E-16	9.12016E-15	9.424E-11	3.0448E-08	7.62183E-09	2.97447E-14	1.39205E-15	1.48465E-14	2.31606E-16
206	570590.6	4178159	0.55, 41781	0.21794	0.18524	0.21062	115.65264	40.48441	129.80552	14.45658	7.37316	16.22569	1.08E-10	3.23E-08	8.28E-09	3.33E-14	1.01E-13	7.94E-14	3.94E-16	9.52E-15	5.26E-16	1.04404E-14	1.079E-10	3.2344E-08	8.27674E-09	3.40505E-14	1.59356E-15	1.69957E-14	2.65132E-16
207	570630.6	4178159	0.55, 41781	0.23707	0.21436	0.23118	118.44365	42.79741	144.28442	14.80546	8.08317	18.03555	1.23E-10	3.44E-08	8.57E-09	3.8E-14	1.15E-13	9.07E-14	4.5E-16	1.09E-14	6.01E-16	1.19303E-14	1.233E-10	3.4446E-08	8.56644E-09	3.89097E-14	1.82097E-15	1.94211E-14	3.02969E-16
208	570670.6	4178159	0.55, 41781	0.25383	0.24795	0.24882	124.95922	45.84094	144.90734	15.6199	8.90031	18.11342	1.4E-10	3.62E-08	8.98E-09	4.33E-14	1.31E-13	1.03E-13	5.13E-16	1.24E-14	6.84E-16	1.35855E-14	1.404E-10	3.6187E-08	8.97968E-09	4.43082E-14	2.07363E-15	2.21157E-14	3.45004E-16
209	570710.6	4178159	0.55, 41781	0.27135	0.28697	0.26135	131.25248	49.29697	162.49426	17.47805	10.6966	20.31178	1.6E-10	3.92E-08	1.01E-08	4.93E-14	1.49E-13	1.18E-13	5.83E-16	1.41E-14	7.78E-16	1.54499E-14	1.597E-10	3.9179E-08	1.00507E-08	5.03889E-14	2.3582E-15	2.51507E-14	3.92351E-16
210	570750.6	4178159	0.55, 41781	0.29528	0.33222	0.27619	146.48828	52.90094	155.94977	21.86848	12.23914	22.93785	1.82E-10	4.12E-08	1.24E-08	5.62E-14	1.7E-13	1.34E-13	6.66E-16	1.61E-14	8.88E-16	1.76317E-14	1.822E-10	4.1161E-08	1.24183E-08	5.75044E-14	2.69121E-15	2.87023E-14	4.47756E-16
211	570790.6	4178159	0.55, 41781	0.33253	0.38536	0.30655	168.4296	63.37031	207.44804	22.18934	13.75991	31.3643	2.1E-10	5.03E-08	1.31E-08	6.48E-14	1.96E-13	1.55E-13	7.67E-16	1.85E-14	1.02E-15	2.03181E-14	2.1E-10	5.0258E-08	1.31136E-08	6.6266E-14	3.10125E-15	3.30755E-14	5.15977E-16
212	570830.6	4178159	0.55, 41781	0.39122	0.44987	0.34708	226.40986	70.88867	244.94075	28.30123	15.58224	30.61759	2.45E-10	5.9E-08	1.61E-08	7.55E-14	2.28E-13	1.8E-13	8.94E-16	2.16E-14	1.19E-15	2.3668E-14	2.446E-10	5.8966E-08	1.61304E-08	7.71915E-14	3.61256E-15	3.85288E-14	6.01049E-16
213	570870.6	4178159	0.55, 41781	0.48272	0.53035	0.408	262.06298	76.1106	293.39264	32.75787	17.58972	36.67408	2.89E-10	6.62E-08	1.87E-08	8.93E-14	2.7E-13	2.13E-13	1.06E-15	2.55E-14	1.41E-15	2.80006E-14	2.893E-10	6.6201E-08	1.87488E-08	9.13219E-14	4.27386E-15	4.55817E-14	7.11074E-16
214	570910.6	4178159	0.55, 41781	0.61652	0.63133	0.50366	261.24493	84.17228	335.42472	32.65562	20.33398	41.92809	3.48E-10	7.25E-08	1.9E-08	1.07E-13	3.24E-13	2.56E-13	1.27E-15	3.07E-14	1.69E-15	3.3648E-14	3.477E-10	7.2458E-08	1.90308E-08	1.0974E-13	5.13586E-15	5.4775E-14	8.5449E-16
215	570950.6	4178159	0.55, 41781	0.78722	0.75662	0.63069	286.12528	93.97029	373.71712	38.09436	25.30252	46.71464	4.21E-10	8.06E-08	2.21E-08	1.3E-13	3.92E-13	3.1E-13	1.54E-15	3.71E-14	2.05E-15	4.07292E-14	4.209E-10	8.0565E-08	2.2061E-08	1.32835E-13	6.21669E-15	6.63023E-14	1.03432E-15
216	570990.6	4178159	0.55, 41781	0.95557	0.89576	0.74297	303.7283	113.02353	445.40224	49.39935	30.83627	55.67528	4.99E-10	9.46E-08	2.83E-08	1.54E-13	4.65E-13	3.67E-13	1.82E-15	4.41E-14	2.43E-15	4.83122E-14	4.992E-10	9.459E-08	2.82969E-08	1.57567E-13	7.37413E-15	7.86466E-14	1.22689E-15
217	571030.6	4178159	0.55, 41781	1.0701	1.00768	0.7637	365.27865	135.92516	512.48146	63.89384	29.33742	70.31034	5.57E-10	1.12E-07	3.65E-08	1.72E-13	5.19E-13	4.1E-13	2.03E-15	4.91E-14	2.71E-15	5.38821E-14	5.568E-10	1.1229E-07	3.64918E-08	1.75733E-13	8.22429E-15	8.77138E-14	1.36834E-15
218	571070.6	4178159	0.55, 41781	1.06935	1.07923	0.71312	382.13438	155.20031	662.82772	54.74849	37.25068	94.68967	5.86E-10	1.31E-07	3.35E-08	1.81E-13	5.46E-13	4.31E-13	2.14E-15	5.17E-14	2.85E-15	5.66879E-14	5.858E-10	1.3136E-07	3.34532E-08	1.84884E-13	8.65255E-15	9.22813E-14	1.43959E-15
219	571110.6	4178159	0.55, 41781	1.19831	1.16386	0.6846	373.85472	174.62021	736.75515	53.40782	39.37776	93.09067	6.29E-10	1.44E-07	3.27E-08	1.94E-13	5.86E-13	4.63E-13	2.3E-15	5.55E-14	3.06E-15	6.08364E-14	6.287E-10	1.4438E-07	3.26797E-08	1.98414E-13	9.28576E-15	9.90346E-14	1.54494E-15
220	571150.6	4178159	0.55, 41781	1.53671	1.26322	0.72724	331.2731	149.81574	693.97089	50.26616	34.67292	96.78528	6.93E-10	1.28E-07	3.13E-08	2.14E-13	6.46E-13	5.1E-13	2.53E-15	6.12E-14	3.38E-15	6.70924E-14	6.933E-10	1.2833E-07	3.1339E-08	2.18817E-13	1.02406E-14	1.09219E-13	1.70381E-15
221	571190.6	4178159	0.55, 41781	1.71324	1.27647	0.80447	303.51531	125.05743	565.89383	43.45807	29.97586	80.84198	7.13E-10	1.08E-07	2.69E-08	2.2E-13	6.64E-13	5.25E-13	2.61E-15	6.29E-14	3.47E-15	6.9011E-14	7.131E-10	1.0764E-07	2.69146E-08	2.25075E-13	1.05335E-14	1.12342E-13	1.75253E-15
222	571230.6	4178159	0.55, 41781	1.67997	1.21931	0.99011	277.00255	96.22407	622.39581	36.53844	24.95569	77.79948	6.97E-10	9.69E-08	2.33E-08	2.15E-13	6.5E-13	5.13E-13	2.55E-15	6.15E-14	3.4E-15	6.74947E-14	6.975E-10	9.689E-08	2.32526E-08	2.20129E-13	1.0302E-14	1.09873E-13	1.71403E-15
223	571270.6	4178159	0.55, 41781	1.56347	1.13234	1.265	251.98402	83.18585	536.39129	31.498	20.71301	67.04891	6.7E-10	8.43E-08	2E-08	2.07E-13	6.24E-13	4.93E-13	2.45E-15	5.91E-14	3.26E-15	6.48175E-14	6.698E-10	8.4291E-08	2.00438E-08	2.11398E-13	9.89341E-15	1.05515E-13	1.64604E-15
224	571310.6	4178159	0.55, 41781	1.42012	1.03692	1.45126	223.09845	65.85457	360.16353	27.88731	18.21453	45.02044	6.31E-10	6.38E-08	1.68E-08	1.95E-13	5.88E-13	4.65E-13	2.31E-15	5.57E-14	3.08E-15	6.10961E-14	6.313E-10	6.3838E-08	1.68364E-08	1.99261E-13	9.32539E-15	9.94573E-14	1.55153E-15
225	571350.6	4178159	0.55, 41781	1.26306	0.93714	1.42084	212.7442	53.05659	355.96566	26.59303	15.01468	44.49571	5.76E-10	5.73E-08	1.62E-08	1.78E-13	5.37E-13	4.24E-13	2.11E-15	5.09E-14	2.81E-15	5.57872E-14	5.765E-10	5.728E-08	1.61542E-08	1.81946E-13	8.51508E-15	9.08151E-14	1.41672E-15
226	571390.6	4178159	0.55, 41781	1.10199	0.83709	1.24864	185.92823	54.01949	274.01244	23.24103	13.29114	34.25155	5.12E-10	5.12E-08	1.38E-08	1.58E-13	4.77E-13	3.77E-13	1.87E-15	4.52E-14	2.5E-15	4.95767E-14	5.123E-10	5.1155E-08	1.3824E-08	1.61691E-13	7.56713E-15	8.0705E-14	1.259E-15
227	571430.6	4178159	0.55, 41781	0.9418	0.73869	1.04204	159.26436	53.60229	222.79179	21.61583	11.2268	27.84897	4.47E-10	4.64E-08	1.26E-08	1.38E-13	4.16E-13	3.29E-13	1.63E-15	3.94E-14	2.18E-15	4.32312E-14	4.467E-10	4.6365E-08	1.26032E-08	1.40996E-13	6.59859E-15	7.03754E-14	1.09786E-15
228	571470.6	4178159	0.55, 41781	0.79447	0.64516	0.85663	139.92539	51.85557	187.30754	21.06215	9.90602	27.91527	3.85E-10	4.23E-08	1.23E-08	1.19E-13	3.59E-13	2.84E-13	1.41E-15	3.4E-14	1.88E-15	3.72914E-14	3.854E-10	4.2346E-08	1.23298E-08	1.21623E-13	5.69196E-15	6.0706E-14	9.47013E-16
229	571510.6	4178159	0.55, 41781	0.67282	0.56206	0.7111	120.25585	49.92459	159.61818	19.96311	8.50885	26.60303	3.33E-10	3.87E-08	1.17E-08	1.03E-13	3.1E-13	2.45E-13	1.21E-15	2.93E-14	1.62E-15	3.21772E-14	3.325E-10	3.8722E-08	1.16956E-08	1.04944E-13	4.91136E-15	5.23807E-14	8.17139E-16
230	571550.6	4178159	0.55, 41781	0.57423	0.48972	0.59807	110.64777	47.57404	144.95635	18.4413	7.31081	24.15939	2.88E-10	3.62E-08	1.08E-08	8.88E-14	2.68E-13	2.12E-13	1.05E-15	2.54E-14	1.4E-15	2.78449E-14	2.877E-10	3.6245E-08	1.07776E-08	9.08141E-14	4.2501E-15	4.53282E-14	7.07121E-16
231	571590.6	4178159	0.55, 41781	0.49292	0.42713	0.50772	100.4908	44.5532	128.72625	16.74847	6.44552	21.45437	2.5E-10	3.33E-08	9.76E-09	7.7E-14	2.33E-13	1.84E-13	9.12E-16	2.2E-14	1.22E-15	2.41618E-14	2.497E-10	3.3339E-08	9.75738E-09	7.88021E-14	3.68794E-15	3.93326E-14	6.13589E-16
232	570310.6	4178199	0.55, 41781	0.10691	0.07648	0.10208	81.28791	24.55019	79.664	10.16099	3.94128	9.958	4.64E-11	2.02E-08	5.73E-09	1.43E-14	4.32E-14	3.41E-14	1.69E-16	4.09E-15	2.26E-16	4.48645E-15	4.636E-11	2.024E-08	5.72567E-09	1.46322E-14	6.84788E-16	7.30341E-15	1.13933E-16
233	570350.6	4178199	0.55, 41781	0.11881	0.08587	0.11329	92.41038	27.80697	96.15133	11.5513	4.55912	12.01892	5.19E-11	2.33E-08	6.55E-09	1.6E-14	4.84E-14	3.82E-14	1.9E-16	4.58E-15	2.53E-16	5.02314E-15	5.191E-11	2.3317E-08	6.55354E-09	1.63826E-14	7.66706E-16	8.17708E-15	1.27563E-16
234	570390.6	4178199	0.55, 41781	0.13286	0.09703	0.12666	98.9418	30.67703	108.4605	12.36772	5.11284	13.55756	5.85E-11	2.57E-08	7.06E-09	1.81E-14	5.45E-14	4.31E-14	2.14E-16	5.16E-15	2.85E-16	5.66083E-15	5.85E-11	2.5723E-08	7.06029E-09	1.84624E-14	8.6404E-16	9.21517E-15	1.43757E-16
235	570430.6	4178199	0.55, 41781	0.14935	0.11037	0.14231	98.24021	33.47488	112.67373	12.28003	5.57915	14.08422	6.63E-11	2.72E-08	7.05E-09	2.05E-14	6.18E-14	4.88E-14	2.42E-16	5.85E-15	3.23E-16	6.41955E-15	6.634E-11	2.7215E-08	7.04973E-09	2.09369E-14	9.79847E-16	1.04503E-14	1.63024E-16
236	570470.6	4178199	0.55, 41781	0.1686	0.12646	0.16043	107.25905	35.76824	115.05444	13.40738	5.96137	14.38181	7.57E-11	2.89E-08	7.63E-09	2.34E-14	7.05E-14	5.57E-14	2.77E-16	6.68E-15	3.69E-16	7.3269E-15	7.571E-11	2.8857E-08	7.63779E-09	2.38962E-14	1.11834E-15	1.19273E-14	1.86066E-16
237	570510.6	4178199	0.55, 41781	0.19081	0.14598	0.18108	111.923	37.71132	131.96286	13.99038	6.28524	16.49536	8.69E-11	3.1E-08	8.06E-09	2.68E-14	8.1E-14	6.4E-14	3.18E-16	7.67E-15	4.24E-16	8.41388E-15	8.694E-11	3.1042E-08	8.06012E-09	2.74413E-14	1.28425E-15	1.36968E-14	2.1367E-16
238	570550.6	4178199	0.55, 41781	0.21602	0.16987	0.20494	119.57772	40.00549	129.21029	14.94721	6.67621	16.15129	1.01E-10	3.23E-08	8.52E-09	3.1E-14	9.36E-14	7.4E-14	3.67E-16	8.87E-15	4.9E-16	9.72585E-15	1.005E-10	3.2289E-08	8.51799E-09	3.17202E-14	1.4845E-15	1.58325E-14	2.46988E-16
239	570590.6	4178199	0.55, 41781	0.24388	0.19917	0.2325	124.08345	42.52786	147.10165	15.51043	7.78928	18.38771	1.17E-10	3.48E-08	8.94E-09	3.61E-14	1.09E-13	8.6E-14	4.27E-16	1.03E-14	5.69E-16	1.13094E-14	1.169E-10	3.4789E-08	8.9422E-09	3.68849E-14	1.72622E-15	1.84105E-14	2.87203E-16
240	570630.6	4178199	0.55, 41781	0.27242	0.23473	0.26214	135.79301	45.13025	156.31523	16.97413	8.73982	19.5394	1.36E-10	3.71E-08	9.75E-09	4.2E-14	1.27E-13	1E-13	4.98E-16	1.2E-14	6.64E-16	1.31821E-14	1.362E-10	3.714E-08	9.74905E-09	4.29925E-14	2.01205E-15	2.14589E-14	3.34759E-16
241	570670.6	4178199	0.55, 41781	0.29828	0.27729	0.29064	136.89517	48.04336	174.48935	17.44831	9.65486	21.81117	1.59E-10	3.97E-08	1.01E-08	4.89E-14	1.48E-13	1.17E-13	5.79E-16	1.4E-14	7.72E-16	1.53399E-14	1.585E-10	3.9662E-08	1.01309E-08	5.00298E-14	2.3414E-15	2.49715E-14	3.89555E-16
242	570710.6	4178199	0.55, 41781	0.321	0.32818	0.31291	151.98197	52.23375	185.24815	19.68934	11.4382	23.15602	1.84E-10	4.3E-08	1.13E-08	5.68E-14	1.71E-13	1.35E-13	6.72E-16	1.62E-14	8.96E-16	1.78072E-14	1.84E-10	4.2998E-08	1.13397E-08	5.80768E-14	2.718E-15	2.8988E-14	4.52213E-16
243	570750.6	4178199	0.55, 41781	0.34558	0.38955	0.32771	144.14265	57.26085	196.68908	22.53194	13.53855	24.58613	2.14E-10	4.56E-08	1.29E-08	6.6E-14	1.99E-13	1.57E-13	7.81E-16	1.89E-14	1.04E-15	2.06948E-14	2.138E-10	4.5591E-08	1.28555E-08	6.74945E-14	3.15874E-15	3.36886E-14	5.25543E-16
244	570790.6	4178199	0.55, 41781	0.38143	0.46429	0.35275	173.32889	66.95506	241.81218	25.57778	15.36352	36.58263	2.51E-10	5.43E-08	1.51E-08	7.74E-14	2.34E-13	1.85E-13	9.17E-16	2.21E-14	1.22E-15	2.42835E-14	2.509E-10	5.4302E-08	1.51434E-08	7.9199E-14	3.70651E-15	3.95308E-14	6.1668E-16
245	570830.6	4178199	0.55, 41781	0.44289	0.55991	0.39405	200.31972	78.9407	262.23048	28.47462	17.66262	37.4615	3E-10	6.24E-08	1.67E-08	9.25E-14	2.79E-13	2.21E-13	1.1E-15	2.65E-14	1.46E-15	2.90083E-14	2.998E-10	6.2367E-08	1.66514E-08	9.46086E-14	4.42768E-15	4.72222E-14	7.36666E-16
246	570870.6	4178199	0.55, 41781	0.55133	0.6879	0.45528	245.75399	83.68372	263.19795	34.28137	20.83884	36.18743	3.67E-10	6.69E-08	1.95E-08	1.13E-13	3.42E-13	2.7E-13	1.34E-15	3.24E-14	1.79E-15	3.54977E-14	3.668E-10	6.6871E-08	1.94817E-08	1.15773E-13	5.41818E-15	5.7786E-14	9.01462E-16
247	570910.6	4178199	0.55, 41781	0.74216	0.86472	0.57468	353.61381	98.21675	387.24795	44.20173	24.01316	48.40599	4.64E-10	8.68E-08	2.52E-08	1.43E-13	4.32E-13	3.41E-13	1.69E-15	4.09E-14	2.26E-15	4.48778E-14	4.637E-10	8.6761E-08	2.52301E-08	1.46366E-13	6.84992E-15	7.30559E-14	1.13967E-15
248	570950.6	4178199	0.55, 41781	1.08517	1.1274	0.77671	376.11466	111.85514	479.74888	52.74149	29.33795	59.96861	6.12E-10	9.99E-08	3.02E-08	1.89E-13	5.71E-13	4.51E-13	2.24E-15	5.4E-14	2.98E-15	5.92564E-14	6.123E-10	9.9915E-08	3.02448E-08	1.9326E-13	9.04459E-15	9.64625E-14	1.50481E-15
249	570990.6	4178199	0.55, 41781	1.58976	1.56693	1.05873	410.19015	135.68135	559.12982	68.60008	44.06737	76.18548	8.54E-10	1.17E-07	3.92E-08	2.63E-13	7.96E-13	6.28E-13	3.12E-15	7.54E-14	4.16E-15	8.26309E-14	8.539E-10	1.1741E-07	3.92238E-08	2.69495E-13	1.26124E-14	1.34513E-13	2.09841E-15
250	571030.6	4178199	0.55, 41781	2.42958	2.27373	1.377	561.74649	191.25505	728.04918	107.05418	55.40677	100.45619	1.24E-09	1.61E-07	6E-08	3.81E-13	1.15E-12	9.09E-13	4.51E-15	1.09E-13	6.02E-15	1.19528E-13	1.235E-09	1.6086E-07	6.00417E-08	3.89833E-13	1.82442E-14	1.94578E-13	3.03542E-15
251	571070.6	4178199	0.55, 41781	3.58306	3.18041	1.39903	721.18769	259.71405	966.70756	139.44796	73.67892	146.97466	1.7E-09	2.15E-07	7.92E-08	5.26E-13	1.59E-12	1.25E-12	6.22E-15	1.5E-13	8.3E-15	1.64863E-13	1.704E-09	2.1493E-07	7.92306E-08	5.3769E-13	2.51639E-14	2.68378E-13	4.1867E-15
252	571110.6	4178199	0.55, 41781	5.26167	3.22788	1.2956	536.30163	206.72583	1199.13306	116.57539	57.94295	153.9862	1.8E-09	1.96E-07	6.82E-08	5.57E-13	1.68E-12	1.33E-12	6.59E-15	1.59E-13	8.79E-15	1.74541E-13	1.804E-09	1.9642E-07	6.82102E-08	5.69253E-13	2.66411E-14	2.84132E-13	4.43247E-15
253	571150.6	4178199	0.55, 41781	4.55265	2.7214	1.43074	406.82024	165.14744	1078.46551	75.27018	43.84452	138.95995	1.55E-09	1.63E-07	4.65E-08	4.78E-13	1.44E-12	1.14E-12	5.66E-15	1.37E-13	7.54E-15	1.49804E-13	1.548E-09	1.6346E-07	4.65494E-08	4.88575E-13	2.28653E-14	2.43863E-13	3.80427E-15
254	571190.6	4178199	0.55, 41781	3.6655	2.27193	1.9191	348.88414	129.45816	921.59929	55.11772	35.12171	118.18584	1.33E-09	1.34E-07	3.51E-08	4.11E-13	1.24E-12	9.8E-13	4.86E-15	1.17E-13	6.49E-15	1.28846E-13	1.331E-09	1.3449E-07	3.51286E-08	4.20222E-13	1.96664E-14	2.09746E-13	3.27204E-15
255	571230.6	4178199	0.55, 41781	2.99647	1.91661	2.63905	311.11499	100.77545	780.81724	44.29874	28.05958	97.60216	1.18E-09	1.11E-07	2.84E-08	3.65E-13	1.1E-12	8.71E-13	4.32E-15	1.04E-13	5.76E-15	1.14486E-13	1.183E-09	1.1072E-07	2.83991E-08	3.73388E-13	1.74746E-14	1.8637E-13	2.90737E-15
256	571270.6	4178199	0.55, 41781	2.48655	1.63354	2.7833	275.28639	78.6156	563.64868	36.03295	23.70769	70.45609	1.04E-09	8.51E-08	2.25E-08	3.21E-13	9.68E-13	7.65E-13	3.8E-15	9.17E-14	5.06E-15	1.00524E-13	1.039E-09	8.5143E-08	2.25334E-08	3.27853E-13	1.53435E-14	1.63642E-13	2.55281E-15
257	571310.6	4178199	0.55, 41781	2.04979	1.39182	2.36332	251.65063	69.80646	418.93362	31.45633	18.505	52.3667	8.81E-10	7.08E-08	1.91E-08	2.72E-13	8.21E-13	6.48E-13	3.22E-15	7.78E-14	4.29E-15	8.52617E-14	8.811E-10	7.0795E-08	1.90916E-08	2.78075E-13	1.30139E-14	1.38796E-13	2.16522E-15
258	571350.6	4178199	0.55, 41781	1.66907	1.18291	1.84305	207.71058	67.17721	304.96385	28.41822	15.5683	43.42728	7.35E-10	6.02E-08	1.7E-08	2.27E-13	6.84E-13	5.41E-13	2.68E-15	6.48E-14	3.58E-15	7.10892E-14	7.346E-10	6.0152E-08	1.70015E-08	2.31852E-13	1.08507E-14	1.15725E-13	1.80531E-15
259	571390.6	4178199	0.55, 41781	1.33874	0.99933	1.42084	175.53523	63.93291	243.3206	26.80029	13.20173	40.55343	6.08E-10	5.31E-08	1.6E-08	1.88E-13	5.67E-13	4.48E-13	2.22E-15	5.37E-14	2.96E-15	5.88707E-14	6.083E-10	5.3148E-08	1.60081E-08	1.92002E-13	8.98571E-15	9.58345E-14	1.49502E-15
260	571430.6	4178199	0.55, 41781	1.08215	0.84466	1.12094	146.49279	60.30749	207.71024	24.41546	11.02968	34.61837	5.07E-10	4.78E-08	1.44E-08	1.56E-13	4.72E-13	3.73E-13	1.85E-15	4.47E-14	2.47E-15	4.90255E-14	5.066E-10	4.7782E-08	1.44361E-08	1.59893E-13	7.483E-15	7.98078E-14	1.245E-15
261	571470.6	4178199	0.55, 41781	0.88511	0.71494	0.90372	129.54701	55.96987	172.11269	21.59117	9.33698	28.68545	4.24E-10	4.27E-08	1.26E-08	1.31E-13	3.95E-13	3.12E-13	1.55E-15	3.75E-14	2.07E-15	4.10682E-14	4.244E-10	4.271E-08	1.26438E-08	1.33941E-13	6.26844E-15	6.68543E-14	1.04293E-15
262	571510.6	4178199	0.55, 41781	0.73336	0.60746	0.74181	112.64977	51.14316	142.69265	18.77496	8.40942	23.78211	3.58E-10	3.78E-08	1.09E-08	1.1E-13	3.34E-13	2.63E-13	1.31E-15	3.16E-14	1.74E-15	3.46426E-14	3.58E-10	3.7811E-08	1.0921E-08	1.12984E-13	5.28767E-15	5.63941E-14	8.79748E-16
263	571550.6	4178199	0.55, 41781	0.6189	0.52125	0.62191	97.68282	46.08498	120.36205	16.28047	7.59304	20.06034	3.06E-10	3.34E-08	9.43E-09	9.43E-14	2.85E-13	2.25E-13	1.12E-15	2.7E-14	1.49E-15	2.95854E-14	3.057E-10	3.3356E-08	9.43434E-09	9.64908E-14	4.51577E-15	4.81616E-14	7.51322E-16
264	571590.6	4178199	0.55, 41781	0.52714	0.45016	0.52751	84.87826	41.93857	102.67653	14.14638	6.8553	17.11275	2.63E-10	2.97E-08	8.18E-09	8.12E-14	2.45E-13	1.94E-13	9.61E-16	2.32E-14	1.28E-15	2.54556E-14	2.63E-10	2.9717E-08	8.17749E-09	8.30215E-14	3.8854E-15	4.14387E-14	6.46443E-16
265	570310.6	4178239	0.55, 41782	0.10871	0.07725	0.10419	69.36135	22.19632	77.30253	9.49069	3.20395	10.55794	4.69E-11	1.84E-08	5.43E-09	1.45E-14	4.37E-14	3.45E-14	1.71E-16	4.14E-15	2.29E-16	4.54181E-15	4.693E-11	1.8424E-08	5.42767E-09	1.48128E-14	6.93239E-16	7.39354E-15	1.15339E-16
266	570350.6	4178239	0.55, 41782	0.12097	0.08699	0.11543	80.24676	23.95533	77.73127	10.03084	3.79637	10.6184	5.27E-11	1.98E-08	5.7E-09	1.62E-14	4.91E-14	3.88E-14	1.92E-16	4.65E-15	2.57E-16	5.09572E-15	5.266E-11	1.9796E-08	5.70231E-09	1.66193E-14	7.77784E-16	8.29524E-15	1.29406E-16
267	570390.6	4178239	0.55, 41782	0.13576	0.09875	0.129	97.68381	28.15369	96.07123	12.21048	4.56788	12.0089	5.96E-11	2.37E-08	6.88E-09	1.84E-14	5.55E-14	4.38E-14	2.18E-16	5.26E-15	2.9E-16	5.76443E-15	5.957E-11	2.3736E-08	6.88323E-09	1.88003E-14	8.79853E-16	9.38382E-15	1.46388E-16
268	570430.6	4178239	0.55, 41782	0.15369	0.11303	0.14573	112.57412	32.01468	119.02369	14.07177	5.30028	14.87796	6.8E-11	2.77E-08	8E-09	2.1E-14	6.33E-14	5E-14	2.48E-16	6E-15	3.31E-16	6.57784E-15	6.797E-11	2.7687E-08	7.99834E-09	2.14532E-14	1.00401E-15	1.0708E-14	1.67044E-16
269	570470.6	4178239	0.55, 41782	0.17542	0.1305	0.16624	120.86213	35.6675	135.90431	15.10777	5.94458	16.98804	7.82E-11	3.08E-08	8.65E-09	2.41E-14	7.29E-14	5.76E-14	2.86E-16	6.91E-15	3.81E-16	7.57222E-15	7.825E-11	3.0824E-08	8.65156E-09	2.46962E-14	1.15578E-15	1.23267E-14	1.92296E-16
270	570510.6	4178239	0.55, 41782	0.20166	0.15208	0.19089	118.29832	38.86505	139.27939	14.78729	6.47751	17.40992	9.09E-11	3.23E-08	8.52E-09	2.8E-14	8.47E-14	6.69E-14	3.32E-16	8.02E-15	4.43E-16	8.79336E-15	9.087E-11	3.2349E-08	8.51765E-09	2.86789E-14	1.34217E-15	1.43146E-14	2.23307E-16
271	570550.6	4178239	0.55, 41782	0.23297	0.17899	0.21994	134.82021	41.51275	155.81716	16.85253	6.91879	19.47714	1.06E-10	3.54E-08	9.68E-09	3.28E-14	9.92E-14	7.83E-14	3.89E-16	9.39E-15	5.18E-16	1.02988E-14	1.064E-10	3.5429E-08	9.68414E-09	3.35889E-14	1.57196E-15	1.67653E-14	2.61538E-16
272	570590.6	4178239	0.55, 41782	0.26933	0.21289	0.25402	138.182	44.61865	161.93184	17.27275	7.89914	20.24148	1.26E-10	3.74E-08	9.94E-09	3.88E-14	1.17E-13	9.25E-14	4.59E-16	1.11E-14	6.12E-16	1.21648E-14	1.257E-10	3.7387E-08	9.94329E-09	3.96745E-14	1.85677E-15	1.98028E-14	3.08924E-16
273	570630.6	4178239	0.55, 41782	0.31001	0.25571	0.29378	151.57706	47.88426	180.12829	18.94713	9.37801	22.51604	1.5E-10	4.07E-08	1.09E-08	4.62E-14	1.39E-13	1.1E-13	5.46E-16	1.32E-14	7.29E-16	1.44757E-14	1.496E-10	4.0693E-08	1.0927E-08	4.72116E-14	2.2095E-15	2.35648E-14	3.67611E-16
274	570670.6	4178239	0.55, 41782	0.35129	0.30919	0.33746	163.01094	51.1286	193.67566	20.37637	10.66356	24.20946	1.79E-10	4.36E-08	1.18E-08	5.51E-14	1.66E-13	1.31E-13	6.52E-16	1.58E-14	8.7E-16	1.72785E-14	1.785E-10	4.3594E-08	1.17509E-08	5.63527E-14	2.63731E-15	2.81274E-14	4.38788E-16
275	570710.6	4178239	0.55, 41782	0.3879	0.37553	0.37852	161.77129	55.27243	215.9147	21.46966	11.91574	26.98934	2.13E-10	4.68E-08	1.25E-08	6.57E-14	1.98E-13	1.57E-13	7.78E-16	1.88E-14	1.04E-15	2.06031E-14	2.129E-10	4.6809E-08	1.24753E-08	6.71955E-14	3.14475E-15	3.35394E-14	5.23215E-16
276	570750.6	4178239	0.55, 41782	0.41955	0.45853	0.40652	185.09687	61.2613	243.75059	24.33831	15.0229	31.56234	2.54E-10	5.25E-08	1.42E-08	7.83E-14	2.36E-13	1.87E-13	9.27E-16	2.24E-14	1.24E-15	2.45496E-14	2.537E-10	5.2456E-08	1.42036E-08	8.00667E-14	3.74712E-15	3.99639E-14	6.23436E-16
277	570790.6	4178239	0.55, 41782	0.45531	0.56517	0.42739	195.76674	71.16962	229.68596	30.0466	17.67317	35.54387	3.05E-10	5.66E-08	1.73E-08	9.41E-14	2.84E-13	2.24E-13	1.11E-15	2.69E-14	1.49E-15	2.95033E-14	3.049E-10	5.657E-08	1.73179E-08	9.6223E-14	4.50324E-15	4.8028E-14	7.49236E-16
278	570830.6	4178239	0.55, 41782	0.51729	0.70869	0.46924	186.14136	86.93814	313.42291	30.32646	20.0795	44.72862	3.75E-10	6.85E-08	1.8E-08	1.16E-13	3.5E-13	2.76E-13	1.37E-15	3.31E-14	1.83E-15	3.63228E-14	3.753E-10	6.8498E-08	1.80407E-08	1.18464E-13	5.54412E-15	5.91292E-14	9.22415E-16
279	570870.6	4178239	0.55, 41782	0.63421	0.91745	0.53024	225.98347	96.3139	311.28977	37.66391	24.81387	41.34654	4.79E-10	7.46E-08	2.15E-08	1.48E-13	4.46E-13	3.53E-13	1.75E-15	4.23E-14	2.33E-15	4.63743E-14	4.792E-10	7.4609E-08	2.15047E-08	1.51246E-13	7.07833E-15	7.54919E-14	1.17767E-15

280	570910.6	4178239	0.55, 41782	0.85302	1.23442	0.65693	293.13359	117.47886	326.7744	47.06613	30.6738	48.00957	6.41E-10	8.85E-08	2.66E-08	1.98E-13	5.97E-13	4.72E-13	2.34E-15	5.66E-14	3.12E-15	6.20479E-14	6.412E-10	8.8536E-08	2.6641E-08	2.02365E-13	9.47066E-15	1.01007E-13	1.5757E-15
281	570950.6	4178239	0.55, 41782	1.35023	1.79208	0.88884	455.80102	142.22416	478.03953	68.40553	39.86266	68.50221	9.32E-10	1.18E-07	3.86E-08	2.88E-13	8.69E-13	6.86E-13	3.41E-15	8.23E-14	4.54E-15	9.02296E-14	9.324E-10	1.1753E-07	3.8639E-08	2.94277E-13	1.37722E-14	1.46883E-13	2.29138E-15
282	570990.6	4178239	0.55, 41782	3.0182	3.06414	1.32054	885.93977	193.04223	771.54657	147.1874	58.20401	96.44332	1.62E-09	1.81E-07	7.99E-08	4.99E-13	1.51E-12	1.19E-12	5.91E-15	1.43E-13	7.88E-15	1.56538E-13	1.618E-09	1.8087E-07	7.99073E-08	5.10537E-13	2.38932E-14	2.54826E-13	3.97528E-15
283	571030.6	4178239	0.55, 41782	7.70332	4.46365	2.30139	679.65913	243.63294	1123.21669	144.28562	71.78775	156.8655	2.55E-09	2.16E-07	8.23E-08	7.86E-13	2.37E-12	1.88E-12	9.31E-15	2.25E-13	1.24E-14	2.4659E-13	2.548E-09	2.1551E-07	8.2285E-08	8.04235E-13	3.76382E-14	4.01419E-13	6.26214E-15
284	571110.6	4178239	0.55, 41782	48.37684	13.76668	3.52906	1082.14109	288.2044	2417.61379	441.33003	115.9324	328.07057	8.88E-09	3.38E-07	2.42E-07	2.74E-12	8.28E-12	6.54E-12	3.24E-14	7.84E-13	4.33E-14	8.59507E-13	8.882E-09	3.3811E-07	2.42063E-07	2.80322E-12	1.31191E-13	1.39918E-12	2.18272E-14
285	571150.6	4178239	0.55, 41782	14.38318	6.22649	4.84511	550.93904	192.81003	1871.63269	147.46183	59.89562	339.77194	3.84E-09	2.34E-07	9.55E-08	1.19E-12	3.58E-12	2.83E-12	1.4E-14	3.39E-13	1.87E-14	3.71873E-13	3.843E-09	2.3355E-07	9.54785E-08	1.21284E-12	5.67607E-14	6.05365E-13	9.44369E-15
286	571190.6	4178239	0.55, 41782	8.08563	4.10425	7.76231	423.01159	138.20819	1326.9025	88.76631	43.45879	203.98194	2.75E-09	1.68E-07	5.74E-08	8.49E-13	2.56E-12	2.03E-12	1.01E-14	2.43E-13	1.34E-14	2.66314E-13	2.752E-09	1.679E-07	5.74396E-08	8.68565E-13	4.06489E-14	4.33529E-13	6.76305E-15
287	571230.6	4178239	0.55, 41782	5.48613	3.01374	6.36519	364.79857	99.98669	820.37732	64.1708	32.88659	114.5851	2.04E-09	1.16E-07	3.94E-08	6.3E-13	1.9E-12	1.5E-12	7.45E-15	1.8E-13	9.94E-15	1.97423E-13	2.04E-09	1.156E-07	3.94389E-08	6.4388E-13	3.01336E-14	3.21381E-13	5.01354E-15
288	571270.6	4178239	0.55, 41782	3.91656	2.30583	4.21608	308.69657	91.16262	501.73471	42.97299	25.31404	83.35946	1.51E-09	8.86E-08	2.68E-08	4.64E-13	1.4E-12	1.11E-12	5.5E-15	1.33E-13	7.33E-15	1.45656E-13	1.505E-09	8.8564E-08	2.68311E-08	4.75046E-13	2.22322E-14	2.37111E-13	3.69893E-15
289	571310.6	4178239	0.55, 41782	2.81911	1.80691	2.86031	238.76095	82.99282	368.88984	36.57222	19.65898	61.48164	1.14E-09	7.29E-08	2.22E-08	3.51E-13	1.06E-12	8.38E-13	4.16E-15	1E-13	5.55E-15	1.1019E-13	1.139E-09	7.2909E-08	2.22345E-08	3.59376E-13	1.68188E-14	1.79376E-13	2.79827E-15
290	571350.6	4178239	0.55, 41782	2.07392	1.43877	2.07081	186.98174	75.01218	257.12826	31.16362	15.62493	42.85471	8.85E-10	5.96E-08	1.83E-08	2.73E-13	8.24E-13	6.51E-13	3.23E-15	7.81E-14	4.31E-15	8.5632E-14	8.849E-10	5.9597E-08	1.83416E-08	2.79283E-13	1.30704E-14	1.39399E-13	2.17462E-15
291	571390.6	4178239	0.55, 41782	1.57003	1.1589	1.56847	153.36435	67.14235	200.39228	25.56072	13.28221	31.13336	7.01E-10	5.07E-08	1.48E-08	2.16E-13	6.53E-13	5.16E-13	2.56E-15	6.19E-14	3.42E-15	6.78706E-14	7.013E-10	5.0746E-08	1.47892E-08	2.21355E-13	1.03594E-14	1.10485E-13	1.72357E-15
292	571430.6	4178239	0.55, 41782	1.23548	0.94866	1.2378	124.99719	59.46648	164.5542	20.83286	11.6734	24.18073	5.69E-10	4.36E-08	1.2E-08	1.75E-13	5.3E-13	4.19E-13	2.08E-15	5.02E-14	2.77E-15	5.50307E-14	5.687E-10	4.3575E-08	1.1978E-08	1.79478E-13	8.39959E-15	8.95834E-14	1.3975E-15
293	571470.6	4178239	0.55, 41782	0.99131	0.7845	0.9961	109.3041	54.21436	142.14876	17.2339	10.26711	19.9293	4.67E-10	3.9E-08	9.9E-09	1.44E-13	4.35E-13	3.44E-13	1.71E-15	4.12E-14	2.27E-15	4.51899E-14	4.67E-10	3.8991E-08	9.90401E-09	1.47384E-13	6.89756E-15	7.35639E-14	1.1476E-15
294	571510.6	4178239	0.55, 41782	0.81688	0.65976	0.82266	100.30585	50.40167	129.05875	14.55844	9.03737	16.96469	3.91E-10	3.6E-08	8.37E-09	1.21E-13	3.64E-13	2.88E-13	1.43E-15	3.45E-14	1.9E-15	3.78295E-14	3.909E-10	3.5986E-08	8.37468E-09	1.23378E-13	5.77411E-15	6.15821E-14	9.6068E-16
295	571550.6	4178239	0.55, 41782	0.68618	0.56281	0.69258	92.19218	46.80105	116.817	12.52836	7.96128	14.60636	3.32E-10	3.32E-08	7.21E-09	1.03E-13	3.1E-13	2.45E-13	1.21E-15	2.93E-14	1.62E-15	3.21618E-14	3.323E-10	3.3176E-08	7.20734E-09	1.04893E-13	4.90901E-15	5.23557E-14	8.16748E-16
296	571590.6	4178239	0.55, 41782	0.57854	0.48285	0.58537	84.94405	43.3686	105.85184	10.89629	7.01254	13.23148	2.84E-10	3.06E-08	6.3E-09	8.77E-14	2.65E-13	2.09E-13	1.04E-15	2.51E-14	1.38E-15	2.74885E-14	2.841E-10	3.0566E-08	6.30193E-09	8.96519E-14	4.19571E-15	4.47481E-14	6.98071E-16
297	570310.6	4178279	0.55, 41782	0.11004	0.07807	0.10589	74.04292	22.79319	77.67346	10.17864	3.64675	10.70288	4.75E-11	1.9E-08	5.78E-09	1.47E-14	4.42E-14	3.49E-14	1.73E-16	4.19E-15	2.31E-16	4.59454E-15	4.748E-11	1.8954E-08	5.78176E-09	1.49847E-14	7.01286E-16	7.47937E-15	1.16678E-16
298	570350.6	4178279	0.55, 41782	0.12249	0.08802	0.11726	80.9847	23.74961	88.18196	11.08549	3.81596	12.05595	5.33E-11	2.04E-08	6.32E-09	1.65E-14	4.97E-14	3.92E-14	1.95E-16	4.7E-15	2.6E-16	5.15933E-15	5.331E-11	2.0404E-08	6.32222E-09	1.68268E-14	7.87493E-16	8.39878E-15	1.31021E-16
299	570390.6	4178279	0.55, 41782	0.13757	0.10016	0.13084	86.03589	24.80698	96.47388	11.74551	4.00404	13.13274	6.04E-11	2.17E-08	6.72E-09	1.86E-14	5.63E-14	4.45E-14	2.21E-16	5.33E-15	2.94E-16	5.8461E-15	6.041E-11	2.1662E-08	6.72141E-09	1.90666E-14	8.92318E-16	9.51676E-15	1.48461E-16
300	570430.6	4178279	0.55, 41782	0.15607	0.11514	0.14747	96.31741	27.84204	100.58043	12.03968	4.46456	13.6645	6.92E-11	2.38E-08	6.9E-09	2.13E-14	6.44E-14	5.09E-14	2.53E-16	6.1E-15	3.37E-16	6.69222E-15	6.915E-11	2.3812E-08	6.90261E-09	2.18262E-14	1.02147E-15	1.08941E-14	1.69949E-16
301	570470.6	4178279	0.55, 41782	0.17907	0.13378	0.16835	120.52086	33.01708	119.41006	15.06511	5.41696	14.92626	8E-11	2.86E-08	8.5E-09	2.47E-14	7.46E-14	5.89E-14	2.92E-16	7.06E-15	3.9E-16	7.74612E-15	8.004E-11	2.8567E-08	8.4994E-09	2.52634E-14	1.18233E-15	1.26098E-14	1.96712E-16
302	570510.6	4178279	0.55, 41782	0.20795	0.15724	0.19497	141.57577	37.85068	153.41811	17.69697	6.30845	19.17726	9.38E-11	3.4E-08	1.01E-08	2.89E-14	8.74E-14	6.9E-14	3.43E-16	8.27E-15	4.57E-16	9.0743E-15	9.377E-11	3.397E-08	1.00885E-08	2.95952E-14	1.38505E-15	1.47719E-14	2.30441E-16
303	570550.6	4178279	0.55, 41782	0.24435	0.18714	0.22876	153.17347	42.50173	177.88461	19.14668	7.08362	22.23558	1.11E-10	3.82E-08	1.1E-08	3.43E-14	1.04E-13	8.19E-14	4.06E-16	9.82E-15	5.42E-16	1.07642E-14	1.112E-10	3.8206E-08	1.10092E-08	3.51068E-14	1.643E-15	1.75229E-14	2.73357E-16
304	570590.6	4178279	0.55, 41782	0.28993	0.22577	0.27077	157.86485	46.41285	177.78268	19.73311	7.73548	22.22284	1.34E-10	4.02E-08	1.13E-08	4.12E-14	1.24E-13	9.83E-14	4.88E-16	1.18E-14	6.51E-16	1.29304E-14	1.336E-10	4.02E-08	1.13024E-08	4.21714E-14	1.97362E-15	2.10491E-14	3.28366E-16
305	570630.6	4178279	0.55, 41782	0.34541	0.27631	0.32199	169.89337	50.77009	212.69617	21.23667	9.57894	26.58702	1.62E-10	4.5E-08	1.23E-08	5.01E-14	1.51E-13	1.2E-13	5.94E-16	1.43E-14	7.91E-16	1.5721E-14	1.625E-10	4.4988E-08	1.2333E-08	5.12728E-14	2.39957E-15	2.55919E-14	3.99234E-16
306	570670.6	4178279	0.55, 41782	0.40869	0.34273	0.38328	189.16159	55.36754	226.13934	23.6452	11.64813	28.26742	1.99E-10	4.89E-08	1.36E-08	6.16E-14	1.86E-13	1.47E-13	7.29E-16	1.76E-14	9.72E-16	1.93042E-14	1.995E-10	4.889E-08	1.36471E-08	6.29591E-14	2.94649E-15	3.14249E-14	4.90228E-16
307	570710.6	4178279	0.55, 41782	0.47241	0.42944	0.45188	202.37611	59.97812	249.97635	25.29701	13.4468	31.24704	2.46E-10	5.31E-08	1.47E-08	7.6E-14	2.29E-13	1.81E-13	8.99E-16	2.17E-14	1.2E-15	2.38191E-14	2.461E-10	5.315E-08	1.46642E-08	7.76843E-14	3.63562E-15	3.87747E-14	6.04885E-16
308	570750.6	4178279	0.55, 41782	0.52143	0.53099	0.51003	207.36077	66.44988	280.46815	28.38204	16.35494	35.05852	2.98E-10	5.83E-08	1.65E-08	9.2E-14	2.78E-13	2.19E-13	1.09E-15	2.63E-14	1.45E-15	2.88448E-14	2.981E-10	5.8253E-08	1.64526E-08	9.40753E-14	4.40273E-15	4.6956E-14	7.32514E-16
309	570790.6	4178279	0.55, 41782	0.56782	0.69623	0.54766	217.33897	75.80804	318.83899	33.24185	20.36018	42.96761	3.77E-10	6.54E-08	1.94E-08	1.16E-13	3.52E-13	2.78E-13	1.38E-15	3.33E-14	1.84E-15	3.65089E-14	3.773E-10	6.541E-08	1.93906E-08	1.19071E-13	5.57253E-15	5.94322E-14	9.27142E-16
310	570830.6	4178279	0.55, 41782	0.62461	0.91706	0.58168	236.67869	94.57659	403.572	34.09074	24.90976	60.93237	4.82E-10	8.02E-08	2.1E-08	1.49E-13	4.49E-13	3.55E-13	1.76E-15	4.25E-14	2.35E-15	4.66259E-14	4.818E-10	8.0222E-08	2.09556E-08	1.52067E-13	7.11673E-15	7.59015E-14	1.18406E-15
311	570870.6	4178279	0.55, 41782	0.74364	1.27032	0.64347	232.57719	121.10786	430.4482	38.76287	29.17824	53.80602	6.51E-10	9.37E-08	2.28E-08	2.01E-13	6.07E-13	4.79E-13	2.38E-15	5.74E-14	3.17E-15	6.29936E-14	6.509E-10	9.3674E-08	2.28459E-08	2.05449E-13	9.61501E-15	1.02546E-13	1.59972E-15
312	570910.6	4178279	0.55, 41782	0.98087	1.94043	0.78377	289.58181	139.00222	423.1545	48.26363	45.30681	59.61258	9.74E-10	1.04E-07	2.8E-08	3.01E-13	9.07E-13	7.17E-13	3.56E-15	8.59E-14	4.74E-15	9.42398E-14	9.738E-10	1.0417E-07	2.79773E-08	3.07356E-13	1.43843E-14	1.53411E-13	2.39322E-15
313	570950.6	4178279	0.55, 41782	1.54705	3.33468	1.05206	380.89662	209.14004	464.4183	63.48277	60.99964	77.40305	1.65E-09	1.43E-07	3.67E-08	5.08E-13	1.54E-12	1.21E-12	6.02E-15	1.45E-13	8.03E-15	1.59463E-13	1.648E-09	1.4302E-07	3.67356E-08	5.20077E-13	2.43396E-14	2.59587E-13	4.04956E-15
314	571150.6	4178279	0.55, 41782	125.5821	15.27099	61.53709	2183.625	235.47088	4321.7852	1020.3296	115.3363	966.08792	1.72E-08	4.91E-07	5.73E-07	5.29E-12	1.6E-11	1.26E-11	6.27E-14	1.51E-12	8.36E-14	1.66026E-12	1.716E-08	4.9102E-07	5.72803E-07	5.41482E-12	2.53414E-13	2.70271E-12	4.21623E-14
315	571190.6	4178279	0.55, 41782	19.14498	7.50998	20.68123	704.1647	157.76938	1300.13062	186.41477	61.8786	262.75525	5.67E-09	1.89E-07	1.1E-07	1.75E-12	5.28E-12	4.17E-12	2.07E-14	5E-13	2.76E-14	5.48423E-13	5.667E-09	1.8928E-07	1.10122E-07	1.78864E-12	8.37085E-14	8.92769E-13	1.39272E-14
316	571230.6	4178279	0.55, 41782	9.41744	4.44398	9.68706	418.2482	120.63814	710.71948	87.01567	39.51148	138.35634	3.09E-09	1.21E-07	5.24E-08	9.55E-13	2.88E-12	2.28E-12	1.13E-14	2.73E-13	1.51E-14	2.99482E-13	3.095E-09	1.2066E-07	5.23995E-08	9.7674E-13	4.57114E-14	4.87522E-13	7.60534E-15
317	571270.6	4178279	0.55, 41782	5.33507	3.02277	5.65407	265.61255	99.06709	486.13138	58.88721	29.56115	89.94232	1.99E-09	8.9E-08	3.52E-08	6.14E-13	1.86E-12	1.47E-12	7.28E-15	1.76E-13	9.7E-15	1.9271E-13	1.991E-09	8.895E-08	3.5227E-08	6.28509E-13	2.94142E-14	3.13709E-13	4.89386E-15
318	571310.6	4178279	0.55, 41782	3.44949	2.20529	3.73581	197.38222	83.78037	349.19747	42.40574	23.44903	62.97539	1.41E-09	6.99E-08	2.53E-08	4.34E-13	1.31E-12	1.03E-12	5.14E-15	1.24E-13	6.85E-15	1.3603E-13	1.406E-09	6.9915E-08	2.52538E-08	4.43653E-13	2.0763E-14	2.21442E-13	3.45449E-15
319	571350.6	4178279	0.55, 41782	2.42474	1.67304	2.63741	164.77993	74.08708	262.11907	31.82391	19.20475	45.98547	1.04E-09	5.84E-08	1.89E-08	3.22E-13	9.73E-13	7.68E-13	3.81E-15	9.21E-14	5.09E-15	1.01048E-13	1.044E-09	5.837E-08	1.88712E-08	3.2956E-13	1.54234E-14	1.64494E-13	2.56611E-15
320	571390.6	4178279	0.55, 41782	1.80332	1.30805	1.94946	139.62437	66.18564	204.22507	24.75802	16.07748	34.84377	8.05E-10	4.99E-08	1.46E-08	2.48E-13	7.5E-13	5.92E-13	2.94E-15	7.1E-14	3.92E-15	7.78583E-14	8.046E-10	4.9861E-08	1.46221E-08	2.53929E-13	1.18839E-14	1.26744E-13	1.97721E-15
321	571430.6	4178279	0.55, 41782	1.38872	1.04688	1.49158	120.07885	59.47148	164.54693	19.78612	13.66223	27.17412	6.37E-10	4.33E-08	1.16E-08	1.97E-13	5.93E-13	4.69E-13	2.33E-15	5.62E-14	3.1E-15	6.16237E-14	6.368E-10	4.3327E-08	1.1643E-08	2.00981E-13	9.40592E-15	1.00316E-13	1.56493E-15
322	571470.6	4178279	0.55, 41782	1.11171	0.86066	1.18684	104.95004	53.66694	136.91558	16.34545	11.81303	21.87493	5.19E-10	3.82E-08	9.58E-09	1.6E-13	4.84E-13	3.82E-13	1.9E-15	4.58E-14	2.53E-15	5.02729E-14	5.195E-10	3.8191E-08	9.58201E-09	1.63961E-13	7.67339E-15	8.18383E-14	1.27668E-15
323	571510.6	4178279	0.55, 41782	0.90331	0.71725	0.95952	92.95227	48.50847	116.77816	13.70064	10.27697	17.93941	4.3E-10	3.4E-08	8.01E-09	1.33E-13	4.01E-13	3.16E-13	1.57E-15	3.79E-14	2.09E-15	4.16008E-14	4.299E-10	3.3981E-08	8.00645E-09	1.35678E-13	6.34974E-15	6.77213E-14	1.05645E-15
324	571550.6	4178279	0.55, 41782	0.74685	0.60641	0.79002	83.35854	43.88956	102.16829	11.6678	9.00306	14.97338	3.61E-10	3.05E-08	6.8E-09	1.11E-13	3.37E-13	2.66E-13	1.32E-15	3.19E-14	1.76E-15	3.4959E-14	3.612E-10	3.0486E-08	6.79919E-09	1.14016E-13	5.33596E-15	5.69091E-14	8.87783E-16
325	571590.6	4178279	0.55, 41782	0.63093	0.52161	0.66513	75.57295	41.1264	91.05382	10.11638	7.96472	12.7323	3.09E-10	2.81E-08	5.88E-09	9.54E-14	2.88E-13	2.28E-13	1.13E-15	2.73E-14	1.51E-15	2.99255E-14	3.092E-10	2.8141E-08	5.87927E-09	9.75999E-14	4.56767E-15	4.87152E-14	7.59957E-16
326	570310.6	4178319	0.55, 41783	0.1112	0.07908	0.10686	65.67409	25.12162	71.57917	10.72274	3.92383	11.92986	4.81E-11	1.92E-08	6.13E-09	1.48E-14	4.48E-14	3.54E-14	1.76E-16	4.24E-15	2.34E-16	4.65023E-15	4.805E-11	1.9192E-08	6.13236E-09	1.51664E-14	7.09787E-16	7.57003E-15	1.18092E-16
327	570350.6	4178319	0.55, 41783	0.12381	0.08915	0.11863	72.99363	26.3644	78.028	10.96785	4.13077	12.26515	5.4E-11	2.05E-08	6.28E-09	1.67E-14	5.03E-14	3.97E-14	1.97E-16	4.76E-15	2.63E-16	5.22349E-15	5.398E-11	2.0533E-08	6.27651E-09	1.7036E-14	7.97287E-16	8.50324E-15	1.3265E-16
328	570390.6	4178319	0.55, 41783	0.13907	0.1015	0.13256	85.61577	27.73961	87.79758	11.84211	4.3586	12.34233	6.12E-11	2.24E-08	6.72E-09	1.89E-14	5.7E-14	4.5E-14	2.24E-16	5.4E-15	2.98E-16	5.92245E-15	6.12E-11	2.2412E-08	6.7197E-09	1.93156E-14	9.03972E-16	9.64106E-15	1.504E-16
329	570430.6	4178319	0.55, 41783	0.15783	0.11689	0.14946	97.99246	29.27563	105.83642	13.47747	4.61214	14.5399	7.02E-11	2.49E-08	7.68E-09	2.16E-14	6.54E-14	5.16E-14	2.56E-16	6.19E-15	3.42E-16	6.78938E-15	7.016E-11	2.4877E-08	7.67895E-09	2.21431E-14	1.0363E-15	1.10523E-14	1.72416E-16
330	570470.6	4178319	0.55, 41783	0.18134	0.13633	0.17027	108.90086	31.01454	122.78	14.92794	4.89871	16.74752	8.14E-11	2.73E-08	8.55E-09	2.51E-14	7.59E-14	5.99E-14	2.97E-16	7.19E-15	3.97E-16	7.88024E-15	8.143E-11	2.7288E-08	8.54615E-09	2.57008E-14	1.2028E-15	1.28281E-14	2.00118E-16
331	570510.6	4178319	0.55, 41783	0.21129	0.16124	0.19656	118.40452	33.29424	135.32696	15.9306	5.40834	18.39398	9.58E-11	2.96E-08	9.15E-09	2.96E-14	8.93E-14	7.05E-14	3.5E-16	8.46E-15	4.67E-16	9.27488E-15	9.584E-11	2.9594E-08	9.15324E-09	3.02493E-14	1.41567E-15	1.50984E-14	2.35535E-16
332	570550.6	4178319	0.55, 41783	0.2503	0.19368	0.23096	153.9338	39.94632	153.89508	19.24172	6.62991	19.23689	1.15E-10	3.56E-08	1.09E-08	3.54E-14	1.07E-13	8.44E-14	4.19E-16	1.01E-14	5.58E-16	1.10921E-14	1.146E-10	3.5571E-08	1.08667E-08	3.61762E-14	1.69304E-15	1.80567E-14	2.81684E-16
333	570590.6	4178319	0.55, 41783	0.30196	0.23671	0.27701	186.54438	46.61587	209.37606	23.31805	7.76931	26.17201	1.4E-10	4.38E-08	1.34E-08	4.31E-14	1.3E-13	1.03E-13	5.1E-16	1.23E-14	6.8E-16	1.35048E-14	1.396E-10	4.375E-08	1.33502E-08	4.40449E-14	2.0613E-15	2.19842E-14	3.42953E-16
334	570630.6	4178319	0.55, 41783	0.37105	0.29503	0.3391	205.0145	52.79857	247.59232	25.62681	8.79976	30.94904	1.73E-10	4.99E-08	1.48E-08	5.35E-14	1.61E-13	1.28E-13	6.33E-16	1.53E-14	8.44E-16	1.67682E-14	1.733E-10	4.9897E-08	1.48106E-08	5.46882E-14	2.55941E-15	2.72966E-14	4.25828E-16
335	570670.6	4178319	0.55, 41783	0.462	0.37572	0.42024	218.45656	59.57781	273.51496	27.30707	11.98561	34.18937	2.19E-10	5.53E-08	1.59E-08	6.77E-14	2.04E-13	1.61E-13	8.02E-16	1.94E-14	1.07E-15	2.12313E-14	2.194E-10	5.5278E-08	1.58585E-08	6.92444E-14	3.24064E-15	3.45621E-14	5.39169E-16
336	570710.6	4178319	0.55, 41783	0.57218	0.48827	0.5224	242.44958	66.62286	291.17197	30.3062	15.15553	36.3965	2.82E-10	6.08E-08	1.75E-08	8.71E-14	2.63E-13	2.08E-13	1.03E-15	2.49E-14	1.37E-15	2.73071E-14	2.822E-10	6.079E-08	1.75021E-08	8.90603E-14	4.16802E-15	4.44528E-14	6.93464E-16
337	570750.6	4178319	0.55, 41783	0.67767	0.63416	0.63666	262.41203	72.71034	341.04886	32.8015	17.84948	42.63111	3.61E-10	6.77E-08	1.91E-08	1.11E-13	3.36E-13	2.65E-13	1.32E-15	3.18E-14	1.76E-15	3.4888E-14	3.605E-10	6.771E-08	1.91485E-08	1.13785E-13	5.32513E-15	5.67936E-14	8.8598E-16
338	570790.6	4178319	0.55, 41783	0.76041	0.85502	0.73352	285.66779	86.45349	381.79277	42.9347	23.67926	50.68659	4.7E-10	7.77E-08	2.47E-08	1.45E-13	4.38E-13	3.46E-13	1.72E-15	4.15E-14	2.29E-15	4.55194E-14	4.704E-10	7.7667E-08	2.47396E-08	1.48458E-13	6.94785E-15	7.41003E-14	1.15596E-15
339	570830.6	4178319	0.55, 41783	0.82107	1.23378	0.77266	302.59427	109.05103	424.78874	45.07728	29.79255	65.49858	6.47E-10	9.14E-08	2.68E-08	2E-13	6.02E-13	4.76E-13	2.36E-15	5.71E-14	3.15E-15	6.25734E-14	6.466E-10	9.1435E-08	2.67532E-08	2.04079E-13	9.55088E-15	1.01862E-13	1.58905E-15
340	570870.6	4178319	0.55, 41783	0.93174	1.8881	0.81484	263.71888	150.69846	583.61	37.23183	42.82711	79.94464	9.5E-10	1.18E-07	2.37E-08	2.93E-13	8.85E-13	6.99E-13	3.47E-15	8.38E-14	4.63E-15	9.19074E-14	9.497E-10	1.183E-07	2.37363E-08	2.99749E-13	1.40283E-14	1.49614E-13	2.33399E-15
341	570910.6	4178319	0.55, 41783	1.19482	3.5981	0.94641	225.26352	195.84246	582.08496	37.31993	59.22953	72.76062	1.74E-09	1.37E-07	2.33E-08	5.38E-13	1.62E-12	1.28E-12	6.36E-15	1.54E-13	8.49E-15	1.68571E-13	1.742E-09	1.366E-07	2.33248E-08	5.49784E-13	2.57299E-14	2.74415E-13	4.28087E-15
342	571190.6	4178319	0.55, 41783	29.13102	9.74239	24.19825	1204.46355	192.40018	1781.17361	337.10397	86.14095	400.692	7.4E-09	2.61E-07	1.94E-07	2.28E-12	6.9E-12	5.45E-12	2.7E-14	6.53E-13	3.61E-14	7.1639E-13	7.403E-09	2.6078E-07	1.94417E-07	2.33645E-12	1.09346E-13	1.1662E-12	1.81927E-14
343	571230.6	4178319	0.55, 41783	10.45163	5.25398	11.58574	479.33008	117.37647	725.29291	126.19986	44.06446	185.38424	3.63E-09	1.23E-07	7.5E-08	1.12E-12	3.38E-12	2.67E-12	1.33E-14	3.21E-13	1.77E-14	3.51535E-13	3.633E-09	1.2321E-07	7.50268E-08	1.1465E-12	5.36564E-14	5.72257E-13	8.92721E-15
344	571270.6	4178319	0.55, 41783	5.72808	3.4301	6.64009	292.22118	96.9874	479.91721	63.79547	33.00222	105.59121	2.26E-09	8.9E-08	3.87E-08	6.97E-13	2.1E-12	1.66E-12	8.25E-15	1.99E-13	1.1E-14	2.18454E-13	2.257E-09	8.8969E-08	3.86802E-08	7.1247E-13	3.33436E-14	3.55617E-13	5.54762E-15
345	571310.6	4178319	0.55, 41783	3.67711	2.43151	4.23514	175.48484	83.52768	339.71763	43.52526	25.92364	69.01312	1.55E-09	6.81E-08	2.62E-08	4.79E-13	1.44E-12	1.14E-12	5.67E-15	1.37E-13	7.55E-15	1.50077E-13	1.551E-09	6.8089E-08	2.6198E-08	4.89466E-13	2.2907E-14	2.44308E-13	3.81121E-15
346	571350.6	4178319	0.55, 41783	2.57847	1.81872	2.91777	135.74456	73.58424	245.66728	31.86463	21.08438	47.561	1.14E-09	5.56E-08	1.9E-08	3.5E-13	1.06E-12	8.36E-13	4.15E-15	1E-13	5.53E-15	1.09876E-13	1.135E-09	5.5626E-08	1.89915E-08	3.58352E-13	1.67709E-14	1.78865E-13	2.79029E-15
347	571390.6	4178319	0.55, 41783	1.91038	1.41202	2.12389	114.67965	65.84745	189.40245	24.95277	17.54375	35.6451	8.68E-10	4.75E-08	1.48E-08	2.68E-13	8.09E-13	6.39E-13	3.17E-15	7.66E-14	4.23E-15	8.39883E-14	8.679E-10	4.7503E-08	1.47706E-08	2.73922E-13	1.28195E-14	1.36723E-13	2.13288E-15
348	571430.6	4178319	0.55, 41783	1.47151	1.12853	1.61377	100.57811	59.61061	161.57422	20.18585	14.84739	27.57311	6.86E-10	4.22E-08	1.19E-08	2.12E-13	6.39E-13	5.05E-13	2.5E-15	6.05E-14	3.34E-15	6.63406E-14	6.855E-10	4.2212E-08	1.18688E-08	2.16365E-13	1.01259E-14	1.07995E-13	1.68472E-15
349	571470.6	4178319	0.55, 41783	1.16585	0.92218	1.2649	90.09229	54.43044	139.38169	16.69193	12.71837	21.87498	5.55E-10	3.79E-08	9.76E-09	1.71E-13	5.17E-13	4.08E-13	2.03E-15	4.9E-14	2.7E-15	5.37004E-14	5.549E-10	3.7938E-08	9.75571E-09	1.7514E-13	8.19655E-15	8.7418E-14	1.36372E-15
350	571510.6	4178319	0.55, 41783	0.94595	0.76805	1.01773	81.52103	50.05282	121.69	14.06823	11.00608	17.76049	4.59E-10	3.44E-08	8.18E-09	1.42E-13	4.27E-13	3.38E-13	1.68E-15	4.05E-14	2.23E-15	4.43827E-14	4.586E-10	3.4408E-08	8.17939E-09	1.44751E-13	6.77434E-15	7.22498E-14	1.1271E-15
351	571550.6	4178319	0.55, 41783	0.78212	0.64956	0.83556	74.38547	46.28731	107.35752	12.02264	9.59923	14.66288	3.85E-10	3.14E-08	6.96E-09	1.19E-13	3.59E-13	2.84E-13	1.41E-15	3.4E-14	1.88E-15	3.72933E-14	3.854E-10	3.1441E-08	6.95739E-09	1.21629E-13	5.69225E-15	6.07091E-14	9.47061E-16
352	571590.6	4178319	0.55, 41783	0.65442	0.55508	0.69496	68.29245	42.98116	95.34122	10.3334	8.40789	12.26582	3.27E-10	2.89E-08	5.96E-09	1.01E-13	3.05E-13	2.41E-13	1.2E-15	2.89E-14	1.59E-15	3.16834E-14	3.274E-10	2.8879E-08	5.95848E-09	1.03333E-13	4.83599E-15	5.15769E-14	8.04599E-16
353	570310.6	4178359	0.55, 41783	0.11229	0.07993	0.10794	69.29068	26.58817	75.81746	11.54845	4.0095	12.46153	4.86E-11	2.03E-08	6.58E-09	1.5E-14	4.52E-14	3.57E-14	1.77E-16	4.29E-15	2.37E-16	4.69927E-15	4.856E-11	2.0305E-08	6.58004E-09	1.53263E-14	7.17273E-16	7.64987E-15	1.19338E-16
354	570350.6	4178359	0.55, 41783	0.12531	0.09043	0.1201	75.30937	28.06345	82.61098	12.55156	4.25756	13.7685	5.47E-11	2.17E-08	7.17E-09	1.69E-14	5.1E-14	4.03E-14	2E-16	4.83E-15	2.67E-16	5.2957E-15	5.472E-11	2.1706E-08	7.16583E-09	1.72715E-14	8.08308E-16	8.62077E-15	1.34484E-16
355	570390.6	4178359	0.55, 41783	0.14084	0.10296	0.13441	81.29058	29.71471	90.82388	13.54843	4.53386	15.13731	6.21E-11	2.33E-08	7.75E-09	1.92E-14	5.78E-14	4.57E-14	2.27E-16	5.48E-15	3.02E-16	6.00616E-15	6.206E-11	2.3275E-08	7.75242E-09	1.95887E-14	9.16749E-16	9.77733E-15	1.52526E-16
356	570430.6	4178359	0.55, 41783	0.15989	0.11858	0.15186	87.11605	31.54887	98.44842	14.51934	4.83992	16.40807	7.12E-11	2.49E-08	8.32E-09	2.2E-14	6.63E-14	5.24E-14	2.6E-16	6.28E-15	3.47E-16	6.88792E-15	7.118E-11	2.488E-08	8.31977E-09	2.24645E-14	1.05134E-15	1.12127E-14	1.74919E-16
357	570470.6	4178359	0.55, 41783	0.18374	0.13844	0.17326	97.3598	33.59814	106.34308	15.36354	5.1813	17.51553	8.27E-11	2.68E-08	8.81E-09	2.55E-14	7.7E-14	6.09E-14	3.02E-16	7.3E-15	4.03E-16	8.00239E-15	8.269E-11	2.6824E-08	8.81324E-09	2.60992E-14	1.22144E-15	1.30269E-14	2.0322E-16
358	570510.6	4178359	0.55, 41783	0.21432	0.16421	0.20002	118.04415	35.93263	125.3205	16.48105	5.5698	18.1537	9.76E-11	3.01E-08	9.41E-09	3.01E-14	9.09E-14	7.18E-14	3.56E-16	8.61E-15	4.75E-16	9.4405E-15	9.755E-11	3.0129E-08	9.41396E-09	3.07895E-14	1.44095E-15	1.5368E-14	2.39741E-16
359	570550.6	4178359	0.55, 41783	0.25472	0.19842	0.23435	139.50155	38.63371	157.96544	19.4148	6.01971	21.81117	1.17E-10	3.45E-08	1.11E-08	3.62E-14	1.09E-13	8.63E-14	4.28E-16	1.03E-14	5.71E-16	1.13413E-14	1.172E-10	3.4506E-08	1.11167E-08	3.69889E-14	1.73108E-15	1.84623E-14	2.88013E-16
360	570590.6	4178359	0.55, 41783	0.30979	0.24497	0.28017	159.83108	41.83842	190.36526	22.23989	6.84975	26.13545	1.44E-10	3.9E-08	1.28E-08	4.44E-14	1.34E-13	1.06E-13	5.26E-16	1.27E-14	7.01E-16	1.39228E-14	1.439E-10	3.9036E-08	1.28073E-08	4.54082E-14	2.1251E-15	2.26647E-14	3.53569E-16
361	570630.6	4178359	0.55, 41783	0.38734	0.31015	0.34391	206.43147	51.05257	211.21178	25.80393	8.50876	28.98998	1.81E-10	4.69E-08	1.48E-08	5.59E-14	1.69E-13	1.33E-13	6.62E-16	1.6E-14	8.83E-16	1.7537E-14	1.812E-10	4.6875E-08	1.47752E-08	5.71957E-14	2.67676E-15	2.85482E-14	4.45352E-16
362	570670.6	4178359	0.55, 41783	0.50063	0.40488	0.43681	262.98595	60.70684	312.78941	32.87324	10.74505	39.09868	2.36E-10	6.05E-08	1.9E-08	7.27E-14	2.19E-13	1.73E-13	8.61E-16	2.08E-14	1.15E-15	2.27942E-14	2.355E-10	6.0538E-08	1.89604E-08	7.43418E-14	3.47919E-15	3.71063E-14	5.78859E-16
363	570710.6	4178359	0.55, 41783	0.66972	0.54814	0.57453	304.17814	72.14807	380.66102	38.02227	15.71205	47.58263	3.17E-10	7.21E-08	2.21E-08	9.79E-14	2.96E-13	2.34E-13	1.16E-15	2.8E-14	1.55E-15	3.07167E-14	3.174E-10	7.2088E-08	2.20799E-08	1.0018E-13	4.68844E-15	5.00032E-14	7.8005E-16
364	570750.6	4178359	0.55, 41783	0.90523	0.76876	0.77041	339.35657	85.82023	445.46467	44.72327	21.31802	55.68308	4.41E-10	8.41E-08	2.6E-08	1.36E-13	4.11E-13	3.25E-13	1.61E-15	3.89E-14	2.15E-15	4.26956E-14	4.412E-10	8.4144E-08	2.59532E-08	1.39249E-13	6.51684E-15	6.95035E-14	1.08425E-15
365	570790.6	4178359	0.55, 41783	1.13154	1.06104	0.98839	377.53193	96.31599	507.3356	54.94081	27.90141	63.41695	5.98E-10	9.47E-08	3.16E-08	1.85E-13	5.57E-13	4.4E-13	2.19E-15	5.28E-14	2.91E-15	5.78897E-14	5.982E-10	9.4735E-08	3.15661E-08	1.88803E-13	8.83599E-15	9.42377E-14	1.47011E-15
366	570830.6	4178359	0.55, 41783	1.33226	1.74963	1.18947	411.58415	139.14147	649.42864	69.46909	37.35577	97.59965	9.31E-10	1.25E-07	4.1E-08	2.87E-13	8.68E-13	6.86E-13	3.4E-15	8.22E-14	4.54E-15	9.01356E-14	9.314E-10	1.2477E-07	4.10177E-08	2.93971E-13	1.37578E-14	1.4673E-13	2.28899E-15
367	570870.6	4178359	0.55, 41783	1.45984	3.38436	1.19217	346.78431	184.49712	847.26971	52.43952	61.49528	124.03925	1.67E-09	1.54E-07	3.42E-08	5.17E-13	1.56E-12	1.23E-12	6.12E-15	1.48E-13	8.16E-15	1.62061E-13	1.675E-09	1.5447E-07	3.41572E-08	5.28551E-13	2.47362E-14	2.63817E-13	4.11554E-15
368	571150.6	4178359	0.55, 41783	17.36196	17.82412	10.70274	1537.79423	258.8776	2153.28101	350.34789	128.93656	372.67701	9.59E-09	3.31E-07	1.99E-07	2.96E-12	8.94E-12	7.06E-12	3.5E-14	8.46E-13	4.67E-14	9.28169E-13	9.591E-09	3.3125E-07	1.99279E-07	3.02716E-12	1.41671E-13	1.51095E-12	2.35708E-14
369	571190.6	4178359	0.55, 41783	10.35157	8.16971	8.42586	590.93034	162.31709	1380.32388	161.82999	76.08872	218.22557	4.74E-09	1.91E-07	9.5E-08	1.46E-12	4.42E-12	3.49E-12	1.73E-14	4.18E-13	2.31E-14	4.58789E-13	4.741E-09	1.9067E-07	9.49724E-08	1.49631E-12	7.00271E-14	7.46854E-13	1.16509E-14
370	571230.6	4178359	0.55, 41783	6.41954	4.85697	6.11014	429.96716	118.18476	649.38165	103.83364	47.29307	136.54892	2.9E-09	1.16E-07	6.07E-08	8.95E-13	2.7E-12	2.14E-12	1.06E-14	2.56E-13	1.41E-14	2.80815E-13	2.902E-09	1.1626E-07	6.07163E-08	9.15857E-13	4.28621E-14	4.57134E-13	7.13128E-15
371	571270.6	4178359	0.55, 41783	4.24607	3.28764	4.46672	330.34534	97.41521	669.03521	71.25122	30.79427	101.30501	1.98E-09	1.03E-07	4.21E-08	6.11E-13	1.84E-12	1.46E-12	7.23E-15	1.75E-13	9.65E-15	1.91624E-13	1.98E-09	1.0309E-07	4.21462E-08	6.24969E-13	2.92485E-14	3.11942E-13	4.86629E-15
372	571310.6	4178359	0.55, 41783	3.01802	2.39332	3.29044	280.32399	84.30249	476.5001	47.38187	23.6076	69.83839	1.44E-09	8.24E-08	2.82E-08	4.44E-13	1.34E-12	1.06E-12	5.26E-15	1.27E-13	7.02E-15	1.39377E-13	1.44E-09	8.2433E-08	2.81838E-08	4.54569E-13	2.12738E-14	2.2689E-13	3.53948E-15
373	571350.6	4178359	0.55, 41783	2.25439	1.82521	2.47896	223.1696	75.03337	276.07803	32.74083	19.24184	47.29925	1.09E-09	6.26E-08	1.94E-08	3.38E-13	1.02E-12	8.05E-13	4E-15	9.65E-14	5.33E-15	1.05874E-13	1.094E-09	6.2644E-08	1.94142E-08	3.45301E-13	1.61601E-14	1.72351E-13	2.68867E-15
374	571390.6	4178359	0.55, 41783	1.7395	1.43625	1.90839	164.0034	68.00709	177.73654	25.39154	16.17569	38.72375	8.56E-10	5.02E-08	1.52E-08	2.64E-13	7.98E-13	6.3E-13	3.13E-15	7.56E-14	4.17E-15	8.2883E-14	8.565E-10	5.0239E-08	1.51858E-08	2.70317E-13	1.26508E-14	1.34924E-13	2.10481E-15
375	571430.6	4178359	0.55, 41783	1.37666	1.15767	1.50113	113.66708	62.41604	162.05892	21.33563	13.79366	30.03325	6.87E-10	4.42E-08	1.26E-08	2.12E-13	6.4E-13	5.05E-13	2.51E-15	6.06E-14	3.35E-15	6.64541E-14	6.867E-10	4.4171E-08	1.26012E-08	2.16735E-13	1.01432E-14	1.08179E-13	1.6876E-15
376	571470.6	4178359	0.55, 41783	1.11313	0.95193	1.20554	91.64258	57.80687	139.39839	17.74486	11.89568	22.85385	5.62E-10	3.95E-08	1.03E-08	1.73E-13	5.24E-13	4.14E-13	2.05E-15	4.96E-14	2.74E-15	5.43744E-14	5.619E-10	3.9539E-08	1.03457E-08	1.77338E-13	8.29943E-15	8.85152E-14	1.38084E-15
377	571510.6	4178359	0.55, 41783	0.9166	0.79605	0.98663	82.11168	53.90312	116.32041	14.64829	10.35284	20.08654	4.68E-10	3.58E-08	8.62E-09	1.44E-13	4.36E-13	3.44E-13	1.71E-15	4.13E-14	2.28E-15	4.52686E-14	4.678E-10	3.5833E-08	8.61773E-09	1.4764E-13	6.90956E-15	7.36919E-14	1.14959E-15
378	571550.6	4178359	0.55, 41783	0.76622	0.67498	0.82026	72.9064	50.52239	102.58687	12.13868	9.07968	17.28494	3.95E-10	3.3E-08	7.18E-09	1.22E-13	3.68E-13	2.91E-13	1.44E-15	3.49E-14	1.92E-15	3.82297E-14	3.95E-10	3.2971E-08	7.18188E-09	1.24683E-13	5.83519E-15	6.22335E-14	9.70843E-16
379	571590.6	4178359	0.55, 41783	0.64386	0.57575	0.68602	65.94968	47.48497	92.44167	10.99161	8.00686	15.40694	3.36E-10	3.06E-08	6.49E-09	1.04E-13	3.13E-13	2.47E-13	1.23E-15	2.96E-14	1.63E-15	3.2478E-14	3.356E-10	3.0606E-08	6.4877E-09	1.05925E-13	4.95727E-15	5.28704E-14	8.24778E-16
380	570310.6	4178399	0.55, 41783	0.11287	0.08031	0.1093	71.34246	27.87564	79.43468	11.89041	3.82503	13.23911	4.88E-11	2.12E-08	6.8E-09	1.51E-14	4.55E-14	3.6E-14	1.78E-16	4.31E-15	2.38E-16	4.72704E-15	4.885E-11	2.1219E-08	6.8008E-09	1.54169E-14	7.21511E-16	7.69506E-15	1.20043E-16
381	570350.6	4178399	0.55, 41783	0.12665	0.09175	0.12214	75.96419	29.57043	83.22909	12.46202	4.12173	13.80548	5.55E-11	2.25E-08	7.12E-09	1.71E-14	5.17E-14	4.09E-14	2.03E-16	4.9E-15	2.7E-16	5.37236E-15	5.552E-11	2.2458E-08	7.12329E-09	1.75216E-14	8.20009E-16	8.74557E-15	1.36431E-16
382	570390.6	4178399	0.55, 41783	0.1425	0.10434	0.13672	83.29233	31.439	92.96873	13.04897	4.44958	14.404	6.29E-11	2.43E-08	7.46E-09	1.94E-14	5.86E-14	4.63E-14	2.3E-16	5.55E-15	3.06E-16	6.08867E-15	6.292E-11	2.4289E-08	7.45551E-09	1.98577E-14	9.29343E-16	9.91164E-15	1.54622E-16
383	570430.6	4178399	0.55, 41783	0.16211	0.12032	0.15453	91.32735	33.521	103.76057	14.59534	4.81492	15.65812	7.22E-11	2.63E-08	8.31E-09	2.23E-14	6.73E-14	5.32E-14	2.64E-16	6.38E-15	3.52E-16	6.99109E-15	7.224E-11	2.632E-08	8.3103E-09	2.28009E-14	1.06708E-15	1.13807E-14	1.77538E-16
384	570470.6	4178399	0.55, 41783	0.18668	0.14051	0.17655	100.43451	35.89015	115.76296	16.57018	5.22899	18.35818	8.4E-11	2.86E-08	9.47E-09	2.59E-14	7.82E-14	6.18E-14	3.07E-16	7.41E-15	4.09E-16	8.12728E-15	8.398E-11	2.8611E-08	9.47162E-09	2.65065E-14	1.24051E-15	1.32303E-14	2.06392E-16
385	570510.6	4178399	0.55, 41783	0.21834	0.16684	0.20421	112.76596	38.62048	128.93318	18.79433	5.70408	21.48886	9.92E-11	3.13E-08	1.08E-08	3.06E-14	9.24E-14	7.3E-14	3.62E-16	8.75E-15	4.83E-16	9.60064E-15	9.921E-11	3.1302E-08	1.07852E-08	3.13118E-14	1.46539E-15	1.56287E-14	2.43808E-16
386	570550.6	4178399	0.55, 41783	0.26039	0.20212	0.2399	127.75395	41.82578	149.79254	21.29232	6.25899	24.96542	1.2E-10	3.48E-08	1.23E-08	3.69E-14	1.11E-13	8.8E-14	4.37E-16	1.05E-14	5.82E-16	1.15646E-14	1.195E-10	3.483E-08	1.22581E-08	3.7717E-14	1.76516E-15	1.88258E-14	2.93682E-16
387	570590.6	4178399	0.55, 41783	0.3185	0.25095	0.28739	144.10526	45.67081	172.10131	24.01754	7.17597	28.68355	1.47E-10	3.88E-08	1.39E-08	4.55E-14	1.37E-13	1.09E-13	5.39E-16	1.3E-14	7.18E-16	1.42706E-14	1.475E-10	3.8807E-08	1.38601E-08	4.65427E-14	2.1782E-15	2.32309E-14	3.62403E-16
388	570630.6	4178399	0.55, 41783	0.40291	0.32135	0.35272	177.65061	50.39519	203.06539	27.05917	8.74903	32.05961	1.88E-10	4.46E-08	1.56E-08	5.79E-14	1.75E-13	1.38E-13	6.85E-16	1.66E-14	9.14E-16	1.81559E-14	1.876E-10	4.4602E-08	1.55992E-08	5.92142E-14	2.77123E-15	2.95557E-14	4.61069E-16
389	570670.6	4178399	0.55, 41783	0.53348	0.4284	0.44753	224.79663	56.41372	278.51402	32.60934	10.76331	39.25369	2.48E-10	5.45E-08	1.88E-08	7.67E-14	2.32E-13	1.83E-13	9.08E-16	2.19E-14	1.21E-15	2.40469E-14	2.485E-10	5.4491E-08	1.8838E-08	7.84273E-14	3.6704E-15	3.91456E-14	6.10671E-16
390	570710.6	4178399	0.55, 41783	0.75271	0.60288	0.59636	297.96202	70.92072	361.49768	41.13122	14.0152	50.83456	3.48E-10	7E-08	2.38E-08	1.07E-13	3.24E-13	2.56E-13	1.27E-15	3.07E-14	1.69E-15	3.36452E-14	3.477E-10	7.0004E-08	2.38448E-08	1.09731E-13	5.13542E-15	5.47704E-14	8.54418E-16
391	570750.6	4178399	0.55, 41783	1.15447	0.90762	0.85203	416.42427	90.04322	551.74774	52.05033	22.1169	68.96847	5.22E-10	9.67E-08	3.05E-08	1.61E-13	4.86E-13	3.84E-13	1.91E-15	4.6E-14	2.54E-15	5.04755E-14	5.216E-10	9.6699E-08	3.04705E-08	1.64622E-13	7.70431E-15	8.21681E-14	1.28182E-15
392	570790.6	4178399	0.55, 41783	1.70092	1.35462	1.23288	632.44551	121.09647	736.15706	79.05569	31.00919	92.01963	7.75E-10	1.33E-07	4.55E-08	2.39E-13	7.22E-13	5.7E-13	2.83E-15	6.84E-14	3.77E-15	7.49879E-14	7.749E-10	1.3335E-07	4.54699E-08	2.44567E-13	1.14458E-14	1.22071E-13	1.90431E-15
393	570830.6	4178399	0.55, 41783	3.46088	2.976	2.05541	854.46592	185.76652	929.26678	157.19416	64.23703	133.05669	1.65E-09	1.86E-07	8.72E-08	5.08E-13	1.53E-12	1.21E-12	6.02E-15	1.45E-13	8.02E-15	1.59379E-13	1.647E-09	1.86E-07	8.72463E-08	5.19803E-13	2.43268E-14	2.5945E-13	4.04743E-15
394	571110.6	4178399	0.55, 41783	4.7766	17.70794	5.53677	386.44752	237.89657	1139.86397	91.74551	117.26543	182.49582	8.57E-09	1.99E-07	5.76E-08	2.65E-12	7.99E-12	6.31E-12	3.13E-14	7.57E-13	4.18E-14	8.29596E-13	8.573E-09	1.991E-07	5.75704E-08	2.70567E-12	1.26625E-13	1.35048E-12	2.10676E-14
395	571150.6	4178399	0.55, 41783	4.75682	9.04164	4.75414	493.27775	194.83019	977.82769	91.47407	80.27894	179.74579	4.62E-09	1.75E-07	5.73E-08	1.42E-12	4.3E-12	3.4E-12	1.69E-14	4.07E-13	2.25E-14	4.468E-13	4.617E-09	1.7484E-07	5.72599E-08	1.45721E-12	6.81972E-14	7.27338E-13	1.13465E-14
396	571190.6	4178399	0.55, 41783	4.13591	5.67532	3.9763	541.83424	159.29594	784.3481	82.25115	55.55038	130.43816	3.02E-09	1.49E-07	4.95E-08	9.32E-13	2.81E-12	2.22E-12	1.1E-14	2.66E-13	1.47E-14	2.92188E-13	3.019E-09	1.4902E-07	4.95087E-08	9.5295E-13	4.45981E-14	4.75648E-13	7.42011E-15
397	571230.6	4178399	0.55, 41783	3.34043	3.91116	3.41587	419.25179	113.41297	723.05548	67.92735	42.50701	103.29364	2.15E-09	1.18E-07	4.06E-08	6.63E-13	2E-12	1.58E-12	7.85E-15	1.9E-13	1.05E-14	2.07916E-13	2.149E-09	1.1824E-07	4.0606E-08	6.78102E-13	3.17352E-14	3.38462E-13	5.28001E-15
398	571270.6	4178399	0.55, 41783	2.69096	2.84934	2.72459	276.99568	96.24025	620.23738	46.4546	32.10306	94.16047	1.59E-09	9.68E-08	2.93E-08	4.92E-13	1.48E-12	1.17E-12	5.82E-15	1.41E-13	7.76E-15	1.54183E-13	1.593E-09	9.676E-08	2.92616E-08	5.02856E-13	2.35337E-14	2.50992E-13	3.91547E-15
399	571310.6	4178399	0.55, 41783	2.15304	2.16763	2.23142	240.01182	84.08056	257.12386	39.08125	24.00367	52.53394	1.23E-09	6.64E-08	2.29E-08	3.79E-13	1.14E-12	9.03E-13	4.48E-15	1.08E-13	5.98E-15	1.18788E-13	1.228E-09	6.6373E-08	2.29249E-08	3.8742E-13	1.81312E-14	1.93373E-13	3.01663E-15
400	571350.6	4178399	0.55, 41783	1.74135	1.70512	1.85867	224.12525	73.73672	326.22415	31.06226	18.34101	44.13622	9.75E-10	6.53E-08	1.84E-08	3.01E-13	9.08E-13	7.17E-13	3.56E-15	8.6E-14	4.75E-15	9.4311E-14	9.746E-10	6.5289E-08	1.8372E-08	3.07589E-13	1.43951E-14	1.53527E-13	2.39503E-15
401	571390.6	4178399	0.55, 41783	1.43215	1.37481	1.54866	207.21833	64.01827	312.56807	26.21992	15.02288	39.07101	7.9E-10	5.92E-08	1.56E-08	2.44E-13	7.36E-13	5.82E-13	2.89E-15	6.97E-14	3.85E-15	7.64867E-14	7.904E-10	5.9186E-08	1.56231E-08	2.49456E-13	1.16745E-14	1.24511E-13	1.94238E-15
402	571430.6	4178399	0.55, 41783	1.19016	1.12906	1.29293	179.9524	59.14274	244.73255	22.49405	12.88734	30.59157	6.51E-10	5.13E-08	1.32E-08	2.01E-13	6.07E-13	4.79E-13	2.38E-15	5.75E-14	3.17E-15	6.30129E-14	6.511E-10	5.1303E-08	1.32174E-08	2.05512E-13	9.61796E-15	1.02578E-13	1.60021E-15
403	571470.6	4178399	0.55, 41783	0.9966	0.93995	1.08271	146.8642	55.47011	170.50633	18.35802	11.23121	21.31329	5.43E-10	4.33E-08	1.06E-08	1.67E-13	5.06E-13	3.99E-13	1.98E-15	4.79E-14	2.64E-15	5.25259E-14	5.428E-10	4.3261E-08	1.05554E-08	1.71309E-13	8.01728E-15	8.5506E-14	1.33389E-15
404	571510.6	4178399	0.55, 41783	0.8441	0.79417	0.91453	113.63796	52.27286	111.23462	14.20474	9.85599	18.36688	4.59E-10	3.64E-08	8.29E-09	1.42E-13	4.27E-13	3.38E-13	1.68E-15	4.05E-14	2.23E-15	4.43881E-14	4.587E-10	3.6375E-08	8.28629E-09	1.44768E-13	6.77516E-15	7.22586E-14	1.12723E-15
405	571550.6	4178399	0.55, 41783	0.71988	0.67749	0.77601	84.04695	49.45688	81.90115	12.59546	8.65245	16.41022	3.91E-10	3.17E-08	7.36E-09	1.21E-13	3.64E-13	2.88E-13	1.43E-15	3.45E-14	1.9E-15	3.784E-14	3.91E-10	3.1744E-08	7.3554E-09	1.23412E-13	5.7757E-15	6.15991E-14	9.60946E-16
406	571590.6	4178399	0.55, 41783	0.61846	0.58359	0.66441	61.25343	46.95039	82.40366	11.31778	7.65227	14.12983	3.36E-10	2.95E-08	6.57E-09	1.04E-13	3.14E-13	2.48E-13	1.23E-15	2.97E-14	1.64E-15	3.25625E-14	3.365E-10	2.949E-08	6.57021E-09	1.062E-13	4.97017E-15	5.30079E-14	8.26924E-16
407	570310.6	4178439	0.55, 41784	0.11265	0.08111	0.10949	78.47962	27.91467	88.7071	13.07994	3.48933	14.78452	4.92E-11	2.22E-08	7.5E-09	1.52E-14	4.58E-14	3.62E-14	1.8E-16	4.34E-15	2.4E-16	4.76201E-15	4.921E-11	2.2187E-08	7.49517E-09	1.55309E-14	7.26848E-16	7.75199E-15	1.20931E-16
408	570350.6	4178439	0.55, 41784	0.12585	0.09139	0.12175	84.54471	29.62734	96.42477	14.09078	3.70342	16.0708	5.53E-11	2.38E-08	8.08E-09	1.71E-14	5.15E-14	4.07E-14	2.02E-16	4.88E-15	2.69E-16	5.35034E-15	5.529E-11	2.3756E-08	8.08353E-09	1.74497E-14	8.16648E-16	8.70972E-15	1.35872E-16
409	570390.6	4178439	0.55, 41784	0.14252	0.10489	0.13706	91.50908	31.67143	105.54781	15.25151	4.06451	17.5913	6.32E-11	2.56E-08	8.76E-09	1.95E-14	5.89E-14	4.65E-14	2.31E-16	5.58E-15	3.08E-16	6.11483E-15	6.319E-11	2.5609E-08	8.76188E-09	1.99431E-14	9.33337E-16	9.95423E-15	1.55286E-16
410	570430.6	4178439	0.55, 41784	0.16313	0.12204	0.15568	99.54775	33.93845	116.15512	16.59129	4.47421	19.35919	7.31E-11	2.77E-08	9.55E-09	2.26E-14	6.81E-14	5.38E-14	2.67E-16	6.45E-15	3.56E-16	7.07815E-15	7.314E-11	2.7711E-08	9.54569E-09	2.30849E-14	1.08037E-15	1.15224E-14	1.7975E-16
411	570470.6	4178439	0.55, 41784	0.18858	0.14267	0.1783	108.92524	36.54882	128.38607	18.15421	4.93599	21.39768	8.52E-11	3.01E-08	1.05E-08	2.63E-14	7.93E-14	6.27E-14	3.11E-16	7.52E-15	4.15E-16	8.24154E-15	8.516E-11	3.0139E-08	1.04585E-08	2.68792E-14	1.25795E-15	1.34163E-14	2.09294E-16
412	570510.6	4178439	0.55, 41784	0.22167	0.16966	0.20722	120.34611	39.98702	143.36164	20.05769	5.68986	23.89027	1.01E-10	3.32E-08	1.16E-08	3.11E-14	9.4E-14	7.42E-14	3.68E-16	8.9E-15	4.91E-16	9.75843E-15	1.008E-10	3.3216E-08	1.15709E-08	3.18264E-14	1.48948E-15	1.58856E-14	2.47815E-16
413	570550.6	4178439	0.55, 41784	0.2658	0.20594	0.24496	134.27176	44.24032	161.13607	22.37863	6.83821	26.85601	1.22E-10	3.7E-08	1.29E-08	3.76E-14	1.14E-13	8.97E-14	4.45E-16	1.08E-14	5.93E-16	1.17888E-14	1.218E-10	3.6968E-08	1.29226E-08	3.84482E-14	1.79938E-15	1.91907E-14	2.99375E-16
414	570590.6	4178439	0.55, 41784	0.3272	0.25654	0.29583	151.91315	49.32778	182.29969	25.31886	8.30482	30.38328	1.51E-10	4.15E-08	1.46E-08	4.66E-14	1.41E-13	1.11E-13	5.52E-16	1.33E-14	7.35E-16	1.46089E-14	1.51E-10	4.1498E-08	1.46204E-08	4.76459E-14	2.22983E-15	2.37816E-14	3.70993E-16
415	570630.6	4178439	0.55, 41784	0.41735	0.33056	0.3671	175.42083	55.26305	213.97884	29.2368	10.21264	34.63299	1.93E-10	4.75E-08	1.69E-08	5.97E-14	1.8E-13	1.42E-13	7.07E-16	1.71E-14	9.42E-16	1.87167E-14	1.934E-10	4.7537E-08	1.68541E-08	6.10431E-14	2.85682E-15	3.04686E-14	4.7531E-16
416	570670.6	4178439	0.55, 41784	0.56024	0.44648	0.47194	208.37177	63.80907	268.23017	34.72863	12.75328	41.38807	2.6E-10	5.63E-08	2E-08	8.01E-14	2.42E-13	1.91E-13	9.48E-16	2.29E-14	1.26E-15	2.51165E-14	2.595E-10	5.6338E-08	2.00358E-08	8.19158E-14	3.83366E-15	4.08868E-14	6.37834E-16
417	570710.6	4178439	0.55, 41784	0.81434	0.64609	0.63688	258.28683	75.2647	339.8113	43.04781	16.40047	56.02404	3.73E-10	6.86E-08	2.51E-08	1.15E-13	3.47E-13	2.74E-13	1.36E-15	3.29E-14	1.82E-15	3.60807E-14	3.728E-10	6.8573E-08	2.51348E-08	1.17675E-13	5.50717E-15	5.87351E-14	9.16268E-16
418	570750.6	4178439	0.55, 41784	1.35572	1.03003	0.91926	343.9155	93.10334	457.76974	57.16949	22.25077	76.29496	5.91E-10	8.84E-08	3.35E-08	1.82E-13	5.51E-13	4.35E-13	2.16E-15	5.22E-14	2.88E-15	5.7214E-14	5.912E-10	8.8437E-08	3.35002E-08	1.86599E-13	8.73285E-15	9.31377E-14	1.45295E-15
419	570790.6	4178439	0.55, 41784	3.18264	2.0617	1.49283	571.47263	129.70009	738.76969	95.66015	38.79176	110.20608	1.19E-09	1.34E-07	5.49E-08	3.66E-13	1.1E-12	8.72E-13	4.33E-15	1.05E-13	5.77E-15	1.14692E-13	1.185E-09	1.343E-07	5.49478E-08	3.74058E-13	1.75059E-14	1.86704E-13	2.91259E-15
420	571070.6	4178439	0.55, 41784	4.74443	12.25677	5.33303	251.71558	235.3671	557.08631	48.15254	87.29167	78.37734	6.1E-09	1.54E-07	2.91E-08	1.88E-12	5.69E-12	4.49E-12	2.23E-14	5.38E-13	2.97E-14	5.90488E-13	6.102E-09	1.5416E-07	2.91118E-08	1.92584E-12	9.01291E-14	9.61246E-13	1.49954E-14
421	571110.6	4178439	0.55, 41784	3.89854	10.39914	4.234	292.37938	213.76959	730.76501	54.55193	96.69541	95.26587	5.15E-09	1.58E-07	3.34E-08	1.59E-12	4.8E-12	3.79E-12	1.88E-14	4.55E-13	2.51E-14	4.98587E-13	5.152E-09	1.5751E-07	3.33912E-08	1.6261E-12	7.61017E-14	8.11641E-13	1.26616E-14
422	571150.6	4178439	0.55, 41784	3.24566	6.14355	3.38328	299.25996	151.74182	537.6659	53.26943	58.88405	104.89405	3.15E-09	1.18E-07	3.34E-08	9.71E-13	2.93E-12	2.32E-12	1.15E-14	2.78E-13	1.53E-14	3.04594E-13	3.148E-09	1.1766E-07	3.33589E-08	9.93411E-13	4.64916E-14	4.95843E-13	7.73515E-15
423	571190.6	4178439	0.55, 41784	2.68652	4.20662	2.81661	319.22111	114.25705	663.08885	45.60302	42.68486	97.00809	2.21E-09	1.1E-07	2.9E-08	6.82E-13	2.06E-12	1.63E-12	8.08E-15	1.95E-13	1.08E-14	2.1391E-13	2.21E-09	1.0974E-07	2.90153E-08	6.97652E-13	3.26501E-14	3.48221E-13	5.43224E-15
424	571230.6	4178439	0.55, 41784	2.2851	3.10379	2.38014	355.31137	114.374	594.35462	48.25343	33.87475	78.4876	1.67E-09	1.07E-07	2.92E-08	5.14E-13	1.55E-12	1.23E-12	6.08E-15	1.47E-13	8.11E-15	1.61171E-13	1.665E-09	1.0726E-07	2.91694E-08	5.25647E-13	2.46003E-14	2.62367E-13	4.09293E-15
425	571270.6	4178439	0.55, 41784	1.91581	2.39067	2.08735	281.61312	92.35093	457.23387	43.32371	28.45229	65.31912	1.31E-09	8.49E-08	2.59E-08	4.03E-13	1.22E-12	9.62E-13	4.77E-15	1.15E-13	6.37E-15	1.26465E-13	1.307E-09	8.4903E-08	2.58627E-08	4.12456E-13	1.93029E-14	2.0587E-13	3.21157E-15
426	571310.6	4178439	0.55, 41784	1.62017	1.88774	1.73959	249.98498	75.512	443.82502	38.72011	23.46838	65.04063	1.04E-09	7.49E-08	2.35E-08	3.22E-13	9.72E-13	7.68E-13	3.81E-15	9.21E-14	5.08E-15	1.00948E-13	1.043E-09	7.486E-08	2.35371E-08	3.29235E-13	1.54082E-14	1.64332E-13	2.56358E-15
427	571350.6	4178439	0.55, 41784	1.36969	1.52492	1.4607	207.90528	71.02603	289.54604	31.99215	18.96422	43.80183	8.49E-10	6.09E-08	1.88E-08	2.62E-13	7.91E-13	6.25E-13	3.1E-15	7.49E-14	4.14E-15	8.21857E-14	8.493E-10	6.0918E-08	1.8817E-08	2.68043E-13	1.25444E-14	1.33789E-13	2.0871E-15
428	571390.6	4178439	0.55, 41784	1.16602	1.25794	1.25769	137.82846	66.02867	157.99714	21.56098	15.29437	27.7078	7.06E-10	4.68E-08	1.26E-08	2.18E-13	6.58E-13	5.19E-13	2.58E-15	6.23E-14	3.44E-15	6.82978E-14	7.058E-10	4.6767E-08	1.25667E-08	2.22748E-13	1.04246E-14	1.11181E-13	1.73442E-15
429	571430.6	4178439	0.55, 41784	1.00225	1.05165	1.08939	150.81052	60.59063	188.78292	19.07395	12.70811	25.02004	5.94E-10	4.69E-08	1.11E-08	1.83E-13	5.53E-13	4.37E-13	2.17E-15	5.24E-14	2.89E-15	5.74654E-14	5.938E-10	4.6928E-08	1.11494E-08	1.87419E-13	8.77121E-15	9.35469E-14	1.45933E-15
430	571470.6	4178439	0.55, 41784	0.86528	0.88825	0.94207	153.64691	54.59461	206.40776	19.20586	10.6849	25.80097	5.04E-10	4.55E-08	1.13E-08	1.55E-13	4.69E-13	3.71E-13	1.84E-15	4.45E-14	2.45E-15	4.87635E-14	5.039E-10	4.5488E-08	1.1265E-08	1.59039E-13	7.443E-15	7.93812E-14	1.23835E-15
431	571510.6	4178439	0.55, 41784	0.75493	0.76151	0.82291	144.52703	49.13224	189.90829	18.06588	9.74189	23.73854	4.34E-10	4.15E-08	1.06E-08	1.34E-13	4.04E-13	3.19E-13	1.58E-15	3.83E-14	2.11E-15	4.19637E-14	4.336E-10	4.1517E-08	1.05627E-08	1.36862E-13	6.40512E-15	6.8312E-14	1.06567E-15
432	571550.6	4178439	0.55, 41784	0.65913	0.65716	0.71761	127.58758	46.59598	156.05984	15.94845	8.8858	19.50748	3.75E-10	3.74E-08	9.23E-09	1.16E-13	3.49E-13	2.76E-13	1.37E-15	3.31E-14	1.83E-15	3.62968E-14	3.751E-10	3.7368E-08	9.23282E-09	1.18379E-13	5.54015E-15	5.90869E-14	9.21755E-16
433	571590.6	4178439	0.55, 41784	0.57626	0.57045	0.62441	106.82976	44.35137	118.44703	13.35372	8.08009	14.80588	3.26E-10	3.29E-08	7.63E-09	1.01E-13	3.04E-13	2.4E-13	1.19E-15	2.88E-14	1.59E-15	3.15368E-14	3.259E-10	3.2918E-08	7.63778E-09	1.02855E-13	4.81361E-15	5.13382E-14	8.00876E-16
434	570310.6	4178479	0.55, 41784	0.1113	0.08183	0.10709	74.58423	29.47815	84.27127	11.80727	4.00274	12.56763	4.93E-11	2.24E-08	6.72E-09	1.52E-14	4.59E-14	3.63E-14	1.8E-16	4.35E-15	2.4E-16	4.77204E-15	4.931E-11	2.2412E-08	6.71653E-09	1.55637E-14	7.2838E-16	7.76833E-15	1.21186E-16
435	570350.6	4178479	0.55, 41784	0.12561	0.09388	0.12027	80.0812	31.76761	91.05741	12.83362	4.33491	13.82729	5.63E-11	2.42E-08	7.31E-09	1.74E-14	5.25E-14	4.14E-14	2.06E-16	4.97E-15	2.74E-16	5.44865E-15	5.63E-11	2.4153E-08	7.31097E-09	1.77704E-14	8.31654E-16	8.86977E-15	1.38368E-16
436	570390.6	4178479	0.55, 41784	0.14146	0.10678	0.13471	86.10528	34.01158	98.86723	14.01299	4.67053	15.28263	6.38E-11	2.6E-08	7.99E-09	1.97E-14	5.95E-14	4.7E-14	2.33E-16	5.63E-15	3.11E-16	6.17762E-15	6.384E-11	2.5965E-08	7.99454E-09	2.01479E-14	9.4292E-16	1.00564E-14	1.5688E-16
437	570430.6	4178479	0.55, 41784	0.16075	0.12266	0.15218	93.00088	36.36689	108.11431	15.32204	5.02469	17.00047	7.31E-11	2.8E-08	8.76E-09	2.26E-14	6.81E-14	5.38E-14	2.67E-16	6.45E-15	3.56E-16	7.07202E-15	7.308E-11	2.7963E-08	8.75977E-09	2.30649E-14	1.07944E-15	1.15124E-14	1.79594E-16
438	570470.6	4178479	0.55, 41784	0.18644	0.14379	0.17515	101.96042	39.51551	120.09702	16.93263	5.48718	19.18544	8.54E-11	3.06E-08	9.71E-09	2.63E-14	7.95E-14	6.28E-14	3.12E-16	7.53E-15	4.16E-16	8.26053E-15	8.536E-11	3.0596E-08	9.7058E-09	2.69411E-14	1.26084E-15	1.34472E-14	2.09776E-16
439	570510.6	4178479	0.55, 41784	0.22079	0.17209	0.20548	113.44919	43.50567	135.70428	18.9082	6.17272	22.02345	1.02E-10	3.4E-08	1.09E-08	3.14E-14	9.48E-14	7.49E-14	3.72E-16	8.98E-15	4.96E-16	9.84939E-15	1.018E-10	3.3967E-08	1.08762E-08	3.21231E-14	1.50336E-15	1.60337E-14	2.50125E-16
440	570550.6	4178479	0.55, 41784	0.2667	0.21004	0.24533	127.7059	48.20733	155.63974	21.28432	7.34053	25.26853	1.24E-10	3.81E-08	1.23E-08	3.82E-14	1.15E-13	9.11E-14	4.52E-16	1.09E-14	6.03E-16	1.19742E-14	1.237E-10	3.8074E-08	1.22961E-08	3.90531E-14	1.82769E-15	1.94927E-14	3.04085E-16
441	570590.6	4178479	0.55, 41784	0.32931	0.26248	0.29831	144.67878	53.44745	182.17951	24.11313	8.81975	30.24215	1.54E-10	4.3E-08	1.4E-08	4.75E-14	1.43E-13	1.13E-13	5.62E-16	1.36E-14	7.5E-16	1.48935E-14	1.539E-10	4.2979E-08	1.40069E-08	4.85741E-14	2.27327E-15	2.42449E-14	3.7822E-16
442	570630.6	4178479	0.55, 41784	0.42133	0.33962	0.37314	165.95931	60.05375	219.0797	27.65989	10.77683	36.51328	1.98E-10	4.94E-08	1.62E-08	6.11E-14	1.85E-13	1.46E-13	7.24E-16	1.75E-14	9.65E-16	1.91684E-14	1.981E-10	4.9376E-08	1.61828E-08	6.25163E-14	2.92576E-15	3.12039E-14	4.8678E-16
443	570670.6	4178479	0.55, 41784	0.56746	0.46145	0.48445	193.36004	69.0612	272.47405	32.22667	13.5092	45.41234	2.67E-10	5.82E-08	1.9E-08	8.25E-14	2.49E-13	1.97E-13	9.77E-16	2.36E-14	1.3E-15	2.58815E-14	2.674E-10	5.8212E-08	1.90367E-08	8.44108E-14	3.95043E-15	4.21321E-14	6.57261E-16
444	570710.6	4178479	0.55, 41784	0.83023	0.67528	0.66195	236.53606	81.84268	352.22256	39.07222	17.68943	58.70376	3.88E-10	7.12E-08	2.33E-08	1.2E-13	3.62E-13	2.86E-13	1.42E-15	3.43E-14	1.89E-15	3.75854E-14	3.884E-10	7.122E-08	2.33117E-08	1.22582E-13	5.73684E-15	6.11846E-14	9.5448E-16
445	570750.6	4178479	0.55, 41784	1.42426	1.12918	0.97629	342.03514	102.90165	482.1747	49.67165	25.1054	80.36245	6.43E-10	9.43E-08	3E-08	1.98E-13	5.99E-13	4.73E-13	2.35E-15	5.67E-14	3.13E-15	6.22241E-14	6.43E-10	9.4305E-08	2.99993E-08	2.02939E-13	9.49756E-15	1.01294E-13	1.58018E-15
446	570790.6	4178479	0.55, 41784	3.63047	2.75084	1.62936	596.75244	187.47347	722.34167	107.7468	51.23422	120.39028	1.53E-09	1.61E-07	6.17E-08	4.71E-13	1.42E-12	1.12E-12	5.58E-15	1.35E-13	7.44E-15	1.47779E-13	1.527E-09	1.6057E-07	6.16532E-08	4.81969E-13	2.25562E-14	2.40566E-13	3.75283E-15
447	571030.6	4178479	0.55, 41784	9.40071	15.68167	11.18665	333.68631	267.08575	756.18793	81.11776	110.69164	178.64972	8.25E-09	1.85E-07	5.2E-08	2.55E-12	7.69E-12	6.07E-12	3.01E-14	7.28E-13	4.02E-14	7.98625E-13	8.253E-09	1.8524E-07	5.19984E-08	2.60466E-12	1.21898E-13	1.30007E-12	2.02811E-14
448	571070.6	4178479	0.55, 41784	5.59712	9.0131	6.53916	216.22006	204.77885	522.16381	54.58514	76.29745	101.00005	4.76E-09	1.36E-07	3.38E-08	1.47E-12	4.44E-12	3.5E-12	1.74E-14	4.2E-13	2.32E-14	4.60638E-13	4.76E-09	1.3636E-07	3.37716E-08	1.50234E-12	7.03094E-14	7.49865E-13	1.16979E-14
449	571110.6	4178479	0.55, 41784	3.86033	5.8724	4.45436	232.77263	158.88759	526.3096	40.87392	60.11848	68.10823	3.12E-09	1.17E-07	2.48E-08	9.64E-13	2.91E-12	2.3E-12	1.14E-14	2.76E-13	1.52E-14	3.02363E-13	3.124E-09	1.1679E-07	2.48114E-08	9.86135E-13	4.61511E-14	4.92211E-13	7.6785E-15
450	571150.6	4178479	0.55, 41784	2.87873	4.17215	3.24074	243.47288	131.88403	510.76766	36.94401	47.80365	68.59206	2.23E-09	1.04E-07	2.29E-08	6.89E-13	2.08E-12	1.64E-12	8.15E-15	1.97E-13	1.09E-14	2.15954E-13	2.232E-09	1.0418E-07	2.28719E-08	7.04319E-13	3.29621E-14	3.51548E-13	5.48415E-15
451	571190.6	4178479	0.55, 41784	2.25924	3.11768	2.54212	272.99859	103.34976	495.79992	40.61499	35.56429	82.63332	1.68E-09	9.19E-08	2.56E-08	5.19E-13	1.57E-12	1.24E-12	6.14E-15	1.48E-13	8.19E-15	1.62644E-13	1.681E-09	9.1868E-08	2.56029E-08	5.30451E-13	2.48251E-14	2.64765E-13	4.13034E-15
452	571230.6	4178479	0.55, 41784	1.86428	2.43731	2.04705	228.60917	88.43023	428.91859	34.9281	28.65964	53.61482	1.32E-09	7.87E-08	2.09E-08	4.08E-13	1.23E-12	9.73E-13	4.83E-15	1.17E-13	6.44E-15	1.27998E-13	1.323E-09	7.8651E-08	2.09113E-08	4.17457E-13	1.9537E-14	2.08366E-13	3.25051E-15
453	571270.6	4178479	0.55, 41784	1.58233	1.95726	1.72288	275.18297	89.4878	451.79055	39.56066	24.38596	62.99097	1.07E-09	8.29E-08	2.38E-08	3.31E-13	9.98E-13	7.89E-13	3.91E-15	9.46E-14	5.22E-15	1.03691E-13	1.071E-09	8.2941E-08	2.38285E-08	3.38182E-13	1.58269E-14	1.68797E-13	2.63324E-15
454	571310.6	4178479	0.55, 41784	1.35793	1.6065	1.5101	222.77943	77.47813	328.49847	32.82803	21.05024	46.46168	8.89E-10	6.71E-08	1.94E-08	2.74E-13	8.28E-13	6.54E-13	3.25E-15	7.84E-14	4.33E-15	8.59885E-14	8.886E-10	6.7051E-08	1.94048E-08	2.80445E-13	1.31248E-14	1.39979E-13	2.18367E-15
455	571350.6	4178479	0.55, 41784	1.1642	1.33076	1.27594	210.30644	64.61424	297.95893	30.9494	18.13628	42.55235	7.4E-10	5.87E-08	1.82E-08	2.28E-13	6.89E-13	5.44E-13	2.7E-15	6.53E-14	3.6E-15	7.15762E-14	7.396E-10	5.8685E-08	1.8215E-08	2.33441E-13	1.0925E-14	1.16518E-13	1.81768E-15
456	571390.6	4178479	0.55, 41784	1.001	1.11694	1.07653	187.8278	60.73144	278.37154	27.7002	15.35336	39.86006	6.22E-10	5.46E-08	1.64E-08	1.92E-13	5.8E-13	4.58E-13	2.27E-15	5.49E-14	3.03E-15	6.02273E-14	6.224E-10	5.4552E-08	1.64153E-08	1.96427E-13	9.19278E-15	9.80429E-14	1.52947E-15
457	571430.6	4178479	0.55, 41784	0.8626	0.94616	0.9271	141.00765	57.76687	153.44465	20.99683	12.7525	23.01436	5.29E-10	4.29E-08	1.2E-08	1.63E-13	4.93E-13	3.89E-13	1.93E-15	4.67E-14	2.58E-15	5.11836E-14	5.289E-10	4.2917E-08	1.19862E-08	1.66932E-13	7.8124E-15	8.33209E-14	1.29981E-15
458	571470.6	4178479	0.55, 41784	0.75511	0.81334	0.81471	85.41876	54.87579	110.14274	13.60469	11.10539	17.11986	4.56E-10	3.6E-08	7.91E-09	1.41E-13	4.25E-13	3.36E-13	1.67E-15	4.03E-14	2.22E-15	4.41743E-14	4.565E-10	3.6047E-08	7.90637E-09	1.44071E-13	6.74254E-15	7.19106E-14	1.12181E-15
459	571510.6	4178479	0.55, 41784	0.666	0.70453	0.71826	104.54177	51.61661	121.24791	13.06772	9.4895	15.99878	3.97E-10	3.63E-08	7.57E-09	1.22E-13	3.7E-13	2.92E-13	1.45E-15	3.5E-14	1.93E-15	3.84001E-14	3.968E-10	3.6253E-08	7.56606E-09	1.25239E-13	5.86119E-15	6.25108E-14	9.75168E-16
460	571550.6	4178479	0.55, 41784	0.58993	0.61436	0.63446	114.23468	47.78612	141.81512	14.27934	8.47335	17.72689	3.47E-10	3.63E-08	8.28E-09	1.07E-13	3.23E-13	2.55E-13	1.27E-15	3.06E-14	1.69E-15	3.35803E-14	3.47E-10	3.6323E-08	8.2831E-09	1.0952E-13	5.12552E-15	5.46648E-14	8.52771E-16
461	571590.6	4178479	0.55, 41784	0.5248	0.5396	0.56365	114.71837	43.31659	143.69009	14.3398	7.89274	17.96126	3.06E-10	3.45E-08	8.33E-09	9.43E-14	2.85E-13	2.25E-13	1.12E-15	2.7E-14	1.49E-15	2.95659E-14	3.055E-10	3.4453E-08	8.32827E-09	9.64272E-14	4.51279E-15	4.81299E-14	7.50826E-16
462	570310.6	4178519	0.55, 41785	0.10968	0.08323	0.10459	75.92481	30.95134	85.20389	12.65413	4.31611	14.20065	4.97E-11	2.32E-08	7.24E-09	1.53E-14	4.63E-14	3.66E-14	1.82E-16	4.39E-15	2.42E-16	4.80979E-15	4.97E-11	2.3203E-08	7.24466E-09	1.56868E-14	7.34142E-16	7.82978E-15	1.22145E-16
463	570350.6	4178519	0.55, 41785	0.12253	0.09413	0.11632	80.98331	32.52203	91.70345	13.49722	4.56123	15.28391	5.6E-11	2.46E-08	7.74E-09	1.73E-14	5.22E-14	4.12E-14	2.05E-16	4.94E-15	2.73E-16	5.42018E-15	5.601E-11	2.458E-08	7.73604E-09	1.76775E-14	8.27309E-16	8.82342E-15	1.37645E-16
464	570390.6	4178519	0.55, 41785	0.13706	0.10653	0.12954	86.4192	34.09518	99.00991	14.4032	4.78567	16.50165	6.32E-11	2.6E-08	8.27E-09	1.95E-14	5.89E-14	4.65E-14	2.31E-16	5.57E-15	3.08E-16	6.11338E-15	6.317E-11	2.6028E-08	8.26748E-09	1.99383E-14	9.33114E-16	9.95186E-15	1.55249E-16
465	570430.6	4178519	0.55, 41785	0.15657	0.12308	0.14711	93.48729	36.58693	108.68156	15.58121	5.11226	18.11359	7.27E-11	2.81E-08	8.96E-09	2.24E-14	6.78E-14	5.35E-14	2.66E-16	6.42E-15	3.54E-16	7.03869E-15	7.273E-11	2.8114E-08	8.9603E-09	2.29562E-14	1.07435E-15	1.14582E-14	1.78747E-16
466	570470.6	4178519	0.55, 41785	0.18113	0.14422	0.16907	101.65142	39.2669	120.52836	16.9419	5.47129	20.08806	8.49E-11	3.05E-08	9.77E-09	2.62E-14	7.91E-14	6.25E-14	3.1E-16	7.49E-15	4.14E-16	8.21589E-15	8.49E-11	3.0496E-08	9.76769E-09	2.67955E-14	1.25403E-15	1.33745E-14	2.08642E-16
467	570510.6	4178519	0.55, 41785	0.21556	0.17373	0.19928	112.42418	43.21366	137.68321	18.73736	6.23491	22.9472	1.02E-10	3.39E-08	1.08E-08	3.14E-14	9.49E-14	7.5E-14	3.72E-16	8.99E-15	4.96E-16	9.85717E-15	1.019E-10	3.3909E-08	1.08492E-08	3.21484E-14	1.50455E-15	1.60463E-14	2.50322E-16
468	570550.6	4178519	0.55, 41785	0.26244	0.21401	0.23948	127.39838	48.06291	159.66591	20.89373	7.26318	26.61098	1.25E-10	3.82E-08	1.22E-08	3.86E-14	1.16E-13	9.2E-14	4.56E-16	1.1E-14	6.09E-16	1.20905E-14	1.249E-10	3.8248E-08	1.21626E-08	3.94324E-14	1.84543E-15	1.9682E-14	3.07039E-16
469	570590.6	4178519	0.55, 41785	0.32438	0.26815	0.29055	146.74921	52.55391	186.84388	23.05175	8.49659	31.14065	1.56E-10	4.3E-08	1.35E-08	4.81E-14	1.45E-13	1.15E-13	5.69E-16	1.37E-14	7.59E-16	1.50689E-14	1.557E-10	4.2978E-08	1.35318E-08	4.91462E-14	2.30004E-15	2.45304E-14	3.82675E-16
470	570630.6	4178519	0.55, 41785	0.41604	0.34788	0.36203	170.82398	60.03664	221.85088	25.41079	10.076	36.97515	2.01E-10	4.98E-08	1.51E-08	6.2E-14	1.87E-13	1.48E-13	7.34E-16	1.77E-14	9.78E-16	1.94344E-14	2.008E-10	4.9791E-08	1.50845E-08	6.33838E-14	2.96636E-15	3.16369E-14	4.93535E-16
471	570670.6	4178519	0.55, 41785	0.56352	0.47347	0.46761	210.6175	71.54419	266.74609	27.95974	12.2085	44.45768	2.72E-10	5.98E-08	1.68E-08	8.38E-14	2.53E-13	2E-13	9.92E-16	2.4E-14	1.32E-15	2.6283E-14	2.716E-10	5.9843E-08	1.6837E-08	8.572E-14	4.0117E-15	4.27856E-14	6.67455E-16
472	570710.6	4178519	0.55, 41785	0.82936	0.69158	0.6351	257.30872	94.91316	337.8148	32.16359	16.3308	53.60133	3.94E-10	7.73E-08	1.95E-08	1.22E-13	3.67E-13	2.9E-13	1.44E-15	3.48E-14	1.92E-15	3.81271E-14	3.94E-10	7.725E-08	1.95245E-08	1.24349E-13	5.81952E-15	6.20664E-14	9.68237E-16
473	570750.6	4178519	0.55, 41785	1.36529	1.13262	0.93188	327.60111	130.96882	473.41526	45.80096	29.91109	62.68561	6.39E-10	1.06E-07	2.69E-08	1.97E-13	5.95E-13	4.7E-13	2.33E-15	5.64E-14	3.11E-15	6.18119E-14	6.387E-10	1.0566E-07	2.69376E-08	2.01595E-13	9.43465E-15	1.00623E-13	1.56971E-15
474	570790.6	4178519	0.55, 41785	2.09469	1.90095	1.39228	339.24086	174.34023	730.67406	59.4987	49.70987	91.33426	1.05E-09	1.42E-07	3.56E-08	3.24E-13	9.79E-13	7.74E-13	3.84E-15	9.28E-14	5.12E-15	1.01723E-13	1.051E-09	1.4211E-07	3.56218E-08	3.31761E-13	1.55264E-14	1.65592E-13	2.58324E-15
475	570990.6	4178519	0.55, 41785	30.9381	16.28557	11.79039	1645.60932	278.46944	1244.70182	444.29015	131.46412	279.7997	9.66E-09	2.88E-07	2.4E-07	2.98E-12	9E-12	7.11E-12	3.53E-14	8.52E-13	4.7E-14	9.3442E-13	9.656E-09	2.8792E-07	2.40485E-07	3.04754E-12	1.42625E-13	1.52113E-12	2.37296E-14
476	571030.6	4178519	0.55, 41785	10.39533	8.05295	7.62595	575.07494	188.36146	999.69988	130.51861	75.45666	173.23921	4.64E-09	1.77E-07	7.64E-08	1.43E-12	4.32E-12	3.41E-12	1.7E-14	4.09E-13	2.26E-14	4.49002E-13	4.64E-09	1.7746E-07	7.64216E-08	1.46439E-12	6.85334E-14	7.30923E-13	1.14024E-14
477	571070.6	4178519	0.55, 41785	5.62777	5.38206	5.21191	327.13066	151.27996	542.64793	61.45445	56.79768	91.26612	3.04E-09	1.19E-07	3.66E-08	9.38E-13	2.83E-12	2.24E-12	1.11E-14	2.68E-13	1.48E-14	2.9431E-13	3.041E-09	1.1918E-07	3.6598E-08	9.59871E-13	4.4922E-14	4.79102E-13	7.474E-15
478	571110.6	4178519	0.55, 41785	3.70135	3.92679	3.70614	194.51307	130.68512	402.95521	41.68788	44.49195	69.09918	2.19E-09	9.43E-08	2.53E-08	6.76E-13	2.04E-12	1.61E-12	8.01E-15	1.93E-13	1.07E-14	2.12151E-13	2.192E-09	9.4314E-08	2.52823E-08	6.91916E-13	3.23817E-14	3.45357E-13	5.38757E-15
479	571150.6	4178519	0.55, 41785	2.69329	3.00723	2.77155	208.02281	103.35418	440.08145	30.40761	37.50867	55.01018	1.67E-09	8.5E-08	1.87E-08	5.15E-13	1.55E-12	1.23E-12	6.09E-15	1.47E-13	8.12E-15	1.61367E-13	1.667E-09	8.5039E-08	1.87335E-08	5.26288E-13	2.46303E-14	2.62687E-13	4.09792E-15
480	571190.6	4178519	0.55, 41785	2.08526	2.38411	2.19601	205.94825	100.14217	330.97092	32.90062	31.32752	44.74048	1.32E-09	7.66E-08	1.93E-08	4.07E-13	1.23E-12	9.71E-13	4.82E-15	1.16E-13	6.43E-15	1.27678E-13	1.319E-09	7.6566E-08	1.9332E-08	4.16412E-13	1.94881E-14	2.07844E-13	3.24237E-15
481	571230.6	4178519	0.55, 41785	1.66362	1.91731	1.76389	215.41751	83.66277	360.55042	30.77393	25.17962	52.13444	1.06E-09	7.15E-08	1.87E-08	3.27E-13	9.88E-13	7.8E-13	3.87E-15	9.36E-14	5.16E-15	1.026E-13	1.06E-09	7.1497E-08	1.87348E-08	3.34623E-13	1.56604E-14	1.67021E-13	2.60553E-15
482	571270.6	4178519	0.55, 41785	1.38104	1.58176	1.44385	194.90891	74.63088	227.07234	31.16799	21.56574	34.54332	8.74E-10	5.79E-08	1.78E-08	2.7E-13	8.15E-13	6.44E-13	3.19E-15	7.72E-14	4.26E-15	8.46165E-14	8.744E-10	5.7921E-08	1.78166E-08	2.75971E-13	1.29154E-14	1.37746E-13	2.14883E-15
483	571310.6	4178519	0.55, 41785	1.18628	1.33473	1.24995	227.7435	74.01926	353.91479	34.0231	18.88588	51.12416	7.41E-10	6.74E-08	2.03E-08	2.29E-13	6.9E-13	5.45E-13	2.71E-15	6.54E-14	3.61E-15	7.16982E-14	7.409E-10	6.7356E-08	2.02996E-08	2.33839E-13	1.09436E-14	1.16716E-13	1.82077E-15
484	571350.6	4178519	0.55, 41785	1.02794	1.1349	1.10387	186.21806	66.32591	255.87469	28.09378	16.3212	37.6065	6.34E-10	5.56E-08	1.65E-08	1.96E-13	5.9E-13	4.66E-13	2.31E-15	5.59E-14	3.09E-15	6.13105E-14	6.336E-10	5.5564E-08	1.64697E-08	1.9996E-13	9.35812E-15	9.98063E-14	1.55698E-15
485	571390.6	4178519	0.55, 41785	0.88898	0.96986	0.94947	165.64096	58.31983	230.86073	23.55305	14.40747	29.95608	5.42E-10	4.93E-08	1.37E-08	1.67E-13	5.05E-13	3.99E-13	1.98E-15	4.79E-14	2.64E-15	5.24839E-14	5.423E-10	4.9326E-08	1.3708E-08	1.71172E-13	8.01087E-15	8.54376E-14	1.33283E-15
486	571430.6	4178519	0.55, 41785	0.7696	0.83467	0.8102	166.81635	54.79876	235.11797	23.72844	12.50769	32.6638	4.67E-10	4.81E-08	1.4E-08	1.44E-13	4.35E-13	3.43E-13	1.7E-15	4.12E-14	2.27E-15	4.51479E-14	4.665E-10	4.8069E-08	1.39677E-08	1.47246E-13	6.89114E-15	7.34954E-14	1.14653E-15
487	571470.6	4178519	0.55, 41785	0.67066	0.72494	0.7032	138.40145	51.97552	171.46902	19.82816	10.73341	24.30543	4.05E-10	4.13E-08	1.15E-08	1.25E-13	3.78E-13	2.98E-13	1.48E-15	3.58E-14	1.97E-15	3.92205E-14	4.053E-10	4.1318E-08	1.14822E-08	1.27915E-13	5.98641E-15	6.38463E-14	9.96003E-16
488	571510.6	4178519	0.55, 41785	0.58987	0.63439	0.62004	93.94363	49.66848	89.41667	13.736	9.50533	13.29785	3.55E-10	3.28E-08	7.73E-09	1.1E-13	3.31E-13	2.61E-13	1.3E-15	3.13E-14	1.73E-15	3.43649E-14	3.551E-10	3.2819E-08	7.72978E-09	1.12079E-13	5.24528E-15	5.5942E-14	8.72696E-16
489	571550.6	4178519	0.55, 41785	0.52422	0.55926	0.55249	64.7066	47.53612	82.72316	9.81761	8.44297	11.85775	3.14E-10	2.99E-08	5.67E-09	9.68E-14	2.92E-13	2.31E-13	1.15E-15	2.77E-14	1.53E-15	3.03519E-14	3.136E-10	2.995E-08	5.67401E-09	9.89904E-14	4.63275E-15	4.94093E-14	7.70785E-16
490	571590.6	4178519	0.55, 41785	0.47148	0.49721	0.49682	75.39988	45.27823	83.60413	9.54319	7.49343	11.2302	2.79E-10	2.95E-08	5.5E-09	8.62E-14	2.6E-13	2.06E-13	1.02E-15	2.47E-14	1.36E-15	2.70455E-14	2.795E-10	2.9531E-08	5.49663E-09	8.82069E-14	4.12808E-15	4.40269E-14	6.8682E-16
491	570310.6	4178559	0.55, 41785	0.10731	0.08405	0.10201	76.80272	30.54078	89.48595	12.80045	4.19275	14.91432	4.98E-11	2.33E-08	7.36E-09	1.54E-14	4.64E-14	3.66E-14	1.82E-16	4.39E-15	2.43E-16	4.81807E-15	4.979E-11	2.3334E-08	7.36329E-09	1.57138E-14	7.35406E-16	7.84326E-15	1.22355E-16
492	570350.6	4178559	0.55, 41785	0.11907	0.09438	0.11262	82.9813	31.5625	94.82328	13.39224	4.31782	15.80388	5.57E-11	2.44E-08	7.72E-09	1.72E-14	5.19E-14	4.1E-14	2.04E-16	4.92E-15	2.71E-16	5.39138E-15	5.571E-11	2.4447E-08	7.71639E-09	1.75836E-14	8.22913E-16	8.77654E-15	1.36914E-16
493	570390.6	4178559	0.55, 41785	0.1339	0.10748	0.12591	90.55746	32.83588	101.05325	14.07263	4.47793	16.84221	6.32E-11	2.58E-08	8.12E-09	1.95E-14	5.89E-14	4.65E-14	2.31E-16	5.58E-15	3.08E-16	6.11701E-15	6.321E-11	2.58E-08	8.12335E-09	1.99502E-14	9.33668E-16	9.95777E-15	1.55341E-16
494	570430.6	4178559	0.55, 41785	0.15297	0.12443	0.14282	99.07784	34.42492	111.25467	14.88754	4.68196	18.0897	7.29E-11	2.76E-08	8.61E-09	2.25E-14	6.79E-14	5.36E-14	2.66E-16	6.43E-15	3.55E-16	7.05355E-15	7.289E-11	2.7596E-08	8.61102E-09	2.30046E-14	1.07662E-15	1.14823E-14	1.79125E-16
495	570470.6	4178559	0.55, 41785	0.17711	0.14611	0.16369	108.3811	37.13833	125.77833	15.68816	5.10948	19.33096	8.52E-11	3.02E-08	9.09E-09	2.63E-14	7.94E-14	6.27E-14	3.11E-16	7.52E-15	4.15E-16	8.24554E-15	8.521E-11	3.0211E-08	9.09113E-09	2.68922E-14	1.25856E-15	1.34228E-14	2.09395E-16
496	570510.6	4178559	0.55, 41785	0.21022	0.1758	0.19176	119.02071	41.74654	144.28309	16.67371	5.7123	20.76073	1.02E-10	3.4E-08	9.68E-09	3.15E-14	9.51E-14	7.51E-14	3.73E-16	9.01E-15	4.97E-16	9.87505E-15	1.02E-10	3.4001E-08	9.67591E-09	3.22068E-14	1.50728E-15	1.60754E-14	2.50777E-16
497	570550.6	4178559	0.55, 41785	0.25686	0.21737	0.22998	138.81712	48.97119	169.0217	17.78034	6.5378	22.20322	1.26E-10	3.98E-08	1.03E-08	3.87E-14	1.17E-13	9.24E-14	4.59E-16	1.11E-14	6.12E-16	1.21513E-14	1.256E-10	3.983E-08	1.03222E-08	3.96307E-14	1.85472E-15	1.97809E-14	3.08583E-16
498	570590.6	4178559	0.55, 41785	0.31921	0.27311	0.27901	158.95656	55.69599	196.40207	19.86957	7.90259	24.55026	1.57E-10	4.56E-08	1.15E-08	4.84E-14	1.46E-13	1.16E-13	5.73E-16	1.39E-14	7.65E-16	1.5189E-14	1.57E-10	4.5619E-08	1.15185E-08	4.95378E-14	2.31837E-15	2.47259E-14	3.85724E-16
499	570630.6	4178559	0.55, 41785	0.41072	0.35398	0.34795	180.38278	65.18573	228.48167	22.54785	9.64997	28.56021	2.02E-10	5.3E-08	1.31E-08	6.25E-14	1.89E-13	1.49E-13	7.39E-16	1.79E-14	9.86E-16	1.95878E-14	2.024E-10	5.3017E-08	1.31155E-08	6.38843E-14	2.98978E-15	3.18867E-14	4.97432E-16
500	570670.6	4178559	0.55, 41785	0.55178	0.47716	0.45068	218.05495	85.23197	290.43238	27.25687	14.02323	36.30405	2.72E-10	6.79E-08	1.6E-08	8.38E-14	2.53E-13	2E-13	9.92E-16	2.4E-14	1.32E-15	2.62823E-14	2.716E-10	6.7891E-08	1.59675E-08	8.57179E-14	4.0116E-15	4.27845E-14	6.67438E-16
501	570710.6	4178559	0.55, 41785	0.78132	0.6809	0.62169	244.71244	105.12049	355.26836	32.595	21.74638	44.40855	3.86E-10	8.23E-08	1.92E-08	1.19E-13	3.6E-13	2.84E-13	1.41E-15	3.41E-14	1.88E-15	3.74332E-14	3.859E-10	8.2317E-08	1.91577E-08	1.21792E-13	5.69987E-15	6.07903E-14	9.48329E-16
502	570750.6	4178559	0.55, 41785	1.13763	1.02831	0.92752	276.33124	124.7524	514.56755	39.47589	32.46528	64.32094	5.8E-10	1.03E-07	2.39E-08	1.79E-13	5.4E-13	4.27E-13	2.12E-15	5.12E-14	2.82E-15	5.61188E-14	5.799E-10	1.0287E-07	2.38703E-08	1.83027E-13	8.56569E-15	9.13549E-14	1.42514E-15
503	570790.6	4178559	0.55, 41785	1.48115	1.46435	1.34156	285.306	157.20995	776.24295	43.19026	42.97795	97.2658	8.2E-10	1.35E-07	2.78E-08	2.53E-13	7.64E-13	6.04E-13	3E-15	7.24E-14	3.99E-15	7.93606E-14	8.201E-10	1.3455E-07	2.78464E-08	2.58829E-13	1.21132E-14	1.2919E-13	2.01536E-15
504	570830.6	4178559	0.55, 41785	2.67811	2.99292	2.3948	342.02881	178.80856	871.65336	66.23843	64.34565	121.28657	1.64E-09	1.53E-07	4.09E-08	5.05E-13	1.52E-12	1.2E-12	5.98E-15	1.44E-13	7.97E-15	1.58356E-13	1.636E-09	1.5321E-07	4.09005E-08	5.16468E-13	2.41707E-14	2.57785E-13	4.02145E-15
505	570950.6	4178559	0.55, 41785	26.55575	12.00196	5.05287	679.01352	318.67052	1487.06516	280.37281	116.3834	245.48668	7.08E-09	2.72E-07	1.56E-07	2.18E-12	6.59E-12	5.21E-12	2.59E-14	6.24E-13	3.45E-14	6.8476E-13	7.076E-09	2.7236E-07	1.56131E-07	2.23329E-12	1.04518E-13	1.11471E-12	1.73894E-14
506	570990.6	4178559	0.55, 41785	10.52141	6.96087	4.44153	639.29991	205.65266	1371.63359	133.52138	75.6432	174.17097	3.95E-09	2.12E-07	7.8E-08	1.22E-12	3.68E-12	2.91E-12	1.44E-14	3.49E-13	1.93E-14	3.82455E-13	3.952E-09	2.121E-07	7.79861E-08	1.24735E-12	5.8376E-14	6.22593E-13	9.71244E-15
507	571030.6	4178559	0.55, 41785	6.12086	4.69941	3.63304	562.31532	143.87555	907.33173	97.52112	53.65332	135.00156	2.66E-09	1.51E-07	5.75E-08	8.2E-13	2.48E-12	1.96E-12	9.71E-15	2.35E-13	1.3E-14	2.57273E-13	2.659E-09	1.5091E-07	5.74535E-08	8.39079E-13	3.92689E-14	4.18811E-13	6.53345E-15
508	571070.6	4178559	0.55, 41785	4.00501	3.46908	2.98955	291.75499	122.4939	364.39166	69.10596	41.80504	75.82917	1.96E-09	9.31E-08	3.95E-08	6.04E-13	1.82E-12	1.44E-12	7.15E-15	1.73E-13	9.53E-15	1.89285E-13	1.956E-09	9.311E-08	3.94549E-08	6.17341E-13	2.88915E-14	3.08134E-13	4.8069E-15
509	571110.6	4178559	0.55, 41785	2.89394	2.70355	2.4438	288.47324	105.99812	437.78623	48.03981	36.46899	59.71453	1.52E-09	9.02E-08	2.79E-08	4.69E-13	1.42E-12	1.12E-12	5.55E-15	1.34E-13	7.4E-15	1.47099E-13	1.52E-09	9.0167E-08	2.78716E-08	4.79752E-13	2.24524E-14	2.3946E-13	3.73557E-15
510	571150.6	4178559	0.55, 41785	2.21115	2.17534	2.01472	240.56187	97.79178	377.92847	31.90722	30.3701	47.66793	1.22E-09	8.02E-08	1.9E-08	3.77E-13	1.14E-12	8.98E-13	4.46E-15	1.08E-13	5.94E-15	1.1808E-13	1.22E-09	8.0242E-08	1.90196E-08	3.85109E-13	1.80231E-14	1.9222E-13	2.99863E-15
511	571190.6	4178559	0.55, 41785	1.76303	1.79806	1.6955	177.14345	83.63267	264.27885	24.55859	26.34777	34.50528	1.01E-09	6.34E-08	1.45E-08	3.11E-13	9.38E-13	7.41E-13	3.68E-15	8.89E-14	4.91E-15	9.74686E-14	1.007E-09	6.3435E-08	1.45006E-08	3.17887E-13	1.48771E-14	1.58667E-13	2.47521E-15
512	571230.6	4178559	0.55, 41785	1.44054	1.50665	1.43503	192.87207	80.98435	306.26039	29.09943	22.26218	51.0434	8.43E-10	6.57E-08	1.78E-08	2.6E-13	7.85E-13	6.2E-13	3.08E-15	7.44E-14	4.11E-15	8.15794E-14	8.43E-10	6.5703E-08	1.78261E-08	2.66065E-13	1.24519E-14	1.32802E-13	2.07171E-15
513	571270.6	4178559	0.55, 41785	1.19178	1.27042	1.20125	167.21575	71.42327	283.3883	22.32638	19.23301	35.42354	7.09E-10	5.86E-08	1.34E-08	2.19E-13	6.61E-13	5.22E-13	2.59E-15	6.26E-14	3.45E-15	6.86221E-14	7.091E-10	5.8642E-08	1.34398E-08	2.23806E-13	1.04741E-14	1.11709E-13	1.74266E-15
514	571310.6	4178559	0.55, 41785	1.01245	1.08581	1.02025	169.23295	65.49002	155.67948	26.6418	16.91234	25.18935	6.05E-10	4.8E-08	1.5E-08	1.87E-13	5.64E-13	4.46E-13	2.21E-15	5.34E-14	2.95E-15	5.85806E-14	6.053E-10	4.7971E-08	1.49542E-08	1.91056E-13	8.94144E-15	9.53624E-14	1.48765E-15
515	571350.6	4178559	0.55, 41785	0.8838	0.94242	0.90608	194.09519	63.64749	285.0024	28.90026	14.99354	40.61241	5.27E-10	5.66E-08	1.71E-08	1.63E-13	4.91E-13	3.88E-13	1.93E-15	4.65E-14	2.57E-15	5.09956E-14	5.27E-10	5.6605E-08	1.70646E-08	1.66318E-13	7.7837E-15	8.30148E-14	1.29503E-15
516	571390.6	4178559	0.55, 41785	0.78025	0.82372	0.8159	158.10154	57.98385	206.74246	23.81897	12.89204	30.22211	4.63E-10	4.73E-08	1.39E-08	1.43E-13	4.31E-13	3.4E-13	1.69E-15	4.08E-14	2.25E-15	4.47577E-14	4.625E-10	4.7262E-08	1.38582E-08	1.45974E-13	6.83158E-15	7.28602E-14	1.13662E-15
517	571430.6	4178559	0.55, 41785	0.68512	0.72115	0.71821	137.68904	52.2569	180.06144	18.93914	11.62385	25.68604	4.05E-10	4.2E-08	1.11E-08	1.25E-13	3.78E-13	2.98E-13	1.48E-15	3.58E-14	1.97E-15	3.92184E-14	4.053E-10	4.1954E-08	1.1124E-08	1.27908E-13	5.98609E-15	6.38429E-14	9.95949E-16
518	571470.6	4178559	0.55, 41785	0.60049	0.63425	0.62389	143.56241	49.93475	187.32246	19.90478	10.29716	25.60594	3.56E-10	4.17E-08	1.16E-08	1.1E-13	3.32E-13	2.62E-13	1.3E-15	3.14E-14	1.73E-15	3.44346E-14	3.558E-10	4.1666E-08	1.16031E-08	1.12306E-13	5.25591E-15	5.60555E-14	8.74465E-16
519	571510.6	4178559	0.55, 41785	0.52736	0.56045	0.5447	131.02036	47.72087	167.66109	18.26486	8.99798	23.11602	3.14E-10	3.88E-08	1.06E-08	9.68E-14	2.92E-13	2.31E-13	1.15E-15	2.77E-14	1.53E-15	3.03714E-14	3.138E-10	3.8785E-08	1.0623E-08	9.9054E-14	4.63573E-15	4.9441E-14	7.7128E-16
520	571550.6	4178559	0.55, 41785	0.46874	0.49944	0.48529	99.50634	45.73793	109.0385	14.05158	8.03042	15.4257	2.8E-10	3.26E-08	8.02E-09	8.63E-14	2.61E-13	2.06E-13	1.02E-15	2.47E-14	1.36E-15	2.70585E-14	2.796E-10	3.2574E-08	8.02296E-09	8.82494E-14	4.13007E-15	4.40481E-14	6.8715E-16
521	571590.6	4178559	0.55, 41785	0.42104	0.44786	0.43792	63.39282	43.98321	60.02596	9.17705	7.35207	9.24249	2.51E-10	2.68E-08	5.19E-09	7.74E-14	2.34E-13	1.85E-13	9.17E-16	2.21E-14	1.22E-15	2.42844E-14	2.509E-10	2.6842E-08	5.187E-09	7.92017E-14	3.70664E-15	3.95321E-14	6.16701E-16
522	570310.6	4178599	0.55, 41785	0.10507	0.08466	0.09914	83.25071	28.48032	95.05484	11.19876	3.62883	12.56574	4.98E-11	2.31E-08	6.41E-09	1.54E-14	4.64E-14	3.66E-14	1.82E-16	4.39E-15	2.42E-16	4.81606E-15	4.977E-11	2.3086E-08	6.41134E-09	1.57072E-14	7.35098E-16	7.83998E-15	1.22304E-16
523	570350.6	4178599	0.55, 41785	0.11716	0.09561	0.10985	88.57329	30.33455	103.53599	11.44069	3.79182	12.942	5.6E-11	2.47E-08	6.56E-09	1.73E-14	5.22E-14	4.12E-14	2.05E-16	4.94E-15	2.73E-16	5.41864E-15	5.599E-11	2.473E-08	6.55649E-09	1.76725E-14	8.27073E-16	8.82091E-15	1.37606E-16
524	570390.6	4178599	0.55, 41785	0.13131	0.10865	0.12235	93.2639	32.45644	112.44406	11.65799	4.05706	14.05551	6.34E-11	2.65E-08	6.74E-09	1.96E-14	5.91E-14	4.66E-14	2.32E-16	5.59E-15	3.09E-16	6.13345E-15	6.338E-11	2.6489E-08	6.73606E-09	2.00038E-14	9.36179E-16	9.98455E-15	1.55759E-16
525	570430.6	4178599	0.55, 41785	0.15022	0.126	0.13878	103.53542	36.02365	122.12845	12.94193	4.50296	15.26606	7.32E-11	2.92E-08	7.46E-09	2.26E-14	6.82E-14	5.39E-14	2.67E-16	6.46E-15	3.57E-16	7.0837E-15	7.32E-11	2.9232E-08	7.45652E-09	2.3103E-14	1.08122E-15	1.15314E-14	1.7989E-16
526	570470.6	4178599	0.55, 41785	0.17421	0.14819	0.15942	115.63183	39.91557	131.63773	14.45398	5.34922	16.45472	8.57E-11	3.22E-08	8.29E-09	2.65E-14	7.99E-14	6.31E-14	3.13E-16	7.57E-15	4.18E-16	8.29579E-15	8.572E-11	3.2202E-08	8.28996E-09	2.70561E-14	1.26623E-15	1.35046E-14	2.10671E-16
527	570510.6	4178599	0.55, 41785	0.20799	0.17912	0.18803	128.15759	44.52485	154.67263	16.0197	6.36274	19.33408	1.03E-10	3.64E-08	9.26E-09	3.18E-14	9.61E-14	7.59E-14	3.77E-16	9.11E-15	5.03E-16	9.98597E-15	1.032E-10	3.6384E-08	9.25754E-09	3.25685E-14	1.52421E-15	1.6256E-14	2.53594E-16
528	570550.6	4178599	0.55, 41785	0.25382	0.22088	0.22625	141.74172	51.90419	182.47104	17.71771	7.41488	22.80888	1.27E-10	4.22E-08	1.03E-08	3.91E-14	1.18E-13	9.33E-14	4.63E-16	1.12E-14	6.17E-16	1.22666E-14	1.268E-10	4.2153E-08	1.03292E-08	4.00065E-14	1.8723E-15	1.99685E-14	3.11509E-16
529	570590.6	4178599	0.55, 41785	0.31442	0.27626	0.27638	161.8077	62.94071	207.9054	20.22596	8.27119	25.98817	1.58E-10	4.98E-08	1.18E-08	4.87E-14	1.47E-13	1.16E-13	5.77E-16	1.39E-14	7.7E-16	1.52867E-14	1.58E-10	4.9758E-08	1.17883E-08	4.98564E-14	2.33328E-15	2.48849E-14	3.88205E-16
530	570630.6	4178599	0.55, 41785	0.39904	0.35395	0.34775	187.04764	77.01967	233.41259	23.38095	12.20463	29.17657	2.02E-10	5.9E-08	1.36E-08	6.23E-14	1.88E-13	1.49E-13	7.37E-16	1.78E-14	9.83E-16	1.95279E-14	2.018E-10	5.9E-08	1.35723E-08	6.36889E-14	2.98064E-15	3.17892E-14	4.95911E-16
531	570670.6	4178599	0.55, 41785	0.52025	0.46779	0.4567	203.91154	89.67976	314.96286	27.18561	17.16092	39.37036	2.66E-10	7.07E-08	1.61E-08	8.21E-14	2.48E-13	1.96E-13	9.72E-16	2.35E-14	1.3E-15	2.57559E-14	2.661E-10	7.0733E-08	1.61262E-08	8.40009E-14	3.93124E-15	4.19275E-14	6.54069E-16
532	570710.6	4178599	0.55, 41785	0.68748	0.63563	0.62617	226.5911	101.22552	383.25212	32.37016	22.387	47.90652	3.61E-10	8.14E-08	1.93E-08	1.11E-13	3.36E-13	2.66E-13	1.32E-15	3.19E-14	1.76E-15	3.49359E-14	3.61E-10	8.1418E-08	1.92669E-08	1.13941E-13	5.33243E-15	5.68715E-14	8.87196E-16
533	570750.6	4178599	0.55, 41785	0.91976	0.89022	0.88415	243.41497	114.05895	499.75889	34.77357	31.00996	69.4997	5.04E-10	9.54E-08	2.18E-08	1.55E-13	4.69E-13	3.71E-13	1.84E-15	4.45E-14	2.45E-15	4.87614E-14	5.039E-10	9.5444E-08	2.18414E-08	1.59032E-13	7.44268E-15	7.93778E-14	1.23829E-15
534	570790.6	4178599	0.55, 41785	1.20615	1.22781	1.16033	261.32328	130.44037	537.17009	39.31654	39.06207	73.65107	6.88E-10	1.06E-07	2.44E-08	2.12E-13	6.41E-13	5.06E-13	2.51E-15	6.07E-14	3.35E-15	6.65835E-14	6.88E-10	1.0611E-07	2.43822E-08	2.17157E-13	1.0163E-14	1.0839E-13	1.69089E-15
535	570830.6	4178599	0.55, 41785	1.86035	2.06593	1.53512	307.79075	158.37727	606.96091	57.33573	51.17396	80.52216	1.12E-09	1.25E-07	3.39E-08	3.46E-13	1.05E-12	8.26E-13	4.1E-15	9.91E-14	5.47E-15	1.08643E-13	1.123E-09	1.2548E-07	3.38517E-08	3.5433E-13	1.65826E-14	1.76857E-13	2.75898E-15
536	570870.6	4178599	0.55, 41785	2.81953	3.8452	1.88016	429.66876	238.19724	679.18896	77.96533	87.47681	90.64703	1.99E-09	1.72E-07	4.48E-08	6.16E-13	1.86E-12	1.47E-12	7.29E-15	1.76E-13	9.72E-15	1.93056E-13	1.995E-09	1.7221E-07	4.48362E-08	6.29637E-13	2.9467E-14	3.14272E-13	4.90264E-15
537	570910.6	4178599	0.55, 41785	4.21414	6.38342	2.32175	555.65098	273.48442	945.27353	124.98504	103.73159	124.24769	3.24E-09	2.11E-07	7.05E-08	9.99E-13	3.02E-12	2.38E-12	1.18E-14	2.86E-13	1.58E-14	3.13293E-13	3.237E-09	2.1138E-07	7.05401E-08	1.02178E-12	4.78195E-14	5.10005E-13	7.95608E-15
538	570950.6	4178599	0.55, 41785	4.59898	4.54538	2.28746	563.80012	195.03038	769.06119	96.52509	58.5202	125.1466	2.43E-09	1.65E-07	5.63E-08	7.49E-13	2.26E-12	1.79E-12	8.87E-15	2.14E-13	1.18E-14	2.34825E-13	2.427E-09	1.6527E-07	5.63291E-08	7.65864E-13	3.58424E-14	3.82267E-13	5.96337E-15
539	570990.6	4178599	0.55, 41785	3.82228	3.4158	2.10211	387.45867	157.86758	722.29473	74.93195	45.58999	97.36969	1.87E-09	1.37E-07	4.37E-08	5.76E-13	1.74E-12	1.37E-12	6.82E-15	1.65E-13	9.09E-15	1.80618E-13	1.866E-09	1.3661E-07	4.37419E-08	5.89072E-13	2.75686E-14	2.94025E-13	4.58678E-15
540	571030.6	4178599	0.55, 41785	3.02247	2.69987	1.99871	442.17309	124.03841	776.22539	67.82636	38.72372	97.59907	1.5E-09	1.28E-07	4.02E-08	4.62E-13	1.39E-12	1.1E-12	5.47E-15	1.32E-13	7.29E-15	1.44838E-13	1.497E-09	1.2756E-07	4.01941E-08	4.72377E-13	2.21073E-14	2.35779E-13	3.67815E-15
541	571070.6	4178599	0.55, 41785	2.43201	2.20804	1.81695	323.32852	105.96293	523.5768	49.87717	32.54487	75.45431	1.23E-09	9.74E-08	2.98E-08	3.81E-13	1.15E-12	9.08E-13	4.51E-15	1.09E-13	6.01E-15	1.19376E-13	1.234E-09	9.7361E-08	2.9791E-08	3.89337E-13	1.8221E-14	1.94331E-13	3.03156E-15
542	571110.6	4178599	0.55, 41785	1.9361	1.83698	1.53551	285.52756	89.63178	395.42144	42.26506	28.59229	57.87538	1.02E-09	8E-08	2.49E-08	3.16E-13	9.53E-13	7.53E-13	3.74E-15	9.03E-14	4.99E-15	9.90336E-14	1.023E-09	7.9956E-08	2.48598E-08	3.22991E-13	1.5116E-14	1.61215E-13	2.51495E-15
543	571150.6	4178599	0.55, 41785	1.58315	1.55537	1.34493	182.41041	88.91432	301.39134	29.75311	25.20352	37.67392	8.66E-10	6.84E-08	1.73E-08	2.67E-13	8.07E-13	6.38E-13	3.17E-15	7.65E-14	4.22E-15	8.3851E-14	8.665E-10	6.8436E-08	1.73058E-08	2.73474E-13	1.27986E-14	1.365E-13	2.12939E-15
544	571190.6	4178599	0.55, 41785	1.33739	1.33597	1.20735	189.26194	77.8274	237.13522	24.55337	21.99349	31.52399	7.46E-10	5.97E-08	1.43E-08	2.3E-13	6.95E-13	5.49E-13	2.73E-15	6.59E-14	3.64E-15	7.22328E-14	7.464E-10	5.9713E-08	1.43089E-08	2.35582E-13	1.10252E-14	1.17587E-13	1.83435E-15
545	571230.6	4178599	0.55, 41785	1.14183	1.1549	1.07779	177.02423	70.01537	247.02933	25.42204	18.83046	36.19826	6.47E-10	5.62E-08	1.5E-08	2E-13	6.03E-13	4.76E-13	2.36E-15	5.71E-14	3.15E-15	6.25818E-14	6.467E-10	5.62E-08	1.50409E-08	2.04106E-13	9.55216E-15	1.01876E-13	1.58926E-15
546	571270.6	4178599	0.55, 41785	0.97959	1.00523	0.95378	160.46118	68.49451	236.51718	22.92303	16.81937	33.9008	5.63E-10	5.4E-08	1.36E-08	1.74E-13	5.25E-13	4.14E-13	2.06E-15	4.97E-14	2.74E-15	5.44976E-14	5.632E-10	5.4007E-08	1.36423E-08	1.7774E-13	8.31823E-15	8.87157E-14	1.38396E-15
547	571310.6	4178599	0.55, 41785	0.84011	0.87488	0.82502	131.92842	62.86665	193.55215	16.49105	15.16442	24.19402	4.89E-10	4.73E-08	9.8E-09	1.51E-13	4.56E-13	3.6E-13	1.79E-15	4.32E-14	2.38E-15	4.73384E-14	4.892E-10	4.7298E-08	9.8021E-09	1.54391E-13	7.22549E-15	7.70614E-14	1.20216E-15
548	571350.6	4178599	0.55, 41785	0.73896	0.77159	0.73066	149.85158	58.69155	153.82017	22.55392	13.49962	22.49489	4.32E-10	4.38E-08	1.27E-08	1.33E-13	4.02E-13	3.18E-13	1.58E-15	3.81E-14	2.1E-15	4.17586E-14	4.315E-10	4.3806E-08	1.27339E-08	1.36193E-13	6.37381E-15	6.79781E-14	1.06046E-15
549	571390.6	4178599	0.55, 41785	0.661	0.68563	0.66671	168.50279	56.32456	235.09945	24.41155	12.10471	32.40344	3.85E-10	4.88E-08	1.43E-08	1.19E-13	3.58E-13	2.83E-13	1.41E-15	3.4E-14	1.87E-15	3.7235E-14	3.848E-10	4.8841E-08	1.42936E-08	1.21439E-13	5.68335E-15	6.06141E-14	9.45581E-16
550	571430.6	4178599	0.55, 41785	0.59511	0.61204	0.61151	136.17098	51.76249	171.68803	20.03651	10.61326	24.28892	3.45E-10	4.11E-08	1.16E-08	1.06E-13	3.21E-13	2.54E-13	1.26E-15	3.04E-14	1.68E-15	3.33637E-14	3.448E-10	4.1123E-08	1.15856E-08	1.08813E-13	5.09246E-15	5.43122E-14	8.4727E-16
551	571470.6	4178599	0.55, 41785	0.53051	0.54561	0.54811	117.9441	47.17442	154.11151	16.84916	9.40387	22.01593	3.08E-10	3.7E-08	9.84E-09	9.49E-14	2.87E-13	2.26E-13	1.12E-15	2.71E-14	1.5E-15	2.97607E-14	3.075E-10	3.7016E-08	9.84348E-09	9.70622E-14	4.54251E-15	4.84469E-14	7.55771E-16
552	571510.6	4178599	0.55, 41785	0.47218	0.48877	0.48576	120.07824	45.51387	145.12306	16.38718	8.49605	19.65912	2.75E-10	3.58E-08	9.46E-09	8.49E-14	2.56E-13	2.02E-13	1E-15	2.43E-14	1.34E-15	2.6613E-14	2.75E-10	3.5806E-08	9.46239E-09	8.67964E-14	4.06207E-15	4.33229E-14	6.75837E-16
553	571550.6	4178599	0.55, 41785	0.42043	0.43954	0.43052	119.99429	43.92883	151.34582	16.43506	7.56489	20.5622	2.47E-10	3.55E-08	9.54E-09	7.61E-14	2.3E-13	1.82E-13	9.01E-16	2.18E-14	1.2E-15	2.38732E-14	2.467E-10	3.5482E-08	9.54367E-09	7.78606E-14	3.64388E-15	3.88627E-14	6.06258E-16
554	571590.6	4178599	0.55, 41785	0.37632	0.39688	0.38556	100.33698	42.40478	116.86516	13.86046	7.00095	16.11187	2.22E-10	3.16E-08	7.97E-09	6.86E-14	2.07E-13	1.64E-13	8.12E-16	1.96E-14	1.08E-15	2.15204E-14	2.224E-10	3.1611E-08	7.97066E-09	7.01873E-14	3.28476E-15	3.50327E-14	5.4651E-16
555	570310.6	4178639	0.55, 41786	0.10356	0.08559	0.09711	83.92303	29.66661	96.15389	10.49038	3.70833	12.01924	5E-11	2.37E-08	6.02E-09	1.54E-14	4.66E-14	3.68E-14	1.83E-16	4.41E-15	2.43E-16	4.83674E-15	4.998E-11	2.3725E-08	6.02154E-09	1.57747E-14	7.38254E-16	7.87364E-15	1.22829E-16
556	570350.6	4178639	0.55, 41786	0.1161	0.09716	0.10841	92.63397	32.60646	103.61771	11.57925	4.08084	12.95221	5.65E-11	2.6E-08	6.63E-09	1.74E-14	5.27E-14	4.16E-14	2.07E-16	4.99E-15	2.75E-16	5.47218E-15	5.655E-11	2.5965E-08	6.6266E-09	1.78471E-14	8.35246E-16	8.90807E-15	1.38966E-16
557	570390.6	4178639	0.55, 41786	0.13068	0.11086	0.1215	100.54346	34.97331	116.66288	12.56793	4.70976	14.58286	6.43E-11	2.83E-08	7.23E-09	1.98E-14	5.99E-14	4.73E-14	2.35E-16	5.67E-15	3.13E-16	6.22151E-15	6.429E-11	2.826E-08	7.22569E-09	2.0291E-14	9.49619E-16	1.01279E-14	1.57995E-16
558	570430.6	4178639	0.55, 41786	0.14929	0.12834	0.13819	107.49924	37.52244	130.89362	13.4374	5.36035	16.3617	7.42E-11	3.07E-08	7.77E-09	2.29E-14	6.91E-14	5.46E-14	2.71E-16	6.55E-15	3.61E-16	7.17755E-15	7.417E-11	3.0664E-08	7.77441E-09	2.34091E-14	1.09554E-15	1.16842E-14	1.82274E-16
559	570470.6	4178639	0.55, 41786	0.17443	0.15183	0.16061	116.62505	42.4162	145.19757	14.57813	6.05946	18.1497	8.75E-11	3.42E-08	8.46E-09	2.7E-14	8.15E-14	6.44E-14	3.19E-16	7.72E-15	4.26E-16	8.4629E-15	8.745E-11	3.424E-08	8.45971E-09	2.76011E-14	1.29173E-15	1.37766E-14	2.14915E-16
560	570510.6	4178639	0.55, 41786	0.20768	0.18277	0.19013	127.00459	48.18252	156.06863	15.87557	6.71257	19.50858	1.05E-10	3.81E-08	9.2E-09	3.24E-14	9.78E-14	7.72E-14	3.83E-16	9.26E-15	5.11E-16	1.01565E-14	1.05E-10	3.8054E-08	9.19635E-09	3.31247E-14	1.55024E-15	1.65336E-14	2.57924E-16
561	570550.6	4178639	0.55, 41786	0.2504	0.22269	0.22841	148.76746	59.99627	172.72318	18.59593	7.58374	21.5904	1.28E-10	4.55E-08	1.07E-08	3.94E-14	1.19E-13	9.39E-14	4.66E-16	1.13E-14	6.21E-16	1.23419E-14	1.275E-10	4.5538E-08	1.06922E-08	4.02524E-14	1.88381E-15	2.00912E-14	3.13423E-16
562	570590.6	4178639	0.55, 41786	0.30521	0.27478	0.27907	162.38276	69.4472	222.88998	20.29784	10.74133	27.86125	1.57E-10	5.37E-08	1.19E-08	4.84E-14	1.46E-13	1.16E-13	5.74E-16	1.39E-14	7.65E-16	1.51934E-14	1.57E-10	5.3669E-08	1.19432E-08	4.95523E-14	2.31905E-15	2.47331E-14	3.85837E-16
563	570630.6	4178639	0.55, 41786	0.37839	0.34592	0.35098	177.15033	78.68271	266.26636	23.7109	14.16715	33.28329	1.97E-10	6.13E-08	1.4E-08	6.09E-14	1.84E-13	1.45E-13	7.21E-16	1.74E-14	9.61E-16	1.90962E-14	1.973E-10	6.1331E-08	1.39982E-08	6.22809E-14	2.91475E-15	3.10864E-14	4.84948E-16

564	570670.6	4178639	0.55, 41786	0.47152	0.44129	0.44999	194.04584	86.02037	313.51443	27.72083	17.24466	39.1893	2.51E-10	6.85E-08	1.64E-08	7.75E-14	2.34E-13	1.85E-13	9.18E-16	2.22E-14	1.22E-15	2.43199E-14	2.513E-10	6.8492E-08	1.63831E-08	7.93174E-14	3.71206E-15	3.95899E-14	6.17602E-16
565	570710.6	4178639	0.55, 41786	0.59058	0.57043	0.57865	207.44684	93.90742	372.29223	29.63526	21.88085	53.1846	3.24E-10	7.65E-08	1.82E-08	9.99E-14	3.02E-13	2.38E-13	1.18E-15	2.86E-14	1.58E-15	3.13254E-14	3.237E-10	7.6454E-08	1.82305E-08	1.02165E-13	4.78134E-15	5.0994E-14	7.95506E-16
566	570750.6	4178639	0.55, 41786	0.7421	0.74424	0.7234	219.27007	107.04803	379.32522	31.3243	27.05481	52.15596	4.19E-10	8.34E-08	1.9E-08	1.29E-13	3.9E-13	3.08E-13	1.53E-15	3.7E-14	2.04E-15	4.05368E-14	4.189E-10	8.3421E-08	1.90121E-08	1.32208E-13	6.18733E-15	6.59892E-14	1.02943E-15
567	570790.6	4178639	0.55, 41786	0.94425	0.97087	0.85006	237.37937	117.94026	412.19598	33.01145	30.70173	55.76703	5.39E-10	9.13E-08	2.01E-08	1.66E-13	5.02E-13	3.97E-13	1.97E-15	4.76E-14	2.63E-15	5.21891E-14	5.393E-10	9.1332E-08	2.00869E-08	1.70211E-13	7.96588E-15	8.49578E-14	1.32534E-15
568	570830.6	4178639	0.55, 41786	1.23329	1.33292	0.96284	295.25944	130.22679	473.13116	42.69044	39.99654	61.26658	7.24E-10	1.04E-07	2.53E-08	2.23E-13	6.75E-13	5.33E-13	2.65E-15	6.39E-14	3.53E-15	7.00879E-14	7.243E-10	1.0367E-07	2.52882E-08	2.28587E-13	1.06979E-14	1.14095E-13	1.77988E-15
569	570870.6	4178639	0.55, 41786	1.50989	1.73214	1.20169	317.24906	188.19869	615.93486	58.25942	53.82297	76.99186	9.33E-10	1.4E-07	3.41E-08	2.88E-13	8.7E-13	6.87E-13	3.41E-15	8.24E-14	4.55E-15	9.03202E-14	9.333E-10	1.3997E-07	3.40909E-08	2.94573E-13	1.3786E-14	1.47031E-13	2.29368E-15
570	570910.6	4178639	0.55, 41786	1.78259	1.99297	1.30656	332.58479	179.86407	638.76492	63.94152	52.98497	79.84561	1.07E-09	1.38E-07	3.71E-08	3.31E-13	9.98E-13	7.88E-13	3.91E-15	9.45E-14	5.22E-15	1.03676E-13	1.071E-09	1.3844E-07	3.71205E-08	3.38133E-13	1.58246E-14	1.68773E-13	2.63286E-15
571	570950.6	4178639	0.55, 41786	1.86524	1.94862	1.2876	326.77204	147.92341	425.10208	57.64661	41.4452	82.66786	1.05E-09	1.1E-07	3.41E-08	3.25E-13	9.82E-13	7.76E-13	3.85E-15	9.3E-14	5.14E-15	1.02032E-13	1.054E-09	1.102E-07	3.41436E-08	3.3277E-13	1.55736E-14	1.66096E-13	2.5911E-15
572	570990.6	4178639	0.55, 41786	1.76592	1.78245	1.25006	311.73236	122.31574	573.48464	43.80696	33.57582	91.70195	9.72E-10	1.07E-07	2.78E-08	3E-13	9.06E-13	7.15E-13	3.55E-15	8.58E-14	4.74E-15	9.4068E-14	9.721E-10	1.0731E-07	2.77783E-08	3.06796E-13	1.43581E-14	1.53132E-13	2.38886E-15
573	571030.6	4178639	0.55, 41786	1.5977	1.58915	1.17717	263.38378	106.70114	334.97263	40.88022	26.80487	57.79917	8.72E-10	8.27E-08	2.42E-08	2.69E-13	8.12E-13	6.42E-13	3.18E-15	7.69E-14	4.25E-15	8.43658E-14	8.718E-10	8.269E-08	2.41607E-08	2.75153E-13	1.28772E-14	1.37338E-13	2.14247E-15
574	571070.6	4178639	0.55, 41786	1.42629	1.41473	1.18099	323.91584	92.06505	516.79706	44.84431	24.93328	64.76299	7.85E-10	9.07E-08	2.66E-08	2.42E-13	7.31E-13	5.78E-13	2.87E-15	6.93E-14	3.82E-15	7.59419E-14	7.847E-10	9.0699E-08	2.65897E-08	2.47679E-13	1.15914E-14	1.23625E-13	1.92854E-15
575	571110.6	4178639	0.55, 41786	1.27265	1.25146	1.07066	231.49813	85.11921	353.08688	34.4516	22.95032	48.16161	6.96E-10	7.25E-08	2.03E-08	2.15E-13	6.49E-13	5.13E-13	2.54E-15	6.15E-14	3.39E-15	6.73909E-14	6.964E-10	7.2496E-08	2.03265E-08	2.19791E-13	1.02862E-14	1.09704E-13	1.71139E-15
576	571150.6	4178639	0.55, 41786	1.10067	1.1079	0.9372	235.36335	78.49538	345.02109	33.92291	20.75102	48.66179	6.15E-10	6.92E-08	2.01E-08	1.9E-13	5.73E-13	4.52E-13	2.25E-15	5.42E-14	2.99E-15	5.94673E-14	6.145E-10	6.9196E-08	2.00932E-08	1.93948E-13	9.07678E-15	9.68058E-14	1.51017E-15
577	571190.6	4178639	0.55, 41786	0.96404	0.98605	0.85109	150.10185	73.9658	197.92558	22.00887	18.66835	28.93746	5.47E-10	5.35E-08	1.29E-08	1.69E-13	5.1E-13	4.03E-13	2E-15	4.83E-14	2.67E-15	5.29546E-14	5.472E-10	5.3499E-08	1.28692E-08	1.72707E-13	8.08271E-15	8.62038E-14	1.34478E-15
578	571230.6	4178639	0.55, 41786	0.85847	0.87787	0.78438	130.71922	65.23747	181.52397	20.98447	16.26127	28.21366	4.89E-10	4.75E-08	1.23E-08	1.51E-13	4.55E-13	3.6E-13	1.79E-15	4.31E-14	2.38E-15	4.73095E-14	4.889E-10	4.7542E-08	1.23098E-08	1.54297E-13	7.22108E-15	7.70143E-14	1.20142E-15
579	571270.6	4178639	0.55, 41786	0.76521	0.78388	0.72231	147.71702	61.52416	210.17535	22.46264	14.29709	35.02922	4.38E-10	4.85E-08	1.35E-08	1.35E-13	4.08E-13	3.22E-13	1.6E-15	3.86E-14	2.13E-15	4.23721E-14	4.379E-10	4.8549E-08	1.34831E-08	1.38194E-13	6.46746E-15	6.89769E-14	1.07604E-15
580	571310.6	4178639	0.55, 41786	0.67814	0.70066	0.65218	136.41117	59.8434	199.34802	17.34958	13.40052	24.9185	3.91E-10	4.65E-08	1.03E-08	1.21E-13	3.65E-13	2.88E-13	1.43E-15	3.45E-14	1.91E-15	3.78853E-14	3.915E-10	4.6531E-08	1.02785E-08	1.2356E-13	5.78262E-15	6.16729E-14	9.62097E-16
581	571350.6	4178639	0.55, 41786	0.60279	0.6273	0.58324	124.67819	56.4143	162.56927	15.58477	12.33978	20.32116	3.5E-10	4.21E-08	9.1E-09	1.08E-13	3.26E-13	2.58E-13	1.28E-15	3.09E-14	1.71E-15	3.38933E-14	3.502E-10	4.2058E-08	9.1021E-09	1.10541E-13	5.1733E-15	5.51743E-14	8.60719E-16
582	571390.6	4178639	0.55, 41786	0.54567	0.56561	0.53406	134.64293	53.30447	146.45838	19.4501	11.04071	20.47738	3.16E-10	4.01E-08	1.1E-08	9.76E-14	2.95E-13	2.33E-13	1.16E-15	2.79E-14	1.54E-15	3.0621E-14	3.164E-10	4.014E-08	1.10498E-08	9.98681E-14	4.67382E-15	4.98473E-14	7.77618E-16
583	571430.6	4178639	0.55, 41786	0.50035	0.51255	0.49968	147.79016	50.85435	197.85336	20.77571	9.97795	26.64502	2.88E-10	4.3E-08	1.21E-08	8.89E-14	2.68E-13	2.12E-13	1.05E-15	2.54E-14	1.4E-15	2.78737E-14	2.88E-10	4.2963E-08	1.21056E-08	9.09081E-14	4.2545E-15	4.53751E-14	7.07852E-16
584	571470.6	4178639	0.55, 41786	0.45884	0.46513	0.46599	118.76181	47.03177	145.5886	16.94782	8.9119	19.9832	2.62E-10	3.65E-08	9.76E-09	8.1E-14	2.45E-13	1.93E-13	9.59E-16	2.32E-14	1.28E-15	2.53953E-14	2.624E-10	3.6453E-08	9.76401E-09	8.28251E-14	3.87621E-15	4.13406E-14	6.44914E-16
585	571510.6	4178639	0.55, 41786	0.41516	0.4204	0.42431	105.04191	43.02213	132.76114	15.00599	7.61313	18.96588	2.37E-10	3.31E-08	8.73E-09	7.33E-14	2.21E-13	1.75E-13	8.67E-16	2.1E-14	1.16E-15	2.29746E-14	2.374E-10	3.3136E-08	8.72598E-09	7.49299E-14	3.50672E-15	3.73999E-14	5.83439E-16
586	571550.6	4178639	0.55, 41786	0.37489	0.38245	0.3824	101.59712	41.64808	125.74417	13.25702	7.0054	15.71802	2.16E-10	3.19E-08	7.64E-09	6.65E-14	2.01E-13	1.59E-13	7.88E-16	1.9E-14	1.05E-15	2.08648E-14	2.156E-10	3.1897E-08	7.64316E-09	6.8049E-14	3.18469E-15	3.39654E-14	5.2986E-16
587	571590.6	4178639	0.55, 41786	0.33863	0.34937	0.34405	106.83121	40.48294	130.44071	14.45913	6.53587	17.55635	1.96E-10	3.19E-08	8.36E-09	6.06E-14	1.83E-13	1.45E-13	7.18E-16	1.73E-14	9.57E-16	1.90089E-14	1.964E-10	3.1936E-08	8.36242E-09	6.19961E-14	2.90142E-15	3.09442E-14	4.8273E-16
588	570310.6	4178679	0.55, 41786	0.10291	0.0869	0.09701	88.39628	30.98258	103.31105	11.04953	4.21243	12.91388	5.05E-11	2.5E-08	6.36E-09	1.56E-14	4.71E-14	3.72E-14	1.85E-16	4.46E-15	2.46E-16	4.89005E-15	5.053E-11	2.4999E-08	6.35861E-09	1.59486E-14	7.46392E-16	7.96043E-15	1.24183E-16
589	570350.6	4178679	0.55, 41786	0.11574	0.09888	0.10892	93.23081	33.32166	112.3331	11.65385	4.76024	14.04164	5.73E-11	2.69E-08	6.73E-09	1.77E-14	5.34E-14	4.22E-14	2.09E-16	5.06E-15	2.79E-16	5.54855E-15	5.734E-11	2.687E-08	6.7331E-09	1.80962E-14	8.46901E-16	9.03238E-15	1.40905E-16
590	570390.6	4178679	0.55, 41786	0.13137	0.11361	0.12342	99.39798	36.831	119.21549	12.42475	5.26157	14.90194	6.57E-11	2.92E-08	7.17E-09	2.03E-14	6.12E-14	4.83E-14	2.4E-16	5.8E-15	3.2E-16	6.3566E-15	6.569E-11	2.9201E-08	7.17415E-09	2.07316E-14	9.70238E-16	1.03478E-14	1.61426E-16
591	570430.6	4178679	0.55, 41786	0.15074	0.13191	0.14135	105.99103	39.73692	126.723	13.24888	5.6767	15.84037	7.61E-11	3.13E-08	7.65E-09	2.35E-14	7.09E-14	5.6E-14	2.78E-16	6.71E-15	3.7E-16	7.35974E-15	7.605E-11	3.1321E-08	7.64684E-09	2.40033E-14	1.12335E-15	1.19808E-14	1.869E-16
592	570470.6	4178679	0.55, 41786	0.17494	0.15487	0.16378	121.69462	47.75873	135.7735	15.21183	5.96984	16.97169	8.9E-11	3.63E-08	8.7E-09	2.75E-14	8.3E-14	6.55E-14	3.25E-16	7.86E-15	4.34E-16	8.61742E-15	8.905E-11	3.6306E-08	8.70269E-09	2.81051E-14	1.31532E-15	1.40281E-14	2.18839E-16
593	570510.6	4178679	0.55, 41786	0.2057	0.18414	0.19253	135.37794	56.46386	170.3708	16.92224	7.12807	21.29635	1.06E-10	4.31E-08	9.83E-09	3.26E-14	9.84E-14	7.77E-14	3.86E-16	9.32E-15	5.15E-16	1.02212E-14	1.056E-10	4.3118E-08	9.83448E-09	3.33359E-14	1.56012E-15	1.6639E-14	2.59568E-16
594	570550.6	4178679	0.55, 41786	0.2434	0.22078	0.22908	142.10791	62.60325	200.29273	17.76349	9.55219	25.03659	1.26E-10	4.81E-08	1.05E-08	3.9E-14	1.18E-13	9.3E-14	4.62E-16	1.12E-14	6.16E-16	1.22284E-14	1.264E-10	4.8123E-08	1.04935E-08	3.98821E-14	1.86648E-15	1.99064E-14	3.1054E-16
595	570590.6	4178679	0.55, 41786	0.29132	0.2684	0.27784	157.44437	70.02377	210.9671	21.20731	12.01595	26.37089	1.53E-10	5.29E-08	1.23E-08	4.73E-14	1.43E-13	1.13E-13	5.6E-16	1.35E-14	7.47E-16	1.48395E-14	1.533E-10	5.2922E-08	1.23046E-08	4.83979E-14	2.26502E-15	2.41569E-14	3.76848E-16
596	570630.6	4178679	0.55, 41786	0.34871	0.32823	0.33909	170.78411	74.6949	263.98396	24.39773	14.09383	33.40233	1.87E-10	5.91E-08	1.44E-08	5.77E-14	1.74E-13	1.38E-13	6.84E-16	1.65E-14	9.11E-16	1.81061E-14	1.871E-10	5.9067E-08	1.435E-08	5.90518E-14	2.76362E-15	2.94746E-14	4.59804E-16
597	570670.6	4178679	0.55, 41786	0.41782	0.40379	0.41108	181.29369	80.27499	295.25985	25.8991	15.99045	42.12286	2.29E-10	6.41E-08	1.57E-08	7.07E-14	2.14E-13	1.69E-13	8.37E-16	2.02E-14	1.12E-15	2.21821E-14	2.292E-10	6.4098E-08	1.56559E-08	7.23455E-14	3.38577E-15	3.61099E-14	5.63315E-16
598	570710.6	4178679	0.55, 41786	0.49876	0.49687	0.48618	185.88712	90.92914	287.65142	26.5553	19.21501	39.31628	2.8E-10	6.86E-08	1.58E-08	8.64E-14	2.61E-13	2.06E-13	1.02E-15	2.47E-14	1.36E-15	2.70993E-14	2.8E-10	6.8649E-08	1.58068E-08	8.83825E-14	4.1363E-15	4.41145E-14	6.88186E-16
599	570750.6	4178679	0.55, 41786	0.59336	0.60818	0.55751	195.07014	97.11431	330.72411	27.40212	20.89244	45.57898	3.4E-10	7.46E-08	1.66E-08	1.05E-13	3.16E-13	2.5E-13	1.24E-15	3E-14	1.65E-15	3.28553E-14	3.395E-10	7.4634E-08	1.66286E-08	1.07155E-13	5.01487E-15	5.34846E-14	8.3436E-16
600	570790.6	4178679	0.55, 41786	0.71288	0.74367	0.61675	232.56486	100.08812	327.08033	29.70634	25.09865	40.88504	4.1E-10	7.76E-08	1.75E-08	1.27E-13	3.82E-13	3.02E-13	1.5E-15	3.62E-14	2E-15	3.97139E-14	4.104E-10	7.7645E-08	1.7486E-08	1.29524E-13	6.06172E-15	6.46496E-14	1.00853E-15
601	570830.6	4178679	0.55, 41786	0.82835	0.8948	0.66469	250.25968	113.32691	367.70207	36.36599	33.16876	46.21837	4.87E-10	8.71E-08	2.12E-08	1.5E-13	4.54E-13	3.59E-13	1.78E-15	4.3E-14	2.37E-15	4.71652E-14	4.874E-10	8.7085E-08	2.1163E-08	1.53826E-13	7.19905E-15	7.67794E-14	1.19776E-15
602	570870.6	4178679	0.55, 41786	0.92801	1.04065	0.83445	269.45277	158.88347	492.55659	39.41339	35.15016	62.53118	5.69E-10	1.17E-07	2.37E-08	1.76E-13	5.3E-13	4.19E-13	2.08E-15	5.02E-14	2.77E-15	5.50563E-14	5.689E-10	1.1651E-07	2.37255E-08	1.79562E-13	8.40351E-15	8.96253E-14	1.39815E-15
603	570910.6	4178679	0.55, 41786	1.03394	1.13081	0.83809	259.70616	144.94226	471.11442	42.20689	35.5523	58.8893	6.15E-10	1.08E-07	2.49E-08	1.9E-13	5.73E-13	4.53E-13	2.25E-15	5.43E-14	3E-15	5.95303E-14	6.152E-10	1.0837E-07	2.4895E-08	1.94154E-13	9.08639E-15	9.69083E-14	1.51177E-15
604	570950.6	4178679	0.55, 41786	1.05684	1.13643	0.82319	242.80014	123.49716	418.67106	39.92153	30.15323	58.18912	6.18E-10	9.45E-08	2.37E-08	1.91E-13	5.76E-13	4.55E-13	2.26E-15	5.45E-14	3.01E-15	5.97963E-14	6.179E-10	9.4522E-08	2.37048E-08	1.95021E-13	9.127E-15	9.73414E-14	1.51853E-15
605	570990.6	4178679	0.55, 41786	1.01802	1.09421	0.82722	255.86386	105.93706	407.98363	37.15781	26.85338	67.99727	5.97E-10	8.66E-08	2.29E-08	1.84E-13	5.56E-13	4.4E-13	2.18E-15	5.27E-14	2.91E-15	5.77894E-14	5.972E-10	8.6595E-08	2.29414E-08	1.88476E-13	8.82068E-15	9.40744E-14	1.46756E-15
606	571030.6	4178679	0.55, 41786	0.98373	1.03259	0.8073	224.24787	96.85684	406.17161	32.03518	21.71644	50.77145	5.66E-10	8.08E-08	1.93E-08	1.75E-13	5.28E-13	4.17E-13	2.07E-15	5E-14	2.76E-15	5.48118E-14	5.664E-10	8.0784E-08	1.92806E-08	1.78765E-13	8.3662E-15	8.92273E-14	1.39195E-15
607	571070.6	4178679	0.55, 41786	0.92088	0.95493	0.77727	234.21131	81.25508	306.97474	29.84103	18.74017	38.37184	5.26E-10	6.8E-08	1.74E-08	1.62E-13	4.9E-13	3.87E-13	1.92E-15	4.64E-14	2.56E-15	5.09325E-14	5.263E-10	6.7968E-08	1.73942E-08	1.66113E-13	7.77408E-15	8.29122E-14	1.29343E-15
608	571110.6	4178679	0.55, 41786	0.85296	0.87816	0.75636	249.82687	76.90023	376.11255	32.83771	18.41049	47.06858	4.87E-10	7.12E-08	1.94E-08	1.5E-13	4.54E-13	3.58E-13	1.78E-15	4.3E-14	2.37E-15	4.71231E-14	4.869E-10	7.1183E-08	1.94481E-08	1.53689E-13	7.19263E-15	7.67109E-14	1.19669E-15
609	571150.6	4178679	0.55, 41786	0.78449	0.80428	0.7091	184.12399	71.8753	265.86204	26.94504	17.68151	37.98029	4.47E-10	5.86E-08	1.59E-08	1.38E-13	4.17E-13	3.29E-13	1.63E-15	3.95E-14	2.18E-15	4.32753E-14	4.472E-10	5.8592E-08	1.59175E-08	1.41139E-13	6.60531E-15	7.04471E-14	1.09897E-15
610	571190.6	4178679	0.55, 41786	0.70872	0.73542	0.64227	192.12547	69.23049	267.93218	27.25383	16.04767	37.1098	4.08E-10	5.79E-08	1.6E-08	1.26E-13	3.8E-13	3E-13	1.49E-15	3.6E-14	1.99E-15	3.94904E-14	4.081E-10	5.7938E-08	1.60171E-08	1.28795E-13	6.0276E-15	6.42857E-14	1.00286E-15
611	571230.6	4178679	0.55, 41786	0.64141	0.6715	0.58509	152.95792	62.82263	210.7281	21.78847	14.44714	29.62503	3.72E-10	4.94E-08	1.28E-08	1.15E-13	3.47E-13	2.74E-13	1.36E-15	3.28E-14	1.81E-15	3.60216E-14	3.722E-10	4.9435E-08	1.28024E-08	1.17482E-13	5.49816E-15	5.8639E-14	9.14769E-16
612	571270.6	4178679	0.55, 41786	0.5854	0.61191	0.54631	124.65244	57.66905	171.62004	20.54509	12.75642	28.60334	3.4E-10	4.32E-08	1.21E-08	1.05E-13	3.17E-13	2.5E-13	1.24E-15	3E-14	1.66E-15	3.29102E-14	3.401E-10	4.3196E-08	1.21142E-08	1.07334E-13	5.02324E-15	5.35739E-14	8.35752E-16
613	571310.6	4178679	0.55, 41786	0.53447	0.5582	0.50849	125.80787	55.1913	171.33448	17.97255	11.70277	24.47635	3.11E-10	4.21E-08	1.06E-08	9.59E-14	2.9E-13	2.29E-13	1.14E-15	2.74E-14	1.51E-15	3.00859E-14	3.109E-10	4.212E-08	1.05627E-08	9.8123E-14	4.59216E-15	4.89763E-14	7.64031E-16
614	571350.6	4178679	0.55, 41786	0.48504	0.50906	0.46427	111.39997	53.56601	157.83086	13.925	11.19981	19.72886	2.83E-10	3.98E-08	8.23E-09	8.75E-14	2.64E-13	2.09E-13	1.04E-15	2.5E-14	1.38E-15	2.7429E-14	2.834E-10	3.98E-08	8.23243E-09	8.94577E-14	4.18662E-15	4.46512E-14	6.96559E-16
615	571390.6	4178679	0.55, 41786	0.44312	0.4655	0.42576	107.51836	51.27371	117.14548	13.43979	10.40254	14.64318	2.59E-10	3.6E-08	7.67E-09	8E-14	2.42E-13	1.91E-13	9.47E-16	2.29E-14	1.26E-15	2.50874E-14	2.592E-10	3.5989E-08	7.66661E-09	8.18206E-14	3.8292E-15	4.08393E-14	6.37093E-16
616	571430.6	4178679	0.55, 41786	0.41031	0.42684	0.39928	122.12368	48.88835	136.65658	17.23844	9.36082	18.91196	2.38E-10	3.69E-08	9.84E-09	7.36E-14	2.22E-13	1.76E-13	8.71E-16	2.1E-14	1.16E-15	2.30779E-14	2.385E-10	3.6893E-08	9.84176E-09	7.5267E-14	3.5225E-15	3.75682E-14	5.86064E-16
617	571470.6	4178679	0.55, 41786	0.38401	0.39267	0.38101	130.83453	46.56818	169.29762	18.03085	8.50414	22.62935	2.21E-10	3.84E-08	1.05E-08	6.81E-14	2.06E-13	1.62E-13	8.06E-16	1.95E-14	1.07E-15	2.13467E-14	2.206E-10	3.836E-08	1.04748E-08	6.96206E-14	3.25825E-15	3.47499E-14	5.42098E-16
618	571510.6	4178679	0.55, 41786	0.35733	0.36026	0.36021	104.69184	43.30646	125.50481	14.57371	7.68103	16.95061	2.03E-10	3.28E-08	8.38E-09	6.27E-14	1.89E-13	1.5E-13	7.43E-16	1.79E-14	9.9E-16	1.96748E-14	2.033E-10	3.2786E-08	8.38144E-09	6.41678E-14	3.00305E-15	3.20282E-14	4.9964E-16
619	571550.6	4178679	0.55, 41786	0.32923	0.33046	0.33426	93.91251	40.06683	115.0705	13.41607	6.60436	16.43864	1.87E-10	3.01E-08	7.77E-09	5.76E-14	1.74E-13	1.37E-13	6.82E-16	1.65E-14	9.1E-16	1.80781E-14	1.868E-10	3.0118E-08	7.7686E-09	5.89603E-14	2.75934E-15	2.9429E-14	4.59092E-16
620	571590.6	4178679	0.55, 41786	0.30119	0.30402	0.3057	90.51235	37.8645	108.48539	11.49242	5.95997	13.56067	1.72E-10	2.85E-08	6.62E-09	5.3E-14	1.6E-13	1.26E-13	6.27E-16	1.51E-14	8.36E-16	1.66122E-14	1.717E-10	2.8535E-08	6.62167E-09	5.41793E-14	2.53559E-15	2.70426E-14	4.21865E-16
621	570310.6	4178719	0.55, 41787	0.10285	0.08839	0.09803	86.08959	31.99227	98.88317	10.7612	4.57032	12.3604	5.13E-11	2.51E-08	6.18E-09	1.58E-14	4.78E-14	3.77E-14	1.87E-16	4.52E-15	2.5E-16	4.96099E-15	5.126E-11	2.5056E-08	6.17895E-09	1.61799E-14	7.5722E-16	8.07591E-15	1.25984E-16
622	570350.6	4178719	0.55, 41787	0.11563	0.10049	0.11012	90.6137	34.18211	105.82439	11.32671	4.88316	13.22805	5.81E-11	2.67E-08	6.52E-09	1.79E-14	5.42E-14	4.28E-14	2.12E-16	5.13E-15	2.83E-16	5.62557E-15	5.813E-11	2.6712E-08	6.51749E-09	1.83474E-14	8.58659E-16	9.15778E-15	1.42861E-16
623	570390.6	4178719	0.55, 41787	0.13114	0.11521	0.12472	102.01088	38.97546	110.90458	12.75136	5.08393	13.86307	6.65E-11	2.98E-08	7.27E-09	2.05E-14	6.19E-14	4.89E-14	2.43E-16	5.87E-15	3.24E-16	6.43322E-15	6.648E-11	2.9773E-08	7.272E-09	2.09815E-14	9.81933E-16	1.04725E-14	1.63371E-16
624	570430.6	4178719	0.55, 41787	0.15	0.13322	0.1425	114.28488	46.41789	135.81295	14.28561	5.80224	16.97662	7.67E-11	3.53E-08	8.24E-09	2.37E-14	7.14E-14	5.64E-14	2.8E-16	6.77E-15	3.74E-16	7.42029E-15	7.668E-11	3.5329E-08	8.23865E-09	2.42007E-14	1.13259E-15	1.20794E-14	1.88438E-16
625	570470.6	4178719	0.55, 41787	0.17288	0.1553	0.16447	122.16306	52.59309	158.80652	15.27038	6.67803	19.85082	8.92E-11	4E-08	8.91E-09	2.75E-14	8.31E-14	6.56E-14	3.26E-16	7.87E-15	4.34E-16	8.63029E-15	8.918E-11	3.9969E-08	8.91466E-09	2.81471E-14	1.31728E-15	1.40491E-14	2.19166E-16
626	570510.6	4178719	0.55, 41787	0.1999	0.18201	0.19124	126.87173	56.8638	170.00598	15.85897	8.56143	21.25075	1.04E-10	4.28E-08	9.3E-09	3.22E-14	9.72E-14	7.68E-14	3.81E-16	9.2E-15	5.08E-16	1.0092E-14	1.043E-10	4.2843E-08	9.29853E-09	3.29142E-14	1.54039E-15	1.64285E-14	2.56285E-16
627	570550.6	4178719	0.55, 41787	0.2328	0.21534	0.22528	141.7684	62.68438	190.3461	19.27806	10.36338	23.79326	1.23E-10	4.75E-08	1.12E-08	3.8E-14	1.15E-13	9.06E-14	4.5E-16	1.09E-14	6E-16	1.19158E-14	1.231E-10	4.7512E-08	1.11739E-08	3.88626E-14	1.81877E-15	1.93976E-14	3.02602E-16
628	570590.6	4178719	0.55, 41787	0.2704	0.25529	0.2651	152.6333	65.86327	220.26265	21.80476	11.76563	29.62209	1.46E-10	5.14E-08	1.28E-08	4.49E-14	1.36E-13	1.07E-13	5.32E-16	1.28E-14	7.09E-16	1.40869E-14	1.456E-10	5.1393E-08	1.28103E-08	4.59434E-14	2.15015E-15	2.29318E-14	3.57736E-16
629	570630.6	4178719	0.55, 41787	0.31352	0.30328	0.30884	160.25221	70.5161	243.59554	22.89317	12.52474	34.32359	1.72E-10	5.54E-08	1.37E-08	5.31E-14	1.6E-13	1.27E-13	6.29E-16	1.52E-14	8.39E-16	1.66597E-14	1.722E-10	5.5356E-08	1.36542E-08	5.43344E-14	2.54285E-15	2.712E-14	4.23073E-16
630	570670.6	4178719	0.55, 41787	0.36149	0.3594	0.35242	159.13882	79.23774	228.99362	22.73412	14.05012	31.24302	2.03E-10	5.83E-08	1.34E-08	6.25E-14	1.89E-13	1.49E-13	7.4E-16	1.79E-14	9.87E-16	1.96099E-14	2.026E-10	5.8303E-08	1.33791E-08	6.39561E-14	2.99315E-15	3.19226E-14	4.97992E-16
631	570710.6	4178719	0.55, 41787	0.41184	0.42167	0.39325	168.39934	82.78202	268.08178	23.84947	15.22445	37.49142	2.36E-10	6.28E-08	1.43E-08	7.28E-14	2.2E-13	1.74E-13	8.62E-16	2.08E-14	1.15E-15	2.2823E-14	2.358E-10	6.2849E-08	1.43345E-08	7.44356E-14	3.48358E-15	3.71532E-14	5.79589E-16
632	570750.6	4178719	0.55, 41787	0.46631	0.48852	0.43046	193.26616	81.97611	266.60906	24.83922	16.78199	33.32613	2.71E-10	6.37E-08	1.46E-08	8.37E-14	2.53E-13	2E-13	9.9E-16	2.39E-14	1.32E-15	2.62339E-14	2.711E-10	6.3655E-08	1.45665E-08	8.55599E-14	4.0042E-15	4.27057E-14	6.66208E-16
633	570790.6	4178719	0.55, 41787	0.5297	0.5627	0.45402	208.56721	92.88706	267.98327	26.09236	23.00092	33.50993	3.09E-10	6.94E-08	1.52E-08	9.54E-14	2.88E-13	2.28E-13	1.13E-15	2.73E-14	1.51E-15	2.99244E-14	3.092E-10	6.9435E-08	1.52064E-08	9.75962E-14	4.5675E-15	4.87134E-14	7.59928E-16
634	570830.6	4178719	0.55, 41787	0.58417	0.63922	0.49731	206.25232	102.59816	258.13483	28.9378	25.69667	32.26685	3.49E-10	7.31E-08	1.66E-08	1.08E-13	3.25E-13	2.57E-13	1.28E-15	3.08E-14	1.7E-15	3.37942E-14	3.492E-10	7.3068E-08	1.65541E-08	1.10217E-13	5.15817E-15	5.5013E-14	8.58203E-16
635	570870.6	4178719	0.55, 41787	0.63384	0.71183	0.60618	208.40577	136.85909	408.7133	28.70976	24.7437	51.08916	3.91E-10	9.82E-08	1.76E-08	1.21E-13	3.65E-13	2.88E-13	1.43E-15	3.45E-14	1.91E-15	3.78725E-14	3.914E-10	9.8166E-08	1.76336E-08	1.23518E-13	5.78066E-15	6.1652E-14	9.61771E-16
636	570910.6	4178719	0.55, 41787	0.68401	0.75343	0.58123	211.07044	124.31957	366.90455	30.70854	25.49482	45.86307	4.11E-10	9E-08	1.83E-08	1.27E-13	3.83E-13	3.03E-13	1.5E-15	3.63E-14	2E-15	3.97797E-14	4.111E-10	8.9999E-08	1.83042E-08	1.29739E-13	6.07177E-15	6.47567E-14	1.0102E-15
637	570950.6	4178719	0.55, 41787	0.69007	0.76497	0.57081	207.10313	108.18225	376.87466	30.79195	24.65468	47.10933	4.16E-10	8.32E-08	1.84E-08	1.28E-13	3.88E-13	3.06E-13	1.52E-15	3.67E-14	2.03E-15	4.02487E-14	4.159E-10	8.3159E-08	1.84251E-08	1.31268E-13	6.14335E-15	6.55202E-14	1.02211E-15
638	570990.6	4178719	0.55, 41787	0.68048	0.74999	0.58632	206.58356	95.47159	294.44278	32.17827	21.60129	36.80535	4.1E-10	7.22E-08	1.85E-08	1.26E-13	3.82E-13	3.01E-13	1.5E-15	3.62E-14	2E-15	3.96436E-14	4.097E-10	7.2177E-08	1.84665E-08	1.29295E-13	6.05099E-15	6.45351E-14	1.00675E-15
639	571030.6	4178719	0.55, 41787	0.66194	0.72353	0.59736	210.3532	86.11281	328.15995	30.372	18.42489	51.15716	3.97E-10	7.03E-08	1.85E-08	1.23E-13	3.7E-13	2.93E-13	1.45E-15	3.51E-14	1.94E-15	3.84665E-14	3.975E-10	7.029E-08	1.84713E-08	1.25456E-13	5.87133E-15	6.2619E-14	9.76857E-16
640	571070.6	4178719	0.55, 41787	0.64029	0.68839	0.56269	181.70859	76.31707	252.84162	22.73215	15.52213	31.6052	3.78E-10	5.96E-08	1.34E-08	1.17E-13	3.53E-13	2.78E-13	1.38E-15	3.34E-14	1.84E-15	3.66151E-14	3.784E-10	5.9645E-08	1.3401E-08	1.19418E-13	5.58875E-15	5.96052E-14	9.2984E-16
641	571110.6	4178719	0.55, 41787	0.60626	0.64543	0.53034	207.95149	70.27092	268.27126	26.16426	14.32632	33.53391	3.55E-10	5.92E-08	1.52E-08	1.1E-13	3.31E-13	2.61E-13	1.3E-15	3.13E-14	1.73E-15	3.43762E-14	3.552E-10	5.9231E-08	1.5244E-08	1.12116E-13	5.24701E-15	5.59604E-14	8.72983E-16
642	571150.6	4178719	0.55, 41787	0.57256	0.60327	0.52806	200.64391	66.12781	289.68563	25.68735	14.52342	36.23202	3.34E-10	5.84E-08	1.52E-08	1.03E-13	3.12E-13	2.46E-13	1.22E-15	2.95E-14	1.63E-15	3.23583E-14	3.344E-10	5.8352E-08	1.51761E-08	1.05534E-13	4.93901E-15	5.26756E-14	8.21739E-16
643	571190.6	4178719	0.55, 41787	0.53842	0.56251	0.50995	154.3512	63.9477	213.38711	22.19645	14.00077	30.48387	3.13E-10	5.02E-08	1.31E-08	9.66E-14	2.92E-13	2.3E-13	1.14E-15	2.76E-14	1.53E-15	3.03022E-14	3.131E-10	5.0181E-08	1.30614E-08	9.88284E-14	4.62517E-15	4.93284E-14	7.69523E-16
644	571230.6	4178719	0.55, 41787	0.49735	0.52247	0.4676	159.72675	60.41971	199.28282	22.34048	12.75874	27.30767	2.9E-10	4.8E-08	1.29E-08	8.96E-14	2.7E-13	2.14E-13	1.06E-15	2.56E-14	1.41E-15	2.80946E-14	2.903E-10	4.7969E-08	1.29321E-08	9.16286E-14	4.28822E-15	4.57348E-14	7.13463E-16
645	571270.6	4178719	0.55, 41787	0.45612	0.4836	0.42898	144.14128	55.22387	195.55309	20.17616	11.51496	26.9261	2.68E-10	4.46E-08	1.18E-08	8.28E-14	2.5E-13	1.97E-13	9.8E-16	2.37E-14	1.31E-15	2.59602E-14	2.683E-10	4.4601E-08	1.18229E-08	8.46673E-14	3.96243E-15	4.22602E-14	6.59259E-16
646	571310.6	4178719	0.55, 41787	0.42006	0.44717	0.39945	118.44349	52.26024	154.81704	17.97136	10.56882	25.80284	2.48E-10	3.94E-08	1.06E-08	7.66E-14	2.31E-13	1.83E-13	9.07E-16	2.19E-14	1.21E-15	2.40133E-14	2.481E-10	3.9378E-08	1.06463E-08	7.83178E-14	3.66527E-15	3.90909E-14	6.09818E-16
647	571350.6	4178719	0.55, 41787	0.38785	0.41385	0.37184	109.17018	50.24459	147.83356	14.07795	10.0186	18.4792	2.3E-10	3.76E-08	8.23E-09	7.09E-14	2.14E-13	1.69E-13	8.39E-16	2.03E-14	1.12E-15	2.22328E-14	2.297E-10	3.7556E-08	8.22985E-09	7.25107E-14	3.3935E-15	3.61924E-14	5.64601E-16
648	571390.6	4178719	0.55, 41787	0.35875	0.38356	0.34391	87.70597	48.80309	113.13015	10.96325	9.64341	14.14127	2.13E-10	3.36E-08	6.39E-09	6.57E-14	1.98E-13	1.57E-13	7.78E-16	1.88E-14	1.04E-15	2.05977E-14	2.128E-10	3.3616E-08	6.3932E-09	6.71778E-14	3.14392E-15	3.35306E-14	5.23077E-16
649	571430.6	4178719	0.55, 41787	0.33385	0.35563	0.32061	80.9107	47.09106	69.47289	11.59229	8.99084	10.76512	1.98E-10	2.97E-08	6.49E-09	6.1E-14	1.84E-13	1.45E-13	7.22E-16	1.74E-14	9.62E-16	1.91145E-14	1.975E-10	2.9731E-08	6.49442E-09	6.23406E-14	2.91754E-15	3.11162E-14	4.85412E-16
650	571470.6	4178719	0.55, 41787	0.31507	0.33052	0.30587	111.40642	45.19171	126.48359	15.57659	8.16367	17.53078	1.84E-10	3.4E-08	8.92E-09	5.69E-14	1.72E-13	1.36E-13	6.73E-16	1.63E-14	8.98E-16	1.78369E-14	1.843E-10	3.4038E-08	8.92102E-09	5.81737E-14	2.72253E-15	2.90364E-14	4.52967E-16
651	571510.6	4178719	0.55, 41787	0.29891	0.30701	0.29518	116.70467	43.07153	146.87884	15.95519	7.46065	19.6972	1.72E-10	3.46E-08	9.25E-09	5.31E-14	1.6E-13	1.27E-13	6.29E-16	1.52E-14	8.39E-16	1.66668E-14	1.722E-10	3.4646E-08	9.24823E-09	5.43574E-14	2.54393E-15	2.71315E-14	4.23252E-16
652	571550.6	4178719	0.55, 41787	0.28299	0.28542	0.28355	93.20798	40.2806	109.70993	12.81909	6.80365	14.78577	1.61E-10	2.98E-08	7.36E-09	4.97E-14	1.5E-13	1.18E-13	5.88E-16	1.42E-14	7.84E-16	1.55758E-14	1.61E-10	2.9838E-08	7.36448E-09	5.07993E-14	2.37741E-15	2.53555E-14	3.95546E-16
653	571590.6	4178719	0.55, 41787	0.2649	0.26495	0.26753	84.18961	37.57199	100.50298	12.02709	5.93847	14.35757	1.5E-10	2.76E-08	6.94E-09	4.62E-14	1.4E-13	1.1E-13	5.47E-16	1.32E-14	7.3E-16	1.4496E-14	1.498E-10	2.7576E-08	6.94026E-09	4.72777E-14	2.2126E-15	2.35978E-14	3.68126E-16
654	570310.6	4178759	0.55, 41787	0.10291	0.08971	0.0989	86.89901	32.22927	93.76167	10.86238	4.40505	11.72021	5.19E-11	2.49E-08	6.19E-09	1.6E-14	4.84E-14	3.82E-14	1.9E-16	4.58E-15	2.53E-16	5.02418E-15	5.192E-11	2.4879E-08	6.18907E-09	1.6386E-14	7.66865E-16	8.17878E-15	1.27589E-16
655	570350.6	4178759	0.55, 41787	0.11544	0.10167	0.11074	97.89636	38.6449	111.66772	12.23704	4.83061	13.95846	5.87E-11	2.95E-08	7.02E-09	1.81E-14	5.47E-14	4.32E-14	2.14E-16	5.18E-15	2.86E-16	5.6799E-15	5.869E-11	2.9463E-08	7.0202E-09	1.85246E-14	8.66951E-16	9.24621E-15	1.44241E-16
656	570390.6	4178759	0.55, 41787	0.13027	0.11595	0.12485	105.67733	44.34348	129.76492	13.20967	5.54293	16.22061	6.68E-11	3.36E-08	7.65E-09	2.06E-14	6.22E-14	4.91E-14	2.44E-16	5.89E-15	3.25E-16	6.46201E-15	6.678E-11	3.3574E-08	7.6513E-09	2.10754E-14	9.86328E-16	1.05194E-14	1.64103E-16
657	570430.6	4178759	0.55, 41787	0.14773	0.133	0.14184	109.21499	48.49986	141.11126	13.65187	6.24447	17.63891	7.64E-11	3.63E-08	7.96E-09	2.36E-14	7.12E-14	5.62E-14	2.79E-16	6.74E-15	3.72E-16	7.3955E-15	7.642E-11	3.6346E-08	7.96294E-09	2.41199E-14	1.12881E-15	1.2039E-14	1.87808E-16
658	570470.6	4178759	0.55, 41787	0.16767	0.15301	0.16202	117.79795	52.53636	140.35154	14.72474	7.71399	17.54394	8.77E-11	3.86E-08	8.49E-09	2.71E-14	8.17E-14	6.46E-14	3.21E-16	7.74E-15	4.27E-16	8.48981E-15	8.773E-11	3.8552E-08	8.49479E-09	2.76889E-14	1.29584E-15	1.38204E-14	2.15598E-16
659	570510.6	4178759	0.55, 41787	0.191	0.17712	0.1864	128.29828	56.17436	171.94141	17.6792	9.03197	21.49268	1.01E-10	4.27E-08	1.02E-08	3.13E-14	9.44E-14	7.46E-14	3.7E-16	8.94E-15	4.94E-16	9.80533E-15	1.013E-10	4.2728E-08	1.02264E-08	3.19794E-14	1.49664E-15	1.59619E-14	2.49006E-16
660	570550.6	4178759	0.55, 41787	0.21672	0.20498	0.21341	137.63049	58.52483	184.29573	19.6615	9.95092	26.17497	1.17E-10	4.5E-08	1.15E-08	3.61E-14	1.09E-13	8.6E-14	4.27E-16	1.03E-14	5.69E-16	1.13123E-14	1.169E-10	4.5044E-08	1.15172E-08	3.68941E-14	1.72664E-15	1.8415E-14	2.87274E-16
661	570590.6	4178759	0.55, 41787	0.24504	0.23724	0.24166	142.23889	62.68425	205.21483	20.31984	10.25836	28.57469	1.35E-10	4.85E-08	1.2E-08	4.16E-14	1.25E-13	9.91E-14	4.92E-16	1.19E-14	6.56E-16	1.30314E-14	1.347E-10	4.8479E-08	1.19995E-08	4.2501E-14	1.98905E-15	2.12136E-14	3.30932E-16
662	570630.6	4178759	0.55, 41787	0.27554	0.27375	0.26892	139.19636	70.02218	188.40794	19.61007	11.07526	25.7042	1.54E-10	5.06E-08	1.15E-08	4.76E-14	1.44E-13	1.14E-13	5.64E-16	1.36E-14	7.52E-16	1.49405E-14	1.544E-10	5.0565E-08	1.14616E-08	4.87274E-14	2.28044E-15	2.43214E-14	3.79414E-16
663	570670.6	4178759	0.55, 41787	0.30614	0.31293	0.29402	149.31547	72.47289	221.2081	21.10931	12.07881	31.37185	1.75E-10	5.43E-08	1.26E-08	5.41E-14	1.63E-13	1.29E-13	6.4E-16	1.55E-14	8.53E-16	1.69533E-14	1.752E-10	5.4263E-08	1.25727E-08	5.52919E-14	2.58766E-15	2.7598E-14	4.30528E-16
664	570710.6	4178759	0.55, 41787	0.33494	0.35231	0.31792	164.794	71.08708	213.69891	21.55176	13.08376	26.71236	1.96E-10	5.39E-08	1.25E-08	6.05E-14	1.83E-13	1.44E-13	7.16E-16	1.73E-14	9.54E-16	1.89586E-14	1.959E-10	5.3948E-08	1.24989E-08	6.1832E-14	2.89374E-15	3.08623E-14	4.81452E-16
665	570750.6	4178759	0.55, 41787	0.36674	0.3924	0.33661	179.38877	78.60477	216.64393	22.4236	16.36841	27.08049	2.17E-10	5.83E-08	1.3E-08	6.69E-14	2.02E-13	1.6E-13	7.92E-16	1.91E-14	1.06E-15	2.09776E-14	2.168E-10	5.8262E-08	1.29594E-08	6.84168E-14	3.20191E-15	3.4149E-14	5.32725E-16
666	570790.6	4178759	0.55, 41787	0.40357	0.43625	0.34677	166.36606	82.34558	242.62848	21.7564	19.87746	30.35713	2.39E-10	6.09E-08	1.28E-08	7.38E-14	2.23E-13	1.76E-13	8.73E-16	2.11E-14	1.16E-15	2.31329E-14	2.39E-10	6.0935E-08	1.28327E-08	7.54462E-14	3.53088E-15	3.76576E-14	5.87458E-16
667	570830.6	4178759	0.55, 41787	0.43354	0.48203	0.39259	188.6599	98.62945	246.30784	24.95504	19.43466	30.78848	2.64E-10	6.96E-08	1.45E-08	8.15E-14	2.46E-13	1.94E-13	9.65E-16	2.33E-14	1.29E-15	2.55575E-14	2.641E-10	6.9637E-08	1.44637E-08	8.3354E-14	3.90097E-15	4.16046E-14	6.49032E-16
668	570870.6	4178759	0.55, 41787	0.46387	0.52331	0.45582	172.12292	120.25167	329.63715	21.51536	18.67269	41.20464	2.88E-10	8.38E-08	1.34E-08	8.89E-14	2.69E-13	2.12E-13	1.05E-15	2.54E-14	1.4E-15	2.78946E-14	2.882E-10	8.3826E-08	1.33999E-08	9.09761E-14	4.25768E-15	4.54091E-14	7.08382E-16
669	570910.6	4178759	0.55, 41787	0.49085	0.54778	0.42691	176.15826	108.72169	296.15879	23.43896	19.655	37.01985	2.99E-10	7.67E-08	1.41E-08	9.22E-14	2.78E-13	2.2E-13	1.09E-15	2.64E-14	1.46E-15	2.89166E-14	2.988E-10	7.6712E-08	1.40988E-08	9.43094E-14	4.41368E-15	4.70729E-14	7.34337E-16
670	570950.6	4178759	0.55, 41787	0.48762	0.55475	0.41816	180.46301	97.04885	324.78811	24.36206	20.46933	40.59851	3.01E-10	7.35E-08	1.48E-08	9.3E-14	2.81E-13	2.22E-13	1.1E-15	2.66E-14	1.47E-15	2.9151E-14	3.012E-10	7.3487E-08	1.47886E-08	9.50738E-14	4.44945E-15	4.74544E-14	7.40288E-16
671	570990.6	4178759	0.55, 41787	0.49051	0.55159	0.43765	151.23194	87.28492	222.11928	25.20532	17.38113	28.62893	3.01E-10	6.11E-08	1.45E-08	9.29E-14	2.81E-13	2.22E-13	1.1E-15	2.66E-14	1.47E-15	2.9147E-14	3.012E-10	6.1092E-08	1.44522E-08	9.50608E-14	4.44885E-15	4.74479E-14	7.40187E-16
672	571030.6	4178759	0.55, 41787	0.48428	0.53663	0.45626	187.58168	78.86438	272.43541	28.06386	15.68835	45.4059	2.95E-10	6.23E-08	1.69E-08	9.11E-14	2.75E-13	2.17E-13	1.08E-15	2.61E-14	1.44E-15	2.85783E-14	2.953E-10	6.2334E-08	1.69494E-08	9.32061E-14	4.36204E-15	4.65221E-14	7.25745E-16
673	571070.6	4178759	0.55, 41787	0.467	0.51625	0.43604	163.79974	72.83551	258.94072	22.54296	13.46245	32.36759	2.84E-10	5.76E-08	1.34E-08	8.76E-14	2.65E-13	2.09E-13	1.04E-15	2.51E-14	1.38E-15	2.74807E-14	2.84E-10	5.7554E-08	1.33546E-08	8.96262E-14	4.19451E-15	4.47353E-14	6.97871E-16
674	571110.6	4178759	0.55, 41787	0.44755	0.4933	0.39624	157.0432	65.36033	149.25903	19.63651	11.35189	22.10234	2.7E-10	4.69E-08	1.12E-08	8.34E-14	2.52E-13	1.99E-13	9.87E-16	2.38E-14	1.32E-15	2.61401E-14	2.701E-10	4.6887E-08	1.12464E-08	8.52542E-14	3.98989E-15	4.25531E-14	6.63828E-16
675	571150.6	4178759	0.55, 41787	0.4302	0.46818	0.38775	183.98767	62.14189	232.46693	23.05685	11.54043	29.05837	2.57E-10	5.21E-08	1.34E-08	7.94E-14	2.4E-13	1.89E-13	9.4E-16	2.27E-14	1.25E-15	2.49075E-14	2.574E-10	5.2081E-08	1.34023E-08	8.12339E-14	3.80175E-15	4.05464E-14	6.32524E-16
676	571190.6	4178759	0.55, 41787	0.41561	0.44245	0.39452	166.33485	59.4631	232.20811	21.02615	11.70076	29.03347	2.45E-10	5E-08	1.24E-08	7.57E-14	2.29E-13	1.81E-13	8.97E-16	2.17E-14	1.2E-15	2.37554E-14	2.455E-10	4.9962E-08	1.23827E-08	7.74766E-14	3.6259E-15	3.8671E-14	6.03268E-16
677	571230.6	4178759	0.55, 41787	0.39577	0.41616	0.38297	133.04594	57.55284	174.38403	19.00656	11.25795	24.912	2.32E-10	4.37E-08	1.11E-08	7.16E-14	2.16E-13	1.71E-13	8.47E-16	2.05E-14	1.13E-15	2.24407E-14	2.319E-10	4.3745E-08	1.11087E-08	7.31888E-14	3.42524E-15	3.65309E-14	5.69882E-16
678	571270.6	4178759	0.55, 41787	0.36933	0.38979	0.3568	133.93343	52.76944	163.09994	18.49966	10.32502	20.38749	2.17E-10	4.09E-08	1.06E-08	6.7E-14	2.02E-13	1.6E-13	7.93E-16	1.92E-14	1.06E-15	2.10004E-14	2.17E-10	4.0918E-08	1.05676E-08	6.84913E-14	3.20539E-15	3.41862E-14	5.33305E-16
679	571310.6	4178759	0.55, 41787	0.3411	0.36413	0.32902	131.1619	50.25063	168.23883	18.11843	9.56125	22.87944	2.02E-10	4E-08	1.05E-08	6.24E-14	1.88E-13	1.49E-13	7.39E-16	1.78E-14	9.85E-16	1.95724E-14	2.023E-10	3.9969E-08	1.05346E-08	6.38338E-14	2.98742E-15	3.18615E-14	4.9704E-16
680	571350.6	4178759	0.55, 41787	0.31543	0.34037	0.30452	103.20737	47.94128	136.71003	14.62528	9.08266	18.8743	1.89E-10	3.55E-08	8.53E-09	5.82E-14	1.76E-13	1.39E-13	6.89E-16	1.67E-14	9.19E-16	1.82599E-14	1.887E-10	3.551E-08	8.52931E-09	5.95533E-14	2.78709E-15	2.97249E-14	4.63709E-16
681	571390.6	4178759	0.55, 41787	0.29206	0.31801	0.28181	95.20975	46.26011	128.00267	11.90122	8.7596	16.00033	1.76E-10	3.38E-08	6.98E-09	5.43E-14	1.64E-13	1.3E-13	6.43E-16	1.55E-14	8.57E-16	1.70307E-14	1.76E-10	3.3794E-08	6.98135E-09	5.55445E-14	2.59948E-15	2.7724E-14	4.32495E-16
682	571430.6	4178759	0.55, 41787	0.27184	0.29676	0.26169	65.82255	44.97926	77.28464	8.48847	8.42183	11.06277	1.64E-10	2.85E-08	4.96E-09	5.06E-14	1.53E-13	1.21E-13	6E-16	1.45E-14	7.99E-16	1.58813E-14	1.641E-10	2.8509E-08	4.95725E-09	5.17958E-14	2.42404E-15	2.58529E-14	4.03306E-16
683	571470.6	4178759	0.55, 41787	0.25781	0.27877	0.24855	74.19853	43.62462	66.74746	10.92817	7.8818	10.16339	1.54E-10	2.77E-08	6.12E-09	4.77E-14	1.44E-13	1.14E-13	5.64E-16	1.36E-14	7.52E-16	1.49473E-14	1.545E-10	2.7656E-08	6.12331E-09	4.87496E-14	2.28148E-15	2.43325E-14	3.79587E-16
684	571510.6	4178759	0.55, 41787	0.24715	0.26193	0.24035	102.14842	42.0514	116.58455	14.2101	7.23025	16.16505	1.46E-10	3.15E-08	8.15E-09	4.5E-14	1.36E-13	1.07E-13	5.33E-16	1.29E-14	7.1E-16	1.41103E-14	1.458E-10	3.1526E-08	8.14932E-09	4.60199E-14	2.15373E-15	2.297E-14	3.58332E-16
685	571550.6	4178759	0.55, 41787	0.23772	0.24585	0.23427	104.82233	40.15762	128.89855	14.31586	6.66643	17.41071	1.38E-10	3.16E-08	8.28E-09	4.25E-14	1.28E-13	1.01E-13	5.03E-16	1.22E-14	6.71E-16	1.33255E-14	1.377E-10	3.1589E-08	8.28135E-09	4.34603E-14	2.03394E-15	2.16924E-14	3.38402E-16
686	571590.6	4178759	0.55, 41787	0.22808	0.23097	0.22747	83.60184	37.747	96.99907	11.46846	6.12919	13.15855	1.3E-10	2.74E-08	6.58E-09	4.01E-14	1.21E-13	9.57E-14	4.75E-16	1.15E-14	6.34E-16	1.25876E-14	1.301E-10	2.7403E-08	6.58415E-09	4.10536E-14	1.92131E-15	2.04912E-14	3.19662E-16
687	570310.6	4178799	0.55, 41787	0.10253	0.09048	0.09887	92.22772	37.68456	108.42661	11.52846	4.71057	13.55333	5.22E-11	2.85E-08	6.64E-09	1.61E-14	4.87E-14	3.84E-14	1.91E-16	4.61E-15	2.54E-16	5.05571E-15	5.224E-11	2.8537E-08	6.63927E-09	1.64888E-14	7.71677E-16	8.2301E-15	1.2839E-16
688	570350.6	4178799	0.55, 41787	0.11434	0.10195	0.11024	96.42289	41.82094	119.06345	12.05286	5.22762	14.88293	5.87E-11	3.13E-08	6.99E-09	1.81E-14	5.47E-14	4.32E-14	2.15E-16	5.18E-15	2.86E-16	5.68364E-15	5.873E-11	3.1289E-08	6.9865E-09	1.85368E-14	8.67521E-16	9.2523E-15	1.44336E-16
689	570390.6	4178799	0.55, 41787	0.12785	0.11532	0.12365	96.70849	44.28794	121.57528	12.08856	5.83168	15.19691	6.63E-11	3.26E-08	7.02E-09	2.05E-14	6.18E-14	4.88E-14	2.42E-16	5.85E-15	3.23E-16	6.41529E-15	6.629E-11	3.2574E-08	7.02431E-09	2.0923E-14	9.79197E-16	1.04433E-14	1.62916E-16
690	570430.6	4178799	0.55, 41787	0.14288	0.13064	0.13911	109.4746	48.39009	132.26529	13.83026	6.97525	16.53316	7.49E-11	3.57E-08	7.98E-09	2.31E-14	6.98E-14	5.52E-14	2.74E-16	6.61E-15	3.65E-16	7.25202E-15	7.494E-11	3.5748E-08	7.98224E-09	2.36519E-14	1.10691E-15	1.18054E-14	1.84165E-16
691	570470.6	4178799	0.55, 41787	0.15993	0.14857	0.15692	116.3647	50.80214	153.38363	16.31235	7.92735	19.17295	8.5E-11	3.85E-08	9.39E-09	2.62E-14	7.92E-14	6.26E-14	3.11E-16	7.5E-15	4.14E-16	8.22689E-15	8.501E-11	3.8524E-08	9.39404E-09	2.68314E-14	1.25571E-15	1.33924E-14	2.08922E-16
692	570510.6	4178799	0.55, 41787	0.17816	0.16871	0.17591	124.77861	52.11481	162.22151	17.82552	8.49382	23.1745	9.62E-11	4.01E-08	1.04E-08	2.97E-14	8.96E-14	7.08E-14	3.52E-16	8.49E-15	4.69E-16	9.31118E-15	9.622E-11	4.0103E-08	1.04064E-08	3.03677E-14	1.42121E-15	1.51575E-14	2.36457E-16
693	570550.6	4178799	0.55, 41787	0.19752	0.19131	0.19507	126.89522	56.18657	175.78093	18.12789	8.51005	24.21863	1.09E-10	4.29E-08	1.06E-08	3.35E-14	1.01E-13	7.99E-14	3.97E-16	9.58E-15	5.29E-16	1.05093E-14	1.086E-10	4.2905E-08	1.06243E-08	3.42754E-14	1.60409E-15	1.71079E-14	2.66884E-16
694	570590.6	4178799	0.55, 41787	0.21773	0.21627	0.21308	122.68072	62.5324	158.46837	17.14296	9.80776	21.67538	1.22E-10	4.45E-08	9.97E-09	3.77E-14	1.14E-13	8.98E-14	4.46E-16	1.08E-14	5.94E-16	1.18075E-14	1.22E-10	4.4453E-08	9.96917E-09	3.85093E-14	1.80223E-15	1.92212E-14	2.99851E-16
695	570630.6	4178799	0.55, 41787	0.23771	0.24268	0.22932	133.9153	64.36556	188.20796	18.95021	10.72759	26.70167	1.36E-10	4.77E-08	1.12E-08	4.2E-14	1.27E-13	1E-13	4.97E-16	1.2E-14	6.62E-16	1.31569E-14	1.36E-10	4.7735E-08	1.1194E-08	4.29102E-14	2.0082E-15	2.14179E-14	3.34119E-16
696	570670.6	4178799	0.55, 41787	0.25595	0.26895	0.24514	141.94782	63.09907	182.20008	19.13844	10.57117	23.96944	1.5E-10	4.72E-08	1.11E-08	4.62E-14	1.4E-13	1.1E-13	5.47E-16	1.32E-14	7.29E-16	1.44891E-14	1.497E-10	4.7191E-08	1.11151E-08	4.7255E-14	2.21154E-15	2.35865E-14	3.67949E-16
697	570710.6	4178799	0.55, 41787	0.27273	0.29382	0.2595	157.12572	66.69563	192.86918	19.64072	11.93189	24.10865	1.63E-10	5.03E-08	1.14E-08	5.02E-14	1.52E-13	1.2E-13	5.94E-16	1.44E-14	7.93E-16	1.57441E-14	1.627E-10	5.0259E-08	1.13757E-08	5.13481E-14	2.40309E-15	2.56295E-14	3.9982E-16
698	570750.6	4178799	0.55, 41787	0.29355	0.31916	0.26739	152.65771	72.44297	180.42039	19.08221	15.18472	22.55534	1.76E-10	5.18E-08	1.1E-08	5.42E-14	1.64E-13	1.29E-13	6.42E-16	1.55E-14	8.56E-16	1.69997E-14	1.757E-10	5.1832E-08	1.09972E-08	5.54432E-14	2.59474E-15	2.76735E-14	4.31706E-16
699	570790.6	4178799	0.55, 41787	0.31688	0.34759	0.27611	157.73005	72.26845	195.86787	20.13646	16.34526	24.48348	1.9E-10	5.3E-08	1.16E-08	5.87E-14	1.77E-13	1.4E-13	6.95E-16	1.68E-14	9.27E-16	1.84074E-14	1.902E-10	5.299E-08	1.1648E-08	6.00346E-14	2.80962E-15	2.99652E-14	4.67457E-16
700	570830.6	4178799	0.55, 41787	0.33524	0.37796	0.31984	162.23746	94.66133	234.71664	21.09567	14.73083	29.33958	2.08E-10	6.58E-08	1.24E-08	6.41E-14	1.93E-13	1.53E-13	7.58E-16	1.83E-14	1.01E-15	2.00903E-14	2.076E-10	6.5773E-08	1.24369E-08	6.55231E-14	3.06648E-15	3.27047E-14	5.10193E-16
701	570870.6	4178799	0.55, 41787	0.35595	0.40358	0.35265	158.80625	107.46352	263.60655	19.85078	16.70272	32.95082	2.22E-10	7.32E-08	1.2E-08	6.86E-14	2.07E-13	1.64E-13	8.12E-16	1.96E-14	1.08E-15	2.15105E-14	2.223E-10	7.32E-08	1.20419E-08	7.01551E-14	3.28326E-15	3.50166E-14	5.4626E-16
702	570910.6	4178799	0.55, 41787	0.3676	0.41723	0.32417	150.41188	96.98395	247.06251	18.80149	15.72408	30.88281	2.27E-10	6.7E-08	1.14E-08	7.01E-14	2.12E-13	1.67E-13	8.3E-16	2.01E-14	1.11E-15	2.19881E-14	2.272E-10	6.7003E-08	1.13846E-08	7.17128E-14	3.35616E-15	3.57941E-14	5.58388E-16
703	570950.6	4178799	0.55, 41787	0.34637	0.40141	0.30552	159.46188	87.41269	275.63404	19.93273	16.48069	34.45425	2.18E-10	6.5E-08	1.22E-08	6.72E-14	2.03E-13	1.6E-13	7.96E-16	1.92E-14	1.06E-15	2.10796E-14	2.178E-10	6.4962E-08	1.21783E-08	6.87496E-14	3.21748E-15	3.43151E-14	5.35316E-16
704	570990.6	4178799	0.55, 41787	0.35579	0.40756	0.32647	119.48057	79.68844	146.33228	17.5796	14.60553	25.33485	2.22E-10	5.13E-08	1.04E-08	6.86E-14	2.07E-13	1.64E-13	8.13E-16	1.96E-14	1.08E-15	2.15226E-14	2.224E-10	5.1251E-08	1.04202E-08	7.01944E-14	3.2851E-15	3.50363E-14	5.46566E-16
705	571030.6	4178799	0.55, 41787	0.37225	0.416	0.35619	155.14917	72.93395	196.55996	24.86673	12.948	30.87431	2.29E-10	5.32E-08	1.44E-08	7.06E-14	2.13E-13	1.68E-13	8.36E-16	2.02E-14	1.12E-15	2.21539E-14	2.289E-10	5.3203E-08	1.44248E-08	7.22533E-14	3.38145E-15	3.60639E-14	5.62597E-16
706	571070.6	4178799	0.55, 41787	0.3594	0.40135	0.34666	158.59146	67.81733	220.83512	22.65592	11.74555	33.70367	2.21E-10	5.26E-08	1.35E-08	6.82E-14	2.06E-13	1.63E-13	8.08E-16	1.95E-14	1.08E-15	2.13935E-14	2.211E-10	5.2612E-08	1.34959E-08	6.97733E-14	3.26539E-15	3.48261E-14	5.43287E-16
707	571110.6	4178799	0.55, 41787	0.34191	0.38638	0.31575	133.9595	62.41991	198.12185	16.74494	10.40332	24.76523	2.11E-10	4.75E-08	9.97E-09	6.53E-14	1.97E-13	1.56E-13	7.73E-16	1.87E-14	1.03E-15	2.04651E-14	2.115E-10	4.749E-08	9.96561E-09	6.67455E-14	3.12369E-15	3.33148E-14	5.19711E-16
708	571150.6	4178799	0.55, 41787	0.32926	0.37153	0.29721	140.52662	58.47073	122.49716	17.56829	9.74512	16.40698	2.03E-10	4.12E-08	9.85E-09	6.26E-14	1.89E-13	1.49E-13	7.42E-16	1.79E-14	9.89E-16	1.96417E-14	2.03E-10	4.1247E-08	9.84825E-09	6.40598E-14	2.998E-15	3.19743E-14	4.98799E-16
709	571190.6	4178799	0.55, 41787	0.32393	0.35615	0.30055	162.80337	55.99612	201.90064	20.37225	9.46414	25.23758	1.96E-10	4.63E-08	1.18E-08	6.05E-14	1.83E-13	1.44E-13	7.16E-16	1.73E-14	9.55E-16	1.89653E-14	1.96E-10	4.6298E-08	1.18141E-08	6.18541E-14	2.89477E-15	3.08733E-14	4.81624E-16
710	571230.6	4178799	0.55, 41787	0.31732	0.33876	0.30501	141.0743	54.42569	191.70239	17.72831	9.52966	23.96639	1.88E-10	4.38E-08	1.04E-08	5.8E-14	1.75E-13	1.38E-13	6.87E-16	1.66E-14	9.16E-16	1.8202E-14	1.881E-10	4.3841E-08	1.04079E-08	5.93644E-14	2.77825E-15	2.96307E-14	4.62238E-16
711	571270.6	4178799	0.55, 41787	0.30415	0.32027	0.29829	116.54381	51.24633	144.90939	16.64912	9.13765	20.70134	1.79E-10	3.82E-08	9.66E-09	5.51E-14	1.66E-13	1.31E-13	6.53E-16	1.58E-14	8.7E-16	1.72898E-14	1.787E-10	3.8196E-08	9.65981E-09	5.63894E-14	2.63902E-15	2.81457E-14	4.39074E-16
712	571310.6	4178799	0.55, 41787	0.28608	0.30211	0.28212	111.77517	48.08718	136.31939	15.28029	8.60329	17.73191	1.69E-10	3.6E-08	8.79E-09	5.2E-14	1.57E-13	1.24E-13	6.16E-16	1.49E-14	8.21E-16	1.63099E-14	1.685E-10	3.5986E-08	8.78523E-09	5.31937E-14	2.48946E-15	2.65507E-14	4.1419E-16
713	571350.6	4178799	0.55, 41787	0.26522	0.28423	0.2608	116.94553	46.1941	139.01017	15.97517	8.23917	19.97796	1.58E-10	3.56E-08	9.28E-09	4.88E-14	1.47E-13	1.16E-13	5.77E-16	1.39E-14	7.7E-16	1.5297E-14	1.581E-10	3.5566E-08	9.27606E-09	4.989E-14	2.33485E-15	2.49017E-14	3.88467E-16
714	571390.6	4178799	0.55, 41787	0.24309	0.26586	0.23735	101.64822	44.37475	130.479	13.96186	7.97488	17.70328	1.47E-10	3.34E-08	8.12E-09	4.54E-14	1.37E-13	1.08E-13	5.38E-16	1.3E-14	7.17E-16	1.42434E-14	1.472E-10	3.3429E-08	8.12244E-09	4.64537E-14	2.17403E-15	2.31865E-14	3.6171E-16
715	571430.6	4178799	0.55, 41787	0.22645	0.25105	0.21957	78.66707	42.96369	101.00422	10.22882	7.75525	13.14754	1.39E-10	2.98E-08	5.96E-09	4.28E-14	1.29E-13	1.02E-13	5.06E-16	1.22E-14	6.75E-16	1.34067E-14	1.385E-10	2.9757E-08	5.96198E-09	4.37251E-14	2.04633E-15	2.18246E-14	3.40463E-16
716	571470.6	4178799	0.55, 41787	0.21325	0.23694	0.20607	47.64153	41.84289	57.10773	7.70461	7.45296	10.06314	1.31E-10	2.49E-08	4.5E-09	4.03E-14	1.22E-13	9.62E-14	4.77E-16	1.15E-14	6.36E-16	1.26438E-14	1.307E-10	2.4894E-08	4.50087E-09	4.12368E-14	1.92988E-15	2.05826E-14	3.21088E-16
717	571510.6	4178799	0.55, 41787	0.20623	0.22585	0.19985	71.44774	40.73398	67.79843	10.29216	7.00806	9.90291	1.25E-10	2.63E-08	5.79E-09	3.85E-14	1.16E-13	9.19E-14	4.56E-16	1.1E-14	6.08E-16	1.20875E-14	1.249E-10	2.628E-08	5.78793E-09	3.94227E-14	1.84498E-15	1.96771E-14	3.06963E-16
718	571550.6	4178799	0.55, 41787	0.19818	0.21228	0.19356	94.10249	39.35835	107.36049	13.01678	6.4744	14.79864	1.18E-10	2.93E-08	7.46E-09	3.64E-14	1.1E-13	8.68E-14	4.31E-16	1.04E-14	5.75E-16	1.14177E-14	1.18E-10	2.9319E-08	7.4644E-09	3.7238E-14	1.74274E-15	1.85867E-14	2.89952E-16
719	571590.6	4178799	0.55, 41787	0.19254	0.20073	0.18997	94.76849	37.66806	114.23818	12.95063	6.01952	15.50303	1.12E-10	2.9E-08	7.48E-09	3.46E-14	1.05E-13	8.26E-14	4.1E-16	9.91E-15	5.47E-16	1.08643E-14	1.123E-10	2.9027E-08	7.47592E-09	3.54332E-14	1.65827E-15	1.76858E-14	2.75899E-16
720	570310.6	4178839	0.55, 41788	0.10118	0.0904	0.098	86.93136	38.98232	105.93151	10.86642	4.87279	13.24144	5.21E-11	2.87E-08	6.29E-09	1.61E-14	4.85E-14	3.83E-14	1.9E-16	4.6E-15	2.54E-16	5.04025E-15	5.208E-11	2.8695E-08	6.28758E-09	1.64384E-14	7.69318E-16	8.20494E-15	1.27997E-16
721	570350.6	4178839	0.55, 41788	0.1118	0.10104	0.10874	92.10266	41.60712	103.12867	11.51283	5.43734	12.89108	5.81E-11	3E-08	6.59E-09	1.79E-14	5.41E-14	4.28E-14	2.12E-16	5.13E-15	2.83E-16	5.62228E-15	5.81E-11	2.9962E-08	6.58943E-09	1.83367E-14	8.58156E-16	9.15241E-15	1.42778E-16
722	570390.6	4178839	0.55, 41788	0.12335	0.11299	0.12071	101.58992	44.39945	123.8041	13.097	6.32134	15.47551	6.48E-11	3.3E-08	7.55E-09	2E-14	6.04E-14	4.77E-14	2.37E-16	5.72E-15	3.16E-16	6.27355E-15	6.483E-11	3.3013E-08	7.54755E-09	2.04607E-14	9.57562E-16	1.02126E-14	1.59317E-16
723	570430.6	4178839	0.55, 41788	0.13612	0.12663	0.1341	105.75261	46.22171	135.82058	15.10752	6.99394	17.72822	7.25E-11	3.48E-08	8.7E-09	2.24E-14	6.75E-14	5.33E-14	2.65E-16	6.4E-15	3.53E-16	7.01321E-15	7.247E-11	3.4808E-08	8.69838E-09	2.28731E-14	1.07046E-15	1.14167E-14	1.781E-16
724	570470.6	4178839	0.55, 41788	0.14941	0.1416	0.14777	113.55911	47.52324	144.14907	16.22273	7.30549	20.59272	8.08E-11	3.63E-08	9.44E-09	2.49E-14	7.52E-14	5.94E-14	2.95E-16	7.13E-15	3.93E-16	7.81515E-15	8.076E-11	3.6319E-08	9.43916E-09	2.54885E-14	1.19286E-15	1.27221E-14	1.98465E-16
725	570510.6	4178839	0.55, 41788	0.16314	0.158	0.16129	114.44641	50.69094	152.51274	16.21485	7.16417	20.85712	8.97E-11	3.83E-08	9.45E-09	2.77E-14	8.36E-14	6.6E-14	3.28E-16	7.92E-15	4.37E-16	8.68068E-15	8.97E-11	3.8322E-08	9.45198E-09	2.83114E-14	1.32497E-15	1.41311E-14	2.20445E-16
726	570550.6	4178839	0.55, 41788	0.17704	0.17576	0.1737	109.2842	56.30775	135.99936	15.45924	8.75778	18.63755	9.92E-11	3.95E-08	8.93E-09	3.06E-14	9.24E-14	7.3E-14	3.62E-16	8.75E-15	4.83E-16	9.59953E-15	9.92E-11	3.9543E-08	8.93238E-09	3.13082E-14	1.46522E-15	1.56269E-14	2.4378E-16
727	570590.6	4178839	0.55, 41788	0.1907	0.19445	0.18485	121.04262	57.73789	162.59872	17.123	9.62298	23.05827	1.09E-10	4.25E-08	1E-08	3.36E-14	1.02E-13	8.02E-14	3.98E-16	9.62E-15	5.31E-16	1.055E-14	1.09E-10	4.2471E-08	1.00469E-08	3.44081E-14	1.6103E-15	1.71742E-14	2.67917E-16
728	570630.6	4178839	0.55, 41788	0.20316	0.21304	0.19546	125.84874	56.85617	163.76967	17.26057	9.47603	21.8341	1.19E-10	4.24E-08	1E-08	3.66E-14	1.11E-13	8.74E-14	4.34E-16	1.05E-14	5.78E-16	1.14869E-14	1.187E-10	4.2392E-08	1.00382E-08	3.74638E-14	1.75331E-15	1.86994E-14	2.91711E-16
729	570670.6	4178839	0.55, 41788	0.21386	0.23043	0.20601	138.80556	56.19819	167.35734	17.35069	9.51337	20.91967	1.28E-10	4.3E-08	1E-08	3.94E-14	1.19E-13	9.4E-14	4.67E-16	1.13E-14	6.22E-16	1.23625E-14	1.277E-10	4.2981E-08	1.00254E-08	4.03195E-14	1.88695E-15	2.01248E-14	3.13946E-16
730	570710.6	4178839	0.55, 41788	0.22462	0.24643	0.21368	139.69865	64.11019	158.44625	17.46233	11.64998	19.80578	1.36E-10	4.6E-08	1E-08	4.2E-14	1.27E-13	1E-13	4.97E-16	1.2E-14	6.62E-16	1.31601E-14	1.36E-10	4.6026E-08	1.00107E-08	4.29208E-14	2.00869E-15	2.14232E-14	3.34201E-16
731	570750.6	4178839	0.55, 41788	0.23931	0.26333	0.21642	129.30344	65.03758	176.13066	16.25667	13.35444	22.02002	1.45E-10	4.7E-08	9.55E-09	4.46E-14	1.35E-13	1.06E-13	5.28E-16	1.28E-14	7.04E-16	1.3986E-14	1.445E-10	4.7038E-08	9.5467E-09	4.56144E-14	2.13475E-15	2.27676E-14	3.55174E-16
732	570790.6	4178839	0.55, 41788	0.2546	0.28325	0.22784	148.04332	66.52984	161.44916	18.88746	13.10425	20.18115	1.55E-10	4.77E-08	1.07E-08	4.78E-14	1.44E-13	1.14E-13	5.66E-16	1.37E-14	7.55E-16	1.49998E-14	1.55E-10	4.773E-08	1.0749E-08	4.89208E-14	2.28949E-15	2.44179E-14	3.80919E-16
733	570830.6	4178839	0.55, 41788	0.26766	0.30497	0.26524	136.3658	90.38201	203.70222	17.19519	14.05196	26.51864	1.68E-10	6.06E-08	1.03E-08	5.18E-14	1.56E-13	1.24E-13	6.13E-16	1.48E-14	8.18E-16	1.62406E-14	1.678E-10	6.0565E-08	1.03025E-08	5.29675E-14	2.47888E-15	2.64378E-14	4.12429E-16
734	570870.6	4178839	0.55, 41788	0.28248	0.32215	0.27934	145.76117	97.26265	213.43334	18.22015	15.13016	26.67917	1.77E-10	6.48E-08	1.08E-08	5.47E-14	1.65E-13	1.3E-13	6.47E-16	1.56E-14	8.63E-16	1.7149E-14	1.772E-10	6.4759E-08	1.08266E-08	5.59304E-14	2.61754E-15	2.79166E-14	4.35499E-16
735	570910.6	4178839	0.55, 41788	0.28799	0.33135	0.25629	130.6935	87.1686	210.24612	16.33669	13.50967	26.28077	1.8E-10	5.92E-08	9.86E-09	5.56E-14	1.68E-13	1.33E-13	6.58E-16	1.59E-14	8.78E-16	1.74358E-14	1.802E-10	5.9244E-08	9.85707E-09	5.68655E-14	2.66131E-15	2.83834E-14	4.42781E-16
736	570950.6	4178839	0.55, 41788	0.28758	0.33724	0.25781	143.26415	81.64199	232.33178	17.90802	13.93242	29.04147	1.83E-10	5.88E-08	1.08E-08	5.64E-14	1.7E-13	1.35E-13	6.68E-16	1.61E-14	8.91E-16	1.76999E-14	1.829E-10	5.8793E-08	1.08199E-08	5.77271E-14	2.70163E-15	2.88134E-14	4.49489E-16
737	570990.6	4178839	0.55, 41788	0.28844	0.33412	0.27084	115.42228	74.82901	134.90402	15.11344	13.01217	21.06919	1.82E-10	4.81E-08	8.91E-09	5.63E-14	1.7E-13	1.34E-13	6.66E-16	1.61E-14	8.88E-16	1.76481E-14	1.824E-10	4.8131E-08	8.91325E-09	5.7558E-14	2.69371E-15	2.8729E-14	4.48173E-16
738	571030.6	4178839	0.55, 41788	0.29049	0.32848	0.28015	122.60648	67.85889	167.69329	20.43441	11.21527	20.96166	1.81E-10	4.74E-08	1.16E-08	5.57E-14	1.68E-13	1.33E-13	6.6E-16	1.59E-14	8.79E-16	1.74694E-14	1.805E-10	4.7434E-08	1.1574E-08	5.69751E-14	2.66643E-15	2.84381E-14	4.43634E-16
739	571070.6	4178839	0.55, 41788	0.28682	0.32211	0.27916	145.80556	62.69899	194.95005	22.09774	10.44682	32.49167	1.77E-10	4.8E-08	1.31E-08	5.47E-14	1.65E-13	1.31E-13	6.48E-16	1.57E-14	8.64E-16	1.71675E-14	1.774E-10	4.8015E-08	1.31392E-08	5.59906E-14	2.62036E-15	2.79467E-14	4.35968E-16
740	571110.6	4178839	0.55, 41788	0.272	0.3104	0.2597	131.09883	59.8466	180.45962	17.36249	9.97443	23.15348	1.7E-10	4.51E-08	1.02E-08	5.25E-14	1.59E-13	1.25E-13	6.22E-16	1.5E-14	8.29E-16	1.64647E-14	1.701E-10	4.5065E-08	1.0173E-08	5.36983E-14	2.51308E-15	2.68026E-14	4.1812E-16
741	571150.6	4178839	0.55, 41788	0.26	0.30055	0.24148	99.99815	55.57889	134.60776	12.49977	9.26315	16.82597	1.64E-10	3.87E-08	7.33E-09	5.06E-14	1.53E-13	1.21E-13	5.99E-16	1.45E-14	7.99E-16	1.58644E-14	1.639E-10	3.8655E-08	7.33379E-09	5.17406E-14	2.42146E-15	2.58254E-14	4.02876E-16
742	571190.6	4178839	0.55, 41788	0.2552	0.29099	0.23588	127.82601	53.11626	132.48794	15.97966	8.85271	16.56099	1.59E-10	3.88E-08	9.06E-09	4.91E-14	1.48E-13	1.17E-13	5.81E-16	1.4E-14	7.75E-16	1.53896E-14	1.59E-10	3.8823E-08	9.06158E-09	5.01921E-14	2.34899E-15	2.50525E-14	3.90818E-16
743	571230.6	4178839	0.55, 41788	0.25406	0.28009	0.23929	144.46225	51.51588	176.21864	18.06666	8.58598	22.02733	1.54E-10	4.17E-08	1.05E-08	4.76E-14	1.44E-13	1.14E-13	5.64E-16	1.36E-14	7.52E-16	1.49296E-14	1.543E-10	4.172E-08	1.04546E-08	4.86919E-14	2.27878E-15	2.43037E-14	3.79138E-16
744	571270.6	4178839	0.55, 41788	0.2507	0.26766	0.24251	121.82335	49.56018	161.92313	15.26733	8.26003	20.24326	1.49E-10	3.88E-08	8.94E-09	4.59E-14	1.39E-13	1.09E-13	5.43E-16	1.31E-14	7.24E-16	1.43909E-14	1.487E-10	3.8783E-08	8.93802E-09	4.69348E-14	2.19655E-15	2.34267E-14	3.65456E-16
745	571310.6	4178839	0.55, 41788	0.24184	0.25433	0.23951	103.21026	44.65355	122.05645	14.74432	7.58702	17.43664	1.42E-10	3.31E-08	8.5E-09	4.38E-14	1.32E-13	1.05E-13	5.19E-16	1.25E-14	6.92E-16	1.37477E-14	1.421E-10	3.3099E-08	8.4978E-09	4.48372E-14	2.09838E-15	2.23797E-14	3.49123E-16
746	571350.6	4178839	0.55, 41788	0.22797	0.24079	0.22797	99.0464	44.12829	113.73434	14.35742	7.39344	18.63488	1.35E-10	3.21E-08	8.38E-09	4.15E-14	1.25E-13	9.9E-14	4.91E-16	1.19E-14	6.55E-16	1.30184E-14	1.345E-10	3.2124E-08	8.37983E-09	4.24584E-14	1.98705E-15	2.11924E-14	3.30601E-16
747	571390.6	4178839	0.55, 41788	0.21103	0.22733	0.21036	102.76287	42.76623	112.22851	13.91866	7.25999	15.15441	1.26E-10	3.16E-08	7.94E-09	3.9E-14	1.18E-13	9.31E-14	4.62E-16	1.12E-14	6.16E-16	1.22402E-14	1.265E-10	3.1603E-08	7.93911E-09	3.99204E-14	1.86828E-15	1.99256E-14	3.10839E-16
748	571430.6	4178839	0.55, 41788	0.19469	0.21494	0.19186	96.70075	41.37793	118.14409	13.13698	7.12068	15.87157	1.19E-10	3.1E-08	7.59E-09	3.67E-14	1.11E-13	8.75E-14	4.34E-16	1.05E-14	5.79E-16	1.15061E-14	1.189E-10	3.1045E-08	7.59272E-09	3.75263E-14	1.75623E-15	1.87306E-14	2.92197E-16
749	571470.6	4178839	0.55, 41788	0.18137	0.20392	0.17665	77.02264	40.18933	97.95965	10.5662	6.94319	13.29535	1.12E-10	2.82E-08	6.14E-09	3.47E-14	1.05E-13	8.26E-14	4.1E-16	9.91E-15	5.47E-16	1.08668E-14	1.123E-10	2.8231E-08	6.14049E-09	3.54413E-14	1.65865E-15	1.76899E-14	2.75962E-16
750	571510.6	4178839	0.55, 41788	0.17253	0.19446	0.16733	52.60803	39.21497	67.39367	7.34906	6.67327	9.32595	1.07E-10	2.46E-08	4.28E-09	3.3E-14	9.97E-14	7.87E-14	3.91E-16	9.44E-15	5.21E-16	1.03537E-14	1.07E-10	2.4614E-08	4.27586E-09	3.37678E-14	1.58033E-15	1.68546E-14	2.62932E-16
751	571550.6	4178839	0.55, 41788	0.16797	0.18619	0.16347	68.59481	38.25365	67.50423	9.65516	6.29212	9.48561	1.03E-10	2.5E-08	5.44E-09	3.17E-14	9.58E-14	7.56E-14	3.76E-16	9.07E-15	5.01E-16	9.947E-15	1.028E-10	2.4999E-08	5.44211E-09	3.24414E-14	1.51826E-15	1.61926E-14	2.52604E-16
752	571590.6	4178839	0.55, 41788	0.16271	0.17607	0.15959	86.9293	37.04871	99.01478	11.93163	5.86384	13.49632	9.77E-11	2.74E-08	6.84E-09	3.02E-14	9.1E-14	7.19E-14	3.57E-16	8.62E-15	4.76E-16	9.45607E-15	9.771E-11	2.7385E-08	6.83778E-09	3.08403E-14	1.44333E-15	1.53934E-14	2.40137E-16
753	570839.2	4178446	9.17, 41784	74.46739	6.86955	3.72049	1115.31188	246.53605	1658.95445	545.24687	92.47095	232.89196	7.11E-09	2.73E-07	2.88E-07	2.19E-12	6.62E-12	5.23E-12	2.6E-14	6.27E-13	3.46E-14	6.88047E-13	7.11E-09	2.729E-07	2.88123E-07	2.24401E-12	1.0502E-13	1.12006E-12	1.74729E-14
754	570839.2	4178486	9.17, 41784	72.70489	8.35312	4.22209	2611.28562	240.43522	1473.87155	1286.82968	90.10385	245.64526	7.72E-09	3.34E-07	6.61E-07	2.38E-12	7.19E-12	5.68E-12	2.82E-14	6.81E-13	3.76E-14	7.47162E-13	7.721E-09	3.3432E-07	6.60714E-07	2.43682E-12	1.14043E-13	1.21629E-12	1.89742E-14
755	570879.2	4178406	9.17, 41784	9.26791	12.09581	2.86973	654.37651	281.54322	1652.24347	174.87233	99.71055	250.6883	6.1E-09	2.65E-07	1.04E-07	1.88E-12	5.69E-12	4.49E-12	2.23E-14	5.39E-13	2.97E-14	5.90562E-13	6.103E-09	2.6486E-07	1.0357E-07	1.92608E-12	9.01403E-14	9.61366E-13	1.49973E-14
756	570879.2	4178446	9.17, 41784	110.98197	13.33715	11.62742	3333.88644	260.53475	3586.87714	1717.50318	91.01179	770.8732	1.24E-08	5.14E-07	9.1E-07	3.82E-12	1.15E-11	9.11E-12	4.52E-14	1.09E-12	6.03E-14	1.1979E-12	1.238E-08	5.1407E-07	9.09939E-07	3.90686E-12	1.82841E-13	1.95004E-12	3.04206E-14
757	570879.2	4178486	9.17, 41784	18.42358	13.79846	20.70311	473.0449	246.35325	4578.74855	141.68031	100.88031	655.29094	8.47E-09	4.25E-07	1.13E-07	2.61E-12	7.89E-12	6.23E-12	3.09E-14	7.47E-13	4.12E-14	8.19225E-13	8.465E-09	4.2542E-07	1.12592E-07	2.67184E-12	1.25042E-13	1.3336E-12	2.08042E-14
758	570879.2	4178526	9.17, 41785	94.91809	17.71904	9.02777	3340.71117	271.69492	2014.80922	1490.9797	113.49448	441.47053	1.34E-08	4.2E-07	7.75E-07	4.13E-12	1.25E-11	9.84E-12	4.89E-14	1.18E-12	6.51E-14	1.29414E-12	1.337E-08	4.1973E-07	7.75482E-07	4.22073E-12	1.9753E-13	2.1067E-12	3.28645E-14
759	570879.2	4178566	9.17, 41785	6.34056	7.84517	3.48916	517.57011	248.69096	1100.96831	138.67192	92.32789	171.27972	4.08E-09	2.08E-07	8.04E-08	1.26E-12	3.8E-12	3E-12	1.49E-14	3.6E-13	1.99E-14	3.9464E-13	4.078E-09	2.0815E-07	8.03849E-08	1.28709E-12	6.02358E-14	6.42428E-13	1.00219E-14
760	570919.2	4178366	9.17, 41783	2.36921	8.89638	1.45024	279.82249	231.14799	970.86833	50.20448	85.64726	145.20587	4.22E-09	1.8E-07	3.44E-08	1.3E-12	3.93E-12	3.11E-12	1.54E-14	3.72E-13	2.06E-14	4.08463E-13	4.221E-09	1.7993E-07	3.43792E-08	1.33217E-12	6.23456E-14	6.64929E-13	1.03729E-14
761	570919.2	4178406	9.17, 41784	7.16288	18.51893	2.95623	387.12304	281.06153	1814.51514	102.95605	123.97591	301.78328	8.9E-09	2.61E-07	7.08E-08	2.74E-12	8.29E-12	6.55E-12	3.25E-14	7.85E-13	4.33E-14	8.60837E-13	8.895E-09	2.6138E-07	7.07567E-08	2.80756E-12	1.31394E-13	1.40134E-12	2.18609E-14
762	570919.2	4178446	9.17, 41784	30.90779	15.96768	15.85005	761.46723	266.85593	6280.62092	290.35951	97.37786	1155.63511	9.77E-09	5.57E-07	2.19E-07	3.01E-12	9.1E-12	7.19E-12	3.57E-14	8.62E-13	4.76E-14	9.45328E-13	9.769E-09	5.5724E-07	2.18866E-07	3.08312E-12	1.4429E-13	1.53888E-12	2.40066E-14
763	570919.2	4178486	9.17, 41784	29.57453	18.16179	468.02027	992.62163	281.14129	31654.24271	425.98322	121.6397	9353.86757	3.94E-08	2.18E-06	8.07E-07	1.21E-11	3.67E-11	2.9E-11	1.44E-13	3.47E-12	1.92E-13	3.80986E-12	3.937E-08	2.1848E-06	8.06847E-07	1.24256E-11	5.81518E-13	6.20201E-12	9.67514E-14
764	570919.2	4178526	9.17, 41785	19.47257	21.77306	15.13476	427.44744	357.8357	3633.422	126.47105	151.21701	760.0028	1.18E-08	4.13E-07	1.12E-07	3.63E-12	1.1E-11	8.65E-12	4.3E-14	1.04E-12	5.73E-14	1.13793E-12	1.176E-08	4.1338E-07	1.11609E-07	3.71128E-12	1.73688E-13	1.85242E-12	2.88977E-14
765	570919.2	4178566	9.17, 41785	68.70701	17.81326	4.44491	3547.24462	326.79695	1605.72558	1121.59815	123.62419	257.53275	1.18E-08	4.29E-07	5.79E-07	3.64E-12	1.1E-11	8.68E-12	4.31E-14	1.04E-12	5.75E-14	1.14141E-12	1.179E-08	4.2909E-07	5.78631E-07	3.72262E-12	1.74219E-13	1.85808E-12	2.8986E-14
766	570959.2	4178326	9.17, 41783	2.08146	12.83514	1.34475	279.67021	252.56813	633.18912	42.32993	97.81035	79.64117	5.97E-09	1.68E-07	2.63E-08	1.84E-12	5.57E-12	4.4E-12	2.18E-14	5.27E-13	2.91E-14	5.78152E-13	5.974E-09	1.6816E-07	2.62729E-08	1.8856E-12	8.82461E-14	9.41164E-13	1.46822E-14
767	570959.2	4178366	9.17, 41783	2.97969	11.80225	1.85212	241.09871	252.07126	954.07883	42.48046	78.75938	136.29698	5.59E-09	1.86E-07	2.99E-08	1.72E-12	5.21E-12	4.11E-12	2.04E-14	4.93E-13	2.72E-14	5.40638E-13	5.587E-09	1.8633E-07	2.99418E-08	1.76325E-12	8.25201E-14	8.80095E-13	1.37295E-14
768	570959.2	4178406	9.17, 41784	5.48321	18.00699	4.34111	312.89849	292.26242	1429.75284	67.10795	111.57482	238.11199	8.67E-09	2.38E-07	4.87E-08	2.67E-12	8.08E-12	6.38E-12	3.17E-14	7.65E-13	4.22E-14	8.38766E-13	8.667E-09	2.3825E-07	4.87463E-08	2.73558E-12	1.28025E-13	1.36541E-12	2.13005E-14
769	570959.2	4178446	9.17, 41784	13.2141	15.9724	27.93872	471.07205	258.82785	2485.7483	129.31081	100.45092	486.63208	9.64E-09	2.98E-07	9.57E-08	2.97E-12	8.98E-12	7.09E-12	3.52E-14	8.51E-13	4.7E-14	9.32851E-13	9.64E-09	2.9819E-07	9.56936E-08	3.04243E-12	1.42386E-13	1.51857E-12	2.36897E-14
770	570959.2	4178486	9.17, 41784	61.20406	15.71053	62.85492	1330.20017	250.50131	2800.83581	539.4281	101.77571	895.66291	1.42E-08	3.58E-07	3.27E-07	4.37E-12	1.32E-11	1.04E-11	5.18E-14	1.25E-12	6.9E-14	1.3714E-12	1.417E-08	3.5802E-07	3.27243E-07	4.47271E-12	2.09323E-13	2.23247E-12	3.48266E-14
771	570959.2	4178526	9.17, 41785	233.18259	14.04006	12.98457	3491.90215	258.73899	2789.84609	1687.05022	110.68808	397.86928	1.9E-08	4.71E-07	8.71E-07	5.86E-12	1.77E-11	1.4E-11	6.93E-14	1.68E-12	9.25E-14	1.83693E-12	1.898E-08	4.7072E-07	8.71013E-07	5.99102E-12	2.8038E-13	2.99031E-12	4.66488E-14
772	570999.2	4178286	9.17, 41782	4.82709	7.01905	1.81527	541.05323	230.67805	782.52024	117.6944	82.70868	130.42004	3.52E-09	1.81E-07	6.73E-08	1.09E-12	3.28E-12	2.59E-12	1.29E-14	3.11E-13	1.72E-14	3.40911E-13	3.523E-09	1.8103E-07	6.72765E-08	1.11186E-12	5.20349E-14	5.54963E-13	8.65743E-15
773	570999.2	4178326	9.17, 41783	3.49216	17.23511	2.06149	334.8047	281.26172	702.77079	73.88295	121.01705	110.07877	8.07E-09	1.88E-07	4.4E-08	2.49E-12	7.52E-12	5.94E-12	2.95E-14	7.13E-13	3.93E-14	7.8134E-13	8.074E-09	1.883E-07	4.40221E-08	2.54828E-12	1.1926E-13	1.27193E-12	1.98421E-14
774	570999.2	4178366	9.17, 41783	3.49499	15.86199	2.88936	258.09779	262.50756	719.40934	51.99585	99.38677	89.92617	7.51E-09	1.77E-07	3.18E-08	2.32E-12	7E-12	5.53E-12	2.74E-14	6.63E-13	3.66E-14	7.2656E-13	7.508E-09	1.7701E-07	3.17711E-08	2.36962E-12	1.10898E-13	1.18275E-12	1.8451E-14
775	570999.2	4178406	9.17, 41784	4.67229	14.08019	6.50261	269.25985	258.20089	888.73579	48.54927	90.52886	138.83889	6.99E-09	1.86E-07	3.31E-08	2.16E-12	6.52E-12	5.15E-12	2.56E-14	6.17E-13	3.41E-14	6.76823E-13	6.994E-09	1.8638E-07	3.31456E-08	2.20741E-12	1.03307E-13	1.10179E-12	1.71879E-14
776	570999.2	4178446	9.17, 41784	8.21208	17.59623	13.45709	365.10896	254.50285	1091.31402	80.87758	113.65243	185.77432	9.2E-09	2.02E-07	5.23E-08	2.84E-12	8.57E-12	6.77E-12	3.36E-14	8.12E-13	4.48E-14	8.90209E-13	9.199E-09	2.0242E-07	5.23299E-08	2.90335E-12	1.35877E-13	1.44916E-12	2.26068E-14
777	570999.2	4178486	9.17, 41784	18.06608	14.21786	20.31738	585.19163	263.25351	1140.06137	156.20535	101.07997	297.24229	8.61E-09	2.21E-07	9.72E-08	2.66E-12	8.02E-12	6.34E-12	3.15E-14	7.6E-13	4.2E-14	8.3339E-13	8.612E-09	2.2062E-07	9.71644E-08	2.71804E-12	1.27204E-13	1.35666E-12	2.11639E-14
778	571039.2	4178246	9.17, 41782	16.91212	6.90765	2.82369	857.31055	271.11205	1316.76682	274.95229	93.64332	189.48612	4.15E-09	2.49E-07	1.5E-07	1.28E-12	3.87E-12	3.05E-12	1.52E-14	3.66E-13	2.02E-14	4.01585E-13	4.15E-09	2.4918E-07	1.49862E-07	1.30974E-12	6.12959E-14	6.53734E-13	1.01982E-14
779	571039.2	4178286	9.17, 41782	28.85834	15.10006	3.68614	1240.055	260.3069	1323.38037	549.80999	92.85324	215.01085	8.5E-09	2.64E-07	2.89E-07	2.62E-12	7.92E-12	6.26E-12	3.11E-14	7.5E-13	4.14E-14	8.2277E-13	8.502E-09	2.6415E-07	2.89277E-07	2.68341E-12	1.25583E-13	1.33937E-12	2.08942E-14
780	571039.2	4178326	9.17, 41783	6.67676	17.1171	4.10991	443.85334	276.43557	1246.54946	131.23026	111.87763	155.81868	8.31E-09	2.26E-07	7.57E-08	2.57E-12	7.74E-12	6.12E-12	3.04E-14	7.34E-13	4.05E-14	8.04404E-13	8.312E-09	2.2615E-07	7.56734E-08	2.62351E-12	1.2278E-13	1.30948E-12	2.04278E-14
781	571039.2	4178366	9.17, 41783	4.40971	16.57374	4.87433	310.01939	259.88486	992.68074	73.97776	106.04392	160.75052	8E-09	1.96E-07	4.73E-08	2.47E-12	7.45E-12	5.89E-12	2.92E-14	7.06E-13	3.9E-14	7.74271E-13	8.001E-09	1.958E-07	4.72836E-08	2.52523E-12	1.18181E-13	1.26042E-12	1.96626E-14
782	571039.2	4178406	9.17, 41784	4.40492	15.47088	6.2465	249.62047	251.60574	625.26496	54.55389	95.67705	86.62547	7.59E-09	1.66E-07	3.28E-08	2.34E-12	7.07E-12	5.59E-12	2.77E-14	6.7E-13	3.7E-14	7.3458E-13	7.591E-09	1.657E-07	3.28442E-08	2.39578E-12	1.12122E-13	1.19581E-12	1.86546E-14
783	571039.2	4178446	9.17, 41784	6.02235	17.33371	7.45895	271.18693	258.43077	565.95619	53.34538	113.33058	91.15286	8.59E-09	1.66E-07	3.25E-08	2.65E-12	8E-12	6.32E-12	3.14E-14	7.58E-13	4.18E-14	8.31193E-13	8.589E-09	1.661E-07	3.25255E-08	2.71087E-12	1.26869E-13	1.35308E-12	2.11081E-14
784	571079.2	4178246	9.17, 41782	26.90238	12.76385	4.78342	686.22219	257.40547	1959.72628	294.80616	92.56412	417.67679	7.42E-09	2.75E-07	1.74E-07	2.29E-12	6.91E-12	5.46E-12	2.71E-14	6.55E-13	3.61E-14	7.1803E-13	7.42E-09	2.751E-07	1.74289E-07	2.3418E-12	1.09596E-13	1.16887E-12	1.82344E-14
785	571079.2	4178286	9.17, 41782	49.90964	15.92317	13.80121	957.6563	283.49226	4117.74908	414.11972	108.09945	689.22522	1.06E-08	4.38E-07	2.51E-07	3.27E-12	9.86E-12	7.79E-12	3.87E-14	9.34E-13	5.16E-14	1.02412E-12	1.058E-08	4.3751E-07	2.51328E-07	3.34009E-12	1.56316E-13	1.66714E-12	2.60074E-14
786	571079.2	4178326	9.17, 41783	16.67986	14.36437	14.4793	793.60016	243.70787	3077.685	313.14105	91.11491	664.711	8.24E-09	3.45E-07	1.99E-07	2.54E-12	7.67E-12	6.06E-12	3.01E-14	7.27E-13	4.01E-14	7.97137E-13	8.237E-09	3.4529E-07	1.99149E-07	2.59981E-12	1.21671E-13	1.29765E-12	2.02433E-14
787	571079.2	4178366	9.17, 41783	6.18218	17.09307	7.0902	419.38901	255.0076	1488.27193	110.95083	108.56867	287.95219	8.47E-09	2.31E-07	7.39E-08	2.61E-12	7.89E-12	6.23E-12	3.09E-14	7.47E-13	4.12E-14	8.19221E-13	8.465E-09	2.3058E-07	7.38875E-08	2.67183E-12	1.25042E-13	1.3336E-12	2.08041E-14
788	571079.2	4178406	9.17, 41784	4.42977	14.91	5.35349	310.20505	209.99469	815.89349	72.09993	91.11305	117.58287	7.28E-09	1.62E-07	4.36E-08	2.25E-12	6.79E-12	5.36E-12	2.66E-14	6.43E-13	3.55E-14	7.04763E-13	7.283E-09	1.6211E-07	4.36041E-08	2.29853E-12	1.07571E-13	1.14727E-12	1.78974E-14
789	571119.2	4178286	9.17, 41782	25.0824	15.07438	138.00946	507.91812	256.39153	16734.57469	211.8106	106.96205	4271.60103	1.68E-08	1.2E-06	3.77E-07	5.19E-12	1.57E-11	1.24E-11	6.14E-14	1.48E-12	8.19E-14	1.62758E-12	1.682E-08	1.2027E-06	3.77122E-07	5.30824E-12	2.48426E-13	2.64951E-12	4.13324E-14
790	571119.2	4178326	9.17, 41783	197.49067	14.51391	52.98238	3348.29445	230.6601	7805.71053	1622.72219	95.52079	2122.69744	1.99E-08	7.69E-07	9.48E-07	6.15E-12	1.86E-11	1.47E-11	7.28E-14	1.76E-12	9.7E-14	1.92784E-12	1.992E-08	7.6892E-07	9.48164E-07	6.28751E-12	2.94255E-13	3.1383E-12	4.89574E-14
791	571119.2	4178366	9.17, 41783	10.01384	12.46582	9.59129	630.48898	206.62645	2115.5821	198.58486	83.22549	424.70779	6.73E-09	2.59E-07	1.26E-07	2.08E-12	6.27E-12	4.96E-12	2.46E-14	5.94E-13	3.28E-14	6.51616E-13	6.733E-09	2.5928E-07	1.26495E-07	2.1252E-12	9.94593E-14	1.06075E-12	1.65478E-14
792	571159.2	4178326	9.17, 41783	219.15803	19.05137	35.48029	3124.9508	277.70648	3646.5914	1560.39264	128.55095	753.34584	2.2E-08	5.15E-07	8.3E-07	6.77E-12	2.05E-11	1.62E-11	8.02E-14	1.94E-12	1.07E-13	2.12466E-12	2.196E-08	5.1499E-07	8.30062E-07	6.92943E-12	3.24297E-13	3.4587E-12	5.39557E-14
793	570808.8	4178465	8.82, 41784	10.95844	3.34212	2.15804	1253.90468	193.66587	956.23037	302.59047	56.7134	159.37173	2.2E-09	2.12E-07	1.62E-07	6.79E-13	2.05E-12	1.62E-12	8.03E-15	1.94E-13	1.07E-14	2.12789E-13	2.199E-09	2.1154E-07	1.61808E-07	6.93998E-13	3.24791E-14	3.46396E-13	5.40378E-15
794	570823.9	4178530	3.91, 41785	3.05561	3.25593	2.40542	358.64643	197.99385	1108.94733	70.39413	63.38636	140.39269	1.77E-09	1.78E-07	4.42E-08	5.48E-13	1.65E-12	1.31E-12	6.48E-15	1.57E-13	8.65E-15	1.71744E-13	1.775E-09	1.7775E-07	4.41957E-08	5.6013E-13	2.62141E-14	2.79579E-13	4.36143E-15
795	570883.3	4178602	3.31, 41786	3.07425	4.49746	2.05933	479.66242	287.53386	914.81532	94.76169	103.00469	119.05382	2.31E-09	2.12E-07	5.51E-08	7.14E-13	2.16E-12	1.7E-12	8.45E-15	2.04E-13	1.13E-14	2.23848E-13	2.313E-09	2.1192E-07	5.50586E-08	7.30064E-13	3.4167E-14	3.64398E-13	5.68461E-15
796	571181.5	4178310	1.45, 41783	77.30582	13.12592	35.80897	2585.53888	242.23364	1672.90767	872.95261	114.20023	513.62427	1.21E-08	3.46E-07	4.7E-07	3.74E-12	1.13E-11	8.91E-12	4.42E-14	1.07E-12	5.9E-14	1.17175E-12	1.211E-08	3.4645E-07	4.7022E-07	3.82158E-12	1.7885E-13	1.90748E-12	2.97566E-14
797	571067.8	4178207	7.83, 41782	5.36607	4.9243	1.64986	895.65181	299.02694	904.65641	223.56067	96.05921	144.20823	2.6E-09	2.38E-07	1.21E-07	8.01E-13	2.42E-12	1.91E-12	9.48E-15	2.29E-13	1.26E-14	2.51201E-13	2.596E-09	2.3757E-07	1.21226E-07	8.19273E-13	3.8342E-14	4.08925E-13	6.37924E-15
798	570799.9	4178447	9.89, 41784	4.88888	2.78293	1.75814	732.83791	152.28075	768.58836	142.77112	52.0733	124.31973	1.61E-09	1.55E-07	7.95E-08	4.98E-13	1.5E-12	1.19E-12	5.89E-15	1.42E-13	7.86E-15	1.56148E-13	1.614E-09	1.5455E-07	7.94614E-08	5.09264E-13	2.38336E-14	2.5419E-13	3.96536E-15

	Trenching	Grading	Stockpile
Emissions Rate (g/s):	6.25E-11	5.55E-10	7.82E-11

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	2.5	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	2.5	10	2	70	0.85
2<9	861	1	0.854795	0.000001	2.5	3	0.55	70	0.72
Student	640	1	0.493151	0.000001	2.5	3	2.8	70	1
Worker	230	1	0.684932	0.000001	2.5	1	2.8	70	1

Bis(2-chloroethyl)ether

	Chronic (Annu	Acute (1hr)	8hr
REL:	1	1	1

				Concentration [µg/m^3] at 1 g/s									Concentration (µg/m^3) Unmitigated			Unmitigated Residential Dose			Risk by Age Group				Unmitigated			Student Unmitigated		Worker Unmitigated	
#	**X**	**Y**	**X,Y**	**Trenching Period**	**Grading Period**	**Stockpile Period**	**Treching 1hr**	**Grading 1hr**	**Stockpile 1hr**	**Trenching 8hr**	**Grading 8hr**	**Stockpile 8hr**	**Period Total**	**1hr Total**	**8hr Total**	**3rd**	**0<2**	**2<9**	**3rd**	**0<2**	**2<9**	**Total Risk**	**Chronic**	**Acute**	**8hr**	**Dose**	**Risk**	**Dose**	**Risk**
1	570310.6	4177919	0.55, 41779	0.08215	0.06425	0.08047	53.98877	25.74637	57.86027	6.7486	3.78109	7.23253	4.71E-11	2.22E-08	4.74E-09	1.45E-14	4.39E-14	3.47E-14	1.1E-15	2.66E-14	1.47E-15	2.92225E-14	4.711E-11	2.2197E-08	4.73509E-09	1.48679E-14	4.46037E-15	7.42105E-15	7.42105E-16
2	570350.6	4177919	0.55, 41779	0.08744	0.06946	0.0859	61.34869	26.43683	62.74615	7.66859	3.66465	7.84327	5.08E-11	2.34E-08	5.35E-09	1.57E-14	4.73E-14	3.74E-14	1.19E-15	2.87E-14	1.58E-15	3.14858E-14	5.076E-11	2.3422E-08	5.35126E-09	1.60194E-14	4.80583E-15	7.99582E-15	7.99582E-16
3	570390.6	4177919	0.55, 41779	0.09273	0.07514	0.09126	67.57642	27.23616	68.95787	8.44705	3.80844	8.61973	5.47E-11	2.47E-08	5.89E-09	1.69E-14	5.09E-14	4.02E-14	1.28E-15	3.09E-14	1.71E-15	3.39077E-14	5.466E-11	2.4741E-08	5.89294E-09	1.72516E-14	5.17549E-15	8.61084E-15	8.61084E-16
4	570430.6	4177919	0.55, 41779	0.09799	0.08123	0.09661	71.34976	28.07066	72.35504	8.91872	4.01428	9.04438	5.88E-11	2.57E-08	6.22E-09	1.81E-14	5.48E-14	4.33E-14	1.38E-15	3.33E-14	1.84E-15	3.64691E-14	5.879E-11	2.5706E-08	6.21756E-09	1.85548E-14	5.56645E-15	9.26132E-15	9.26132E-16
5	570470.6	4177919	0.55, 41779	0.10292	0.08757	0.10182	71.34124	28.88227	71.18869	8.91766	4.18506	8.89859	6.3E-11	2.61E-08	6.21E-09	1.94E-14	5.87E-14	4.64E-14	1.48E-15	3.57E-14	1.97E-15	3.90971E-14	6.303E-11	2.6065E-08	6.20551E-09	1.98919E-14	5.96757E-15	9.92869E-15	9.92869E-16
6	570510.6	4177919	0.55, 41779	0.10719	0.09397	0.10631	70.57748	29.51269	72.86498	8.82218	4.31581	9.10812	6.72E-11	2.65E-08	6.16E-09	2.07E-14	6.26E-14	4.95E-14	1.57E-15	3.8E-14	2.1E-15	4.16852E-14	6.72E-11	2.6499E-08	6.16289E-09	2.12087E-14	6.36261E-15	1.05859E-14	1.05859E-15
7	570550.6	4177919	0.55, 41779	0.11095	0.10041	0.10942	80.02506	30.00614	83.29269	10.00313	4.88273	10.41159	7.13E-11	2.82E-08	6.99E-09	2.2E-14	6.64E-14	5.24E-14	1.67E-15	4.03E-14	2.22E-15	4.42004E-14	7.125E-11	2.8179E-08	6.99445E-09	2.24884E-14	6.74652E-15	1.12247E-14	1.12247E-15
8	570590.6	4177919	0.55, 41779	0.11537	0.10684	0.11183	81.14556	31.22548	84.40479	10.14319	5.49199	10.5506	7.53E-11	2.9E-08	7.09E-09	2.32E-14	7.01E-14	5.54E-14	1.76E-15	4.26E-14	2.35E-15	4.67038E-14	7.529E-11	2.9013E-08	7.09186E-09	2.37621E-14	7.12862E-15	1.18604E-14	1.18604E-15
9	570630.6	4177919	0.55, 41779	0.12154	0.11343	0.11602	82.02682	32.76834	84.97635	10.54682	6.07261	10.62204	7.97E-11	3E-08	7.35E-09	2.46E-14	7.42E-14	5.86E-14	1.87E-15	4.51E-14	2.49E-15	4.94165E-14	7.966E-11	2.9969E-08	7.34683E-09	2.51423E-14	7.54268E-15	1.25493E-14	1.25493E-15
10	570670.6	4177919	0.55, 41779	0.12896	0.11974	0.12346	90.28793	34.09351	94.2666	12.11861	6.60764	13.84836	8.42E-11	3.19E-08	8.57E-09	2.6E-14	7.85E-14	6.2E-14	1.97E-15	4.76E-14	2.63E-15	5.22389E-14	8.421E-11	3.1948E-08	8.57018E-09	2.65782E-14	7.97347E-15	1.3266E-14	1.3266E-15
11	570710.6	4177919	0.55, 41779	0.13589	0.12543	0.13131	92.03158	38.34133	98.54944	11.50395	7.03486	13.72911	8.84E-11	3.48E-08	8.18E-09	2.73E-14	8.24E-14	6.51E-14	2.07E-15	5E-14	2.76E-15	5.48485E-14	8.842E-11	3.4751E-08	8.18109E-09	2.7906E-14	8.37179E-15	1.39288E-14	1.39288E-15
12	570750.6	4177919	0.55, 41779	0.14097	0.13029	0.13561	98.93292	42.68075	106.54938	12.36662	7.25038	14.15663	9.18E-11	3.82E-08	8.75E-09	2.83E-14	8.55E-14	6.75E-14	2.15E-15	5.19E-14	2.87E-15	5.69283E-14	9.177E-11	3.8218E-08	8.74752E-09	2.89641E-14	8.68924E-15	1.44569E-14	1.44569E-15
13	570790.6	4177919	0.55, 41779	0.1434	0.13429	0.137	101.78306	44.96916	112.12821	12.72288	7.16867	14.01603	9.43E-11	4.01E-08	8.96E-09	2.91E-14	8.78E-14	6.94E-14	2.21E-15	5.33E-14	2.94E-15	5.8468E-14	9.425E-11	4.0103E-08	8.95665E-09	2.97475E-14	8.92425E-15	1.48479E-14	1.48479E-15
14	570830.6	4177919	0.55, 41779	0.14249	0.1373	0.1371	103.05806	46.92439	113.14313	12.88226	6.63254	14.14289	9.59E-11	4.13E-08	9.07E-09	2.96E-14	8.93E-14	7.06E-14	2.25E-15	5.42E-14	2.99E-15	5.94744E-14	9.587E-11	4.1348E-08	9.06504E-09	3.02596E-14	9.07787E-15	1.51035E-14	1.51035E-15
15	570870.6	4177919	0.55, 41779	0.13915	0.13926	0.13269	113.81753	49.41272	127.10432	14.22719	6.17659	15.88804	9.64E-11	4.45E-08	1E-08	2.98E-14	8.98E-14	7.1E-14	2.26E-15	5.45E-14	3.01E-15	5.98062E-14	9.641E-11	4.4494E-08	1.00324E-08	3.04284E-14	9.12851E-15	1.51878E-14	1.51878E-15
16	570910.6	4177919	0.55, 41779	0.13537	0.14116	0.12571	103.09741	52.00284	118.27061	16.13684	6.50036	14.78383	9.67E-11	4.46E-08	1.11E-08	2.98E-14	9.01E-14	7.12E-14	2.26E-15	5.47E-14	3.02E-15	5.99756E-14	9.668E-11	4.4571E-08	1.1126E-08	3.05146E-14	9.15437E-15	1.52308E-14	1.52308E-15
17	570950.6	4177919	0.55, 41779	0.13129	0.14261	0.12523	128.63222	54.75687	154.09416	19.7206	7.6051	23.34348	9.72E-11	5.05E-08	1.4E-08	3E-14	9.06E-14	7.15E-14	2.28E-15	5.5E-14	3.04E-15	6.02936E-14	9.719E-11	5.0498E-08	1.40094E-08	3.06763E-14	9.2029E-15	1.53115E-14	1.53115E-15
18	570990.6	4177919	0.55, 41779	0.12715	0.1442	0.12572	126.51514	58.01026	163.29109	18.07359	9.36612	23.3273	9.79E-11	5.29E-08	1.3E-08	3.02E-14	9.12E-14	7.2E-14	2.29E-15	5.54E-14	3.06E-15	6.07045E-14	9.786E-11	5.2891E-08	1.29905E-08	3.08854E-14	9.26562E-15	1.54159E-14	1.54159E-15
19	571030.6	4177919	0.55, 41779	0.12254	0.14609	0.11762	125.39004	62.99788	174.41478	17.19472	10.49965	21.80185	9.8E-11	5.65E-08	1.23E-08	3.02E-14	9.13E-14	7.21E-14	2.29E-15	5.54E-14	3.06E-15	6.0784E-14	9.799E-11	5.646E-08	1.23283E-08	3.09258E-14	9.27775E-15	1.54361E-14	1.54361E-15
20	571070.6	4177919	0.55, 41779	0.1201	0.14847	0.1104	126.80092	67.58831	177.9713	16.22667	10.87469	22.24641	9.86E-11	5.94E-08	1.18E-08	3.04E-14	9.19E-14	7.26E-14	2.31E-15	5.58E-14	3.08E-15	6.11591E-14	9.859E-11	5.9375E-08	1.17649E-08	3.11167E-14	9.335E-15	1.55313E-14	1.55313E-15
21	571110.6	4177919	0.55, 41779	0.1205	0.15044	0.10927	126.62476	68.47754	165.66905	20.2586	9.61445	20.70863	9.96E-11	5.89E-08	1.41E-08	3.07E-14	9.28E-14	7.33E-14	2.33E-15	5.64E-14	3.11E-15	6.17984E-14	9.962E-11	5.8896E-08	1.41359E-08	3.1442E-14	9.43259E-15	1.56937E-14	1.56937E-15
22	571150.6	4177919	0.55, 41779	0.1212	0.15159	0.11602	131.66409	62.22893	172.39569	21.10658	9.19459	24.99313	1.01E-10	5.63E-08	1.5E-08	3.11E-14	9.39E-14	7.42E-14	2.36E-15	5.7E-14	3.15E-15	6.25491E-14	1.008E-10	5.6267E-08	1.49947E-08	3.18239E-14	9.54717E-15	1.58843E-14	1.58843E-15
23	571190.6	4177919	0.55, 41779	0.12215	0.15198	0.11825	137.85581	66.48698	180.99172	19.69369	10.25241	26.94632	1.01E-10	5.97E-08	1.43E-08	3.13E-14	9.44E-14	7.45E-14	2.37E-15	5.73E-14	3.16E-15	6.28284E-14	1.013E-10	5.9691E-08	1.42744E-08	3.1966E-14	9.5898E-15	1.59553E-14	1.59553E-15
24	571230.6	4177919	0.55, 41779	0.12354	0.15154	0.11348	148.65332	75.08948	179.38421	21.23619	9.50538	22.42303	1.01E-10	6.5E-08	1.49E-08	3.11E-14	9.39E-14	7.42E-14	2.36E-15	5.7E-14	3.15E-15	6.24995E-14	1.008E-10	6.5018E-08	1.48739E-08	3.17986E-14	9.53959E-15	1.58717E-14	1.58717E-15
25	571270.6	4177919	0.55, 41779	0.12544	0.15047	0.11372	135.01221	73.55453	181.97135	18.66937	9.80753	25.99591	1E-10	6.35E-08	1.36E-08	3.09E-14	9.34E-14	7.38E-14	2.35E-15	5.67E-14	3.13E-15	6.22162E-14	1.003E-10	6.3515E-08	1.35672E-08	3.16545E-14	9.49636E-15	1.57998E-14	1.57998E-15
26	571310.6	4177919	0.55, 41779	0.12844	0.14895	0.1185	144.25948	74.57026	160.72945	18.03243	9.63087	20.79832	1E-10	6.3E-08	1.28E-08	3.09E-14	9.32E-14	7.36E-14	2.34E-15	5.66E-14	3.12E-15	6.20407E-14	1E-10	6.2997E-08	1.27674E-08	3.15653E-14	9.46958E-15	1.57552E-14	1.57552E-15
27	571350.6	4177919	0.55, 41779	0.13264	0.1484	0.12186	134.13439	65.82548	182.86761	16.7668	8.49886	22.85845	1E-10	5.92E-08	1.21E-08	3.09E-14	9.34E-14	7.38E-14	2.35E-15	5.67E-14	3.13E-15	6.21771E-14	1.002E-10	5.9238E-08	1.21465E-08	3.16347E-14	9.4904E-15	1.57899E-14	1.57899E-15
28	571390.6	4177919	0.55, 41779	0.13487	0.1464	0.12015	140.45529	51.40311	177.22554	17.55691	7.98518	22.15319	9.91E-11	5.12E-08	1.26E-08	3.06E-14	9.24E-14	7.3E-14	2.32E-15	5.61E-14	3.1E-15	6.14917E-14	9.913E-11	5.1183E-08	1.25795E-08	3.12859E-14	9.38578E-15	1.56158E-14	1.56158E-15
29	571430.6	4177919	0.55, 41779	0.14548	0.15293	0.12366	139.19794	49.3636	190.22803	17.39974	7.65374	23.7785	1.04E-10	5.1E-08	1.26E-08	3.2E-14	9.66E-14	7.63E-14	2.43E-15	5.87E-14	3.24E-15	6.43231E-14	1.037E-10	5.0988E-08	1.26094E-08	3.27265E-14	9.81794E-15	1.63348E-14	1.63348E-15
30	571470.6	4177919	0.55, 41779	0.15916	0.16179	0.13045	134.87595	45.89373	190.37308	16.85949	6.86379	23.79664	1.1E-10	4.88E-08	1.23E-08	3.39E-14	1.02E-13	8.1E-14	2.58E-15	6.22E-14	3.43E-15	6.82352E-14	1.1E-10	4.8802E-08	1.22771E-08	3.47169E-14	1.04151E-14	1.73283E-14	1.73283E-15
31	571510.6	4177919	0.55, 41779	0.17426	0.17151	0.14116	122.2315	42.4201	161.48029	15.27894	5.85942	20.18504	1.17E-10	4.38E-08	1.1E-08	3.62E-14	1.09E-13	8.62E-14	2.74E-15	6.63E-14	3.66E-15	7.26888E-14	1.172E-10	4.3824E-08	1.10182E-08	3.69828E-14	1.10948E-14	1.84593E-14	1.84593E-15
32	571550.6	4177919	0.55, 41779	0.18787	0.18026	0.15558	112.99449	35.73716	155.78517	14.12431	5.76206	19.47315	1.24E-10	3.91E-08	1.02E-08	3.83E-14	1.16E-13	9.13E-14	2.9E-15	7.02E-14	3.87E-15	7.69303E-14	1.24E-10	3.909E-08	1.02491E-08	3.91408E-14	1.17422E-14	1.95364E-14	1.95364E-15
33	571590.6	4177919	0.55, 41779	0.19949	0.18751	0.17419	94.68734	29.26563	123.69427	11.83592	5.30509	15.46178	1.3E-10	3.18E-08	8.52E-09	4.02E-14	1.21E-13	9.58E-14	3.05E-15	7.37E-14	4.07E-15	8.07811E-14	1.302E-10	3.1843E-08	8.52164E-09	4.11E-14	1.233E-14	2.05143E-14	2.05143E-15
34	570310.6	4177959	0.55, 41779	0.08597	0.06676	0.0838	56.89619	26.25101	62.23098	7.11202	4.18522	7.77887	4.9E-11	2.3E-08	5E-09	1.51E-14	4.57E-14	3.61E-14	1.15E-15	2.77E-14	1.53E-15	3.03968E-14	4.9E-11	2.3001E-08	5.00234E-09	1.54654E-14	4.63962E-15	7.71927E-15	7.71927E-16
35	570350.6	4177959	0.55, 41779	0.09204	0.07257	0.08995	58.96006	27.16756	63.77509	7.37001	4.19821	7.97189	5.31E-11	2.38E-08	5.18E-09	1.64E-14	4.95E-14	3.91E-14	1.24E-15	3E-14	1.66E-15	3.2932E-14	5.309E-11	2.3759E-08	5.17683E-09	1.67553E-14	5.02658E-15	8.36308E-15	8.36308E-16
36	570390.6	4177959	0.55, 41779	0.09833	0.07904	0.09639	63.0038	28.02201	66.12463	7.87548	4.15896	8.26558	5.76E-11	2.47E-08	5.51E-09	1.78E-14	5.36E-14	4.24E-14	1.35E-15	3.26E-14	1.8E-15	3.57172E-14	5.758E-11	2.467E-08	5.5121E-09	1.81723E-14	5.45169E-15	9.07037E-15	9.07037E-16
37	570430.6	4177959	0.55, 41779	0.10461	0.08611	0.10266	70.72142	28.76698	72.80329	8.84018	4.23038	9.10041	6.24E-11	2.61E-08	6.17E-09	1.93E-14	5.81E-14	4.59E-14	1.46E-15	3.53E-14	1.95E-15	3.87004E-14	6.239E-11	2.6089E-08	6.17341E-09	1.96901E-14	5.90703E-15	9.82795E-15	9.82795E-16
38	570470.6	4177959	0.55, 41779	0.11098	0.09385	0.10929	78.78718	29.82596	80.74124	9.8484	4.47695	10.09265	6.76E-11	2.78E-08	6.87E-09	2.09E-14	6.3E-14	4.98E-14	1.58E-15	3.82E-14	2.11E-15	4.19354E-14	6.76E-11	2.7802E-08	6.87392E-09	2.1336E-14	6.4008E-15	1.06495E-14	1.06495E-15
39	570510.6	4177959	0.55, 41779	0.1169	0.10189	0.11567	83.26174	30.87615	84.48278	10.40772	4.70339	10.56035	7.29E-11	2.9E-08	7.26E-09	2.25E-14	6.8E-14	5.37E-14	1.71E-15	4.13E-14	2.28E-15	4.52441E-14	7.293E-11	2.8957E-08	7.25606E-09	2.30194E-14	6.90583E-15	1.14897E-14	1.14897E-15
40	570550.6	4177959	0.55, 41779	0.12213	0.11	0.12099	82.46075	31.83495	82.01237	10.30759	4.9071	10.25155	7.82E-11	2.92E-08	7.17E-09	2.41E-14	7.28E-14	5.75E-14	1.83E-15	4.42E-14	2.44E-15	4.84988E-14	7.818E-11	2.9246E-08	7.17006E-09	2.46753E-14	7.4026E-15	1.23163E-14	1.23163E-15
41	570590.6	4177959	0.55, 41779	0.1275	0.1185	0.12492	87.61849	32.53805	91.54904	10.95231	5.6614	11.44363	8.35E-11	3.07E-08	7.66E-09	2.58E-14	7.78E-14	6.15E-14	1.96E-15	4.73E-14	2.61E-15	5.18259E-14	8.354E-11	3.0705E-08	7.66159E-09	2.63681E-14	7.91043E-15	1.31612E-14	1.31612E-15
42	570630.6	4177959	0.55, 41779	0.13429	0.12721	0.12893	94.25098	33.95012	99.61773	11.78137	6.34882	12.45222	8.91E-11	3.25E-08	8.25E-09	2.75E-14	8.3E-14	6.56E-14	2.09E-15	5.04E-14	2.78E-15	5.52842E-14	8.912E-11	3.2535E-08	8.25268E-09	2.81277E-14	8.4383E-15	1.40394E-14	1.40394E-15
43	570670.6	4177959	0.55, 41779	0.1434	0.13582	0.13624	91.47953	35.4429	96.20253	12.89467	6.97952	13.63762	9.5E-11	3.29E-08	9.03E-09	2.93E-14	8.86E-14	6.99E-14	2.23E-15	5.38E-14	2.97E-15	5.89582E-14	9.504E-11	3.2923E-08	9.03321E-09	2.99969E-14	8.99907E-15	1.49724E-14	1.49724E-15
44	570710.6	4177959	0.55, 41779	0.15342	0.14402	0.1467	103.54122	38.62398	108.53691	12.94265	7.57754	15.98544	1.01E-10	3.64E-08	9.25E-09	3.12E-14	9.41E-14	7.44E-14	2.37E-15	5.72E-14	3.16E-15	6.26789E-14	1.01E-10	3.6408E-08	9.24638E-09	3.189E-14	9.56699E-15	1.59173E-14	1.59173E-15
45	570750.6	4177959	0.55, 41779	0.16261	0.1515	0.15549	105.52732	44.38977	114.23814	13.19092	8.09206	15.7724	1.06E-10	4.02E-08	9.38E-09	3.29E-14	9.92E-14	7.83E-14	2.49E-15	6.02E-14	3.32E-15	6.60385E-14	1.065E-10	4.018E-08	9.38313E-09	3.35992E-14	1.00798E-14	1.67704E-14	1.67704E-15
46	570790.6	4177959	0.55, 41779	0.16989	0.15823	0.16076	113.60479	47.24143	124.57926	14.2006	8.3928	15.57241	1.11E-10	4.31E-08	9.99E-09	3.43E-14	1.03E-13	8.17E-14	2.6E-15	6.28E-14	3.47E-15	6.88949E-14	1.111E-10	4.3077E-08	9.99134E-09	3.50525E-14	1.05158E-14	1.74958E-14	1.74958E-15
47	570830.6	4177959	0.55, 41779	0.1738	0.16401	0.16481	115.20896	49.45722	130.36471	14.40112	8.28774	16.29559	1.15E-10	4.49E-08	1.02E-08	3.54E-14	1.07E-13	8.45E-14	2.69E-15	6.5E-14	3.59E-15	7.12341E-14	1.148E-10	4.486E-08	1.01718E-08	3.62427E-14	1.08728E-14	1.80899E-14	1.80899E-15
48	570870.6	4177959	0.55, 41779	0.17339	0.16851	0.16469	122.33209	52.01335	138.82114	15.29151	7.46689	17.35264	1.17E-10	4.74E-08	1.08E-08	3.62E-14	1.09E-13	8.63E-14	2.75E-15	6.64E-14	3.66E-15	7.27626E-14	1.173E-10	4.7386E-08	1.08045E-08	3.70203E-14	1.11061E-14	1.8478E-14	1.8478E-15
49	570910.6	4177959	0.55, 41779	0.16973	0.17204	0.1579	128.70888	55.67631	149.19916	16.08861	6.95954	18.64989	1.18E-10	5.06E-08	1.14E-08	3.66E-14	1.1E-13	8.72E-14	2.78E-15	6.7E-14	3.7E-15	7.35074E-14	1.185E-10	5.063E-08	1.13984E-08	3.73993E-14	1.12198E-14	1.86672E-14	1.86672E-15
50	570950.6	4177959	0.55, 41779	0.16375	0.1746	0.15354	137.78687	58.35606	146.62449	21.41966	8.40086	22.62642	1.19E-10	5.25E-08	1.5E-08	3.68E-14	1.11E-13	8.77E-14	2.79E-15	6.74E-14	3.72E-15	7.39459E-14	1.192E-10	5.2485E-08	1.50032E-08	3.76224E-14	1.12867E-14	1.87785E-14	1.87785E-15
51	570990.6	4177959	0.55, 41779	0.1571	0.17611	0.15296	148.41379	62.43724	189.01685	21.20197	10.20575	28.13097	1.2E-10	5.87E-08	1.53E-08	3.69E-14	1.11E-13	8.8E-14	2.8E-15	6.76E-14	3.73E-15	7.41799E-14	1.196E-10	5.873E-08	1.52989E-08	3.77415E-14	1.13224E-14	1.8838E-14	1.8838E-15
52	571030.6	4177959	0.55, 41779	0.15135	0.1787	0.14372	141.29712	68.4386	198.29024	19.05284	11.40643	25.9054	1.2E-10	6.23E-08	1.38E-08	3.7E-14	1.12E-13	8.83E-14	2.81E-15	6.78E-14	3.75E-15	7.44011E-14	1.199E-10	6.2342E-08	1.37971E-08	3.7854E-14	1.13562E-14	1.88941E-14	1.88941E-15
53	571070.6	4177959	0.55, 41779	0.14838	0.1815	0.13361	143.49488	74.36914	202.29359	18.79197	11.80682	25.2867	1.21E-10	6.61E-08	1.36E-08	3.72E-14	1.12E-13	8.87E-14	2.82E-15	6.82E-14	3.76E-15	7.47602E-14	1.205E-10	6.6086E-08	1.35875E-08	3.80367E-14	1.1411E-14	1.89853E-14	1.89853E-15
54	571110.6	4177959	0.55, 41779	0.14858	0.18375	0.13332	140.62761	73.34522	192.64407	22.74237	10.22286	24.08051	1.22E-10	6.46E-08	1.59E-08	3.76E-14	1.13E-13	8.96E-14	2.85E-15	6.89E-14	3.8E-15	7.5529E-14	1.218E-10	6.4584E-08	1.59341E-08	3.84278E-14	1.15284E-14	1.91806E-14	1.91806E-15
55	571150.6	4177959	0.55, 41779	0.14994	0.18566	0.14292	146.3467	67.83983	199.40983	22.92053	11.48399	30.37919	1.24E-10	6.24E-08	1.65E-08	3.82E-14	1.15E-13	9.1E-14	2.9E-15	6.99E-14	3.86E-15	7.67052E-14	1.237E-10	6.2413E-08	1.65365E-08	3.90263E-14	1.17079E-14	1.94793E-14	1.94793E-15
56	571190.6	4177959	0.55, 41779	0.1525	0.18616	0.14359	161.89014	78.97315	204.49698	23.12716	11.84075	29.21385	1.24E-10	7E-08	1.66E-08	3.83E-14	1.16E-13	9.14E-14	2.91E-15	7.02E-14	3.88E-15	7.70093E-14	1.241E-10	6.9965E-08	1.65731E-08	3.9181E-14	1.17543E-14	1.95565E-14	1.95565E-15
57	571230.6	4177959	0.55, 41779	0.15542	0.18516	0.1383	156.07845	81.92899	197.17574	22.29692	11.22006	24.64697	1.23E-10	7.07E-08	1.57E-08	3.81E-14	1.15E-13	9.08E-14	2.89E-15	6.98E-14	3.85E-15	7.65215E-14	1.234E-10	7.0671E-08	1.57031E-08	3.89328E-14	1.16799E-14	1.94326E-14	1.94326E-15
58	571270.6	4177959	0.55, 41779	0.15909	0.18379	0.14205	158.42767	82.70179	205.30007	19.80346	11.54254	29.32858	1.23E-10	7.19E-08	1.45E-08	3.8E-14	1.15E-13	9.06E-14	2.88E-15	6.96E-14	3.84E-15	7.63738E-14	1.231E-10	7.1882E-08	1.45285E-08	3.88577E-14	1.16573E-14	1.93951E-14	1.93951E-15
59	571310.6	4177959	0.55, 41779	0.1655	0.18382	0.1484	150.26158	75.50789	204.0765	18.7827	10.48328	25.50956	1.24E-10	6.73E-08	1.36E-08	3.83E-14	1.16E-13	9.13E-14	2.9E-15	7.02E-14	3.87E-15	7.69407E-14	1.24E-10	6.7281E-08	1.35992E-08	3.91461E-14	1.17438E-14	1.95391E-14	1.95391E-15
60	571350.6	4177959	0.55, 41779	0.17654	0.1881	0.15257	154.82597	60.83045	189.56737	19.35325	9.71095	23.69592	1.27E-10	5.83E-08	1.38E-08	3.93E-14	1.19E-13	9.38E-14	2.98E-15	7.21E-14	3.98E-15	7.90456E-14	1.274E-10	5.8281E-08	1.381E-08	4.0217E-14	1.20651E-14	2.00736E-14	2.00736E-15
61	571390.6	4177959	0.55, 41779	0.18842	0.1934	0.15428	152.92189	54.55359	214.59873	19.11524	9.16318	26.82484	1.31E-10	5.66E-08	1.39E-08	4.05E-14	1.22E-13	9.66E-14	3.07E-15	7.42E-14	4.1E-15	8.14152E-14	1.312E-10	5.6633E-08	1.39075E-08	4.14227E-14	1.24268E-14	2.06754E-14	2.06754E-15
62	571430.6	4177959	0.55, 41779	0.20645	0.20414	0.16292	148.33328	50.38722	217.66749	18.54166	8.09078	27.20844	1.39E-10	5.43E-08	1.36E-08	4.29E-14	1.3E-13	1.02E-13	3.26E-15	7.86E-14	4.34E-15	8.62334E-14	1.39E-10	5.4273E-08	1.35831E-08	4.38741E-14	1.31622E-14	2.1899E-14	2.1899E-15
63	571470.6	4177959	0.55, 41779	0.22554	0.21577	0.17809	134.13897	46.24246	185.84967	16.76737	6.92684	23.23121	1.48E-10	4.86E-08	1.22E-08	4.56E-14	1.38E-13	1.09E-13	3.46E-15	8.36E-14	4.62E-15	9.17161E-14	1.478E-10	4.8596E-08	1.21759E-08	4.66635E-14	1.39991E-14	2.32913E-14	2.32913E-15
64	571510.6	4177959	0.55, 41779	0.24332	0.22654	0.20114	122.33786	38.55117	174.21255	15.29223	6.75463	21.77657	1.57E-10	4.27E-08	1.12E-08	4.84E-14	1.46E-13	1.15E-13	3.67E-15	8.87E-14	4.89E-15	9.72337E-14	1.567E-10	4.2677E-08	1.11508E-08	4.94708E-14	1.48412E-14	2.46925E-14	2.46925E-15
65	571550.6	4177959	0.55, 41779	0.25539	0.23344	0.22684	100.38932	31.1899	131.18831	12.54867	6.13877	16.39854	1.63E-10	3.39E-08	9.04E-09	5.04E-14	1.52E-13	1.2E-13	3.83E-15	9.24E-14	5.1E-15	1.01325E-13	1.633E-10	3.3854E-08	9.03525E-09	5.15525E-14	1.54657E-14	2.57315E-14	2.57315E-15
66	571590.6	4177959	0.55, 41779	0.26174	0.2364	0.25018	103.20811	24.1035	113.64553	12.90101	5.55119	14.20569	1.67E-10	2.87E-08	9.08E-09	5.16E-14	1.56E-13	1.23E-13	3.92E-15	9.46E-14	5.22E-15	1.03723E-13	1.672E-10	2.8723E-08	9.08153E-09	5.27725E-14	1.58317E-14	2.63404E-14	2.63404E-15
67	570310.6	4177999	0.55, 41779	0.08992	0.06909	0.08739	61.55411	26.71644	63.33313	7.69426	4.42886	7.91664	5.08E-11	2.36E-08	5.37E-09	1.57E-14	4.74E-14	3.74E-14	1.19E-15	2.87E-14	1.59E-15	3.15268E-14	5.082E-11	2.3636E-08	5.37285E-09	1.60403E-14	4.81209E-15	8.00623E-15	8.00623E-16
68	570350.6	4177999	0.55, 41779	0.09687	0.07551	0.09431	63.16088	27.72336	68.96816	7.89511	4.52605	8.62102	5.54E-11	2.47E-08	5.55E-09	1.71E-14	5.16E-14	4.07E-14	1.3E-15	3.13E-14	1.73E-15	3.43436E-14	5.536E-11	2.4737E-08	5.55201E-09	1.74734E-14	5.24203E-15	8.72156E-15	8.72156E-16
69	570390.6	4177999	0.55, 41779	0.10411	0.08268	0.10154	65.18315	28.66629	70.59128	8.14789	4.5901	8.82391	6.04E-11	2.55E-08	5.72E-09	1.86E-14	5.62E-14	4.44E-14	1.41E-15	3.41E-14	1.88E-15	3.74451E-14	6.036E-11	2.5514E-08	5.72406E-09	1.90514E-14	5.71542E-15	9.50917E-15	9.50917E-16
70	570430.6	4177999	0.55, 41779	0.11178	0.0909	0.10932	69.77828	29.77159	73.90272	8.72229	4.64595	9.23784	6.6E-11	2.67E-08	6.11E-09	2.04E-14	6.15E-14	4.86E-14	1.55E-15	3.73E-14	2.06E-15	4.09516E-14	6.602E-11	2.6674E-08	6.11131E-09	2.08355E-14	6.25064E-15	1.03996E-14	1.03996E-15
71	570470.6	4177999	0.55, 41779	0.11947	0.09994	0.11702	73.23749	30.82615	79.61188	9.15469	4.70414	9.95148	7.21E-11	2.79E-08	6.43E-09	2.23E-14	6.72E-14	5.31E-14	1.69E-15	4.08E-14	2.25E-15	4.47375E-14	7.212E-11	2.7922E-08	6.43426E-09	2.27617E-14	6.8285E-15	1.13611E-14	1.13611E-15
72	570510.6	4177999	0.55, 41779	0.12689	0.1096	0.1248	83.36058	31.87471	86.19643	10.42007	5.00665	10.77455	7.86E-11	2.97E-08	7.28E-09	2.42E-14	7.32E-14	5.78E-14	1.84E-15	4.44E-14	2.45E-15	4.87304E-14	7.855E-11	2.9652E-08	7.28044E-09	2.47932E-14	7.43796E-15	1.23751E-14	1.23751E-15
73	570550.6	4177999	0.55, 41779	0.1338	0.11968	0.13227	93.92369	33.13511	96.59692	11.74046	5.30601	12.07462	8.52E-11	3.18E-08	8.2E-09	2.63E-14	7.94E-14	6.27E-14	1.99E-15	4.82E-14	2.66E-15	5.28332E-14	8.517E-11	3.1825E-08	8.19789E-09	2.68806E-14	8.06418E-15	1.3417E-14	1.3417E-15
74	570590.6	4177999	0.55, 41779	0.14077	0.13095	0.13895	98.98148	34.43475	100.81152	12.37268	5.77536	12.60144	9.24E-11	3.32E-08	8.63E-09	2.85E-14	8.61E-14	6.8E-14	2.16E-15	5.23E-14	2.88E-15	5.73099E-14	9.239E-11	3.3193E-08	8.62969E-09	2.91583E-14	8.74748E-15	1.45538E-14	1.45538E-15
75	570630.6	4177999	0.55, 41779	0.14863	0.14246	0.14416	96.29887	35.58815	97.29546	12.03736	6.62596	12.16193	9.97E-11	3.34E-08	8.39E-09	3.08E-14	9.29E-14	7.34E-14	2.33E-15	5.64E-14	3.11E-15	6.18325E-14	9.968E-11	3.3391E-08	8.38816E-09	3.14593E-14	9.4378E-15	1.57024E-14	1.57024E-15
76	570670.6	4177999	0.55, 41779	0.15906	0.15417	0.15133	108.0953	37.02771	115.61321	13.51191	7.37805	14.45165	1.07E-10	3.64E-08	9.48E-09	3.31E-14	1E-13	7.9E-14	2.52E-15	6.08E-14	3.35E-15	6.66188E-14	1.074E-10	3.636E-08	9.47821E-09	3.38945E-14	1.01684E-14	1.69178E-14	1.69178E-15
77	570710.6	4177999	0.55, 41779	0.17207	0.16581	0.16328	109.21603	39.28347	116.55796	14.39109	8.06843	17.60456	1.16E-10	3.78E-08	1.03E-08	3.57E-14	1.08E-13	8.51E-14	2.71E-15	6.54E-14	3.61E-15	7.17129E-14	1.156E-10	3.7756E-08	1.02679E-08	3.64863E-14	1.09459E-14	1.82115E-14	1.82115E-15
78	570750.6	4177999	0.55, 41779	0.18601	0.17706	0.17647	119.66853	46.10023	126.10142	14.95857	8.7788	16.77146	1.24E-10	4.29E-08	1.06E-08	3.82E-14	1.15E-13	9.11E-14	2.9E-15	7E-14	3.86E-15	7.67688E-14	1.238E-10	4.2942E-08	1.05534E-08	3.90586E-14	1.17176E-14	1.94954E-14	1.94954E-15
79	570790.6	4177999	0.55, 41779	0.19953	0.18772	0.18696	122.67556	49.8289	134.57394	15.33445	9.45426	16.82174	1.31E-10	4.59E-08	1.08E-08	4.05E-14	1.22E-13	9.67E-14	3.08E-15	7.43E-14	4.1E-15	8.14742E-14	1.313E-10	4.5863E-08	1.07896E-08	4.14527E-14	1.24358E-14	2.06903E-14	2.06903E-15
80	570830.6	4177999	0.55, 41779	0.21109	0.19773	0.1968	133.54261	52.4094	148.58094	16.69283	9.90962	18.57262	1.38E-10	4.91E-08	1.18E-08	4.27E-14	1.29E-13	1.02E-13	3.24E-15	7.83E-14	4.32E-15	8.58482E-14	1.384E-10	4.907E-08	1.17657E-08	4.36781E-14	1.31034E-14	2.18011E-14	2.18011E-15
81	570870.6	4177999	0.55, 41779	0.21804	0.20674	0.20398	131.45449	55.15858	156.57352	16.43181	9.77159	19.57169	1.44E-10	5.11E-08	1.17E-08	4.46E-14	1.35E-13	1.06E-13	3.38E-15	8.17E-14	4.51E-15	8.95698E-14	1.444E-10	5.1091E-08	1.16825E-08	4.55716E-14	1.36715E-14	2.27462E-14	2.27462E-15
82	570910.6	4177999	0.55, 41779	0.21803	0.21414	0.20286	148.11273	59.13207	173.84644	18.51409	8.43226	21.73081	1.48E-10	5.57E-08	1.31E-08	4.58E-14	1.38E-13	1.09E-13	3.48E-15	8.4E-14	4.63E-15	9.20643E-14	1.484E-10	5.569E-08	1.31379E-08	4.68407E-14	1.40522E-14	2.33797E-14	2.33797E-15
83	570950.6	4177999	0.55, 41779	0.2114	0.21889	0.19586	140.12444	63.58464	170.21851	21.83562	9.32684	21.27731	1.5E-10	5.74E-08	1.52E-08	4.63E-14	1.4E-13	1.1E-13	3.51E-15	8.49E-14	4.69E-15	9.3104E-14	1.501E-10	5.7379E-08	1.51547E-08	4.73697E-14	1.42109E-14	2.36437E-14	2.36437E-15
84	570990.6	4177999	0.55, 41779	0.2013	0.22185	0.19061	171.21588	67.61488	221.4052	25.43318	11.18299	33.45295	1.51E-10	6.56E-08	1.83E-08	4.65E-14	1.4E-13	1.11E-13	3.53E-15	8.52E-14	4.71E-15	9.34773E-14	1.507E-10	6.5565E-08	1.83293E-08	4.75596E-14	1.42679E-14	2.37385E-14	2.37385E-15
85	571030.6	4177999	0.55, 41779	0.19301	0.22456	0.1804	161.4506	75.02365	233.40135	21.94671	12.50394	33.34305	1.51E-10	7E-08	1.62E-08	4.66E-14	1.41E-13	1.11E-13	3.53E-15	8.53E-14	4.71E-15	9.35942E-14	1.509E-10	7.0004E-08	1.61665E-08	4.76191E-14	1.42857E-14	2.37682E-14	2.37682E-15
86	571070.6	4177999	0.55, 41779	0.18927	0.22808	0.16676	165.36156	82.48884	231.46597	21.97245	12.95225	28.93325	1.52E-10	7.42E-08	1.58E-08	4.68E-14	1.41E-13	1.12E-13	3.55E-15	8.57E-14	4.73E-15	9.40003E-14	1.515E-10	7.4243E-08	1.58377E-08	4.78257E-14	1.43477E-14	2.38713E-14	2.38713E-15
87	571110.6	4177999	0.55, 41779	0.18141	0.21619	0.16049	158.60632	80.72549	237.56536	25.62624	11.81551	29.69982	1.44E-10	7.33E-08	1.82E-08	4.44E-14	1.34E-13	1.06E-13	3.37E-15	8.14E-14	4.49E-15	8.92953E-14	1.439E-10	7.3318E-08	1.81552E-08	4.54319E-14	1.36296E-14	2.26765E-14	2.26765E-15
88	571150.6	4177999	0.55, 41779	0.19202	0.23351	0.18032	164.05988	80.42402	231.86209	24.96785	14.13496	37.65816	1.56E-10	7.3E-08	1.84E-08	4.81E-14	1.45E-13	1.15E-13	3.65E-15	8.81E-14	4.86E-15	9.66351E-14	1.558E-10	7.3046E-08	1.83705E-08	4.91663E-14	1.47499E-14	2.45405E-14	2.45405E-15
89	571190.6	4177999	0.55, 41779	0.1978	0.23414	0.17819	182.21875	91.74664	241.78028	26.03125	13.21695	31.92825	1.56E-10	8.12E-08	1.86E-08	4.82E-14	1.46E-13	1.15E-13	3.66E-15	8.84E-14	4.88E-15	9.69731E-14	1.563E-10	8.1245E-08	1.85796E-08	4.93382E-14	1.48015E-14	2.46263E-14	2.46263E-15
90	571230.6	4177999	0.55, 41779	0.20367	0.23289	0.17473	172.67663	91.69738	231.55794	22.62496	13.85272	33.07971	1.56E-10	7.98E-08	1.66E-08	4.81E-14	1.45E-13	1.15E-13	3.65E-15	8.81E-14	4.86E-15	9.66024E-14	1.557E-10	7.9821E-08	1.6565E-08	4.91496E-14	1.47449E-14	2.45322E-14	2.45322E-15
91	571270.6	4177999	0.55, 41779	0.21358	0.23476	0.18394	171.66845	86.35935	210.57834	21.45856	13.01074	28.58393	1.58E-10	7.52E-08	1.55E-08	4.88E-14	1.47E-13	1.16E-13	3.7E-15	8.94E-14	4.94E-15	9.80776E-14	1.581E-10	7.5154E-08	1.54929E-08	4.99002E-14	1.49701E-14	2.49068E-14	2.49068E-15
92	571310.6	4177999	0.55, 41779	0.23025	0.24083	0.19159	171.26207	72.34733	231.62674	21.40776	11.81711	28.95334	1.63E-10	6.9E-08	1.55E-08	5.03E-14	1.52E-13	1.2E-13	3.82E-15	9.23E-14	5.09E-15	1.01186E-13	1.631E-10	6.8993E-08	1.54904E-08	5.14819E-14	1.54446E-14	2.56962E-14	2.56962E-15
93	571350.6	4177999	0.55, 41779	0.25373	0.25254	0.198	169.27826	60.68614	249.61103	21.15978	11.13084	31.20138	1.72E-10	6.38E-08	1.55E-08	5.29E-14	1.6E-13	1.26E-13	4.02E-15	9.71E-14	5.36E-15	1.06442E-13	1.716E-10	6.3799E-08	1.55129E-08	5.41559E-14	1.62468E-14	2.70309E-14	2.70309E-15
94	571390.6	4177999	0.55, 41779	0.27999	0.26698	0.21185	164.13881	55.69534	253.30621	20.51735	9.69774	31.66328	1.82E-10	6.1E-08	1.52E-08	5.63E-14	1.7E-13	1.34E-13	4.27E-15	1.03E-13	5.69E-15	1.13107E-13	1.823E-10	6.0995E-08	1.51521E-08	5.75468E-14	1.7264E-14	2.87234E-14	2.87234E-15
95	571430.6	4177999	0.55, 41779	0.30187	0.27888	0.2328	148.06777	50.74185	217.39094	18.50847	8.30154	27.17387	1.92E-10	5.44E-08	1.36E-08	5.92E-14	1.79E-13	1.41E-13	4.5E-15	1.09E-13	5.99E-15	1.19071E-13	1.919E-10	5.4431E-08	1.35599E-08	6.05812E-14	1.81744E-14	3.0238E-14	3.0238E-15
96	571470.6	4177999	0.55, 41779	0.32222	0.29016	0.268	133.22849	41.8567	195.88733	16.65356	8.00082	24.48592	2.02E-10	4.69E-08	1.22E-08	6.24E-14	1.88E-13	1.49E-13	4.74E-15	1.14E-13	6.32E-15	1.25453E-13	2.022E-10	4.6888E-08	1.22037E-08	6.38284E-14	1.91485E-14	3.18588E-14	3.18588E-15
97	571510.6	4177999	0.55, 41779	0.33311	0.29527	0.30394	113.25391	33.39085	138.27651	14.15674	7.16119	17.28456	2.09E-10	3.64E-08	1.01E-08	6.44E-14	1.94E-13	1.53E-13	4.88E-15	1.18E-13	6.51E-15	1.29379E-13	2.086E-10	3.6434E-08	1.00981E-08	6.58257E-14	1.97477E-14	3.28557E-14	3.28557E-15
98	571550.6	4177999	0.55, 41779	0.33431	0.29408	0.33024	118.79132	25.19774	142.42424	14.84891	6.75336	17.80303	2.1E-10	3.26E-08	1.06E-08	6.48E-14	1.96E-13	1.55E-13	4.92E-15	1.19E-13	6.56E-15	1.30291E-13	2.1E-10	3.2555E-08	1.05663E-08	6.62896E-14	1.98869E-14	3.30873E-14	3.30873E-15
99	571590.6	4177999	0.55, 41779	0.32897	0.28857	0.34209	117.12124	19.87515	150.29933	14.64016	6.7762	18.78742	2.08E-10	3.01E-08	1.05E-08	6.41E-14	1.93E-13	1.53E-13	4.86E-15	1.17E-13	6.48E-15	1.2876E-13	2.076E-10	3.011E-08	1.05142E-08	6.55108E-14	1.96533E-14	3.26986E-14	3.26986E-15
100	570310.6	4178039	0.55, 41780	0.09395	0.07118	0.09114	60.38117	27.45867	68.75884	7.54765	4.57644	8.59485	5.25E-11	2.44E-08	5.34E-09	1.62E-14	4.89E-14	3.87E-14	1.23E-15	2.97E-14	1.64E-15	3.2585E-14	5.253E-11	2.4399E-08	5.33528E-09	1.65787E-14	4.9736E-15	8.27495E-15	8.27495E-16
101	570350.6	4178039	0.55, 41780	0.10181	0.07823	0.09867	67.40685	28.30867	69.9761	8.42586	4.71811	8.74701	5.75E-11	2.54E-08	5.89E-09	1.78E-14	5.36E-14	4.23E-14	1.35E-15	3.25E-14	1.8E-15	3.56837E-14	5.752E-11	2.5406E-08	5.88979E-09	1.81553E-14	5.44658E-15	9.06187E-15	9.06187E-16
102	570390.6	4178039	0.55, 41780	0.11033	0.08626	0.10708	70.86935	29.39362	77.00767	8.85867	4.86131	9.62596	6.32E-11	2.68E-08	6.23E-09	1.95E-14	5.89E-14	4.65E-14	1.48E-15	3.57E-14	1.97E-15	3.91883E-14	6.317E-11	2.6775E-08	6.22592E-09	1.99383E-14	5.9815E-15	9.95186E-15	9.95186E-16
103	570430.6	4178039	0.55, 41780	0.11935	0.09539	0.11615	72.77771	30.53752	78.92837	9.09721	4.99157	9.86605	6.95E-11	2.77E-08	6.39E-09	2.15E-14	6.48E-14	5.12E-14	1.63E-15	3.93E-14	2.17E-15	4.31232E-14	6.952E-11	2.7679E-08	6.39207E-09	2.19404E-14	6.58211E-15	1.09511E-14	1.09511E-15
104	570470.6	4178039	0.55, 41780	0.12876	0.10583	0.1256	77.88414	31.78332	83.40463	9.73552	5.12346	10.42558	7.66E-11	2.9E-08	6.83E-09	2.36E-14	7.14E-14	5.64E-14	1.79E-15	4.34E-14	2.39E-15	4.7543E-14	7.664E-11	2.904E-08	6.8302E-09	2.41891E-14	7.25672E-15	1.20735E-14	1.20735E-15
105	570510.6	4178039	0.55, 41780	0.13797	0.11733	0.13491	81.61557	33.05226	90.60057	10.20195	5.27698	11.32507	8.43E-11	3.05E-08	7.19E-09	2.6E-14	7.86E-14	6.21E-14	1.97E-15	4.77E-14	2.63E-15	5.23134E-14	8.433E-11	3.0541E-08	7.1887E-09	2.66162E-14	7.98485E-15	1.3285E-14	1.3285E-15
106	570550.6	4178039	0.55, 41780	0.14677	0.12979	0.14418	83.22783	34.40977	92.92473	10.40348	5.64664	11.61559	9.25E-11	3.16E-08	7.34E-09	2.86E-14	8.62E-14	6.81E-14	2.17E-15	5.23E-14	2.89E-15	5.73966E-14	9.253E-11	3.1577E-08	7.33593E-09	2.92024E-14	8.76073E-15	1.45759E-14	1.45759E-15
107	570590.6	4178039	0.55, 41780	0.15543	0.14397	0.15331	100.7883	35.81672	104.85134	12.59854	6.05306	13.10642	1.02E-10	3.44E-08	8.81E-09	3.14E-14	9.47E-14	7.48E-14	2.38E-15	5.75E-14	3.17E-15	6.30602E-14	1.017E-10	3.4389E-08	8.80872E-09	3.20839E-14	9.62518E-15	1.60141E-14	1.60141E-15
108	570630.6	4178039	0.55, 41780	0.16446	0.15887	0.16086	114.63184	37.47906	118.86748	14.32898	6.85921	14.85844	1.11E-10	3.73E-08	1E-08	3.43E-14	1.03E-13	8.18E-14	2.6E-15	6.28E-14	3.47E-15	6.89095E-14	1.111E-10	3.7274E-08	1.00149E-08	3.506E-14	1.0518E-14	1.74996E-14	1.74996E-15
109	570670.6	4178039	0.55, 41780	0.17604	0.17458	0.16859	120.19022	39.09251	122.97013	15.02378	7.81169	15.37127	1.21E-10	3.88E-08	1.05E-08	3.74E-14	1.13E-13	8.92E-14	2.84E-15	6.85E-14	3.78E-15	7.51455E-14	1.211E-10	3.8838E-08	1.04842E-08	3.82328E-14	1.14698E-14	1.90832E-14	1.90832E-15
110	570710.6	4178039	0.55, 41780	0.19156	0.191	0.18153	122.05191	40.81454	130.55962	15.86896	8.63568	17.88475	1.32E-10	4.05E-08	1.12E-08	4.08E-14	1.23E-13	9.73E-14	3.1E-15	7.48E-14	4.13E-15	8.20316E-14	1.322E-10	4.0504E-08	1.12029E-08	4.17363E-14	1.25209E-14	2.08319E-14	2.08319E-15
111	570750.6	4178039	0.55, 41780	0.2105	0.20761	0.19902	132.53323	47.68084	144.79481	16.56665	9.43658	19.64627	1.44E-10	4.61E-08	1.18E-08	4.44E-14	1.34E-13	1.06E-13	3.37E-15	8.15E-14	4.5E-15	8.93365E-14	1.44E-10	4.6085E-08	1.17717E-08	4.54529E-14	1.36359E-14	2.2687E-14	2.2687E-15
112	570790.6	4178039	0.55, 41780	0.23169	0.22417	0.21523	139.552	52.7884	147.64201	17.444	10.33029	19.40572	1.56E-10	4.96E-08	1.23E-08	4.81E-14	1.45E-13	1.15E-13	3.65E-15	8.81E-14	4.87E-15	9.66493E-14	1.558E-10	4.9583E-08	1.2295E-08	4.91735E-14	1.47521E-14	2.45441E-14	2.45441E-15
113	570830.6	4178039	0.55, 41780	0.25382	0.24067	0.23208	145.24751	55.81087	161.73262	18.15594	11.28689	20.21658	1.68E-10	5.27E-08	1.28E-08	5.17E-14	1.56E-13	1.23E-13	3.93E-15	9.48E-14	5.24E-15	1.04009E-13	1.677E-10	5.2719E-08	1.27982E-08	5.2918E-14	1.58754E-14	2.64131E-14	2.64131E-15
114	570870.6	4178039	0.55, 41780	0.27385	0.25672	0.25028	159.27674	59.06353	181.66903	19.90959	12.04587	22.70863	1.79E-10	5.7E-08	1.41E-08	5.53E-14	1.67E-13	1.32E-13	4.2E-15	1.01E-13	5.6E-15	1.11198E-13	1.793E-10	5.6961E-08	1.40766E-08	5.65754E-14	1.69726E-14	2.82386E-14	2.82386E-15
115	570910.6	4178039	0.55, 41780	0.28498	0.272	0.26185	154.31681	63.03506	190.144	19.2896	11.80173	23.768	1.89E-10	5.95E-08	1.38E-08	5.84E-14	1.76E-13	1.39E-13	4.43E-15	1.07E-13	5.91E-15	1.17454E-13	1.893E-10	5.9519E-08	1.37763E-08	5.97587E-14	1.79276E-14	2.98275E-14	2.98275E-15
116	570950.6	4178039	0.55, 41780	0.28313	0.28254	0.2606	178.15221	69.82475	214.80591	22.26903	10.41815	26.85074	1.95E-10	6.67E-08	1.59E-08	6.02E-14	1.82E-13	1.44E-13	4.57E-15	1.1E-13	6.09E-15	1.20953E-13	1.95E-10	6.6708E-08	1.58582E-08	6.15387E-14	1.84616E-14	3.07159E-14	3.07159E-15
117	570990.6	4178039	0.55, 41780	0.27042	0.28832	0.24711	188.87787	74.10995	223.28286	29.14051	12.35166	34.29706	1.96E-10	7.04E-08	2.07E-08	6.06E-14	1.83E-13	1.45E-13	4.6E-15	1.11E-13	6.13E-15	1.21797E-13	1.963E-10	7.0421E-08	2.06859E-08	6.19681E-14	1.85904E-14	3.09303E-14	3.09303E-15
118	571030.6	4178039	0.55, 41780	0.25749	0.29249	0.23391	188.96663	83.29257	277.8919	26.99523	13.88209	39.69884	1.97E-10	7.98E-08	1.98E-08	6.07E-14	1.83E-13	1.45E-13	4.61E-15	1.11E-13	6.15E-15	1.22092E-13	1.968E-10	7.9795E-08	1.97826E-08	6.21181E-14	1.86354E-14	3.10051E-14	3.10051E-15
119	571070.6	4178039	0.55, 41780	0.25163	0.29646	0.21613	192.59035	92.57991	271.23553	26.01862	14.40126	34.27332	1.97E-10	8.47E-08	1.88E-08	6.09E-14	1.84E-13	1.45E-13	4.62E-15	1.12E-13	6.16E-15	1.2237E-13	1.973E-10	8.4658E-08	1.87551E-08	6.22596E-14	1.86779E-14	3.10758E-14	3.10758E-15
120	571110.6	4178039	0.55, 41780	0.23996	0.28057	0.20816	179.79911	89.13384	295.00102	29.33997	15.522	36.88643	1.87E-10	8.38E-08	2.1E-08	5.77E-14	1.74E-13	1.38E-13	4.38E-15	1.06E-13	5.84E-15	1.16057E-13	1.871E-10	8.3803E-08	2.10115E-08	5.90476E-14	1.77143E-14	2.94725E-14	2.94725E-15
121	571150.6	4178039	0.55, 41780	0.25767	0.30302	0.23363	202.30498	100.11261	284.90591	28.90071	16.95197	47.48432	2.03E-10	9.05E-08	2.16E-08	6.25E-14	1.89E-13	1.49E-13	4.75E-15	1.15E-13	6.33E-15	1.25713E-13	2.027E-10	9.0518E-08	2.15686E-08	6.39604E-14	1.91881E-14	3.19247E-14	3.19247E-15
122	571190.6	4178039	0.55, 41780	0.27122	0.30641	0.22867	194.68377	101.89225	297.80862	27.81197	16.7188	37.22608	2.05E-10	9.2E-08	2.01E-08	6.33E-14	1.91E-13	1.51E-13	4.8E-15	1.16E-13	6.4E-15	1.27165E-13	2.05E-10	9.2038E-08	2.0094E-08	6.46996E-14	1.94099E-14	3.22936E-14	3.22936E-15
123	571230.6	4178039	0.55, 41780	0.28804	0.31092	0.2326	196.84209	99.06119	294.63263	24.60526	16.26482	42.09038	2.09E-10	9.04E-08	1.85E-08	6.44E-14	1.95E-13	1.54E-13	4.89E-15	1.18E-13	6.52E-15	1.29562E-13	2.089E-10	9.0353E-08	1.84929E-08	6.5919E-14	1.97757E-14	3.29023E-14	3.29023E-15
124	571270.6	4178039	0.55, 41780	0.31661	0.32283	0.24843	191.8709	85.51951	280.99547	23.98386	14.63938	35.12443	2.18E-10	8.15E-08	1.76E-08	6.74E-14	2.04E-13	1.61E-13	5.12E-15	1.24E-13	6.82E-15	1.35541E-13	2.185E-10	8.1456E-08	1.75644E-08	6.89609E-14	2.06883E-14	3.44206E-14	3.44206E-15
125	571310.6	4178039	0.55, 41780	0.35598	0.34149	0.26147	189.38373	68.10225	290.04443	23.67297	13.72977	36.25555	2.32E-10	7.23E-08	1.75E-08	7.17E-14	2.16E-13	1.71E-13	5.44E-15	1.31E-13	7.26E-15	1.44129E-13	2.323E-10	7.2335E-08	1.74608E-08	7.33303E-14	2.19991E-14	3.66015E-14	3.66015E-15
126	571350.6	4178039	0.55, 41780	0.39399	0.35989	0.2835	182.95784	62.01914	299.45287	22.86973	11.81322	37.43161	2.47E-10	6.93E-08	1.71E-08	7.61E-14	2.3E-13	1.82E-13	5.78E-15	1.4E-13	7.7E-15	1.5301E-13	2.467E-10	6.9291E-08	1.70564E-08	7.7849E-14	2.33547E-14	3.88569E-14	3.88569E-15
127	571390.6	4178039	0.55, 41780	0.4222	0.3733	0.32107	164.47464	56.17724	258.72398	20.55933	10.13431	32.3405	2.59E-10	6.17E-08	1.52E-08	7.99E-14	2.41E-13	1.9E-13	6.06E-15	1.46E-13	8.08E-15	1.60546E-13	2.588E-10	6.1707E-08	1.52309E-08	8.16831E-14	2.45049E-14	4.07706E-14	4.07706E-15
128	571430.6	4178039	0.55, 41780	0.44026	0.38105	0.3744	146.31006	45.8458	221.86738	18.28876	9.60517	27.73342	2.68E-10	5.2E-08	1.35E-08	8.28E-14	2.5E-13	1.98E-13	6.29E-15	1.52E-13	8.38E-15	1.66503E-13	2.684E-10	5.1952E-08	1.34679E-08	8.47136E-14	2.54141E-14	4.22833E-14	4.22833E-15
129	571470.6	4178039	0.55, 41780	0.44344	0.3799	0.42037	134.05635	35.96521	154.66668	16.75704	8.42199	19.33334	2.72E-10	4.04E-08	1.19E-08	8.38E-14	2.53E-13	2E-13	6.36E-15	1.54E-13	8.48E-15	1.68459E-13	2.716E-10	4.0446E-08	1.18649E-08	8.5709E-14	2.57127E-14	4.27801E-14	4.27801E-15
130	571510.6	4178039	0.55, 41780	0.43369	0.37075	0.44522	135.2804	26.4112	176.84451	16.91005	8.14543	22.10556	2.68E-10	3.7E-08	1.22E-08	8.26E-14	2.5E-13	1.97E-13	6.27E-15	1.51E-13	8.36E-15	1.66134E-13	2.678E-10	3.6951E-08	1.21761E-08	8.45259E-14	2.53578E-14	4.21896E-14	4.21896E-15
131	571550.6	4178039	0.55, 41780	0.4157	0.35641	0.44493	128.00174	25.24959	172.96462	16.00022	7.84928	21.62058	2.59E-10	3.55E-08	1.16E-08	7.98E-14	2.41E-13	1.9E-13	6.06E-15	1.46E-13	8.08E-15	1.60482E-13	2.587E-10	3.5547E-08	1.1576E-08	8.16503E-14	2.44951E-14	4.07543E-14	4.07543E-15
132	571590.6	4178039	0.55, 41780	0.38889	0.33646	0.4222	114.21376	28.264	151.26331	14.27672	7.21894	18.90791	2.44E-10	3.47E-08	1.03E-08	7.53E-14	2.27E-13	1.8E-13	5.72E-15	1.38E-13	7.62E-15	1.51467E-13	2.442E-10	3.4662E-08	1.02991E-08	7.70637E-14	2.31191E-14	3.84649E-14	3.84649E-15
133	570310.6	4178079	0.55, 41780	0.09792	0.07296	0.09477	71.40728	28.01469	77.09789	8.92591	4.66912	9.63724	5.4E-11	2.6E-08	6.27E-09	1.67E-14	5.04E-14	3.98E-14	1.27E-15	3.06E-14	1.69E-15	3.35282E-14	5.405E-11	2.605E-08	6.26835E-09	1.70586E-14	5.11757E-15	8.51448E-15	8.51448E-16
134	570350.6	4178079	0.55, 41780	0.1067	0.08065	0.10312	70.03301	29.10671	80.22931	8.75413	4.85112	10.02866	5.95E-11	2.68E-08	6.19E-09	1.84E-14	5.55E-14	4.38E-14	1.39E-15	3.37E-14	1.86E-15	3.69229E-14	5.952E-11	2.6815E-08	6.19281E-09	1.87857E-14	5.63571E-15	9.37655E-15	9.37655E-16
135	570390.6	4178079	0.55, 41780	0.11641	0.08948	0.11242	73.93226	30.15719	77.81828	9.24153	5.0262	9.72728	6.58E-11	2.75E-08	6.47E-09	2.03E-14	6.13E-14	4.84E-14	1.54E-15	3.72E-14	2.05E-15	4.07924E-14	6.576E-11	2.7454E-08	6.47039E-09	2.07545E-14	6.22634E-15	1.03592E-14	1.03592E-15
136	570430.6	4178079	0.55, 41780	0.12715	0.09969	0.12302	79.99098	31.34254	86.52141	9.99887	5.20891	10.81518	7.29E-11	2.92E-08	7.02E-09	2.25E-14	6.79E-14	5.37E-14	1.71E-15	4.13E-14	2.28E-15	4.52403E-14	7.293E-11	2.9171E-08	7.02337E-09	2.30175E-14	6.90524E-15	1.14888E-14	1.14888E-15
137	570470.6	4178079	0.55, 41780	0.13857	0.11144	0.13449	81.53824	32.65768	88.86509	10.19228	5.39019	11.10814	8.11E-11	3.02E-08	7.17E-09	2.5E-14	7.55E-14	5.97E-14	1.9E-15	4.59E-14	2.53E-15	5.02873E-14	8.106E-11	3.0181E-08	7.16577E-09	2.55853E-14	7.67559E-15	1.27704E-14	1.27704E-15
138	570510.6	4178079	0.55, 41780	0.15049	0.12507	0.14657	87.75299	34.11951	95.20757	10.96912	5.60116	11.90095	9.03E-11	3.19E-08	7.71E-09	2.79E-14	8.42E-14	6.65E-14	2.12E-15	5.11E-14	2.82E-15	5.60309E-14	9.032E-11	3.1878E-08	7.70773E-09	2.85075E-14	8.55226E-15	1.4229E-14	1.4229E-15
139	570550.6	4178079	0.55, 41780	0.16198	0.14034	0.1583	91.64015	35.64897	104.22382	11.45502	5.99366	13.02798	1E-10	3.37E-08	8.1E-09	3.1E-14	9.36E-14	7.39E-14	2.35E-15	5.68E-14	3.14E-15	6.23058E-14	1.004E-10	3.3675E-08	8.09605E-09	3.17001E-14	9.51003E-15	1.58225E-14	1.58225E-15
140	570590.6	4178079	0.55, 41780	0.17272	0.15744	0.16968	88.35639	37.38874	105.88084	11.57204	6.46071	13.23511	1.11E-10	3.46E-08	8.18E-09	3.44E-14	1.04E-13	8.21E-14	2.61E-15	6.31E-14	3.48E-15	6.9165E-14	1.115E-10	3.4565E-08	8.18454E-09	3.519E-14	1.0557E-14	1.75644E-14	1.75644E-15
141	570630.6	4178079	0.55, 41780	0.1831	0.1763	0.17984	101.08083	39.23196	114.54818	12.6351	7.02353	14.31852	1.23E-10	3.71E-08	8.93E-09	3.81E-14	1.15E-13	9.08E-14	2.89E-15	6.98E-14	3.85E-15	7.65575E-14	1.234E-10	3.7062E-08	8.92606E-09	3.89511E-14	1.16853E-14	1.94417E-14	1.94417E-15
142	570670.6	4178079	0.55, 41780	0.19537	0.19687	0.18849	125.63761	41.20021	131.91916	15.7047	8.22231	16.4899	1.36E-10	4.1E-08	1.1E-08	4.21E-14	1.27E-13	1E-13	3.19E-15	7.71E-14	4.26E-15	8.45391E-14	1.363E-10	4.1049E-08	1.09924E-08	4.3012E-14	1.29036E-14	2.14687E-14	2.14687E-15
143	570710.6	4178079	0.55, 41780	0.21241	0.21933	0.20096	144.38379	43.29239	151.59141	18.04797	9.29195	18.94893	1.51E-10	4.49E-08	1.26E-08	4.65E-14	1.4E-13	1.11E-13	3.53E-15	8.53E-14	4.71E-15	9.35421E-14	1.508E-10	4.4921E-08	1.26324E-08	4.75926E-14	1.42778E-14	2.3755E-14	2.3755E-15
144	570750.6	4178079	0.55, 41780	0.23537	0.24332	0.2221	149.96792	48.92505	154.1756	18.74599	10.23	23.04389	1.67E-10	4.86E-08	1.34E-08	5.16E-14	1.56E-13	1.23E-13	3.92E-15	9.46E-14	5.22E-15	1.03722E-13	1.672E-10	4.86E-08	1.33838E-08	5.27721E-14	1.58316E-14	2.63402E-14	2.63402E-15
145	570790.6	4178079	0.55, 41780	0.26445	0.26867	0.24585	159.48841	56.15329	178.05216	19.93605	11.24377	22.79466	1.85E-10	5.51E-08	1.41E-08	5.71E-14	1.72E-13	1.36E-13	4.33E-15	1.05E-13	5.78E-15	1.14735E-13	1.85E-10	5.5076E-08	1.40996E-08	5.83751E-14	1.75125E-14	2.91369E-14	2.91369E-15
146	570830.6	4178079	0.55, 41780	0.30001	0.29551	0.27029	164.85959	59.75168	177.78875	20.60745	12.43332	22.22359	2.04E-10	5.74E-08	1.45E-08	6.29E-14	1.9E-13	1.5E-13	4.78E-15	1.15E-13	6.37E-15	1.26546E-13	2.04E-10	5.7389E-08	1.44698E-08	6.43842E-14	1.93153E-14	3.21362E-14	3.21362E-15
147	570870.6	4178079	0.55, 41780	0.34051	0.32416	0.30185	178.96906	63.85658	203.22306	22.37113	13.91568	25.40288	2.25E-10	6.25E-08	1.58E-08	6.94E-14	2.1E-13	1.66E-13	5.27E-15	1.27E-13	7.02E-15	1.39517E-13	2.249E-10	6.2539E-08	1.58081E-08	7.09837E-14	2.12951E-14	3.54302E-14	3.54302E-15
148	570910.6	4178079	0.55, 41780	0.37529	0.35313	0.33459	192.82824	68.49057	229.7632	24.10353	15.26079	28.7204	2.46E-10	6.81E-08	1.71E-08	7.58E-14	2.29E-13	1.81E-13	5.75E-15	1.39E-13	7.67E-15	1.52434E-13	2.457E-10	6.8054E-08	1.71378E-08	7.75555E-14	2.32667E-14	3.87104E-14	3.87104E-15
149	570950.6	4178079	0.55, 41780	0.39192	0.37725	0.35493	199.56835	75.56845	241.42387	26.9715	14.65967	30.17798	2.62E-10	7.33E-08	1.9E-08	8.08E-14	2.44E-13	1.93E-13	6.13E-15	1.48E-13	8.17E-15	1.62374E-13	2.618E-10	7.3318E-08	1.90237E-08	8.26131E-14	2.47839E-14	4.12349E-14	4.12349E-15
150	570990.6	4178079	0.55, 41780	0.38624	0.39167	0.34038	209.52387	83.72546	270.89556	31.32288	13.79848	33.86195	2.68E-10	8.08E-08	2.2E-08	8.28E-14	2.5E-13	1.97E-13	6.28E-15	1.52E-13	8.38E-15	1.66416E-13	2.683E-10	8.0774E-08	2.20003E-08	8.46695E-14	2.54008E-14	4.22612E-14	4.22612E-15
151	571030.6	4178079	0.55, 41780	0.36706	0.40059	0.31708	238.62537	94.19927	346.28961	34.73297	15.69988	52.33117	2.7E-10	9.43E-08	2.56E-08	8.34E-14	2.52E-13	1.99E-13	6.33E-15	1.53E-13	8.44E-15	1.67615E-13	2.702E-10	9.4304E-08	2.5551E-08	8.52795E-14	2.55838E-14	4.25657E-14	4.25657E-15
152	571070.6	4178079	0.55, 41780	0.35702	0.41066	0.29659	228.92087	105.90077	368.47625	31.45005	16.61116	46.05953	2.74E-10	1.02E-07	2.3E-08	8.44E-14	2.55E-13	2.01E-13	6.41E-15	1.55E-13	8.54E-15	1.69701E-13	2.736E-10	1.0193E-07	2.30323E-08	8.63408E-14	2.59022E-14	4.30954E-14	4.30954E-15
153	571110.6	4178079	0.55, 41780	0.35812	0.41418	0.29542	212.64364	104.08221	374.64105	34.6648	20.98986	46.90606	2.75E-10	1E-07	2.51E-08	8.5E-14	2.57E-13	2.03E-13	6.45E-15	1.56E-13	8.6E-15	1.70899E-13	2.755E-10	1.0038E-07	2.50848E-08	8.69506E-14	2.60852E-14	4.33998E-14	4.33998E-15
154	571150.6	4178079	0.55, 41780	0.37758	0.42317	0.31748	239.48451	117.47672	371.65504	34.21207	20.38272	60.67868	2.83E-10	1.09E-07	2.59E-08	8.75E-14	2.64E-13	2.09E-13	6.64E-15	1.6E-13	8.85E-15	1.75821E-13	2.834E-10	1.0927E-07	2.58817E-08	8.94546E-14	2.68364E-14	4.46496E-14	4.46496E-15
155	571190.6	4178079	0.55, 41780	0.41277	0.43447	0.31013	228.77572	115.09155	359.73847	28.66724	20.67403	44.96731	2.91E-10	1.06E-07	2.12E-08	8.99E-14	2.71E-13	2.14E-13	6.82E-15	1.65E-13	9.1E-15	1.80722E-13	2.913E-10	1.0634E-07	2.12276E-08	9.19484E-14	2.75845E-14	4.58944E-14	4.58944E-15
156	571230.6	4178079	0.55, 41780	0.46673	0.45732	0.33128	219.54291	100.98995	305.404	27.44286	18.56894	43.62914	3.09E-10	9.37E-08	2.04E-08	9.54E-14	2.88E-13	2.27E-13	7.24E-15	1.75E-13	9.65E-15	1.91713E-13	3.09E-10	9.3685E-08	2.03665E-08	9.75401E-14	2.9262E-14	4.86854E-14	4.86854E-15
157	571270.6	4178079	0.55, 41780	0.53318	0.48578	0.3586	215.1929	81.06645	332.5769	26.89911	17.27973	41.57211	3.31E-10	8.45E-08	1.99E-08	1.02E-13	3.09E-13	2.44E-13	7.76E-15	1.87E-13	1.03E-14	2.0542E-13	3.311E-10	8.4473E-08	1.98697E-08	1.04514E-13	3.13542E-14	5.21662E-14	5.21662E-15
158	571310.6	4178079	0.55, 41780	0.58671	0.50689	0.39805	205.97464	69.75551	363.05687	25.74683	14.70822	45.38211	3.49E-10	8E-08	1.95E-08	1.08E-13	3.25E-13	2.57E-13	8.18E-15	1.98E-13	1.09E-14	2.16681E-13	3.493E-10	7.9998E-08	1.94556E-08	1.10244E-13	3.30731E-14	5.50262E-14	5.50262E-15
159	571350.6	4178079	0.55, 41780	0.61439	0.51569	0.46686	184.46358	62.8789	316.33591	23.05795	12.5762	39.54199	3.61E-10	7.12E-08	1.73E-08	1.11E-13	3.37E-13	2.66E-13	8.46E-15	2.04E-13	1.13E-14	2.24123E-13	3.613E-10	7.1182E-08	1.73377E-08	1.1403E-13	3.4209E-14	5.69161E-14	5.69161E-15
160	571390.6	4178079	0.55, 41780	0.61879	0.51229	0.54521	162.6235	50.78632	251.98298	20.32794	11.67282	31.49787	3.66E-10	5.81E-08	1.5E-08	1.13E-13	3.41E-13	2.69E-13	8.57E-15	2.07E-13	1.14E-14	2.26922E-13	3.658E-10	5.807E-08	1.50221E-08	1.15454E-13	3.46362E-14	5.76268E-14	5.76268E-15
161	571430.6	4178079	0.55, 41780	0.60477	0.49855	0.60294	157.24404	39.05995	207.2573	19.65551	9.99401	25.90716	3.62E-10	4.77E-08	1.42E-08	1.12E-13	3.37E-13	2.66E-13	8.47E-15	2.05E-13	1.13E-14	2.24444E-13	3.618E-10	4.7726E-08	1.41696E-08	1.14193E-13	3.4258E-14	5.69976E-14	5.69976E-15
162	571470.6	4178079	0.55, 41780	0.57311	0.47467	0.61341	152.07991	30.59352	215.52596	19.00999	9.68796	26.94074	3.47E-10	4.33E-08	1.39E-08	1.07E-13	3.24E-13	2.56E-13	8.14E-15	1.97E-13	1.08E-14	2.15497E-13	3.474E-10	4.3347E-08	1.38516E-08	1.09641E-13	3.28924E-14	5.47255E-14	5.47255E-15
163	571510.6	4178079	0.55, 41780	0.53465	0.44658	0.58613	137.55383	33.88214	191.36045	17.19423	8.95455	23.92006	3.27E-10	4.24E-08	1.25E-08	1.01E-13	3.05E-13	2.41E-13	7.66E-15	1.85E-13	1.02E-14	2.03006E-13	3.273E-10	4.2376E-08	1.24935E-08	1.03286E-13	3.09858E-14	5.15533E-14	5.15533E-15
164	571550.6	4178079	0.55, 41780	0.48548	0.41212	0.53241	120.13532	36.07438	157.49519	15.01691	7.90342	19.6869	3.01E-10	3.99E-08	1.08E-08	9.28E-14	2.8E-13	2.21E-13	7.05E-15	1.7E-13	9.39E-15	1.86622E-13	3.008E-10	3.9857E-08	1.08173E-08	9.49502E-14	2.84851E-14	4.73927E-14	4.73927E-15
165	571590.6	4178079	0.55, 41780	0.43445	0.37558	0.47142	108.95419	37.19094	141.55637	13.61927	6.74143	17.69455	2.73E-10	3.85E-08	9.8E-09	8.41E-14	2.54E-13	2.01E-13	6.38E-15	1.54E-13	8.51E-15	1.69097E-13	2.726E-10	3.8532E-08	9.79804E-09	8.60339E-14	2.58102E-14	4.29422E-14	4.29422E-15
166	570310.6	4178119	0.55, 41781	0.10149	0.07442	0.09774	69.0748	28.05035	78.28908	8.63435	4.67506	9.78613	5.53E-11	2.6E-08	6.1E-09	1.71E-14	5.15E-14	4.07E-14	1.3E-15	3.13E-14	1.73E-15	3.43137E-14	5.531E-11	2.6017E-08	6.09984E-09	1.74582E-14	5.23746E-15	8.71395E-15	8.71395E-16
167	570350.6	4178119	0.55, 41781	0.11138	0.08273	0.10725	79.07973	29.62524	82.98136	9.88497	4.93754	10.37267	6.13E-11	2.79E-08	6.92E-09	1.89E-14	5.71E-14	4.51E-14	1.44E-15	3.47E-14	1.91E-15	3.80212E-14	6.129E-11	2.7884E-08	6.9184E-09	1.93445E-14	5.80336E-15	9.65548E-15	9.65548E-16
168	570390.6	4178119	0.55, 41781	0.12249	0.09237	0.11775	81.81771	30.97041	92.38822	10.22721	5.16174	11.54853	6.82E-11	2.95E-08	7.22E-09	2.1E-14	6.35E-14	5.02E-14	1.6E-15	3.86E-14	2.13E-15	4.22823E-14	6.816E-11	2.9537E-08	7.22178E-09	2.15125E-14	6.45375E-15	1.07376E-14	1.07376E-15
169	570430.6	4178119	0.55, 41781	0.13492	0.10362	0.12964	81.48606	32.23138	89.13007	10.18576	5.3719	11.14126	7.61E-11	3E-08	7.16E-09	2.35E-14	7.09E-14	5.6E-14	1.78E-15	4.31E-14	2.38E-15	4.72166E-14	7.611E-11	2.9962E-08	7.16433E-09	2.4023E-14	7.20689E-15	1.19906E-14	1.19906E-15
170	570470.6	4178119	0.55, 41781	0.14882	0.11683	0.14311	90.82614	33.6686	97.62505	11.35327	5.5932	12.20313	8.54E-11	3.2E-08	7.97E-09	2.63E-14	7.95E-14	6.28E-14	2E-15	4.83E-14	2.67E-15	5.29597E-14	8.537E-11	3.2008E-08	7.9687E-09	2.6945E-14	8.08349E-15	1.34491E-14	1.34491E-15
171	570510.6	4178119	0.55, 41781	0.16361	0.13228	0.15796	92.34034	35.20886	102.68913	11.54254	5.82093	12.83614	9.6E-11	3.34E-08	8.14E-09	2.96E-14	8.95E-14	7.07E-14	2.25E-15	5.43E-14	3E-15	5.95759E-14	9.604E-11	3.3354E-08	8.13513E-09	3.03112E-14	9.09336E-15	1.51293E-14	1.51293E-15
172	570550.6	4178119	0.55, 41781	0.17911	0.1505	0.17388	100.11195	36.92243	110.21215	12.51399	6.33987	13.77652	1.08E-10	3.54E-08	8.81E-09	3.34E-14	1.01E-13	7.98E-14	2.54E-15	6.13E-14	3.38E-15	6.72258E-14	1.084E-10	3.538E-08	8.80886E-09	3.42033E-14	1.0261E-14	1.7072E-14	1.7072E-15
173	570590.6	4178119	0.55, 41781	0.19374	0.17125	0.18923	103.74737	38.76233	121.67682	12.96842	6.89651	15.2096	1.22E-10	3.75E-08	9.2E-09	3.76E-14	1.14E-13	8.98E-14	2.86E-15	6.9E-14	3.81E-15	7.56859E-14	1.22E-10	3.7525E-08	9.20166E-09	3.85077E-14	1.15523E-14	1.92204E-14	1.92204E-15
174	570630.6	4178119	0.55, 41781	0.2069	0.19483	0.20326	104.63966	41.01094	121.05227	13.84797	7.49161	15.13153	1.37E-10	3.88E-08	9.74E-09	4.23E-14	1.28E-13	1.01E-13	3.21E-15	7.75E-14	4.28E-15	8.49998E-14	1.37E-10	3.8781E-08	9.739E-09	4.32465E-14	1.29739E-14	2.15857E-14	2.15857E-15
175	570670.6	4178119	0.55, 41781	0.21998	0.22122	0.21442	115.58367	43.51142	138.36153	15.0671	8.60459	17.29519	1.53E-10	4.22E-08	1.07E-08	4.73E-14	1.43E-13	1.13E-13	3.59E-15	8.68E-14	4.79E-15	9.51395E-14	1.534E-10	4.2207E-08	1.06614E-08	4.84054E-14	1.45216E-14	2.41607E-14	2.41607E-15
176	570710.6	4178119	0.55, 41781	0.23703	0.25104	0.22497	127.12041	45.98226	134.54184	16.41254	9.96819	16.81773	1.72E-10	4.4E-08	1.15E-08	5.3E-14	1.6E-13	1.26E-13	4.02E-15	9.72E-14	5.37E-15	1.06585E-13	1.718E-10	4.4002E-08	1.14554E-08	5.42287E-14	1.62686E-14	2.70673E-14	2.70673E-15
177	570750.6	4178119	0.55, 41781	0.26187	0.28441	0.24496	163.41699	49.64069	173.69321	20.42712	11.18287	24.67477	1.93E-10	5.14E-08	1.46E-08	5.97E-14	1.8E-13	1.42E-13	4.53E-15	1.09E-13	6.04E-15	1.20014E-13	1.935E-10	5.1364E-08	1.455E-08	6.1061E-14	1.83183E-14	3.04775E-14	3.04775E-15
178	570790.6	4178119	0.55, 41781	0.29707	0.32177	0.27572	189.30326	59.79186	203.13563	23.66291	12.3939	25.39195	2.19E-10	6.09E-08	1.66E-08	6.75E-14	2.04E-13	1.61E-13	5.12E-15	1.24E-13	6.83E-15	1.35741E-13	2.188E-10	6.0921E-08	1.66054E-08	6.90628E-14	2.07188E-14	3.44714E-14	3.44714E-15
179	570830.6	4178119	0.55, 41781	0.34574	0.3643	0.31009	193.11502	64.55328	210.79637	24.13938	13.76558	26.34955	2.48E-10	6.44E-08	1.7E-08	7.66E-14	2.31E-13	1.83E-13	5.81E-15	1.4E-13	7.75E-15	1.53947E-13	2.482E-10	6.4403E-08	1.69746E-08	7.83256E-14	2.34977E-14	3.90948E-14	3.90948E-15
180	570870.6	4178119	0.55, 41781	0.41228	0.41342	0.35667	202.8381	69.60981	241.64288	25.35476	15.49628	31.6123	2.83E-10	7.02E-08	1.81E-08	8.74E-14	2.64E-13	2.08E-13	6.63E-15	1.6E-13	8.84E-15	1.75709E-13	2.832E-10	7.023E-08	1.81369E-08	8.93975E-14	2.68192E-14	4.46211E-14	4.46211E-15
181	570910.6	4178119	0.55, 41781	0.49003	0.46844	0.41739	224.50761	75.3478	268.49725	28.06345	17.99511	33.56216	3.23E-10	7.69E-08	2E-08	9.98E-14	3.01E-13	2.38E-13	7.57E-15	1.83E-13	1.01E-14	2.00623E-13	3.234E-10	7.6871E-08	1.9963E-08	1.02074E-13	3.06221E-14	5.09481E-14	5.09481E-15
182	570950.6	4178119	0.55, 41781	0.55455	0.52056	0.48015	237.44511	82.6149	307.44591	31.19836	20.61697	38.43074	3.61E-10	8.48E-08	2.23E-08	1.11E-13	3.37E-13	2.66E-13	8.46E-15	2.04E-13	1.13E-14	2.24124E-13	3.613E-10	8.476E-08	2.22805E-08	1.1403E-13	3.42091E-14	5.69163E-14	5.69163E-15
183	570990.6	4178119	0.55, 41781	0.59019	0.56679	0.49805	260.70129	98.30209	347.94815	39.14578	18.7176	43.49352	3.91E-10	9.81E-08	2.76E-08	1.21E-13	3.64E-13	2.87E-13	9.15E-15	2.21E-13	1.22E-14	2.423E-13	3.906E-10	9.8092E-08	2.75867E-08	1.23278E-13	3.69835E-14	6.15321E-14	6.15321E-15
184	571030.6	4178119	0.55, 41781	0.58003	0.59593	0.46436	288.08817	110.38847	394.82286	43.41155	19.84321	60.28631	4.04E-10	1.1E-07	3.15E-08	1.25E-13	3.76E-13	2.97E-13	9.45E-15	2.28E-13	1.26E-14	2.50311E-13	4.035E-10	1.1018E-07	3.1535E-08	1.27354E-13	3.82062E-14	6.35664E-14	6.35664E-15
185	571070.6	4178119	0.55, 41781	0.56003	0.61401	0.43624	281.59163	124.26135	479.69295	39.26934	23.95732	65.06151	4.1E-10	1.24E-07	2.93E-08	1.27E-13	3.82E-13	3.02E-13	9.6E-15	2.32E-13	1.28E-14	2.544E-13	4.101E-10	1.2411E-07	2.9349E-08	1.29434E-13	3.88303E-14	6.46048E-14	6.46048E-15
186	571110.6	4178119	0.55, 41781	0.57497	0.62965	0.42923	279.23237	138.16088	507.21032	41.39356	27.39628	63.69191	4.19E-10	1.34E-07	3.06E-08	1.29E-13	3.91E-13	3.09E-13	9.82E-15	2.37E-13	1.31E-14	2.60028E-13	4.192E-10	1.3384E-07	3.05544E-08	1.32298E-13	3.96893E-14	6.60339E-14	6.60339E-15
187	571150.6	4178119	0.55, 41781	0.64473	0.65929	0.45591	273.06399	137.55558	506.75735	37.77228	27.34359	77.75635	4.42E-10	1.33E-07	2.94E-08	1.36E-13	4.12E-13	3.25E-13	1.04E-14	2.5E-13	1.38E-14	2.74238E-13	4.421E-10	1.3308E-07	2.94164E-08	1.39528E-13	4.18583E-14	6.96427E-14	6.96427E-15
188	571190.6	4178119	0.55, 41781	0.76806	0.70549	0.46182	260.36357	120.74038	479.78233	32.90288	24.49294	68.54033	4.76E-10	1.21E-07	2.57E-08	1.47E-13	4.43E-13	3.5E-13	1.11E-14	2.69E-13	1.49E-14	2.95225E-13	4.759E-10	1.2084E-07	2.56873E-08	1.50205E-13	4.50616E-14	7.49722E-14	7.49722E-15
189	571230.6	4178119	0.55, 41781	0.88147	0.74364	0.51839	250.38438	100.21062	435.42985	31.29805	22.32262	54.42873	5.09E-10	1.05E-07	2.36E-08	1.57E-13	4.74E-13	3.74E-13	1.19E-14	2.88E-13	1.59E-14	3.1551E-13	5.086E-10	1.0535E-07	2.35926E-08	1.60526E-13	4.81578E-14	8.01236E-14	8.01236E-15
190	571270.6	4178119	0.55, 41781	0.94057	0.75526	0.59724	235.31349	80.57107	462.41399	29.41419	18.81416	57.80175	5.25E-10	9.56E-08	2.27E-08	1.62E-13	4.89E-13	3.86E-13	1.23E-14	2.97E-13	1.64E-14	3.25629E-13	5.249E-10	9.5606E-08	2.26923E-08	1.65674E-13	4.97023E-14	8.26934E-14	8.26934E-15
191	571310.6	4178119	0.55, 41781	0.94266	0.74202	0.72716	211.76846	71.48368	401.12341	26.47106	15.9259	50.14043	5.28E-10	8.43E-08	2.03E-08	1.63E-13	4.92E-13	3.88E-13	1.24E-14	2.99E-13	1.65E-14	3.27449E-13	5.279E-10	8.4296E-08	2.0275E-08	1.666E-13	4.99801E-14	8.31556E-14	8.31556E-15
192	571350.6	4178119	0.55, 41781	0.90909	0.71255	0.85266	184.59351	57.17412	286.57244	23.07419	14.42847	35.82155	5.19E-10	6.57E-08	1.71E-08	1.6E-13	4.84E-13	3.82E-13	1.22E-14	2.94E-13	1.62E-14	3.2208E-13	5.192E-10	6.5695E-08	1.70569E-08	1.63869E-13	4.91607E-14	8.17922E-14	8.17922E-15
193	571390.6	4178119	0.55, 41781	0.85308	0.67145	0.90336	182.88204	42.90716	275.98695	22.86025	12.27464	34.49837	4.97E-10	5.68E-08	1.68E-08	1.53E-13	4.63E-13	3.66E-13	1.16E-14	2.81E-13	1.55E-14	3.08207E-13	4.968E-10	5.6838E-08	1.68213E-08	1.56811E-13	4.70432E-14	7.82692E-14	7.82692E-15
194	571430.6	4178119	0.55, 41781	0.78	0.62166	0.86624	169.0522	41.64549	252.50347	21.13153	11.39175	31.56293	4.62E-10	5.34E-08	1.55E-08	1.42E-13	4.3E-13	3.4E-13	1.08E-14	2.61E-13	1.44E-14	2.8642E-13	4.617E-10	5.3437E-08	1.55237E-08	1.45726E-13	4.37177E-14	7.27363E-14	7.27363E-15
195	571470.6	4178119	0.55, 41781	0.69763	0.567	0.77646	144.82238	43.55007	199.26025	18.1028	10.0864	24.90753	4.19E-10	4.88E-08	1.31E-08	1.29E-13	3.91E-13	3.09E-13	9.82E-15	2.37E-13	1.31E-14	2.60041E-13	4.192E-10	4.8817E-08	1.31321E-08	1.32305E-13	3.96914E-14	6.60374E-14	6.60374E-15
196	571510.6	4178119	0.55, 41781	0.61632	0.51188	0.67545	129.07456	44.20691	173.84445	16.93315	8.5721	21.73056	3.76E-10	4.62E-08	1.22E-08	1.16E-13	3.5E-13	2.76E-13	8.8E-15	2.12E-13	1.17E-14	2.33001E-13	3.756E-10	4.6211E-08	1.21611E-08	1.18547E-13	3.5564E-14	5.91704E-14	5.91704E-15
197	571550.6	4178119	0.55, 41781	0.53701	0.45659	0.57828	116.13448	43.6354	149.52645	16.99831	7.6971	20.20244	3.32E-10	4.32E-08	1.21E-08	1.03E-13	3.1E-13	2.45E-13	7.78E-15	1.88E-13	1.04E-14	2.06165E-13	3.323E-10	4.3183E-08	1.20819E-08	1.04893E-13	3.1468E-14	5.23556E-14	5.23556E-15
198	571590.6	4178119	0.55, 41781	0.46599	0.40463	0.49394	103.06511	42.01095	133.93422	16.60125	6.75955	20.50745	2.92E-10	4.02E-08	1.19E-08	9.02E-14	2.72E-13	2.15E-13	6.85E-15	1.65E-13	9.13E-15	1.8142E-13	2.925E-10	4.0245E-08	1.18604E-08	9.23036E-14	2.76911E-14	4.60717E-14	4.60717E-15
199	570310.6	4178159	0.55, 41781	0.10452	0.07557	0.10002	83.14681	27.07322	89.45551	10.39335	4.47805	11.18194	5.63E-11	2.72E-08	7.3E-09	1.74E-14	5.25E-14	4.15E-14	1.32E-15	3.19E-14	1.76E-15	3.4938E-14	5.632E-11	2.7227E-08	7.29577E-09	1.77758E-14	5.33275E-15	8.87248E-15	8.87248E-16
200	570350.6	4178159	0.55, 41781	0.1156	0.08446	0.11071	83.51332	29.37807	93.62995	10.43917	4.89635	11.70374	6.28E-11	2.89E-08	7.36E-09	1.94E-14	5.85E-14	4.62E-14	1.47E-15	3.55E-14	1.96E-15	3.89487E-14	6.279E-11	2.8856E-08	7.36487E-09	1.98164E-14	5.94492E-15	9.89101E-15	9.89101E-16
201	570390.6	4178159	0.55, 41781	0.12828	0.09489	0.12282	85.72091	31.44775	90.10823	10.71511	5.24129	11.26353	7.03E-11	2.99E-08	7.5E-09	2.17E-14	6.55E-14	5.18E-14	1.65E-15	3.98E-14	2.2E-15	4.36209E-14	7.032E-11	2.9868E-08	7.50096E-09	2.21935E-14	6.65806E-15	1.10775E-14	1.10775E-15
202	570430.6	4178159	0.55, 41781	0.14269	0.1072	0.13639	94.53138	33.159	104.73347	11.81642	5.5265	13.09168	7.91E-11	3.25E-08	8.32E-09	2.44E-14	7.37E-14	5.82E-14	1.85E-15	4.48E-14	2.47E-15	4.90786E-14	7.912E-11	3.2513E-08	8.32432E-09	2.49703E-14	7.4911E-15	1.24635E-14	1.24635E-15
203	570470.6	4178159	0.55, 41781	0.15906	0.12183	0.15182	91.68652	34.69147	109.10852	11.46082	5.78191	13.63857	8.95E-11	3.35E-08	8.15E-09	2.76E-14	8.34E-14	6.58E-14	2.1E-15	5.06E-14	2.79E-15	5.55017E-14	8.947E-11	3.3528E-08	8.14736E-09	2.82383E-14	8.4715E-15	1.40947E-14	1.40947E-15
204	570510.6	4178159	0.55, 41781	0.17738	0.13933	0.16931	103.8828	36.49731	110.76271	12.98535	6.04456	13.84534	1.02E-10	3.54E-08	9.11E-09	3.14E-14	9.48E-14	7.49E-14	2.38E-15	5.75E-14	3.18E-15	6.30891E-14	1.017E-10	3.5423E-08	9.10548E-09	3.20987E-14	9.6296E-15	1.60215E-14	1.60215E-15
205	570550.6	4178159	0.55, 41781	0.19733	0.16029	0.18927	106.21161	38.46337	121.82569	13.27645	6.62676	15.22821	1.16E-10	3.75E-08	9.39E-09	3.58E-14	1.08E-13	8.55E-14	2.72E-15	6.57E-14	3.63E-15	7.20515E-14	1.161E-10	3.7525E-08	9.39344E-09	3.66585E-14	1.09976E-14	1.82975E-14	1.82975E-15
206	570590.6	4178159	0.55, 41781	0.21794	0.18524	0.21062	115.65264	40.48441	129.80552	14.45658	7.37316	16.22569	1.33E-10	3.99E-08	1.02E-08	4.1E-14	1.24E-13	9.79E-14	3.11E-15	7.52E-14	4.15E-15	8.24813E-14	1.33E-10	3.9861E-08	1.02006E-08	4.19651E-14	1.25895E-14	2.09461E-14	2.09461E-15
207	570630.6	4178159	0.55, 41781	0.23707	0.21436	0.23118	118.44365	42.79741	144.28442	14.80546	8.08317	18.03555	1.52E-10	4.25E-08	1.06E-08	4.69E-14	1.42E-13	1.12E-13	3.56E-15	8.59E-14	4.74E-15	9.4252E-14	1.519E-10	4.2452E-08	1.05576E-08	4.79538E-14	1.43861E-14	2.39353E-14	2.39353E-15
208	570670.6	4178159	0.55, 41781	0.25383	0.24795	0.24882	124.95922	45.84094	144.90734	15.6199	8.90031	18.11342	1.73E-10	4.46E-08	1.11E-08	5.34E-14	1.61E-13	1.27E-13	4.05E-15	9.79E-14	5.4E-15	1.07329E-13	1.73E-10	4.4599E-08	1.10669E-08	5.46072E-14	1.63821E-14	2.72562E-14	2.72562E-15
209	570710.6	4178159	0.55, 41781	0.27135	0.28697	0.26135	131.25248	49.29697	162.49426	17.47805	10.6966	20.31178	1.97E-10	4.83E-08	1.24E-08	6.07E-14	1.83E-13	1.45E-13	4.61E-15	1.11E-13	6.14E-15	1.22058E-13	1.968E-10	4.8286E-08	1.23868E-08	6.21012E-14	1.86303E-14	3.09967E-14	3.09967E-15
210	570750.6	4178159	0.55, 41781	0.29528	0.33222	0.27619	146.48828	52.90094	155.94977	21.86848	12.23914	22.93785	2.25E-10	5.07E-08	1.53E-08	6.93E-14	2.09E-13	1.65E-13	5.26E-15	1.27E-13	7.01E-15	1.39294E-13	2.245E-10	5.0729E-08	1.53048E-08	7.08706E-14	2.12612E-14	3.53738E-14	3.53738E-15
211	570790.6	4178159	0.55, 41781	0.33253	0.38536	0.30655	168.4296	63.37031	207.44804	22.18934	13.75991	31.3643	2.59E-10	6.19E-08	1.62E-08	7.98E-14	2.41E-13	1.9E-13	6.06E-15	1.46E-13	8.08E-15	1.60518E-13	2.588E-10	6.194E-08	1.61617E-08	8.16688E-14	2.45006E-14	4.07635E-14	4.07635E-15
212	570830.6	4178159	0.55, 41781	0.39122	0.44987	0.34708	226.40986	70.88867	244.94075	28.30123	15.58224	30.61759	3.01E-10	7.27E-08	1.99E-08	9.3E-14	2.81E-13	2.22E-13	7.06E-15	1.71E-13	9.41E-15	1.86983E-13	3.014E-10	7.2672E-08	1.98797E-08	9.51338E-14	2.85401E-14	4.74843E-14	4.74843E-15
213	570870.6	4178159	0.55, 41781	0.48272	0.53035	0.408	262.06298	76.1106	293.39264	32.75787	17.58972	36.67408	3.57E-10	8.16E-08	2.31E-08	1.1E-13	3.32E-13	2.62E-13	8.35E-15	2.02E-13	1.11E-14	2.21211E-13	3.566E-10	8.1589E-08	2.31067E-08	1.12549E-13	3.37646E-14	5.61766E-14	5.61766E-15
214	570910.6	4178159	0.55, 41781	0.61652	0.63133	0.50366	261.24493	84.17228	335.42472	32.65562	20.33398	41.92809	4.29E-10	8.93E-08	2.35E-08	1.32E-13	3.99E-13	3.15E-13	1E-14	2.42E-13	1.34E-14	2.65827E-13	4.285E-10	8.93E-08	2.34543E-08	1.35248E-13	4.05745E-14	6.75068E-14	6.75068E-15
215	570950.6	4178159	0.55, 41781	0.78722	0.75662	0.63069	286.12528	93.97029	373.71712	38.09436	25.30252	46.71464	5.19E-10	9.93E-08	2.72E-08	1.6E-13	4.83E-13	3.82E-13	1.21E-14	2.93E-13	1.62E-14	3.21771E-13	5.187E-10	9.9291E-08	2.71888E-08	1.63711E-13	4.91134E-14	8.17135E-14	8.17135E-15
216	570990.6	4178159	0.55, 41781	0.95557	0.89576	0.74297	303.7283	113.02353	445.40224	49.39935	30.83627	55.67528	6.15E-10	1.17E-07	3.49E-08	1.9E-13	5.73E-13	4.53E-13	1.44E-14	3.48E-13	1.92E-14	3.81678E-13	6.153E-10	1.1658E-07	3.48742E-08	1.94191E-13	5.82574E-14	9.69271E-14	9.69271E-15
217	571030.6	4178159	0.55, 41781	1.0701	1.00768	0.7637	365.27865	135.92516	512.48146	63.89384	29.33742	70.31034	6.86E-10	1.38E-07	4.5E-08	2.12E-13	6.39E-13	5.05E-13	1.61E-14	3.88E-13	2.14E-14	4.25682E-13	6.862E-10	1.3839E-07	4.49739E-08	2.1658E-13	6.49739E-14	1.08102E-13	1.08102E-14
218	571070.6	4178159	0.55, 41781	1.06935	1.07923	0.71312	382.13438	155.20031	662.82772	54.74849	37.25068	94.68967	7.22E-10	1.62E-07	4.12E-08	2.23E-13	6.73E-13	5.31E-13	1.69E-14	4.08E-13	2.25E-14	4.47849E-13	7.219E-10	1.619E-07	4.1229E-08	2.27858E-13	6.83573E-14	1.13731E-13	1.13731E-14
219	571110.6	4178159	0.55, 41781	1.19831	1.16386	0.6846	373.85472	174.62021	736.75515	53.40782	39.37776	93.09067	7.75E-10	1.78E-07	4.03E-08	2.39E-13	7.22E-13	5.7E-13	1.81E-14	4.38E-13	2.42E-14	4.80623E-13	7.748E-10	1.7794E-07	4.02757E-08	2.44532E-13	7.33597E-14	1.22054E-13	1.22054E-14
220	571150.6	4178159	0.55, 41781	1.53671	1.26322	0.72724	331.2731	149.81574	693.97089	50.26616	34.67292	96.78528	8.54E-10	1.58E-07	3.86E-08	2.64E-13	7.96E-13	6.29E-13	2E-14	4.83E-13	2.67E-14	5.30047E-13	8.545E-10	1.5816E-07	3.86234E-08	2.69679E-13	8.09036E-14	1.34605E-13	1.34605E-14
221	571190.6	4178159	0.55, 41781	1.71324	1.27647	0.80447	303.51531	125.05743	565.89383	43.45807	29.97586	80.84198	8.79E-10	1.33E-07	3.32E-08	2.71E-13	8.19E-13	6.47E-13	2.06E-14	4.97E-13	2.74E-14	5.45204E-13	8.789E-10	1.3266E-07	3.31706E-08	2.7739E-13	8.32171E-14	1.38454E-13	1.38454E-14
222	571230.6	4178159	0.55, 41781	1.67997	1.21931	0.99011	277.00255	96.22407	622.39581	36.53844	24.95569	77.79948	8.6E-10	1.19E-07	2.87E-08	2.65E-13	8.01E-13	6.33E-13	2.01E-14	4.86E-13	2.68E-14	5.33224E-13	8.596E-10	1.1941E-07	2.86574E-08	2.71295E-13	8.13886E-14	1.35412E-13	1.35412E-14
223	571270.6	4178159	0.55, 41781	1.56347	1.13234	1.265	251.98402	83.18585	536.39129	31.498	20.71301	67.04891	8.25E-10	1.04E-07	2.47E-08	2.55E-13	7.69E-13	6.08E-13	1.93E-14	4.67E-13	2.58E-14	5.12074E-13	8.255E-10	1.0388E-07	2.47027E-08	2.60535E-13	7.81604E-14	1.30041E-13	1.30041E-14
224	571310.6	4178159	0.55, 41781	1.42012	1.03692	1.45126	223.09845	65.85457	360.16353	27.88731	18.21453	45.02044	7.78E-10	7.87E-08	2.07E-08	2.4E-13	7.25E-13	5.73E-13	1.82E-14	4.4E-13	2.43E-14	4.82674E-13	7.781E-10	7.8676E-08	2.07498E-08	2.45576E-13	7.36729E-14	1.22575E-13	1.22575E-14
225	571350.6	4178159	0.55, 41781	1.26306	0.93714	1.42084	212.7442	53.05659	355.96566	26.59303	15.01468	44.49571	7.1E-10	7.06E-08	1.99E-08	2.19E-13	6.62E-13	5.23E-13	1.66E-14	4.02E-13	2.22E-14	4.40733E-13	7.105E-10	7.0594E-08	1.99091E-08	2.24237E-13	6.72712E-14	1.11924E-13	1.11924E-14
226	571390.6	4178159	0.55, 41781	1.10199	0.83709	1.24864	185.92823	54.01949	274.01244	23.24103	13.29114	34.25155	6.31E-10	6.3E-08	1.7E-08	1.95E-13	5.88E-13	4.65E-13	1.48E-14	3.57E-13	1.97E-14	3.91668E-13	6.314E-10	6.3045E-08	1.70372E-08	1.99274E-13	5.97822E-14	9.9464E-14	9.9464E-15
227	571430.6	4178159	0.55, 41781	0.9418	0.73869	1.04204	159.26436	53.60229	222.79179	21.61583	11.2268	27.84897	5.51E-10	5.71E-08	1.55E-08	1.7E-13	5.13E-13	4.05E-13	1.29E-14	3.11E-13	1.72E-14	3.41537E-13	5.506E-10	5.7142E-08	1.55326E-08	1.73768E-13	5.21305E-14	8.67333E-14	8.67333E-15
228	571470.6	4178159	0.55, 41781	0.79447	0.64516	0.85663	139.92539	51.85557	187.30754	21.06215	9.90602	27.91527	4.75E-10	5.22E-08	1.52E-08	1.47E-13	4.42E-13	3.5E-13	1.11E-14	2.69E-13	1.48E-14	2.94611E-13	4.749E-10	5.2189E-08	1.51957E-08	1.49893E-13	4.49679E-14	7.48164E-14	7.48164E-15
229	571510.6	4178159	0.55, 41781	0.67282	0.56206	0.7111	120.25585	49.92459	159.61818	19.96311	8.50885	26.60303	4.1E-10	4.77E-08	1.44E-08	1.26E-13	3.82E-13	3.02E-13	9.6E-15	2.32E-13	1.28E-14	2.54208E-13	4.098E-10	4.7722E-08	1.44141E-08	1.29336E-13	3.88009E-14	6.4556E-14	6.4556E-15
230	571550.6	4178159	0.55, 41781	0.57423	0.48972	0.59807	110.64777	47.57404	144.95635	18.4413	7.31081	24.15939	3.55E-10	4.47E-08	1.33E-08	1.09E-13	3.3E-13	2.61E-13	8.3E-15	2.01E-13	1.11E-14	2.19982E-13	3.546E-10	4.467E-08	1.32828E-08	1.11923E-13	3.35768E-14	5.58643E-14	5.58643E-15
231	571590.6	4178159	0.55, 41781	0.49292	0.42713	0.50772	100.4908	44.5532	128.72625	16.74847	6.44552	21.45437	3.08E-10	4.11E-08	1.2E-08	9.5E-14	2.87E-13	2.26E-13	7.21E-15	1.74E-13	9.61E-15	1.90884E-13	3.077E-10	4.1088E-08	1.20254E-08	9.71187E-14	2.91356E-14	4.8475E-14	4.8475E-15
232	570310.6	4178199	0.55, 41781	0.10691	0.07648	0.10208	81.28791	24.55019	79.664	10.16099	3.94128	9.958	5.71E-11	2.49E-08	7.06E-09	1.76E-14	5.32E-14	4.21E-14	1.34E-15	3.23E-14	1.78E-15	3.54441E-14	5.714E-11	2.4944E-08	7.05653E-09	1.80333E-14	5.41E-15	9.00101E-15	9.00101E-16
233	570350.6	4178199	0.55, 41781	0.11881	0.08587	0.11329	92.41038	27.80697	96.15133	11.5513	4.55912	12.01892	6.4E-11	2.87E-08	8.08E-09	1.97E-14	5.96E-14	4.71E-14	1.5E-15	3.62E-14	2E-15	3.9684E-14	6.397E-11	2.8737E-08	8.07666E-09	2.01906E-14	6.05717E-15	1.00778E-14	1.00778E-15
234	570390.6	4178199	0.55, 41781	0.13286	0.09703	0.12666	98.9418	30.67703	108.4605	12.36772	5.11284	13.55756	7.21E-11	3.17E-08	8.7E-09	2.22E-14	6.72E-14	5.31E-14	1.69E-15	4.08E-14	2.25E-15	4.47219E-14	7.209E-11	3.1702E-08	8.70137E-09	2.27538E-14	6.82613E-15	1.13571E-14	1.13571E-15
235	570430.6	4178199	0.55, 41781	0.14935	0.11037	0.14231	98.24021	33.47488	112.67373	12.28003	5.57915	14.08422	8.18E-11	3.35E-08	8.69E-09	2.52E-14	7.62E-14	6.02E-14	1.91E-15	4.62E-14	2.55E-15	5.0716E-14	8.176E-11	3.3541E-08	8.68836E-09	2.58034E-14	7.74103E-15	1.28793E-14	1.28793E-15
236	570470.6	4178199	0.55, 41781	0.1686	0.12646	0.16043	107.25905	35.76824	115.05444	13.40738	5.96137	14.38181	9.33E-11	3.56E-08	9.41E-09	2.88E-14	8.69E-14	6.87E-14	2.19E-15	5.28E-14	2.91E-15	5.78843E-14	9.331E-11	3.5564E-08	9.40817E-09	2.94505E-14	8.83516E-15	1.46997E-14	1.46997E-15
237	570510.6	4178199	0.55, 41781	0.19081	0.14598	0.18108	111.923	37.71142	131.96286	13.99038	6.28524	16.49536	1.07E-10	3.83E-08	9.93E-09	3.31E-14	9.98E-14	7.89E-14	2.51E-15	6.06E-14	3.35E-15	6.64717E-14	1.072E-10	3.8257E-08	9.9336E-09	3.38197E-14	1.01459E-14	1.68805E-14	1.68805E-15
238	570550.6	4178199	0.55, 41781	0.21602	0.16987	0.20494	119.57772	40.00549	129.21029	14.94721	6.67621	16.15129	1.24E-10	3.98E-08	1.05E-08	3.82E-14	1.15E-13	9.12E-14	2.9E-15	7.01E-14	3.87E-15	7.68366E-14	1.239E-10	3.9794E-08	1.04979E-08	3.90931E-14	1.17279E-14	1.95126E-14	1.95126E-15
239	570590.6	4178199	0.55, 41781	0.24388	0.19917	0.2325	124.08345	42.52786	147.10165	15.51043	7.78928	18.38771	1.44E-10	4.29E-08	1.1E-08	4.44E-14	1.34E-13	1.06E-13	3.37E-15	8.15E-14	4.5E-15	8.93474E-14	1.44E-10	4.2875E-08	1.10207E-08	4.54584E-14	1.36375E-14	2.26897E-14	2.26897E-15
240	570630.6	4178199	0.55, 41781	0.27242	0.23473	0.26214	135.79301	45.13025	156.31523	16.97413	8.73982	19.5394	1.68E-10	4.58E-08	1.2E-08	5.18E-14	1.56E-13	1.24E-13	3.93E-15	9.5E-14	5.24E-15	1.04142E-13	1.679E-10	4.5773E-08	1.20151E-08	5.29856E-14	1.58957E-14	2.64468E-14	2.64468E-15
241	570670.6	4178199	0.55, 41781	0.29828	0.27729	0.29064	136.89517	48.04336	174.48935	17.44831	9.65486	21.81117	1.95E-10	4.89E-08	1.25E-08	6.03E-14	1.82E-13	1.44E-13	4.58E-15	1.11E-13	6.1E-15	1.21189E-13	1.954E-10	4.888E-08	1.24857E-08	6.16587E-14	1.84976E-14	3.07758E-14	3.07758E-15
242	570710.6	4178199	0.55, 41781	0.321	0.32818	0.31291	151.98197	52.23375	185.24815	19.68934	11.4382	23.15602	2.27E-10	5.3E-08	1.4E-08	7E-14	2.11E-13	1.67E-13	5.31E-15	1.28E-13	7.08E-15	1.40681E-13	2.268E-10	5.2992E-08	1.39754E-08	7.15761E-14	2.14728E-14	3.57259E-14	3.57259E-15
243	570750.6	4178199	0.55, 41781	0.34558	0.38955	0.32771	144.14265	57.26085	196.68908	22.53194	13.53855	24.58613	2.64E-10	5.62E-08	1.58E-08	8.13E-14	2.46E-13	1.94E-13	6.17E-15	1.49E-13	8.23E-15	1.63494E-13	2.636E-10	5.6188E-08	1.58436E-08	8.31828E-14	2.49548E-14	4.15192E-14	4.15192E-15
244	570790.6	4178199	0.55, 41781	0.38143	0.46429	0.35275	173.32889	66.95506	241.81218	25.57778	15.36352	36.58263	3.09E-10	6.69E-08	1.87E-08	9.54E-14	2.88E-13	2.28E-13	7.24E-15	1.75E-13	9.66E-15	1.91846E-13	3.093E-10	6.6924E-08	1.86633E-08	9.76079E-14	2.92824E-14	4.87192E-14	4.87192E-15
245	570830.6	4178199	0.55, 41781	0.44289	0.55991	0.39405	200.31972	78.9407	262.23048	28.47462	17.66262	37.4615	3.69E-10	7.69E-08	2.05E-08	1.14E-13	3.44E-13	2.72E-13	8.65E-15	2.09E-13	1.15E-14	2.29173E-13	3.694E-10	7.6864E-08	2.05218E-08	1.16599E-13	3.49798E-14	5.81984E-14	5.81984E-15
246	570870.6	4178199	0.55, 41781	0.55133	0.6879	0.45528	245.75399	83.68372	263.19795	34.28137	20.83884	36.18743	4.52E-10	8.24E-08	2.4E-08	1.4E-13	4.21E-13	3.33E-13	1.06E-14	2.56E-13	1.41E-14	2.8044E-13	4.521E-10	8.2415E-08	2.401E-08	1.42683E-13	4.2805E-14	7.12177E-14	7.12177E-15
247	570910.6	4178199	0.55, 41781	0.74216	0.86472	0.57468	353.61381	98.21675	387.24795	44.20173	24.01316	48.40599	5.72E-10	1.07E-07	3.11E-08	1.76E-13	5.33E-13	4.21E-13	1.34E-14	3.23E-13	1.78E-14	3.54546E-13	5.715E-10	1.0693E-07	3.10946E-08	1.80387E-13	5.41161E-14	9.00368E-14	9.00368E-15
248	570950.6	4178199	0.55, 41781	1.08517	1.1274	0.77671	376.11466	111.85514	479.74888	52.74149	29.33795	59.96861	7.55E-10	1.23E-07	3.73E-08	2.33E-13	7.03E-13	5.55E-13	1.77E-14	4.27E-13	2.36E-14	4.6814E-13	7.547E-10	1.2314E-07	3.72748E-08	2.38182E-13	7.14545E-14	1.18884E-13	1.18884E-14
249	570990.6	4178199	0.55, 41781	1.58976	1.56693	1.05873	410.19015	135.68135	559.12982	68.60008	44.06737	76.18548	1.05E-09	1.45E-07	4.83E-08	3.25E-13	9.8E-13	7.74E-13	2.46E-14	5.95E-13	3.29E-14	6.52804E-13	1.052E-09	1.4471E-07	4.8341E-08	3.32136E-13	9.96407E-14	1.65779E-13	1.65779E-14
250	571030.6	4178199	0.55, 41781	2.42958	2.27373	1.377	561.74649	191.25505	728.04918	107.05418	55.40677	100.45619	1.52E-09	1.98E-07	7.4E-08	4.7E-13	1.42E-12	1.12E-12	3.56E-14	8.61E-13	4.75E-14	9.44303E-13	1.522E-09	1.9825E-07	7.39976E-08	4.80445E-13	1.44134E-13	2.39805E-13	2.39805E-14
251	571070.6	4178199	0.55, 41781	3.58306	3.18041	1.39903	721.18769	259.71405	966.70756	139.44796	73.67892	146.94766	2.1E-09	2.65E-07	9.76E-08	6.48E-13	1.96E-12	1.55E-12	4.92E-14	1.19E-12	6.56E-14	1.30246E-12	2.1E-09	2.6489E-07	9.76468E-08	6.6267E-13	1.98801E-13	3.3076E-13	3.3076E-14
252	571110.6	4178199	0.55, 41781	5.26167	3.22788	1.2956	536.30163	206.72583	1199.13306	116.57539	57.94295	153.9862	2.22E-09	2.42E-07	8.41E-08	6.86E-13	2.07E-12	1.64E-12	5.21E-14	1.26E-12	6.94E-14	1.37892E-12	2.223E-09	2.4207E-07	8.40649E-08	7.01569E-13	2.10471E-13	3.50176E-13	3.50176E-14
253	571150.6	4178199	0.55, 41781	4.55265	2.7214	1.43074	406.82024	165.14744	1078.46551	75.27018	43.84452	138.95995	1.91E-09	2.01E-07	5.74E-08	5.89E-13	1.78E-12	1.4E-12	4.47E-14	1.08E-12	5.96E-14	1.18349E-12	1.908E-09	2.0146E-07	5.73692E-08	6.02138E-13	1.80641E-13	3.00546E-13	3.00546E-14
254	571190.6	4178199	0.55, 41781	3.6655	2.27193	1.9191	348.88414	129.45816	921.59929	55.11772	35.12171	118.18584	1.64E-09	1.66E-07	4.33E-08	5.06E-13	1.53E-12	1.21E-12	3.84E-14	9.28E-13	5.12E-14	1.01792E-12	1.641E-09	1.6575E-07	4.32938E-08	5.17898E-13	1.55369E-13	2.58499E-13	2.58499E-14
255	571230.6	4178199	0.55, 41781	2.99647	1.91661	2.63905	311.11499	100.77545	780.81724	44.29874	28.05958	97.60216	1.46E-09	1.36E-07	3.5E-08	4.5E-13	1.36E-12	1.07E-12	3.41E-14	8.25E-13	4.55E-14	9.04469E-13	1.458E-09	1.3646E-07	3.50002E-08	4.60178E-13	1.38053E-13	2.2969E-13	2.2969E-14
256	571270.6	4178199	0.55, 41781	2.48655	1.63354	2.7833	275.28639	78.6156	563.64868	36.03295	23.70769	70.45609	1.28E-09	1.05E-07	2.78E-08	3.95E-13	1.19E-12	9.42E-13	3E-14	7.24E-13	4E-14	7.94167E-13	1.28E-09	1.0493E-07	2.7771E-08	4.04059E-13	1.21218E-13	2.01679E-13	2.01679E-14
257	571310.6	4178199	0.55, 41781	2.04979	1.39182	2.36332	251.65063	69.80646	418.93362	31.45633	18.505	52.3667	1.09E-09	8.73E-08	2.35E-08	3.35E-13	1.01E-12	7.99E-13	2.54E-14	6.14E-13	3.39E-14	6.73588E-13	1.086E-09	8.7251E-08	2.35292E-08	3.4271E-13	1.02813E-13	1.71057E-13	1.71057E-14
258	571350.6	4178199	0.55, 41781	1.66907	1.18291	1.84305	207.71058	67.17721	304.96385	28.41822	15.5683	43.42728	9.05E-10	7.41E-08	2.1E-08	2.79E-13	8.44E-13	6.66E-13	2.12E-14	5.12E-13	2.83E-14	5.61622E-13	9.054E-10	7.4134E-08	2.09533E-08	2.85744E-13	8.57231E-14	1.42624E-13	1.42624E-14
259	571390.6	4178199	0.55, 41781	1.33874	0.99933	1.42084	175.53523	63.93291	243.3206	26.80029	13.20173	40.55343	7.5E-10	6.55E-08	1.97E-08	2.31E-13	6.99E-13	5.52E-13	1.76E-14	4.24E-13	2.34E-14	4.65093E-13	7.497E-10	6.5501E-08	1.9729E-08	2.36631E-13	7.09893E-14	1.1811E-13	1.1811E-14
260	571430.6	4178199	0.55, 41781	1.08215	0.84466	1.12094	146.49279	60.30749	207.71024	24.41546	11.02968	34.61837	6.24E-10	5.89E-08	1.78E-08	1.93E-13	5.82E-13	4.6E-13	1.46E-14	3.53E-13	1.95E-14	3.87314E-13	6.244E-10	5.8888E-08	1.77916E-08	1.97059E-13	5.91176E-14	9.83582E-14	9.83582E-15
261	571470.6	4178199	0.55, 41781	0.88511	0.71494	0.90372	129.54701	55.96987	172.11269	21.59117	9.33698	28.68545	5.23E-10	5.26E-08	1.56E-08	1.61E-13	4.87E-13	3.85E-13	1.22E-14	2.96E-13	1.63E-14	3.24449E-13	5.23E-10	5.2637E-08	1.55828E-08	1.65074E-13	4.95223E-14	8.23938E-14	8.23938E-15
262	571510.6	4178199	0.55, 41781	0.73336	0.60746	0.74181	112.64977	51.14316	142.69265	18.77496	8.40942	23.78211	4.41E-10	4.66E-08	1.35E-08	1.36E-13	4.11E-13	3.25E-13	1.03E-14	2.5E-13	1.38E-14	2.73685E-13	4.412E-10	4.66E-08	1.34594E-08	1.39246E-13	4.17739E-14	6.95023E-14	6.95023E-15
263	571550.6	4178199	0.55, 41781	0.6189	0.52125	0.62191	97.68282	46.08498	120.36205	16.28047	7.59304	20.06034	3.77E-10	4.11E-08	1.16E-08	1.16E-13	3.51E-13	2.77E-13	8.82E-15	2.13E-13	1.18E-14	2.33732E-13	3.768E-10	4.111E-08	1.16272E-08	1.18919E-13	3.56757E-14	5.93562E-14	5.93562E-15
264	571590.6	4178199	0.55, 41781	0.52714	0.45016	0.52751	84.87826	41.93857	102.67653	14.14638	6.8553	17.11275	3.24E-10	3.66E-08	1.01E-08	1E-13	3.02E-13	2.39E-13	7.59E-15	1.83E-13	1.01E-14	2.01105E-13	3.242E-10	3.6624E-08	1.00782E-08	1.02319E-13	3.06957E-14	5.10706E-14	5.10706E-15
265	570310.6	4178239	0.55, 41782	0.10871	0.07725	0.10419	69.36135	22.19632	77.30253	9.49069	3.20395	10.55794	5.78E-11	2.27E-08	6.69E-09	1.78E-14	5.39E-14	4.26E-14	1.35E-15	3.27E-14	1.81E-15	3.58815E-14	5.784E-11	2.2707E-08	6.68927E-09	1.82559E-14	5.47676E-15	9.11208E-15	9.11208E-16
266	570350.6	4178239	0.55, 41782	0.12097	0.08699	0.11543	80.24676	23.95533	77.73127	10.03084	3.79637	10.6184	6.49E-11	2.44E-08	7.03E-09	2E-14	6.05E-14	4.78E-14	1.52E-15	3.67E-14	2.03E-15	4.02574E-14	6.49E-11	2.4398E-08	7.02774E-09	2.04823E-14	6.14469E-15	1.02234E-14	1.02234E-15
267	570390.6	4178239	0.55, 41782	0.13576	0.09875	0.129	97.68381	28.15369	96.07123	12.21048	4.56788	12.0089	7.34E-11	2.93E-08	8.48E-09	2.27E-14	6.84E-14	5.4E-14	1.72E-15	4.15E-14	2.29E-15	4.55404E-14	7.341E-11	2.9253E-08	8.48316E-09	2.31702E-14	6.95106E-15	1.1565E-14	1.1565E-15
268	570430.6	4178239	0.55, 41782	0.15369	0.11303	0.14573	112.57412	32.01468	119.02369	14.07177	5.30028	14.87796	8.38E-11	3.41E-08	9.86E-09	2.59E-14	7.81E-14	6.17E-14	1.96E-15	4.74E-14	2.62E-15	5.19666E-14	8.377E-11	3.4123E-08	9.85746E-09	2.64397E-14	7.93191E-15	1.31969E-14	1.31969E-15
269	570470.6	4178239	0.55, 41782	0.17542	0.1305	0.16624	120.86213	35.6675	135.90431	15.10777	5.94458	16.98804	9.64E-11	3.8E-08	1.07E-08	2.98E-14	8.99E-14	7.1E-14	2.26E-15	5.46E-14	3.01E-15	5.98224E-14	9.644E-11	3.7989E-08	1.06625E-08	3.04366E-14	9.13098E-15	1.51919E-14	1.51919E-15
270	570510.6	4178239	0.55, 41782	0.20166	0.15208	0.19089	118.29832	38.86505	139.27939	14.78729	6.47751	17.40992	1.12E-10	3.99E-08	1.05E-08	3.46E-14	1.04E-13	8.24E-14	2.62E-15	6.34E-14	3.5E-15	6.94697E-14	1.12E-10	3.9868E-08	1.04975E-08	3.5345E-14	1.06035E-14	1.76418E-14	1.76418E-15
271	570550.6	4178239	0.55, 41782	0.23297	0.17899	0.21994	134.82021	41.51275	155.81716	16.85253	6.91879	19.47714	1.31E-10	4.37E-08	1.19E-08	4.05E-14	1.22E-13	9.65E-14	3.07E-15	7.42E-14	4.1E-15	8.13633E-14	1.312E-10	4.3664E-08	1.19351E-08	4.13962E-14	1.24189E-14	2.06622E-14	2.06622E-15
272	570590.6	4178239	0.55, 41782	0.26933	0.21289	0.25402	138.182	44.61865	161.93184	17.27275	7.89914	20.24148	1.55E-10	4.61E-08	1.23E-08	4.78E-14	1.44E-13	1.14E-13	3.63E-15	8.76E-14	4.84E-15	9.61046E-14	1.549E-10	4.6078E-08	1.22545E-08	4.88964E-14	1.46689E-14	2.44057E-14	2.44057E-15
273	570630.6	4178239	0.55, 41782	0.31001	0.25571	0.29378	151.57706	47.88426	180.12829	18.94713	9.37801	22.51604	1.84E-10	5.02E-08	1.35E-08	5.69E-14	1.72E-13	1.36E-13	4.32E-15	1.04E-13	5.76E-15	1.14362E-13	1.844E-10	5.0151E-08	1.34668E-08	5.81853E-14	1.74556E-14	2.90422E-14	2.90422E-15
274	570670.6	4178239	0.55, 41782	0.35129	0.30919	0.33746	163.01094	51.1286	193.67566	20.37637	10.66356	24.20946	2.2E-10	5.37E-08	1.45E-08	6.79E-14	2.05E-13	1.62E-13	5.15E-15	1.24E-13	6.87E-15	1.36505E-13	2.2E-10	5.3727E-08	1.44823E-08	6.94512E-14	2.08354E-14	3.46653E-14	3.46653E-15
275	570710.6	4178239	0.55, 41782	0.3879	0.37553	0.37852	161.77129	55.27243	215.9147	21.46966	11.91574	26.98934	2.62E-10	5.77E-08	1.54E-08	8.1E-14	2.44E-13	1.93E-13	6.14E-15	1.48E-13	8.19E-15	1.6277E-13	2.624E-10	5.7689E-08	1.53751E-08	8.28143E-14	2.48443E-14	4.13353E-14	4.13353E-15
276	570750.6	4178239	0.55, 41782	0.41955	0.45853	0.40652	185.09687	61.2613	243.75059	24.33831	15.0229	31.56234	3.13E-10	6.46E-08	1.75E-08	9.65E-14	2.91E-13	2.3E-13	7.32E-15	1.77E-13	9.76E-15	1.93948E-13	3.126E-10	6.4649E-08	1.7505E-08	9.86773E-14	2.96032E-14	4.9253E-14	4.9253E-15
277	570790.6	4178239	0.55, 41782	0.45531	0.56517	0.42739	195.76674	71.16962	229.68596	30.0466	17.67317	35.54387	3.76E-10	6.97E-08	2.13E-08	1.16E-13	3.5E-13	2.77E-13	8.8E-15	2.13E-13	1.17E-14	2.33084E-13	3.757E-10	6.9719E-08	2.13432E-08	1.18589E-13	3.55767E-14	5.91915E-14	5.91915E-15
278	570830.6	4178239	0.55, 41782	0.51729	0.70869	0.46924	186.14136	86.93814	313.42291	30.32646	20.0795	44.72862	4.63E-10	8.44E-08	2.22E-08	1.43E-13	4.31E-13	3.4E-13	1.08E-14	2.62E-13	1.44E-14	2.86959E-13	4.626E-10	8.442E-08	2.22341E-08	1.46E-13	4.37999E-14	7.28731E-14	7.28731E-15
279	570870.6	4178239	0.55, 41782	0.63421	0.91745	0.53024	225.98347	96.3139	311.28977	37.66391	24.81387	41.34654	5.91E-10	9.2E-08	2.65E-08	1.82E-13	5.5E-13	4.35E-13	1.38E-14	3.34E-13	1.84E-14	3.66368E-13	5.906E-10	9.1951E-08	2.65032E-08	1.86402E-13	5.59206E-14	9.30391E-14	9.30391E-15

280	570910.6	4178239	0.55, 41782	0.85302	1.23442	0.65693	293.13359	117.47886	326.7744	47.06613	30.6738	48.00957	7.9E-10	1.09E-07	3.28E-08	2.44E-13	7.36E-13	5.82E-13	1.85E-14	4.47E-13	2.47E-14	4.90193E-13	7.902E-10	1.0911E-07	3.28334E-08	2.49402E-13	7.48206E-14	1.24484E-13	1.24484E-14
281	570950.6	4178239	0.55, 41782	1.35023	1.79208	0.88884	455.80102	142.22416	478.03953	68.40553	39.86266	68.50221	1.15E-09	1.45E-07	4.76E-08	3.55E-13	1.07E-12	8.46E-13	2.69E-14	6.5E-13	3.59E-14	7.12836E-13	1.149E-09	1.4485E-07	4.76202E-08	3.62679E-13	1.08804E-13	1.81025E-13	1.81025E-14
282	570990.6	4178239	0.55, 41782	3.0182	3.06414	1.32054	885.93977	193.04223	771.54657	147.1874	58.20401	96.44332	1.99E-09	2.23E-07	9.85E-08	6.15E-13	1.86E-12	1.47E-12	4.67E-14	1.13E-12	6.23E-14	1.23669E-12	1.994E-09	2.2292E-07	9.84809E-08	6.29206E-13	1.88762E-13	3.14057E-13	3.14057E-14
283	571030.6	4178239	0.55, 41782	7.70332	4.46365	2.30139	679.65913	243.63294	1123.21669	144.28562	71.78775	156.8655	3.14E-09	2.66E-07	1.01E-07	9.69E-13	2.93E-12	2.31E-12	7.35E-14	1.78E-12	9.81E-14	1.94812E-12	3.14E-09	2.656E-07	1.01411E-07	9.9117E-13	2.97351E-13	4.94725E-13	4.94725E-14
284	571110.6	4178239	0.55, 41782	48.37684	13.76668	3.52906	1082.14109	288.2044	2417.61379	441.33003	115.9324	328.07057	1.09E-08	4.17E-07	2.98E-07	3.38E-12	1.02E-11	8.06E-12	2.56E-13	6.19E-12	3.42E-13	6.79032E-12	1.095E-08	4.167E-07	2.98327E-07	3.4548E-12	1.03644E-12	1.7244E-12	1.7244E-13
285	571150.6	4178239	0.55, 41782	14.38318	6.22649	4.84511	550.93904	192.81003	1871.63269	147.46183	59.89562	339.77194	4.74E-09	2.88E-07	1.18E-07	1.46E-12	4.41E-12	3.49E-12	1.11E-13	2.68E-12	1.48E-13	2.93788E-12	4.736E-09	2.8783E-07	1.17671E-07	1.49475E-12	4.48424E-13	7.46075E-13	7.46075E-14
286	571190.6	4178239	0.55, 41782	8.08563	4.10425	7.76231	423.01159	138.20819	1326.9025	88.76631	43.45879	203.98194	3.39E-09	2.07E-07	7.08E-08	1.05E-12	3.16E-12	2.5E-12	7.94E-14	1.92E-12	1.06E-13	2.10395E-12	3.392E-09	2.0693E-07	7.07908E-08	1.07045E-12	3.21136E-13	5.34297E-13	5.34297E-14
287	571230.6	4178239	0.55, 41782	5.48613	3.01374	6.36519	364.79857	99.98669	820.37732	64.1708	32.88659	114.5851	2.51E-09	1.42E-07	4.86E-08	7.76E-13	2.34E-12	1.85E-12	5.89E-14	1.42E-12	7.85E-14	1.55969E-12	2.514E-09	1.4247E-07	4.8606E-08	7.93542E-13	2.38063E-13	3.96082E-13	3.96082E-14
288	571270.6	4178239	0.55, 41782	3.91656	2.30583	4.21608	308.69657	91.16262	501.73471	42.97299	25.31404	83.35946	1.85E-09	1.09E-07	3.31E-08	5.72E-13	1.73E-12	1.37E-12	4.34E-14	1.05E-12	5.79E-14	1.15072E-12	1.855E-09	1.0915E-07	3.30677E-08	5.85465E-13	1.7564E-13	2.92224E-13	2.92224E-14
289	571310.6	4178239	0.55, 41782	2.81911	1.80691	2.86031	238.76095	82.99282	368.88984	36.57222	19.65898	61.48164	1.4E-09	8.99E-08	2.74E-08	4.33E-13	1.31E-12	1.03E-12	3.29E-14	7.94E-13	4.38E-14	8.70527E-13	1.403E-09	8.9855E-08	2.74027E-08	4.42909E-13	1.32873E-13	2.2107E-13	2.2107E-14
290	571350.6	4178239	0.55, 41782	2.07392	1.43877	2.07081	186.98174	75.01218	257.12826	31.16362	15.62493	42.85471	1.09E-09	7.34E-08	2.26E-08	3.37E-13	1.02E-12	8.03E-13	2.55E-14	6.17E-13	3.41E-14	6.76514E-13	1.091E-09	7.3449E-08	2.26048E-08	3.44198E-13	1.0326E-13	1.718E-13	1.718E-14
291	571390.6	4178239	0.55, 41782	1.57003	1.1589	1.56847	153.36435	67.14235	200.39228	25.56072	13.28221	31.13336	8.64E-10	6.25E-08	1.82E-08	2.67E-13	8.05E-13	6.36E-13	2.02E-14	4.89E-13	2.7E-14	5.36194E-13	8.644E-10	6.2541E-08	1.82268E-08	2.72806E-13	8.18419E-14	1.36166E-13	1.36166E-14
292	571430.6	4178239	0.55, 41782	1.23548	0.94866	1.2378	124.99719	59.46648	164.5542	20.83286	11.6734	24.18073	7.01E-10	5.37E-08	1.48E-08	2.16E-13	6.53E-13	5.16E-13	1.64E-14	3.96E-13	2.19E-14	4.34756E-13	7.008E-10	5.3703E-08	1.47621E-08	2.21196E-13	6.63588E-14	1.10406E-13	1.10406E-14
293	571470.6	4178239	0.55, 41782	0.99131	0.7845	0.9961	109.3041	54.21436	142.14876	17.2339	10.26711	19.9293	5.76E-10	4.81E-08	1.22E-08	1.78E-13	5.36E-13	4.24E-13	1.35E-14	3.26E-13	1.8E-14	3.57012E-13	5.755E-10	4.8054E-08	1.22061E-08	1.81641E-13	5.44924E-14	9.0663E-14	9.0663E-15
294	571510.6	4178239	0.55, 41782	0.81688	0.65976	0.82266	100.30585	50.40167	129.05875	14.55844	9.03737	16.96469	4.82E-10	4.44E-08	1.03E-08	1.49E-13	4.49E-13	3.55E-13	1.13E-14	2.73E-13	1.5E-14	2.98863E-13	4.818E-10	4.4351E-08	1.03213E-08	1.52056E-13	4.56168E-14	7.58961E-14	7.58961E-15
295	571550.6	4178239	0.55, 41782	0.68618	0.56281	0.69258	92.19218	46.80105	116.817	12.52836	7.96128	14.60636	4.1E-10	4.09E-08	8.88E-09	1.26E-13	3.82E-13	3.01E-13	9.59E-15	2.32E-13	1.28E-14	2.54086E-13	4.096E-10	4.0887E-08	8.88261E-09	1.29275E-13	3.87824E-14	6.45251E-14	6.45251E-15
296	571590.6	4178239	0.55, 41782	0.57854	0.48285	0.58537	84.94405	43.3686	105.85184	10.89629	7.01254	13.23148	3.5E-10	3.77E-08	7.77E-09	1.08E-13	3.26E-13	2.58E-13	8.2E-15	1.98E-13	1.09E-14	2.17166E-13	3.501E-10	3.767E-08	7.76673E-09	1.1049E-13	3.31471E-14	5.51493E-14	5.51493E-15
297	570310.6	4178279	0.55, 41782	0.11004	0.07807	0.10589	74.04292	22.79319	77.67346	10.17864	3.64675	10.70288	5.85E-11	2.34E-08	7.13E-09	1.81E-14	5.45E-14	4.31E-14	1.37E-15	3.31E-14	1.83E-15	3.6298E-14	5.851E-11	2.336E-08	7.12566E-09	1.84678E-14	5.54033E-15	9.21786E-15	9.21786E-16
298	570350.6	4178279	0.55, 41782	0.12249	0.08802	0.11726	80.9847	23.74961	88.18196	11.08549	3.81596	12.05595	6.57E-11	2.51E-08	7.79E-09	2.03E-14	6.12E-14	4.84E-14	1.54E-15	3.72E-14	2.05E-15	4.076E-14	6.571E-11	2.5146E-08	7.79174E-09	2.0738E-14	6.22139E-15	1.0351E-14	1.0351E-15
299	570390.6	4178279	0.55, 41782	0.13757	0.10016	0.13084	86.03589	24.80698	96.47388	11.74551	4.00404	13.13274	7.45E-11	2.67E-08	8.28E-09	2.3E-14	6.94E-14	5.48E-14	1.74E-15	4.21E-14	2.32E-15	4.61856E-14	7.445E-11	2.6698E-08	8.28372E-09	2.34984E-14	7.04953E-15	1.17288E-14	1.17288E-15
300	570430.6	4178279	0.55, 41782	0.15607	0.11514	0.14747	96.31741	27.84204	100.58043	12.03968	4.46456	13.6645	8.52E-11	2.93E-08	8.51E-09	2.63E-14	7.94E-14	6.27E-14	2E-15	4.82E-14	2.66E-15	5.28702E-14	8.523E-11	2.9347E-08	8.50704E-09	2.68994E-14	8.06983E-15	1.34264E-14	1.34264E-15
301	570470.6	4178279	0.55, 41782	0.17907	0.13378	0.16835	120.52086	33.01708	119.41006	15.06511	5.41696	14.92626	9.87E-11	3.52E-08	1.05E-08	3.04E-14	9.19E-14	7.26E-14	2.31E-15	5.58E-14	3.08E-15	6.11962E-14	9.865E-11	3.5206E-08	1.0475E-08	3.11356E-14	9.34067E-15	1.55408E-14	1.55408E-15
302	570510.6	4178279	0.55, 41782	0.20795	0.15724	0.19497	141.57577	37.85068	153.41811	17.69697	6.30845	19.17726	1.16E-10	4.19E-08	1.24E-08	3.57E-14	1.08E-13	8.51E-14	2.71E-15	6.54E-14	3.61E-15	7.16892E-14	1.156E-10	4.1866E-08	1.24334E-08	3.64742E-14	1.09423E-14	1.82054E-14	1.82054E-15
303	570550.6	4178279	0.55, 41782	0.24435	0.18714	0.22876	153.17347	42.50173	177.88461	19.14668	7.08362	22.23558	1.37E-10	4.71E-08	1.36E-08	4.23E-14	1.28E-13	1.01E-13	3.21E-15	7.75E-14	4.28E-15	8.504E-14	1.371E-10	4.7086E-08	1.35682E-08	4.32669E-14	1.29801E-14	2.15959E-14	2.15959E-15
304	570590.6	4178279	0.55, 41782	0.28993	0.22577	0.27077	157.86485	46.41285	177.78268	19.73311	7.73548	22.22284	1.65E-10	4.95E-08	1.39E-08	5.08E-14	1.53E-13	1.21E-13	3.86E-15	9.32E-14	5.14E-15	1.02153E-13	1.647E-10	4.9544E-08	1.39295E-08	5.19737E-14	1.55921E-14	2.59417E-14	2.59417E-15
305	570630.6	4178279	0.55, 41782	0.34541	0.27631	0.32199	169.89337	50.77009	212.69617	21.23667	9.57894	26.58702	2E-10	5.54E-08	1.52E-08	6.18E-14	1.87E-13	1.47E-13	4.69E-15	1.13E-13	6.25E-15	1.242E-13	2.002E-10	5.5445E-08	1.51997E-08	6.31906E-14	1.89572E-14	3.15405E-14	3.15405E-15
306	570670.6	4178279	0.55, 41782	0.40869	0.34273	0.38328	189.16159	55.36754	226.13934	23.6452	11.64813	28.26742	2.46E-10	6.03E-08	1.68E-08	7.59E-14	2.29E-13	1.81E-13	5.76E-15	1.39E-13	7.68E-15	1.52508E-13	2.458E-10	6.0254E-08	1.68192E-08	7.75932E-14	2.3278E-14	3.87292E-14	3.87292E-15
307	570710.6	4178279	0.55, 41782	0.47241	0.42944	0.45188	202.37611	59.97812	249.97635	25.29701	13.4468	31.24704	3.03E-10	6.55E-08	1.81E-08	9.36E-14	2.83E-13	2.23E-13	7.1E-15	1.72E-13	9.47E-15	1.88177E-13	3.033E-10	6.5504E-08	1.80727E-08	9.57411E-14	2.87223E-14	4.77874E-14	4.77874E-15
308	570750.6	4178279	0.55, 41782	0.52143	0.53099	0.51003	207.36077	66.44988	280.46815	28.38204	16.35494	35.05852	3.67E-10	7.18E-08	2.03E-08	1.13E-13	3.42E-13	2.7E-13	8.6E-15	2.08E-13	1.15E-14	2.27881E-13	3.674E-10	7.1793E-08	2.02768E-08	1.15942E-13	3.47826E-14	5.78704E-14	5.78704E-15
309	570790.6	4178279	0.55, 41782	0.56782	0.69623	0.54766	217.33897	75.80804	318.83899	33.24185	20.36018	42.96761	4.65E-10	8.06E-08	2.39E-08	1.43E-13	4.33E-13	3.42E-13	1.09E-14	2.63E-13	1.45E-14	2.88429E-13	4.65E-10	8.0613E-08	2.38977E-08	1.46748E-13	4.40243E-14	7.32465E-14	7.32465E-15
310	570830.6	4178279	0.55, 41782	0.62461	0.91706	0.58168	236.67869	94.57659	403.572	34.09074	24.90976	60.93237	5.94E-10	9.89E-08	2.58E-08	1.83E-13	5.53E-13	4.37E-13	1.39E-14	3.36E-13	1.85E-14	3.68356E-13	5.938E-10	9.8869E-08	2.58265E-08	1.87413E-13	5.62239E-14	9.35439E-14	9.35439E-15
311	570870.6	4178279	0.55, 41782	0.74364	1.27032	0.64347	232.57719	121.10786	430.4482	38.76287	29.17824	53.80602	8.02E-10	1.15E-07	2.82E-08	2.48E-13	7.47E-13	5.9E-13	1.88E-14	4.54E-13	2.51E-14	4.97665E-13	8.022E-10	1.1545E-07	2.81562E-08	2.53203E-13	7.59609E-14	1.26382E-13	1.26382E-14
312	570910.6	4178279	0.55, 41782	0.98087	1.94043	0.78377	289.58181	139.00222	423.1545	48.26363	45.30681	59.61258	1.2E-09	1.28E-07	3.45E-08	3.7E-13	1.12E-12	8.83E-13	2.81E-14	6.79E-13	3.75E-14	7.44518E-13	1.2E-09	1.2838E-07	3.44803E-08	3.78798E-13	1.13639E-13	1.8907E-13	1.8907E-14
313	570950.6	4178279	0.55, 41782	1.54705	3.33468	1.05206	380.89662	209.14004	464.4183	63.48277	60.99964	77.40305	2.03E-09	1.76E-07	4.53E-08	6.27E-13	1.89E-12	1.49E-12	4.76E-14	1.15E-12	6.34E-14	1.2598E-12	2.031E-09	1.7626E-07	4.52743E-08	6.40963E-13	1.92289E-13	3.19925E-13	3.19925E-14
314	571150.6	4178279	0.55, 41782	125.5821	15.27099	61.53709	2183.625	235.47088	4321.7852	1020.3296	115.3363	966.08792	2.11E-08	6.05E-07	7.06E-07	6.52E-12	1.97E-11	1.56E-11	4.95E-13	1.2E-11	6.6E-13	1.31165E-11	2.114E-08	6.0515E-07	7.05945E-07	6.67343E-12	2.00203E-12	3.33092E-12	3.33092E-13
315	571190.6	4178279	0.55, 41782	19.14498	7.50998	20.68123	704.1647	157.76938	1300.13062	186.41477	61.8786	262.75525	6.98E-09	2.33E-07	1.36E-07	2.16E-12	6.51E-12	5.14E-12	1.64E-13	3.95E-12	2.18E-13	4.33268E-12	6.984E-09	2.3328E-07	1.35719E-07	2.20439E-12	6.61317E-13	1.10028E-12	1.10028E-13
316	571230.6	4178279	0.55, 41782	9.41744	4.44398	9.68706	418.2482	120.63814	710.71948	87.01567	39.51148	138.35634	3.81E-09	1.49E-07	6.46E-08	1.18E-12	3.55E-12	2.81E-12	8.93E-14	2.16E-12	1.19E-13	2.36598E-12	3.814E-09	1.4871E-07	6.45792E-08	1.20377E-12	3.61131E-13	6.00841E-13	6.00841E-14
317	571270.6	4178279	0.55, 41782	5.33507	3.02277	5.65407	265.61255	99.06709	486.13138	58.88721	29.56115	89.94232	2.45E-09	1.1E-07	4.34E-08	7.57E-13	2.29E-12	1.81E-12	5.75E-14	1.39E-12	7.66E-14	1.52246E-12	2.454E-09	1.0963E-07	4.34151E-08	7.74599E-13	2.3238E-13	3.86627E-13	3.86627E-14
318	571310.6	4178279	0.55, 41782	3.44949	2.20529	3.73581	197.38222	83.78037	349.19747	42.40574	23.44903	62.97539	1.73E-09	8.62E-08	3.11E-08	5.35E-13	1.61E-12	1.28E-12	4.06E-14	9.8E-13	5.41E-14	1.07467E-12	1.732E-09	8.6166E-08	3.11238E-08	5.46776E-13	1.64033E-13	2.72913E-13	2.72913E-14
319	571350.6	4178279	0.55, 41782	2.42474	1.67304	2.63741	164.77993	74.08708	262.11907	31.82391	19.20475	45.98547	1.29E-09	7.19E-08	2.33E-08	3.97E-13	1.2E-12	9.47E-13	3.01E-14	7.28E-13	4.02E-14	7.98302E-13	1.287E-09	7.1937E-08	2.32575E-08	4.06162E-13	1.21849E-13	2.02729E-13	2.02729E-14
320	571390.6	4178279	0.55, 41782	1.80332	1.30805	1.94946	139.62437	66.18564	204.22507	24.75802	16.07748	34.84377	9.92E-10	6.15E-08	1.8E-08	3.06E-13	9.24E-13	7.3E-13	2.32E-14	5.61E-13	3.1E-14	6.151E-13	9.916E-10	6.1451E-08	1.80208E-08	3.12952E-13	9.38857E-14	1.56204E-13	1.56204E-14
321	571430.6	4178279	0.55, 41782	1.38872	1.04688	1.49158	120.07885	59.47148	164.54693	19.78612	13.66223	27.17412	7.85E-10	5.34E-08	1.43E-08	2.42E-13	7.31E-13	5.78E-13	1.84E-14	4.44E-13	2.45E-14	4.86842E-13	7.848E-10	5.3398E-08	1.43493E-08	2.47697E-13	7.43091E-14	1.23633E-13	1.23633E-14
322	571470.6	4178279	0.55, 41782	1.11171	0.86066	1.18684	104.95004	53.66694	136.91558	16.34545	11.81303	21.87493	6.4E-10	4.71E-08	1.18E-08	1.98E-13	5.97E-13	4.71E-13	1.5E-14	3.62E-13	2E-14	3.97168E-13	6.402E-10	4.7069E-08	1.18092E-08	2.02072E-13	6.06217E-14	1.00861E-13	1.00861E-14
323	571510.6	4178279	0.55, 41782	0.90331	0.71725	0.95952	92.95227	48.50847	116.77816	13.70064	10.27697	17.93941	5.3E-10	4.19E-08	9.87E-09	1.63E-13	4.94E-13	3.9E-13	1.24E-14	3E-13	1.65E-14	3.28657E-13	5.298E-10	4.188E-08	9.86746E-09	1.67215E-13	5.01645E-14	8.34623E-14	8.34623E-15
324	571550.6	4178279	0.55, 41782	0.74685	0.60641	0.79002	83.35854	43.88956	102.16829	11.6678	9.00306	14.97338	4.45E-10	3.76E-08	8.38E-09	1.37E-13	4.15E-13	3.28E-13	1.04E-14	2.52E-13	1.39E-14	2.76185E-13	4.452E-10	3.7572E-08	8.37959E-09	1.40518E-13	4.21554E-14	7.0137E-14	7.0137E-15
325	571590.6	4178279	0.55, 41782	0.63093	0.52161	0.66513	75.57295	41.1264	91.05382	10.11638	7.96472	12.7323	3.81E-10	3.47E-08	7.25E-09	1.18E-13	3.55E-13	2.8E-13	8.93E-15	2.16E-13	1.19E-14	2.36419E-13	3.811E-10	3.4682E-08	7.24583E-09	1.20286E-13	3.60857E-14	6.00385E-14	6.00385E-15
326	570310.6	4178319	0.55, 41783	0.1112	0.07908	0.10686	65.67409	25.12162	71.57917	10.72274	3.92383	11.92986	5.92E-11	2.37E-08	7.56E-09	1.83E-14	5.52E-14	4.36E-14	1.39E-15	3.35E-14	1.85E-15	3.67379E-14	5.922E-11	2.3653E-08	7.55776E-09	1.86916E-14	5.60749E-15	9.32959E-15	9.32959E-16
327	570350.6	4178319	0.55, 41783	0.12381	0.08915	0.11863	72.99363	26.3644	78.028	10.96785	4.13077	12.26515	6.65E-11	2.53E-08	7.74E-09	2.05E-14	6.2E-14	4.9E-14	1.56E-15	3.76E-14	2.08E-15	4.12669E-14	6.652E-11	2.5305E-08	7.73541E-09	2.09959E-14	6.29876E-15	1.04797E-14	1.04797E-15
328	570390.6	4178319	0.55, 41783	0.13907	0.1015	0.13256	85.61577	27.73961	87.79758	11.84211	4.3586	12.34233	7.54E-11	2.76E-08	8.28E-09	2.33E-14	7.03E-14	5.55E-14	1.77E-15	4.27E-14	2.36E-15	4.67888E-14	7.542E-11	2.7622E-08	8.28162E-09	2.38053E-14	7.1416E-15	1.1882E-14	1.1882E-15
329	570430.6	4178319	0.55, 41783	0.15783	0.11689	0.14946	97.99246	29.27563	105.83642	13.47747	4.61214	14.5399	8.65E-11	3.07E-08	9.46E-09	2.67E-14	8.06E-14	6.36E-14	2.02E-15	4.89E-14	2.7E-15	5.36378E-14	8.647E-11	3.0659E-08	9.46383E-09	2.729E-14	8.187E-15	1.36213E-14	1.36213E-15
330	570470.6	4178319	0.55, 41783	0.18134	0.13633	0.17027	108.90086	31.01454	122.78	14.92794	4.89871	16.74752	1E-10	3.36E-08	1.05E-08	3.1E-14	9.35E-14	7.39E-14	2.35E-15	5.68E-14	3.13E-15	6.22558E-14	1.004E-10	3.3631E-08	1.05326E-08	3.16747E-14	9.50241E-15	1.58099E-14	1.58099E-15
331	570510.6	4178319	0.55, 41783	0.21129	0.16124	0.19656	118.40452	33.29424	135.32696	15.9306	5.40834	18.39398	1.18E-10	3.65E-08	1.13E-08	3.64E-14	1.1E-13	8.69E-14	2.77E-15	6.68E-14	3.69E-15	7.32738E-14	1.181E-10	3.6472E-08	1.12808E-08	3.72804E-14	1.11841E-14	1.86079E-14	1.86079E-15
332	570550.6	4178319	0.55, 41783	0.2503	0.19368	0.23096	153.9338	39.94632	153.89508	19.24172	6.62991	19.23689	1.41E-10	4.38E-08	1.34E-08	4.36E-14	1.32E-13	1.04E-13	3.31E-15	7.99E-14	4.41E-15	8.76305E-14	1.413E-10	4.384E-08	1.33925E-08	4.45849E-14	1.33755E-14	2.22537E-14	2.22537E-15
333	570590.6	4178319	0.55, 41783	0.30196	0.23671	0.27701	186.54438	46.61587	209.37606	23.31805	7.76931	26.17201	1.72E-10	5.39E-08	1.65E-08	5.31E-14	1.6E-13	1.27E-13	4.03E-15	9.73E-14	5.37E-15	1.06691E-13	1.72E-10	5.392E-08	1.64533E-08	5.42826E-14	1.62848E-14	2.70942E-14	2.70942E-15
334	570630.6	4178319	0.55, 41783	0.37105	0.29503	0.3391	205.0145	52.79857	247.59232	25.62681	8.79976	30.94904	2.14E-10	6.15E-08	1.83E-08	6.59E-14	1.99E-13	1.57E-13	5E-15	1.21E-13	6.67E-15	1.32473E-13	2.135E-10	6.1496E-08	1.82532E-08	6.73999E-14	2.022E-14	3.36414E-14	3.36414E-15
335	570670.6	4178319	0.55, 41783	0.462	0.37572	0.42024	218.45656	59.57781	273.51496	27.30707	11.98561	34.18937	2.7E-10	6.81E-08	1.95E-08	8.34E-14	2.52E-13	1.99E-13	6.33E-15	1.53E-13	8.44E-15	1.67733E-13	2.704E-10	6.8127E-08	1.95446E-08	8.53395E-14	2.56018E-14	4.25956E-14	4.25956E-15
336	570710.6	4178319	0.55, 41783	0.57218	0.48827	0.5224	242.44958	66.62286	291.17197	30.3062	15.15553	36.3965	3.48E-10	7.49E-08	2.16E-08	1.07E-13	3.24E-13	2.56E-13	8.14E-15	1.97E-13	1.09E-14	2.15733E-13	3.478E-10	7.492E-08	2.15702E-08	1.09761E-13	3.29284E-14	5.47854E-14	5.47854E-15
337	570750.6	4178319	0.55, 41783	0.67767	0.63416	0.63666	262.41203	72.71034	341.04886	32.8015	17.84948	42.63111	4.44E-10	8.34E-08	2.36E-08	1.37E-13	4.14E-13	3.27E-13	1.04E-14	2.51E-13	1.39E-14	2.75624E-13	4.443E-10	8.3448E-08	2.35994E-08	1.40233E-13	4.20698E-14	6.99946E-14	6.99946E-15
338	570790.6	4178319	0.55, 41783	0.76041	0.85502	0.73352	285.66779	86.45349	381.79277	42.9347	23.67926	50.68659	5.8E-10	9.57E-08	3.05E-08	1.79E-13	5.4E-13	4.27E-13	1.36E-14	3.28E-13	1.81E-14	3.59615E-13	5.797E-10	9.5719E-08	3.049E-08	1.82966E-13	5.48897E-14	9.13241E-14	9.13241E-15
339	570830.6	4178319	0.55, 41783	0.82107	1.23378	0.77266	302.59427	109.05103	424.78874	45.07728	29.79255	65.49858	7.97E-10	1.13E-07	3.3E-08	2.46E-13	7.42E-13	5.86E-13	1.87E-14	4.51E-13	2.49E-14	4.94345E-13	7.969E-10	1.1269E-07	3.29717E-08	2.51514E-13	7.54543E-14	1.25539E-13	1.25539E-14
340	570870.6	4178319	0.55, 41783	0.93174	1.8881	0.81484	263.71888	150.69846	583.61	37.23183	42.82711	79.94464	1.17E-09	1.46E-07	2.93E-08	3.61E-13	1.09E-12	8.61E-13	2.74E-14	6.62E-13	3.65E-14	7.26091E-13	1.17E-09	1.458E-07	2.92535E-08	3.69423E-13	1.10827E-13	1.84391E-13	1.84391E-14
341	570910.6	4178319	0.55, 41783	1.19482	3.5981	0.94641	225.26352	195.84246	582.08496	37.31993	59.22953	72.76062	2.15E-09	1.68E-07	2.87E-08	6.62E-13	2E-12	1.58E-12	5.03E-14	1.21E-12	6.7E-14	1.33176E-12	2.147E-09	1.6835E-07	2.87463E-08	6.77575E-13	2.03272E-13	3.38199E-13	3.38199E-14
342	571190.6	4178319	0.55, 41783	29.13102	9.74239	24.19825	1204.46355	192.40018	1781.17361	337.10397	86.14095	400.692	9.12E-09	3.21E-07	2.4E-07	2.82E-12	8.5E-12	6.71E-12	2.14E-13	5.16E-12	2.85E-13	5.65966E-12	9.124E-09	3.214E-07	2.39607E-07	2.87954E-12	8.63861E-13	1.43727E-12	1.43727E-13
343	571230.6	4178319	0.55, 41783	10.45163	5.25398	11.58574	479.33008	117.37647	725.29291	126.19986	44.06446	185.38424	4.48E-09	1.52E-07	9.25E-08	1.38E-12	4.17E-12	3.29E-12	1.05E-13	2.53E-12	1.4E-13	2.77721E-12	4.477E-09	1.5185E-07	9.24659E-08	1.413E-12	4.23899E-13	7.05272E-13	7.05272E-14
344	571270.6	4178319	0.55, 41783	5.72808	3.4301	6.64009	292.22118	96.9874	479.91721	63.79547	33.00222	105.59121	2.78E-09	1.1E-07	4.77E-08	8.59E-13	2.59E-12	2.05E-12	6.52E-14	1.57E-12	8.69E-14	1.72584E-12	2.782E-09	1.0965E-07	4.7671E-08	8.78076E-13	2.63423E-13	4.38276E-13	4.38276E-14
345	571310.6	4178319	0.55, 41783	3.67711	2.43151	4.23514	175.48484	83.52768	339.71763	43.52526	25.92364	69.01312	1.91E-09	8.39E-08	3.23E-08	5.9E-13	1.78E-12	1.41E-12	4.48E-14	1.08E-12	5.97E-14	1.18565E-12	1.911E-09	8.3915E-08	3.22875E-08	6.03237E-13	1.80971E-13	3.01095E-13	3.01095E-14
346	571350.6	4178319	0.55, 41783	2.57847	1.81872	2.91777	135.74456	73.58424	245.66728	31.86463	21.08438	47.561	1.4E-09	6.86E-08	2.34E-08	4.32E-13	1.3E-12	1.03E-12	3.28E-14	7.92E-13	4.37E-14	8.68046E-13	1.399E-09	6.8556E-08	2.34059E-08	4.41647E-13	1.32494E-13	2.2044E-13	2.2044E-14
347	571390.6	4178319	0.55, 41783	1.91038	1.41202	2.12389	114.67965	65.84745	189.40245	24.95277	17.54375	35.6451	1.07E-09	5.85E-08	1.82E-08	3.3E-13	9.97E-13	7.87E-13	2.5E-14	6.05E-13	3.34E-14	6.63528E-13	1.07E-09	5.8544E-08	1.82038E-08	3.37592E-13	1.01278E-13	1.68503E-13	1.68503E-14
348	571430.6	4178319	0.55, 41783	1.47151	1.12853	1.61377	100.57811	59.61061	161.57422	20.18585	14.84739	27.57311	8.45E-10	5.2E-08	1.46E-08	2.61E-13	7.87E-13	6.22E-13	1.98E-14	4.78E-13	2.64E-14	5.24107E-13	8.449E-10	5.2023E-08	1.46275E-08	2.66657E-13	7.9997E-14	1.33097E-13	1.33097E-14
349	571470.6	4178319	0.55, 41783	1.16585	0.92218	1.2649	90.09229	54.43044	139.38169	16.69193	12.71837	21.87498	6.84E-10	4.68E-08	1.2E-08	2.11E-13	6.37E-13	5.03E-13	1.6E-14	3.87E-13	2.14E-14	4.24246E-13	6.839E-10	4.6756E-08	1.20233E-08	2.15849E-13	6.47548E-14	1.07737E-13	1.07737E-14
350	571510.6	4178319	0.55, 41783	0.94595	0.76805	1.01773	81.52103	50.05282	121.69	14.06823	11.00608	17.76049	5.65E-10	4.24E-08	1.01E-08	1.74E-13	5.27E-13	4.16E-13	1.32E-14	3.2E-13	1.77E-14	3.50634E-13	5.652E-10	4.2406E-08	1.00806E-08	1.78396E-13	5.35189E-14	8.90434E-14	8.90434E-15
351	571550.6	4178319	0.55, 41783	0.78212	0.64956	0.83556	74.38547	46.28731	107.35752	12.02264	9.59923	14.66288	4.75E-10	3.87E-08	8.57E-09	1.47E-13	4.43E-13	3.5E-13	1.11E-14	2.69E-13	1.48E-14	2.94626E-13	4.749E-10	3.8749E-08	8.57456E-09	1.49901E-13	4.49702E-14	7.48202E-14	7.48202E-15
352	571590.6	4178319	0.55, 41783	0.65442	0.55508	0.69496	68.29245	42.98116	95.34122	10.3334	8.40789	12.26582	4.04E-10	3.56E-08	7.34E-09	1.25E-13	3.76E-13	2.97E-13	9.45E-15	2.28E-13	1.26E-14	2.50307E-13	4.035E-10	3.5592E-08	7.34346E-09	1.27352E-13	3.82055E-14	6.35653E-14	6.35653E-15
353	570310.6	4178359	0.55, 41783	0.11229	0.07993	0.10794	69.29068	26.58817	75.81746	11.54845	4.0095	12.46153	5.98E-11	2.5E-08	8.11E-09	1.85E-14	5.58E-14	4.4E-14	1.4E-15	3.39E-14	1.87E-15	3.71254E-14	5.985E-11	2.5025E-08	8.10949E-09	1.88888E-14	5.66663E-15	9.42799E-15	9.42799E-16
354	570350.6	4178359	0.55, 41783	0.12531	0.09043	0.1201	75.30937	28.06345	82.61098	12.55156	4.25756	13.7685	6.74E-11	2.68E-08	8.83E-09	2.08E-14	6.28E-14	4.96E-14	1.58E-15	3.82E-14	2.11E-15	4.18373E-14	6.744E-11	2.6752E-08	8.83145E-09	2.12861E-14	6.38583E-15	1.06246E-14	1.06246E-15
355	570390.6	4178359	0.55, 41783	0.14084	0.10296	0.13441	81.29058	29.71471	90.82388	13.54843	4.53386	15.13731	7.65E-11	2.87E-08	9.55E-09	2.36E-14	7.13E-14	5.63E-14	1.79E-15	4.33E-14	2.39E-15	4.74502E-14	7.649E-11	2.8685E-08	9.55438E-09	2.41418E-14	7.24255E-15	1.205E-14	1.205E-15
356	570430.6	4178359	0.55, 41783	0.15989	0.11858	0.15186	87.11605	31.54887	98.44842	14.51934	4.83992	16.40807	8.77E-11	3.07E-08	1.03E-08	2.71E-14	8.17E-14	6.46E-14	2.05E-15	4.96E-14	2.74E-15	5.44163E-14	8.772E-11	3.0664E-08	1.02536E-08	2.76861E-14	8.30582E-15	1.3819E-14	1.3819E-15
357	570470.6	4178359	0.55, 41783	0.18374	0.13844	0.17326	97.3598	33.59814	106.34308	15.36354	5.1813	17.51553	1.02E-10	3.31E-08	1.09E-08	3.14E-14	9.5E-14	7.5E-14	2.39E-15	5.77E-14	3.18E-15	6.32208E-14	1.019E-10	3.3059E-08	1.08618E-08	3.21657E-14	9.6497E-15	1.60549E-14	1.60549E-15
358	570510.6	4178359	0.55, 41783	0.21432	0.16421	0.20002	118.04415	35.93263	125.3205	16.48105	5.5698	18.1537	1.2E-10	3.71E-08	1.16E-08	3.71E-14	1.12E-13	8.85E-14	2.82E-15	6.8E-14	3.75E-15	7.45823E-14	1.202E-10	3.7133E-08	1.16021E-08	3.79462E-14	1.13839E-14	1.89401E-14	1.89401E-15
359	570550.6	4178359	0.55, 41783	0.25472	0.19842	0.23435	139.50155	38.63371	157.96544	19.4148	6.01971	21.81117	1.44E-10	4.25E-08	1.37E-08	4.46E-14	1.35E-13	1.06E-13	3.38E-15	8.17E-14	4.51E-15	8.95993E-14	1.444E-10	4.2526E-08	1.37007E-08	4.55866E-14	1.3676E-14	2.27537E-14	2.27537E-15
360	570590.6	4178359	0.55, 41783	0.30979	0.24497	0.28017	159.83108	41.83842	190.36526	22.23989	6.84975	26.13545	1.77E-10	4.81E-08	1.58E-08	5.47E-14	1.65E-13	1.3E-13	4.15E-15	1E-13	5.54E-15	1.09994E-13	1.773E-10	4.811E-08	1.57842E-08	5.59628E-14	1.67888E-14	2.79328E-14	2.79328E-15
361	570630.6	4178359	0.55, 41783	0.38734	0.31015	0.34391	206.43147	51.05257	211.21178	25.80393	8.50876	28.98998	2.23E-10	5.78E-08	1.82E-08	6.89E-14	2.08E-13	1.64E-13	5.23E-15	1.26E-13	6.97E-15	1.38547E-13	2.233E-10	5.7771E-08	1.82095E-08	7.04902E-14	2.1147E-14	3.51839E-14	3.51839E-15
362	570670.6	4178359	0.55, 41783	0.50063	0.40488	0.43681	262.98595	60.70684	312.78941	32.87324	10.74505	39.09868	2.9E-10	7.46E-08	2.34E-08	8.96E-14	2.7E-13	2.14E-13	6.8E-15	1.64E-13	9.06E-15	1.8008E-13	2.903E-10	7.4609E-08	2.33675E-08	9.16216E-14	2.74865E-14	4.57313E-14	4.57313E-15
363	570710.6	4178359	0.55, 41783	0.66972	0.54814	0.57453	304.17814	72.14807	380.66102	38.02227	15.71205	47.58263	3.91E-10	8.88E-08	2.72E-08	1.21E-13	3.64E-13	2.88E-13	9.16E-15	2.21E-13	1.22E-14	2.4267E-13	3.912E-10	8.8844E-08	2.72121E-08	1.23466E-13	3.70398E-14	6.16259E-14	6.16259E-15
364	570750.6	4178359	0.55, 41783	0.90523	0.76876	0.77041	339.35657	85.82023	445.46467	44.72327	21.31802	55.68308	5.44E-10	1.04E-07	3.2E-08	1.68E-13	5.07E-13	4E-13	1.27E-14	3.08E-13	1.7E-14	3.37306E-13	5.437E-10	1.037E-07	3.19857E-08	1.71615E-13	5.14846E-14	8.56587E-14	8.56587E-15
365	570790.6	4178359	0.55, 41783	1.13154	1.06104	0.98839	377.53193	96.31599	507.3356	54.94081	27.90141	63.41695	7.37E-10	1.17E-07	3.89E-08	2.28E-13	6.87E-13	5.43E-13	1.73E-14	4.17E-13	2.3E-14	4.57343E-13	7.373E-10	1.1675E-07	3.89033E-08	2.32688E-13	6.98065E-14	1.16142E-13	1.16142E-14
366	570830.6	4178359	0.55, 41783	1.33226	1.74963	1.18947	411.58405	139.14147	649.42864	69.46909	37.35577	97.59965	1.15E-09	1.54E-07	5.06E-08	3.54E-13	1.07E-12	8.45E-13	2.69E-14	6.49E-13	3.58E-14	7.12093E-13	1.148E-09	1.5377E-07	5.05518E-08	3.62301E-13	1.0869E-13	1.80836E-13	1.80836E-14
367	570870.6	4178359	0.55, 41783	1.45984	3.38436	1.19217	346.78431	184.49712	847.26971	52.43952	61.49528	124.03925	2.06E-09	1.9E-07	4.21E-08	6.37E-13	1.92E-12	1.52E-12	4.83E-14	1.17E-12	6.44E-14	1.28032E-12	2.064E-09	1.9037E-07	4.20966E-08	6.51406E-13	1.95422E-13	3.25138E-13	3.25138E-14
368	571150.6	4178359	0.55, 41783	17.36196	17.82412	10.70274	1537.79423	258.8776	2153.28101	350.34789	128.93656	372.67701	1.18E-08	4.08E-07	2.46E-07	3.65E-12	1.1E-11	8.7E-12	2.77E-13	6.69E-12	3.69E-13	7.33276E-12	1.182E-08	4.0825E-07	2.456E-07	3.73078E-12	1.11924E-12	1.86215E-12	1.86215E-13
369	571190.6	4178359	0.55, 41783	10.35157	8.16971	8.42586	590.93034	162.31709	1380.32388	161.82999	76.08872	218.22557	5.84E-09	2.35E-07	1.17E-07	1.8E-12	5.44E-12	4.3E-12	1.37E-13	3.31E-12	1.82E-13	3.62454E-12	5.843E-09	2.3499E-07	1.17048E-07	1.8441E-12	5.53231E-13	9.20452E-13	9.20452E-14
370	571230.6	4178359	0.55, 41783	6.41954	4.85697	6.11014	429.96716	118.18476	649.38165	103.83364	47.29307	136.54892	3.58E-09	1.43E-07	7.48E-08	1.1E-12	3.33E-12	2.63E-12	8.38E-14	2.02E-12	1.12E-13	2.21851E-12	3.576E-09	1.4328E-07	7.48291E-08	1.12874E-12	3.38621E-13	5.63389E-13	5.63389E-14
371	571270.6	4178359	0.55, 41783	4.24607	3.28764	4.46672	330.34534	97.41521	669.03521	71.25122	30.79427	101.30501	2.44E-09	1.27E-07	5.19E-08	7.53E-13	2.27E-12	1.8E-12	5.72E-14	1.38E-12	7.62E-14	1.51388E-12	2.44E-09	1.2705E-07	5.19426E-08	7.70235E-13	2.31071E-13	3.84449E-13	3.84449E-14
372	571310.6	4178359	0.55, 41783	3.01802	2.39332	3.29044	280.32399	84.30249	476.5001	47.38187	23.6076	69.83839	1.78E-09	1.02E-07	3.47E-08	5.48E-13	1.65E-12	1.31E-12	4.16E-14	1E-12	5.54E-14	1.10111E-12	1.775E-09	1.0159E-07	3.47348E-08	5.60228E-13	1.68068E-13	2.79628E-13	2.79628E-14
373	571350.6	4178359	0.55, 41783	2.25439	1.82521	2.47896	223.1696	75.03337	276.07803	32.74083	19.24184	47.29925	1.35E-09	7.72E-08	2.39E-08	4.16E-13	1.26E-12	9.92E-13	3.16E-14	7.63E-13	4.21E-14	8.36432E-13	1.348E-09	7.7205E-08	2.39268E-08	4.25562E-13	1.27669E-13	2.12412E-13	2.12412E-14
374	571390.6	4178359	0.55, 41783	1.7395	1.43625	1.90839	164.0034	68.00709	177.73654	25.39154	16.17569	38.72375	1.06E-09	6.19E-08	1.87E-08	3.26E-13	9.83E-13	7.77E-13	2.47E-14	5.97E-13	3.3E-14	6.54796E-13	1.056E-09	6.1916E-08	1.87156E-08	3.33149E-13	9.99447E-14	1.66285E-13	1.66285E-14
375	571430.6	4178359	0.55, 41783	1.37666	1.15767	1.50113	113.66708	62.41604	162.05892	21.33563	13.79366	30.03325	8.46E-10	5.44E-08	1.55E-08	2.61E-13	7.89E-13	6.23E-13	1.98E-14	4.79E-13	2.64E-14	5.25004E-13	8.463E-10	5.4438E-08	1.55302E-08	2.67113E-13	8.01339E-14	1.33325E-13	1.33325E-14
376	571470.6	4178359	0.55, 41783	1.11313	0.95193	1.20554	91.64258	57.80687	139.39839	17.74486	11.89568	22.85385	6.92E-10	4.87E-08	1.28E-08	2.14E-13	6.45E-13	5.1E-13	1.62E-14	3.92E-13	2.16E-14	4.29571E-13	6.925E-10	4.8729E-08	1.27504E-08	2.18559E-13	6.55676E-14	1.0909E-13	1.0909E-14
377	571510.6	4178359	0.55, 41783	0.9166	0.79605	0.98663	82.11168	53.90312	116.32041	14.64829	10.35284	20.08654	5.77E-10	4.42E-08	1.06E-08	1.78E-13	5.37E-13	4.24E-13	1.35E-14	3.26E-13	1.8E-14	3.57633E-13	5.765E-10	4.4162E-08	1.06208E-08	1.81957E-13	5.45872E-14	9.08208E-14	9.08208E-15
378	571550.6	4178359	0.55, 41783	0.76622	0.67498	0.82026	72.9064	50.52239	102.58687	12.13868	9.07968	17.28494	4.87E-10	4.06E-08	8.85E-09	1.5E-13	4.54E-13	3.58E-13	1.14E-14	2.75E-13	1.52E-14	3.02024E-13	4.869E-10	4.0635E-08	8.85122E-09	1.53665E-13	4.60994E-14	7.6699E-14	7.6699E-15
379	571590.6	4178359	0.55, 41783	0.64386	0.57575	0.68602	65.94968	47.48497	92.44167	10.99161	8.00686	15.40694	4.14E-10	3.77E-08	8E-09	1.28E-13	3.85E-13	3.04E-13	9.69E-15	2.34E-13	1.29E-14	2.56584E-13	4.136E-10	3.772E-08	7.99568E-09	1.30546E-13	3.91637E-14	6.51595E-14	6.51595E-15
380	570310.6	4178399	0.55, 41783	0.11287	0.08031	0.1093	71.34246	27.87564	79.43468	11.89041	3.82503	13.23911	6.02E-11	2.62E-08	8.38E-09	1.86E-14	5.61E-14	4.43E-14	1.41E-15	3.41E-14	1.88E-15	3.73448E-14	6.02E-11	2.6151E-08	8.38156E-09	1.90004E-14	5.70011E-15	9.48369E-15	9.48369E-16
381	570350.6	4178399	0.55, 41783	0.12665	0.09175	0.12214	75.96419	29.57043	83.22909	12.46202	4.12173	13.80548	6.84E-11	2.77E-08	8.78E-09	2.11E-14	6.37E-14	5.04E-14	1.6E-15	3.87E-14	2.14E-15	4.24429E-14	6.842E-11	2.7678E-08	8.77901E-09	2.15942E-14	6.47827E-15	1.07784E-14	1.07784E-15
382	570390.6	4178399	0.55, 41783	0.1425	0.10434	0.13672	83.29233	31.439	92.96873	13.04897	4.44958	14.404	7.75E-11	2.99E-08	9.19E-09	2.39E-14	7.22E-14	5.71E-14	1.82E-15	4.39E-14	2.42E-15	4.8102E-14	7.754E-11	2.9935E-08	9.18846E-09	2.44734E-14	7.34203E-15	1.22155E-14	1.22155E-15
383	570430.6	4178399	0.55, 41783	0.16211	0.12032	0.15453	91.32735	33.521	103.76057	14.59534	4.81492	15.65812	8.9E-11	3.24E-08	1.02E-08	2.75E-14	8.3E-14	6.55E-14	2.09E-15	5.04E-14	2.78E-15	5.52313E-14	8.903E-11	3.2437E-08	1.02419E-08	2.81007E-14	8.43022E-15	1.4026E-14	1.4026E-15
384	570470.6	4178399	0.55, 41783	0.18668	0.14051	0.17655	100.43451	35.89015	115.76296	16.57018	5.22899	18.35818	1.04E-10	3.53E-08	1.17E-08	3.19E-14	9.64E-14	7.62E-14	2.42E-15	5.86E-14	3.23E-15	6.42075E-14	1.035E-10	3.5261E-08	1.16732E-08	3.26677E-14	9.8003E-15	1.63055E-14	1.63055E-15
385	570510.6	4178399	0.55, 41783	0.21834	0.16684	0.20421	112.76596	38.62084	128.93318	18.79433	5.70408	21.48886	1.22E-10	3.86E-08	1.33E-08	3.77E-14	1.14E-13	9E-14	2.86E-15	6.92E-14	3.82E-15	7.58474E-14	1.223E-10	3.8578E-08	1.32921E-08	3.85898E-14	1.1577E-14	1.92614E-14	1.92614E-15
386	570550.6	4178399	0.55, 41783	0.26039	0.20212	0.2399	127.75395	41.82578	149.79254	21.29232	6.25899	24.96542	1.47E-10	4.29E-08	1.51E-08	4.54E-14	1.37E-13	1.08E-13	3.45E-15	8.33E-14	4.6E-15	9.1363E-14	1.473E-10	4.2925E-08	1.51073E-08	4.64839E-14	1.39452E-14	2.32016E-14	2.32016E-15
387	570590.6	4178399	0.55, 41783	0.3185	0.25095	0.28739	144.10526	45.67081	172.10131	24.01754	7.17597	28.68355	1.82E-10	4.78E-08	1.71E-08	5.61E-14	1.69E-13	1.34E-13	4.26E-15	1.03E-13	5.68E-15	1.12742E-13	1.817E-10	4.7827E-08	1.70818E-08	5.7361E-14	1.72083E-14	2.86307E-14	2.86307E-15
388	570630.6	4178399	0.55, 41783	0.40291	0.32135	0.35272	177.65061	50.39519	203.06539	27.05917	8.74903	32.05961	2.31E-10	5.5E-08	1.92E-08	7.14E-14	2.15E-13	1.7E-13	5.42E-15	1.31E-13	7.22E-15	1.43436E-13	2.312E-10	5.4969E-08	1.9225E-08	7.29779E-14	2.18934E-14	3.64256E-14	3.64256E-15
389	570670.6	4178399	0.55, 41783	0.53348	0.4284	0.44753	224.79663	56.41372	278.51402	32.60934	10.76331	39.25369	3.06E-10	6.72E-08	2.32E-08	9.45E-14	2.85E-13	2.25E-13	7.17E-15	1.73E-13	9.56E-15	1.89977E-13	3.062E-10	6.7157E-08	2.32166E-08	9.66568E-14	2.89971E-14	4.82445E-14	4.82445E-15
390	570710.6	4178399	0.55, 41783	0.75271	0.60288	0.59636	297.96202	70.92072	361.49768	41.13122	14.0152	50.83456	4.28E-10	8.63E-08	2.94E-08	1.32E-13	3.99E-13	3.15E-13	1E-14	2.42E-13	1.34E-14	2.65805E-13	4.285E-10	8.6276E-08	2.93873E-08	1.35237E-13	4.05711E-14	6.75011E-14	6.75011E-15
391	570750.6	4178399	0.55, 41783	1.15447	0.90762	0.85203	416.42427	90.04322	551.74774	52.05303	22.1169	68.96847	6.43E-10	1.19E-07	3.76E-08	1.98E-13	5.99E-13	4.73E-13	1.51E-14	3.64E-13	2.01E-14	3.98769E-13	6.428E-10	1.1917E-07	3.7553E-08	2.02887E-13	6.0866E-14	1.01267E-13	1.01267E-14
392	570790.6	4178399	0.55, 41783	1.70092	1.35462	1.23288	632.44551	121.09647	736.15706	79.05569	31.00919	92.01963	9.55E-10	1.64E-07	5.6E-08	2.95E-13	8.9E-13	7.03E-13	2.24E-14	5.4E-13	2.98E-14	5.92422E-13	9.55E-10	1.6434E-07	5.60389E-08	3.01414E-13	9.04243E-14	1.50446E-13	1.50446E-14
393	570830.6	4178399	0.55, 41783	3.46088	2.976	2.05541	854.46592	185.76652	929.26678	157.19416	64.23703	133.05669	2.03E-09	2.29E-07	1.08E-07	6.26E-13	1.89E-12	1.49E-12	4.75E-14	1.15E-12	6.34E-14	1.25913E-12	2.03E-09	2.2924E-07	1.07526E-07	6.40625E-13	1.92188E-13	3.19757E-13	3.19757E-14
394	571110.6	4178399	0.55, 41783	4.7766	17.70794	5.53677	386.44752	237.89657	1139.86397	91.74551	117.26543	182.49582	1.06E-08	2.45E-07	7.1E-08	3.26E-12	9.84E-12	7.78E-12	2.47E-13	5.98E-12	3.3E-13	6.55401E-12	1.057E-08	2.4538E-07	7.0952E-08	3.33457E-12	1.00037E-12	1.66439E-12	1.66439E-13
395	571150.6	4178399	0.55, 41783	4.75682	9.04164	4.75414	493.27775	194.83019	977.82769	91.47407	80.27894	179.74579	5.69E-09	2.15E-07	7.06E-08	1.76E-12	5.3E-12	4.19E-12	1.33E-13	3.22E-12	1.78E-13	3.52983E-12	5.69E-09	2.1548E-07	7.05693E-08	1.79592E-12	5.38775E-13	8.96399E-13	8.96399E-14
396	571190.6	4178399	0.55, 41783	4.13591	5.67532	3.9763	541.83424	159.29594	784.3481	82.25115	55.55038	130.43816	3.72E-09	1.84E-07	6.1E-08	1.15E-12	3.47E-12	2.74E-12	8.71E-14	2.11E-12	1.16E-13	2.30836E-12	3.721E-09	1.8366E-07	6.10164E-08	1.17445E-12	3.52336E-13	5.86207E-13	5.86207E-14
397	571230.6	4178399	0.55, 41783	3.34043	3.91116	3.41587	419.25179	113.41297	723.05548	67.92735	42.50701	103.29364	2.65E-09	1.46E-07	5E-08	8.17E-13	2.47E-12	1.95E-12	6.2E-14	1.5E-12	8.27E-14	1.64259E-12	2.648E-09	1.4572E-07	5.00443E-08	8.35719E-13	2.50716E-13	4.17134E-13	4.17134E-14
398	571270.6	4178399	0.55, 41783	2.69096	2.84934	2.72459	276.99568	96.24025	620.23738	46.4546	32.10306	94.16047	1.96E-09	1.19E-07	3.61E-08	6.06E-13	1.83E-12	1.45E-12	4.6E-14	1.11E-12	6.13E-14	1.21808E-12	1.964E-09	1.1925E-07	3.60632E-08	6.19739E-13	1.85922E-13	3.09332E-13	3.09332E-14
399	571310.6	4178399	0.55, 41783	2.15304	2.16763	2.23142	240.01182	84.08056	257.12386	39.08125	24.00367	52.53394	1.51E-09	8.18E-08	2.83E-08	4.67E-13	1.41E-12	1.11E-12	3.54E-14	8.56E-13	4.72E-14	9.38457E-13	1.513E-09	8.1801E-08	2.82535E-08	4.77471E-13	1.43241E-13	2.38321E-13	2.38321E-14
400	571350.6	4178399	0.55, 41783	1.74135	1.70512	1.85867	224.12525	73.73672	326.22415	31.06226	18.34101	44.13622	1.2E-09	8.05E-08	2.26E-08	3.71E-13	1.12E-12	8.84E-13	2.81E-14	6.79E-13	3.75E-14	7.4508E-13	1.201E-09	8.0465E-08	2.26424E-08	3.79084E-13	1.13725E-13	1.89213E-13	1.89213E-14
401	571390.6	4178399	0.55, 41783	1.43215	1.37481	1.54866	207.21833	64.01827	312.56807	26.21992	15.02288	39.07101	9.74E-10	7.29E-08	1.93E-08	3.01E-13	9.08E-13	7.17E-13	2.28E-14	5.51E-13	3.04E-14	6.04264E-13	9.741E-10	7.2943E-08	1.92545E-08	3.07439E-13	9.22317E-14	1.53453E-13	1.53453E-14
402	571430.6	4178399	0.55, 41783	1.19016	1.12906	1.29293	179.9524	59.14274	244.73255	22.49405	12.88734	30.59157	8.02E-10	6.32E-08	1.63E-08	2.48E-13	7.48E-13	5.91E-13	1.88E-14	4.54E-13	2.51E-14	4.97817E-13	8.025E-10	6.3228E-08	1.62896E-08	2.53281E-13	7.59842E-14	1.2642E-13	1.2642E-14
403	571470.6	4178399	0.55, 41783	0.9966	0.93995	1.08271	146.8642	55.47011	170.50633	18.35802	11.23121	21.31329	6.69E-10	5.33E-08	1.3E-08	2.06E-13	6.23E-13	4.92E-13	1.57E-14	3.78E-13	2.09E-14	4.14968E-13	6.689E-10	5.3317E-08	1.30088E-08	2.11128E-13	6.33385E-14	1.05381E-13	1.05381E-14
404	571510.6	4178399	0.55, 41783	0.8441	0.79417	0.91453	113.63796	52.27286	111.23462	14.20474	9.85599	18.36688	5.65E-10	4.48E-08	1.02E-08	1.74E-13	5.27E-13	4.16E-13	1.32E-14	3.2E-13	1.77E-14	3.50677E-13	5.653E-10	4.483E-08	1.02123E-08	1.78418E-13	5.35254E-14	8.90542E-14	8.90542E-15
405	571550.6	4178399	0.55, 41783	0.71988	0.67749	0.77601	84.04695	49.45688	81.90115	12.59546	8.65245	16.41022	4.82E-10	3.91E-08	9.07E-09	1.49E-13	4.49E-13	3.55E-13	1.13E-14	2.73E-13	1.5E-14	2.98945E-13	4.819E-10	3.9123E-08	9.06507E-09	1.52098E-13	4.56295E-14	7.59171E-14	7.59171E-15
406	571590.6	4178399	0.55, 41783	0.61846	0.58359	0.66441	61.25343	46.95039	82.40366	11.31778	7.65227	14.12983	4.15E-10	3.63E-08	8.1E-09	1.28E-13	3.86E-13	3.05E-13	9.71E-15	2.35E-13	1.29E-14	2.57252E-13	4.147E-10	3.6345E-08	8.09738E-09	1.30885E-13	3.92656E-14	6.5329E-14	6.5329E-15
407	570310.6	4178439	0.55, 41784	0.11265	0.08111	0.10949	78.47962	27.91467	88.7071	13.07994	3.48933	14.78452	6.06E-11	2.73E-08	9.24E-09	1.87E-14	5.65E-14	4.46E-14	1.42E-15	3.43E-14	1.89E-15	3.7621E-14	6.065E-11	2.7344E-08	9.23734E-09	1.91409E-14	5.74228E-15	9.55385E-15	9.55385E-16
408	570350.6	4178439	0.55, 41784	0.12585	0.09139	0.12175	84.54471	29.62734	96.42477	14.09078	3.70342	16.0708	6.81E-11	2.93E-08	9.96E-09	2.1E-14	6.35E-14	5.01E-14	1.6E-15	3.85E-14	2.13E-15	4.2269E-14	6.814E-11	2.9277E-08	9.96245E-09	2.15057E-14	6.45172E-15	1.07342E-14	1.07342E-15
409	570390.6	4178439	0.55, 41784	0.14252	0.10489	0.13706	91.50908	31.67143	105.54781	15.25151	4.06451	17.5913	7.79E-11	3.16E-08	1.08E-08	2.4E-14	7.26E-14	5.73E-14	1.82E-15	4.41E-14	2.43E-15	4.83087E-14	7.787E-11	3.1561E-08	1.07985E-08	2.45786E-14	7.37359E-15	1.2268E-14	1.2268E-15
410	570430.6	4178439	0.55, 41784	0.16313	0.12204	0.15568	99.54775	33.93845	116.15512	16.59129	4.47421	19.35919	9.01E-11	3.42E-08	1.18E-08	2.78E-14	8.4E-14	6.63E-14	2.11E-15	5.1E-14	2.81E-15	5.59191E-14	9.014E-11	3.4152E-08	1.17645E-08	2.84507E-14	8.53521E-15	1.42007E-14	1.42007E-15
411	570470.6	4178439	0.55, 41784	0.18858	0.14267	0.1783	108.92524	36.54882	128.38607	18.15421	4.93599	21.39768	1.05E-10	3.71E-08	1.29E-08	3.24E-14	9.78E-14	7.72E-14	2.46E-15	5.94E-14	3.28E-15	6.51102E-14	1.05E-10	3.7144E-08	1.28895E-08	3.31269E-14	9.93808E-15	1.65347E-14	1.65347E-15
412	570510.6	4178439	0.55, 41784	0.22167	0.16966	0.20722	120.34611	39.98702	143.34164	20.05769	5.68986	23.89027	1.24E-10	4.09E-08	1.43E-08	3.83E-14	1.16E-13	9.15E-14	2.91E-15	7.03E-14	3.88E-15	7.7094E-14	1.243E-10	4.0937E-08	1.42604E-08	3.92241E-14	1.17672E-14	1.9578E-14	1.9578E-15
413	570550.6	4178439	0.55, 41784	0.2658	0.20594	0.24496	134.27176	44.24032	161.13607	22.37863	6.83821	26.85601	1.5E-10	4.56E-08	1.59E-08	4.63E-14	1.4E-13	1.1E-13	3.52E-15	8.49E-14	4.69E-15	9.31341E-14	1.501E-10	4.5561E-08	1.59263E-08	4.7385E-14	1.42155E-14	2.36514E-14	2.36514E-15
414	570590.6	4178439	0.55, 41784	0.3272	0.25654	0.29583	151.91315	49.32778	182.29969	25.31886	8.30482	30.38328	1.86E-10	5.11E-08	1.8E-08	5.74E-14	1.73E-13	1.37E-13	4.36E-15	1.05E-13	5.81E-15	1.15414E-13	1.861E-10	5.1143E-08	1.80187E-08	5.87207E-14	1.76162E-14	2.93094E-14	2.93094E-15
415	570630.6	4178439	0.55, 41784	0.41735	0.33056	0.3671	175.42083	55.6235	213.97884	29.2368	10.21264	34.63299	2.38E-10	5.86E-08	2.08E-08	7.36E-14	2.22E-13	1.75E-13	5.58E-15	1.35E-13	7.44E-15	1.47866E-13	2.384E-10	5.8586E-08	2.07716E-08	7.52319E-14	2.25696E-14	3.75506E-14	3.75506E-15
416	570670.6	4178439	0.55, 41784	0.56024	0.44648	0.47194	208.37177	63.80907	268.23017	34.72863	12.75328	41.38807	3.2E-10	6.94E-08	2.47E-08	9.87E-14	2.98E-13	2.35E-13	7.49E-15	1.81E-13	9.99E-15	1.98427E-13	3.199E-10	6.9433E-08	2.46929E-08	1.00956E-13	3.02868E-14	5.03904E-14	5.03904E-15
417	570710.6	4178439	0.55, 41784	0.81434	0.64609	0.63688	258.28683	75.2647	339.8113	43.04781	16.40047	56.02404	4.6E-10	8.45E-08	3.1E-08	1.42E-13	4.28E-13	3.38E-13	1.08E-14	2.6E-13	1.43E-14	2.85046E-13	4.595E-10	8.4512E-08	3.09771E-08	1.45027E-13	4.3508E-14	7.23874E-14	7.23874E-15
418	570750.6	4178439	0.55, 41784	1.35572	1.03003	0.91926	343.9155	93.10334	457.76974	57.16949	22.25077	76.29496	7.29E-10	1.09E-07	4.13E-08	2.25E-13	6.79E-13	5.36E-13	1.71E-14	4.12E-13	2.28E-14	4.52005E-13	7.286E-10	1.0899E-07	4.1287E-08	2.29972E-13	6.89917E-14	1.14787E-13	1.14787E-14
419	570790.6	4178439	0.55, 41784	3.18264	2.0617	1.49283	571.47263	129.70009	738.76969	95.66015	38.79176	110.20608	1.46E-09	1.66E-07	6.77E-08	4.51E-13	1.36E-12	1.08E-12	3.42E-14	8.26E-13	4.56E-14	9.06091E-13	1.461E-09	1.6551E-07	6.77198E-08	4.61003E-13	1.38301E-13	2.30102E-13	2.30102E-14
420	571070.6	4178439	0.55, 41784	4.74443	12.25677	5.33303	251.71558	235.3671	557.08631	48.15254	87.29167	78.37734	7.52E-09	1.9E-07	3.59E-08	2.32E-12	7.01E-12	5.53E-12	1.76E-13	4.25E-12	2.35E-13	4.665E-12	7.52E-09	1.8999E-07	3.58785E-08	2.37347E-12	7.12042E-13	1.18468E-12	1.18468E-13
421	571110.6	4178439	0.55, 41784	3.89854	10.39914	4.234	292.37938	213.76959	730.76501	54.55193	96.69541	95.26587	6.35E-09	1.94E-07	4.12E-08	1.96E-12	5.92E-12	4.67E-12	1.49E-13	3.59E-12	1.98E-13	3.93896E-12	6.35E-09	1.9412E-07	4.11526E-08	2.00407E-12	6.01222E-13	1.0003E-12	1.0003E-13
422	571150.6	4178439	0.55, 41784	3.24566	6.14355	3.38328	299.25996	151.74182	537.6659	53.26943	58.88405	104.89405	3.88E-09	1.45E-07	4.11E-08	1.2E-12	3.61E-12	2.85E-12	9.08E-14	2.19E-12	1.21E-13	2.40637E-12	3.879E-09	1.4501E-07	4.11128E-08	1.22432E-12	3.67295E-13	6.11096E-13	6.11096E-14
423	571190.6	4178439	0.55, 41784	2.68652	4.20662	2.81661	319.22111	114.25705	663.08885	45.60302	42.68486	97.00809	2.72E-09	1.35E-07	3.58E-08	8.41E-13	2.54E-12	2E-12	6.38E-14	1.54E-12	8.51E-14	1.68994E-12	2.724E-09	1.3525E-07	3.57596E-08	8.59813E-13	2.57944E-13	4.2916E-13	4.2916E-14
424	571230.6	4178439	0.55, 41784	2.2851	3.10379	2.38014	355.31137	114.374	594.35462	48.25343	33.87475	78.4876	2.05E-09	1.32E-07	3.59E-08	6.33E-13	1.91E-12	1.51E-12	4.81E-14	1.16E-12	6.41E-14	1.27329E-12	2.053E-09	1.322E-07	3.59494E-08	6.47828E-13	1.94348E-13	3.23352E-13	3.23352E-14
425	571270.6	4178439	0.55, 41784	1.91581	2.39067	2.08735	281.61312	92.35093	457.23387	43.32371	28.45229	65.31912	1.61E-09	1.05E-07	3.19E-08	4.97E-13	1.5E-12	1.19E-12	3.77E-14	9.11E-13	5.03E-14	9.99103E-13	1.611E-09	1.0464E-07	3.18742E-08	5.08326E-13	1.52498E-13	2.53722E-13	2.53722E-14
426	571310.6	4178439	0.55, 41784	1.62017	1.88774	1.73959	249.98498	75.512	443.82502	38.72011	23.46838	65.04063	1.29E-09	9.23E-08	2.9E-08	3.97E-13	1.2E-12	9.46E-13	3.01E-14	7.27E-13	4.01E-14	7.97516E-13	1.286E-09	9.2261E-08	2.9008E-08	4.05762E-13	1.21729E-13	2.02529E-13	2.02529E-14
427	571350.6	4178439	0.55, 41784	1.36969	1.52492	1.4607	207.90528	71.02603	289.54604	31.99215	18.96422	43.80183	1.05E-09	7.51E-08	2.32E-08	3.23E-13	9.75E-13	7.7E-13	2.45E-14	5.92E-13	3.27E-14	6.49287E-13	1.047E-09	7.5078E-08	2.31908E-08	3.30346E-13	9.91038E-14	1.64886E-13	1.64886E-14
428	571390.6	4178439	0.55, 41784	1.16602	1.25794	1.25769	137.82846	66.02867	157.99714	21.56098	15.29437	27.7078	8.7E-10	5.76E-08	1.55E-08	2.68E-13	8.1E-13	6.4E-13	2.04E-14	4.92E-13	2.72E-14	5.3957E-13	8.698E-10	5.7637E-08	1.54877E-08	2.74524E-13	8.23571E-14	1.37024E-13	1.37024E-14
429	571430.6	4178439	0.55, 41784	1.00225	1.05165	1.08939	150.81052	60.59063	188.78292	19.07395	12.70811	25.02004	7.32E-10	5.78E-08	1.37E-08	2.26E-13	6.82E-13	5.39E-13	1.71E-14	4.14E-13	2.29E-14	4.5399E-13	7.318E-10	5.7836E-08	1.37409E-08	2.30982E-13	6.92947E-14	1.15291E-13	1.15291E-14
430	571470.6	4178439	0.55, 41784	0.86528	0.88825	0.94207	153.64691	54.59461	206.40776	19.20586	10.6849	25.80097	6.21E-10	5.61E-08	1.39E-08	1.92E-13	5.79E-13	4.57E-13	1.45E-14	3.51E-13	1.94E-14	3.85243E-13	6.21E-10	5.6061E-08	1.38835E-08	1.96005E-13	5.88015E-14	9.78324E-14	9.78324E-15
431	571510.6	4178439	0.55, 41784	0.75493	0.76151	0.82291	144.52703	49.13224	189.90829	18.06588	9.74189	23.73854	5.34E-10	5.12E-08	1.3E-08	1.65E-13	4.98E-13	3.93E-13	1.25E-14	3.02E-13	1.67E-14	3.31523E-13	5.344E-10	5.1168E-08	1.30179E-08	1.68673E-13	5.0602E-14	8.41903E-14	8.41903E-15
432	571550.6	4178439	0.55, 41784	0.65913	0.65716	0.71761	127.58758	46.59598	156.05984	15.94845	8.8858	19.50748	4.62E-10	4.61E-08	1.14E-08	1.43E-13	4.31E-13	3.4E-13	1.08E-14	2.61E-13	1.44E-14	2.86753E-13	4.623E-10	4.6054E-08	1.13789E-08	1.45895E-13	4.37685E-14	7.28209E-14	7.28209E-15
433	571590.6	4178439	0.55, 41784	0.57626	0.57045	0.62441	106.82976	44.35137	118.44703	13.35372	8.08009	14.80588	4.02E-10	4.06E-08	9.41E-09	1.24E-13	3.74E-13	2.96E-13	9.41E-15	2.27E-13	1.25E-14	2.49148E-13	4.016E-10	4.0569E-08	9.40816E-09	1.26762E-13	3.80287E-14	6.32711E-14	6.32711E-15
434	570310.6	4178479	0.55, 41784	0.1113	0.08183	0.10709	74.58423	29.47815	84.27127	11.80727	4.00274	12.56763	6.08E-11	2.76E-08	8.28E-09	1.88E-14	5.66E-14	4.47E-14	1.42E-15	3.44E-14	1.9E-15	3.77003E-14	6.077E-11	2.7622E-08	8.2777E-09	1.91813E-14	5.75438E-15	9.57399E-15	9.57399E-16
435	570350.6	4178479	0.55, 41784	0.12561	0.09388	0.12027	80.0812	31.76761	91.05741	12.83362	4.33491	13.82729	6.94E-11	2.98E-08	9.01E-09	2.14E-14	6.47E-14	5.11E-14	1.63E-15	3.93E-14	2.17E-15	4.30457E-14	6.939E-11	2.9767E-08	9.01032E-09	2.19009E-14	6.57027E-15	1.09314E-14	1.09314E-15
436	570390.6	4178479	0.55, 41784	0.14146	0.10678	0.13471	86.10528	34.01158	98.86723	14.01299	4.67053	15.28263	7.87E-11	3.2E-08	9.85E-09	2.43E-14	7.33E-14	5.79E-14	1.84E-15	4.45E-14	2.46E-15	4.88047E-14	7.867E-11	3.2001E-08	9.85277E-09	2.4831E-14	7.4493E-15	1.23939E-14	1.23939E-15
437	570430.6	4178479	0.55, 41784	0.16075	0.12266	0.15218	93.00088	36.36689	108.11431	15.32204	5.02469	17.00047	9.01E-11	3.45E-08	1.08E-08	2.78E-14	8.39E-14	6.63E-14	2.11E-15	5.09E-14	2.81E-15	5.58707E-14	9.007E-11	3.4463E-08	1.07959E-08	2.8426E-14	8.52781E-15	1.41883E-14	1.41883E-15
438	570470.6	4178479	0.55, 41784	0.18644	0.14379	0.17515	101.96042	39.51551	120.09702	16.93263	5.48718	19.18544	1.05E-10	3.77E-08	1.2E-08	3.25E-14	9.8E-14	7.74E-14	2.46E-15	5.95E-14	3.29E-15	6.52602E-14	1.052E-10	3.7708E-08	1.19618E-08	3.32033E-14	9.96098E-15	1.65728E-14	1.65728E-15
439	570510.6	4178479	0.55, 41784	0.22079	0.17209	0.20548	113.44919	43.50567	135.70428	18.9082	6.17272	22.02345	1.25E-10	4.19E-08	1.34E-08	3.87E-14	1.17E-13	9.23E-14	2.94E-15	7.1E-14	3.92E-15	7.78126E-14	1.254E-10	4.1863E-08	1.34043E-08	3.95897E-14	1.18769E-14	1.97605E-14	1.97605E-15
440	570550.6	4178479	0.55, 41784	0.2667	0.21004	0.24533	127.7059	48.20733	155.63974	21.28432	7.34053	25.62853	1.52E-10	4.69E-08	1.52E-08	4.71E-14	1.42E-13	1.12E-13	3.57E-15	8.63E-14	4.76E-15	9.45994E-14	1.525E-10	4.6923E-08	1.51542E-08	4.81305E-14	1.44392E-14	2.40235E-14	2.40235E-15
441	570590.6	4178479	0.55, 41784	0.32931	0.26248	0.29831	144.67878	53.44745	182.17951	24.11313	8.81975	30.24215	1.9E-10	5.3E-08	1.73E-08	5.85E-14	1.77E-13	1.4E-13	4.44E-15	1.07E-13	5.92E-15	1.17662E-13	1.897E-10	5.2969E-08	1.72627E-08	5.98646E-14	1.79594E-14	2.98803E-14	2.98803E-15
442	570630.6	4178479	0.55, 41784	0.42133	0.33962	0.37314	165.95931	60.05375	219.0797	27.65989	10.77683	36.51328	2.44E-10	6.09E-08	1.99E-08	7.53E-14	2.27E-13	1.8E-13	5.72E-15	1.38E-13	7.62E-15	1.51435E-13	2.441E-10	6.0853E-08	1.99443E-08	7.70474E-14	2.31142E-14	3.84568E-14	3.84568E-15
443	570670.6	4178479	0.55, 41784	0.56746	0.46145	0.48445	193.36004	69.0612	272.47405	32.22667	13.5092	45.41234	3.3E-10	7.17E-08	2.35E-08	1.02E-13	3.07E-13	2.43E-13	7.72E-15	1.86E-13	1.03E-14	2.04471E-13	3.296E-10	7.1743E-08	2.34616E-08	1.04031E-13	3.12093E-14	5.19252E-14	5.19252E-15
444	570710.6	4178479	0.55, 41784	0.83023	0.67528	0.66195	236.53606	81.84268	352.22256	39.07222	17.68943	58.70376	4.79E-10	8.78E-08	2.87E-08	1.48E-13	4.46E-13	3.52E-13	1.12E-14	2.71E-13	1.49E-14	2.96934E-13	4.787E-10	8.7775E-08	2.87302E-08	1.51075E-13	4.53225E-14	7.54063E-14	7.54063E-15
445	570750.6	4178479	0.55, 41784	1.42426	1.12918	0.97629	342.03514	102.90165	482.1747	49.67165	25.1054	80.36245	7.92E-10	1.16E-07	3.7E-08	2.45E-13	7.38E-13	5.83E-13	1.86E-14	4.48E-13	2.47E-14	4.91586E-13	7.924E-10	1.1623E-07	3.69723E-08	2.5011E-13	7.50331E-14	1.24838E-13	1.24838E-14
446	570790.6	4178479	0.55, 41784	3.63047	2.75084	1.62936	596.75244	187.47347	722.34167	107.7468	51.23422	120.39028	1.88E-09	1.98E-07	7.6E-08	5.81E-13	1.75E-12	1.39E-12	4.41E-14	1.06E-12	5.88E-14	1.16749E-12	1.882E-09	1.9789E-07	7.59838E-08	5.93997E-13	1.78199E-13	2.96483E-13	2.96483E-14
447	571030.6	4178479	0.55, 41784	9.40071	15.68167	11.18665	333.68631	267.08575	756.18793	81.11776	110.69164	178.64972	1.02E-08	2.28E-07	6.41E-08	3.14E-12	9.48E-12	7.49E-12	2.38E-13	5.75E-12	3.18E-13	6.30933E-12	1.017E-08	2.283E-07	6.40848E-08	3.21008E-12	9.63024E-13	1.60225E-12	1.60225E-13
448	571070.6	4178479	0.55, 41784	5.59712	9.0131	6.53916	216.22006	204.77885	522.16381	54.58514	76.29745	101.00005	5.87E-09	1.68E-07	4.16E-08	1.81E-12	5.47E-12	4.32E-12	1.37E-13	3.32E-12	1.83E-13	3.63915E-12	5.866E-09	1.6806E-07	4.16214E-08	1.85154E-12	5.55462E-13	9.24162E-13	9.24162E-14
449	571110.6	4178479	0.55, 41784	3.86033	5.8724	4.45436	232.77263	158.88759	526.3096	40.87392	60.11848	68.10823	3.85E-09	1.44E-07	3.06E-08	1.19E-12	3.59E-12	2.83E-12	9.02E-14	2.18E-12	1.2E-13	2.38874E-12	3.851E-09	1.4393E-07	3.05786E-08	1.21535E-12	3.64605E-13	6.0662E-13	6.0662E-14
450	571150.6	4178479	0.55, 41784	2.87873	4.17215	3.24074	243.47288	131.88403	510.79766	36.94401	47.80365	68.59206	2.75E-09	1.28E-07	2.82E-08	8.49E-13	2.56E-12	2.02E-12	6.44E-14	1.56E-12	8.59E-14	1.70609E-12	2.75E-09	1.2839E-07	2.81882E-08	8.6803E-13	2.60409E-13	4.33261E-13	4.33261E-14
451	571190.6	4178479	0.55, 41784	2.25924	3.11768	2.54212	272.99859	103.34976	495.79992	40.61499	35.56429	82.63332	2.07E-09	1.13E-07	3.16E-08	6.39E-13	1.93E-12	1.52E-12	4.85E-14	1.17E-12	6.47E-14	1.28493E-12	2.071E-09	1.1322E-07	3.1554E-08	6.53748E-13	1.96125E-13	3.26307E-13	3.26307E-14
452	571230.6	4178479	0.55, 41784	1.86428	2.43731	2.04705	228.60917	88.43023	428.91859	34.9281	28.65964	53.61482	1.63E-09	9.69E-08	2.58E-08	5.03E-13	1.52E-12	1.2E-12	3.82E-14	9.22E-13	5.09E-14	1.01122E-12	1.63E-09	9.6933E-08	2.57719E-08	5.1449E-13	1.54347E-13	2.56798E-13	2.56798E-14
453	571270.6	4178479	0.55, 41784	1.58233	1.95726	1.72288	275.18297	89.4878	451.79055	39.56066	24.38596	62.99097	1.32E-09	1.02E-07	2.94E-08	4.07E-13	1.23E-12	9.72E-13	3.09E-14	7.47E-13	4.12E-14	8.19187E-13	1.321E-09	1.0222E-07	2.93671E-08	4.16788E-13	1.25036E-13	2.08032E-13	2.08032E-14
454	571310.6	4178479	0.55, 41784	1.35793	1.6065	1.5101	222.77943	77.47813	328.49847	32.82803	21.05024	46.46168	1.1E-09	8.26E-08	2.39E-08	3.38E-13	1.02E-12	8.06E-13	2.56E-14	6.19E-13	3.42E-14	6.7933E-13	1.095E-09	8.2636E-08	2.39152E-08	3.45631E-13	1.03689E-13	1.72516E-13	1.72516E-14
455	571350.6	4178479	0.55, 41784	1.1642	1.33076	1.27594	210.30644	64.61424	297.95893	30.9494	18.13628	42.55235	9.12E-10	7.23E-08	2.24E-08	2.81E-13	8.49E-13	6.71E-13	2.13E-14	5.16E-13	2.85E-14	5.6547E-13	9.116E-10	7.2325E-08	2.24488E-08	2.87701E-13	8.63104E-14	1.43601E-13	1.43601E-14
456	571390.6	4178479	0.55, 41784	1.001	1.11694	1.07653	187.8278	60.73144	278.37154	27.7002	15.35336	39.86006	7.67E-10	6.72E-08	2.02E-08	2.37E-13	7.15E-13	5.65E-13	1.8E-14	4.34E-13	2.4E-14	4.7581E-13	7.67E-10	6.7232E-08	2.02308E-08	2.42084E-13	7.26252E-14	1.20832E-13	1.20832E-14
457	571430.6	4178479	0.55, 41784	0.8626	0.94616	0.9271	141.00765	57.76687	153.44465	20.99683	12.7525	23.01436	6.52E-10	5.29E-08	1.48E-08	2.01E-13	6.07E-13	4.8E-13	1.53E-14	3.69E-13	2.04E-14	4.04363E-13	6.518E-10	5.2892E-08	1.47722E-08	2.05733E-13	6.17199E-14	1.02688E-13	1.02688E-14
458	571470.6	4178479	0.55, 41784	0.75511	0.81334	0.81471	85.41876	54.87579	110.14274	13.60469	11.10539	17.11986	5.63E-10	4.44E-08	9.74E-09	1.74E-13	5.24E-13	4.14E-13	1.32E-14	3.18E-13	1.76E-14	3.48988E-13	5.626E-10	4.4426E-08	9.74411E-09	1.77559E-13	5.32677E-14	8.86254E-14	8.86254E-15
459	571510.6	4178479	0.55, 41784	0.666	0.70453	0.71826	104.54177	51.61661	121.24791	13.06772	9.4895	15.99878	4.89E-10	4.47E-08	9.32E-09	1.51E-13	4.56E-13	3.6E-13	1.15E-14	2.77E-13	1.53E-14	3.0337E-13	4.89E-10	4.468E-08	9.3247E-09	1.54349E-13	4.63048E-14	7.70407E-14	7.70407E-15
460	571550.6	4178479	0.55, 41784	0.58993	0.61436	0.63446	114.23468	47.78612	141.81512	14.27934	8.47335	17.72689	4.28E-10	4.48E-08	1.02E-08	1.32E-13	3.98E-13	3.15E-13	1E-14	2.42E-13	1.34E-14	2.65293E-13	4.277E-10	4.4766E-08	1.02084E-08	1.34976E-13	4.04929E-14	6.7371E-14	6.7371E-15
461	571590.6	4178479	0.55, 41784	0.5248	0.5396	0.56365	114.71837	43.31659	143.69009	14.3398	7.89274	17.96126	3.77E-10	4.25E-08	1.03E-08	1.16E-13	3.51E-13	2.77E-13	8.82E-15	2.13E-13	1.18E-14	2.33578E-13	3.765E-10	4.2461E-08	1.02641E-08	1.18841E-13	3.56522E-14	5.93171E-14	5.93171E-15
462	570310.6	4178519	0.55, 41785	0.10968	0.08323	0.10459	75.92481	30.95134	85.20389	12.65413	4.31611	14.20065	6.13E-11	2.86E-08	8.93E-09	1.89E-14	5.71E-14	4.51E-14	1.43E-15	3.47E-14	1.91E-15	3.79985E-14	6.125E-11	2.8597E-08	8.9286E-09	1.9333E-14	5.7999E-15	9.64972E-15	9.64972E-16
463	570350.6	4178519	0.55, 41785	0.12253	0.09413	0.11632	80.98331	32.52203	91.70345	13.49722	4.56123	15.28391	6.9E-11	3.03E-08	9.53E-09	2.13E-14	6.43E-14	5.08E-14	1.62E-15	3.9E-14	2.16E-15	4.28208E-14	6.903E-11	3.0293E-08	9.5342E-09	2.17865E-14	6.53594E-15	1.08743E-14	1.08743E-15
464	570390.6	4178519	0.55, 41785	0.13706	0.10653	0.12954	86.4192	34.09518	99.00991	14.4032	4.78567	16.50165	7.79E-11	3.21E-08	1.02E-08	2.4E-14	7.25E-14	5.73E-14	1.82E-15	4.4E-14	2.43E-15	4.82972E-14	7.786E-11	3.2078E-08	1.01892E-08	2.45728E-14	7.37183E-15	1.22651E-14	1.22651E-15
465	570430.6	4178519	0.55, 41785	0.15657	0.12308	0.14711	93.48729	36.56809	108.68156	15.58121	5.11226	18.11359	8.96E-11	3.46E-08	1.1E-08	2.77E-14	8.35E-14	6.6E-14	2.1E-15	5.07E-14	2.8E-15	5.56074E-14	8.964E-11	3.4649E-08	1.1043E-08	2.82921E-14	8.48762E-15	1.41215E-14	1.41215E-15
466	570470.6	4178519	0.55, 41785	0.18113	0.14422	0.16907	101.65142	39.2669	120.52836	16.9419	5.47129	20.08806	1.05E-10	3.76E-08	1.2E-08	3.23E-14	9.75E-14	7.7E-14	2.45E-15	5.92E-14	3.27E-15	6.49075E-14	1.046E-10	3.7585E-08	1.20381E-08	3.30238E-14	9.90715E-15	1.64832E-14	1.64832E-15
467	570510.6	4178519	0.55, 41785	0.21556	0.17373	0.19928	112.42418	43.21366	137.68321	18.73736	6.23491	22.9472	1.26E-10	4.18E-08	1.34E-08	3.87E-14	1.17E-13	9.24E-14	2.94E-15	7.1E-14	3.92E-15	7.7874E-14	1.255E-10	4.1791E-08	1.33709E-08	3.9621E-14	1.18863E-14	1.97761E-14	1.97761E-15
468	570550.6	4178519	0.55, 41785	0.26244	0.21401	0.23948	127.39838	48.06291	159.66591	20.89373	7.26318	26.61098	1.54E-10	4.71E-08	1.5E-08	4.75E-14	1.43E-13	1.13E-13	3.61E-15	8.71E-14	4.81E-15	9.55181E-14	1.54E-10	4.7139E-08	1.49897E-08	4.8598E-14	1.45794E-14	2.42568E-14	2.42568E-15
469	570590.6	4178519	0.55, 41785	0.32438	0.26815	0.29055	146.74921	52.55391	186.84388	23.05175	8.49659	31.14065	1.92E-10	5.3E-08	1.67E-08	5.92E-14	1.79E-13	1.41E-13	4.49E-15	1.09E-13	5.99E-15	1.19048E-13	1.919E-10	5.2967E-08	1.66771E-08	6.05696E-14	1.81709E-14	3.02322E-14	3.02322E-15
470	570630.6	4178519	0.55, 41785	0.41604	0.34788	0.36203	170.82398	60.03664	221.85088	25.41079	10.076	36.97515	2.48E-10	6.14E-08	1.86E-08	7.64E-14	2.31E-13	1.82E-13	5.8E-15	1.4E-13	7.73E-15	1.53536E-13	2.475E-10	6.1365E-08	1.85908E-08	7.81167E-14	2.3435E-14	3.89905E-14	3.89905E-15
471	570670.6	4178519	0.55, 41785	0.56352	0.47347	0.46761	210.6175	71.54419	266.74609	27.95974	12.2085	44.45768	3.35E-10	7.38E-08	2.08E-08	1.03E-13	3.12E-13	2.46E-13	7.84E-15	1.89E-13	1.05E-14	2.07642E-13	3.347E-10	7.3753E-08	2.07506E-08	1.05645E-13	3.16934E-14	5.27306E-14	5.27306E-15
472	570710.6	4178519	0.55, 41785	0.82936	0.69158	0.6351	257.30872	94.91316	337.8148	32.16359	16.3308	53.60133	4.86E-10	9.52E-08	2.41E-08	1.5E-13	4.52E-13	3.57E-13	1.14E-14	2.75E-13	1.52E-14	3.01213E-13	4.856E-10	9.5206E-08	2.40627E-08	1.53252E-13	4.59757E-14	7.64931E-14	7.64931E-15
473	570750.6	4178519	0.55, 41785	1.36529	1.13262	0.93188	327.60111	130.96882	473.41526	45.80096	29.91109	62.68561	7.87E-10	1.3E-07	3.32E-08	2.43E-13	7.33E-13	5.79E-13	1.84E-14	4.45E-13	2.46E-14	4.88329E-13	7.872E-10	1.3022E-07	3.31989E-08	2.48454E-13	7.45361E-14	1.24011E-13	1.24011E-14
474	570790.6	4178519	0.55, 41785	2.09469	1.90095	1.39228	339.24086	174.34023	730.67406	59.4987	49.70987	91.33426	1.3E-09	1.75E-07	4.39E-08	4E-13	1.21E-12	9.53E-13	3.03E-14	7.33E-13	4.05E-14	8.03633E-13	1.295E-09	1.7515E-07	4.39017E-08	4.08875E-13	1.22662E-13	2.04082E-13	2.04082E-14
475	570990.6	4178519	0.55, 41785	30.9381	16.28557	11.79039	1645.60932	278.46944	1244.70182	444.29015	131.46412	279.7997	1.19E-08	3.55E-07	2.96E-07	3.67E-12	1.11E-11	8.76E-12	2.79E-13	6.73E-12	3.72E-13	7.38215E-12	1.19E-08	3.5485E-07	2.96383E-07	3.75591E-12	1.12677E-12	1.8747E-12	1.8747E-13
476	571030.6	4178519	0.55, 41785	10.39533	8.05295	7.62595	575.07494	188.36146	999.69988	130.51861	75.45666	173.23921	5.72E-09	2.19E-07	9.42E-08	1.76E-12	5.33E-12	4.21E-12	1.34E-13	3.23E-12	1.79E-13	3.54723E-12	5.718E-09	2.1871E-07	9.41849E-08	1.80477E-12	5.41431E-13	9.00818E-13	9.00818E-14
477	571070.6	4178519	0.55, 41785	5.62777	5.38206	5.21191	327.13066	151.27996	542.64793	61.45445	56.79768	91.26612	3.75E-09	1.47E-07	4.51E-08	1.16E-12	3.49E-12	2.76E-12	8.78E-14	2.12E-12	1.17E-13	2.32512E-12	3.748E-09	1.4689E-07	4.51048E-08	1.18298E-12	3.54895E-13	5.90464E-13	5.90464E-14
478	571110.6	4178519	0.55, 41785	3.70135	3.92679	3.70614	194.51307	130.68512	402.95521	41.68788	44.49195	69.09918	2.7E-09	1.16E-07	3.12E-08	8.34E-13	2.52E-12	1.99E-12	6.33E-14	1.53E-12	8.44E-14	1.67605E-12	2.702E-09	1.1624E-07	3.11589E-08	8.52744E-13	2.55823E-13	4.25632E-13	4.25632E-14
479	571150.6	4178519	0.55, 41785	2.69329	3.00723	2.77155	208.02281	103.35418	440.08145	30.40761	37.50867	55.01018	2.06E-09	1.05E-07	2.31E-08	6.34E-13	1.91E-12	1.51E-12	4.81E-14	1.16E-12	6.42E-14	1.27484E-12	2.055E-09	1.0481E-07	2.30879E-08	6.48617E-13	1.94585E-13	3.23746E-13	3.23746E-14
480	571190.6	4178519	0.55, 41785	2.08526	2.38411	2.19601	205.94825	100.14217	330.97092	32.90062	31.32752	44.74048	1.63E-09	9.44E-08	2.38E-08	5.02E-13	1.52E-12	1.2E-12	3.81E-14	9.2E-13	5.08E-14	1.00869E-12	1.626E-09	9.4363E-08	2.38255E-08	5.13202E-13	1.53961E-13	2.56155E-13	2.56155E-14
481	571230.6	4178519	0.55, 41785	1.66362	1.91731	1.76389	215.41751	83.66277	360.55042	30.77393	25.17962	52.13444	1.31E-09	8.81E-08	2.31E-08	4.03E-13	1.22E-12	9.62E-13	3.06E-14	7.39E-13	4.08E-14	8.10566E-13	1.307E-09	8.8116E-08	2.30895E-08	4.12402E-13	1.23721E-13	2.05843E-13	2.05843E-14
482	571270.6	4178519	0.55, 41785	1.38104	1.58176	1.44385	194.90891	74.63088	227.07234	31.16799	21.56574	34.54332	1.08E-09	7.14E-08	2.2E-08	3.33E-13	1E-12	7.93E-13	2.52E-14	6.1E-13	3.37E-14	6.68491E-13	1.078E-09	7.1384E-08	2.19578E-08	3.40117E-13	1.02035E-13	1.69763E-13	1.69763E-14
483	571310.6	4178519	0.55, 41785	1.18628	1.33473	1.24995	227.7435	74.01926	353.91479	34.0231	18.88588	51.12416	9.13E-10	8.3E-08	2.5E-08	2.82E-13	8.51E-13	6.72E-13	2.14E-14	5.17E-13	2.85E-14	5.66434E-13	9.131E-10	8.3013E-08	2.5018E-08	2.88192E-13	8.64575E-14	1.43846E-13	1.43846E-14
484	571350.6	4178519	0.55, 41785	1.02794	1.1349	1.10387	186.21806	66.32591	255.87469	28.09378	16.3212	37.6065	7.81E-10	6.85E-08	2.03E-08	2.41E-13	7.28E-13	5.75E-13	1.83E-14	4.42E-13	2.44E-14	4.84368E-13	7.808E-10	6.848E-08	2.02978E-08	2.46438E-13	7.39314E-14	1.23005E-13	1.23005E-14
485	571390.6	4178519	0.55, 41785	0.88898	0.96986	0.94947	165.64096	58.31983	230.86073	23.55305	14.40747	29.95608	6.68E-10	6.08E-08	1.69E-08	2.06E-13	6.23E-13	4.92E-13	1.57E-14	3.78E-13	2.09E-14	4.14635E-13	6.684E-10	6.0791E-08	1.68943E-08	2.10959E-13	6.32878E-14	1.05297E-13	1.05297E-14
486	571430.6	4178519	0.55, 41785	0.7696	0.83467	0.8102	166.81635	54.79876	235.11797	23.72844	12.50769	32.6638	5.75E-10	5.92E-08	1.72E-08	1.77E-13	5.36E-13	4.23E-13	1.35E-14	3.25E-13	1.8E-14	3.56679E-13	5.75E-10	5.9242E-08	1.72143E-08	1.81472E-13	5.44417E-14	9.05786E-14	9.05786E-15
487	571470.6	4178519	0.55, 41785	0.67066	0.72494	0.7032	138.40145	51.97552	171.46902	19.82816	10.73341	24.30543	4.99E-10	5.09E-08	1.42E-08	1.54E-13	4.65E-13	3.68E-13	1.17E-14	2.83E-13	1.56E-14	3.09851E-13	4.995E-10	5.0922E-08	1.41511E-08	1.57647E-13	4.72941E-14	7.86867E-14	7.86867E-15
488	571510.6	4178519	0.55, 41785	0.58987	0.63439	0.62004	93.94363	49.66848	89.41667	13.736	9.50533	13.29785	4.38E-10	4.04E-08	9.53E-09	1.35E-13	4.08E-13	3.22E-13	1.02E-14	2.48E-13	1.37E-14	2.71491E-13	4.377E-10	4.0447E-08	9.52648E-09	1.3813E-13	4.1439E-14	6.89451E-14	6.89451E-15
489	571550.6	4178519	0.55, 41785	0.52422	0.55926	0.55249	64.7066	47.53612	82.72316	9.81761	8.44297	11.85775	3.87E-10	3.69E-08	6.99E-09	1.19E-13	3.6E-13	2.84E-13	9.05E-15	2.19E-13	1.21E-14	2.39787E-13	3.865E-10	3.6911E-08	6.99287E-09	1.22E-13	3.65999E-14	6.08939E-14	6.08939E-15
490	571590.6	4178519	0.55, 41785	0.47148	0.49721	0.49682	75.39988	45.27823	83.60413	9.54319	7.49343	11.2302	3.44E-10	3.64E-08	6.77E-09	1.06E-13	3.21E-13	2.53E-13	8.07E-15	1.95E-13	1.08E-14	2.13666E-13	3.444E-10	3.6395E-08	6.77426E-09	1.0871E-13	3.26129E-14	5.42604E-14	5.42604E-15
491	570310.6	4178559	0.55, 41785	0.10731	0.08405	0.10201	76.80272	30.54078	89.48595	12.80045	4.19275	14.91432	6.14E-11	2.88E-08	9.07E-09	1.89E-14	5.72E-14	4.52E-14	1.44E-15	3.47E-14	1.92E-15	3.8064E-14	6.136E-11	2.8758E-08	9.0748E-09	1.93663E-14	5.80989E-15	9.66633E-15	9.66633E-16
492	570350.6	4178559	0.55, 41785	0.11907	0.09438	0.11262	82.9813	31.5625	94.82328	13.39224	4.31782	15.80388	6.87E-11	3.01E-08	9.51E-09	2.12E-14	6.4E-14	5.05E-14	1.61E-15	3.88E-14	2.14E-15	4.25933E-14	6.866E-11	3.0129E-08	9.50998E-09	2.16707E-14	6.50121E-15	1.08165E-14	1.08165E-15
493	570390.6	4178559	0.55, 41785	0.1339	0.10748	0.12591	90.55746	32.83588	101.05325	14.07263	4.47793	16.84221	7.79E-11	3.18E-08	1E-08	2.4E-14	7.26E-14	5.73E-14	1.82E-15	4.41E-14	2.43E-15	4.83258E-14	7.79E-11	3.1797E-08	1.00115E-08	2.45874E-14	7.37621E-15	1.22723E-14	1.22723E-15
494	570430.6	4178559	0.55, 41785	0.15297	0.12443	0.14282	99.07784	34.42492	111.25467	14.88754	4.68196	18.0897	8.98E-11	3.4E-08	1.06E-08	2.77E-14	8.37E-14	6.61E-14	2.1E-15	5.08E-14	2.81E-15	5.57247E-14	8.983E-11	3.401E-08	1.06126E-08	2.83518E-14	8.50554E-15	1.41513E-14	1.41513E-15
495	570470.6	4178559	0.55, 41785	0.17711	0.14611	0.16369	108.3811	37.13833	125.77833	15.68816	5.10948	19.33096	1.05E-10	3.72E-08	1.12E-08	3.24E-14	9.78E-14	7.73E-14	2.46E-15	5.94E-14	3.28E-15	6.51418E-14	1.05E-10	3.7234E-08	1.12043E-08	3.3143E-14	9.94291E-15	1.65427E-14	1.65427E-15
496	570510.6	4178559	0.55, 41785	0.21022	0.1758	0.19176	119.02071	41.74654	144.28309	16.67371	5.7123	20.76073	1.26E-10	4.19E-08	1.19E-08	3.88E-14	1.17E-13	9.26E-14	2.95E-15	7.11E-14	3.93E-15	7.80153E-14	1.258E-10	4.1905E-08	1.1925E-08	3.96928E-14	1.19079E-14	1.9812E-14	1.9812E-15
497	570550.6	4178559	0.55, 41785	0.25686	0.21737	0.22998	138.81712	48.97119	169.0217	17.78034	6.5378	22.20322	1.55E-10	4.91E-08	1.27E-08	4.78E-14	1.44E-13	1.14E-13	3.62E-15	8.75E-14	4.83E-15	9.59985E-14	1.548E-10	4.9089E-08	1.27215E-08	4.88424E-14	1.46527E-14	2.43788E-14	2.43788E-15
498	570590.6	4178559	0.55, 41785	0.31921	0.27311	0.27901	158.95656	55.69599	196.40207	19.86957	7.90259	24.55026	1.93E-10	5.62E-08	1.42E-08	5.97E-14	1.8E-13	1.42E-13	4.53E-15	1.09E-13	6.04E-15	1.19997E-13	1.934E-10	5.6223E-08	1.41958E-08	6.10522E-14	1.83157E-14	3.04731E-14	3.04731E-15
499	570630.6	4178559	0.55, 41785	0.41072	0.35398	0.34795	180.38278	65.18573	228.48167	22.54785	9.64997	28.56021	2.49E-10	6.53E-08	1.62E-08	7.7E-14	2.32E-13	1.84E-13	5.84E-15	1.41E-13	7.79E-15	1.54749E-13	2.495E-10	6.534E-08	1.61641E-08	7.87334E-14	2.362E-14	3.92984E-14	3.92984E-15
500	570670.6	4178559	0.55, 41785	0.55178	0.47716	0.45068	218.05495	85.23197	290.43238	27.25687	14.02323	36.30405	3.35E-10	8.37E-08	1.97E-08	1.03E-13	3.12E-13	2.46E-13	7.84E-15	1.89E-13	1.05E-14	2.07637E-13	3.347E-10	8.3671E-08	1.96789E-08	1.05642E-13	3.16926E-14	5.27293E-14	5.27293E-15
501	570710.6	4178559	0.55, 41785	0.78132	0.6809	0.62169	244.71244	105.12049	355.26836	32.595	21.74638	44.40855	4.76E-10	1.01E-07	2.36E-08	1.47E-13	4.43E-13	3.5E-13	1.11E-14	2.69E-13	1.49E-14	2.9502E-13	4.756E-10	1.0145E-07	2.36107E-08	1.50101E-13	4.50304E-14	7.49203E-14	7.49203E-15
502	570750.6	4178559	0.55, 41785	1.13763	1.02831	0.92752	276.33124	124.7524	514.56755	39.47589	32.46528	64.32094	7.15E-10	1.27E-07	2.94E-08	2.21E-13	6.66E-13	5.26E-13	1.67E-14	4.04E-13	2.23E-14	4.43352E-13	7.147E-10	1.2678E-07	2.94187E-08	2.2557E-13	6.7671E-14	1.12589E-13	1.12589E-14
503	570790.6	4178559	0.55, 41785	1.48115	1.46435	1.34156	285.306	157.20995	776.24295	43.19026	42.97795	97.64972	1.01E-09	1.66E-07	3.43E-08	3.12E-13	9.42E-13	7.44E-13	2.37E-14	5.72E-13	3.16E-14	6.26968E-13	1.011E-09	1.6582E-07	3.4319E-08	3.1899E-13	9.56971E-14	1.59218E-13	1.59218E-14
504	570830.6	4178559	0.55, 41785	2.67811	2.99292	2.3948	342.02881	178.80856	871.65336	66.23843	64.34565	121.28657	2.02E-09	1.89E-07	5.04E-08	6.22E-13	1.88E-12	1.48E-12	4.72E-14	1.14E-12	6.3E-14	1.25105E-12	2.017E-09	1.8882E-07	5.04073E-08	6.36514E-13	1.90954E-13	3.17705E-13	3.17705E-14
505	570950.6	4178559	0.55, 41785	26.55575	12.00196	5.05287	679.01352	318.67052	1487.06516	280.37281	116.3834	245.48668	8.72E-09	3.36E-07	1.92E-07	2.69E-12	8.13E-12	6.42E-12	2.04E-13	4.93E-12	2.72E-13	5.40977E-12	8.721E-09	3.3567E-07	1.92422E-07	2.7524E-12	8.25719E-13	1.37381E-12	1.37381E-13
506	570990.6	4178559	0.55, 41785	10.52141	6.96087	4.44153	639.29991	205.65266	1371.63359	133.52138	75.6432	174.17097	4.87E-09	2.61E-07	9.61E-08	1.5E-12	4.54E-12	3.58E-12	1.14E-13	2.76E-12	1.52E-13	3.02149E-12	4.871E-09	2.614E-07	9.6113E-08	1.53728E-12	4.61185E-13	7.67307E-13	7.67307E-14
507	571030.6	4178559	0.55, 41785	6.12086	4.69941	3.63304	562.31532	143.87555	907.33173	97.52112	53.65332	135.00156	3.28E-09	1.86E-07	7.08E-08	1.01E-12	3.05E-12	2.41E-12	7.67E-14	1.85E-12	1.02E-13	2.03252E-12	3.276E-09	1.8599E-07	7.08079E-08	1.03411E-12	3.10234E-13	5.16159E-13	5.16159E-14
508	571070.6	4178559	0.55, 41785	4.00501	3.46908	2.98955	291.75499	122.4909	364.39166	69.10596	41.80504	75.82917	2.41E-09	1.15E-07	4.86E-08	7.44E-13	2.25E-12	1.77E-12	5.65E-14	1.36E-12	7.53E-14	1.4954E-12	2.411E-09	1.1475E-07	4.86257E-08	7.60834E-13	2.2825E-13	3.79757E-13	3.79757E-14
509	571110.6	4178559	0.55, 41785	2.89394	2.70355	2.4438	288.47324	105.99812	437.78623	48.03981	36.46899	59.71453	1.87E-09	1.11E-07	3.43E-08	5.78E-13	1.75E-12	1.38E-12	4.39E-14	1.06E-12	5.85E-14	1.16212E-12	1.873E-09	1.1113E-07	3.435E-08	5.91265E-13	1.77379E-13	2.95119E-13	2.95119E-14
510	571150.6	4178559	0.55, 41785	2.21115	2.17534	2.01472	240.56187	97.79178	377.92847	31.90722	30.3701	47.66793	1.5E-09	9.89E-08	2.34E-08	4.64E-13	1.4E-12	1.11E-12	3.52E-14	8.51E-13	4.7E-14	9.32859E-13	1.504E-09	9.8893E-08	2.34405E-08	4.74623E-13	1.42387E-13	2.36899E-13	2.36899E-14
511	571190.6	4178559	0.55, 41785	1.76303	1.79806	1.6955	177.14345	83.63267	264.27885	24.55859	26.34777	34.50528	1.24E-09	7.82E-08	1.79E-08	3.83E-13	1.16E-12	9.14E-13	2.91E-14	7.02E-13	3.88E-14	7.70026E-13	1.241E-09	7.818E-08	1.78712E-08	3.91776E-13	1.17533E-13	1.95548E-13	1.95548E-14
512	571230.6	4178559	0.55, 41785	1.44054	1.50665	1.43503	192.87207	80.98435	306.26039	29.09943	22.26218	51.0434	1.04E-09	8.1E-08	2.2E-08	3.21E-13	9.68E-13	7.65E-13	2.43E-14	5.88E-13	3.24E-14	6.44497E-13	1.039E-09	8.0975E-08	2.19696E-08	3.27909E-13	9.83727E-14	1.6367E-13	1.6367E-14
513	571270.6	4178559	0.55, 41785	1.19178	1.27042	1.20125	167.21575	71.42327	283.3883	22.32638	19.23301	35.42354	8.74E-10	7.23E-08	1.66E-08	2.7E-13	8.14E-13	6.43E-13	2.05E-14	4.94E-13	2.73E-14	5.42131E-13	8.739E-10	7.2273E-08	1.65637E-08	2.75827E-13	8.27481E-14	1.37674E-13	1.37674E-14
514	571310.6	4178559	0.55, 41785	1.01245	1.08581	1.02025	169.23295	65.49002	155.67948	26.6418	16.91234	25.18935	7.46E-10	5.91E-08	1.84E-08	2.3E-13	6.95E-13	5.49E-13	1.75E-14	4.22E-13	2.33E-14	4.62801E-13	7.46E-10	5.9121E-08	1.84301E-08	2.35465E-13	7.06396E-14	1.17528E-13	1.17528E-14
515	571350.6	4178559	0.55, 41785	0.8838	0.94242	0.90608	194.09519	63.64749	285.0024	28.90026	14.99354	40.61241	6.49E-10	6.98E-08	2.1E-08	2E-13	6.05E-13	4.78E-13	1.52E-14	3.67E-13	2.03E-14	4.02878E-13	6.495E-10	6.9762E-08	2.10311E-08	2.04977E-13	6.14932E-14	1.02311E-13	1.02311E-14
516	571390.6	4178559	0.55, 41785	0.78025	0.82372	0.8159	158.10154	57.98385	206.74246	23.81897	12.89204	30.22211	5.7E-10	5.82E-08	1.71E-08	1.76E-13	5.31E-13	4.2E-13	1.33E-14	3.22E-13	1.78E-14	3.53597E-13	5.7E-10	5.8248E-08	1.70794E-08	1.79904E-13	5.39711E-14	8.97958E-14	8.97958E-15
517	571430.6	4178559	0.55, 41785	0.68512	0.72115	0.71821	137.68904	52.2569	180.06144	18.93914	11.62385	25.68604	4.99E-10	5.17E-08	1.37E-08	1.54E-13	4.65E-13	3.68E-13	1.17E-14	2.83E-13	1.56E-14	3.09835E-13	4.995E-10	5.1706E-08	1.37097E-08	1.57639E-13	4.72916E-14	7.86824E-14	7.86824E-15
518	571470.6	4178559	0.55, 41785	0.60049	0.63425	0.62389	143.56241	49.93475	187.32246	19.90478	10.29716	25.60594	4.39E-10	5.14E-08	1.43E-08	1.35E-13	4.09E-13	3.23E-13	1.03E-14	2.48E-13	1.37E-14	2.72042E-13	4.385E-10	5.1351E-08	1.43001E-08	1.3841E-13	4.1523E-14	6.90849E-14	6.90849E-15
519	571510.6	4178559	0.55, 41785	0.52736	0.56045	0.5447	131.02036	47.72087	167.66109	18.26486	8.99798	23.11602	3.87E-10	4.78E-08	1.31E-08	1.19E-13	3.6E-13	2.85E-13	9.06E-15	2.19E-13	1.21E-14	2.39941E-13	3.868E-10	4.78E-08	1.30922E-08	1.22078E-13	3.66234E-14	6.0933E-14	6.0933E-15
520	571550.6	4178559	0.55, 41785	0.46874	0.49944	0.48529	99.50634	45.73793	109.0385	14.05158	8.03042	15.4257	3.45E-10	4.01E-08	9.89E-09	1.06E-13	3.21E-13	2.54E-13	8.07E-15	1.95E-13	1.08E-14	2.13769E-13	3.446E-10	4.0146E-08	9.8878E-09	1.08762E-13	3.26286E-14	5.42865E-14	5.42865E-15
521	571590.6	4178559	0.55, 41785	0.42104	0.44786	0.43792	63.39282	43.98321	60.02596	9.17705	7.35207	9.24249	3.09E-10	3.31E-08	6.39E-09	9.54E-14	2.88E-13	2.28E-13	7.24E-15	1.75E-13	9.66E-15	1.91853E-13	3.093E-10	3.3082E-08	6.39266E-09	9.76113E-14	2.92834E-14	4.87209E-14	4.87209E-15
522	570310.6	4178599	0.55, 41785	0.10507	0.08466	0.09914	83.25071	28.48032	95.05484	11.19876	3.62883	12.56574	6.13E-11	2.85E-08	7.9E-09	1.89E-14	5.71E-14	4.51E-14	1.44E-15	3.47E-14	1.92E-15	3.8048E-14	6.133E-11	2.8452E-08	7.90158E-09	1.93582E-14	5.80746E-15	9.66229E-15	9.66229E-16
523	570350.6	4178599	0.55, 41785	0.11716	0.09561	0.10985	88.57329	30.33455	103.53599	11.44069	3.79182	12.942	6.9E-11	3.05E-08	8.08E-09	2.13E-14	6.43E-14	5.08E-14	1.62E-15	3.9E-14	2.15E-15	4.28086E-14	6.901E-11	3.0478E-08	8.08047E-09	2.17803E-14	6.53408E-15	1.08712E-14	1.08712E-15
524	570390.6	4178599	0.55, 41785	0.13131	0.10865	0.12235	93.2639	32.45644	112.44406	11.65799	4.05706	14.05551	7.81E-11	3.26E-08	8.3E-09	2.41E-14	7.28E-14	5.75E-14	1.83E-15	4.42E-14	2.44E-15	4.84558E-14	7.811E-11	3.2646E-08	8.30178E-09	2.46535E-14	7.39604E-15	1.23053E-14	1.23053E-15
525	570430.6	4178599	0.55, 41785	0.15022	0.126	0.13878	103.53542	36.02365	122.12845	12.94193	4.50296	15.26606	9.02E-11	3.6E-08	9.19E-09	2.78E-14	8.41E-14	6.64E-14	2.11E-15	5.1E-14	2.82E-15	5.5963E-14	9.021E-11	3.6026E-08	9.18971E-09	2.8473E-14	8.5419E-15	1.42118E-14	1.42118E-15
526	570470.6	4178599	0.55, 41785	0.17421	0.14819	0.15942	115.63183	39.91557	131.63773	14.45398	5.34922	16.45472	1.06E-10	3.97E-08	1.02E-08	3.26E-14	9.84E-14	7.78E-14	2.47E-15	5.98E-14	3.3E-15	6.55388E-14	1.057E-10	3.9687E-08	1.02169E-08	3.3345E-14	1.00035E-14	1.66436E-14	1.66436E-15
527	570510.6	4178599	0.55, 41785	0.20799	0.17912	0.18803	128.15759	44.54205	154.67263	16.0197	6.36274	19.33408	1.27E-10	4.48E-08	1.14E-08	3.92E-14	1.18E-13	9.36E-14	2.98E-15	7.19E-14	3.97E-15	7.88916E-14	1.272E-10	4.4841E-08	1.14093E-08	4.01387E-14	1.20416E-14	2.00345E-14	2.00345E-15
528	570550.6	4178599	0.55, 41785	0.25382	0.22088	0.22625	141.74172	51.90419	182.47104	17.71771	7.41488	22.80888	1.56E-10	5.2E-08	1.27E-08	4.82E-14	1.46E-13	1.15E-13	3.66E-15	8.84E-14	4.88E-15	9.69088E-14	1.562E-10	5.1952E-08	1.27301E-08	4.93055E-14	1.47917E-14	2.461E-14	2.461E-15
529	570590.6	4178599	0.55, 41785	0.31442	0.27626	0.27638	161.8077	62.94071	207.9054	20.22596	8.27119	25.98817	1.95E-10	6.13E-08	1.45E-08	6.01E-14	1.81E-13	1.43E-13	4.56E-15	1.1E-13	6.08E-15	1.20768E-13	1.947E-10	6.1323E-08	1.45284E-08	6.14449E-14	1.84335E-14	3.06691E-14	3.06691E-15
530	570630.6	4178599	0.55, 41785	0.39904	0.35395	0.34775	187.04764	77.01967	233.41259	23.38095	12.20463	29.17657	2.49E-10	7.27E-08	1.67E-08	7.67E-14	2.32E-13	1.83E-13	5.82E-15	1.41E-13	7.77E-15	1.54275E-13	2.487E-10	7.2714E-08	1.6727E-08	7.84927E-14	2.35478E-14	3.91782E-14	3.91782E-15
531	570670.6	4178599	0.55, 41785	0.52025	0.46779	0.4567	203.91154	89.67976	314.96286	27.18561	17.16092	39.37036	3.28E-10	8.72E-08	1.99E-08	1.01E-13	3.06E-13	2.41E-13	7.68E-15	1.86E-13	1.02E-14	2.03478E-13	3.28E-10	8.7174E-08	1.98746E-08	1.03526E-13	3.10578E-14	5.16731E-14	5.16731E-15
532	570710.6	4178599	0.55, 41785	0.68748	0.63563	0.62617	226.5911	101.22552	383.25212	32.37016	22.387	47.90652	4.45E-10	1E-07	2.37E-08	1.37E-13	4.15E-13	3.27E-13	1.04E-14	2.52E-13	1.39E-14	2.76002E-13	4.449E-10	1.0034E-07	2.37452E-08	1.40425E-13	4.21275E-14	7.00907E-14	7.00907E-15
533	570750.6	4178599	0.55, 41785	0.91976	0.89022	0.88415	243.41497	114.05895	499.75889	34.77357	31.00996	69.4997	6.21E-10	1.18E-07	2.69E-08	1.92E-13	5.79E-13	4.57E-13	1.45E-14	3.51E-13	1.94E-14	3.85227E-13	6.21E-10	1.1763E-07	2.69181E-08	1.95997E-13	5.8799E-14	9.78282E-14	9.78282E-15
534	570790.6	4178599	0.55, 41785	1.20615	1.22781	1.16033	261.32328	130.44037	537.17009	39.31654	39.06207	73.65107	8.48E-10	1.31E-07	3E-08	2.62E-13	7.9E-13	6.24E-13	1.99E-14	4.8E-13	2.65E-14	5.26026E-13	8.48E-10	1.3077E-07	3.00496E-08	2.67633E-13	8.02899E-14	1.33584E-13	1.33584E-14
535	570830.6	4178599	0.55, 41785	1.86035	2.06593	1.53512	307.79075	158.37727	606.96091	57.33573	51.17396	80.52216	1.38E-09	1.55E-07	4.17E-08	4.27E-13	1.29E-12	1.02E-12	3.24E-14	7.83E-13	4.32E-14	8.58303E-13	1.384E-09	1.5465E-07	4.17201E-08	4.3669E-13	1.31007E-13	2.17966E-13	2.17966E-14
536	570870.6	4178599	0.55, 41785	2.81953	3.8452	1.88016	429.66876	238.19724	679.18896	77.96533	87.47681	90.64703	2.46E-09	2.12E-07	5.53E-08	7.59E-13	2.29E-12	1.81E-12	5.76E-14	1.39E-12	7.68E-14	1.52519E-12	2.459E-09	2.1224E-07	5.52579E-08	7.75989E-13	2.32797E-13	3.87321E-13	3.87321E-14
537	570910.6	4178599	0.55, 41785	4.21414	6.38342	2.32175	555.65098	273.48442	945.27353	124.98504	103.73159	124.24769	3.99E-09	2.61E-07	8.69E-08	1.23E-12	3.72E-12	2.94E-12	9.34E-14	2.26E-12	1.25E-13	2.47509E-12	3.99E-09	2.6051E-07	8.69363E-08	1.25929E-12	3.77786E-13	6.2855E-13	6.2855E-14
538	570950.6	4178599	0.55, 41785	4.59898	4.54538	2.28746	563.80012	195.03038	769.06119	96.52509	58.5202	125.1466	2.99E-09	2.04E-07	6.94E-08	9.23E-13	2.79E-12	2.2E-12	7E-14	1.69E-12	9.34E-14	1.85517E-12	2.991E-09	2.0368E-07	6.94221E-08	9.4388E-13	2.83164E-13	4.71121E-13	4.71121E-14
539	570990.6	4178599	0.55, 41785	3.82228	3.4158	2.10211	387.45867	157.86758	722.29473	74.93195	45.58999	97.36969	2.3E-09	1.68E-07	5.39E-08	7.1E-13	2.14E-12	1.69E-12	5.39E-14	1.3E-12	7.18E-14	1.42692E-12	2.3E-09	1.6836E-07	5.39092E-08	7.25995E-13	2.17798E-13	3.62367E-13	3.62367E-14
540	571030.6	4178599	0.55, 41785	3.02247	2.69987	1.99871	442.17309	124.03841	776.22539	67.82636	38.72372	97.59907	1.84E-09	1.57E-07	4.95E-08	5.69E-13	1.72E-12	1.36E-12	4.32E-14	1.04E-12	5.76E-14	1.14425E-12	1.845E-09	1.5721E-07	4.95368E-08	5.82176E-13	1.74653E-13	2.90583E-13	2.90583E-14
541	571070.6	4178599	0.55, 41785	2.43201	2.20804	1.81695	323.32852	105.96293	523.5768	49.87717	32.54487	75.45431	1.52E-09	1.2E-07	3.67E-08	4.69E-13	1.42E-12	1.12E-12	3.56E-14	8.6E-13	4.75E-14	9.43102E-13	1.52E-09	1.1999E-07	3.67156E-08	4.79834E-13	1.4395E-13	2.395E-13	2.395E-14
542	571110.6	4178599	0.55, 41785	1.9361	1.83698	1.53551	285.52756	89.63178	395.42144	42.26506	28.59229	57.87538	1.26E-09	9.85E-08	3.06E-08	3.89E-13	1.18E-12	9.28E-13	2.95E-14	7.13E-13	3.94E-14	7.82389E-13	1.261E-09	9.8541E-08	3.06382E-08	3.98066E-13	1.1942E-13	1.98688E-13	1.98688E-14
543	571150.6	4178599	0.55, 41785	1.58315	1.55537	1.34493	182.41041	88.91432	301.39194	29.75311	25.20352	37.67392	1.07E-09	8.43E-08	2.13E-08	3.3E-13	9.95E-13	7.86E-13	2.5E-14	6.04E-13	3.33E-14	6.62444E-13	1.068E-09	8.4344E-08	2.13284E-08	3.3704E-13	1.01112E-13	1.68227E-13	1.68227E-14
544	571190.6	4178599	0.55, 41785	1.33739	1.33597	1.20735	189.26194	77.8274	237.13522	24.55337	21.99349	31.52399	9.2E-10	7.36E-08	1.76E-08	2.84E-13	8.57E-13	6.77E-13	2.15E-14	5.2E-13	2.87E-14	5.70657E-13	9.199E-10	7.3592E-08	1.76349E-08	2.90341E-13	8.71022E-14	1.44918E-13	1.44918E-14
545	571230.6	4178599	0.55, 41785	1.14183	1.1549	1.07779	177.02423	70.01737	247.02933	25.42204	18.83046	36.19826	7.97E-10	6.93E-08	1.85E-08	2.46E-13	7.43E-13	5.87E-13	1.87E-14	4.51E-13	2.49E-14	4.94411E-13	7.97E-10	6.9263E-08	1.8537E-08	2.51548E-13	7.54644E-14	1.25556E-13	1.25556E-14
546	571270.6	4178599	0.55, 41785	0.97959	1.00523	0.95378	160.46118	68.49541	236.51718	22.92303	16.81937	33.9008	6.94E-10	6.66E-08	1.68E-08	2.14E-13	6.47E-13	5.11E-13	1.63E-14	3.93E-13	2.17E-14	4.30544E-13	6.94E-10	6.6561E-08	1.68133E-08	2.19053E-13	6.5716E-14	1.09337E-13	1.09337E-14
547	571310.6	4178599	0.55, 41785	0.84011	0.87488	0.82502	131.92842	62.86665	193.55215	16.49105	15.16442	24.19402	6.03E-10	5.83E-08	1.21E-08	1.86E-13	5.62E-13	4.44E-13	1.41E-14	3.41E-13	1.88E-14	3.73985E-13	6.029E-10	5.8292E-08	1.20805E-08	1.90277E-13	5.70832E-14	9.49734E-14	9.49734E-15
548	571350.6	4178599	0.55, 41785	0.73896	0.77159	0.73066	149.85158	58.69155	153.82017	22.55392	13.49962	22.49489	5.32E-10	5.4E-08	1.57E-08	1.64E-13	4.96E-13	3.91E-13	1.25E-14	3.01E-13	1.66E-14	3.29903E-13	5.318E-10	5.3988E-08	1.56937E-08	1.67849E-13	5.03547E-14	8.37788E-14	8.37788E-15
549	571390.6	4178599	0.55, 41785	0.661	0.68563	0.66671	168.50279	56.32456	235.09945	24.41155	12.10471	32.40344	4.74E-10	6.02E-08	1.76E-08	1.46E-13	4.42E-13	3.49E-13	1.11E-14	2.68E-13	1.48E-14	2.94165E-13	4.742E-10	6.0194E-08	1.7616E-08	1.49666E-13	4.48999E-14	7.47032E-14	7.47032E-15
550	571430.6	4178599	0.55, 41785	0.59511	0.61204	0.61151	136.17098	51.76249	171.68803	20.03651	10.61326	24.28892	4.25E-10	5.07E-08	1.43E-08	1.31E-13	3.96E-13	3.13E-13	9.95E-15	2.4E-13	1.33E-14	2.63581E-13	4.249E-10	5.0682E-08	1.42785E-08	1.34106E-13	4.02317E-14	6.69364E-14	6.69364E-15
551	571470.6	4178599	0.55, 41785	0.53051	0.54561	0.54811	117.9441	47.17442	154.11151	16.84916	9.40387	22.01593	3.79E-10	4.56E-08	1.21E-08	1.17E-13	3.53E-13	2.79E-13	8.88E-15	2.14E-13	1.18E-14	2.35116E-13	3.79E-10	4.562E-08	1.21315E-08	1.19623E-13	3.5887E-14	5.97078E-14	5.97078E-15
552	571510.6	4178599	0.55, 41785	0.47218	0.48877	0.48576	120.07824	45.51387	145.12306	16.38718	8.49605	19.65912	3.39E-10	4.41E-08	1.17E-08	1.05E-13	3.16E-13	2.49E-13	7.94E-15	1.92E-13	1.06E-14	2.10249E-13	3.389E-10	4.4129E-08	1.16618E-08	1.06971E-13	3.20914E-14	5.33928E-14	5.33928E-15
553	571550.6	4178599	0.55, 41785	0.42043	0.43954	0.43052	119.99429	43.92883	151.34582	16.43506	7.56489	20.5622	3.04E-10	4.37E-08	1.18E-08	9.38E-14	2.83E-13	2.24E-13	7.12E-15	1.72E-13	9.49E-15	1.88604E-13	3.04E-10	4.373E-08	1.1762E-08	9.59584E-14	2.87875E-14	4.78959E-14	4.78959E-15
554	571590.6	4178599	0.55, 41785	0.37632	0.39688	0.38556	100.33698	42.40478	116.86516	13.86046	7.00095	16.11187	2.74E-10	3.9E-08	9.82E-09	8.46E-14	2.55E-13	2.02E-13	6.42E-15	1.55E-13	8.56E-15	1.70017E-13	2.741E-10	3.8959E-08	9.82335E-09	8.65015E-14	2.59504E-14	4.31757E-14	4.31757E-15
555	570310.6	4178639	0.55, 41786	0.10356	0.08559	0.09711	83.92303	29.66661	96.15389	10.49038	3.70833	12.01924	6.16E-11	2.92E-08	7.42E-09	1.9E-14	5.74E-14	4.53E-14	1.44E-15	3.48E-14	1.92E-15	3.82114E-14	6.16E-11	2.9239E-08	7.42118E-09	1.94413E-14	5.83239E-15	9.70377E-15	9.70377E-16
556	570350.6	4178639	0.55, 41786	0.1161	0.09716	0.10841	92.63397	32.60646	103.61771	11.57925	4.08084	12.95221	6.97E-11	3.2E-08	8.17E-09	2.15E-14	6.49E-14	5.13E-14	1.63E-15	3.94E-14	2.18E-15	4.32316E-14	6.969E-11	3.2E-08	8.16688E-09	2.19955E-14	6.59864E-15	1.09786E-14	1.09786E-15
557	570390.6	4178639	0.55, 41786	0.13068	0.11086	0.1215	100.54346	34.97331	116.66288	12.56793	4.70976	14.58286	7.92E-11	3.48E-08	8.91E-09	2.44E-14	7.38E-14	5.83E-14	1.86E-15	4.48E-14	2.47E-15	4.91515E-14	7.923E-11	3.4829E-08	8.90522E-09	2.50074E-14	7.50222E-15	1.2482E-14	1.2482E-15
558	570430.6	4178639	0.55, 41786	0.14929	0.12834	0.13819	107.49924	37.52244	130.89362	13.4374	5.36035	16.3617	9.14E-11	3.78E-08	9.58E-09	2.82E-14	8.52E-14	6.73E-14	2.14E-15	5.17E-14	2.85E-15	5.67044E-14	9.141E-11	3.7792E-08	9.58149E-09	2.88502E-14	8.65507E-15	1.44001E-14	1.44001E-15
559	570470.6	4178639	0.55, 41786	0.17443	0.15183	0.16061	116.62505	42.4162	145.19757	14.57813	6.05946	18.1497	1.08E-10	4.22E-08	1.04E-08	3.33E-14	1E-13	7.93E-14	2.52E-15	6.1E-14	3.37E-15	6.6859E-14	1.078E-10	4.2198E-08	1.04261E-08	3.40167E-14	1.0205E-14	1.69788E-14	1.69788E-15
560	570510.6	4178639	0.55, 41786	0.20768	0.18277	0.19013	127.00459	48.18252	156.06863	15.87557	6.71257	19.50858	1.29E-10	4.69E-08	1.13E-08	3.99E-14	1.21E-13	9.52E-14	3.03E-15	7.32E-14	4.04E-15	8.02388E-14	1.293E-10	4.6899E-08	1.13339E-08	4.08241E-14	1.22472E-14	2.03766E-14	2.03766E-15
561	570550.6	4178639	0.55, 41786	0.2504	0.22269	0.22841	148.76746	59.99627	172.72318	18.59593	7.58374	21.5904	1.57E-10	5.61E-08	1.32E-08	4.85E-14	1.46E-13	1.16E-13	3.68E-15	8.89E-14	4.91E-15	9.75044E-14	1.572E-10	5.6123E-08	1.31775E-08	4.96086E-14	1.48826E-14	2.47612E-14	2.47612E-15
562	570590.6	4178639	0.55, 41786	0.30521	0.27478	0.27907	162.38276	69.4472	222.88998	20.29784	10.74133	27.86125	1.93E-10	6.61E-08	1.47E-08	5.97E-14	1.8E-13	1.42E-13	4.53E-15	1.09E-13	6.04E-15	1.20032E-13	1.935E-10	6.6144E-08	1.47192E-08	6.10701E-14	1.8321E-14	3.0482E-14	3.0482E-15
563	570630.6	4178639	0.55, 41786	0.37839	0.34592	0.35098	177.15033	78.68271	266.26636	23.7109	14.16715	33.28329	2.43E-10	7.56E-08	1.73E-08	7.5E-14	2.27E-13	1.79E-13	5.7E-15	1.38E-13	7.59E-15	1.50865E-13	2.432E-10	7.5587E-08	1.72519E-08	7.67574E-14	2.30272E-14	3.83121E-14	3.83121E-15

564	570670.6	4178639	0.55, 41786	0.47152	0.44129	0.44999	194.04584	86.02037	313.51443	27.72083	17.24466	39.1893	3.1E-10	8.44E-08	2.02E-08	9.56E-14	2.89E-13	2.28E-13	7.25E-15	1.75E-13	9.67E-15	1.92133E-13	3.097E-10	8.4412E-08	2.01911E-08	9.77539E-14	2.93262E-14	4.87921E-14	4.87921E-15
565	570710.6	4178639	0.55, 41786	0.59058	0.57043	0.57865	207.44684	93.90742	372.29223	29.63526	21.88085	53.1846	3.99E-10	9.42E-08	2.25E-08	1.23E-13	3.72E-13	2.94E-13	9.34E-15	2.26E-13	1.25E-14	2.47478E-13	3.989E-10	9.4224E-08	2.2468E-08	1.25913E-13	3.77738E-14	6.2847E-14	6.2847E-15
566	570750.6	4178639	0.55, 41786	0.7421	0.74424	0.7234	219.27007	107.04803	379.32522	31.3243	27.05481	52.15596	5.16E-10	1.03E-07	2.34E-08	1.59E-13	4.81E-13	3.8E-13	1.21E-14	2.92E-13	1.61E-14	3.20251E-13	5.163E-10	1.0281E-07	2.34312E-08	1.62938E-13	4.88815E-14	8.13277E-14	8.13277E-15
567	570790.6	4178639	0.55, 41786	0.94425	0.97087	0.85006	237.37937	117.94026	412.19598	33.01145	30.70173	55.76703	6.65E-10	1.13E-07	2.48E-08	2.05E-13	6.19E-13	4.89E-13	1.56E-14	3.76E-13	2.08E-14	4.12307E-13	6.647E-10	1.1256E-07	2.47559E-08	2.09775E-13	6.29324E-14	1.04705E-13	1.04705E-14
568	570830.6	4178639	0.55, 41786	1.23329	1.33292	0.96284	295.25944	130.22679	473.13116	42.69044	39.99654	61.26658	8.93E-10	1.28E-07	3.12E-08	2.75E-13	8.32E-13	6.57E-13	2.09E-14	5.05E-13	2.79E-14	5.53712E-13	8.926E-10	1.2777E-07	3.11661E-08	2.81719E-13	8.45157E-14	1.40615E-13	1.40615E-14
569	570870.6	4178639	0.55, 41786	1.50989	1.73214	1.20169	317.24906	188.19869	615.93486	58.25942	53.82297	76.99186	1.15E-09	1.72E-07	4.2E-08	3.55E-13	1.07E-12	8.47E-13	2.69E-14	6.51E-13	3.59E-14	7.13552E-13	1.15E-09	1.725E-07	4.20149E-08	3.63043E-13	1.08913E-13	1.81206E-13	1.81206E-14
570	570910.6	4178639	0.55, 41786	1.78259	1.99297	1.30656	332.58479	179.86407	638.76492	63.94152	52.98497	79.84561	1.32E-09	1.71E-07	4.57E-08	4.07E-13	1.23E-12	9.72E-13	3.09E-14	7.47E-13	4.12E-14	8.19069E-13	1.32E-09	1.7061E-07	4.57487E-08	4.16728E-13	1.25018E-13	2.08002E-13	2.08002E-14
571	570950.6	4178639	0.55, 41786	1.86524	1.94862	1.2876	326.77204	147.92341	425.10208	57.64661	41.4452	82.66786	1.3E-09	1.36E-07	4.21E-08	4.01E-13	1.21E-12	9.56E-13	3.04E-14	7.35E-13	4.06E-14	8.06078E-13	1.299E-09	1.3581E-07	4.20799E-08	4.10119E-13	1.23036E-13	2.04703E-13	2.04703E-14
572	570990.6	4178639	0.55, 41786	1.76592	1.78245	1.25006	311.73236	122.31574	573.48464	43.80696	33.57582	91.70195	1.2E-09	1.32E-07	3.42E-08	3.7E-13	1.12E-12	8.82E-13	2.81E-14	6.78E-13	3.74E-14	7.43161E-13	1.198E-09	1.3225E-07	3.42351E-08	3.78107E-13	1.13432E-13	1.88725E-13	1.88725E-14
573	571030.6	4178639	0.55, 41786	1.5977	1.58915	1.17717	263.38378	106.70114	334.97263	40.88022	26.80487	57.79917	1.07E-09	1.02E-07	2.98E-08	3.32E-13	1E-12	7.91E-13	2.52E-14	6.08E-13	3.36E-14	6.6651E-13	1.074E-09	1.0191E-07	2.97766E-08	3.39109E-13	1.01733E-13	1.6926E-13	1.6926E-14
574	571070.6	4178639	0.55, 41786	1.42629	1.41473	1.18099	323.91584	92.06505	516.79706	44.84431	24.93328	64.76299	9.67E-10	1.12E-07	3.28E-08	2.98E-13	9.01E-13	7.12E-13	2.26E-14	5.47E-13	3.02E-14	5.9996E-13	9.672E-10	1.1178E-07	3.27702E-08	3.05249E-13	9.15748E-14	1.5236E-13	1.5236E-14
575	571110.6	4178639	0.55, 41786	1.27265	1.25146	1.07066	231.49813	85.11921	353.08688	34.4516	22.95032	48.16161	8.58E-10	8.93E-08	2.51E-08	2.65E-13	8E-13	6.32E-13	2.01E-14	4.86E-13	2.68E-14	5.32405E-13	8.583E-10	8.9347E-08	2.50512E-08	2.70878E-13	8.12635E-14	1.35204E-13	1.35204E-14
576	571150.6	4178639	0.55, 41786	1.10067	1.1079	0.9372	235.36335	78.49538	345.02109	33.92291	20.75102	48.66179	7.57E-10	8.53E-08	2.48E-08	2.34E-13	7.06E-13	5.57E-13	1.77E-14	4.28E-13	2.36E-14	4.69806E-13	7.573E-10	8.528E-08	2.47636E-08	2.39029E-13	7.17088E-14	1.19307E-13	1.19307E-14
577	571190.6	4178639	0.55, 41786	0.96404	0.98605	0.85109	150.10185	73.9658	197.92558	22.00887	18.66835	28.93746	6.74E-10	6.59E-08	1.59E-08	2.08E-13	6.28E-13	4.96E-13	1.58E-14	3.82E-13	2.11E-14	4.18354E-13	6.744E-10	6.5934E-08	1.58605E-08	2.12851E-13	6.38554E-14	1.06241E-13	1.06241E-14
578	571230.6	4178639	0.55, 41786	0.85847	0.87787	0.78438	130.71922	65.23747	181.52397	20.98447	16.26127	28.21366	6.03E-10	5.86E-08	1.52E-08	1.86E-13	5.61E-13	4.43E-13	1.41E-14	3.41E-13	1.88E-14	3.73757E-13	6.025E-10	5.8593E-08	1.5171E-08	1.90161E-13	5.70483E-14	9.49154E-14	9.49154E-15
579	571270.6	4178639	0.55, 41786	0.76521	0.78388	0.72231	147.71702	61.52416	210.17535	22.46264	14.29709	35.02922	5.4E-10	5.98E-08	1.66E-08	1.67E-13	5.03E-13	3.97E-13	1.26E-14	3.05E-13	1.69E-14	3.3475E-13	5.396E-10	5.9833E-08	1.66171E-08	1.70315E-13	5.10946E-14	8.50097E-14	8.50097E-15
580	571310.6	4178639	0.55, 41786	0.67814	0.70066	0.65218	136.41117	59.8434	199.34802	17.34958	13.40052	24.9185	4.82E-10	5.73E-08	1.27E-08	1.49E-13	4.5E-13	3.55E-13	1.13E-14	2.73E-13	1.51E-14	2.99303E-13	4.825E-10	5.7346E-08	1.26676E-08	1.5228E-13	4.56841E-14	7.6008E-14	7.6008E-15
581	571350.6	4178639	0.55, 41786	0.60279	0.6273	0.58324	124.67819	56.4143	162.56927	15.58477	12.33978	20.32116	4.32E-10	5.18E-08	1.12E-08	1.33E-13	4.02E-13	3.18E-13	1.01E-14	2.44E-13	1.35E-14	2.67765E-13	4.316E-10	5.1833E-08	1.12178E-08	1.36234E-13	4.08703E-14	6.7999E-14	6.7999E-15
582	571390.6	4178639	0.55, 41786	0.54567	0.56561	0.53406	134.64293	53.30447	146.45838	19.4501	11.04071	20.47738	3.9E-10	4.95E-08	1.36E-08	1.2E-13	3.63E-13	2.87E-13	9.13E-15	2.21E-13	1.22E-14	2.41913E-13	3.9E-10	4.947E-08	1.36182E-08	1.23081E-13	3.69244E-14	6.14338E-14	6.14338E-15
583	571430.6	4178639	0.55, 41786	0.50035	0.51255	0.49968	147.79016	50.85435	197.85336	20.77571	9.97795	26.64502	3.55E-10	5.29E-08	1.49E-08	1.1E-13	3.31E-13	2.61E-13	8.31E-15	2.01E-13	1.11E-14	2.20209E-13	3.55E-10	5.2949E-08	1.49194E-08	1.12039E-13	3.36116E-14	5.59221E-14	5.59221E-15
584	571470.6	4178639	0.55, 41786	0.45884	0.46513	0.46599	118.76181	47.03177	145.5886	16.94782	8.9119	19.9832	3.23E-10	4.49E-08	1.2E-08	9.98E-14	3.01E-13	2.38E-13	7.57E-15	1.83E-13	1.01E-14	2.00629E-13	3.234E-10	4.4926E-08	1.20335E-08	1.02077E-13	3.0623E-14	5.09498E-14	5.09498E-15
585	571510.6	4178639	0.55, 41786	0.41516	0.4204	0.42431	105.04191	43.02213	132.76114	15.00599	7.61313	18.96588	2.93E-10	4.08E-08	1.08E-08	9.03E-14	2.73E-13	2.15E-13	6.85E-15	1.66E-13	9.14E-15	1.81505E-13	2.926E-10	4.0838E-08	1.07542E-08	9.23465E-14	2.77039E-14	4.60931E-14	4.60931E-15
586	571550.6	4178639	0.55, 41786	0.37489	0.38245	0.3824	101.59712	41.64808	125.74417	13.25702	7.0054	15.71802	2.66E-10	3.93E-08	9.42E-09	8.2E-14	2.48E-13	1.96E-13	6.22E-15	1.5E-13	8.3E-15	1.64837E-13	2.657E-10	3.9311E-08	9.41972E-09	8.38661E-14	2.51598E-14	4.18603E-14	4.18603E-15
587	571590.6	4178639	0.55, 41786	0.33863	0.34937	0.34405	106.83121	40.48294	130.44071	14.45913	6.53587	17.55635	2.42E-10	3.94E-08	1.03E-08	7.47E-14	2.26E-13	1.78E-13	5.67E-15	1.37E-13	7.56E-15	1.50175E-13	2.421E-10	3.9359E-08	1.03062E-08	7.64063E-14	2.29219E-14	3.81368E-14	3.81368E-15
588	570310.6	4178679	0.55, 41786	0.10291	0.0869	0.09701	88.39628	30.98258	103.31105	11.04953	4.21243	12.91388	6.23E-11	3.08E-08	7.84E-09	1.92E-14	5.8E-14	4.58E-14	1.46E-15	3.52E-14	1.94E-15	3.86326E-14	6.228E-11	3.0809E-08	7.83659E-09	1.96556E-14	5.89668E-15	9.81074E-15	9.81074E-16
589	570350.6	4178679	0.55, 41786	0.11574	0.09888	0.10892	93.23081	33.32166	112.3331	11.65385	4.76024	14.04164	7.07E-11	3.31E-08	8.3E-09	2.18E-14	6.58E-14	5.2E-14	1.65E-15	4E-14	2.21E-15	4.38349E-14	7.066E-11	3.3116E-08	8.29813E-09	2.23024E-14	6.69073E-15	1.11319E-14	1.11319E-15
590	570390.6	4178679	0.55, 41786	0.13137	0.11361	0.12342	99.39798	36.831	119.21549	12.42475	5.26157	14.90194	8.1E-11	3.6E-08	8.84E-09	2.5E-14	7.54E-14	5.96E-14	1.9E-15	4.58E-14	2.53E-15	5.02187E-14	8.095E-11	3.5988E-08	8.8417E-09	2.55504E-14	7.66512E-15	1.2753E-14	1.2753E-15
591	570430.6	4178679	0.55, 41786	0.15074	0.13191	0.14135	105.99103	39.73692	126.723	13.24888	5.6767	15.84037	9.37E-11	3.86E-08	9.42E-09	2.89E-14	8.73E-14	6.9E-14	2.2E-15	5.3E-14	2.93E-15	5.81437E-14	9.373E-11	3.8601E-08	9.42425E-09	2.95825E-14	8.87476E-15	1.47656E-14	1.47656E-15
592	570470.6	4178679	0.55, 41786	0.17494	0.15487	0.16378	121.69462	47.75873	135.7735	15.21183	5.96984	16.97169	1.1E-10	4.47E-08	1.07E-08	3.39E-14	1.02E-13	8.08E-14	2.57E-15	6.21E-14	3.43E-15	6.80797E-14	1.097E-10	4.4745E-08	1.07255E-08	3.46378E-14	1.03913E-14	1.72888E-14	1.72888E-15
593	570510.6	4178679	0.55, 41786	0.2057	0.18414	0.19253	135.37794	56.46386	170.3708	16.92224	7.12807	21.29635	1.3E-10	5.31E-08	1.21E-08	4.02E-14	1.21E-13	9.58E-14	3.05E-15	7.36E-14	4.06E-15	8.07504E-14	1.302E-10	5.314E-08	1.21204E-08	4.10844E-14	1.23253E-14	2.05065E-14	2.05065E-15
594	570550.6	4178679	0.55, 41786	0.2434	0.22078	0.22908	142.10791	62.60325	200.29273	17.76349	9.55219	25.03659	1.56E-10	5.93E-08	1.29E-08	4.81E-14	1.45E-13	1.15E-13	3.65E-15	8.81E-14	4.86E-15	9.66074E-14	1.557E-10	5.9309E-08	1.29325E-08	4.91522E-14	1.47456E-14	2.45334E-14	2.45334E-15
595	570590.6	4178679	0.55, 41786	0.29132	0.2684	0.27784	157.44437	70.02377	210.9671	21.20731	12.01595	26.37089	1.89E-10	6.52E-08	1.52E-08	5.83E-14	1.76E-13	1.39E-13	4.43E-15	1.07E-13	5.9E-15	1.17235E-13	1.89E-10	6.5223E-08	1.51647E-08	5.96474E-14	1.78942E-14	2.97719E-14	2.97719E-15
596	570630.6	4178679	0.55, 41786	0.34871	0.32823	0.33909	170.78411	74.6949	263.98396	24.39773	14.09383	33.40233	2.31E-10	7.28E-08	1.77E-08	7.12E-14	2.15E-13	1.7E-13	5.4E-15	1.3E-13	7.2E-15	1.43043E-13	2.306E-10	7.2796E-08	1.76855E-08	7.27777E-14	2.18333E-14	3.63257E-14	3.63257E-15
597	570670.6	4178679	0.55, 41786	0.41782	0.40379	0.41108	181.29369	80.27499	295.25985	25.8991	15.99045	42.12286	2.82E-10	7.9E-08	1.93E-08	8.72E-14	2.63E-13	2.08E-13	6.62E-15	1.6E-13	8.82E-15	1.75244E-13	2.825E-10	7.8997E-08	1.92949E-08	8.91613E-14	2.67484E-14	4.45033E-14	4.45033E-15
598	570710.6	4178679	0.55, 41786	0.49876	0.49687	0.48618	185.88712	90.92914	287.65142	26.5553	19.21501	39.31628	3.45E-10	8.46E-08	1.95E-08	1.06E-13	3.22E-13	2.54E-13	8.08E-15	1.95E-13	1.08E-14	2.14091E-13	3.451E-10	8.4606E-08	1.94809E-08	1.08926E-13	3.26778E-14	5.43684E-14	5.43684E-15
599	570750.6	4178679	0.55, 41786	0.59336	0.60818	0.55751	195.07014	97.11431	330.72411	27.40212	20.89244	45.57898	4.18E-10	9.2E-08	2.05E-08	1.29E-13	3.9E-13	3.08E-13	9.8E-15	2.37E-13	1.31E-14	2.59565E-13	4.184E-10	9.1982E-08	2.04937E-08	1.32062E-13	3.96187E-14	6.59165E-14	6.59165E-15
600	570790.6	4178679	0.55, 41786	0.71288	0.74367	0.61675	232.56486	100.08812	327.08033	29.70634	25.09865	40.88504	5.06E-10	9.57E-08	2.16E-08	1.56E-13	4.71E-13	3.72E-13	1.18E-14	2.86E-13	1.58E-14	3.1375E-13	5.058E-10	9.5693E-08	2.15505E-08	1.5963E-13	4.78891E-14	7.96766E-14	7.96766E-15
601	570830.6	4178679	0.55, 41786	0.82835	0.8948	0.66469	250.25968	113.32691	367.70207	36.36599	33.16876	46.21837	6.01E-10	1.07E-07	2.61E-08	1.85E-13	5.6E-13	4.42E-13	1.41E-14	3.4E-13	1.88E-14	3.72617E-13	6.007E-10	1.0733E-07	2.60821E-08	1.89581E-13	5.68743E-14	9.46259E-14	9.46259E-15
602	570870.6	4178679	0.55, 41786	0.92801	1.04065	0.83445	269.45277	158.88347	492.55659	39.41339	35.15016	62.53118	7.01E-10	1.44E-07	2.92E-08	2.16E-13	6.53E-13	5.16E-13	1.64E-14	3.97E-13	2.19E-14	4.34959E-13	7.012E-10	1.4359E-07	2.92402E-08	2.21299E-13	6.63898E-14	1.10458E-13	1.10458E-14
603	570910.6	4178679	0.55, 41786	1.03394	1.13081	0.83809	259.70616	144.94226	471.11442	42.20689	35.5523	58.8893	7.58E-10	1.34E-07	3.07E-08	2.34E-13	7.06E-13	5.58E-13	1.78E-14	4.29E-13	2.37E-14	4.70304E-13	7.581E-10	1.3356E-07	3.06815E-08	2.39282E-13	7.17847E-14	1.19433E-13	1.19433E-14
604	570950.6	4178679	0.55, 41786	1.05684	1.13643	0.82319	242.80014	123.49716	418.67106	39.92153	30.15323	58.18912	7.62E-10	1.16E-07	2.92E-08	2.35E-13	7.1E-13	5.6E-13	1.78E-14	4.31E-13	2.38E-14	4.72406E-13	7.615E-10	1.1649E-07	2.92147E-08	2.40352E-13	7.21055E-14	1.19967E-13	1.19967E-14
605	570990.6	4178679	0.55, 41786	1.01802	1.09421	0.82722	255.86386	105.93706	407.98363	37.15781	26.85338	67.99727	7.36E-10	1.07E-07	2.83E-08	2.27E-13	6.86E-13	5.42E-13	1.72E-14	4.16E-13	2.3E-14	4.56551E-13	7.36E-10	1.0672E-07	2.82738E-08	2.32285E-13	6.96855E-14	1.15941E-13	1.15941E-14
606	571030.6	4178679	0.55, 41786	0.98373	1.03259	0.8073	224.24787	96.85684	406.17161	32.03518	21.71644	50.77145	6.98E-10	9.96E-08	2.38E-08	2.15E-13	6.5E-13	5.14E-13	1.63E-14	3.95E-13	2.18E-14	4.33027E-13	6.981E-10	9.9561E-08	2.37622E-08	2.20317E-13	6.6095E-14	1.09967E-13	1.09967E-14
607	571070.6	4178679	0.55, 41786	0.92088	0.95493	0.77727	234.21131	81.25508	306.97474	29.84103	18.74017	38.37184	6.49E-10	8.38E-08	2.14E-08	2E-13	6.04E-13	4.77E-13	1.52E-14	3.67E-13	2.03E-14	4.02379E-13	6.486E-10	8.3766E-08	2.14372E-08	2.04724E-13	6.14171E-14	1.02184E-13	1.02184E-14
608	571110.6	4178679	0.55, 41786	0.85296	0.87816	0.75636	249.82687	76.90023	376.11255	32.83771	18.41049	47.06858	6E-10	8.77E-08	2.4E-08	1.85E-13	5.59E-13	4.42E-13	1.41E-14	3.39E-13	1.87E-14	3.72284E-13	6.001E-10	8.7729E-08	2.39686E-08	1.89412E-13	5.68235E-14	9.45414E-14	9.45414E-15
609	571150.6	4178679	0.55, 41786	0.78449	0.80428	0.7091	184.12399	71.8753	265.86204	26.94504	17.68151	37.98029	5.51E-10	7.22E-08	1.96E-08	1.7E-13	5.14E-13	4.06E-13	1.29E-14	3.12E-13	1.72E-14	3.41885E-13	5.511E-10	7.2211E-08	1.96173E-08	1.73945E-13	5.21836E-14	8.68217E-14	8.68217E-15
610	571190.6	4178679	0.55, 41786	0.70872	0.73542	0.64227	192.12547	69.23049	267.93218	27.25383	16.04767	37.1098	5.03E-10	7.14E-08	1.97E-08	1.55E-13	4.69E-13	3.7E-13	1.18E-14	2.85E-13	1.57E-14	3.11984E-13	5.029E-10	7.1405E-08	1.974E-08	1.58732E-13	4.76196E-14	7.92281E-14	7.92281E-15
611	571230.6	4178679	0.55, 41786	0.64141	0.6715	0.58509	152.95792	62.82263	210.7281	21.78847	14.44714	29.62503	4.59E-10	6.09E-08	1.58E-08	1.42E-13	4.27E-13	3.38E-13	1.07E-14	2.6E-13	1.43E-14	2.8458E-13	4.588E-10	6.0925E-08	1.57781E-08	1.44789E-13	4.34368E-14	7.2269E-14	7.2269E-15
612	571270.6	4178679	0.55, 41786	0.5854	0.61191	0.54631	124.65244	57.66905	171.62004	20.54509	12.75642	28.60334	4.19E-10	5.32E-08	1.49E-08	1.29E-13	3.91E-13	3.08E-13	9.82E-15	2.37E-13	1.31E-14	2.59998E-13	4.191E-10	5.3236E-08	1.493E-08	1.32283E-13	3.96848E-14	6.60265E-14	6.60265E-15
613	571310.6	4178679	0.55, 41786	0.53447	0.5582	0.50849	125.80787	55.1913	171.33448	17.97255	11.70277	24.47635	3.83E-10	5.19E-08	1.3E-08	1.18E-13	3.57E-13	2.82E-13	8.97E-15	2.17E-13	1.2E-14	2.37686E-13	3.832E-10	5.191E-08	1.30179E-08	1.20931E-13	3.62792E-14	6.03603E-14	6.03603E-15
614	571350.6	4178679	0.55, 41786	0.48504	0.50906	0.46427	111.39997	53.56601	157.83086	13.925	11.19981	19.72886	3.49E-10	4.91E-08	1.01E-08	1.08E-13	3.25E-13	2.57E-13	8.18E-15	1.98E-13	1.09E-14	2.16696E-13	3.493E-10	4.9051E-08	1.0146E-08	1.10251E-13	3.30753E-14	5.50299E-14	5.50299E-15
615	571390.6	4178679	0.55, 41786	0.44312	0.4655	0.42576	107.51836	51.27371	117.14548	13.43979	10.40254	14.64318	3.19E-10	4.44E-08	9.45E-09	9.86E-14	2.98E-13	2.35E-13	7.48E-15	1.81E-13	9.98E-15	1.98196E-13	3.195E-10	4.4355E-08	9.44863E-09	1.00839E-13	3.02516E-14	5.03319E-14	5.03319E-15
616	571430.6	4178679	0.55, 41786	0.41031	0.42684	0.39928	122.12368	48.88835	136.65658	17.23844	9.36082	18.91196	2.94E-10	4.55E-08	1.21E-08	9.07E-14	2.74E-13	2.16E-13	6.88E-15	1.66E-13	9.18E-15	1.82321E-13	2.939E-10	4.5469E-08	1.21294E-08	9.2762E-14	2.78286E-14	4.63005E-14	4.63005E-15
617	571470.6	4178679	0.55, 41786	0.38401	0.39267	0.38101	130.83453	46.56818	169.29762	18.03085	8.50414	22.62935	2.72E-10	4.73E-08	1.29E-08	8.39E-14	2.53E-13	2E-13	6.37E-15	1.54E-13	8.49E-15	1.68644E-13	2.719E-10	4.7276E-08	1.29096E-08	8.58031E-14	2.57409E-14	4.28271E-14	4.28271E-15
618	571510.6	4178679	0.55, 41786	0.35733	0.36026	0.36021	104.69184	43.30646	125.50481	14.57371	7.68103	16.95061	2.51E-10	4.04E-08	1.03E-08	7.73E-14	2.33E-13	1.84E-13	5.87E-15	1.42E-13	7.82E-15	1.55435E-13	2.506E-10	4.0407E-08	1.03296E-08	7.90828E-14	2.37248E-14	3.94728E-14	3.94728E-15
619	571550.6	4178679	0.55, 41786	0.32923	0.33046	0.33426	93.91251	40.06683	115.0705	13.41607	6.60436	16.43864	2.3E-10	3.71E-08	9.57E-09	7.1E-14	2.15E-13	1.69E-13	5.39E-15	1.3E-13	7.19E-15	1.42821E-13	2.302E-10	3.7118E-08	9.57432E-09	7.26649E-14	2.17995E-14	3.62694E-14	3.62694E-15
620	571590.6	4178679	0.55, 41786	0.30119	0.30402	0.3057	90.51235	37.8645	108.48539	11.49242	5.95997	13.56067	2.12E-10	3.52E-08	8.16E-09	6.53E-14	1.97E-13	1.56E-13	4.95E-15	1.2E-13	6.61E-15	1.3124E-13	2.116E-10	3.5168E-08	8.16079E-09	6.67727E-14	2.00318E-14	3.33284E-14	3.33284E-15
621	570310.6	4178719	0.55, 41787	0.10285	0.08839	0.09803	86.08959	31.99227	98.88317	10.7612	4.57032	12.3604	6.32E-11	3.09E-08	7.62E-09	1.95E-14	5.89E-14	4.65E-14	1.48E-15	3.57E-14	1.97E-15	3.9193E-14	6.318E-11	3.088E-08	7.61518E-09	1.99407E-14	5.98222E-15	9.95306E-15	9.95306E-16
622	570350.6	4178719	0.55, 41787	0.11563	0.10049	0.11012	90.6137	34.18211	105.82439	11.32671	4.88316	13.22805	7.16E-11	3.29E-08	8.03E-09	2.21E-14	6.68E-14	5.27E-14	1.68E-15	4.05E-14	2.24E-15	4.44434E-14	7.164E-11	3.2921E-08	8.03241E-09	2.2612E-14	6.78361E-15	1.12864E-14	1.12864E-15
623	570390.6	4178719	0.55, 41787	0.13114	0.11521	0.12472	102.01088	38.97546	110.90458	12.75136	5.08393	13.86307	8.19E-11	3.67E-08	8.96E-09	2.53E-14	7.63E-14	6.03E-14	1.92E-15	4.63E-14	2.56E-15	5.0824E-14	8.193E-11	3.6693E-08	8.96229E-09	2.58584E-14	7.75751E-15	1.29067E-14	1.29067E-15
624	570430.6	4178719	0.55, 41787	0.15	0.13322	0.1425	114.28488	46.41789	135.81295	14.28561	5.80224	16.97662	9.45E-11	4.35E-08	1.02E-08	2.92E-14	8.8E-14	6.96E-14	2.21E-15	5.35E-14	2.95E-15	5.86221E-14	9.45E-11	4.3541E-08	1.01536E-08	2.98259E-14	8.94777E-15	1.48871E-14	1.48871E-15
625	570470.6	4178719	0.55, 41787	0.17288	0.1553	0.16447	122.16306	52.59309	158.80652	15.27038	6.67803	19.85082	1.1E-10	4.93E-08	1.1E-08	3.39E-14	1.02E-13	8.09E-14	2.57E-15	6.22E-14	3.43E-15	6.81814E-14	1.099E-10	4.926E-08	1.09868E-08	3.46895E-14	1.04069E-14	1.73146E-14	1.73146E-15
626	570510.6	4178719	0.55, 41787	0.1999	0.18201	0.19124	126.87173	56.8638	170.00598	15.85897	8.56143	21.25075	1.29E-10	5.28E-08	1.15E-08	3.97E-14	1.2E-13	9.46E-14	3.01E-15	7.27E-14	4.01E-15	7.9729E-14	1.285E-10	5.2801E-08	1.14599E-08	4.05648E-14	1.21694E-14	2.02472E-14	2.02472E-15
627	570550.6	4178719	0.55, 41787	0.2328	0.21534	0.22528	141.7684	62.68438	190.3461	19.27806	10.36338	23.79326	1.52E-10	5.86E-08	1.38E-08	4.68E-14	1.41E-13	1.12E-13	3.55E-15	8.58E-14	4.74E-15	9.41379E-14	1.518E-10	5.8555E-08	1.37711E-08	4.78957E-14	1.43687E-14	2.39063E-14	2.39063E-15
628	570590.6	4178719	0.55, 41787	0.2704	0.25529	0.2651	152.6333	65.86327	220.26265	21.80476	11.76563	29.62209	1.79E-10	6.33E-08	1.58E-08	5.54E-14	1.67E-13	1.32E-13	4.2E-15	1.01E-13	5.6E-15	1.1129E-13	1.794E-10	6.3339E-08	1.57879E-08	5.66223E-14	1.69867E-14	2.8262E-14	2.8262E-15
629	570630.6	4178719	0.55, 41787	0.31352	0.30328	0.30884	160.25221	70.5161	243.59554	22.89317	12.52474	34.32359	2.12E-10	6.82E-08	1.68E-08	6.55E-14	1.98E-13	1.56E-13	4.97E-15	1.2E-13	6.63E-15	1.31616E-13	2.122E-10	6.8223E-08	1.68279E-08	6.69638E-14	2.00891E-14	3.34238E-14	3.34238E-15
630	570670.6	4178719	0.55, 41787	0.36149	0.3594	0.35242	159.13882	79.23774	228.99362	22.73412	14.05012	31.24302	2.5E-10	7.19E-08	1.65E-08	7.71E-14	2.33E-13	1.84E-13	5.85E-15	1.41E-13	7.8E-15	1.54923E-13	2.497E-10	7.1855E-08	1.64889E-08	7.8822E-14	2.36466E-14	3.93426E-14	3.93426E-15
631	570710.6	4178719	0.55, 41787	0.41184	0.42167	0.39325	168.39934	82.78202	268.08178	23.84947	15.22445	37.49142	2.91E-10	7.75E-08	1.77E-08	8.97E-14	2.71E-13	2.14E-13	6.81E-15	1.64E-13	9.08E-15	1.80307E-13	2.907E-10	7.7458E-08	1.76664E-08	9.17372E-14	2.75212E-14	4.5789E-14	4.5789E-15
632	570750.6	4178719	0.55, 41787	0.46631	0.48852	0.43046	193.26616	81.97611	266.60906	24.83922	16.78199	33.32613	3.34E-10	7.85E-08	1.8E-08	1.03E-13	3.11E-13	2.46E-13	7.82E-15	1.89E-13	1.04E-14	2.07254E-13	3.341E-10	7.8451E-08	1.79524E-08	1.05447E-13	3.16342E-14	5.26321E-14	5.26321E-15
633	570790.6	4178719	0.55, 41787	0.5297	0.5627	0.45402	208.56721	92.88706	267.98327	26.09236	23.00092	33.50993	3.81E-10	8.56E-08	1.87E-08	1.18E-13	3.55E-13	2.8E-13	8.92E-15	2.16E-13	1.19E-14	2.3641E-13	3.811E-10	8.5574E-08	1.8741E-08	1.20281E-13	3.60844E-14	6.00362E-14	6.00362E-15
634	570830.6	4178719	0.55, 41787	0.58417	0.63922	0.49731	206.25232	102.59816	258.13483	28.9378	25.69667	32.26685	4.3E-10	9.01E-08	2.04E-08	1.33E-13	4.01E-13	3.17E-13	1.01E-14	2.43E-13	1.34E-14	2.66983E-13	4.304E-10	9.0052E-08	2.04019E-08	1.35836E-13	4.07508E-14	6.78001E-14	6.78001E-15
635	570870.6	4178719	0.55, 41787	0.63384	0.71183	0.60618	208.40577	136.85909	408.7133	28.70976	24.7437	51.08916	4.82E-10	1.21E-07	2.17E-08	1.49E-13	4.49E-13	3.55E-13	1.13E-14	2.73E-13	1.51E-14	2.99202E-13	4.823E-10	1.2098E-07	2.17324E-08	1.52229E-13	4.56687E-14	7.59823E-14	7.59823E-15
636	570910.6	4178719	0.55, 41787	0.68401	0.75343	0.58123	211.07044	124.31957	366.90455	30.70854	25.49482	45.86307	5.07E-10	1.11E-07	2.26E-08	1.56E-13	4.72E-13	3.73E-13	1.19E-14	2.87E-13	1.58E-14	3.14269E-13	5.066E-10	1.1092E-07	2.25588E-08	1.59895E-13	4.79684E-14	7.98086E-14	7.98086E-15
637	570950.6	4178719	0.55, 41787	0.69007	0.76497	0.57081	207.10313	108.18225	376.87466	30.79195	24.65468	47.10933	5.13E-10	1.02E-07	2.27E-08	1.58E-13	4.78E-13	3.77E-13	1.2E-14	2.9E-13	1.6E-14	3.17975E-13	5.126E-10	1.0249E-07	2.27078E-08	1.6178E-13	4.8534E-14	8.07496E-14	8.07496E-15
638	570990.6	4178719	0.55, 41787	0.68048	0.74999	0.58632	206.58356	95.47159	294.44278	32.17827	21.60129	36.80535	5.05E-10	8.9E-08	2.28E-08	1.56E-13	4.7E-13	3.72E-13	1.18E-14	2.86E-13	1.58E-14	3.13194E-13	5.049E-10	8.8954E-08	2.27589E-08	1.59348E-13	4.78043E-14	7.95356E-14	7.95356E-15
639	571030.6	4178719	0.55, 41787	0.66194	0.72353	0.59736	210.3532	86.11281	328.15995	30.372	18.42489	51.15716	4.9E-10	8.66E-08	2.28E-08	1.51E-13	4.56E-13	3.61E-13	1.15E-14	2.77E-13	1.53E-14	3.03895E-13	4.899E-10	8.6628E-08	2.27647E-08	1.54617E-13	4.6385E-14	7.71741E-14	7.71741E-15
640	571070.6	4178719	0.55, 41787	0.64029	0.68839	0.56269	181.70859	76.31707	252.84162	22.73215	15.52213	31.6052	4.66E-10	7.35E-08	1.65E-08	1.44E-13	4.34E-13	3.43E-13	1.09E-14	2.64E-13	1.46E-14	2.89269E-13	4.663E-10	7.3509E-08	1.6516E-08	1.47175E-13	4.41525E-14	7.34597E-14	7.34597E-15
641	571110.6	4178719	0.55, 41787	0.60626	0.64543	0.53034	207.95149	70.27092	268.27126	26.16426	14.32632	33.53391	4.38E-10	7.3E-08	1.88E-08	1.35E-13	4.08E-13	3.22E-13	1.03E-14	2.48E-13	1.37E-14	2.7158E-13	4.378E-10	7.2999E-08	1.87873E-08	1.38175E-13	4.14526E-14	6.89678E-14	6.89678E-15
642	571150.6	4178719	0.55, 41787	0.57256	0.60327	0.52806	200.64391	66.12781	289.68563	25.68735	14.52342	36.23202	4.12E-10	7.19E-08	1.87E-08	1.27E-13	3.84E-13	3.03E-13	9.65E-15	2.33E-13	1.29E-14	2.55639E-13	4.121E-10	7.1915E-08	1.87036E-08	1.30065E-13	3.90194E-14	6.49194E-14	6.49194E-15
643	571190.6	4178719	0.55, 41787	0.53842	0.56251	0.50995	154.3512	63.9477	213.38711	22.19645	14.00077	30.48387	3.86E-10	6.18E-08	1.61E-08	1.19E-13	3.6E-13	2.84E-13	9.04E-15	2.18E-13	1.21E-14	2.39395E-13	3.859E-10	6.1845E-08	1.60973E-08	1.218E-13	3.654E-14	6.07942E-14	6.07942E-15
644	571230.6	4178719	0.55, 41787	0.49735	0.52247	0.4676	159.72675	60.41971	199.28282	22.34048	12.75874	27.30767	3.58E-10	5.91E-08	1.59E-08	1.1E-13	3.33E-13	2.63E-13	8.38E-15	2.02E-13	1.12E-14	2.21955E-13	3.578E-10	5.9119E-08	1.5938E-08	1.12927E-13	3.3878E-14	5.63653E-14	5.63653E-15
645	571270.6	4178719	0.55, 41787	0.45612	0.4836	0.42898	144.14128	55.22387	195.55309	20.17616	11.51496	26.9261	3.31E-10	5.5E-08	1.46E-08	1.02E-13	3.08E-13	2.43E-13	7.74E-15	1.87E-13	1.03E-14	2.05092E-13	3.306E-10	5.4968E-08	1.45709E-08	1.04347E-13	3.13042E-14	5.20831E-14	5.20831E-15
646	571310.6	4178719	0.55, 41787	0.42006	0.44717	0.39945	118.44349	52.26024	154.81704	17.97136	10.56882	25.80284	3.06E-10	4.85E-08	1.31E-08	9.44E-14	2.85E-13	2.25E-13	7.16E-15	1.73E-13	9.55E-15	1.89711E-13	3.058E-10	4.8531E-08	1.31209E-08	9.65219E-14	2.89566E-14	4.81771E-14	4.81771E-15
647	571350.6	4178719	0.55, 41787	0.38785	0.41385	0.37184	109.17018	50.24459	147.83356	14.07795	10.0186	18.4792	2.83E-10	4.63E-08	1.01E-08	8.74E-14	2.64E-13	2.08E-13	6.63E-15	1.6E-13	8.84E-15	1.75645E-13	2.831E-10	4.6285E-08	1.01428E-08	8.93649E-14	2.68095E-14	4.46049E-14	4.46049E-15
648	571390.6	4178719	0.55, 41787	0.35875	0.38356	0.34391	87.70597	48.80309	113.13015	10.96325	9.64341	14.14127	2.62E-10	4.14E-08	7.88E-09	8.09E-14	2.44E-13	1.93E-13	6.14E-15	1.48E-13	8.19E-15	1.62727E-13	2.623E-10	4.143E-08	7.87922E-09	8.27925E-14	2.48378E-14	4.13244E-14	4.13244E-15
649	571430.6	4178719	0.55, 41787	0.33385	0.35563	0.32061	80.9107	47.09106	69.47289	11.59229	8.99084	10.76512	2.43E-10	3.66E-08	8E-09	7.51E-14	2.27E-13	1.79E-13	5.7E-15	1.38E-13	7.6E-15	1.51009E-13	2.434E-10	3.6642E-08	8.00397E-09	7.68309E-14	2.30493E-14	3.83488E-14	3.83488E-15
650	571470.6	4178719	0.55, 41787	0.31507	0.33052	0.30587	111.40642	45.19171	126.48359	15.57659	8.16367	17.53078	2.27E-10	4.2E-08	1.1E-08	7.01E-14	2.12E-13	1.67E-13	5.32E-15	1.29E-13	7.09E-15	1.40916E-13	2.272E-10	4.195E-08	1.09946E-08	7.16955E-14	2.15087E-14	3.57855E-14	3.57855E-15
651	571510.6	4178719	0.55, 41787	0.29891	0.30701	0.29518	116.70467	43.07153	146.87884	15.95519	7.46065	19.6972	2.12E-10	4.27E-08	1.14E-08	6.55E-14	1.98E-13	1.56E-13	4.97E-15	1.2E-13	6.63E-15	1.31672E-13	2.123E-10	4.2699E-08	1.13979E-08	6.69922E-14	2.00977E-14	3.34379E-14	3.34379E-15
652	571550.6	4178719	0.55, 41787	0.28299	0.28542	0.28355	93.20798	40.2806	109.70993	12.81909	6.80365	14.78577	1.98E-10	3.68E-08	9.08E-09	6.12E-14	1.85E-13	1.46E-13	4.65E-15	1.12E-13	6.19E-15	1.23052E-13	1.984E-10	3.6774E-08	9.07626E-09	6.26069E-14	1.87821E-14	3.12491E-14	3.12491E-15
653	571590.6	4178719	0.55, 41787	0.2649	0.26495	0.26753	84.18961	37.57199	100.50298	12.02709	5.93847	14.35757	1.85E-10	3.4E-08	8.55E-09	5.7E-14	1.72E-13	1.36E-13	4.32E-15	1.04E-13	5.76E-15	1.14522E-13	1.846E-10	3.3986E-08	8.55344E-09	5.82669E-14	1.74801E-14	2.90829E-14	2.90829E-15
654	570310.6	4178759	0.55, 41787	0.10291	0.08971	0.0989	86.89901	32.22927	93.76167	10.86238	4.40505	11.72021	6.4E-11	3.07E-08	7.63E-09	1.97E-14	5.96E-14	4.71E-14	1.5E-15	3.62E-14	2E-15	3.96923E-14	6.399E-11	3.0661E-08	7.62765E-09	2.01948E-14	6.05843E-15	1.00798E-14	1.00798E-15
655	570350.6	4178759	0.55, 41787	0.11544	0.10167	0.11074	97.89636	38.6449	111.66772	12.23704	4.83061	13.95846	7.23E-11	3.63E-08	8.65E-09	2.23E-14	6.74E-14	5.32E-14	1.69E-15	4.09E-14	2.26E-15	4.48726E-14	7.234E-11	3.6312E-08	8.65196E-09	2.28304E-14	6.84912E-15	1.13954E-14	1.13954E-15
656	570390.6	4178759	0.55, 41787	0.13027	0.11595	0.12485	105.67733	44.34348	129.76492	13.20967	5.54293	16.22061	8.23E-11	4.14E-08	9.43E-09	2.54E-14	7.67E-14	6.06E-14	1.93E-15	4.66E-14	2.57E-15	5.10515E-14	8.23E-11	4.1378E-08	9.42975E-09	2.59741E-14	7.79223E-15	1.29645E-14	1.29645E-15
657	570430.6	4178759	0.55, 41787	0.14773	0.133	0.14184	109.21499	48.49986	141.11126	13.65187	6.24447	17.63891	9.42E-11	4.48E-08	9.81E-09	2.91E-14	8.78E-14	6.93E-14	2.21E-15	5.33E-14	2.94E-15	5.84262E-14	9.418E-11	4.4794E-08	9.81384E-09	2.97263E-14	8.91788E-15	1.48373E-14	1.48373E-15
658	570470.6	4178759	0.55, 41787	0.16767	0.15301	0.16202	117.79795	52.53636	140.35154	14.72474	7.71399	17.54394	1.08E-10	4.75E-08	1.05E-08	3.34E-14	1.01E-13	7.96E-14	2.53E-15	6.12E-14	3.38E-15	6.70716E-14	1.081E-10	4.7513E-08	1.04693E-08	3.41249E-14	1.02375E-14	1.70328E-14	1.70328E-15
659	570510.6	4178759	0.55, 41787	0.191	0.17712	0.1864	128.29828	56.17436	171.94141	17.6792	9.03197	21.49268	1.25E-10	5.27E-08	1.26E-08	3.85E-14	1.16E-13	9.19E-14	2.92E-15	7.06E-14	3.9E-15	7.74645E-14	1.249E-10	5.2659E-08	1.26034E-08	3.94126E-14	1.18238E-14	1.96721E-14	1.96721E-15
660	570550.6	4178759	0.55, 41787	0.21672	0.20498	0.21341	137.63049	58.52483	184.29573	19.6615	9.95092	26.17497	1.44E-10	5.55E-08	1.42E-08	4.45E-14	1.34E-13	1.06E-13	3.37E-15	8.15E-14	4.5E-15	8.93696E-14	1.441E-10	5.5514E-08	1.41942E-08	4.54697E-14	1.36409E-14	2.26954E-14	2.26954E-15
661	570590.6	4178759	0.55, 41787	0.24504	0.23724	0.24166	142.23889	62.68425	205.21483	20.31984	10.25836	28.57469	1.66E-10	5.97E-08	1.48E-08	5.12E-14	1.55E-13	1.22E-13	3.89E-15	9.39E-14	5.18E-15	1.02951E-13	1.66E-10	5.9747E-08	1.47886E-08	5.23799E-14	1.5714E-14	2.61445E-14	2.61445E-15
662	570630.6	4178759	0.55, 41787	0.27554	0.27375	0.26892	139.19636	70.02218	188.40794	19.61007	11.07526	25.7042	1.9E-10	6.23E-08	1.41E-08	5.87E-14	1.77E-13	1.4E-13	4.46E-15	1.08E-13	5.94E-15	1.18034E-13	1.903E-10	6.2318E-08	1.41257E-08	6.00535E-14	1.80161E-14	2.99746E-14	2.99746E-15
663	570670.6	4178759	0.55, 41787	0.30614	0.31293	0.29402	149.31547	72.47289	221.2081	21.10931	12.07881	31.37185	2.16E-10	6.69E-08	1.55E-08	6.66E-14	2.01E-13	1.59E-13	5.06E-15	1.22E-13	6.74E-15	1.33935E-13	2.159E-10	6.6876E-08	1.5495E-08	6.81439E-14	2.04432E-14	3.40128E-14	3.40128E-15
664	570710.6	4178759	0.55, 41787	0.33494	0.35231	0.31792	164.794	71.08708	213.69891	21.55176	13.08376	26.71236	2.41E-10	6.65E-08	1.54E-08	7.45E-14	2.25E-13	1.78E-13	5.65E-15	1.37E-13	7.54E-15	1.49777E-13	2.414E-10	6.6487E-08	1.54042E-08	7.62041E-14	2.28612E-14	3.80359E-14	3.80359E-15
665	570750.6	4178759	0.55, 41787	0.36674	0.3924	0.33661	179.38877	78.60477	216.64393	22.4236	16.36841	27.08049	2.67E-10	7.18E-08	1.6E-08	8.24E-14	2.49E-13	1.97E-13	6.26E-15	1.51E-13	8.34E-15	1.65728E-13	2.672E-10	7.1805E-08	1.59716E-08	8.43195E-14	2.52959E-14	4.20866E-14	4.20866E-15
666	570790.6	4178759	0.55, 41787	0.40357	0.43625	0.34677	166.36606	82.34558	242.62848	21.7564	19.87746	30.35713	2.95E-10	7.51E-08	1.58E-08	9.09E-14	2.74E-13	2.17E-13	6.9E-15	1.67E-13	9.2E-15	1.82755E-13	2.946E-10	7.5099E-08	1.58155E-08	9.29827E-14	2.78948E-14	4.64107E-14	4.64107E-15
667	570830.6	4178759	0.55, 41787	0.43354	0.48203	0.39259	188.6599	98.62945	246.30784	24.95504	19.43466	30.78848	3.25E-10	8.58E-08	1.78E-08	1E-13	3.03E-13	2.4E-13	7.62E-15	1.84E-13	1.02E-14	2.01911E-13	3.255E-10	8.5824E-08	1.78256E-08	1.02729E-13	3.08186E-14	5.12751E-14	5.12751E-15
668	570870.6	4178759	0.55, 41787	0.46387	0.52331	0.45582	172.12292	120.25167	329.63715	21.51536	16.67269	41.20464	3.55E-10	1.03E-07	1.65E-08	1.1E-13	3.31E-13	2.61E-13	8.32E-15	2.01E-13	1.11E-14	2.20374E-13	3.552E-10	1.0331E-07	1.65145E-08	1.12122E-13	3.36367E-14	5.59639E-14	5.59639E-15
669	570910.6	4178759	0.55, 41787	0.49085	0.54778	0.42691	176.15826	108.72169	296.15879	23.43896	19.655	37.01985	3.68E-10	9.45E-08	1.74E-08	1.14E-13	3.43E-13	2.71E-13	8.62E-15	2.08E-13	1.15E-14	2.28448E-13	3.683E-10	9.4543E-08	1.73759E-08	1.16231E-13	3.48692E-14	5.80144E-14	5.80144E-15
670	570950.6	4178759	0.55, 41787	0.48762	0.55475	0.41816	180.46301	97.04885	324.78811	24.36206	20.46933	40.59851	3.71E-10	9.06E-08	1.82E-08	1.15E-13	3.46E-13	2.73E-13	8.69E-15	2.1E-13	1.16E-14	2.303E-13	3.712E-10	9.0568E-08	1.8226E-08	1.17173E-13	3.51518E-14	5.84846E-14	5.84846E-15
671	570990.6	4178759	0.55, 41787	0.49051	0.55159	0.43765	151.23194	87.28492	222.11928	25.20532	17.38113	28.62893	3.71E-10	7.53E-08	1.78E-08	1.15E-13	3.46E-13	2.73E-13	8.69E-15	2.1E-13	1.16E-14	2.30268E-13	3.712E-10	7.5292E-08	1.78114E-08	1.17157E-13	3.5147E-14	5.84766E-14	5.84766E-15
672	571030.6	4178759	0.55, 41787	0.48428	0.53663	0.45626	187.58168	78.86438	272.43541	28.06386	15.68835	45.4059	3.64E-10	7.68E-08	2.09E-08	1.12E-13	3.39E-13	2.68E-13	8.52E-15	2.06E-13	1.14E-14	2.25776E-13	3.64E-10	7.6822E-08	2.0889E-08	1.14871E-13	3.44612E-14	5.73357E-14	5.73357E-15
673	571070.6	4178759	0.55, 41787	0.467	0.51625	0.43604	163.79974	72.83551	258.94072	22.54296	13.46245	32.36759	3.5E-10	7.09E-08	1.65E-08	1.08E-13	3.26E-13	2.58E-13	8.2E-15	1.98E-13	1.09E-14	2.17104E-13	3.5E-10	7.0932E-08	1.64587E-08	1.10459E-13	3.31376E-14	5.51335E-14	5.51335E-15
674	571110.6	4178759	0.55, 41787	0.44755	0.4933	0.39624	157.0432	65.36033	149.25903	19.63651	11.35189	22.10234	3.33E-10	5.78E-08	1.39E-08	1.03E-13	3.1E-13	2.45E-13	7.8E-15	1.88E-13	1.04E-14	2.06513E-13	3.329E-10	5.7785E-08	1.38604E-08	1.0507E-13	3.15211E-14	5.2444E-14	5.2444E-15
675	571150.6	4178759	0.55, 41787	0.4302	0.46818	0.38775	183.98767	62.14189	232.46693	23.05685	11.54043	29.05837	3.17E-10	6.42E-08	1.65E-08	9.79E-14	2.96E-13	2.33E-13	7.43E-15	1.79E-13	9.91E-15	1.96775E-13	3.172E-10	6.4187E-08	1.65175E-08	1.00116E-13	3.00347E-14	4.9971E-14	4.9971E-15
676	571190.6	4178759	0.55, 41787	0.41561	0.44245	0.39452	166.33485	59.4631	232.20811	21.02615	11.70076	29.03347	3.03E-10	6.16E-08	1.53E-08	9.34E-14	2.82E-13	2.23E-13	7.09E-15	1.71E-13	9.45E-15	1.87674E-13	3.025E-10	6.1575E-08	1.52609E-08	9.54851E-14	2.86455E-14	4.76597E-14	4.76597E-15
677	571230.6	4178759	0.55, 41787	0.39577	0.41616	0.38297	133.04594	57.55284	174.38403	19.00656	11.25795	24.912	2.86E-10	5.39E-08	1.37E-08	8.82E-14	2.66E-13	2.1E-13	6.69E-15	1.62E-13	8.92E-15	1.77287E-13	2.858E-10	5.3912E-08	1.36908E-08	9.02007E-14	2.70602E-14	4.50221E-14	4.50221E-15
678	571270.6	4178759	0.55, 41787	0.36933	0.38979	0.3568	133.93343	52.76944	163.09994	18.49966	10.32502	20.38749	2.67E-10	5.04E-08	1.3E-08	8.25E-14	2.49E-13	1.97E-13	6.26E-15	1.51E-13	8.35E-15	1.65908E-13	2.674E-10	5.0429E-08	1.3024E-08	8.44113E-14	2.53234E-14	4.21324E-14	4.21324E-15
679	571310.6	4178759	0.55, 41787	0.3411	0.36413	0.32902	131.1619	50.25063	168.23883	18.11843	9.56125	22.87944	2.49E-10	4.93E-08	1.3E-08	7.69E-14	2.32E-13	1.83E-13	5.84E-15	1.41E-13	7.78E-15	1.54626E-13	2.493E-10	4.9259E-08	1.29832E-08	7.86713E-14	2.36014E-14	3.92673E-14	3.92673E-15
680	571350.6	4178759	0.55, 41787	0.31543	0.34037	0.30452	103.20737	47.94128	136.71003	14.62528	9.08266	18.8743	2.33E-10	4.38E-08	1.05E-08	7.18E-14	2.17E-13	1.71E-13	5.45E-15	1.32E-13	7.26E-15	1.44258E-13	2.325E-10	4.3764E-08	1.05118E-08	7.33957E-14	2.20187E-14	3.66342E-14	3.66342E-15
681	571390.6	4178759	0.55, 41787	0.29206	0.31801	0.28181	95.20975	46.26011	128.00267	11.90122	8.7596	16.00033	2.17E-10	4.16E-08	8.6E-09	6.69E-14	2.02E-13	1.6E-13	5.08E-15	1.23E-13	6.77E-15	1.34547E-13	2.169E-10	4.165E-08	8.60409E-09	6.84551E-14	2.05365E-14	3.41681E-14	3.41681E-15
682	571430.6	4178759	0.55, 41787	0.27184	0.29676	0.26169	65.82255	44.97926	77.28464	8.48847	8.42183	11.06277	2.02E-10	3.51E-08	6.11E-09	6.24E-14	1.88E-13	1.49E-13	4.74E-15	1.14E-13	6.32E-15	1.25466E-13	2.023E-10	3.5136E-08	6.1095E-09	6.38351E-14	1.91505E-14	3.18622E-14	3.18622E-15
683	571470.6	4178759	0.55, 41787	0.25781	0.27877	0.24855	74.19853	43.62462	66.74746	10.92817	7.8818	10.16339	1.9E-10	3.41E-08	7.55E-09	5.87E-14	1.77E-13	1.4E-13	4.46E-15	1.08E-13	5.94E-15	1.18088E-13	1.904E-10	3.4084E-08	7.5466E-09	6.00809E-14	1.80243E-14	2.99883E-14	2.99883E-15
684	571510.6	4178759	0.55, 41787	0.24715	0.26193	0.24035	102.14842	42.0514	116.58455	14.2101	7.23025	16.16505	1.8E-10	3.89E-08	1E-08	5.55E-14	1.67E-13	1.32E-13	4.21E-15	1.02E-13	5.61E-15	1.11475E-13	1.797E-10	3.8854E-08	1.00435E-08	5.67166E-14	1.7015E-14	2.83091E-14	2.83091E-15
685	571550.6	4178759	0.55, 41787	0.23772	0.24585	0.23427	104.82233	40.15762	128.89934	14.31586	6.66643	17.41071	1.7E-10	3.89E-08	1.02E-08	5.24E-14	1.58E-13	1.25E-13	3.97E-15	9.6E-14	5.3E-15	1.05275E-13	1.697E-10	3.8932E-08	1.02063E-08	5.35621E-14	1.60686E-14	2.67346E-14	2.67346E-15
686	571590.6	4178759	0.55, 41787	0.22808	0.23097	0.22747	83.60184	37.747	96.99907	11.46846	6.12919	13.15855	1.6E-10	3.38E-08	8.11E-09	4.95E-14	1.49E-13	1.18E-13	3.75E-15	9.07E-14	5.01E-15	9.94454E-14	1.603E-10	3.3772E-08	8.11456E-09	5.05961E-14	1.51788E-14	2.52541E-14	2.52541E-15
687	570310.6	4178799	0.55, 41787	0.10253	0.09048	0.09887	92.22772	37.68456	108.42661	11.52846	4.71057	13.55333	6.44E-11	3.52E-08	8.18E-09	1.99E-14	6E-14	4.74E-14	1.51E-15	3.64E-14	2.01E-15	3.99413E-14	6.439E-11	3.5171E-08	8.18249E-09	2.03215E-14	6.09644E-15	1.01431E-14	1.01431E-15
688	570350.6	4178799	0.55, 41787	0.11434	0.10195	0.11024	96.42289	41.82094	119.06345	12.05286	5.22762	14.88293	7.24E-11	3.86E-08	8.61E-09	2.23E-14	6.74E-14	5.33E-14	1.7E-15	4.09E-14	2.26E-15	4.49022E-14	7.238E-11	3.8561E-08	8.61043E-09	2.28454E-14	6.85363E-15	1.14029E-14	1.14029E-15
689	570390.6	4178799	0.55, 41787	0.12785	0.11532	0.12365	96.70849	44.28794	121.57528	12.08856	5.83168	15.19691	8.17E-11	4.01E-08	8.66E-09	2.52E-14	7.61E-14	6.01E-14	1.91E-15	4.62E-14	2.55E-15	5.06824E-14	8.17E-11	4.0146E-08	8.65703E-09	2.57863E-14	7.73589E-15	1.28708E-14	1.28708E-15
690	570430.6	4178799	0.55, 41787	0.14288	0.13064	0.13911	109.4746	48.39009	132.26529	13.83026	6.97525	16.53316	9.24E-11	4.41E-08	9.84E-09	2.85E-14	8.61E-14	6.8E-14	2.16E-15	5.22E-14	2.88E-15	5.72927E-14	9.236E-11	4.4058E-08	9.83762E-09	2.91495E-14	8.74486E-15	1.45495E-14	1.45495E-15
691	570470.6	4178799	0.55, 41787	0.15993	0.14857	0.15692	116.3647	50.80214	153.38363	16.31235	7.92735	19.17295	1.05E-10	4.75E-08	1.16E-08	3.23E-14	9.76E-14	7.71E-14	2.45E-15	5.93E-14	3.27E-15	6.49945E-14	1.048E-10	4.7479E-08	1.15776E-08	3.30681E-14	9.92042E-15	1.65053E-14	1.65053E-15
692	570510.6	4178799	0.55, 41787	0.17816	0.16871	0.17591	124.77861	52.11481	162.22151	17.82552	8.49382	23.1745	1.19E-10	4.94E-08	1.28E-08	3.66E-14	1.1E-13	8.73E-14	2.78E-15	6.71E-14	3.7E-15	7.35606E-14	1.186E-10	4.9425E-08	1.28253E-08	3.74264E-14	1.12279E-14	1.86807E-14	1.86807E-15
693	570550.6	4178799	0.55, 41787	0.19752	0.19131	0.19507	126.89522	56.18657	175.78093	18.12789	8.51005	24.21863	1.34E-10	5.29E-08	1.31E-08	4.13E-14	1.25E-13	9.85E-14	3.13E-15	7.57E-14	4.18E-15	8.30262E-14	1.338E-10	5.2878E-08	1.30937E-08	4.22423E-14	1.26727E-14	2.10845E-14	2.10845E-15
694	570590.6	4178799	0.55, 41787	0.21773	0.21627	0.21308	122.68072	62.5324	158.46837	17.14296	9.80776	21.67538	1.5E-10	5.48E-08	1.23E-08	4.64E-14	1.4E-13	1.11E-13	3.52E-15	8.51E-14	4.7E-15	9.3282E-14	1.504E-10	5.4785E-08	1.22864E-08	4.74603E-14	1.42381E-14	2.36889E-14	2.36889E-15
695	570630.6	4178799	0.55, 41787	0.23771	0.24268	0.22932	133.9153	64.36556	188.20796	18.95021	10.72759	26.70167	1.68E-10	5.88E-08	1.38E-08	5.17E-14	1.56E-13	1.23E-13	3.92E-15	9.48E-14	5.23E-15	1.03943E-13	1.676E-10	5.8831E-08	1.37959E-08	5.28842E-14	1.58653E-14	2.63962E-14	2.63962E-15
696	570670.6	4178799	0.55, 41787	0.25595	0.26895	0.24514	141.94782	63.09907	182.20008	19.13844	10.57117	23.96944	1.85E-10	5.82E-08	1.37E-08	5.69E-14	1.72E-13	1.36E-13	4.32E-15	1.04E-13	5.76E-15	1.14467E-13	1.845E-10	5.816E-08	1.36987E-08	5.82389E-14	1.74717E-14	2.90689E-14	2.90689E-15
697	570710.6	4178799	0.55, 41787	0.27273	0.29382	0.2595	157.12572	66.69563	192.86918	19.64072	11.93189	24.10865	2.01E-10	6.19E-08	1.4E-08	6.19E-14	1.87E-13	1.48E-13	4.7E-15	1.13E-13	6.26E-15	1.24382E-13	2.005E-10	6.1941E-08	1.40199E-08	6.32834E-14	1.8985E-14	3.15867E-14	3.15867E-15
698	570750.6	4178799	0.55, 41787	0.29355	0.31916	0.26739	152.65771	72.44297	180.42039	19.08221	15.18472	22.55534	2.16E-10	6.39E-08	1.36E-08	6.68E-14	2.02E-13	1.59E-13	5.07E-15	1.22E-13	6.76E-15	1.34302E-13	2.165E-10	6.388E-08	1.35534E-08	6.83303E-14	2.04991E-14	3.41058E-14	3.41058E-15
699	570790.6	4178799	0.55, 41787	0.31688	0.34759	0.27611	157.73005	72.26845	195.86787	20.13646	16.34526	24.48348	2.34E-10	6.53E-08	1.44E-08	7.23E-14	2.18E-13	1.73E-13	5.49E-15	1.33E-13	7.32E-15	1.45423E-13	2.344E-10	6.5307E-08	1.43555E-08	7.39889E-14	2.21967E-14	3.69302E-14	3.69302E-15
700	570830.6	4178799	0.55, 41787	0.33524	0.37796	0.31984	162.23746	94.66133	234.71664	21.09567	14.73083	29.33958	2.56E-10	8.11E-08	1.53E-08	7.9E-14	2.38E-13	1.88E-13	5.99E-15	1.45E-13	7.99E-15	1.58718E-13	2.559E-10	8.1062E-08	1.53277E-08	8.07531E-14	2.42259E-14	4.03065E-14	4.03065E-15
701	570870.6	4178799	0.55, 41787	0.35595	0.40358	0.35265	158.80625	107.46352	263.60655	19.85078	16.70272	32.95082	2.74E-10	9.02E-08	1.48E-08	8.45E-14	2.55E-13	2.02E-13	6.42E-15	1.55E-13	8.55E-15	1.69939E-13	2.739E-10	9.0215E-08	1.48409E-08	8.64618E-14	2.59385E-14	4.31559E-14	4.31559E-15
702	570910.6	4178799	0.55, 41787	0.3676	0.41723	0.32417	150.41188	96.98395	247.06251	18.80149	15.72408	30.88281	2.8E-10	8.26E-08	1.4E-08	8.64E-14	2.61E-13	2.06E-13	6.56E-15	1.58E-13	8.74E-15	1.73712E-13	2.8E-10	8.2577E-08	1.40309E-08	8.83815E-14	2.65145E-14	4.41141E-14	4.41141E-15
703	570950.6	4178799	0.55, 41787	0.34637	0.40141	0.30552	159.46188	87.41269	275.63404	19.93273	16.48069	34.45425	2.68E-10	8.01E-08	1.5E-08	8.28E-14	2.5E-13	1.98E-13	6.29E-15	1.52E-13	8.38E-15	1.66534E-13	2.685E-10	8.0061E-08	1.5009E-08	8.47296E-14	2.54189E-14	4.22913E-14	4.22913E-15
704	570990.6	4178799	0.55, 41787	0.35579	0.40756	0.32647	119.48057	79.68844	146.33228	17.5796	14.60553	25.33485	2.74E-10	6.32E-08	1.28E-08	8.46E-14	2.55E-13	2.02E-13	6.42E-15	1.55E-13	8.56E-15	1.70034E-13	2.741E-10	6.3164E-08	1.28422E-08	8.65103E-14	2.59531E-14	4.31801E-14	4.31801E-15
705	571030.6	4178799	0.55, 41787	0.37225	0.416	0.35619	155.14917	72.93395	196.55996	24.86673	12.948	30.87431	2.82E-10	6.56E-08	1.78E-08	8.71E-14	2.63E-13	2.08E-13	6.61E-15	1.6E-13	8.81E-15	1.75021E-13	2.821E-10	6.557E-08	1.77777E-08	8.90477E-14	2.67143E-14	4.44466E-14	4.44466E-15
706	571070.6	4178799	0.55, 41787	0.3594	0.40135	0.34666	158.59146	67.81733	220.83512	22.65592	11.74555	33.70367	2.72E-10	6.48E-08	1.66E-08	8.41E-14	2.54E-13	2.01E-13	6.38E-15	1.54E-13	8.51E-15	1.69014E-13	2.725E-10	6.4841E-08	1.66329E-08	8.59913E-14	2.57974E-14	4.2921E-14	4.2921E-15
707	571110.6	4178799	0.55, 41787	0.34191	0.38638	0.31575	133.9595	62.41991	198.12185	16.74494	10.40332	24.76523	2.61E-10	5.85E-08	1.23E-08	8.04E-14	2.43E-13	1.92E-13	6.1E-15	1.47E-13	8.14E-15	1.61679E-13	2.606E-10	5.8528E-08	1.2282E-08	8.22597E-14	2.46779E-14	4.10584E-14	4.10584E-15
708	571150.6	4178799	0.55, 41787	0.32926	0.37153	0.29721	140.52662	58.47073	122.49716	17.56829	9.74512	16.40698	2.5E-10	5.08E-08	1.21E-08	7.72E-14	2.33E-13	1.84E-13	5.86E-15	1.42E-13	7.81E-15	1.55174E-13	2.501E-10	5.0834E-08	1.21374E-08	7.89498E-14	2.36849E-14	3.94064E-14	3.94064E-15
709	571190.6	4178799	0.55, 41787	0.32393	0.35615	0.30055	162.80337	55.99612	201.90064	20.37225	9.46414	25.23758	2.42E-10	5.71E-08	1.46E-08	7.45E-14	2.25E-13	1.78E-13	5.66E-15	1.37E-13	7.54E-15	1.49831E-13	2.415E-10	5.706E-08	1.45601E-08	7.62313E-14	2.28694E-14	3.80495E-14	3.80495E-15
710	571230.6	4178799	0.55, 41787	0.31732	0.33876	0.30501	141.0743	54.42569	191.70239	17.72831	9.52966	23.96639	2.32E-10	5.4E-08	1.28E-08	7.15E-14	2.16E-13	1.71E-13	5.43E-15	1.31E-13	7.24E-15	1.438E-13	2.318E-10	5.4032E-08	1.28271E-08	7.31629E-14	2.19489E-14	3.6518E-14	3.6518E-15
711	571270.6	4178799	0.55, 41787	0.30415	0.32027	0.29829	116.54381	51.24633	144.90939	16.64912	9.13765	20.70134	2.2E-10	4.71E-08	1.19E-08	6.79E-14	2.05E-13	1.62E-13	5.16E-15	1.25E-13	6.88E-15	1.36594E-13	2.202E-10	4.7074E-08	1.19051E-08	6.94964E-14	2.08489E-14	3.46879E-14	3.46879E-15
712	571310.6	4178799	0.55, 41787	0.28608	0.30211	0.28212	111.77517	48.08718	136.31939	15.28029	8.60329	17.73191	2.08E-10	4.44E-08	1.08E-08	6.41E-14	1.94E-13	1.53E-13	4.86E-15	1.18E-13	6.49E-15	1.28852E-13	2.077E-10	4.435E-08	1.08273E-08	6.55579E-14	1.96674E-14	3.27221E-14	3.27221E-15
713	571350.6	4178799	0.55, 41787	0.26522	0.28423	0.2608	116.94553	46.1941	139.01017	15.97517	8.23917	19.97796	1.95E-10	4.38E-08	1.14E-08	6.01E-14	1.82E-13	1.43E-13	4.56E-15	1.1E-13	6.08E-15	1.2085E-13	1.948E-10	4.3833E-08	1.14322E-08	6.14864E-14	1.84459E-14	3.06898E-14	3.06898E-15
714	571390.6	4178799	0.55, 41787	0.24309	0.26586	0.23735	101.64822	44.37475	130.479	13.96186	7.97488	17.70328	1.81E-10	4.12E-08	1E-08	5.6E-14	1.69E-13	1.34E-13	4.25E-15	1.03E-13	5.66E-15	1.12526E-13	1.814E-10	4.1199E-08	1.00104E-08	5.72513E-14	1.71754E-14	2.8576E-14	2.8576E-15
715	571430.6	4178799	0.55, 41787	0.22645	0.25105	0.21957	78.66707	42.96369	101.00422	10.22882	7.75525	13.14754	1.71E-10	3.67E-08	7.35E-09	5.27E-14	1.59E-13	1.26E-13	4E-15	9.66E-14	5.33E-15	1.05916E-13	1.707E-10	3.6674E-08	7.34777E-09	5.38884E-14	1.61665E-14	2.68974E-14	2.68974E-15
716	571470.6	4178799	0.55, 41787	0.21325	0.23694	0.20607	47.64153	41.84289	57.10773	7.70461	7.45296	10.06314	1.61E-10	3.07E-08	5.55E-09	4.97E-14	1.5E-13	1.19E-13	3.77E-15	9.11E-14	5.03E-15	9.98889E-14	1.61E-10	3.068E-08	5.54704E-09	5.08218E-14	1.52465E-14	2.53668E-14	2.53668E-15
717	571510.6	4178799	0.55, 41787	0.20623	0.22585	0.19985	71.44774	40.73398	67.79843	10.29216	7.00806	9.90291	1.54E-10	3.24E-08	7.13E-09	4.75E-14	1.43E-13	1.13E-13	3.61E-15	8.71E-14	4.81E-15	9.54946E-14	1.539E-10	3.2389E-08	7.13327E-09	4.8586E-14	1.45758E-14	2.42508E-14	2.42508E-15
718	571550.6	4178799	0.55, 41787	0.19818	0.21228	0.19356	94.10249	39.35835	107.36049	13.01678	6.4744	14.79864	1.45E-10	3.61E-08	9.2E-09	4.49E-14	1.35E-13	1.07E-13	3.41E-15	8.23E-14	4.54E-15	9.02026E-14	1.454E-10	3.6134E-08	9.19942E-09	4.58935E-14	1.37681E-14	2.29069E-14	2.29069E-15
719	571590.6	4178799	0.55, 41787	0.19254	0.20073	0.18997	94.76849	37.66806	114.23818	12.95063	6.01952	15.50303	1.38E-10	3.58E-08	9.21E-09	4.27E-14	1.29E-13	1.02E-13	3.24E-15	7.83E-14	4.32E-15	8.58308E-14	1.384E-10	3.5775E-08	9.21361E-09	4.36692E-14	1.31008E-14	2.17967E-14	2.17967E-15
720	570310.6	4178839	0.55, 41788	0.10118	0.0904	0.098	86.93136	38.98232	105.93151	10.86642	4.87279	13.24144	6.42E-11	3.54E-08	7.75E-09	1.98E-14	5.98E-14	4.72E-14	1.5E-15	3.63E-14	2E-15	3.98192E-14	6.419E-11	3.5365E-08	7.74906E-09	2.02593E-14	6.0778E-15	1.01121E-14	1.01121E-15
721	570350.6	4178839	0.55, 41788	0.1118	0.10104	0.10874	92.10266	41.60712	103.12867	11.51283	5.43734	12.89108	7.16E-11	3.69E-08	8.12E-09	2.21E-14	6.67E-14	5.27E-14	1.68E-15	4.05E-14	2.24E-15	4.44174E-14	7.16E-11	3.6927E-08	8.12106E-09	2.25988E-14	6.77964E-15	1.12798E-14	1.12798E-15
722	570390.6	4178839	0.55, 41788	0.12335	0.11299	0.12071	101.58992	44.39945	123.8041	13.097	6.32134	15.47551	7.99E-11	4.07E-08	9.3E-09	2.47E-14	7.44E-14	5.88E-14	1.87E-15	4.52E-14	2.49E-15	4.95626E-14	7.99E-11	4.0687E-08	9.30189E-09	2.52166E-14	7.56497E-15	1.25864E-14	1.25864E-15
723	570430.6	4178839	0.55, 41788	0.13612	0.12663	0.1341	105.75261	46.22171	135.82058	15.10752	6.99394	17.72822	8.93E-11	4.29E-08	1.07E-08	2.76E-14	8.32E-14	6.57E-14	2.09E-15	5.05E-14	2.79E-15	5.54061E-14	8.932E-11	4.2899E-08	1.07202E-08	2.81897E-14	8.4569E-15	1.40704E-14	1.40704E-15
724	570470.6	4178839	0.55, 41788	0.14941	0.1416	0.14777	113.55911	47.52324	144.14907	16.22273	7.30549	20.59272	9.95E-11	4.48E-08	1.16E-08	3.07E-14	9.27E-14	7.33E-14	2.33E-15	5.63E-14	3.11E-15	6.17416E-14	9.953E-11	4.4761E-08	1.16332E-08	3.1413E-14	9.42391E-15	1.56793E-14	1.56793E-15
725	570510.6	4178839	0.55, 41788	0.16314	0.158	0.16129	114.44641	50.69094	152.51274	16.21485	7.16417	20.85712	1.11E-10	4.72E-08	1.16E-08	3.41E-14	1.03E-13	8.14E-14	2.59E-15	6.25E-14	3.45E-15	6.85795E-14	1.106E-10	4.7229E-08	1.1649E-08	3.4892E-14	1.04676E-14	1.74157E-14	1.74157E-15
726	570550.6	4178839	0.55, 41788	0.17704	0.17576	0.1737	109.2842	56.30775	135.99936	15.45924	8.75778	18.63755	1.22E-10	4.87E-08	1.1E-08	3.77E-14	1.14E-13	9E-14	2.86E-15	6.92E-14	3.82E-15	7.58386E-14	1.223E-10	4.8735E-08	1.10086E-08	3.85854E-14	1.15756E-14	1.92592E-14	1.92592E-15
727	570590.6	4178839	0.55, 41788	0.1907	0.19445	0.18485	121.04262	57.73789	162.59872	17.123	9.62298	23.05827	1.34E-10	5.23E-08	1.24E-08	4.15E-14	1.25E-13	9.89E-14	3.15E-15	7.6E-14	4.2E-15	8.33478E-14	1.344E-10	5.2343E-08	1.23822E-08	4.24059E-14	1.27218E-14	2.11661E-14	2.11661E-15
728	570630.6	4178839	0.55, 41788	0.20316	0.21304	0.19546	125.84874	56.85617	163.76967	17.26057	9.47603	21.8341	1.46E-10	5.22E-08	1.24E-08	4.51E-14	1.36E-13	1.08E-13	3.43E-15	8.28E-14	4.57E-15	9.07497E-14	1.463E-10	5.2246E-08	1.23715E-08	4.61719E-14	1.38516E-14	2.30459E-14	2.30459E-15
729	570670.6	4178839	0.55, 41788	0.21386	0.23043	0.20601	138.80556	56.19819	167.35734	17.35069	9.51337	20.91967	1.57E-10	5.3E-08	1.24E-08	4.86E-14	1.47E-13	1.16E-13	3.69E-15	8.91E-14	4.92E-15	9.76671E-14	1.574E-10	5.2971E-08	1.23557E-08	4.96913E-14	1.49074E-14	2.48025E-14	2.48025E-15
730	570710.6	4178839	0.55, 41788	0.22462	0.24643	0.21368	139.69865	64.11019	158.44625	17.46233	11.64998	19.80578	1.68E-10	5.67E-08	1.23E-08	5.17E-14	1.56E-13	1.23E-13	3.93E-15	9.48E-14	5.23E-15	1.03968E-13	1.676E-10	5.6724E-08	1.23376E-08	5.28973E-14	1.58692E-14	2.64027E-14	2.64027E-15
731	570750.6	4178839	0.55, 41788	0.23931	0.26333	0.21642	129.30344	65.03758	176.13066	16.25667	13.35444	22.02002	1.78E-10	5.8E-08	1.18E-08	5.5E-14	1.66E-13	1.31E-13	4.17E-15	1.01E-13	5.56E-15	1.10493E-13	1.781E-10	5.7971E-08	1.17657E-08	5.62169E-14	1.68651E-14	2.80596E-14	2.80596E-15
732	570790.6	4178839	0.55, 41788	0.2546	0.28325	0.22784	148.04332	66.52984	161.44916	18.88746	13.10425	20.18115	1.91E-10	5.88E-08	1.32E-08	5.89E-14	1.78E-13	1.41E-13	4.47E-15	1.08E-13	5.97E-15	1.18502E-13	1.91E-10	5.8824E-08	1.32475E-08	6.02918E-14	1.80875E-14	3.00936E-14	3.00936E-15
733	570830.6	4178839	0.55, 41788	0.26766	0.30497	0.26524	136.3658	90.38201	203.70222	17.19519	14.05196	26.51864	2.07E-10	7.46E-08	1.27E-08	6.38E-14	1.93E-13	1.52E-13	4.84E-15	1.17E-13	6.46E-15	1.28305E-13	2.068E-10	7.4643E-08	1.26973E-08	6.52792E-14	1.95838E-14	3.25829E-14	3.25829E-15
734	570870.6	4178839	0.55, 41788	0.28248	0.32215	0.27934	145.76117	97.26265	213.43334	18.22015	15.13016	26.67917	2.18E-10	7.98E-08	1.33E-08	6.74E-14	2.03E-13	1.61E-13	5.11E-15	1.24E-13	6.82E-15	1.35482E-13	2.184E-10	7.9812E-08	1.33431E-08	6.89307E-14	2.06792E-14	3.44055E-14	3.44055E-15
735	570910.6	4178839	0.55, 41788	0.28799	0.33135	0.25629	130.6935	87.1686	210.24612	16.33669	13.50967	26.28077	2.22E-10	7.3E-08	1.21E-08	6.85E-14	2.07E-13	1.63E-13	5.2E-15	1.26E-13	6.93E-15	1.37747E-13	2.221E-10	7.3015E-08	1.21482E-08	7.00833E-14	2.1025E-14	3.49808E-14	3.49808E-15
736	570950.6	4178839	0.55, 41788	0.28758	0.33724	0.25781	143.26415	81.64199	232.33178	17.90802	13.93242	29.04147	2.25E-10	7.25E-08	1.33E-08	6.96E-14	2.1E-13	1.66E-13	5.28E-15	1.28E-13	7.04E-15	1.39834E-13	2.254E-10	7.2459E-08	1.33349E-08	7.1145E-14	2.13435E-14	3.55108E-14	3.55108E-15
737	570990.6	4178839	0.55, 41788	0.28844	0.33412	0.27084	115.42228	74.82901	134.90402	15.11344	13.01217	21.06919	2.25E-10	5.93E-08	1.1E-08	6.94E-14	2.09E-13	1.65E-13	5.26E-15	1.27E-13	7.02E-15	1.39424E-13	2.248E-10	5.9318E-08	1.0985E-08	7.09366E-14	2.1281E-14	3.54067E-14	3.54067E-15
738	571030.6	4178839	0.55, 41788	0.29049	0.32848	0.28015	122.60648	67.85889	167.69329	20.43441	11.21527	20.96166	2.22E-10	5.85E-08	1.43E-08	6.87E-14	2.07E-13	1.64E-13	5.21E-15	1.26E-13	6.95E-15	1.38012E-13	2.225E-10	5.846E-08	1.42643E-08	7.02183E-14	2.10655E-14	3.50482E-14	3.50482E-15
739	571070.6	4178839	0.55, 41788	0.28682	0.32211	0.27916	145.80556	62.69899	194.95005	22.09774	10.44682	32.49167	2.19E-10	5.92E-08	1.62E-08	6.75E-14	2.04E-13	1.61E-13	5.12E-15	1.24E-13	6.83E-15	1.35627E-13	2.186E-10	5.9176E-08	1.61933E-08	6.90049E-14	2.07015E-14	3.44426E-14	3.44426E-15
740	571110.6	4178839	0.55, 41788	0.272	0.3104	0.2597	131.09883	59.8466	180.45962	17.36249	9.97443	23.15348	2.1E-10	5.55E-08	1.25E-08	6.47E-14	1.95E-13	1.54E-13	4.91E-15	1.19E-13	6.55E-15	1.30075E-13	2.097E-10	5.5539E-08	1.25376E-08	6.61799E-14	1.9854E-14	3.30325E-14	3.30325E-15
741	571150.6	4178839	0.55, 41788	0.26	0.30055	0.24148	99.99815	55.57889	134.60776	12.49977	9.26315	16.82597	2.02E-10	4.76E-08	9.04E-09	6.23E-14	1.88E-13	1.49E-13	4.73E-15	1.14E-13	6.31E-15	1.25333E-13	2.02E-10	4.764E-08	9.03845E-09	6.37671E-14	1.91301E-14	3.18282E-14	3.18282E-15
742	571190.6	4178839	0.55, 41788	0.2552	0.29099	0.23588	127.82601	53.11626	132.48794	15.97966	8.85271	16.56099	1.96E-10	4.78E-08	1.12E-08	6.05E-14	1.83E-13	1.44E-13	4.59E-15	1.11E-13	6.12E-15	1.21582E-13	1.96E-10	4.7847E-08	1.11678E-08	6.18586E-14	1.85576E-14	3.08756E-14	3.08756E-15
743	571230.6	4178839	0.55, 41788	0.25406	0.28009	0.23929	144.46225	51.51588	176.21864	18.06666	8.58598	22.02733	1.9E-10	5.14E-08	1.29E-08	5.87E-14	1.77E-13	1.4E-13	4.45E-15	1.08E-13	5.94E-15	1.17948E-13	1.901E-10	5.1417E-08	1.28846E-08	6.00098E-14	1.80029E-14	2.99528E-14	2.99528E-15
744	571270.6	4178839	0.55, 41788	0.2507	0.26766	0.24251	121.82335	49.56018	161.92313	15.26733	8.26003	20.24326	1.83E-10	4.78E-08	1.1E-08	5.66E-14	1.71E-13	1.35E-13	4.29E-15	1.04E-13	5.72E-15	1.13692E-13	1.833E-10	4.7798E-08	1.10156E-08	5.78443E-14	1.73533E-14	2.88719E-14	2.88719E-15
745	571310.6	4178839	0.55, 41788	0.24184	0.25433	0.23951	103.21026	44.65355	122.05645	14.74432	7.58702	17.43664	1.75E-10	4.08E-08	1.05E-08	5.4E-14	1.63E-13	1.29E-13	4.1E-15	9.9E-14	5.47E-15	1.0861E-13	1.751E-10	4.0793E-08	1.0473E-08	5.5259E-14	1.65777E-14	2.75816E-14	2.75816E-15
746	571350.6	4178839	0.55, 41788	0.22797	0.24079	0.22797	99.0464	44.12829	113.73434	14.35742	7.39344	18.63488	1.66E-10	3.96E-08	1.03E-08	5.12E-14	1.54E-13	1.22E-13	3.88E-15	9.38E-14	5.18E-15	1.02848E-13	1.658E-10	3.959E-08	1.03276E-08	5.23274E-14	1.56982E-14	2.61183E-14	2.61183E-15
747	571390.6	4178839	0.55, 41788	0.21103	0.22733	0.21036	102.76287	42.76623	112.22851	13.91866	7.25999	15.15441	1.56E-10	3.89E-08	9.78E-09	4.81E-14	1.45E-13	1.15E-13	3.65E-15	8.82E-14	4.87E-15	9.67003E-14	1.559E-10	3.8949E-08	9.78447E-09	4.91994E-14	1.47598E-14	2.4557E-14	2.4557E-15
748	571430.6	4178839	0.55, 41788	0.19469	0.21494	0.19186	96.70075	41.37793	118.14409	13.13698	7.12068	15.87157	1.47E-10	3.83E-08	9.36E-09	4.52E-14	1.37E-13	1.08E-13	3.43E-15	8.29E-14	4.58E-15	9.09011E-14	1.465E-10	3.8261E-08	9.35755E-09	4.62489E-14	1.38747E-14	2.30843E-14	2.30843E-15
749	571470.6	4178839	0.55, 41788	0.18137	0.20392	0.17665	77.02264	40.18933	97.95965	10.5662	6.94319	13.29535	1.38E-10	3.48E-08	7.57E-09	4.27E-14	1.29E-13	1.02E-13	3.24E-15	7.83E-14	4.32E-15	8.58505E-14	1.384E-10	3.4792E-08	7.56778E-09	4.36793E-14	1.31038E-14	2.18017E-14	2.18017E-15
750	571510.6	4178839	0.55, 41788	0.17253	0.19446	0.16733	52.60803	39.21497	67.39367	7.34906	6.67327	9.32595	1.32E-10	3.03E-08	5.27E-09	4.07E-14	1.23E-13	9.7E-14	3.09E-15	7.46E-14	4.12E-15	8.17968E-14	1.319E-10	3.0335E-08	5.26973E-09	4.16168E-14	1.2485E-14	2.07723E-14	2.07723E-15
751	571550.6	4178839	0.55, 41788	0.16797	0.18619	0.16347	68.59481	38.25365	67.50423	9.65516	6.29212	9.48561	1.27E-10	3.08E-08	6.71E-09	3.91E-14	1.18E-13	9.32E-14	2.97E-15	7.17E-14	3.96E-15	7.85837E-14	1.267E-10	3.081E-08	6.70707E-09	3.99821E-14	1.19946E-14	1.99563E-14	1.99563E-15
752	571590.6	4178839	0.55, 41788	0.16271	0.17607	0.15959	86.9293	37.04871	99.01478	11.93163	5.86384	13.49632	1.2E-10	3.38E-08	8.43E-09	3.72E-14	1.12E-13	8.86E-14	2.82E-15	6.81E-14	3.76E-15	7.47053E-14	1.204E-10	3.375E-08	8.42714E-09	3.80088E-14	1.14026E-14	1.89714E-14	1.89714E-15
753	570839.2	4178446	9.17, 41784	74.46739	6.86955	3.72049	1115.31188	246.53605	1658.95445	545.24687	92.47095	232.89196	8.76E-09	3.36E-07	3.55E-07	2.7E-12	8.16E-12	6.45E-12	2.05E-13	4.96E-12	2.74E-13	5.43574E-12	8.763E-09	3.3634E-07	3.55094E-07	2.76561E-12	8.29683E-13	1.3804E-12	1.3804E-13
754	570839.2	4178486	9.17, 41784	72.70489	8.35312	4.22209	2611.28562	240.43522	1473.87155	1286.82968	90.10385	245.64526	9.52E-09	4.12E-07	8.14E-07	2.94E-12	8.87E-12	7E-12	2.23E-13	5.38E-12	2.97E-13	5.90276E-12	9.515E-09	4.1203E-07	8.14289E-07	3.00322E-12	9.00967E-13	1.49901E-12	1.49901E-13
755	570879.2	4178406	9.17, 41784	9.26791	12.09581	2.86973	654.37651	281.54322	1652.24347	174.87233	99.71055	250.6883	7.52E-09	3.26E-07	1.28E-07	2.32E-12	7.01E-12	5.54E-12	1.76E-13	4.25E-12	2.35E-13	4.66558E-12	7.521E-09	3.2643E-07	1.27644E-07	2.37377E-12	7.12131E-13	1.18482E-12	1.18482E-13
756	570879.2	4178446	9.17, 41784	110.98197	13.33715	11.62742	3333.88644	260.53475	3586.87714	1717.50318	91.01179	770.8732	1.53E-08	6.34E-07	1.12E-06	4.71E-12	1.42E-11	1.12E-11	3.57E-13	8.63E-12	4.76E-13	9.4637E-12	1.526E-08	6.3355E-07	1.12144E-06	4.81497E-12	1.44449E-12	2.4033E-12	2.4033E-13
757	570879.2	4178486	9.17, 41784	18.42358	13.79846	20.70311	473.0449	246.35325	4578.74855	141.68031	100.88031	655.29094	1.04E-08	5.24E-07	1.39E-07	3.22E-12	9.72E-12	7.68E-12	2.44E-13	5.9E-12	3.26E-13	6.47208E-12	1.043E-08	5.2431E-07	1.38763E-07	3.29288E-12	9.87864E-13	1.64358E-12	1.64358E-13
758	570879.2	4178526	9.17, 41785	94.91809	17.71904	9.02777	3340.71117	271.69492	2014.80922	1490.9797	113.49448	441.47053	1.65E-08	5.17E-07	9.56E-07	5.09E-12	1.54E-11	1.21E-11	3.86E-13	9.32E-12	5.15E-13	1.0224E-11	1.648E-08	5.1729E-07	9.55733E-07	5.20179E-12	1.56054E-12	2.59638E-12	2.59638E-13
759	570879.2	4178566	9.17, 41785	6.34056	7.84517	3.48916	517.57011	248.69096	1100.96831	138.67192	92.32789	171.27972	5.03E-09	2.57E-07	9.91E-08	1.55E-12	4.68E-12	3.7E-12	1.18E-13	2.84E-12	1.57E-13	3.11775E-12	5.026E-09	2.5653E-07	9.90694E-08	1.58626E-12	4.75878E-13	7.91753E-13	7.91753E-14
760	570919.2	4178366	9.17, 41783	2.36921	8.89638	1.45024	279.82249	231.14799	970.86833	50.20448	85.64726	145.20587	5.2E-09	2.22E-07	4.24E-08	1.61E-12	4.85E-12	3.83E-12	1.22E-13	2.94E-12	1.62E-13	3.22695E-12	5.202E-09	2.2175E-07	4.23703E-08	1.64182E-12	4.92546E-13	8.19484E-13	8.19484E-14
761	570919.2	4178406	9.17, 41784	7.16288	18.51893	2.95623	387.12304	281.06153	1814.51514	102.95605	123.97591	301.78328	1.1E-08	3.22E-07	8.72E-08	3.38E-12	1.02E-11	8.07E-12	2.57E-13	6.2E-12	3.42E-13	6.80082E-12	1.096E-08	3.2213E-07	8.72032E-08	3.46014E-12	1.03804E-12	1.72707E-12	1.72707E-13
762	570919.2	4178446	9.17, 41784	30.90779	15.96768	15.85005	761.46723	266.85593	6280.62092	290.35951	97.37786	1155.63511	1.2E-08	6.87E-07	2.7E-07	3.72E-12	1.12E-11	8.86E-12	2.82E-13	6.81E-12	3.76E-13	7.46832E-12	1.204E-08	6.8677E-07	2.69739E-07	3.79975E-12	1.13993E-12	1.89658E-12	1.89658E-13
763	570919.2	4178486	9.17, 41784	29.57453	18.16179	468.02027	992.62163	281.14129	31654.24271	425.98322	121.6397	9353.86757	4.85E-08	2.69E-06	9.94E-07	1.5E-11	4.52E-11	3.57E-11	1.14E-12	2.74E-11	1.52E-12	3.00989E-11	4.852E-08	2.6926E-06	9.94389E-07	1.53138E-11	4.59413E-12	7.6436E-12	7.6436E-13
764	570919.2	4178526	9.17, 41785	19.47257	21.77306	15.13476	427.44744	357.8357	3633.422	126.47105	151.21701	760.0028	1.45E-08	5.09E-07	1.38E-07	4.47E-12	1.35E-11	1.07E-11	3.39E-13	8.2E-12	4.53E-13	8.98993E-12	1.449E-08	5.0947E-07	1.37551E-07	4.57392E-12	1.37218E-12	2.28299E-12	2.28299E-13
765	570919.2	4178566	9.17, 41785	68.70701	17.81326	4.44491	3547.24462	326.79695	1605.72558	1121.59815	123.62419	257.53275	1.45E-08	5.29E-07	7.13E-07	4.49E-12	1.35E-11	1.07E-11	3.4E-13	8.22E-12	4.54E-13	9.01741E-12	1.454E-08	5.2883E-07	7.13127E-07	4.5879E-12	1.37637E-12	2.28997E-12	2.28997E-13
766	570959.2	4178326	9.17, 41783	2.08146	12.83514	1.34475	279.67021	252.56813	633.18912	42.32993	97.81035	79.64117	7.36E-09	2.07E-07	3.24E-08	2.27E-12	6.86E-12	5.42E-12	1.72E-13	4.17E-12	2.3E-13	4.56754E-12	7.363E-09	2.0724E-07	3.23797E-08	2.32389E-12	6.97166E-13	1.15993E-12	1.15993E-13
767	570959.2	4178366	9.17, 41783	2.97969	11.80225	1.85212	241.09871	252.07126	954.07883	42.48046	78.75938	136.29698	6.89E-09	2.3E-07	3.69E-08	2.12E-12	6.42E-12	5.07E-12	1.61E-13	3.89E-12	2.15E-13	4.27117E-12	6.885E-09	2.2964E-07	3.69015E-08	2.1731E-12	6.51929E-13	1.08466E-12	1.08466E-13
768	570959.2	4178406	9.17, 41784	5.48321	18.00699	4.34111	312.89849	292.26242	1429.75284	67.10795	111.57482	238.11199	1.07E-08	2.94E-07	6.01E-08	3.3E-12	9.95E-12	7.86E-12	2.5E-13	6.04E-12	3.34E-13	6.62646E-12	1.068E-08	2.9363E-07	6.00768E-08	3.37143E-12	1.01143E-12	1.68279E-12	1.68279E-13
769	570959.2	4178446	9.17, 41784	13.2141	15.9724	27.93872	471.07205	258.82785	2485.7483	129.31081	100.45092	486.63208	1.19E-08	3.68E-07	1.18E-07	3.67E-12	1.11E-11	8.74E-12	2.78E-13	6.72E-12	3.71E-13	7.36975E-12	1.188E-08	3.675E-07	1.17936E-07	3.7496E-12	1.12488E-12	1.87155E-12	1.87155E-13
770	570959.2	4178486	9.17, 41784	61.20406	15.71053	62.85492	1330.20017	250.50131	2800.83581	539.4281	101.77571	895.66291	1.75E-08	4.41E-07	4.03E-07	5.39E-12	1.63E-11	1.29E-11	4.09E-13	9.88E-12	5.45E-13	1.08344E-11	1.747E-08	4.4124E-07	4.03307E-07	5.51234E-12	1.6537E-12	2.75138E-12	2.75138E-13
771	570959.2	4178526	9.17, 41785	233.18259	14.04006	12.98457	3491.90215	258.73899	2789.84609	1687.05022	110.68808	397.86928	2.34E-08	5.8E-07	1.07E-06	7.22E-12	2.18E-11	1.72E-11	5.48E-13	1.32E-11	7.31E-13	1.45122E-11	2.339E-08	5.8014E-07	1.07347E-06	7.38356E-12	2.21507E-12	3.68537E-12	3.68537E-13
772	570999.2	4178286	9.17, 41782	4.82709	7.01905	1.81527	541.05323	230.67805	782.52024	117.6944	82.70868	130.42004	4.34E-09	2.23E-07	8.29E-08	1.34E-12	4.05E-12	3.2E-12	1.02E-13	2.46E-12	1.36E-13	2.69328E-12	4.342E-09	2.2311E-07	8.29141E-08	1.3703E-12	4.11089E-13	6.83958E-13	6.83958E-14
773	570999.2	4178326	9.17, 41783	3.49216	17.23511	2.06149	334.8047	281.26172	702.77079	73.88295	121.01705	110.07877	9.95E-09	2.32E-07	5.43E-08	3.07E-12	9.27E-12	7.32E-12	2.33E-13	5.63E-12	3.11E-13	6.17277E-12	9.951E-09	2.3207E-07	5.42545E-08	3.1406E-12	9.4218E-13	1.56757E-12	1.56757E-13
774	570999.2	4178366	9.17, 41783	3.49499	15.86199	2.88936	258.09779	262.50756	719.40934	51.99585	99.38677	89.92617	9.25E-09	2.18E-07	3.92E-08	2.86E-12	8.62E-12	6.81E-12	2.17E-13	5.23E-12	2.89E-13	5.74E-12	9.253E-09	2.1815E-07	3.91559E-08	2.92041E-12	8.76124E-13	1.45767E-12	1.45767E-13
775	570999.2	4178406	9.17, 41784	4.67229	14.08019	6.50261	269.25985	258.20089	888.73579	48.54927	90.52886	138.83889	8.62E-09	2.3E-07	4.08E-08	2.66E-12	8.03E-12	6.34E-12	2.02E-13	4.88E-12	2.69E-13	5.34707E-12	8.62E-09	2.297E-07	4.08499E-08	2.7205E-12	8.16149E-13	1.35789E-12	1.35789E-13
776	570999.2	4178446	9.17, 41784	8.21208	17.59623	13.45709	365.10896	254.50285	1091.31402	80.87758	113.65243	185.77432	1.13E-08	2.49E-07	6.45E-08	3.5E-12	1.06E-11	8.34E-12	2.66E-13	6.41E-12	3.54E-13	7.03287E-12	1.134E-08	2.4947E-07	6.44933E-08	3.5782E-12	1.07346E-12	1.78599E-12	1.78599E-13
777	570999.2	4178486	9.17, 41784	18.06608	14.21786	20.31738	585.19163	263.25351	1140.06137	156.20535	101.07997	297.24229	1.06E-08	2.72E-07	1.2E-07	3.28E-12	9.89E-12	7.81E-12	2.49E-13	6E-12	3.31E-13	6.58398E-12	1.061E-08	2.7191E-07	1.19749E-07	3.34982E-12	1.00495E-12	1.672E-12	1.672E-13
778	571039.2	4178246	9.17, 41782	16.91212	6.90765	2.82369	857.31055	271.11205	1316.76682	274.95229	93.64332	189.48612	5.11E-09	3.07E-07	1.85E-07	1.58E-12	4.77E-12	3.76E-12	1.2E-13	2.89E-12	1.6E-13	3.17262E-12	5.114E-09	3.071E-07	1.84695E-07	1.61418E-12	4.84253E-13	8.05686E-13	8.05686E-14
779	571039.2	4178286	9.17, 41782	28.85834	15.10006	3.68614	1240.055	260.3069	1323.38037	549.80999	92.85324	215.01085	1.05E-08	3.26E-07	3.57E-07	3.23E-12	9.76E-12	7.71E-12	2.45E-13	5.93E-12	3.27E-13	6.50009E-12	1.048E-08	3.2555E-07	3.56516E-07	3.30713E-12	9.92139E-13	1.65069E-12	1.65069E-13
780	571039.2	4178326	9.17, 41783	6.67676	17.1171	4.10991	443.85334	276.43557	1246.54946	131.23026	111.87763	155.81868	1.02E-08	2.79E-07	9.33E-08	3.16E-12	9.55E-12	7.54E-12	2.4E-13	5.8E-12	3.2E-13	6.35499E-12	1.024E-08	2.7871E-07	9.32629E-08	3.23331E-12	9.69993E-13	1.61385E-12	1.61385E-13
781	571039.2	4178366	9.17, 41783	4.40971	16.57374	4.87433	310.01939	259.88486	992.68074	73.97776	106.04392	160.75052	9.86E-09	2.41E-07	5.83E-08	3.04E-12	9.19E-12	7.26E-12	2.31E-13	5.58E-12	3.08E-13	6.11693E-12	9.861E-09	2.4131E-07	5.82741E-08	3.11219E-12	9.33657E-13	1.55339E-12	1.55339E-13
782	571039.2	4178406	9.17, 41784	4.40492	15.47088	6.2465	249.62047	251.60574	625.26496	54.55389	95.67705	86.62547	9.36E-09	2.04E-07	4.05E-08	2.89E-12	8.72E-12	6.89E-12	2.19E-13	5.29E-12	2.92E-13	5.80336E-12	9.355E-09	2.0421E-07	4.04784E-08	2.95265E-12	8.85795E-13	1.47376E-12	1.47376E-13
783	571039.2	4178446	9.17, 41784	6.02235	17.33371	7.45895	271.18693	258.43077	565.95619	53.34538	113.33058	91.15286	1.06E-08	2.05E-07	4.01E-08	3.27E-12	9.86E-12	7.79E-12	2.48E-13	5.99E-12	3.31E-13	6.56663E-12	1.059E-08	2.0471E-07	4.00856E-08	3.34099E-12	1.0023E-12	1.66759E-12	1.66759E-13
784	571079.2	4178246	9.17, 41782	26.90238	12.76385	4.78342	686.22219	257.40547	1959.72628	294.80616	92.56412	417.67679	9.14E-09	3.39E-07	2.15E-07	2.82E-12	8.52E-12	6.73E-12	2.14E-13	5.17E-12	2.86E-13	5.67261E-12	9.144E-09	3.3905E-07	2.148E-07	2.88613E-12	8.65838E-13	1.44056E-12	1.44056E-13
785	571079.2	4178286	9.17, 41782	49.90964	15.92317	13.80121	957.6563	283.49226	4117.74908	414.11972	108.09945	689.22522	1.3E-08	5.39E-07	3.1E-07	4.02E-12	1.22E-11	9.6E-12	3.05E-13	7.38E-12	4.07E-13	8.09078E-12	1.304E-08	5.392E-07	3.09747E-07	4.11645E-12	1.23493E-12	2.05465E-12	2.05465E-13
786	571079.2	4178326	9.17, 41783	16.67986	14.36437	14.4793	793.60016	243.70787	3077.685	313.14105	91.11491	664.711	1.02E-08	4.26E-07	2.45E-07	3.13E-12	9.46E-12	7.47E-12	2.38E-13	5.74E-12	3.17E-13	6.29758E-12	1.015E-08	4.2555E-07	2.45439E-07	3.2041E-12	9.6123E-13	1.59927E-12	1.59927E-13
787	571079.2	4178366	9.17, 41783	6.18218	17.09307	7.0902	419.38901	255.0076	1488.27193	110.95083	108.56867	287.95219	1.04E-08	2.84E-07	9.11E-08	3.22E-12	9.72E-12	7.68E-12	2.44E-13	5.9E-12	3.26E-13	6.47205E-12	1.043E-08	2.8418E-07	9.10617E-08	3.29287E-12	9.8786E-13	1.64357E-12	1.64357E-13
788	571079.2	4178406	9.17, 41784	4.42977	14.91	5.35349	310.20505	209.99469	815.89349	72.09993	91.11305	117.58287	8.98E-09	2E-07	5.37E-08	2.77E-12	8.36E-12	6.61E-12	2.1E-13	5.08E-12	2.8E-13	5.5678E-12	8.975E-09	1.9979E-07	5.37394E-08	2.8328E-12	8.4984E-13	1.41394E-12	1.41394E-13
789	571119.2	4178286	9.17, 41782	25.0824	15.07438	138.00946	507.91812	256.39153	16734.57469	211.8106	106.96205	4271.60103	2.07E-08	1.48E-06	4.65E-07	6.4E-12	1.93E-11	1.53E-11	4.85E-13	1.17E-11	6.47E-13	1.28583E-11	2.073E-08	1.4823E-06	4.6478E-07	6.54208E-12	1.96262E-12	3.26536E-12	3.26536E-13
790	571119.2	4178326	9.17, 41783	197.49067	14.51391	52.98238	3348.29445	230.6601	7805.71053	1622.72219	95.52079	2122.69744	2.46E-08	9.48E-07	1.17E-06	7.58E-12	2.29E-11	1.81E-11	5.75E-13	1.39E-11	7.67E-13	1.52304E-11	2.455E-08	9.4765E-07	1.16855E-06	7.74896E-12	2.32469E-12	3.86776E-12	3.86776E-13
791	571119.2	4178366	9.17, 41783	10.01384	12.46582	9.59129	630.48898	206.62645	2115.5821	198.58486	83.22549	424.70779	8.3E-09	3.2E-07	1.56E-07	2.56E-12	7.73E-12	6.11E-12	1.94E-13	4.69E-12	2.59E-13	5.14793E-12	8.299E-09	3.1955E-07	1.55898E-07	2.61918E-12	7.85753E-13	1.30731E-12	1.30731E-13
792	571159.2	4178326	9.17, 41783	219.15803	19.05137	35.48029	3124.9508	277.70648	3646.5914	1560.39264	128.55095	753.34584	2.71E-08	6.35E-07	1.02E-06	8.35E-12	2.52E-11	1.99E-11	6.34E-13	1.53E-11	8.45E-13	1.67854E-11	2.706E-08	6.3469E-07	1.023E-06	8.5401E-12	2.56203E-12	4.26264E-12	4.26264E-13
793	570808.8	4178465	8.82, 41784	10.95844	3.34212	2.15804	1253.90468	193.66587	956.23037	302.59047	56.7134	159.37173	2.71E-09	2.61E-07	1.99E-07	8.36E-13	2.52E-12	1.99E-12	6.35E-14	1.53E-12	8.46E-14	1.68109E-12	2.71E-09	2.6071E-07	1.99418E-07	8.55309E-13	2.56593E-13	4.26912E-13	4.26912E-14
794	570823.9	4178530	3.91, 41785	3.05561	3.25593	2.40542	358.64643	197.99385	1108.94733	70.39413	63.38636	140.39269	2.19E-09	2.19E-07	5.45E-08	6.75E-13	2.04E-12	1.61E-12	5.12E-14	1.24E-12	6.83E-14	1.35682E-12	2.187E-09	2.1907E-07	5.44685E-08	6.90325E-13	2.07098E-13	3.44563E-13	3.44563E-14
795	570883.3	4178602	3.31, 41786	3.07425	4.49746	2.05933	479.66247	287.53386	914.81532	94.76169	103.00469	119.05382	2.85E-09	2.61E-07	6.79E-08	8.8E-13	2.66E-12	2.1E-12	6.68E-14	1.61E-12	8.9E-14	1.76845E-12	2.851E-09	2.6118E-07	6.78563E-08	8.99759E-13	2.69928E-13	4.49098E-13	4.49098E-14
796	571181.5	4178310	1.45, 41783	77.30582	13.12592	35.80897	2585.53888	242.23364	1672.90767	872.95261	114.20023	513.62427	1.49E-08	4.27E-07	5.8E-07	4.6E-12	1.39E-11	1.1E-11	3.49E-13	8.44E-12	4.66E-13	9.25713E-12	1.492E-08	4.2698E-07	5.79517E-07	4.70987E-12	1.41296E-12	2.35085E-12	2.35085E-13
797	571067.8	4178207	7.83, 41782	5.36607	4.9243	1.64986	895.65181	299.02694	904.65641	223.56067	96.05921	144.20823	3.2E-09	2.93E-07	1.49E-07	9.87E-13	2.98E-12	2.35E-12	7.49E-14	1.81E-12	9.99E-14	1.98455E-12	3.199E-09	2.9279E-07	1.49403E-07	1.0097E-12	3.02911E-13	5.03975E-13	5.03975E-14
798	570799.9	4178447	9.89, 41784	4.88888	2.78293	1.75814	732.83791	152.28075	768.58836	142.77112	52.0733	124.31973	1.99E-09	1.9E-07	9.79E-08	6.14E-13	1.85E-12	1.46E-12	4.66E-14	1.12E-12	6.21E-14	1.2336E-12	1.989E-09	1.9047E-07	9.79313E-08	6.27636E-13	1.88291E-13	3.13273E-13	3.13273E-14

	Trenching	Grading	Stockpile
Emissions Rate (g/s):	6.29E-11	5.58E-10	7.86E-11

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	0.039	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	0.039	10	2	70	0.85
2<9	861	1	0.854795	0.000001	0.039	3	0.55	70	0.72
Student	640	1	0.493151	0.000001	0.039	3	2.8	70	1
Worker	230	1	0.684932	0.000001	0.039	1	2.8	70	1

Chrysene

	Chronic (Annu	Acute (1hr)	8hr
REL:	1	1	1

				Concentration [μg/m^3] at 1 g/s									Concentration (μg/m^3) Unmitigated			Unmitigated Residential Dose			Risk by Age Group				Unmitigated			Student Unmitigated		Worker Unmitigated	
#	X	Y	X,Y	Trenching Period	Grading Period	Stockpile Period	Treching 1hr	Grading 1hr	Stockpile 1hr	Trenching 8hr	Grading 8hr	Stockpile 8hr	Period Total	1hr Total	8hr Total	3rd	0<2	2<9	3rd	0<2	2<9	Total Risk	Chronic	Acute	8hr	Dose	Risk	Dose	Risk
1	570310.6	4177919	0.55, 41779	0.08215	0.06425	0.08047	53.98877	25.74637	57.86027	6.7486	3.78109	7.23253	4.74E-11	2.23E-08	4.76E-09	1.46E-14	4.41E-14	3.48E-14	1.73E-17	4.18E-16	2.31E-17	4.58233E-16	4.735E-11	2.2312E-08	4.75961E-09	1.49449E-14	6.99422E-17	7.45949E-15	1.16368E-17
2	570350.6	4177919	0.55, 41779	0.08744	0.06946	0.0859	61.34869	26.43683	62.74615	7.66859	3.66465	7.84327	5.1E-11	2.35E-08	5.38E-09	1.57E-14	4.75E-14	3.75E-14	1.86E-17	4.5E-16	2.49E-17	4.93723E-16	5.102E-11	2.3544E-08	5.37898E-09	1.61024E-14	7.53594E-17	8.03724E-15	1.25381E-17
3	570390.6	4177919	0.55, 41779	0.09273	0.07514	0.09126	67.57642	27.23616	68.95787	8.44705	3.80844	8.61973	5.49E-11	2.49E-08	5.92E-09	1.7E-14	5.12E-14	4.04E-14	2.01E-17	4.85E-16	2.68E-17	5.317E-16	5.494E-11	2.487E-08	5.92346E-09	1.7341E-14	8.11559E-17	8.65545E-15	1.35025E-17
4	570430.6	4177919	0.55, 41779	0.09799	0.08123	0.09661	71.34976	28.07066	72.35504	8.91872	4.01428	9.04438	5.91E-11	2.58E-08	6.25E-09	1.82E-14	5.51E-14	4.35E-14	2.16E-17	5.21E-16	2.88E-17	5.71865E-16	5.909E-11	2.5839E-08	6.24977E-09	1.8651E-14	8.72865E-17	9.30929E-15	1.45225E-17
5	570470.6	4177919	0.55, 41779	0.10292	0.08757	0.10182	71.34124	28.88227	71.18869	8.91766	4.18506	8.89859	6.34E-11	2.62E-08	6.24E-09	1.95E-14	5.9E-14	4.66E-14	2.31E-17	5.59E-16	3.09E-17	6.13074E-16	6.335E-11	2.62E-08	6.23765E-09	1.99949E-14	9.35764E-17	9.98012E-15	1.5569E-17
6	570510.6	4177919	0.55, 41779	0.10719	0.09397	0.10631	70.57748	29.51269	72.86498	8.82218	4.31581	9.10812	6.75E-11	2.66E-08	6.19E-09	2.08E-14	6.29E-14	4.97E-14	2.47E-17	5.96E-16	3.29E-17	6.53657E-16	6.755E-11	2.6636E-08	6.19482E-09	2.13186E-14	9.97709E-17	1.06408E-14	1.65996E-17
7	570550.6	4177919	0.55, 41779	0.11095	0.10041	0.10942	80.02506	30.00614	83.29269	10.00313	4.88273	10.41159	7.16E-11	2.83E-08	7.03E-09	2.21E-14	6.67E-14	5.27E-14	2.62E-17	6.32E-16	3.49E-17	6.93097E-16	7.162E-11	2.8325E-08	7.03068E-09	2.26049E-14	1.05791E-16	1.12828E-14	1.76012E-17
8	570590.6	4177919	0.55, 41779	0.11537	0.10684	0.11183	81.14556	31.22548	84.40479	10.14319	5.49199	10.5506	7.57E-11	2.92E-08	7.13E-09	2.34E-14	7.05E-14	5.57E-14	2.76E-17	6.68E-16	3.69E-17	7.32353E-16	7.568E-11	2.9163E-08	7.12859E-09	2.38852E-14	1.11783E-16	1.19218E-14	1.85981E-17
9	570630.6	4177919	0.55, 41779	0.12154	0.11343	0.11602	82.02682	32.76834	84.97635	10.54682	6.07261	10.62204	8.01E-11	3.01E-08	7.38E-09	2.47E-14	7.46E-14	5.89E-14	2.93E-17	7.07E-16	3.9E-17	7.74891E-16	8.007E-11	3.0125E-08	7.38489E-09	2.52725E-14	1.18275E-16	1.26143E-14	1.96783E-17
10	570670.6	4177919	0.55, 41779	0.12896	0.11974	0.12346	90.28793	34.09351	94.2666	12.11861	6.60764	13.84836	8.46E-11	3.21E-08	8.61E-09	2.61E-14	7.89E-14	6.23E-14	3.09E-17	7.47E-16	4.12E-17	8.19148E-16	8.465E-11	3.2114E-08	8.61458E-09	2.67159E-14	1.2503E-16	1.33348E-14	2.08022E-17
11	570710.6	4177919	0.55, 41779	0.13589	0.12543	0.13131	92.03158	38.34133	98.54944	11.50395	7.03486	13.72911	8.89E-11	3.49E-08	8.22E-09	2.74E-14	8.28E-14	6.54E-14	3.25E-17	7.84E-16	4.33E-17	8.60069E-16	8.888E-11	3.4931E-08	8.22346E-09	2.80505E-14	1.31276E-16	1.40009E-14	2.18414E-17
12	570750.6	4177919	0.55, 41779	0.14097	0.13029	0.13561	98.93292	42.68075	106.54938	12.36662	7.25038	14.15663	9.22E-11	3.84E-08	8.79E-09	2.85E-14	8.59E-14	6.79E-14	3.37E-17	8.14E-16	4.49E-17	8.92682E-16	9.225E-11	3.8416E-08	8.79283E-09	2.91142E-14	1.36254E-16	1.45318E-14	2.26696E-17
13	570790.6	4177919	0.55, 41779	0.1434	0.13429	0.137	101.78306	44.96916	112.12821	12.72288	7.16867	14.01603	9.47E-11	4.03E-08	9E-09	2.92E-14	8.83E-14	6.97E-14	3.46E-17	8.36E-16	4.62E-17	9.16825E-16	9.474E-11	4.0311E-08	9.00304E-09	2.99016E-14	1.39939E-16	1.49248E-14	2.32827E-17
14	570830.6	4177919	0.55, 41779	0.14249	0.1373	0.1371	103.05806	46.92439	113.14313	12.88226	6.63254	14.14289	9.64E-11	4.16E-08	9.11E-09	2.97E-14	8.98E-14	7.09E-14	3.52E-17	8.5E-16	4.69E-17	9.32607E-16	9.637E-11	4.1562E-08	9.112E-09	3.04163E-14	1.42348E-16	1.51817E-14	2.36835E-17
15	570870.6	4177919	0.55, 41779	0.13915	0.13926	0.13269	113.81753	49.41272	127.10432	14.22719	6.17659	15.88804	9.69E-11	4.47E-08	1.01E-08	2.99E-14	9.03E-14	7.13E-14	3.54E-17	8.55E-16	4.72E-17	9.3781E-16	9.691E-11	4.4724E-08	1.00844E-08	3.0586E-14	1.43142E-16	1.52664E-14	2.38156E-17
16	570910.6	4177919	0.55, 41779	0.13537	0.14116	0.12571	103.09741	52.00284	118.27061	16.13684	6.50036	14.78383	9.72E-11	4.48E-08	1.12E-08	3E-14	9.05E-14	7.15E-14	3.55E-17	8.58E-16	4.73E-17	9.40466E-16	9.718E-11	4.4802E-08	1.11837E-08	3.06726E-14	1.43548E-16	1.53097E-14	2.38831E-17
17	570950.6	4177919	0.55, 41779	0.13129	0.14261	0.12523	128.63222	54.75687	154.09416	19.7206	7.6051	23.34348	9.77E-11	5.08E-08	1.41E-08	3.01E-14	9.1E-14	7.19E-14	3.57E-17	8.62E-16	4.76E-17	9.45452E-16	9.77E-11	5.0759E-08	1.4082E-08	3.08352E-14	1.44309E-16	1.53909E-14	2.40097E-17
18	570990.6	4177919	0.55, 41779	0.12715	0.1442	0.12572	126.51514	58.01026	163.29109	18.07359	9.36612	23.3273	9.84E-11	5.32E-08	1.31E-08	3.04E-14	9.16E-14	7.24E-14	3.59E-17	8.68E-16	4.79E-17	9.51895E-16	9.836E-11	5.3165E-08	1.30578E-08	3.10454E-14	1.45292E-16	1.54957E-14	2.41734E-17
19	571030.6	4177919	0.55, 41779	0.12254	0.14609	0.11762	125.39004	62.99788	174.41478	17.19472	10.49965	21.80185	9.85E-11	5.68E-08	1.24E-08	3.04E-14	9.18E-14	7.25E-14	3.6E-17	8.69E-16	4.8E-17	9.53141E-16	9.849E-11	5.6752E-08	1.23921E-08	3.1086E-14	1.45483E-16	1.5516E-14	2.4205E-17
20	571070.6	4177919	0.55, 41779	0.1201	0.14847	0.1104	126.80092	67.58831	177.9713	16.22667	10.87469	22.24641	9.91E-11	5.97E-08	1.18E-08	3.06E-14	9.23E-14	7.29E-14	3.62E-17	8.75E-16	4.83E-17	9.59024E-16	9.91E-11	5.9683E-08	1.18258E-08	3.12779E-14	1.4638E-16	1.56118E-14	2.43544E-17
21	571110.6	4177919	0.55, 41779	0.1205	0.15044	0.10927	126.62476	68.47754	165.66905	20.2586	9.61445	20.70863	1E-10	5.92E-08	1.42E-08	3.09E-14	9.33E-14	7.37E-14	3.66E-17	8.84E-16	4.88E-17	9.6905E-16	1.001E-10	5.9202E-08	1.42091E-08	3.16049E-14	1.47911E-16	1.5775E-14	2.4609E-17
22	571150.6	4177919	0.55, 41779	0.1212	0.15159	0.11602	131.66409	62.22893	172.39569	21.10658	9.19459	24.99313	1.01E-10	5.66E-08	1.51E-08	3.13E-14	9.44E-14	7.46E-14	3.7E-17	8.94E-16	4.94E-17	9.8082E-16	1.014E-10	5.6559E-08	1.50724E-08	3.19887E-14	1.49707E-16	1.59666E-14	2.49079E-17
23	571190.6	4177919	0.55, 41779	0.12215	0.15198	0.11825	137.85581	66.48698	180.99172	19.69369	10.25241	26.94632	1.02E-10	6E-08	1.43E-08	3.14E-14	9.49E-14	7.49E-14	3.72E-17	8.98E-16	4.96E-17	9.852E-16	1.018E-10	6E-08	1.43484E-08	3.21316E-14	1.50376E-16	1.60379E-14	2.50191E-17
24	571230.6	4177919	0.55, 41779	0.12354	0.15154	0.11348	148.65332	75.08948	179.38421	21.23619	9.50538	22.42303	1.01E-10	6.54E-08	1.5E-08	3.13E-14	9.44E-14	7.45E-14	3.7E-17	8.94E-16	4.93E-17	9.80042E-16	1.013E-10	6.5355E-08	1.49509E-08	3.19634E-14	1.49589E-16	1.59539E-14	2.48881E-17
25	571270.6	4177919	0.55, 41779	0.12544	0.15047	0.11372	135.01221	73.55453	181.97135	18.66937	9.80753	25.99591	1.01E-10	6.38E-08	1.36E-08	3.11E-14	9.39E-14	7.42E-14	3.68E-17	8.9E-16	4.91E-17	9.756E-16	1.008E-10	6.3844E-08	1.36375E-08	3.18185E-14	1.48911E-16	1.58816E-14	2.47753E-17
26	571310.6	4177919	0.55, 41779	0.12844	0.14895	0.1185	144.25948	74.57026	160.72945	18.03243	9.63087	20.79832	1.01E-10	6.33E-08	1.28E-08	3.1E-14	9.37E-14	7.4E-14	3.67E-17	8.87E-16	4.9E-17	9.72849E-16	1.005E-10	6.3323E-08	1.28335E-08	3.17288E-14	1.48491E-16	1.58368E-14	2.47055E-17
27	571350.6	4177919	0.55, 41779	0.13264	0.1484	0.12186	134.13439	65.82548	182.86761	16.7668	8.49886	22.85845	1.01E-10	5.95E-08	1.22E-08	3.11E-14	9.39E-14	7.42E-14	3.68E-17	8.89E-16	4.91E-17	9.74988E-16	1.008E-10	5.9545E-08	1.22094E-08	3.17985E-14	1.48817E-16	1.58717E-14	2.47598E-17
28	571390.6	4177919	0.55, 41779	0.13487	0.1464	0.12015	140.45529	51.40311	177.22554	17.55691	7.98518	22.15319	9.96E-11	5.14E-08	1.26E-08	3.07E-14	9.28E-14	7.33E-14	3.64E-17	8.79E-16	4.85E-17	9.6424E-16	9.964E-11	5.1448E-08	1.26447E-08	3.1448E-14	1.47177E-16	1.56967E-14	2.44869E-17
29	571430.6	4177919	0.55, 41779	0.14548	0.15293	0.12366	139.19794	49.3636	190.22803	17.39974	7.65374	23.7785	1.04E-10	5.13E-08	1.27E-08	3.22E-14	9.71E-14	7.67E-14	3.81E-17	9.2E-16	5.08E-17	1.00864E-15	1.042E-10	5.1252E-08	1.26748E-08	3.2896E-14	1.53953E-16	1.64194E-14	2.56143E-17
30	571470.6	4177919	0.55, 41779	0.15916	0.16179	0.13045	134.87595	45.89373	190.37308	16.85949	6.86379	23.79664	1.11E-10	4.91E-08	1.23E-08	3.41E-14	1.03E-13	8.14E-14	4.04E-17	9.76E-16	5.39E-17	1.06998E-15	1.106E-10	4.9055E-08	1.23407E-08	3.48967E-14	1.63317E-16	1.74181E-14	2.71722E-17
31	571510.6	4177919	0.55, 41779	0.17426	0.17151	0.14116	122.2315	42.4201	161.48029	15.27894	5.85942	20.18504	1.18E-10	4.41E-08	1.11E-08	3.63E-14	1.1E-13	8.67E-14	4.3E-17	1.04E-15	5.74E-17	1.13982E-15	1.178E-10	4.4051E-08	1.10753E-08	3.71744E-14	1.73976E-16	1.85549E-14	2.89457E-17
32	571550.6	4177919	0.55, 41779	0.18787	0.18026	0.15558	112.99449	35.73716	155.78517	14.12431	5.76206	19.47315	1.25E-10	3.93E-08	1.03E-08	3.85E-14	1.16E-13	9.17E-14	4.55E-17	1.1E-15	6.07E-17	1.20633E-15	1.247E-10	3.9292E-08	1.03022E-08	3.93436E-14	1.84128E-16	1.96376E-14	3.06347E-17
33	571590.6	4177919	0.55, 41779	0.19949	0.18751	0.17419	94.68734	29.26563	123.69427	11.83592	5.30509	15.46178	1.31E-10	3.2E-08	8.57E-09	4.04E-14	1.22E-13	9.63E-14	4.78E-17	1.16E-15	6.38E-17	1.26671E-15	1.309E-10	3.2007E-08	8.56578E-09	4.13129E-14	1.93344E-16	2.06206E-14	3.21681E-17
34	570310.6	4177959	0.55, 41779	0.08597	0.06676	0.0838	56.89619	26.25101	62.23098	7.11202	4.18522	7.77887	4.93E-11	2.31E-08	5.03E-09	1.52E-14	4.59E-14	3.63E-14	1.8E-17	4.35E-16	2.4E-17	4.76647E-16	4.925E-11	2.312E-08	5.02825E-09	1.55455E-14	7.27529E-17	7.75926E-15	1.21044E-17
35	570350.6	4177959	0.55, 41779	0.09204	0.07257	0.08995	58.96006	27.16756	63.77509	7.37001	4.19821	7.97189	5.34E-11	2.39E-08	5.2E-09	1.65E-14	4.97E-14	3.93E-14	1.95E-17	4.71E-16	2.6E-17	5.16401E-16	5.336E-11	2.3882E-08	5.20365E-09	1.6842E-14	7.88208E-17	8.4064E-15	1.3114E-17
36	570390.6	4177959	0.55, 41779	0.09833	0.07904	0.09639	63.0038	28.02201	66.12463	7.87548	4.15896	8.26558	5.79E-11	2.48E-08	5.54E-09	1.79E-14	5.39E-14	4.26E-14	2.11E-17	5.11E-16	2.82E-17	5.60074E-16	5.788E-11	2.4798E-08	5.54065E-09	1.82664E-14	8.54868E-17	9.11735E-15	1.42231E-17
37	570430.6	4177959	0.55, 41779	0.10461	0.08611	0.10266	70.72142	28.76698	72.80329	8.84018	4.23038	9.10041	6.27E-11	2.62E-08	6.21E-09	1.94E-14	5.84E-14	4.62E-14	2.29E-17	5.53E-16	3.05E-17	6.06854E-16	6.271E-11	2.6224E-08	6.20539E-09	1.97921E-14	9.2627E-17	9.87886E-15	1.5411E-17
38	570470.6	4177959	0.55, 41779	0.11098	0.09385	0.10929	78.78718	29.82596	80.74124	9.8484	4.47695	10.09265	6.8E-11	2.79E-08	6.91E-09	2.1E-14	6.33E-14	5E-14	2.48E-17	6E-16	3.31E-17	6.5758E-16	6.795E-11	2.7946E-08	6.90953E-09	2.14465E-14	1.0037E-16	1.07046E-14	1.66992E-17
39	570510.6	4177959	0.55, 41779	0.1169	0.10189	0.11567	83.26174	30.87615	84.48278	10.40772	4.70339	10.56035	7.33E-11	2.91E-08	7.29E-09	2.26E-14	6.83E-14	5.4E-14	2.68E-17	6.47E-16	3.57E-17	7.09464E-16	7.331E-11	2.9107E-08	7.29365E-09	2.31387E-14	1.08289E-16	1.15492E-14	1.80168E-17
40	570550.6	4177959	0.55, 41779	0.12213	0.11	0.12099	82.46075	31.83495	82.01237	10.30759	4.9071	10.25155	7.86E-11	2.94E-08	7.21E-09	2.43E-14	7.32E-14	5.78E-14	2.87E-17	6.94E-16	3.83E-17	7.605E-16	7.859E-11	2.9398E-08	7.2072E-09	2.48032E-14	1.16079E-16	1.23801E-14	1.93129E-17
41	570590.6	4177959	0.55, 41779	0.1275	0.1185	0.12492	87.61849	32.53805	91.54904	10.95231	5.6614	11.44363	8.4E-11	3.09E-08	7.7E-09	2.59E-14	7.82E-14	6.18E-14	3.07E-17	7.41E-16	4.09E-17	8.12671E-16	8.398E-11	3.0864E-08	7.70128E-09	2.65047E-14	1.24042E-16	1.32293E-14	2.06378E-17
42	570630.6	4177959	0.55, 41779	0.13429	0.12721	0.12893	94.25098	33.95012	99.61773	11.78137	6.34882	12.45222	8.96E-11	3.27E-08	8.3E-09	2.76E-14	8.35E-14	6.59E-14	3.27E-17	7.91E-16	4.36E-17	8.66901E-16	8.958E-11	3.2703E-08	8.29543E-09	2.82734E-14	1.32319E-16	1.41121E-14	2.20149E-17
43	570670.6	4177959	0.55, 41779	0.1434	0.13582	0.13624	91.47953	35.4429	96.20253	12.89467	6.97952	13.63762	9.55E-11	3.31E-08	9.08E-09	2.95E-14	8.9E-14	7.03E-14	3.49E-17	8.43E-16	4.65E-17	9.24512E-16	9.553E-11	3.3094E-08	9.08E-09	3.01523E-14	1.41113E-16	1.505E-14	2.34779E-17
44	570710.6	4177959	0.55, 41779	0.15342	0.14402	0.1467	103.54122	38.62398	108.53691	12.94265	7.57754	15.98544	1.02E-10	3.66E-08	9.29E-09	3.13E-14	9.46E-14	7.47E-14	3.71E-17	8.96E-16	4.95E-17	9.82856E-16	1.016E-10	3.6597E-08	9.29428E-09	3.20551E-14	1.50018E-16	1.59997E-14	2.49596E-17
45	570750.6	4177959	0.55, 41779	0.16261	0.1515	0.15549	105.52732	44.38977	114.23814	13.19092	8.09206	15.7724	1.07E-10	4.04E-08	9.43E-09	3.3E-14	9.97E-14	7.88E-14	3.91E-17	9.44E-16	5.21E-17	1.03554E-15	1.07E-10	4.0388E-08	9.43173E-09	3.37733E-14	1.58059E-16	1.68573E-14	2.62974E-17
46	570790.6	4177959	0.55, 41779	0.16989	0.15823	0.16076	113.60479	47.24143	124.57926	14.2006	8.3928	15.57241	1.12E-10	4.33E-08	1E-08	3.44E-14	1.04E-13	8.22E-14	4.08E-17	9.85E-16	5.44E-17	1.08033E-15	1.116E-10	4.33E-08	1.00431E-08	3.52341E-14	1.64896E-16	1.75865E-14	2.74349E-17
47	570830.6	4177959	0.55, 41779	0.1738	0.16401	0.16481	115.20896	49.45722	130.36471	14.40112	8.28774	16.29559	1.15E-10	4.51E-08	1.02E-08	3.56E-14	1.08E-13	8.5E-14	4.22E-17	1.02E-15	5.62E-17	1.11701E-15	1.154E-10	4.5093E-08	1.02245E-08	3.64304E-14	1.70494E-16	1.81836E-14	2.83664E-17
48	570870.6	4177959	0.55, 41779	0.17339	0.16851	0.16469	122.33209	52.01335	138.82114	15.29151	7.46689	17.35264	1.18E-10	4.76E-08	1.09E-08	3.64E-14	1.1E-13	8.68E-14	4.31E-17	1.04E-15	5.74E-17	1.14098E-15	1.179E-10	4.7632E-08	1.08605E-08	3.72121E-14	1.74153E-16	1.85737E-14	2.8975E-17
49	570910.6	4177959	0.55, 41779	0.16973	0.17204	0.1579	128.70888	55.67631	149.19916	16.08861	6.95954	18.64989	1.19E-10	5.09E-08	1.15E-08	3.68E-14	1.11E-13	8.77E-14	4.35E-17	1.05E-15	5.8E-17	1.15266E-15	1.191E-10	5.0893E-08	1.14575E-08	3.7593E-14	1.75935E-16	1.87639E-14	2.92716E-17
50	570950.6	4177959	0.55, 41779	0.16375	0.1746	0.15354	137.78687	58.35606	146.62449	21.41966	8.40086	22.62642	1.2E-10	5.28E-08	1.51E-08	3.7E-14	1.12E-13	8.82E-14	4.38E-17	1.06E-15	5.84E-17	1.15953E-15	1.198E-10	5.2757E-08	1.50809E-08	3.78173E-14	1.76985E-16	1.88758E-14	2.94463E-17
51	570990.6	4177959	0.55, 41779	0.1571	0.17611	0.15296	148.41379	62.43724	189.01685	21.20197	10.20575	28.13097	1.2E-10	5.9E-08	1.54E-08	3.71E-14	1.12E-13	8.85E-14	4.39E-17	1.06E-15	5.86E-17	1.1632E-15	1.202E-10	5.9034E-08	1.53782E-08	3.7937E-14	1.77545E-16	1.89356E-14	2.95395E-17
52	571030.6	4177959	0.55, 41779	0.15135	0.1787	0.14372	141.29712	68.4386	198.29024	19.05284	11.40643	25.9054	1.21E-10	6.27E-08	1.39E-08	3.72E-14	1.12E-13	8.87E-14	4.4E-17	1.06E-15	5.87E-17	1.16667E-15	1.206E-10	6.2665E-08	1.38686E-08	3.80501E-14	1.78074E-16	1.8992E-14	2.96275E-17
53	571070.6	4177959	0.55, 41779	0.14838	0.1815	0.13361	143.49488	74.36914	202.29359	18.79197	11.80682	25.2867	1.21E-10	6.64E-08	1.37E-08	3.74E-14	1.13E-13	8.92E-14	4.43E-17	1.07E-15	5.9E-17	1.1723E-15	1.211E-10	6.6428E-08	1.36579E-08	3.82337E-14	1.78934E-16	1.90837E-14	2.97705E-17
54	571110.6	4177959	0.55, 41779	0.14858	0.18375	0.13332	140.62761	73.34522	192.64407	22.74237	10.22286	24.08051	1.22E-10	6.49E-08	1.6E-08	3.78E-14	1.14E-13	9.01E-14	4.47E-17	1.08E-15	5.96E-17	1.18436E-15	1.224E-10	6.4918E-08	1.60166E-08	3.86269E-14	1.80774E-16	1.92799E-14	3.00767E-17
55	571150.6	4177959	0.55, 41779	0.14994	0.18566	0.14292	146.3467	67.83983	199.40983	22.92053	11.48399	30.37919	1.24E-10	6.27E-08	1.66E-08	3.84E-14	1.16E-13	9.15E-14	4.54E-17	1.1E-15	6.05E-17	1.2028E-15	1.243E-10	6.2736E-08	1.66222E-08	3.92284E-14	1.83589E-16	1.95802E-14	3.05451E-17
56	571190.6	4177959	0.55, 41779	0.1525	0.18616	0.14359	161.89014	78.97315	204.49698	23.12716	11.84075	29.21385	1.25E-10	7.03E-08	1.67E-08	3.85E-14	1.16E-13	9.18E-14	4.56E-17	1.1E-15	6.08E-17	1.20757E-15	1.248E-10	7.0328E-08	1.66589E-08	3.93839E-14	1.84317E-16	1.96578E-14	3.06661E-17
57	571230.6	4177959	0.55, 41779	0.15542	0.18516	0.1383	156.07845	81.92899	197.17574	22.29692	11.22006	24.64697	1.24E-10	7.1E-08	1.58E-08	3.83E-14	1.16E-13	9.13E-14	4.53E-17	1.09E-15	6.04E-17	1.19992E-15	1.24E-10	7.1037E-08	1.57845E-08	3.91345E-14	1.83149E-16	1.95333E-14	3.04719E-17
58	571270.6	4177959	0.55, 41779	0.15909	0.18379	0.14205	158.42767	82.70179	205.30007	19.80346	11.54254	29.32858	1.24E-10	7.23E-08	1.46E-08	3.82E-14	1.15E-13	9.11E-14	4.52E-17	1.09E-15	6.03E-17	1.1976E-15	1.238E-10	7.2255E-08	1.46037E-08	3.9059E-14	1.82796E-16	1.94956E-14	3.04131E-17
59	571310.6	4177959	0.55, 41779	0.1655	0.18382	0.1484	150.26158	75.50789	204.0765	18.7827	10.48328	25.50956	1.25E-10	6.76E-08	1.37E-08	3.85E-14	1.16E-13	9.18E-14	4.55E-17	1.1E-15	6.07E-17	1.20649E-15	1.247E-10	6.763E-08	1.36697E-08	3.93489E-14	1.84153E-16	1.96403E-14	3.06388E-17
60	571350.6	4177959	0.55, 41779	0.17654	0.1881	0.15257	154.82597	60.83045	189.56737	19.35325	9.71095	23.69592	1.28E-10	5.86E-08	1.39E-08	3.95E-14	1.19E-13	9.43E-14	4.68E-17	1.13E-15	6.24E-17	1.2395E-15	1.281E-10	5.8583E-08	1.38815E-08	4.04254E-14	1.89191E-16	2.01776E-14	3.1477E-17
61	571390.6	4177959	0.55, 41779	0.18842	0.1934	0.15428	152.92189	54.55359	214.59873	19.11524	9.16318	26.82484	1.32E-10	5.69E-08	1.4E-08	4.07E-14	1.23E-13	9.71E-14	4.82E-17	1.16E-15	6.43E-17	1.27666E-15	1.319E-10	5.6927E-08	1.39796E-08	4.16372E-14	1.94862E-16	2.07825E-14	3.24206E-17
62	571430.6	4177959	0.55, 41779	0.20645	0.20414	0.16292	148.33328	50.38722	217.66749	18.54166	8.09078	27.20844	1.4E-10	5.46E-08	1.37E-08	4.31E-14	1.3E-13	1.03E-13	5.1E-17	1.23E-15	6.81E-17	1.35221E-15	1.397E-10	5.4554E-08	1.36535E-08	4.41014E-14	2.06394E-16	2.20124E-14	3.43393E-17
63	571470.6	4177959	0.55, 41779	0.22554	0.21577	0.17809	134.13897	46.24246	185.84967	16.76737	6.92684	23.23121	1.49E-10	4.88E-08	1.22E-08	4.59E-14	1.38E-13	1.09E-13	5.43E-17	1.31E-15	7.24E-17	1.43818E-15	1.486E-10	4.8848E-08	1.2239E-08	4.69053E-14	2.19517E-16	2.34119E-14	3.65226E-17
64	571510.6	4177959	0.55, 41779	0.24332	0.22654	0.20114	122.33786	38.55117	174.21255	15.29223	6.75463	21.77657	1.58E-10	4.29E-08	1.12E-08	4.86E-14	1.47E-13	1.16E-13	5.76E-17	1.39E-15	7.68E-17	1.5247E-15	1.576E-10	4.2898E-08	1.12086E-08	4.97271E-14	2.32723E-16	2.48204E-14	3.87198E-17
65	571550.6	4177959	0.55, 41779	0.25539	0.23344	0.22684	100.38932	31.1899	131.18831	12.54867	6.13877	16.39854	1.64E-10	3.4E-08	9.08E-09	5.07E-14	1.53E-13	1.21E-13	6E-17	1.45E-15	8E-17	1.58886E-15	1.642E-10	3.4029E-08	9.08205E-09	5.18195E-14	2.42515E-16	2.58648E-14	4.03491E-17
66	571590.6	4177959	0.55, 41779	0.26174	0.2364	0.25018	103.20811	24.1035	113.64553	12.90101	5.55119	14.20569	1.68E-10	2.89E-08	9.13E-09	5.19E-14	1.57E-13	1.24E-13	6.14E-17	1.48E-15	8.19E-17	1.62646E-15	1.681E-10	2.8872E-08	9.12858E-09	5.30458E-14	2.48254E-16	2.64769E-14	4.13039E-17
67	570310.6	4177999	0.55, 41779	0.08992	0.06909	0.08739	61.55411	26.71644	63.33313	7.69426	4.42886	7.91664	5.11E-11	2.38E-08	5.4E-09	1.58E-14	4.76E-14	3.76E-14	1.87E-17	4.51E-16	2.49E-17	4.94366E-16	5.109E-11	2.3759E-08	5.40069E-09	1.61234E-14	7.54575E-17	8.0477E-15	1.25544E-17
68	570350.6	4177999	0.55, 41779	0.09687	0.07551	0.09431	63.16088	27.72336	68.96816	7.89511	4.52605	8.62102	5.56E-11	2.49E-08	5.58E-09	1.72E-14	5.19E-14	4.1E-14	2.03E-17	4.91E-16	2.71E-17	5.38536E-16	5.565E-11	2.4865E-08	5.58077E-09	1.7564E-14	8.21993E-17	8.76673E-15	1.36761E-17
69	570390.6	4177999	0.55, 41779	0.10411	0.08268	0.10154	65.18315	28.66629	70.59128	8.14789	4.5901	8.82391	6.07E-11	2.56E-08	5.75E-09	1.87E-14	5.65E-14	4.47E-14	2.22E-17	5.35E-16	2.96E-17	5.87169E-16	6.068E-11	2.5646E-08	5.75371E-09	1.91501E-14	8.96225E-17	9.55843E-15	1.49111E-17
70	570430.6	4177999	0.55, 41779	0.11178	0.0909	0.10932	69.77828	29.77159	73.90272	8.72229	4.64595	9.23784	6.64E-11	2.68E-08	6.14E-09	2.05E-14	6.18E-14	4.88E-14	2.42E-17	5.86E-16	3.23E-17	6.42154E-16	6.636E-11	2.6812E-08	6.14297E-09	2.09434E-14	9.80151E-17	1.04535E-14	1.63075E-17
71	570470.6	4177999	0.55, 41779	0.11947	0.09994	0.11702	73.23749	30.82615	79.61188	9.15469	4.70414	9.95148	7.25E-11	2.81E-08	6.47E-09	2.24E-14	6.75E-14	5.34E-14	2.65E-17	6.4E-16	3.53E-17	7.0152E-16	7.249E-11	2.8066E-08	6.46759E-09	2.28796E-14	1.07076E-16	1.14199E-14	1.78151E-17
72	570510.6	4177999	0.55, 41779	0.12689	0.1096	0.1248	83.36058	31.87471	86.19643	10.42007	5.00665	10.77455	7.9E-11	2.98E-08	7.32E-09	2.44E-14	7.36E-14	5.81E-14	2.88E-17	6.97E-16	3.85E-17	7.64132E-16	7.896E-11	2.9806E-08	7.31815E-09	2.49216E-14	1.16633E-16	1.24392E-14	1.94051E-17
73	570550.6	4177999	0.55, 41779	0.1338	0.11968	0.13227	93.92369	33.13511	96.59692	11.74046	5.30601	12.07462	8.56E-11	3.2E-08	8.24E-09	2.64E-14	7.98E-14	6.3E-14	3.13E-17	7.55E-16	4.17E-17	8.28467E-16	8.561E-11	3.199E-08	8.24035E-09	2.70198E-14	1.26453E-16	1.34865E-14	2.10389E-17
74	570590.6	4177999	0.55, 41779	0.14077	0.13095	0.13895	98.98148	34.43475	100.81152	12.37268	5.77536	12.60144	9.29E-11	3.34E-08	8.67E-09	2.87E-14	8.65E-14	6.83E-14	3.39E-17	8.2E-16	4.52E-17	8.98665E-16	9.286E-11	3.3365E-08	8.6744E-09	2.93093E-14	1.37168E-16	1.46292E-14	2.28216E-17
75	570630.6	4177999	0.55, 41779	0.14863	0.14246	0.14416	96.29887	35.58815	97.29546	12.03736	6.62596	12.16193	1E-10	3.36E-08	8.43E-09	3.09E-14	9.34E-14	7.37E-14	3.66E-17	8.84E-16	4.88E-17	9.69584E-16	1.002E-10	3.3564E-08	8.43161E-09	3.16223E-14	1.47992E-16	1.57837E-14	2.46226E-17
76	570670.6	4177999	0.55, 41779	0.15906	0.15417	0.15133	108.0953	37.02771	115.61321	13.51191	7.37805	14.45165	1.08E-10	3.65E-08	9.53E-09	3.33E-14	1.01E-13	7.94E-14	3.94E-17	9.53E-16	5.26E-17	1.04464E-15	1.079E-10	3.6548E-08	9.52731E-09	3.40701E-14	1.59448E-16	1.70055E-14	2.65285E-17
77	570710.6	4177999	0.55, 41779	0.17207	0.16581	0.16328	109.21603	39.28347	116.55796	14.39109	8.06843	17.60456	1.16E-10	3.8E-08	1.03E-08	3.59E-14	1.08E-13	8.55E-14	4.25E-17	1.03E-15	5.66E-17	1.12452E-15	1.162E-10	3.7952E-08	1.03211E-08	3.66753E-14	1.7164E-16	1.83058E-14	2.8557E-17
78	570750.6	4177999	0.55, 41779	0.18601	0.17706	0.17647	119.66853	46.10023	126.10142	14.95857	8.7788	16.77146	1.24E-10	4.32E-08	1.06E-08	3.84E-14	1.16E-13	9.16E-14	4.54E-17	1.1E-15	6.06E-17	1.2038E-15	1.244E-10	4.3164E-08	1.06081E-08	3.92609E-14	1.83741E-16	1.95964E-14	3.05704E-17
79	570790.6	4177999	0.55, 41779	0.19953	0.18772	0.18696	122.67556	49.8289	134.57394	15.33445	9.45426	16.82174	1.32E-10	4.61E-08	1.08E-08	4.07E-14	1.23E-13	9.72E-14	4.82E-17	1.17E-15	6.43E-17	1.27758E-15	1.32E-10	4.61E-08	1.08455E-08	4.16674E-14	1.95003E-16	2.07975E-14	3.24441E-17
80	570830.6	4177999	0.55, 41779	0.21109	0.19773	0.1968	133.54261	52.4094	148.58094	16.69283	9.90962	18.57262	1.39E-10	4.93E-08	1.18E-08	4.29E-14	1.3E-13	1.02E-13	5.08E-17	1.23E-15	6.78E-17	1.34617E-15	1.391E-10	4.9324E-08	1.18267E-08	4.39043E-14	2.05472E-16	2.1914E-14	3.41859E-17
81	570870.6	4177999	0.55, 41779	0.21804	0.20674	0.20398	131.45449	55.15858	156.57352	16.43181	9.77159	19.57169	1.45E-10	5.14E-08	1.17E-08	4.48E-14	1.35E-13	1.07E-13	5.3E-17	1.28E-15	7.07E-17	1.40453E-15	1.451E-10	5.1356E-08	1.17431E-08	4.58076E-14	2.1438E-16	2.2864E-14	3.56679E-17
82	570910.6	4177999	0.55, 41779	0.21803	0.21414	0.20286	148.11273	59.13207	173.84644	18.51409	8.43226	21.73081	1.49E-10	5.6E-08	1.32E-08	4.6E-14	1.39E-13	1.1E-13	5.45E-17	1.32E-15	7.27E-17	1.44364E-15	1.492E-10	5.5978E-08	1.32059E-08	4.70834E-14	2.2035E-16	2.35008E-14	3.66613E-17
83	570950.6	4177999	0.55, 41779	0.2114	0.21889	0.19586	140.12444	63.58464	170.21851	21.83562	9.32684	21.27731	1.51E-10	5.77E-08	1.52E-08	4.66E-14	1.41E-13	1.11E-13	5.51E-17	1.33E-15	7.35E-17	1.45995E-15	1.509E-10	5.7676E-08	1.52332E-08	4.76151E-14	2.22839E-16	2.37662E-14	3.70753E-17
84	570990.6	4177999	0.55, 41779	0.2013	0.22185	0.19061	171.25011	67.61488	221.4052	25.43318	11.18299	33.45295	1.51E-10	6.59E-08	1.84E-08	4.67E-14	1.41E-13	1.11E-13	5.53E-17	1.34E-15	7.38E-17	1.4658E-15	1.515E-10	6.5905E-08	1.84242E-08	4.7806E-14	2.23732E-16	2.38615E-14	3.72239E-17
85	571030.6	4177999	0.55, 41779	0.19301	0.22456	0.1804	161.4506	75.02365	233.40135	21.94671	12.50394	33.34305	1.52E-10	7.04E-08	1.63E-08	4.68E-14	1.41E-13	1.12E-13	5.54E-17	1.34E-15	7.39E-17	1.46763E-15	1.517E-10	7.0367E-08	1.62503E-08	4.78658E-14	2.24012E-16	2.38913E-14	3.72705E-17
86	571070.6	4177999	0.55, 41779	0.18927	0.22808	0.16676	165.36156	82.48884	231.46597	21.97245	12.95225	28.93325	1.52E-10	7.46E-08	1.59E-08	4.7E-14	1.42E-13	1.12E-13	5.56E-17	1.34E-15	7.42E-17	1.474E-15	1.523E-10	7.4628E-08	1.59197E-08	4.80735E-14	2.24984E-16	2.3995E-14	3.74322E-17
87	571110.6	4177999	0.55, 41779	0.18141	0.21619	0.16049	158.60632	80.72549	237.56536	25.62624	11.81551	29.69982	1.45E-10	7.37E-08	1.82E-08	4.46E-14	1.35E-13	1.06E-13	5.29E-17	1.28E-15	7.05E-17	1.40022E-15	1.447E-10	7.3698E-08	1.82492E-08	4.56673E-14	2.13723E-16	2.2794E-14	3.55586E-17
88	571150.6	4177999	0.55, 41779	0.19202	0.23351	0.18032	164.05988	80.42402	231.86209	24.96785	14.13496	37.65816	1.57E-10	7.34E-08	1.85E-08	4.83E-14	1.46E-13	1.15E-13	5.72E-17	1.38E-15	7.63E-17	1.51532E-15	1.566E-10	7.3424E-08	1.84656E-08	4.9421E-14	2.3129E-16	2.46676E-14	3.84814E-17
89	571190.6	4177999	0.55, 41779	0.1978	0.23414	0.17819	182.21875	91.74664	241.78028	26.03125	13.21695	31.92825	1.57E-10	8.17E-08	1.87E-08	4.85E-14	1.46E-13	1.16E-13	5.74E-17	1.39E-15	7.65E-17	1.52062E-15	1.571E-10	8.1665E-08	1.86759E-08	4.95938E-14	2.32099E-16	2.47538E-14	3.8616E-17
90	571230.6	4177999	0.55, 41779	0.20367	0.23289	0.17473	172.67663	91.69738	231.55794	22.62496	13.85272	33.07971	1.57E-10	8.02E-08	1.67E-08	4.83E-14	1.46E-13	1.15E-13	5.72E-17	1.38E-15	7.63E-17	1.5148E-15	1.565E-10	8.0235E-08	1.66508E-08	4.94042E-14	2.31212E-16	2.46592E-14	3.84684E-17
91	571270.6	4177999	0.55, 41779	0.21358	0.23476	0.18394	171.66845	86.35935	210.57834	21.45856	13.01074	28.58393	1.59E-10	7.55E-08	1.56E-08	4.9E-14	1.48E-13	1.17E-13	5.81E-17	1.4E-15	7.74E-17	1.53794E-15	1.589E-10	7.5543E-08	1.55731E-08	5.01587E-14	2.34743E-16	2.50358E-14	3.90559E-17
92	571310.6	4177999	0.55, 41779	0.23025	0.24083	0.19159	171.26207	72.34733	231.62674	21.40776	11.81711	28.95334	1.64E-10	6.94E-08	1.56E-08	5.06E-14	1.53E-13	1.21E-13	5.99E-17	1.45E-15	7.99E-17	1.58668E-15	1.64E-10	6.935E-08	1.55706E-08	5.17485E-14	2.42183E-16	2.58293E-14	4.02938E-17
93	571350.6	4177999	0.55, 41779	0.25373	0.25254	0.198	169.27826	60.68614	249.61103	21.15978	11.13084	31.20138	1.72E-10	6.41E-08	1.56E-08	5.32E-14	1.61E-13	1.27E-13	6.3E-17	1.52E-15	8.4E-17	1.6691E-15	1.725E-10	6.4129E-08	1.55932E-08	5.44364E-14	2.54762E-16	2.71709E-14	4.23867E-17
94	571390.6	4177999	0.55, 41779	0.27999	0.26698	0.21185	164.13881	55.69534	253.30621	20.51735	9.69774	31.66328	1.83E-10	6.13E-08	1.52E-08	5.66E-14	1.71E-13	1.35E-13	6.7E-17	1.62E-15	8.93E-17	1.77361E-15	1.833E-10	6.1311E-08	1.52305E-08	5.78449E-14	2.70714E-16	2.88722E-14	4.50407E-17
95	571430.6	4177999	0.55, 41779	0.30187	0.27888	0.2328	148.06777	50.74185	217.39094	18.50847	8.30154	27.17387	1.93E-10	5.47E-08	1.36E-08	5.95E-14	1.8E-13	1.42E-13	7.05E-17	1.7E-15	9.4E-17	1.86713E-15	1.929E-10	5.4713E-08	1.36301E-08	6.0895E-14	2.84989E-16	3.03947E-14	4.74157E-17
96	571470.6	4177999	0.55, 41779	0.32222	0.29016	0.268	133.22849	41.8567	195.88733	16.65356	8.00082	24.48592	2.03E-10	4.71E-08	1.23E-08	6.27E-14	1.89E-13	1.5E-13	7.43E-17	1.79E-15	9.9E-17	1.96721E-15	2.033E-10	4.7131E-08	1.22669E-08	6.4159E-14	3.00264E-16	3.20238E-14	4.99571E-17
97	571510.6	4177999	0.55, 41779	0.33311	0.29527	0.30394	113.25391	33.39085	138.27651	14.15674	7.16119	17.28456	2.1E-10	3.66E-08	1.02E-08	6.47E-14	1.95E-13	1.54E-13	7.66E-17	1.85E-15	1.02E-16	2.02876E-15	2.096E-10	3.6623E-08	1.01504E-08	6.61666E-14	3.0966E-16	3.30259E-14	5.15204E-17
98	571550.6	4177999	0.55, 41779	0.33431	0.29408	0.33024	118.79132	25.19774	142.42424	14.84891	6.75336	17.80303	2.11E-10	3.27E-08	1.06E-08	6.51E-14	1.97E-13	1.55E-13	7.71E-17	1.86E-15	1.03E-16	2.04306E-15	2.111E-10	3.2724E-08	1.0621E-08	6.6633E-14	3.11842E-16	3.32587E-14	5.18835E-17
99	571590.6	4177999	0.55, 41779	0.32897	0.28857	0.34209	117.12124	19.87515	150.29933	14.64016	6.7762	18.78742	2.09E-10	3.03E-08	1.06E-08	6.44E-14	1.94E-13	1.54E-13	7.62E-17	1.84E-15	1.02E-16	2.01906E-15	2.086E-10	3.0266E-08	1.05687E-08	6.58502E-14	3.08179E-16	3.28679E-14	5.1274E-17
100	570310.6	4178039	0.55, 41780	0.09395	0.07118	0.09114	60.38117	27.45867	68.75884	7.54765	4.57644	8.59485	5.28E-11	2.45E-08	5.36E-09	1.63E-14	4.92E-14	3.89E-14	1.93E-17	4.66E-16	2.57E-17	5.10959E-16	5.28E-11	2.4526E-08	5.36292E-09	1.66646E-14	7.79901E-17	8.31781E-15	1.29758E-17
101	570350.6	4178039	0.55, 41780	0.10181	0.07823	0.09867	67.40685	28.30867	69.9761	8.42586	4.71811	8.74701	5.78E-11	2.55E-08	5.92E-09	1.78E-14	5.39E-14	4.26E-14	2.11E-17	5.1E-16	2.82E-17	5.59549E-16	5.782E-11	2.5538E-08	5.9203E-09	1.82493E-14	8.54067E-17	9.10881E-15	1.42097E-17
102	570390.6	4178039	0.55, 41780	0.11033	0.08626	0.10708	70.86935	29.39362	77.00767	8.85867	4.86131	9.62596	6.35E-11	2.69E-08	6.26E-09	1.96E-14	5.92E-14	4.67E-14	2.32E-17	5.6E-16	3.09E-17	6.14504E-16	6.35E-11	2.6913E-08	6.25817E-09	2.00416E-14	9.37947E-17	1.00034E-14	1.56053E-17
103	570430.6	4178039	0.55, 41780	0.11935	0.09539	0.11615	72.77771	30.53752	78.92837	9.09721	4.99157	9.86605	6.99E-11	2.78E-08	6.43E-09	2.16E-14	6.51E-14	5.14E-14	2.55E-17	6.17E-16	3.4E-17	6.76207E-16	6.988E-11	2.7823E-08	6.42518E-09	2.2054E-14	1.03213E-16	1.10079E-14	1.71723E-17
104	570470.6	4178039	0.55, 41780	0.12876	0.10583	0.1256	77.88414	31.78332	83.40463	9.73552	5.12346	10.42558	7.7E-11	2.92E-08	6.87E-09	2.38E-14	7.18E-14	5.67E-14	2.81E-17	6.8E-16	3.75E-17	7.45513E-16	7.704E-11	2.9191E-08	6.86558E-09	2.43144E-14	1.13791E-16	1.21361E-14	1.89323E-17
105	570510.6	4178039	0.55, 41780	0.13797	0.11733	0.13491	81.61557	33.05226	90.60057	10.20195	5.27698	11.32507	8.48E-11	3.07E-08	7.23E-09	2.62E-14	7.9E-14	6.24E-14	3.1E-17	7.48E-16	4.13E-17	8.20316E-16	8.477E-11	3.0699E-08	7.22594E-09	2.6754E-14	1.25209E-16	1.33538E-14	2.08319E-17
106	570550.6	4178039	0.55, 41780	0.14677	0.12979	0.14418	83.22783	34.40977	92.92473	10.40348	5.64664	11.61559	9.3E-11	3.17E-08	7.37E-09	2.87E-14	8.67E-14	6.84E-14	3.4E-17	8.21E-16	4.53E-17	9.00026E-16	9.3E-11	3.1741E-08	7.37393E-09	2.93537E-14	1.37375E-16	1.46514E-14	2.28561E-17
107	570590.6	4178039	0.55, 41780	0.15543	0.14397	0.15331	100.7883	35.81672	104.85134	12.59854	6.05306	13.10642	1.02E-10	3.46E-08	8.85E-09	3.15E-14	9.52E-14	7.52E-14	3.73E-17	9.02E-16	4.98E-17	9.88835E-16	1.022E-10	3.4567E-08	8.85435E-09	3.22501E-14	1.50931E-16	1.60971E-14	2.51114E-17
108	570630.6	4178039	0.55, 41780	0.16446	0.15887	0.16086	114.63184	37.47906	118.86748	14.32898	6.85921	14.85844	1.12E-10	3.75E-08	1.01E-08	3.45E-14	1.04E-13	8.22E-14	4.08E-17	9.85E-16	5.44E-17	1.08056E-15	1.117E-10	3.7467E-08	1.00667E-08	3.52416E-14	1.64931E-16	1.75902E-14	2.74407E-17
109	570670.6	4178039	0.55, 41780	0.17604	0.17458	0.16859	120.19022	39.09251	122.97013	15.02378	7.81169	15.37127	1.22E-10	3.9E-08	1.05E-08	3.76E-14	1.13E-13	8.96E-14	4.45E-17	1.07E-15	5.93E-17	1.17834E-15	1.218E-10	3.9039E-08	1.05385E-08	3.84308E-14	1.79856E-16	1.9182E-14	2.9924E-17
110	570710.6	4178039	0.55, 41780	0.19156	0.191	0.18153	122.05191	40.81454	130.55962	15.86896	8.63568	17.88475	1.33E-10	4.07E-08	1.13E-08	4.1E-14	1.24E-13	9.78E-14	4.86E-17	1.17E-15	6.48E-17	1.28632E-15	1.329E-10	4.0714E-08	1.12609E-08	4.19525E-14	1.96338E-16	2.09398E-14	3.26661E-17
111	570750.6	4178039	0.55, 41780	0.2105	0.20761	0.19902	132.53323	47.68084	144.79481	16.56665	9.43658	19.64627	1.45E-10	4.63E-08	1.18E-08	4.47E-14	1.35E-13	1.07E-13	5.29E-17	1.28E-15	7.05E-17	1.40087E-15	1.448E-10	4.6324E-08	1.18327E-08	4.56883E-14	2.13821E-16	2.28045E-14	3.5575E-17
112	570790.6	4178039	0.55, 41780	0.23169	0.22417	0.21523	139.552	52.7884	147.64201	17.444	10.33029	19.40572	1.57E-10	4.98E-08	1.24E-08	4.83E-14	1.46E-13	1.15E-13	5.72E-17	1.38E-15	7.63E-17	1.51554E-15	1.566E-10	4.984E-08	1.23587E-08	4.94282E-14	2.31324E-16	2.46712E-14	3.84871E-17
113	570830.6	4178039	0.55, 41780	0.25382	0.24067	0.23208	145.24751	55.81087	161.73262	18.15594	11.28689	20.21658	1.69E-10	5.3E-08	1.29E-08	5.2E-14	1.57E-13	1.24E-13	6.16E-17	1.49E-15	8.21E-17	1.63095E-15	1.685E-10	5.2992E-08	1.28645E-08	5.31921E-14	2.48939E-16	2.65499E-14	4.14178E-17
114	570870.6	4178039	0.55, 41780	0.27385	0.25672	0.25028	159.27674	59.06353	181.66903	19.90959	12.04587	22.70863	1.8E-10	5.73E-08	1.41E-08	5.56E-14	1.68E-13	1.33E-13	6.58E-17	1.59E-15	8.78E-17	1.74367E-15	1.802E-10	5.7256E-08	1.41495E-08	5.68685E-14	2.66145E-16	2.83849E-14	4.42804E-17
115	570910.6	4178039	0.55, 41780	0.28498	0.272	0.26185	154.31681	63.03506	190.144	19.2896	11.80173	23.768	1.9E-10	5.98E-08	1.38E-08	5.87E-14	1.77E-13	1.4E-13	6.95E-17	1.68E-15	9.27E-17	1.84178E-15	1.903E-10	5.9827E-08	1.38477E-08	6.00683E-14	2.81119E-16	2.9982E-14	4.67719E-17
116	570950.6	4178039	0.55, 41780	0.28313	0.28254	0.2606	178.15221	69.82475	214.80591	22.26903	10.41815	26.85074	1.96E-10	6.71E-08	1.59E-08	6.05E-14	1.83E-13	1.44E-13	7.16E-17	1.73E-15	9.55E-17	1.89664E-15	1.96E-10	6.7053E-08	1.59403E-08	6.18575E-14	2.89493E-16	3.0875E-14	4.81651E-17
117	570990.6	4178039	0.55, 41780	0.27042	0.28832	0.24711	188.87787	74.10995	223.28286	29.14051	12.35166	34.29706	1.97E-10	7.08E-08	2.08E-08	6.09E-14	1.84E-13	1.45E-13	7.21E-17	1.74E-15	9.61E-17	1.90987E-15	1.974E-10	7.0786E-08	2.0793E-08	6.22891E-14	2.91513E-16	3.10905E-14	4.85011E-17
118	571030.6	4178039	0.55, 41780	0.25749	0.29249	0.23391	188.96663	83.29257	277.8919	26.99523	13.88209	39.69884	1.98E-10	8.02E-08	1.99E-08	6.1E-14	1.84E-13	1.46E-13	7.23E-17	1.75E-15	9.64E-17	1.9145E-15	1.978E-10	8.0208E-08	1.98851E-08	6.24399E-14	2.92219E-16	3.11657E-14	4.86186E-17
119	571070.6	4178039	0.55, 41780	0.25163	0.29646	0.21613	192.59035	92.57991	271.23553	26.01862	14.40126	34.27332	1.98E-10	8.51E-08	1.89E-08	6.12E-14	1.85E-13	1.46E-13	7.24E-17	1.75E-15	9.66E-17	1.91886E-15	1.983E-10	8.5097E-08	1.88523E-08	6.25821E-14	2.92884E-16	3.12367E-14	4.87293E-17
120	571110.6	4178039	0.55, 41780	0.23996	0.28057	0.20816	179.79911	89.13384	295.00102	29.33997	15.522	36.88643	1.88E-10	8.42E-08	2.11E-08	5.8E-14	1.75E-13	1.38E-13	6.87E-17	1.66E-15	9.16E-17	1.81986E-15	1.881E-10	8.4237E-08	2.11204E-08	5.93535E-14	2.77774E-16	2.96252E-14	4.62153E-17
121	571150.6	4178039	0.55, 41780	0.25767	0.30302	0.23363	202.30498	100.11261	284.90591	28.90071	16.95197	47.48432	2.04E-10	9.1E-08	2.17E-08	6.29E-14	1.9E-13	1.5E-13	7.44E-17	1.8E-15	9.92E-17	1.97127E-15	2.037E-10	9.0987E-08	2.16803E-08	6.42917E-14	3.00885E-16	3.209E-14	5.00604E-17
122	571190.6	4178039	0.55, 41780	0.27122	0.30641	0.22867	194.68377	101.89225	297.80862	27.81197	16.7188	37.22608	2.06E-10	9.25E-08	2.02E-08	6.36E-14	1.92E-13	1.52E-13	7.53E-17	1.82E-15	1E-16	1.99406E-15	2.061E-10	9.2515E-08	2.01981E-08	6.50347E-14	3.04363E-16	3.24609E-14	5.0639E-17
123	571230.6	4178039	0.55, 41780	0.28804	0.31092	0.2326	196.84209	99.06119	294.63263	24.60526	16.26482	42.09038	2.1E-10	9.08E-08	1.86E-08	6.48E-14	1.96E-13	1.55E-13	7.67E-17	1.85E-15	1.02E-16	2.03164E-15	2.099E-10	9.0821E-08	1.85887E-08	6.62605E-14	3.10099E-16	3.30727E-14	5.15934E-17
124	571270.6	4178039	0.55, 41780	0.31661	0.32283	0.24843	191.8709	85.51951	280.99547	23.98386	14.63938	35.12443	2.2E-10	8.19E-08	1.77E-08	6.78E-14	2.05E-13	1.62E-13	8.02E-17	1.94E-15	1.07E-16	2.12539E-15	2.196E-10	8.1878E-08	1.76554E-08	6.93182E-14	3.24409E-16	3.45989E-14	5.39743E-17
125	571310.6	4178039	0.55, 41780	0.35598	0.34149	0.26147	189.38373	68.10225	290.04443	23.67297	13.72977	36.25555	2.34E-10	7.27E-08	1.76E-08	7.21E-14	2.18E-13	1.72E-13	8.53E-17	2.06E-15	1.14E-16	2.26006E-15	2.335E-10	7.271E-08	1.75512E-08	7.37101E-14	3.44963E-16	3.67911E-14	5.73941E-17
126	571350.6	4178039	0.55, 41780	0.39399	0.35989	0.2835	182.95784	62.01914	299.45287	22.86973	11.81322	37.43161	2.48E-10	6.96E-08	1.71E-08	7.65E-14	2.31E-13	1.82E-13	9.06E-17	2.19E-15	1.21E-16	2.39932E-15	2.479E-10	6.9649E-08	1.71448E-08	7.82522E-14	3.6622E-16	3.90582E-14	6.09308E-17
127	571390.6	4178039	0.55, 41780	0.4222	0.3733	0.32107	164.47464	56.17724	258.72398	20.55933	10.13431	32.3405	2.6E-10	6.2E-08	1.53E-08	8.03E-14	2.42E-13	1.91E-13	9.5E-17	2.3E-15	1.27E-16	2.51749E-15	2.601E-10	6.2026E-08	1.53098E-08	8.21062E-14	3.84257E-16	4.09818E-14	6.39316E-17
128	571430.6	4178039	0.55, 41780	0.44026	0.38105	0.3744	146.31006	45.8458	221.86738	18.28876	9.60517	27.73342	2.7E-10	5.22E-08	1.35E-08	8.33E-14	2.51E-13	1.99E-13	9.86E-17	2.38E-15	1.31E-16	2.61089E-15	2.698E-10	5.2222E-08	1.35377E-08	8.51524E-14	3.98513E-16	4.25023E-14	6.63036E-17
129	571470.6	4178039	0.55, 41780	0.44344	0.3799	0.42037	134.05635	35.96521	154.66668	16.75704	8.42199	19.33334	2.73E-10	4.07E-08	1.19E-08	8.42E-14	2.54E-13	2.01E-13	9.97E-17	2.41E-15	1.33E-16	2.64157E-15	2.73E-10	4.0656E-08	1.19263E-08	8.61529E-14	4.03196E-16	4.30017E-14	6.70826E-17
130	571510.6	4178039	0.55, 41780	0.43369	0.37075	0.44522	135.2804	26.4112	176.84451	16.91005	8.14543	22.10556	2.69E-10	3.71E-08	1.22E-08	8.31E-14	2.51E-13	1.98E-13	9.83E-17	2.38E-15	1.31E-16	2.60511E-15	2.692E-10	3.7142E-08	1.22392E-08	8.49637E-14	3.9763E-16	4.24081E-14	6.61567E-17
131	571550.6	4178039	0.55, 41780	0.4157	0.35641	0.44493	128.00174	25.24959	172.96462	16.00022	7.84928	21.62058	2.6E-10	3.57E-08	1.16E-08	8.02E-14	2.42E-13	1.91E-13	9.5E-17	2.29E-15	1.27E-16	2.51648E-15	2.6E-10	3.5731E-08	1.1636E-08	8.20732E-14	3.84103E-16	4.09654E-14	6.3906E-17
132	571590.6	4178039	0.55, 41780	0.38889	0.33646	0.4222	114.21376	28.264	151.26331	14.27672	7.21894	18.90791	2.45E-10	3.48E-08	1.04E-08	7.57E-14	2.29E-13	1.81E-13	8.97E-17	2.17E-15	1.2E-16	2.37512E-15	2.454E-10	3.4842E-08	1.03525E-08	7.74629E-14	3.62526E-16	3.86642E-14	6.03161E-17
133	570310.6	4178079	0.55, 41780	0.09792	0.07296	0.09477	71.40728	28.01469	77.09789	8.92591	4.66912	9.63724	5.43E-11	2.62E-08	6.3E-09	1.68E-14	5.06E-14	4E-14	1.98E-17	4.79E-16	2.65E-17	5.2575E-16	5.433E-11	2.6185E-08	6.30082E-09	1.71469E-14	8.02477E-17	8.55859E-15	1.33514E-17
134	570350.6	4178079	0.55, 41780	0.1067	0.08065	0.10312	70.03301	29.10671	80.22931	8.75413	4.85112	10.02866	5.98E-11	2.7E-08	6.22E-09	1.85E-14	5.57E-14	4.4E-14	2.19E-17	5.28E-16	2.91E-17	5.7898E-16	5.983E-11	2.6954E-08	6.22488E-09	1.8883E-14	8.83726E-17	9.42512E-15	1.47032E-17
135	570390.6	4178079	0.55, 41780	0.11641	0.08948	0.11242	73.93226	30.15719	77.81828	9.24153	5.0262	9.72728	6.61E-11	2.76E-08	6.5E-09	2.04E-14	6.16E-14	4.86E-14	2.41E-17	5.83E-16	3.22E-17	6.39657E-16	6.61E-11	2.7596E-08	6.50391E-09	2.0862E-14	9.7634E-17	1.04129E-14	1.62441E-17
136	570430.6	4178079	0.55, 41780	0.12715	0.09969	0.12302	79.99098	31.34254	86.52141	9.99887	5.20891	10.81518	7.33E-11	2.93E-08	7.06E-09	2.26E-14	6.83E-14	5.4E-14	2.68E-17	6.47E-16	3.57E-17	7.09404E-16	7.331E-11	2.9322E-08	7.05975E-09	2.31367E-14	1.0828E-16	1.15483E-14	1.80153E-17
137	570470.6	4178079	0.55, 41780	0.13857	0.11144	0.13449	81.53824	32.65768	88.86509	10.19228	5.39019	11.10814	8.15E-11	3.03E-08	7.2E-09	2.51E-14	7.59E-14	6E-14	2.98E-17	7.19E-16	3.97E-17	7.88545E-16	8.148E-11	3.0338E-08	7.20289E-09	2.57178E-14	1.20359E-16	1.28366E-14	2.00251E-17
138	570510.6	4178079	0.55, 41780	0.15049	0.12507	0.14657	87.75299	34.11951	95.20757	10.96912	5.60116	11.90095	9.08E-11	3.2E-08	7.75E-09	2.8E-14	8.46E-14	6.68E-14	3.32E-17	8.01E-16	4.42E-17	8.78609E-16	9.079E-11	3.2043E-08	7.74765E-09	2.86552E-14	1.34106E-16	1.43027E-14	2.23123E-17
139	570550.6	4178079	0.55, 41780	0.16198	0.14034	0.1583	91.64015	35.64897	104.22382	11.45502	5.99366	13.02798	1.01E-10	3.38E-08	8.14E-09	3.12E-14	9.41E-14	7.43E-14	3.69E-17	8.91E-16	4.92E-17	9.77005E-16	1.01E-10	3.3849E-08	8.13798E-09	3.18643E-14	1.49125E-16	1.59045E-14	2.4811E-17
140	570590.6	4178079	0.55, 41780	0.17272	0.15744	0.16968	88.35639	37.38874	105.88084	11.57204	6.46071	13.23511	1.12E-10	3.47E-08	8.23E-09	3.46E-14	1.04E-13	8.25E-14	4.09E-17	9.89E-16	5.46E-17	1.08456E-15	1.121E-10	3.4744E-08	8.22694E-09	3.53723E-14	1.65542E-16	1.76554E-14	2.75425E-17
141	570630.6	4178079	0.55, 41780	0.1831	0.1763	0.17984	101.08083	39.23196	114.54818	12.6351	7.02353	14.31852	1.24E-10	3.73E-08	8.97E-09	3.83E-14	1.16E-13	9.13E-14	4.53E-17	1.09E-15	6.04E-17	1.20048E-15	1.241E-10	3.7254E-08	8.97229E-09	3.91529E-14	1.83236E-16	1.95425E-14	3.04862E-17
142	570670.6	4178079	0.55, 41780	0.19537	0.19687	0.18849	125.63761	41.20021	131.91916	15.7047	8.22231	16.4899	1.37E-10	4.13E-08	1.1E-08	4.23E-14	1.28E-13	1.01E-13	5E-17	1.21E-15	6.67E-17	1.32564E-15	1.37E-10	4.1261E-08	1.10493E-08	4.32348E-14	2.02339E-16	2.15799E-14	3.36646E-17
143	570710.6	4178079	0.55, 41780	0.21241	0.21933	0.20096	144.38379	43.29239	151.59141	18.04797	9.29195	18.94893	1.52E-10	4.52E-08	1.27E-08	4.68E-14	1.41E-13	1.12E-13	5.54E-17	1.34E-15	7.38E-17	1.46682E-15	1.516E-10	4.5153E-08	1.26979E-08	4.78391E-14	2.23887E-16	2.3878E-14	3.72497E-17
144	570750.6	4178079	0.55, 41780	0.23537	0.24332	0.2221	149.96792	48.92505	154.1756	18.74599	10.23	23.04389	1.68E-10	4.89E-08	1.35E-08	5.19E-14	1.57E-13	1.24E-13	6.14E-17	1.48E-15	8.19E-17	1.62645E-15	1.681E-10	4.8851E-08	1.34531E-08	5.30454E-14	2.48253E-16	2.64767E-14	4.13036E-17
145	570790.6	4178079	0.55, 41780	0.26445	0.26867	0.24585	159.48841	56.15329	178.05216	19.93605	11.24377	22.79466	1.86E-10	5.54E-08	1.42E-08	5.74E-14	1.73E-13	1.37E-13	6.79E-17	1.64E-15	9.06E-17	1.79914E-15	1.859E-10	5.5361E-08	1.41727E-08	5.86775E-14	2.74611E-16	2.92878E-14	4.5689E-17
146	570830.6	4178079	0.55, 41780	0.30001	0.29551	0.27029	164.85959	59.75168	177.78875	20.60745	12.43332	22.22359	2.05E-10	5.77E-08	1.45E-08	6.33E-14	1.91E-13	1.51E-13	7.49E-17	1.81E-15	9.99E-17	1.98434E-15	2.051E-10	5.7686E-08	1.45448E-08	6.47177E-14	3.02879E-16	3.23027E-14	5.03922E-17
147	570870.6	4178079	0.55, 41780	0.34051	0.32416	0.30185	178.96906	63.85658	203.22306	22.37113	13.91568	25.40288	2.26E-10	6.29E-08	1.59E-08	6.98E-14	2.11E-13	1.66E-13	8.26E-17	2E-15	1.1E-16	2.18774E-15	2.261E-10	6.2863E-08	1.589E-08	7.13514E-14	3.33925E-16	3.56138E-14	5.55575E-17
148	570910.6	4178079	0.55, 41780	0.37529	0.35313	0.33459	192.82824	68.49057	229.7632	24.10353	15.26079	28.7204	2.47E-10	6.84E-08	1.72E-08	7.62E-14	2.3E-13	1.82E-13	9.02E-17	2.18E-15	1.2E-16	2.39028E-15	2.47E-10	6.8406E-08	1.72266E-08	7.79573E-14	3.6484E-16	3.8911E-14	6.07011E-17
149	570950.6	4178079	0.55, 41780	0.39192	0.37725	0.35493	199.56835	75.56845	241.42387	26.9715	14.65967	30.17798	2.63E-10	7.37E-08	1.91E-08	8.12E-14	2.45E-13	1.94E-13	9.61E-17	2.32E-15	1.28E-16	2.54616E-15	2.631E-10	7.3697E-08	1.91223E-08	8.30411E-14	3.88632E-16	4.14484E-14	6.46596E-17
150	570990.6	4178079	0.55, 41780	0.38624	0.39167	0.34038	209.52387	83.72546	270.89556	31.32288	13.79848	33.86195	2.7E-10	8.12E-08	2.21E-08	8.32E-14	2.51E-13	1.98E-13	9.85E-17	2.38E-15	1.31E-16	2.60953E-15	2.697E-10	8.1192E-08	2.21142E-08	8.5108E-14	3.98306E-16	4.24801E-14	6.6269E-17
151	571030.6	4178079	0.55, 41780	0.36706	0.40059	0.31708	238.62537	94.19927	346.28961	34.73297	15.69988	52.33117	2.72E-10	9.48E-08	2.57E-08	8.38E-14	2.53E-13	2E-13	9.92E-17	2.4E-15	1.32E-16	2.62833E-15	2.716E-10	9.4792E-08	2.56833E-08	8.57212E-14	4.01175E-16	4.27862E-14	6.67465E-17
152	571070.6	4178079	0.55, 41780	0.35702	0.41066	0.29659	228.92087	105.90077	368.47625	31.45005	16.61116	46.05953	2.75E-10	1.02E-07	2.32E-08	8.49E-14	2.56E-13	2.02E-13	1E-16	2.43E-15	1.34E-16	2.66104E-15	2.75E-10	1.0246E-07	2.31516E-08	8.6788E-14	4.06168E-16	4.33187E-14	6.75771E-17
153	571110.6	4178079	0.55, 41780	0.35812	0.41418	0.29542	212.64364	104.08221	374.64105	34.6648	20.98986	46.90606	2.77E-10	1.01E-07	2.52E-08	8.55E-14	2.58E-13	2.04E-13	1.01E-16	2.44E-15	1.35E-16	2.67984E-15	2.769E-10	1.009E-07	2.52147E-08	8.7401E-14	4.09036E-16	4.36246E-14	6.80544E-17
154	571150.6	4178079	0.55, 41780	0.37758	0.42317	0.31748	239.48451	117.47672	371.65504	34.21207	20.38272	60.67868	2.85E-10	1.1E-07	2.6E-08	8.79E-14	2.65E-13	2.1E-13	1.04E-16	2.51E-15	1.39E-16	2.75701E-15	2.849E-10	1.0983E-07	2.60157E-08	8.9918E-14	4.20816E-16	4.48809E-14	7.00142E-17
155	571190.6	4178079	0.55, 41780	0.41277	0.43447	0.31013	228.77572	115.09155	359.73847	28.66724	20.67403	44.96731	2.93E-10	1.07E-07	2.13E-08	9.04E-14	2.73E-13	2.16E-13	1.07E-16	2.58E-15	1.43E-16	2.83387E-15	2.928E-10	1.0689E-07	2.13375E-08	9.24247E-14	4.32547E-16	4.61321E-14	7.19661E-17
156	571230.6	4178079	0.55, 41780	0.46673	0.45732	0.33128	219.54291	100.98995	305.404	27.44286	18.56894	43.62914	3.11E-10	9.42E-08	2.05E-08	9.59E-14	2.89E-13	2.29E-13	1.13E-16	2.74E-15	1.51E-16	3.00621E-15	3.106E-10	9.4171E-08	2.0472E-08	9.80454E-14	4.58852E-16	4.89376E-14	7.63426E-17
157	571270.6	4178079	0.55, 41780	0.53318	0.48578	0.3586	215.1929	81.06645	332.5769	26.89911	17.27973	41.57211	3.33E-10	8.49E-08	2E-08	1.03E-13	3.1E-13	2.45E-13	1.22E-16	2.94E-15	1.62E-16	3.22114E-15	3.329E-10	8.4911E-08	1.99726E-08	1.05055E-13	4.91659E-16	5.24365E-14	8.18009E-17
158	571310.6	4178079	0.55, 41780	0.58671	0.50689	0.39805	205.97464	69.75551	363.05687	25.74683	14.70822	45.38211	3.51E-10	8.04E-08	1.96E-08	1.08E-13	3.27E-13	2.58E-13	1.28E-16	3.1E-15	1.71E-16	3.39774E-15	3.511E-10	8.0412E-08	1.95563E-08	1.10815E-13	5.18613E-16	5.53112E-14	8.62855E-17
159	571350.6	4178079	0.55, 41780	0.61439	0.51569	0.46686	184.46358	62.8789	316.33591	23.05795	12.5762	39.54199	3.63E-10	7.16E-08	1.74E-08	1.12E-13	3.38E-13	2.67E-13	1.33E-16	3.2E-15	1.77E-16	3.51444E-15	3.632E-10	7.1551E-08	1.74275E-08	1.14621E-13	5.36425E-16	5.72109E-14	8.9249E-17
160	571390.6	4178079	0.55, 41780	0.61879	0.51229	0.54521	162.6235	50.78632	251.98298	20.32794	11.67282	31.49787	3.68E-10	5.84E-08	1.51E-08	1.13E-13	3.43E-13	2.71E-13	1.34E-16	3.24E-15	1.79E-16	3.55832E-15	3.677E-10	5.8371E-08	1.50999E-08	1.16052E-13	5.43124E-16	5.79253E-14	9.03635E-17
161	571430.6	4178079	0.55, 41780	0.60477	0.49855	0.60294	157.24404	39.05995	207.2573	19.65551	9.99401	25.90716	3.64E-10	4.8E-08	1.42E-08	1.12E-13	3.39E-13	2.68E-13	1.33E-16	3.21E-15	1.77E-16	3.51947E-15	3.637E-10	4.7973E-08	1.4243E-08	1.14785E-13	5.37193E-16	5.72928E-14	8.93768E-17
162	571470.6	4178079	0.55, 41780	0.57311	0.47467	0.61341	152.07991	30.59352	215.52596	19.00999	9.68796	26.94074	3.49E-10	4.36E-08	1.39E-08	1.08E-13	3.25E-13	2.57E-13	1.28E-16	3.08E-15	1.7E-16	3.37917E-15	3.492E-10	4.3572E-08	1.39233E-08	1.10209E-13	5.1578E-16	5.5009E-14	8.5814E-17
163	571510.6	4178079	0.55, 41780	0.53465	0.44658	0.58613	137.55383	33.88214	191.36045	17.19423	8.95455	23.92006	3.29E-10	4.26E-08	1.26E-08	1.02E-13	3.06E-13	2.42E-13	1.2E-16	2.9E-15	1.6E-16	3.1833E-15	3.289E-10	4.2596E-08	1.25582E-08	1.03821E-13	4.85882E-16	5.18203E-14	8.08397E-17
164	571550.6	4178079	0.55, 41780	0.48548	0.41212	0.53241	120.13532	36.07438	157.49519	15.01691	7.90342	19.6869	3.02E-10	4.01E-08	1.09E-08	9.33E-14	2.82E-13	2.23E-13	1.1E-16	2.67E-15	1.47E-16	2.92639E-15	3.024E-10	4.0064E-08	1.08734E-08	9.5442E-14	4.46669E-16	4.76382E-14	7.43155E-17
165	571590.6	4178079	0.55, 41780	0.43445	0.37558	0.47142	108.95419	37.19094	141.55637	13.61927	6.74143	17.69455	2.74E-10	3.87E-08	9.85E-09	8.46E-14	2.55E-13	2.02E-13	1E-16	2.42E-15	1.33E-16	2.65158E-15	2.74E-10	3.8732E-08	9.8488E-09	8.64795E-14	4.04724E-16	4.31647E-14	6.73369E-17
166	570310.6	4178119	0.55, 41781	0.10149	0.07442	0.09774	69.0748	28.05035	78.28908	8.63435	4.67506	9.78613	5.56E-11	2.62E-08	6.13E-09	1.72E-14	5.18E-14	4.09E-14	2.03E-17	4.91E-16	2.71E-17	5.38066E-16	5.56E-11	2.6151E-08	6.13144E-09	1.75486E-14	8.21277E-17	8.75909E-15	1.36642E-17
167	570350.6	4178119	0.55, 41781	0.11138	0.08273	0.10725	79.07973	29.62524	82.98136	9.88497	4.93754	10.37267	6.16E-11	2.8E-08	6.95E-09	1.9E-14	5.74E-14	4.53E-14	2.25E-17	5.44E-16	3E-17	5.96204E-16	6.161E-11	2.8028E-08	6.95424E-09	1.94447E-14	9.10014E-17	9.70549E-15	1.51406E-17
168	570390.6	4178119	0.55, 41781	0.12249	0.09237	0.11775	81.81771	30.97041	92.38822	10.22721	5.16174	11.54853	6.85E-11	2.97E-08	7.26E-09	2.11E-14	6.38E-14	5.04E-14	2.5E-17	6.05E-16	3.34E-17	6.6302E-16	6.851E-11	2.969E-08	7.25919E-09	2.16239E-14	1.012E-16	1.07932E-14	1.68374E-17
169	570430.6	4178119	0.55, 41781	0.13492	0.10362	0.12964	81.48606	32.23138	89.13007	10.18576	5.3719	11.14126	7.65E-11	3.01E-08	7.2E-09	2.36E-14	7.13E-14	5.63E-14	2.8E-17	6.75E-16	3.73E-17	7.40394E-16	7.651E-11	3.0117E-08	7.20144E-09	2.41474E-14	1.1301E-16	1.20527E-14	1.88023E-17
170	570470.6	4178119	0.55, 41781	0.14882	0.11683	0.14311	90.82614	33.6686	97.62505	11.35327	5.5932	12.20313	8.58E-11	3.22E-08	8.01E-09	2.65E-14	8E-14	6.32E-14	3.14E-17	7.57E-16	4.18E-17	8.30451E-16	8.581E-11	3.2174E-08	8.00998E-09	2.70845E-14	1.26756E-16	1.35188E-14	2.10893E-17
171	570510.6	4178119	0.55, 41781	0.16361	0.13228	0.15796	92.34034	35.20886	102.68913	11.54254	5.82093	12.83614	9.65E-11	3.35E-08	8.18E-09	2.98E-14	8.99E-14	7.1E-14	3.53E-17	8.52E-16	4.7E-17	9.34199E-16	9.654E-11	3.3527E-08	8.17727E-09	3.04682E-14	1.42591E-16	1.52077E-14	2.37239E-17
172	570550.6	4178119	0.55, 41781	0.17911	0.1505	0.17388	100.11195	36.92243	110.21215	12.51399	6.33987	13.77652	1.09E-10	3.56E-08	8.85E-09	3.36E-14	1.01E-13	8.02E-14	3.98E-17	9.61E-16	5.31E-17	1.05416E-15	1.089E-10	3.5563E-08	8.85449E-09	3.43805E-14	1.60901E-16	1.71604E-14	2.67702E-17
173	570590.6	4178119	0.55, 41781	0.19374	0.17125	0.18923	103.74737	38.76233	121.67682	12.96842	6.89651	15.2096	1.23E-10	3.77E-08	9.25E-09	3.78E-14	1.14E-13	9.03E-14	4.48E-17	1.08E-15	5.97E-17	1.18682E-15	1.226E-10	3.772E-08	9.24932E-09	3.87071E-14	1.81149E-16	1.932E-14	3.01392E-17
174	570630.6	4178119	0.55, 41781	0.2069	0.19483	0.20326	104.63966	41.01094	121.05227	13.84797	7.49161	15.13153	1.38E-10	3.9E-08	9.79E-09	4.25E-14	1.28E-13	1.01E-13	5.03E-17	1.22E-15	6.71E-17	1.33287E-15	1.377E-10	3.8982E-08	9.78945E-09	4.34705E-14	2.03442E-16	2.16975E-14	3.38481E-17
175	570670.6	4178119	0.55, 41781	0.21998	0.22122	0.21442	115.58367	43.51142	138.36153	15.0671	8.60459	17.29519	1.54E-10	4.24E-08	1.07E-08	4.76E-14	1.44E-13	1.13E-13	5.63E-17	1.36E-15	7.51E-17	1.49186E-15	1.542E-10	4.2426E-08	1.07166E-08	4.86561E-14	2.27711E-16	2.42858E-14	3.78859E-17
176	570710.6	4178119	0.55, 41781	0.23703	0.25104	0.22497	127.12041	45.98226	134.54184	16.41254	9.96819	16.81773	1.73E-10	4.42E-08	1.15E-08	5.33E-14	1.61E-13	1.27E-13	6.31E-17	1.52E-15	8.41E-17	1.67134E-15	1.727E-10	4.423E-08	1.15147E-08	5.45096E-14	2.55105E-16	2.72075E-14	4.24437E-17
177	570750.6	4178119	0.55, 41781	0.26187	0.28441	0.24496	163.41699	49.64069	173.69321	20.42712	11.18287	24.67477	1.94E-10	5.16E-08	1.46E-08	6E-14	1.81E-13	1.43E-13	7.1E-17	1.72E-15	9.47E-17	1.88191E-15	1.945E-10	5.163E-08	1.46254E-08	6.13773E-14	2.87246E-16	3.06354E-14	4.77912E-17
178	570790.6	4178119	0.55, 41781	0.29707	0.32177	0.27572	189.30326	59.79186	203.13563	23.66291	12.3939	25.39195	2.2E-10	6.12E-08	1.67E-08	6.79E-14	2.05E-13	1.62E-13	8.04E-17	1.94E-15	1.07E-16	2.12853E-15	2.2E-10	6.1237E-08	1.66914E-08	6.94205E-14	3.24888E-16	3.465E-14	5.4054E-17
179	570830.6	4178119	0.55, 41781	0.34574	0.3643	0.31009	193.11502	64.55328	210.79637	24.13938	13.76558	26.34955	2.49E-10	6.47E-08	1.71E-08	7.7E-14	2.32E-13	1.84E-13	9.11E-17	2.2E-15	1.22E-16	2.41401E-15	2.495E-10	6.4736E-08	1.70625E-08	7.87314E-14	3.68463E-16	3.92973E-14	6.13038E-17
180	570870.6	4178119	0.55, 41781	0.41228	0.41342	0.35667	202.8381	69.60981	241.64288	25.35476	15.49628	31.6123	2.85E-10	7.06E-08	1.82E-08	8.79E-14	2.65E-13	2.1E-13	1.04E-16	2.51E-15	1.39E-16	2.75525E-15	2.847E-10	7.0594E-08	1.82309E-08	8.98605E-14	4.20547E-16	4.48523E-14	6.99695E-17
181	570910.6	4178119	0.55, 41781	0.49003	0.46844	0.41739	224.50761	75.3478	268.49725	28.06345	17.99511	33.56216	3.25E-10	7.73E-08	2.01E-08	1E-13	3.03E-13	2.39E-13	1.19E-16	2.87E-15	1.58E-16	3.14593E-15	3.251E-10	7.7269E-08	2.00664E-08	1.02602E-13	4.80179E-16	5.12121E-14	7.98908E-17
182	570950.6	4178119	0.55, 41781	0.55455	0.52056	0.48015	237.44511	82.6149	307.44591	31.19836	20.61697	38.43074	3.63E-10	8.52E-08	2.24E-08	1.12E-13	3.38E-13	2.67E-13	1.33E-16	3.2E-15	1.77E-16	3.51445E-15	3.632E-10	8.5199E-08	2.23959E-08	1.14621E-13	5.36427E-16	5.72111E-14	8.92493E-17
183	570990.6	4178119	0.55, 41781	0.59019	0.56679	0.49805	260.70129	98.30209	347.94815	39.14578	18.7176	43.49352	3.93E-10	9.86E-08	2.77E-08	1.21E-13	3.66E-13	2.89E-13	1.43E-16	3.46E-15	1.91E-16	3.79947E-15	3.926E-10	9.86E-08	2.77296E-08	1.23917E-13	5.79931E-16	6.18509E-14	9.64874E-17
184	571030.6	4178119	0.55, 41781	0.58003	0.59593	0.46436	288.08817	110.38847	394.82286	43.41155	19.84321	60.28631	4.06E-10	1.11E-07	3.17E-08	1.25E-13	3.78E-13	2.99E-13	1.48E-16	3.58E-15	1.98E-16	3.92508E-15	4.056E-10	1.1075E-07	3.16984E-08	1.28014E-13	5.99104E-16	6.38957E-14	9.96773E-17
185	571070.6	4178119	0.55, 41781	0.56003	0.61401	0.43624	281.59163	124.26135	479.69295	39.26934	23.95732	65.06151	4.12E-10	1.25E-07	2.95E-08	1.27E-13	3.84E-13	3.03E-13	1.51E-16	3.64E-15	2.01E-16	3.9892E-15	4.122E-10	1.2476E-07	2.9501E-08	1.30105E-13	6.08891E-16	6.49395E-14	1.01306E-16
186	571110.6	4178119	0.55, 41781	0.57497	0.62965	0.42923	279.23237	138.16088	507.21032	41.39356	27.39628	63.69191	4.21E-10	1.35E-07	3.07E-08	1.3E-13	3.93E-13	3.1E-13	1.54E-16	3.72E-15	2.05E-16	4.07744E-15	4.213E-10	1.3453E-07	3.07127E-08	1.32983E-13	6.2236E-16	6.6376E-14	1.03547E-16
187	571150.6	4178119	0.55, 41781	0.64473	0.65929	0.45591	273.06399	137.55558	506.75735	37.77228	27.34359	77.75635	4.44E-10	1.34E-07	2.96E-08	1.37E-13	4.14E-13	3.27E-13	1.62E-16	3.92E-15	2.16E-16	4.30028E-15	4.444E-10	1.3377E-07	2.95687E-08	1.4025E-13	6.56372E-16	7.00035E-14	1.09205E-16
188	571190.6	4178119	0.55, 41781	0.76806	0.70549	0.46182	260.36357	120.74038	479.78233	32.90288	24.49294	68.54033	4.78E-10	1.21E-07	2.58E-08	1.48E-13	4.46E-13	3.52E-13	1.75E-16	4.22E-15	2.33E-16	4.62936E-15	4.784E-10	1.2146E-07	2.58204E-08	1.50983E-13	7.06602E-16	7.53606E-14	1.17563E-16
189	571230.6	4178119	0.55, 41781	0.88147	0.74364	0.51839	250.38438	100.21062	435.42985	31.29805	22.32262	54.42873	5.11E-10	1.06E-07	2.37E-08	1.58E-13	4.76E-13	3.76E-13	1.87E-16	4.51E-15	2.49E-16	4.94745E-15	5.112E-10	1.0589E-07	2.37148E-08	1.61357E-13	7.55153E-16	8.05386E-14	1.2564E-16
190	571270.6	4178119	0.55, 41781	0.94057	0.75526	0.59724	235.31349	80.57107	462.41399	29.41419	18.81416	57.80175	5.28E-10	9.61E-08	2.28E-08	1.63E-13	4.92E-13	3.88E-13	1.93E-16	4.66E-15	2.57E-16	5.10612E-15	5.276E-10	9.6101E-08	2.28099E-08	1.66533E-13	7.79372E-16	8.31217E-14	1.2967E-16
191	571310.6	4178119	0.55, 41781	0.94266	0.74202	0.72716	211.76846	71.48368	401.12341	26.47106	15.9259	50.14043	5.31E-10	8.47E-08	2.04E-08	1.64E-13	4.94E-13	3.91E-13	1.94E-16	4.68E-15	2.58E-16	5.13466E-15	5.306E-10	8.4732E-08	2.038E-08	1.67463E-13	7.83729E-16	8.35863E-14	1.30395E-16
192	571350.6	4178119	0.55, 41781	0.90909	0.71255	0.85266	184.59351	57.17412	286.57244	23.07419	14.42847	35.82155	5.22E-10	6.6E-08	1.71E-08	1.61E-13	4.86E-13	3.84E-13	1.91E-16	4.61E-15	2.54E-16	5.05048E-15	5.219E-10	6.6036E-08	1.71452E-08	1.64718E-13	7.70879E-16	8.22159E-14	1.28257E-16
193	571390.6	4178119	0.55, 41781	0.85308	0.67145	0.90336	182.88204	42.90716	275.98695	22.86025	12.27464	34.49837	4.99E-10	5.71E-08	1.69E-08	1.54E-13	4.65E-13	3.68E-13	1.82E-16	4.41E-15	2.43E-16	4.83294E-15	4.994E-10	5.7132E-08	1.69084E-08	1.57623E-13	7.37675E-16	7.86746E-14	1.22732E-16
194	571430.6	4178119	0.55, 41781	0.78	0.62166	0.86624	169.0522	41.64549	252.50347	21.13153	11.39175	31.56293	4.64E-10	5.37E-08	1.56E-08	1.43E-13	4.32E-13	3.42E-13	1.7E-16	4.1E-15	2.26E-16	4.4913E-15	4.641E-10	5.3714E-08	1.56041E-08	1.4648E-13	6.85529E-16	7.31131E-14	1.14056E-16
195	571470.6	4178119	0.55, 41781	0.69763	0.567	0.77646	144.82238	43.55007	199.26025	18.1028	10.0864	24.90753	4.21E-10	4.91E-08	1.32E-08	1.3E-13	3.93E-13	3.1E-13	1.54E-16	3.72E-15	2.05E-16	4.07766E-15	4.214E-10	4.907E-08	1.32001E-08	1.3299E-13	6.22393E-16	6.63795E-14	1.03552E-16
196	571510.6	4178119	0.55, 41781	0.61632	0.51188	0.67545	129.07456	44.20691	173.84445	16.93315	8.5721	21.73056	3.78E-10	4.64E-08	1.22E-08	1.17E-13	3.52E-13	2.78E-13	1.38E-16	3.33E-15	1.84E-16	3.65364E-15	3.775E-10	4.645E-08	1.22241E-08	1.19161E-13	5.57672E-16	5.94769E-14	9.2784E-17
197	571550.6	4178119	0.55, 41781	0.53701	0.45659	0.57828	116.13448	43.6354	149.52645	16.99831	7.6971	20.20244	3.34E-10	4.34E-08	1.21E-08	1.03E-13	3.11E-13	2.46E-13	1.22E-16	2.95E-15	1.63E-16	3.23283E-15	3.341E-10	4.3407E-08	1.21445E-08	1.05437E-13	4.93443E-16	5.26268E-14	8.20977E-17
198	571590.6	4178119	0.55, 41781	0.46599	0.40463	0.49394	103.06511	42.01095	133.93422	16.60125	6.75955	20.50745	2.94E-10	4.05E-08	1.19E-08	9.07E-14	2.74E-13	2.16E-13	1.07E-16	2.59E-15	1.43E-16	2.84482E-15	2.94E-10	4.0453E-08	1.19218E-08	9.27817E-14	4.34218E-16	4.63103E-14	7.22441E-17
199	570310.6	4178159	0.55, 41781	0.10452	0.07557	0.10002	83.14681	27.07322	89.45511	10.39335	4.47805	11.18194	5.66E-11	2.74E-08	7.33E-09	1.75E-14	5.27E-14	4.17E-14	2.07E-17	5E-16	2.76E-17	5.47855E-16	5.661E-11	2.7368E-08	7.33357E-09	1.78679E-14	8.36218E-17	8.91844E-15	1.39128E-17
200	570350.6	4178159	0.55, 41781	0.1156	0.08446	0.11071	83.51332	29.37807	93.62995	10.43917	4.89635	11.70374	6.31E-11	2.9E-08	7.4E-09	1.95E-14	5.88E-14	4.64E-14	2.31E-17	5.57E-16	3.07E-17	6.10747E-16	6.311E-11	2.9006E-08	7.40302E-09	1.99191E-14	9.32212E-17	9.94224E-15	1.55099E-17
201	570390.6	4178159	0.55, 41781	0.12828	0.09489	0.12282	85.72091	31.44775	90.10823	10.71511	5.24129	11.26353	7.07E-11	3E-08	7.54E-09	2.18E-14	6.59E-14	5.2E-14	2.58E-17	6.24E-16	3.44E-17	6.8401E-16	7.068E-11	3.0023E-08	7.53981E-09	2.23085E-14	1.04404E-16	1.11349E-14	1.73704E-17
202	570430.6	4178159	0.55, 41781	0.14269	0.1072	0.13639	94.53138	33.159	104.73347	11.81642	5.5265	13.09168	7.95E-11	3.27E-08	8.37E-09	2.45E-14	7.41E-14	5.85E-14	2.91E-17	7.02E-16	3.87E-17	7.69592E-16	7.953E-11	3.2681E-08	8.36744E-09	2.50997E-14	1.17466E-16	1.25281E-14	1.95438E-17
203	570470.6	4178159	0.55, 41781	0.15906	0.12183	0.15182	91.68652	34.69147	109.10852	11.46082	5.78191	13.63857	8.99E-11	3.37E-08	8.19E-09	2.78E-14	8.38E-14	6.62E-14	3.29E-17	7.94E-16	4.38E-17	8.70312E-16	8.993E-11	3.3702E-08	8.18956E-09	2.83846E-14	1.3284E-16	1.41677E-14	2.21016E-17
204	570510.6	4178159	0.55, 41781	0.17738	0.13933	0.16931	103.8828	36.49731	110.76271	12.98535	6.04456	13.84534	1.02E-10	3.56E-08	9.15E-09	3.15E-14	9.52E-14	7.52E-14	3.73E-17	9.02E-16	4.98E-17	9.89289E-16	1.022E-10	3.5606E-08	9.15264E-09	3.22649E-14	1.51E-16	1.61045E-14	2.5123E-17
205	570550.6	4178159	0.55, 41781	0.19733	0.16029	0.18927	106.21161	38.46337	121.82569	13.27645	6.62676	15.22821	1.17E-10	3.77E-08	9.44E-09	3.6E-14	1.09E-13	8.59E-14	4.27E-17	1.03E-15	5.69E-17	1.12983E-15	1.168E-10	3.7719E-08	9.44209E-09	3.68484E-14	1.72451E-16	1.83922E-14	2.86919E-17
206	570590.6	4178159	0.55, 41781	0.21794	0.18524	0.21062	115.65264	40.48441	129.80552	14.45658	7.37316	16.22569	1.34E-10	4.01E-08	1.03E-08	4.12E-14	1.25E-13	9.84E-14	4.88E-17	1.18E-15	6.51E-17	1.29337E-15	1.337E-10	4.0068E-08	1.02534E-08	4.21825E-14	1.97414E-16	2.10546E-14	3.28452E-17
207	570630.6	4178159	0.55, 41781	0.23707	0.21436	0.23118	118.44365	42.79741	144.28442	14.80546	8.08317	18.03555	1.53E-10	4.27E-08	1.06E-08	4.71E-14	1.42E-13	1.12E-13	5.58E-17	1.35E-15	7.44E-17	1.47795E-15	1.527E-10	4.2672E-08	1.06123E-08	4.82022E-14	2.25586E-16	2.40593E-14	3.75324E-17
208	570670.6	4178159	0.55, 41781	0.25383	0.24795	0.24882	124.95922	45.84094	144.90734	15.6199	8.90031	18.11342	1.74E-10	4.48E-08	1.11E-08	5.37E-14	1.62E-13	1.28E-13	6.35E-17	1.53E-15	8.47E-17	1.68301E-15	1.739E-10	4.483E-08	1.11242E-08	5.489E-14	2.56885E-16	2.73974E-14	4.27399E-17
209	570710.6	4178159	0.55, 41781	0.27135	0.28697	0.26135	131.25248	49.29697	162.49426	17.47805	10.6966	20.31178	1.98E-10	4.85E-08	1.25E-08	6.1E-14	1.84E-13	1.46E-13	7.23E-17	1.75E-15	9.63E-17	1.91397E-15	1.978E-10	4.8536E-08	1.2451E-08	6.24228E-14	2.92139E-16	3.11572E-14	4.86053E-17
210	570750.6	4178159	0.55, 41781	0.29528	0.33222	0.27619	146.48828	52.90094	155.94977	21.86848	12.23914	22.93785	2.26E-10	5.1E-08	1.54E-08	6.96E-14	2.1E-13	1.66E-13	8.25E-17	1.99E-15	1.1E-16	2.18425E-15	2.257E-10	5.0992E-08	1.53841E-08	7.12377E-14	3.33393E-16	3.5557E-14	5.5469E-17
211	570790.6	4178159	0.55, 41781	0.33253	0.38536	0.30655	168.4296	63.37031	207.44804	22.18934	13.75991	31.3643	2.6E-10	6.23E-08	1.62E-08	8.03E-14	2.42E-13	1.91E-13	9.5E-17	2.3E-15	1.27E-16	2.51705E-15	2.601E-10	6.2261E-08	1.62455E-08	8.20918E-14	3.8419E-16	4.09746E-14	6.39204E-17
212	570830.6	4178159	0.55, 41781	0.39122	0.44987	0.34708	226.40986	70.88867	244.94075	28.30123	15.58224	30.61759	3.03E-10	7.3E-08	2E-08	9.35E-14	2.82E-13	2.23E-13	1.11E-16	2.67E-15	1.48E-16	2.93205E-15	3.03E-10	7.3049E-08	1.99827E-08	9.56266E-14	4.47533E-16	4.77303E-14	7.44593E-17
213	570870.6	4178159	0.55, 41781	0.48272	0.53035	0.408	262.06298	76.1106	293.39264	32.75787	17.58972	36.67408	3.58E-10	8.2E-08	2.32E-08	1.11E-13	3.34E-13	2.64E-13	1.31E-16	3.16E-15	1.75E-16	3.46877E-15	3.584E-10	8.2012E-08	2.32264E-08	1.13132E-13	5.29456E-16	5.64676E-14	8.80894E-17
214	570910.6	4178159	0.55, 41781	0.61652	0.63133	0.50366	261.24493	84.17228	335.42472	32.65562	20.33398	41.92809	4.31E-10	8.98E-08	2.36E-08	1.33E-13	4.01E-13	3.17E-13	1.57E-16	3.8E-15	2.1E-16	4.16839E-15	4.307E-10	8.9763E-08	2.35758E-08	1.35949E-13	6.36241E-16	6.78565E-14	1.05856E-16
215	570950.6	4178159	0.55, 41781	0.78722	0.75662	0.63069	286.12528	93.97029	373.71712	38.09436	25.30252	46.71464	5.21E-10	9.98E-08	2.73E-08	1.61E-13	4.86E-13	3.84E-13	1.9E-16	4.6E-15	2.54E-16	5.04562E-15	5.214E-10	9.9805E-08	2.73297E-08	1.64559E-13	7.70138E-16	8.21368E-14	1.28133E-16
216	570990.6	4178159	0.55, 41781	0.95557	0.89576	0.74297	303.7283	113.02353	445.40224	49.39935	30.83627	55.67528	6.18E-10	1.17E-07	3.51E-08	1.91E-13	5.76E-13	4.55E-13	2.26E-16	5.46E-15	3.01E-16	5.98503E-15	6.185E-10	1.1718E-07	3.50549E-08	1.95197E-13	9.13523E-16	9.74292E-14	1.5199E-16
217	571030.6	4178159	0.55, 41781	1.0701	1.00768	0.7637	365.27865	135.92516	512.48146	63.89384	29.33742	70.31034	6.9E-10	1.39E-07	4.52E-08	2.13E-13	6.43E-13	5.08E-13	2.52E-16	6.09E-15	3.36E-16	6.67504E-15	6.898E-10	1.391E-07	4.52069E-08	2.17702E-13	1.01884E-15	1.08662E-13	1.69512E-16
218	571070.6	4178159	0.55, 41781	1.06935	1.07923	0.71312	382.13438	155.20031	662.82772	54.74849	37.25068	94.68967	7.26E-10	1.63E-07	4.14E-08	2.24E-13	6.76E-13	5.34E-13	2.65E-16	6.4E-15	3.54E-16	7.02263E-15	7.257E-10	1.6274E-07	4.14426E-08	2.29038E-13	1.0719E-15	1.1432E-13	1.78339E-16
219	571110.6	4178159	0.55, 41781	1.19831	1.16386	0.6846	373.85472	174.62021	736.75515	53.40782	39.37776	93.09067	7.79E-10	1.79E-07	4.05E-08	2.4E-13	7.26E-13	5.73E-13	2.85E-16	6.87E-15	3.79E-16	7.53655E-15	7.788E-10	1.7886E-07	4.04843E-08	2.45799E-13	1.15034E-15	1.22686E-13	1.91391E-16
220	571150.6	4178159	0.55, 41781	1.53671	1.26322	0.72724	331.2731	149.81574	693.97089	50.26616	34.67292	96.78528	8.59E-10	1.59E-07	3.88E-08	2.65E-13	8E-13	6.32E-13	3.14E-16	7.58E-15	4.18E-16	8.31156E-15	8.589E-10	1.5898E-07	3.88234E-08	2.71075E-13	1.26863E-15	1.35302E-13	2.11072E-16
221	571190.6	4178159	0.55, 41781	1.71324	1.27647	0.80447	303.51531	125.05743	565.89383	43.45807	29.97586	80.84198	8.83E-10	1.33E-07	3.33E-08	2.73E-13	8.23E-13	6.5E-13	3.23E-16	7.8E-15	4.3E-16	8.54924E-15	8.834E-10	1.3335E-07	3.33424E-08	2.78827E-13	1.30491E-15	1.39172E-13	2.17108E-16
222	571230.6	4178159	0.55, 41781	1.67997	1.21931	0.99011	277.00255	96.22407	622.39581	36.53844	24.95569	77.79948	8.64E-10	1.2E-07	2.88E-08	2.67E-13	8.05E-13	6.36E-13	3.16E-16	7.62E-15	4.21E-16	8.36139E-15	8.64E-10	1.2003E-07	2.88058E-08	2.72701E-13	1.27624E-15	1.36114E-13	2.12337E-16
223	571270.6	4178159	0.55, 41781	1.56347	1.13234	1.265	251.98402	83.18585	536.39129	31.498	20.71301	67.04891	8.3E-10	1.04E-07	2.48E-08	2.56E-13	7.73E-13	6.11E-13	3.03E-16	7.32E-15	4.04E-16	8.02974E-15	8.298E-10	1.0442E-07	2.48307E-08	2.61884E-13	1.22562E-15	1.30715E-13	2.03915E-16
224	571310.6	4178159	0.55, 41781	1.42012	1.03692	1.45126	223.09845	65.85457	360.16353	27.88731	18.21453	45.02044	7.82E-10	7.91E-08	2.09E-08	2.41E-13	7.29E-13	5.76E-13	2.86E-16	6.9E-15	3.81E-16	7.56872E-15	7.821E-10	7.9084E-08	2.08573E-08	2.46848E-13	1.15525E-15	1.2321E-13	1.92207E-16
225	571350.6	4178159	0.55, 41781	1.26306	0.93714	1.42084	212.7442	53.05659	355.96566	26.59303	15.01468	44.49571	7.14E-10	7.1E-08	2E-08	2.2E-13	6.65E-13	5.26E-13	2.61E-16	6.3E-15	3.48E-16	6.91105E-15	7.142E-10	7.0959E-08	2.00122E-08	2.25399E-13	1.05487E-15	1.12504E-13	1.75506E-16
226	571390.6	4178159	0.55, 41781	1.10199	0.83709	1.24864	185.92823	54.01949	274.01244	23.24103	13.29114	34.25155	6.35E-10	6.34E-08	1.71E-08	1.96E-13	5.91E-13	4.67E-13	2.32E-16	5.6E-15	3.09E-16	6.14167E-15	6.347E-10	6.3372E-08	1.71255E-08	2.00306E-13	9.37433E-16	9.99792E-14	1.55968E-16
227	571430.6	4178159	0.55, 41781	0.9418	0.73869	1.04204	159.26436	53.60229	222.79179	21.61583	11.2268	27.84897	5.53E-10	5.74E-08	1.56E-08	1.71E-13	5.16E-13	4.07E-13	2.02E-16	4.88E-15	2.7E-16	5.35558E-15	5.534E-10	5.7438E-08	1.56131E-08	1.74668E-13	8.17448E-16	8.71826E-14	1.36005E-16
228	571470.6	4178159	0.55, 41781	0.79447	0.64516	0.85663	139.92539	51.85557	187.30754	21.06215	9.90602	27.91527	4.77E-10	5.25E-08	1.53E-08	1.47E-13	4.45E-13	3.51E-13	1.74E-16	4.21E-15	2.33E-16	4.61974E-15	4.774E-10	5.2459E-08	1.52744E-08	1.50669E-13	7.05133E-16	7.52039E-14	1.17318E-16
229	571510.6	4178159	0.55, 41781	0.67282	0.56206	0.7111	120.25585	49.92459	159.61818	19.96311	8.50885	26.60303	4.12E-10	4.8E-08	1.45E-08	1.27E-13	3.84E-13	3.03E-13	1.5E-16	3.64E-15	2.01E-16	3.98618E-15	4.119E-10	4.7969E-08	1.44887E-08	1.30006E-13	6.0843E-16	6.48904E-14	1.01229E-16
230	571550.6	4178159	0.55, 41781	0.57423	0.48972	0.59807	110.64777	47.57404	144.95635	18.4413	7.31081	24.15939	3.56E-10	4.49E-08	1.34E-08	1.1E-13	3.32E-13	2.62E-13	1.3E-16	3.15E-15	1.74E-16	3.44949E-15	3.565E-10	4.4901E-08	1.33516E-08	1.12503E-13	5.26512E-16	5.61536E-14	8.75997E-17
231	571590.6	4178159	0.55, 41781	0.49292	0.42713	0.50772	100.4908	44.5532	128.72625	16.74847	6.44552	21.45437	3.09E-10	4.13E-08	1.21E-08	9.54E-14	2.88E-13	2.28E-13	1.13E-16	2.73E-15	1.51E-16	2.99322E-15	3.093E-10	4.1301E-08	1.20877E-08	9.76218E-14	4.5687E-16	4.87261E-14	7.60128E-17
232	570310.6	4178199	0.55, 41781	0.10691	0.07648	0.10208	81.28791	24.55019	79.664	10.16099	3.94128	9.958	5.74E-11	2.51E-08	7.09E-09	1.77E-14	5.35E-14	4.23E-14	2.1E-17	5.07E-16	2.8E-17	5.55791E-16	5.743E-11	2.5073E-08	7.09308E-09	1.81267E-14	8.48331E-17	9.04763E-15	1.41143E-17
233	570350.6	4178199	0.55, 41781	0.11881	0.08587	0.11329	92.41038	27.80697	96.15133	11.5513	4.55912	12.01892	6.43E-11	2.89E-08	8.12E-09	1.98E-14	5.99E-14	4.73E-14	2.35E-17	5.67E-16	3.13E-17	6.22278E-16	6.43E-11	2.8886E-08	8.11849E-09	2.02951E-14	9.49813E-17	1.013E-14	1.58027E-17
234	570390.6	4178199	0.55, 41781	0.13286	0.09703	0.12666	98.9418	30.67703	108.4605	12.36772	5.11284	13.55756	7.25E-11	3.19E-08	8.75E-09	2.24E-14	6.75E-14	5.33E-14	2.65E-17	6.4E-16	3.53E-17	7.01276E-16	7.247E-11	3.1866E-08	8.74644E-09	2.28716E-14	1.07039E-16	1.1416E-14	1.78089E-17
235	570430.6	4178199	0.55, 41781	0.14935	0.11037	0.14231	98.24021	33.47488	112.67373	12.28003	5.57915	14.08422	8.22E-11	3.37E-08	8.73E-09	2.54E-14	7.66E-14	6.05E-14	3E-17	7.25E-16	4E-17	7.95269E-16	8.218E-11	3.3715E-08	8.73336E-09	2.59371E-14	1.21386E-16	1.2946E-14	2.01958E-17
236	570470.6	4178199	0.55, 41781	0.1686	0.12646	0.16043	107.25905	35.76824	115.05444	13.40738	5.96137	14.38181	9.38E-11	3.57E-08	9.46E-09	2.89E-14	8.74E-14	6.9E-14	3.43E-17	8.28E-16	4.57E-17	9.07673E-16	9.379E-11	3.5749E-08	9.4569E-09	2.96031E-14	1.38543E-16	1.47759E-14	2.30503E-17
237	570510.6	4178199	0.55, 41781	0.19081	0.14598	0.18108	111.923	37.71142	131.96286	13.99038	6.28524	16.49536	1.08E-10	3.85E-08	9.99E-09	3.32E-14	1E-13	7.93E-14	3.94E-17	9.51E-16	5.25E-17	1.04233E-15	1.077E-10	3.8455E-08	9.98506E-09	3.39949E-14	1.59096E-16	1.69679E-14	2.647E-17
238	570550.6	4178199	0.55, 41781	0.21602	0.16987	0.20494	119.57772	40.00549	129.21029	14.94721	6.67621	16.15129	1.25E-10	4E-08	1.06E-08	3.84E-14	1.16E-13	9.16E-14	4.55E-17	1.1E-15	6.07E-17	1.20486E-15	1.245E-10	4.0001E-08	1.05523E-08	3.92956E-14	1.83904E-16	1.96137E-14	3.05974E-17
239	570590.6	4178199	0.55, 41781	0.24388	0.19917	0.2325	124.08345	42.52786	147.10165	15.51043	7.78928	18.38771	1.45E-10	4.31E-08	1.11E-08	4.47E-14	1.35E-13	1.07E-13	5.29E-17	1.28E-15	7.05E-17	1.40104E-15	1.448E-10	4.3098E-08	1.10778E-08	4.56939E-14	2.13847E-16	2.28073E-14	3.55794E-17
240	570630.6	4178199	0.55, 41781	0.27242	0.23473	0.26214	135.79301	45.13025	156.31513	16.97413	8.73982	19.5394	1.69E-10	4.6E-08	1.21E-08	5.21E-14	1.57E-13	1.24E-13	6.17E-17	1.49E-15	8.22E-17	1.63303E-15	1.687E-10	4.601E-08	1.20773E-08	5.32601E-14	2.49257E-16	2.65838E-14	4.14707E-17
241	570670.6	4178199	0.55, 41781	0.29828	0.27729	0.29064	136.89517	48.04336	174.48935	17.44831	9.65486	21.81117	1.96E-10	4.91E-08	1.26E-08	6.06E-14	1.83E-13	1.45E-13	7.17E-17	1.73E-15	9.57E-17	1.90034E-15	1.964E-10	4.9134E-08	1.25503E-08	6.19781E-14	2.90057E-16	3.09352E-14	4.8259E-17
242	570710.6	4178199	0.55, 41781	0.321	0.32818	0.31291	151.98197	52.23375	185.24815	19.68934	11.4382	23.15602	2.28E-10	5.33E-08	1.4E-08	7.03E-14	2.12E-13	1.68E-13	8.33E-17	2.01E-15	1.11E-16	2.20599E-15	2.28E-10	5.3267E-08	1.40478E-08	7.19469E-14	3.36711E-16	3.5911E-14	5.60211E-17
243	570750.6	4178199	0.55, 41781	0.34558	0.38955	0.32771	144.14265	57.26085	196.68908	22.53194	13.53855	24.58613	2.65E-10	5.65E-08	1.59E-08	8.17E-14	2.47E-13	1.95E-13	9.68E-17	2.34E-15	1.29E-16	2.56371E-15	2.649E-10	5.6479E-08	1.59257E-08	8.36137E-14	3.91312E-16	4.17342E-14	6.51054E-17
244	570790.6	4178199	0.55, 41781	0.38143	0.46429	0.35275	173.32889	66.95506	241.81218	25.57778	15.36352	36.58263	3.11E-10	6.73E-08	1.88E-08	9.59E-14	2.9E-13	2.29E-13	1.14E-16	2.74E-15	1.51E-16	3.0083E-15	3.109E-10	6.727E-08	1.87599E-08	9.81135E-14	4.59171E-16	4.89716E-14	7.63957E-17
245	570830.6	4178199	0.55, 41781	0.44289	0.55991	0.39405	200.31972	78.9407	262.23048	28.47462	17.66262	37.4615	3.71E-10	7.73E-08	2.06E-08	1.15E-13	3.46E-13	2.73E-13	1.36E-16	3.28E-15	1.81E-16	3.59362E-15	3.713E-10	7.7262E-08	2.06281E-08	1.17203E-13	5.48511E-16	5.84999E-14	9.12598E-17
246	570870.6	4178199	0.55, 41781	0.55133	0.6879	0.45528	245.75399	83.68372	263.19795	34.28137	20.83884	36.18743	4.54E-10	8.28E-08	2.41E-08	1.4E-13	4.23E-13	3.34E-13	1.66E-16	4.01E-15	2.21E-16	4.39753E-15	4.544E-10	8.2841E-08	2.41344E-08	1.43422E-13	6.71216E-16	7.15866E-14	1.11675E-16
247	570910.6	4178199	0.55, 41781	0.74216	0.86472	0.57468	353.61381	98.21675	387.24795	44.20173	24.01316	48.40599	5.74E-10	1.07E-07	3.13E-08	1.77E-13	5.35E-13	4.23E-13	2.1E-16	5.07E-15	2.8E-16	5.55957E-15	5.745E-10	1.0748E-07	3.12556E-08	1.81321E-13	8.48584E-16	9.05032E-14	1.41185E-16
248	570950.6	4178199	0.55, 41781	1.08517	1.1274	0.77671	376.11466	111.85514	479.74888	52.74149	29.33795	59.96861	7.59E-10	1.24E-07	3.75E-08	2.34E-13	7.07E-13	5.58E-13	2.77E-16	6.69E-15	3.7E-16	7.34081E-15	7.586E-10	1.2378E-07	3.74679E-08	2.39415E-13	1.12046E-15	1.195E-13	1.8642E-16
249	570990.6	4178199	0.55, 41781	1.58976	1.56693	1.05873	410.19015	135.68135	559.12982	68.60008	44.06737	76.18548	1.06E-09	1.45E-07	4.86E-08	3.26E-13	9.86E-13	7.79E-13	3.86E-16	9.33E-15	5.15E-16	1.02365E-14	1.058E-09	1.4546E-07	4.85914E-08	3.33856E-13	1.56245E-15	1.66638E-13	2.59956E-16
250	571030.6	4178199	0.55, 41781	2.42958	2.27373	1.377	561.74649	191.25505	728.04918	107.05418	55.40677	100.45619	1.53E-09	1.99E-07	7.44E-08	4.72E-13	1.43E-12	1.13E-12	5.59E-16	1.35E-14	7.45E-16	1.48074E-14	1.53E-09	1.9928E-07	7.43809E-08	4.82934E-13	2.26013E-15	2.41048E-13	3.76034E-16
251	571070.6	4178199	0.55, 41781	3.58306	3.18041	1.39903	721.18769	259.71405	966.70756	139.44796	73.67892	146.94766	2.11E-09	2.66E-07	9.82E-08	6.51E-13	1.97E-12	1.55E-12	7.71E-16	1.86E-14	1.03E-15	2.04236E-14	2.11E-09	2.6627E-07	9.81526E-08	6.66103E-13	3.11736E-15	3.32473E-13	5.18658E-16
252	571110.6	4178199	0.55, 41781	5.26167	3.22788	1.2956	536.30163	206.72583	1199.13306	116.57539	57.94295	153.9862	2.23E-09	2.43E-07	8.45E-08	6.89E-13	2.08E-12	1.64E-12	8.16E-16	1.97E-14	1.09E-15	2.16225E-14	2.234E-09	2.4333E-07	8.45003E-08	7.05204E-13	3.30035E-15	3.5199E-13	5.49104E-16
253	571150.6	4178199	0.55, 41781	4.55265	2.7214	1.43074	406.82024	165.14744	1078.46551	75.27018	43.84452	138.95995	1.92E-09	2.02E-07	5.77E-08	5.92E-13	1.79E-12	1.41E-12	7.01E-16	1.69E-14	9.34E-16	1.8558E-14	1.918E-09	2.025E-07	5.76664E-08	6.05257E-13	2.8326E-15	3.02103E-13	4.71281E-16
254	571190.6	4178199	0.55, 41781	3.6655	2.27193	1.9191	348.88414	129.45816	921.59929	55.11772	35.12171	118.18584	1.65E-09	1.67E-07	4.35E-08	5.09E-13	1.54E-12	1.21E-12	6.03E-16	1.46E-14	8.03E-16	1.59617E-14	1.649E-09	1.6661E-07	4.35181E-08	5.20581E-13	2.43632E-15	2.59838E-13	4.05348E-16
255	571230.6	4178199	0.55, 41781	2.99647	1.91661	2.63905	311.11499	100.77545	780.81724	44.29874	28.05958	97.60216	1.47E-09	1.37E-07	3.52E-08	4.52E-13	1.37E-12	1.08E-12	5.35E-16	1.29E-14	7.14E-16	1.41828E-14	1.466E-09	1.3716E-07	3.51815E-08	4.62562E-13	2.16479E-15	2.30879E-13	3.60172E-16
256	571270.6	4178199	0.55, 41781	2.48655	1.63354	2.7833	275.28639	78.6156	563.64868	36.03295	23.70769	70.45609	1.29E-09	1.05E-07	2.79E-08	3.97E-13	1.2E-12	9.47E-13	4.7E-16	1.14E-14	6.27E-16	1.24532E-14	1.287E-09	1.0548E-07	2.79149E-08	4.06152E-13	1.90079E-15	2.02723E-13	3.16248E-16
257	571310.6	4178199	0.55, 41781	2.04979	1.39182	2.36332	251.65063	69.80646	418.93362	31.45633	18.505	52.3667	1.09E-09	8.77E-08	2.37E-08	3.37E-13	1.02E-12	8.03E-13	3.99E-16	9.63E-15	5.32E-16	1.05624E-14	1.091E-09	8.7703E-08	2.36511E-08	3.44485E-13	1.61219E-15	1.71944E-13	2.68232E-16
258	571350.6	4178199	0.55, 41781	1.66907	1.18291	1.84305	207.71058	67.17721	304.96385	28.41822	15.5683	43.42728	9.1E-10	7.45E-08	2.11E-08	2.81E-13	8.48E-13	6.7E-13	3.32E-16	8.03E-15	4.43E-16	8.80669E-15	9.1E-10	7.4518E-08	2.10619E-08	2.87224E-13	1.34421E-15	1.43363E-13	2.23646E-16
259	571390.6	4178199	0.55, 41781	1.33874	0.99933	1.42084	175.53523	63.93291	243.3206	26.80029	13.20173	40.55343	7.54E-10	6.58E-08	1.98E-08	2.33E-13	7.02E-13	5.55E-13	2.75E-16	6.65E-15	3.67E-16	7.29303E-15	7.536E-10	6.5841E-08	1.98312E-08	2.37857E-13	1.11317E-15	1.18722E-13	1.85206E-16
260	571430.6	4178199	0.55, 41781	1.08215	0.84466	1.12094	146.49279	60.30749	207.71024	24.41546	11.02968	34.61837	6.28E-10	5.92E-08	1.79E-08	1.94E-13	5.85E-13	4.62E-13	2.29E-16	5.54E-15	3.06E-16	6.07339E-15	6.276E-10	5.9193E-08	1.78837E-08	1.98079E-13	9.27011E-16	9.88677E-14	1.54234E-16
261	571470.6	4178199	0.55, 41781	0.88511	0.71494	0.90372	129.54701	55.96987	172.11269	21.59117	9.33698	28.68545	5.26E-10	5.29E-08	1.57E-08	1.62E-13	4.9E-13	3.87E-13	1.92E-16	4.64E-15	2.56E-16	5.08763E-15	5.257E-10	5.291E-08	1.56635E-08	1.65929E-13	7.76549E-16	8.28206E-14	1.292E-16
262	571510.6	4178199	0.55, 41781	0.73336	0.60746	0.74181	112.64977	51.14316	142.69265	18.77496	8.40942	23.78211	4.43E-10	4.68E-08	1.35E-08	1.37E-13	4.13E-13	3.26E-13	1.62E-16	3.91E-15	2.16E-16	4.29161E-15	4.435E-10	4.6842E-08	1.35291E-08	1.39968E-13	6.55048E-16	6.98623E-14	1.08985E-16
263	571550.6	4178199	0.55, 41781	0.6189	0.52125	0.62191	97.68282	46.08498	120.36205	16.28047	7.59304	20.06034	3.79E-10	4.13E-08	1.17E-08	1.17E-13	3.53E-13	2.79E-13	1.38E-16	3.34E-15	1.84E-16	3.66511E-15	3.787E-10	4.1323E-08	1.16875E-08	1.19535E-13	5.59424E-16	5.96637E-14	9.30754E-17
264	571590.6	4178199	0.55, 41781	0.52714	0.45016	0.52751	84.87826	41.93857	102.67653	14.14638	6.8553	17.11275	3.26E-10	3.68E-08	1.01E-08	1.01E-13	3.04E-13	2.4E-13	1.19E-16	2.88E-15	1.59E-16	3.15349E-15	3.259E-10	3.6814E-08	1.01305E-08	1.02849E-13	4.81333E-16	5.13351E-14	8.00828E-17
265	570310.6	4178239	0.55, 41782	0.10871	0.07725	0.10419	69.36135	22.19632	77.30253	9.49069	3.20395	10.55794	5.81E-11	2.28E-08	6.72E-09	1.79E-14	5.42E-14	4.28E-14	2.12E-17	5.13E-16	2.83E-17	5.6265E-16	5.814E-11	2.2824E-08	6.72392E-09	1.83504E-14	8.588E-17	9.15929E-15	1.42885E-17
266	570350.6	4178239	0.55, 41782	0.12097	0.08699	0.11543	80.24676	23.95533	77.73127	10.03084	3.79637	10.6184	6.52E-11	2.45E-08	7.06E-09	2.01E-14	6.08E-14	4.8E-14	2.38E-17	5.76E-16	3.18E-17	6.31269E-16	6.523E-11	2.4524E-08	7.06414E-09	2.05884E-14	9.63537E-17	1.02763E-14	1.60311E-17
267	570390.6	4178239	0.55, 41782	0.13576	0.09875	0.129	97.68381	28.15369	96.07123	12.21048	4.56788	12.0089	7.38E-11	2.94E-08	8.53E-09	2.28E-14	6.88E-14	5.43E-14	2.7E-17	6.51E-16	3.59E-17	7.14111E-16	7.379E-11	2.9405E-08	8.5271E-09	2.32902E-14	1.08998E-16	1.16249E-14	1.81348E-17
268	570430.6	4178239	0.55, 41782	0.15369	0.11303	0.14573	112.57412	32.01468	119.02369	14.07177	5.30028	14.87796	8.42E-11	3.43E-08	9.91E-09	2.6E-14	7.85E-14	6.2E-14	3.08E-17	7.43E-16	4.1E-17	8.14878E-16	8.421E-11	3.4299E-08	9.90852E-09	2.65767E-14	1.24379E-16	1.32653E-14	2.06938E-17
269	570470.6	4178239	0.55, 41782	0.17542	0.1305	0.16624	120.86213	35.6675	135.90431	15.10777	5.94458	16.98804	9.69E-11	3.82E-08	1.07E-08	2.99E-14	9.03E-14	7.13E-14	3.54E-17	8.55E-16	4.72E-17	9.38063E-16	9.693E-11	3.8186E-08	1.07177E-08	3.05943E-14	1.43181E-16	1.52706E-14	2.38221E-17
270	570510.6	4178239	0.55, 41782	0.20166	0.15208	0.19089	118.29832	38.86505	139.27939	14.78729	6.47751	17.40992	1.13E-10	4.01E-08	1.06E-08	3.47E-14	1.05E-13	8.28E-14	4.11E-17	9.93E-16	5.48E-17	1.08934E-15	1.126E-10	4.0075E-08	1.05519E-08	3.55281E-14	1.66271E-16	1.77332E-14	2.76638E-17
271	570550.6	4178239	0.55, 41782	0.23297	0.17899	0.21994	134.82021	41.51275	155.81716	16.85253	6.91879	19.47714	1.32E-10	4.39E-08	1.2E-08	4.07E-14	1.23E-13	9.7E-14	4.82E-17	1.16E-15	6.42E-17	1.27584E-15	1.318E-10	4.3891E-08	1.19969E-08	4.16107E-14	1.94738E-16	2.07692E-14	3.24E-17
272	570590.6	4178239	0.55, 41782	0.26933	0.21289	0.25402	138.182	44.61865	161.93184	17.27275	7.89914	20.24148	1.56E-10	4.63E-08	1.23E-08	4.81E-14	1.45E-13	1.15E-13	5.69E-17	1.37E-15	7.59E-17	1.507E-15	1.557E-10	4.6316E-08	1.2318E-08	4.91497E-14	2.3002E-16	2.45322E-14	3.82702E-17
273	570630.6	4178239	0.55, 41782	0.31001	0.25571	0.29378	151.57706	47.88426	180.12829	18.94713	9.37801	22.51604	1.85E-10	5.04E-08	1.35E-08	5.72E-14	1.73E-13	1.36E-13	6.77E-17	1.64E-15	9.03E-17	1.79329E-15	1.853E-10	5.0411E-08	1.35366E-08	5.84867E-14	2.73718E-16	2.91926E-14	4.55405E-17
274	570670.6	4178239	0.55, 41782	0.35129	0.30919	0.33746	163.01094	51.1286	193.67566	20.37637	10.66356	24.20946	2.21E-10	5.4E-08	1.46E-08	6.83E-14	2.06E-13	1.63E-13	8.08E-17	1.95E-15	1.08E-16	2.1405E-15	2.212E-10	5.4005E-08	1.45573E-08	6.9811E-14	3.26715E-16	3.48449E-14	5.4358E-17
275	570710.6	4178239	0.55, 41782	0.3879	0.37553	0.37852	161.77129	55.27243	215.9147	21.46966	11.91574	26.98934	2.64E-10	5.8E-08	1.55E-08	8.14E-14	2.46E-13	1.94E-13	9.64E-17	2.33E-15	1.28E-16	2.55236E-15	2.637E-10	5.7988E-08	1.54547E-08	8.32433E-14	3.89579E-16	4.15494E-14	6.4817E-17
276	570750.6	4178239	0.55, 41782	0.41955	0.45853	0.40652	185.09687	61.2613	243.75059	24.33831	15.0229	31.56234	3.14E-10	6.5E-08	1.76E-08	9.7E-14	2.93E-13	2.31E-13	1.15E-16	2.77E-15	1.53E-16	3.04126E-15	3.143E-10	6.4984E-08	1.75957E-08	9.91885E-14	4.64202E-16	4.95081E-14	7.72327E-17
277	570790.6	4178239	0.55, 41782	0.45531	0.56517	0.42739	195.76674	71.16962	229.68596	30.0466	17.67317	35.54387	3.78E-10	7.01E-08	2.15E-08	1.17E-13	3.52E-13	2.78E-13	1.38E-16	3.33E-15	1.84E-16	3.65494E-15	3.777E-10	7.0081E-08	2.14537E-08	1.19203E-13	5.57871E-16	5.94981E-14	9.28171E-17
278	570830.6	4178239	0.55, 41782	0.51729	0.70869	0.46924	186.14136	86.93814	313.42291	30.32646	20.0795	44.72862	4.65E-10	8.49E-08	2.23E-08	1.43E-13	4.33E-13	3.42E-13	1.7E-16	4.1E-15	2.27E-16	4.49974E-15	4.65E-10	8.4857E-08	2.23492E-08	1.46756E-13	6.86818E-16	7.32506E-14	1.14271E-16
279	570870.6	4178239	0.55, 41782	0.63421	0.91745	0.53024	225.98347	96.3139	311.28977	37.66391	24.81387	41.34654	5.94E-10	9.24E-08	2.66E-08	1.83E-13	5.53E-13	4.37E-13	2.17E-16	5.24E-15	2.89E-16	5.74495E-15	5.937E-10	9.2428E-08	2.66405E-08	1.87367E-13	8.76879E-16	9.35211E-14	1.45893E-16

280	570910.6	4178239	0.55, 41782	0.85302	1.23442	0.65693	293.13359	117.47886	326.7744	47.06613	30.6738	48.00957	7.94E-10	1.1E-07	3.3E-08	2.45E-13	7.4E-13	5.85E-13	2.9E-16	7.01E-15	3.87E-16	7.68663E-15	7.943E-10	1.0968E-07	3.30035E-08	2.50694E-13	1.17325E-15	1.25129E-13	1.95202E-16
281	570950.6	4178239	0.55, 41782	1.35023	1.79208	0.88884	455.80102	142.22416	478.03953	68.40553	39.86266	68.50221	1.16E-09	1.46E-07	4.79E-08	3.56E-13	1.08E-12	8.5E-13	4.22E-16	1.02E-14	5.63E-16	1.11778E-14	1.155E-09	1.456E-07	4.78668E-08	3.64557E-13	1.70613E-15	1.81962E-13	2.83861E-16
282	570990.6	4178239	0.55, 41782	3.0182	3.06414	1.32054	885.93977	193.04223	771.54657	147.1874	58.20401	96.44332	2E-09	2.24E-07	9.9E-08	6.18E-13	1.87E-12	1.47E-12	7.32E-16	1.77E-14	9.76E-16	1.93923E-14	2.004E-09	2.2407E-07	9.8991E-08	6.32465E-13	2.95994E-15	3.15684E-13	4.92466E-16
283	571030.6	4178239	0.55, 41782	7.70332	4.46365	2.30139	679.65913	243.63294	1123.21669	144.28562	71.78775	156.8655	3.16E-09	2.67E-07	1.02E-07	9.74E-13	2.94E-12	2.32E-12	1.15E-15	2.79E-14	1.54E-15	3.05481E-14	3.157E-09	2.6698E-07	1.01936E-07	9.96304E-13	4.6627E-15	4.97287E-13	7.75768E-16
284	571110.6	4178239	0.55, 41782	48.37684	13.76668	3.52906	1082.14109	288.2044	2417.61379	441.33003	115.9324	328.07057	1.1E-08	4.19E-07	3E-07	3.4E-12	1.03E-11	8.1E-12	4.02E-15	9.71E-14	5.36E-15	1.06478E-13	1.1E-08	4.1886E-07	2.99873E-07	3.47269E-12	1.62522E-14	1.73333E-12	2.704E-15
285	571150.6	4178239	0.55, 41782	14.38318	6.22649	4.84511	550.93904	192.81003	1871.63269	147.46183	59.89562	339.77194	4.76E-09	2.89E-07	1.18E-07	1.47E-12	4.44E-12	3.5E-12	1.74E-15	4.2E-14	2.32E-15	4.60684E-14	4.76E-09	2.8932E-07	1.18281E-07	1.50249E-12	7.03164E-15	7.4994E-13	1.16991E-15
286	571190.6	4178239	0.55, 41782	8.08563	4.10425	7.76231	423.01159	138.20819	1326.9025	88.76631	43.45879	203.98194	3.41E-09	2.08E-07	7.12E-08	1.05E-12	3.18E-12	2.51E-12	1.25E-15	3.01E-14	1.66E-15	3.29916E-14	3.409E-09	2.08E-07	7.11575E-08	1.076E-12	5.03567E-15	5.37065E-13	8.37822E-16
287	571230.6	4178239	0.55, 41782	5.48613	3.01374	6.36519	364.79857	99.98669	820.37732	64.1708	32.88659	114.5851	2.53E-09	1.43E-07	4.89E-08	7.8E-13	2.35E-12	1.86E-12	9.23E-16	2.23E-14	1.23E-15	2.44572E-14	2.527E-09	1.4321E-07	4.88577E-08	7.97653E-13	3.73302E-15	3.98134E-13	6.21089E-16
288	571270.6	4178239	0.55, 41782	3.91656	2.30583	4.21608	308.69657	91.16262	501.73471	42.97299	25.31404	83.35946	1.86E-09	1.1E-07	3.32E-08	5.75E-13	1.74E-12	1.37E-12	6.81E-16	1.65E-14	9.08E-16	1.80442E-14	1.865E-09	1.0972E-07	3.3239E-08	5.88498E-13	2.75417E-15	2.93738E-13	4.58231E-16
289	571310.6	4178239	0.55, 41782	2.81911	1.80691	2.86031	238.76095	82.99282	368.88984	36.57222	19.65898	61.48164	1.41E-09	9.03E-08	2.75E-08	4.35E-13	1.31E-12	1.04E-12	5.15E-16	1.24E-14	6.87E-16	1.36506E-14	1.411E-09	9.0321E-08	2.75446E-08	4.45203E-13	2.08355E-15	2.22215E-13	3.46656E-16
290	571350.6	4178239	0.55, 41782	2.07392	1.43877	2.07081	186.98174	75.01218	257.12826	31.16362	15.62493	42.85471	1.1E-09	7.38E-08	2.27E-08	3.38E-13	1.02E-12	8.07E-13	4E-16	9.67E-15	5.34E-16	1.06083E-14	1.096E-09	7.383E-08	2.27219E-08	3.45981E-13	1.61919E-15	1.7269E-13	2.69397E-16
291	571390.6	4178239	0.55, 41782	1.57003	1.1589	1.56847	153.36435	67.14235	200.39228	25.56072	13.28221	31.13336	8.69E-10	6.29E-08	1.83E-08	2.68E-13	8.1E-13	6.39E-13	3.17E-16	7.67E-15	4.23E-16	8.40796E-15	8.688E-10	6.2865E-08	1.83212E-08	2.7422E-13	1.28335E-15	1.36872E-13	2.1352E-16
292	571430.6	4178239	0.55, 41782	1.23548	0.94866	1.2378	124.99719	59.46648	164.5542	20.83286	11.6734	24.18073	7.04E-10	5.4E-08	1.48E-08	2.17E-13	6.56E-13	5.18E-13	2.57E-16	6.22E-15	3.43E-16	6.81732E-15	7.045E-10	5.3982E-08	1.48386E-08	2.22342E-13	1.04056E-15	1.10978E-13	1.73126E-16
293	571470.6	4178239	0.55, 41782	0.99131	0.7845	0.9961	109.3041	54.21436	142.14876	17.2339	10.26711	19.9293	5.78E-10	4.83E-08	1.23E-08	1.79E-13	5.39E-13	4.26E-13	2.11E-16	5.11E-15	2.82E-16	5.59823E-15	5.785E-10	4.8303E-08	1.22693E-08	1.82582E-13	8.54485E-16	9.11326E-14	1.42167E-16
294	571510.6	4178239	0.55, 41782	0.81688	0.65976	0.82266	100.30585	50.40167	129.05875	14.55844	9.03737	16.96469	4.84E-10	4.46E-08	1.04E-08	1.49E-13	4.51E-13	3.56E-13	1.77E-16	4.27E-15	2.36E-16	4.68641E-15	4.843E-10	4.458E-08	1.03747E-08	1.52844E-13	7.15309E-16	7.62892E-14	1.19011E-16
295	571550.6	4178239	0.55, 41782	0.68618	0.56281	0.69258	92.19218	46.80105	116.817	12.52836	7.96128	14.60636	4.12E-10	4.11E-08	8.93E-09	1.27E-13	3.84E-13	3.03E-13	1.5E-16	3.63E-15	2.01E-16	3.98428E-15	4.117E-10	4.1099E-08	8.92862E-09	1.29944E-13	6.08139E-16	6.48594E-14	1.01181E-16
296	571590.6	4178239	0.55, 41782	0.57854	0.48285	0.58537	84.94405	43.3686	105.85184	10.89629	7.01254	13.23148	3.52E-10	3.79E-08	7.81E-09	1.09E-13	3.28E-13	2.59E-13	1.29E-16	3.11E-15	1.71E-16	3.40534E-15	3.519E-10	3.7865E-08	7.80697E-09	1.11063E-13	5.19774E-16	5.5435E-14	8.64786E-17
297	570310.6	4178279	0.55, 41782	0.11004	0.07807	0.10589	74.04292	22.79319	77.67346	10.17864	3.64675	10.70288	5.88E-11	2.35E-08	7.16E-09	1.81E-14	5.48E-14	4.33E-14	2.15E-17	5.19E-16	2.87E-17	5.69181E-16	5.882E-11	2.3481E-08	7.16258E-09	1.85634E-14	8.68769E-17	9.26561E-15	1.44543E-17
298	570350.6	4178279	0.55, 41782	0.12249	0.08802	0.11726	80.9847	23.74961	88.18196	11.08549	3.81596	12.05595	6.6E-11	2.53E-08	7.83E-09	2.04E-14	6.15E-14	4.86E-14	2.41E-17	5.83E-16	3.22E-17	6.39149E-16	6.605E-11	2.5277E-08	7.83211E-09	2.08454E-14	9.75564E-17	1.04046E-14	1.62312E-17
299	570390.6	4178279	0.55, 41782	0.13757	0.10016	0.13084	86.03589	24.80698	96.47388	11.74551	4.00404	13.13274	7.48E-11	2.68E-08	8.33E-09	2.31E-14	6.97E-14	5.51E-14	2.73E-17	6.6E-16	3.65E-17	7.24228E-16	7.484E-11	2.6836E-08	8.32663E-09	2.36202E-14	1.10542E-16	1.17896E-14	1.83917E-17
300	570430.6	4178279	0.55, 41782	0.15607	0.11514	0.14747	96.31741	27.84204	100.58043	12.03968	4.46456	13.6645	8.57E-11	2.95E-08	8.55E-09	2.64E-14	7.98E-14	6.31E-14	3.13E-17	7.56E-16	4.17E-17	8.29047E-16	8.567E-11	2.9499E-08	8.55111E-09	2.70388E-14	1.26541E-16	1.34959E-14	2.10536E-17
301	570470.6	4178279	0.55, 41782	0.17907	0.13378	0.16835	120.52086	33.01708	119.41006	15.06511	5.41696	14.92626	9.92E-11	3.54E-08	1.05E-08	3.06E-14	9.24E-14	7.3E-14	3.62E-17	8.75E-16	4.83E-17	9.59606E-16	9.916E-11	3.5389E-08	1.05292E-08	3.12969E-14	1.46469E-16	1.56213E-14	2.43692E-17
302	570510.6	4178279	0.55, 41782	0.20795	0.15724	0.19497	141.57577	37.85068	153.41811	17.69697	6.30845	19.17726	1.16E-10	4.21E-08	1.25E-08	3.58E-14	1.08E-13	8.55E-14	4.24E-17	1.03E-15	5.66E-17	1.12414E-15	1.162E-10	4.2083E-08	1.24978E-08	3.66631E-14	1.71584E-16	1.82997E-14	2.85476E-17
303	570550.6	4178279	0.55, 41782	0.24435	0.18714	0.22876	153.17347	42.50173	177.88461	19.14668	7.08362	22.23558	1.38E-10	4.73E-08	1.36E-08	4.25E-14	1.28E-13	1.01E-13	5.03E-17	1.22E-15	6.71E-17	1.3335E-15	1.378E-10	4.733E-08	1.36385E-08	4.3491E-14	2.03538E-16	2.17078E-14	3.38641E-17
304	570590.6	4178279	0.55, 41782	0.28993	0.22577	0.27077	157.86485	46.41285	177.78268	19.73311	7.73548	22.22284	1.66E-10	4.98E-08	1.4E-08	5.11E-14	1.54E-13	1.22E-13	6.05E-17	1.46E-15	8.06E-17	1.60184E-15	1.655E-10	4.98E-08	1.40017E-08	5.22429E-14	2.44497E-16	2.60761E-14	4.06787E-17
305	570630.6	4178279	0.55, 41782	0.34541	0.27631	0.32199	169.89337	50.77009	212.69617	21.23667	9.57894	26.58702	2.01E-10	5.57E-08	1.53E-08	6.21E-14	1.88E-13	1.48E-13	7.35E-17	1.78E-15	9.8E-17	1.94755E-15	2.013E-10	5.5732E-08	1.52784E-08	6.35179E-14	2.97264E-16	3.17038E-14	4.9458E-17
306	570670.6	4178279	0.55, 41782	0.40869	0.34273	0.38328	189.16159	55.36754	226.13934	23.6452	11.64813	28.26742	2.47E-10	6.06E-08	1.69E-08	7.63E-14	2.3E-13	1.82E-13	9.03E-17	2.18E-15	1.2E-16	2.39144E-15	2.471E-10	6.0566E-08	1.69063E-08	7.79951E-14	3.65017E-16	3.89299E-14	6.07306E-17
307	570710.6	4178279	0.55, 41782	0.47241	0.42944	0.45188	202.37611	59.97812	249.97635	25.29701	13.4468	31.24704	3.05E-10	6.58E-08	1.82E-08	9.41E-14	2.84E-13	2.24E-13	1.11E-16	2.69E-15	1.49E-16	2.95076E-15	3.049E-10	6.5843E-08	1.81663E-08	9.6237E-14	4.50389E-16	4.8035E-14	7.49346E-17
308	570750.6	4178279	0.55, 41782	0.52143	0.53099	0.51003	207.36077	66.44988	280.46815	28.38204	16.35494	35.05852	3.69E-10	7.22E-08	2.04E-08	1.14E-13	3.44E-13	2.72E-13	1.35E-16	3.26E-15	1.8E-16	3.57336E-15	3.693E-10	7.2165E-08	2.03818E-08	1.16543E-13	5.45419E-16	5.81701E-14	9.07454E-17
309	570790.6	4178279	0.55, 41782	0.56782	0.69623	0.54766	217.33897	75.80804	318.83899	33.24185	20.36018	42.96761	4.67E-10	8.1E-08	2.4E-08	1.44E-13	4.35E-13	3.44E-13	1.71E-16	4.12E-15	2.28E-16	4.5228E-15	4.674E-10	8.1031E-08	2.40215E-08	1.47508E-13	6.90337E-16	7.36259E-14	1.14856E-16
310	570830.6	4178279	0.55, 41782	0.62461	0.91706	0.58168	236.67869	94.57659	403.572	34.09074	24.90976	60.93237	5.97E-10	9.94E-08	2.6E-08	1.84E-13	5.56E-13	4.39E-13	2.18E-16	5.27E-15	2.91E-16	5.77612E-15	5.969E-10	9.9381E-08	2.59603E-08	1.88384E-13	8.81637E-16	9.40284E-14	1.46684E-16
311	570870.6	4178279	0.55, 41782	0.74364	1.27032	0.64347	232.57719	121.10786	430.4482	38.76287	29.17824	53.80602	8.06E-10	1.16E-07	2.83E-08	2.49E-13	7.51E-13	5.93E-13	2.95E-16	7.12E-15	3.93E-16	7.80378E-15	8.064E-10	1.1605E-07	2.83021E-08	2.54515E-13	1.19113E-15	1.27036E-13	1.98177E-16
312	570910.6	4178279	0.55, 41782	0.98087	1.94043	0.78377	289.58181	139.00222	423.1545	48.26363	45.30681	59.61258	1.21E-09	1.29E-07	3.47E-08	3.72E-13	1.12E-12	8.88E-13	4.41E-16	1.06E-14	5.88E-16	1.16746E-14	1.206E-09	1.2904E-07	3.46589E-08	3.8076E-13	1.78196E-15	1.90049E-13	2.96477E-16
313	570950.6	4178279	0.55, 41782	1.54705	3.33468	1.05206	380.89662	209.14004	464.4183	63.48277	60.99964	77.40305	2.04E-09	1.77E-07	4.55E-08	6.3E-13	1.9E-12	1.5E-12	7.46E-16	1.8E-14	9.94E-16	1.97546E-14	2.041E-09	1.7718E-07	4.55089E-08	6.44283E-13	3.01525E-15	3.21582E-13	5.01669E-16
314	571150.6	4178279	0.55, 41782	125.5821	15.27099	61.53709	2183.625	235.47088	4321.7852	1020.3296	115.3363	966.08792	2.13E-08	6.08E-07	7.1E-07	6.56E-12	1.98E-11	1.56E-11	7.76E-15	1.88E-13	1.04E-14	2.05677E-13	2.125E-08	6.0829E-07	7.09601E-07	6.708E-12	3.13935E-14	3.34818E-12	5.22316E-15
315	571190.6	4178279	0.55, 41782	19.14498	7.50998	20.68123	704.1647	157.76938	1300.13062	186.41477	61.8786	262.75525	7.02E-09	2.34E-07	1.36E-07	2.17E-12	6.54E-12	5.17E-12	2.56E-15	6.2E-14	3.42E-15	6.79399E-14	7.021E-09	2.3449E-07	1.36422E-07	2.21581E-12	1.037E-14	1.10598E-12	1.72533E-15
316	571230.6	4178279	0.55, 41782	9.41744	4.44398	9.68706	418.2482	120.63814	710.71948	87.01567	39.51148	138.35634	3.83E-09	1.49E-07	6.49E-08	1.18E-12	3.57E-12	2.82E-12	1.4E-15	3.38E-14	1.87E-15	3.71005E-14	3.834E-09	1.4948E-07	6.49137E-08	1.21001E-12	5.66283E-15	6.03953E-13	9.42167E-16
317	571270.6	4178279	0.55, 41782	5.33507	3.02277	5.65407	265.61255	99.06709	486.13138	58.88721	29.56115	89.94232	2.47E-09	1.1E-07	4.36E-08	7.61E-13	2.3E-12	1.82E-12	9.01E-16	2.18E-14	1.2E-15	2.38733E-14	2.467E-09	1.1019E-07	4.364E-08	7.78611E-13	3.6439E-15	3.8863E-13	6.06262E-16
318	571310.6	4178279	0.55, 41782	3.44949	2.20529	3.73581	197.38222	83.78037	349.19747	42.40574	23.44903	62.97539	1.74E-09	8.66E-08	3.13E-08	5.37E-13	1.62E-12	1.28E-12	6.36E-16	1.54E-14	8.48E-16	1.68518E-14	1.741E-09	8.6612E-08	3.1285E-08	5.49608E-13	2.57216E-15	2.74327E-13	4.2795E-16
319	571350.6	4178279	0.55, 41782	2.42474	1.67304	2.63741	164.77993	74.08708	262.11907	31.82391	19.20475	45.98547	1.29E-09	7.23E-08	2.34E-08	3.99E-13	1.21E-12	9.52E-13	4.73E-16	1.14E-14	6.3E-16	1.2518E-14	1.294E-09	7.231E-08	2.3378E-08	4.08266E-13	1.91069E-15	2.03779E-13	3.17895E-16
320	571390.6	4178279	0.55, 41782	1.80332	1.30805	1.94946	139.62437	66.18564	204.22507	24.75802	16.07748	34.84377	9.97E-10	6.18E-08	1.81E-08	3.08E-13	9.29E-13	7.34E-13	3.64E-16	8.8E-15	4.86E-16	9.64527E-15	9.967E-10	6.1769E-08	1.81142E-08	3.14573E-13	1.4722E-15	1.57014E-13	2.44941E-16
321	571430.6	4178279	0.55, 41782	1.38872	1.04688	1.49158	120.07885	59.47148	164.54693	19.78612	13.66223	27.17412	7.89E-10	5.37E-08	1.44E-08	2.43E-13	7.35E-13	5.81E-13	2.88E-16	6.96E-15	3.84E-16	7.63408E-15	7.889E-10	5.3675E-08	1.44237E-08	2.4898E-13	1.16523E-15	1.24274E-13	1.93867E-16
322	571470.6	4178279	0.55, 41782	1.11171	0.86066	1.18684	104.95004	53.66694	136.91558	16.34545	11.81303	21.87493	6.44E-10	4.73E-08	1.19E-08	1.99E-13	6E-13	4.74E-13	2.35E-16	5.68E-15	3.14E-16	6.22791E-15	6.436E-10	4.7312E-08	1.18704E-08	2.03119E-13	9.50596E-16	1.01383E-13	1.58158E-16
323	571510.6	4178279	0.55, 41782	0.90331	0.71725	0.95952	92.95227	48.50847	116.77816	13.70064	10.27697	17.93941	5.33E-10	4.21E-08	9.92E-09	1.64E-13	4.96E-13	3.92E-13	1.95E-16	4.7E-15	2.59E-16	5.15361E-15	5.325E-10	4.2096E-08	9.91857E-09	1.68081E-13	7.8662E-16	8.38947E-14	1.30876E-16
324	571550.6	4178279	0.55, 41782	0.74685	0.60641	0.79002	83.35854	43.88956	102.16829	11.6678	9.00306	14.97338	4.48E-10	3.78E-08	8.42E-09	1.38E-13	4.17E-13	3.29E-13	1.63E-16	3.95E-15	2.18E-16	4.3308E-15	4.475E-10	3.7767E-08	8.42299E-09	1.41246E-13	6.61031E-16	7.05003E-14	1.0998E-16
325	571590.6	4178279	0.55, 41782	0.63093	0.52161	0.66513	75.57295	41.1264	91.05382	10.11638	7.96472	12.7323	3.83E-10	3.49E-08	7.28E-09	1.18E-13	3.57E-13	2.82E-13	1.4E-16	3.38E-15	1.87E-16	3.70724E-15	3.831E-10	3.4862E-08	7.28337E-09	1.20909E-13	5.65854E-16	6.03495E-14	9.41452E-17
326	570310.6	4178319	0.55, 41783	0.1112	0.07908	0.10686	65.67409	25.12162	71.57917	10.72274	3.92383	11.92986	5.95E-11	2.38E-08	7.6E-09	1.84E-14	5.55E-14	4.38E-14	2.17E-17	5.25E-16	2.9E-17	5.76081E-16	5.953E-11	2.3776E-08	7.59691E-09	1.87885E-14	8.793E-17	9.37792E-15	1.46295E-17
327	570350.6	4178319	0.55, 41783	0.12381	0.08915	0.11863	72.99363	26.3644	78.028	10.96785	4.13077	12.26515	6.69E-11	2.54E-08	7.78E-09	2.06E-14	6.23E-14	4.92E-14	2.44E-17	5.9E-16	3.26E-17	6.47098E-16	6.687E-11	2.5436E-08	7.77548E-09	2.11046E-14	9.87697E-17	1.0534E-14	1.6433E-17
328	570390.6	4178319	0.55, 41783	0.13907	0.1015	0.13256	85.61577	27.73961	87.79758	11.84211	4.3586	12.34233	7.58E-11	2.78E-08	8.32E-09	2.34E-14	7.06E-14	5.58E-14	2.77E-17	6.69E-16	3.69E-17	7.33687E-16	7.582E-11	2.7765E-08	8.32452E-09	2.39287E-14	1.11986E-16	1.19436E-14	1.86319E-17
329	570430.6	4178319	0.55, 41783	0.15783	0.11689	0.14946	97.99246	29.27563	105.83642	13.47747	4.61214	14.5399	8.69E-11	3.08E-08	9.51E-09	2.68E-14	8.1E-14	6.4E-14	3.18E-17	7.67E-16	4.23E-17	8.41084E-16	8.691E-11	3.0818E-08	9.51286E-09	2.74313E-14	1.28379E-16	1.36919E-14	2.13593E-17
330	570470.6	4178319	0.55, 41783	0.18134	0.13633	0.17027	108.90086	31.01454	122.78	14.92794	4.89871	16.74752	1.01E-10	3.38E-08	1.06E-08	3.11E-14	9.4E-14	7.42E-14	3.69E-17	8.9E-16	4.91E-17	9.76222E-16	1.009E-10	3.3805E-08	1.05872E-08	3.18388E-14	1.49005E-16	1.58917E-14	2.47911E-17
331	570510.6	4178319	0.55, 41783	0.21129	0.16124	0.19656	118.40452	33.29424	135.32696	15.9306	5.40834	18.39398	1.19E-10	3.67E-08	1.13E-08	3.66E-14	1.11E-13	8.74E-14	4.34E-17	1.05E-15	5.78E-17	1.14899E-15	1.187E-10	3.6661E-08	1.13392E-08	3.74736E-14	1.75376E-16	1.87043E-14	2.91786E-17
332	570550.6	4178319	0.55, 41783	0.2503	0.19368	0.23096	153.9338	39.94632	153.89508	19.24172	6.62991	19.23689	1.42E-10	4.41E-08	1.35E-08	4.38E-14	1.32E-13	1.05E-13	5.19E-17	1.25E-15	6.92E-17	1.37412E-15	1.42E-10	4.4067E-08	1.34619E-08	4.48158E-14	2.09738E-16	2.2369E-14	3.48957E-17
333	570590.6	4178319	0.55, 41783	0.30196	0.23671	0.27701	186.54438	46.61587	209.37606	23.31805	7.76931	26.17201	1.73E-10	5.42E-08	1.65E-08	5.33E-14	1.61E-13	1.27E-13	6.32E-17	1.53E-15	8.42E-17	1.673E-15	1.729E-10	5.4199E-08	1.65385E-08	5.45637E-14	2.55358E-16	2.72345E-14	4.24858E-17
334	570630.6	4178319	0.55, 41783	0.37105	0.29503	0.3391	205.0145	52.79857	247.59232	25.62681	8.79976	30.94904	2.15E-10	6.18E-08	1.83E-08	6.62E-14	2E-13	1.58E-13	7.84E-17	1.89E-15	1.05E-16	2.07728E-15	2.147E-10	6.1814E-08	1.83477E-08	6.7749E-14	3.17065E-16	3.38157E-14	5.27525E-17
335	570670.6	4178319	0.55, 41783	0.462	0.37572	0.42024	218.45656	59.57781	273.51496	27.30707	11.98561	34.18937	2.72E-10	6.85E-08	1.96E-08	8.39E-14	2.53E-13	2E-13	9.93E-17	2.4E-15	1.32E-16	2.63018E-15	2.718E-10	6.848E-08	1.96459E-08	8.57815E-14	4.01457E-16	4.28163E-14	6.67934E-17
336	570710.6	4178319	0.55, 41783	0.57218	0.48827	0.5224	242.44958	66.62286	291.17197	30.3062	15.15553	36.3965	3.5E-10	7.53E-08	2.17E-08	1.08E-13	3.26E-13	2.57E-13	1.28E-16	3.08E-15	1.7E-16	3.38287E-15	3.496E-10	7.5308E-08	2.1682E-08	1.1033E-13	5.16344E-16	5.50692E-14	8.59079E-17
337	570750.6	4178319	0.55, 41783	0.67767	0.63416	0.63666	262.41203	72.71034	341.04886	32.8015	17.84948	42.63111	4.47E-10	8.39E-08	2.37E-08	1.38E-13	4.16E-13	3.29E-13	1.63E-16	3.94E-15	2.18E-16	4.32201E-15	4.466E-10	8.388E-08	2.37216E-08	1.40959E-13	6.59688E-16	7.03572E-14	1.09757E-16
338	570790.6	4178319	0.55, 41783	0.76041	0.85502	0.73352	285.66779	86.45349	381.79277	42.9347	23.67926	50.68659	5.83E-10	9.62E-08	3.06E-08	1.8E-13	5.43E-13	4.29E-13	2.13E-16	5.14E-15	2.84E-16	5.63905E-15	5.827E-10	9.6215E-08	3.06479E-08	1.83914E-13	8.60715E-16	9.17971E-14	1.43204E-16
339	570830.6	4178319	0.55, 41783	0.82107	1.23378	0.77266	302.59427	109.05103	424.78874	45.07728	29.79255	65.49858	8.01E-10	1.13E-07	3.31E-08	2.47E-13	7.46E-13	5.9E-13	2.93E-16	7.07E-15	3.9E-16	7.75173E-15	8.01E-10	1.1327E-07	3.31425E-08	2.52817E-13	1.18318E-15	1.26189E-13	1.96855E-16
340	570870.6	4178319	0.55, 41783	0.93174	1.8881	0.81484	263.71888	150.69846	583.61	37.23183	42.82711	79.94464	1.18E-09	1.47E-07	2.94E-08	3.63E-13	1.1E-12	8.66E-13	4.3E-16	1.04E-14	5.73E-16	1.13857E-14	1.177E-09	1.4655E-07	2.9405E-08	3.71336E-13	1.73785E-15	1.85346E-13	2.89139E-16
341	570910.6	4178319	0.55, 41783	1.19482	3.5981	0.94641	225.26352	195.84246	582.08496	37.31993	59.22953	72.76062	2.16E-09	1.69E-07	2.89E-08	6.66E-13	2.01E-12	1.59E-12	7.88E-16	1.9E-14	1.05E-15	2.0883E-14	2.158E-09	1.6922E-07	2.88953E-08	6.81084E-13	3.18747E-15	3.39951E-13	5.30324E-16
342	571190.6	4178319	0.55, 41783	29.13102	9.74239	24.19825	1204.46355	192.40018	1781.17361	337.10397	86.14095	400.692	9.17E-09	3.23E-07	2.41E-07	2.83E-12	8.54E-12	6.75E-12	3.35E-15	8.09E-14	4.47E-15	8.8748E-14	9.171E-09	3.2307E-07	2.40848E-07	2.89445E-12	1.3546E-14	1.44471E-12	2.25375E-15
343	571230.6	4178319	0.55, 41783	10.45163	5.25398	11.58574	479.33008	117.37647	725.29291	126.19986	44.06446	185.38424	4.5E-09	1.53E-07	9.29E-08	1.39E-12	4.19E-12	3.31E-12	1.64E-15	3.97E-14	2.19E-15	4.35489E-14	4.5E-09	1.5264E-07	9.29449E-08	1.42032E-12	6.64708E-15	7.08925E-13	1.10592E-15
344	571270.6	4178319	0.55, 41783	5.72808	3.4301	6.64009	292.22118	96.9874	479.91721	63.79547	33.00222	105.59121	2.8E-09	1.1E-07	4.79E-08	8.63E-13	2.61E-12	2.06E-12	1.02E-15	2.47E-14	1.36E-15	2.70625E-14	2.797E-09	1.1022E-07	4.79179E-08	8.82624E-13	4.13068E-15	4.40546E-13	6.87252E-16
345	571310.6	4178319	0.55, 41783	3.67711	2.43151	4.23514	175.48484	83.52768	339.71763	43.52526	25.92364	69.01312	1.92E-09	8.43E-08	3.25E-08	5.93E-13	1.79E-12	1.41E-12	7.02E-16	1.7E-14	9.36E-16	1.85919E-14	1.921E-09	8.435E-08	3.24547E-08	6.06362E-13	2.83777E-15	3.02655E-13	4.72141E-16
346	571350.6	4178319	0.55, 41783	2.57847	1.81872	2.91777	135.74456	73.58424	245.66728	31.86463	21.08438	47.561	1.41E-09	6.89E-08	2.35E-08	4.34E-13	1.31E-12	1.04E-12	5.14E-16	1.24E-14	6.85E-16	1.36117E-14	1.407E-09	6.8911E-08	2.35271E-08	4.43935E-13	2.07761E-15	2.21582E-13	3.45668E-16
347	571390.6	4178319	0.55, 41783	1.91038	1.41202	2.12389	114.67965	65.84745	189.40245	24.95277	17.54375	35.6451	1.08E-09	5.88E-08	1.83E-08	3.32E-13	1E-12	7.91E-13	3.93E-16	9.49E-15	5.24E-16	1.04047E-14	1.075E-09	5.8847E-08	1.82981E-08	3.3934E-13	1.58811E-15	1.69376E-13	2.64226E-16
348	571430.6	4178319	0.55, 41783	1.47151	1.12853	1.61377	100.57811	59.61061	161.57422	20.18585	14.84739	27.57311	8.49E-10	5.23E-08	1.47E-08	2.62E-13	7.91E-13	6.25E-13	3.1E-16	7.49E-15	4.14E-16	8.21842E-15	8.493E-10	5.2293E-08	1.47033E-08	2.68038E-13	1.25442E-15	1.33786E-13	2.08707E-16
349	571470.6	4178319	0.55, 41783	1.16585	0.92218	1.2649	90.09229	54.43044	139.38169	16.69193	12.71837	21.87498	6.87E-10	4.7E-08	1.21E-08	2.12E-13	6.41E-13	5.06E-13	2.51E-16	6.07E-15	3.35E-16	6.65253E-15	6.874E-10	4.6998E-08	1.20856E-08	2.16967E-13	1.01541E-15	1.08295E-13	1.68941E-16
350	571510.6	4178319	0.55, 41783	0.94595	0.76805	1.01773	81.52103	50.05282	121.69	14.06823	11.00608	17.76049	5.68E-10	4.26E-08	1.01E-08	1.75E-13	5.29E-13	4.18E-13	2.08E-16	5.01E-15	2.77E-16	5.49822E-15	5.682E-10	4.2626E-08	1.01328E-08	1.79321E-13	8.3922E-16	8.95046E-14	1.39627E-16
351	571550.6	4178319	0.55, 41783	0.78212	0.64956	0.83556	74.38547	46.28731	107.35752	12.02264	9.59923	14.66288	4.77E-10	3.89E-08	8.62E-09	1.47E-13	4.45E-13	3.51E-13	1.74E-16	4.21E-15	2.33E-16	4.61997E-15	4.774E-10	3.8949E-08	8.61898E-09	1.50677E-13	7.05169E-16	7.52077E-14	1.17324E-16
352	571590.6	4178319	0.55, 41783	0.65442	0.55508	0.69496	68.29245	42.98116	95.34122	10.3334	8.40789	12.26582	4.06E-10	3.58E-08	7.38E-09	1.25E-13	3.78E-13	2.99E-13	1.48E-16	3.58E-15	1.98E-16	3.92501E-15	4.056E-10	3.5777E-08	7.3815E-09	1.28011E-13	5.99093E-16	6.38946E-14	9.96755E-17
353	570310.6	4178359	0.55, 41783	0.11229	0.07993	0.10794	69.29068	26.58817	75.81746	11.54845	4.0095	12.46153	6.02E-11	2.52E-08	8.15E-09	1.86E-14	5.61E-14	4.43E-14	2.2E-17	5.31E-16	2.93E-17	5.82156E-16	6.016E-11	2.5155E-08	8.1515E-09	1.89866E-14	8.88573E-17	9.47682E-15	1.47838E-17
354	570350.6	4178359	0.55, 41783	0.12531	0.09043	0.1201	75.30937	28.06345	82.61098	12.55156	4.25756	13.7685	6.78E-11	2.69E-08	8.88E-09	2.09E-14	6.32E-14	4.99E-14	2.48E-17	5.98E-16	3.3E-17	6.56043E-16	6.779E-11	2.689E-08	8.87719E-09	2.13964E-14	1.00135E-16	1.06796E-14	1.66602E-17
355	570390.6	4178359	0.55, 41783	0.14084	0.10296	0.13441	81.29058	29.71471	90.82388	13.54843	4.53386	15.13731	7.69E-11	2.88E-08	9.6E-09	2.37E-14	7.16E-14	5.66E-14	2.81E-17	6.79E-16	3.75E-17	7.44057E-16	7.689E-11	2.8833E-08	9.60387E-09	2.42669E-14	1.13569E-16	1.21124E-14	1.88953E-17
356	570430.6	4178359	0.55, 41783	0.15989	0.11858	0.15186	87.11605	31.54887	98.44842	14.51934	4.83992	16.40807	8.82E-11	3.08E-08	1.03E-08	2.72E-14	8.22E-14	6.49E-14	3.22E-17	7.78E-16	4.3E-17	8.53291E-16	8.818E-11	3.0822E-08	1.03067E-08	2.78295E-14	1.30242E-16	1.38906E-14	2.16693E-17
357	570470.6	4178359	0.55, 41783	0.18374	0.13844	0.17326	97.3598	33.59814	106.34308	15.36354	5.1813	17.51553	1.02E-10	3.32E-08	1.09E-08	3.16E-14	9.54E-14	7.54E-14	3.74E-17	9.04E-16	4.99E-17	9.91353E-16	1.024E-10	3.3231E-08	1.0918E-08	3.23323E-14	1.51315E-16	1.61381E-14	2.51754E-17
358	570510.6	4178359	0.55, 41783	0.21432	0.16421	0.20002	118.04415	35.93263	125.3205	16.48105	5.5698	18.1537	1.21E-10	3.73E-08	1.17E-08	3.73E-14	1.13E-13	8.89E-14	4.42E-17	1.07E-15	5.89E-17	1.16951E-15	1.209E-10	3.7325E-08	1.16622E-08	3.81427E-14	1.78508E-16	1.90383E-14	2.96997E-17
359	570550.6	4178359	0.55, 41783	0.25472	0.19842	0.23435	139.50155	38.63371	157.96544	19.4148	6.01971	21.81117	1.45E-10	4.27E-08	1.38E-08	4.48E-14	1.35E-13	1.07E-13	5.3E-17	1.28E-15	7.07E-17	1.40499E-15	1.452E-10	4.2747E-08	1.37717E-08	4.58227E-14	2.1445E-16	2.28716E-14	3.56796E-17
360	570590.6	4178359	0.55, 41783	0.30979	0.24497	0.28017	159.83108	41.83842	190.36526	22.23989	6.84975	26.13545	1.78E-10	4.84E-08	1.59E-08	5.5E-14	1.66E-13	1.31E-13	6.51E-17	1.57E-15	8.68E-17	1.72479E-15	1.782E-10	4.8359E-08	1.5866E-08	5.62527E-14	2.63263E-16	2.80775E-14	4.38009E-17
361	570630.6	4178359	0.55, 41783	0.38734	0.31015	0.34391	206.43147	51.05257	211.21178	25.80393	8.50876	28.98998	2.24E-10	5.81E-08	1.83E-08	6.93E-14	2.09E-13	1.65E-13	8.2E-17	1.98E-15	1.09E-16	2.17252E-15	2.245E-10	5.807E-08	1.83038E-08	7.08553E-14	3.31603E-16	3.53661E-14	5.51712E-17
362	570670.6	4178359	0.55, 41783	0.50063	0.40488	0.43681	262.98595	60.70684	312.78941	32.87324	10.74505	39.09868	2.92E-10	7.5E-08	2.35E-08	9E-14	2.72E-13	2.15E-13	1.07E-16	2.58E-15	1.42E-16	2.8238E-15	2.918E-10	7.4995E-08	2.34886E-08	9.20962E-14	4.3101E-16	4.59682E-14	7.17103E-17
363	570710.6	4178359	0.55, 41783	0.66972	0.54814	0.57543	304.17814	72.14807	380.66102	38.02227	15.71205	47.58263	3.93E-10	8.93E-08	2.74E-08	1.21E-13	3.66E-13	2.89E-13	1.44E-16	3.47E-15	1.92E-16	3.80526E-15	3.932E-10	8.9304E-08	2.73531E-08	1.24106E-13	5.80814E-16	6.19451E-14	9.66344E-17
364	570750.6	4178359	0.55, 41783	0.90523	0.76876	0.77041	339.35657	85.82023	445.46467	44.72327	21.31802	55.68308	5.47E-10	1.04E-07	3.22E-08	1.69E-13	5.09E-13	4.02E-13	2E-16	4.82E-15	2.66E-16	5.28923E-15	5.466E-10	1.0424E-07	3.21513E-08	1.72504E-13	8.0732E-16	8.61024E-14	1.3432E-16
365	570790.6	4178359	0.55, 41783	1.13154	1.06104	0.98839	377.53193	96.31599	507.3356	54.94081	27.90141	63.41695	7.41E-10	1.17E-07	3.91E-08	2.29E-13	6.9E-13	5.45E-13	2.71E-16	6.54E-15	3.61E-16	7.17151E-15	7.411E-10	1.1736E-07	3.91048E-08	2.33894E-13	1.09462E-15	1.16744E-13	1.8212E-16
366	570830.6	4178359	0.55, 41783	1.33226	1.74963	1.18947	411.58415	139.14147	649.42864	69.46909	37.35577	97.59965	1.15E-09	1.55E-07	5.08E-08	3.56E-13	1.08E-12	8.49E-13	4.22E-16	1.02E-14	5.62E-16	1.11662E-14	1.154E-09	1.5457E-07	5.08137E-08	3.64177E-13	1.70435E-15	1.81773E-13	2.83565E-16
367	570870.6	4178359	0.55, 41783	1.45984	3.38436	1.19217	346.78431	184.49712	847.26971	52.43952	61.49528	124.03925	2.07E-09	1.91E-07	4.23E-08	6.4E-13	1.93E-12	1.53E-12	7.58E-16	1.83E-14	1.01E-15	2.00765E-14	2.075E-09	1.9136E-07	4.23147E-08	6.5478E-13	3.06437E-15	3.26822E-13	5.09842E-16
368	571150.6	4178359	0.55, 41783	17.36196	17.82412	10.70274	1537.79423	258.8776	2153.28101	350.34789	128.93656	372.67701	1.19E-08	4.1E-07	2.47E-07	3.67E-12	1.11E-11	8.74E-12	4.34E-15	1.05E-13	5.79E-15	1.14984E-13	1.188E-08	4.1037E-07	2.46872E-07	3.75011E-12	1.75505E-14	1.8718E-12	2.92001E-15
369	571190.6	4178359	0.55, 41783	10.35157	8.16971	8.42586	590.93034	162.31709	1380.32388	161.82999	76.08872	218.22557	5.87E-09	2.36E-07	1.18E-07	1.81E-12	5.47E-12	4.32E-12	2.15E-15	5.18E-14	2.86E-15	5.68358E-14	5.873E-09	2.3621E-07	1.17654E-07	1.85366E-12	8.67512E-15	9.2522E-13	1.44334E-15
370	571230.6	4178359	0.55, 41783	6.41954	4.85697	6.11014	429.96716	118.18476	649.38165	103.83364	47.29307	136.54892	3.59E-09	1.44E-07	7.52E-08	1.11E-12	3.35E-12	2.65E-12	1.31E-15	3.17E-14	1.75E-15	3.4788E-14	3.595E-09	1.4402E-07	7.52168E-08	1.13458E-12	5.30985E-15	5.66307E-13	8.83439E-16
371	571270.6	4178359	0.55, 41783	4.24607	3.28764	4.46672	330.34534	97.41521	669.03521	71.25122	30.79427	101.30501	2.45E-09	1.28E-07	5.22E-08	7.57E-13	2.29E-12	1.81E-12	8.96E-16	2.16E-14	1.19E-15	2.37388E-14	2.453E-09	1.2771E-07	5.22117E-08	7.74225E-13	3.62337E-15	3.8644E-13	6.02847E-16
372	571310.6	4178359	0.55, 41783	3.01802	2.39332	3.29044	280.32399	84.30249	476.5001	47.38187	23.6076	69.83839	1.78E-09	1.02E-07	3.49E-08	5.51E-13	1.66E-12	1.31E-12	6.52E-16	1.57E-14	8.69E-16	1.72664E-14	1.784E-09	1.0212E-07	3.49148E-08	5.6313E-13	2.63545E-15	2.81076E-13	4.38479E-16
373	571350.6	4178359	0.55, 41783	2.25439	1.82521	2.47896	223.1696	75.03337	276.07803	32.74083	19.24184	47.29925	1.36E-09	7.76E-08	2.41E-08	4.18E-13	1.26E-12	9.97E-13	4.95E-16	1.2E-14	6.6E-16	1.31159E-14	1.355E-09	7.7605E-08	2.40507E-08	4.27766E-13	2.00195E-15	2.13512E-13	3.33078E-16
374	571390.6	4178359	0.55, 41783	1.7395	1.43625	1.90839	164.0034	68.00709	177.73654	25.39154	16.17569	38.72375	1.06E-09	6.22E-08	1.88E-08	3.27E-13	9.89E-13	7.81E-13	3.88E-16	9.36E-15	5.17E-16	1.02677E-14	1.061E-09	6.2237E-08	1.88125E-08	3.34875E-13	1.56721E-15	1.67147E-13	2.60749E-16
375	571430.6	4178359	0.55, 41783	1.37666	1.15767	1.50113	113.66708	62.41604	162.05892	21.33563	13.79366	30.03325	8.51E-10	5.47E-08	1.56E-08	2.63E-13	7.93E-13	6.26E-13	3.11E-16	7.51E-15	4.14E-16	8.23248E-15	8.507E-10	5.472E-08	1.56107E-08	2.68496E-13	1.25656E-15	1.34015E-13	2.09064E-16
376	571470.6	4178359	0.55, 41783	1.11313	0.95193	1.20554	91.64258	57.80687	139.39839	17.74486	11.89568	22.85385	6.96E-10	4.9E-08	1.28E-08	2.15E-13	6.49E-13	5.12E-13	2.54E-16	6.14E-15	3.39E-16	6.73603E-15	6.961E-10	4.8982E-08	1.28164E-08	2.19691E-13	1.02815E-15	1.09655E-13	1.71061E-16
377	571510.6	4178359	0.55, 41783	0.9166	0.79605	0.98663	82.11168	53.90312	116.32041	14.64829	10.35284	20.08654	5.8E-10	4.44E-08	1.07E-08	1.79E-13	5.4E-13	4.26E-13	2.12E-16	5.11E-15	2.82E-16	5.60797E-15	5.795E-10	4.439E-08	1.06758E-08	1.829E-13	8.55972E-16	9.12912E-14	1.42414E-16
378	571550.6	4178359	0.55, 41783	0.76622	0.67498	0.82026	72.9064	50.52239	102.58687	12.13868	9.07968	17.28494	4.89E-10	4.08E-08	8.9E-09	1.51E-13	4.56E-13	3.6E-13	1.79E-16	4.32E-15	2.38E-16	4.73598E-15	4.894E-10	4.0845E-08	8.89707E-09	1.54461E-13	7.22876E-16	7.70963E-14	1.2027E-16
379	571590.6	4178359	0.55, 41783	0.64386	0.57575	0.68602	65.94968	47.48497	92.44167	10.99161	8.00686	15.40694	4.16E-10	3.79E-08	8.04E-09	1.28E-13	3.87E-13	3.06E-13	1.52E-16	3.67E-15	2.03E-16	4.02345E-15	4.158E-10	3.7916E-08	8.0371E-09	1.31222E-13	6.14118E-16	6.5497E-14	1.02175E-16
380	570310.6	4178399	0.55, 41783	0.11287	0.08031	0.1093	71.34246	27.87564	79.43468	11.89041	3.82503	13.23911	6.05E-11	2.63E-08	8.42E-09	1.87E-14	5.64E-14	4.45E-14	2.21E-17	5.34E-16	2.95E-17	5.85596E-16	6.051E-11	2.6286E-08	8.42498E-09	1.90988E-14	8.93824E-17	9.53282E-15	1.48712E-17
381	570350.6	4178399	0.55, 41783	0.12665	0.09175	0.12214	75.96419	29.57043	83.22909	12.46202	4.12173	13.80548	6.88E-11	2.78E-08	8.82E-09	2.12E-14	6.41E-14	5.06E-14	2.51E-17	6.07E-16	3.35E-17	6.6554E-16	6.877E-11	2.7821E-08	8.82498E-09	2.17061E-14	1.01585E-16	1.08342E-14	1.69014E-17
382	570390.6	4178399	0.55, 41783	0.1425	0.10434	0.13672	83.29233	31.439	92.96873	13.04897	4.44958	14.404	7.79E-11	3.01E-08	9.24E-09	2.41E-14	7.26E-14	5.74E-14	2.85E-17	6.88E-16	3.8E-17	7.54278E-16	7.794E-11	3.009E-08	9.23605E-09	2.46002E-14	1.15129E-16	1.22788E-14	1.91549E-17
383	570430.6	4178399	0.55, 41783	0.16211	0.12032	0.15453	91.32735	33.521	103.76057	14.59534	4.81492	15.65812	8.95E-11	3.26E-08	1.03E-08	2.76E-14	8.34E-14	6.59E-14	3.27E-17	7.9E-16	4.36E-17	8.66071E-16	8.95E-11	3.2605E-08	1.0295E-08	2.82463E-14	1.32193E-16	1.40986E-14	2.19939E-17
384	570470.6	4178399	0.55, 41783	0.18668	0.14051	0.17655	100.43451	35.89015	115.76296	16.57018	5.22899	18.35818	1.04E-10	3.54E-08	1.17E-08	3.21E-14	9.69E-14	7.66E-14	3.8E-17	9.18E-16	5.07E-17	1.00683E-15	1.04E-10	3.5443E-08	1.17337E-08	3.28369E-14	1.53677E-16	1.63899E-14	2.55683E-17
385	570510.6	4178399	0.55, 41783	0.21834	0.16684	0.20421	112.76596	38.62084	128.93318	18.79433	5.70408	21.48886	1.23E-10	3.88E-08	1.34E-08	3.79E-14	1.15E-13	9.05E-14	4.49E-17	1.08E-15	5.99E-17	1.18935E-15	1.229E-10	3.8778E-08	1.3361E-08	3.87897E-14	1.81536E-16	1.93612E-14	3.02035E-17
386	570550.6	4178399	0.55, 41783	0.26039	0.20212	0.2399	127.75395	41.82578	149.79254	21.29232	6.25899	24.96542	1.48E-10	4.31E-08	1.52E-08	4.57E-14	1.38E-13	1.09E-13	5.41E-17	1.31E-15	7.21E-17	1.43264E-15	1.48E-10	4.3148E-08	1.51856E-08	4.67247E-14	2.18672E-16	2.33218E-14	3.6382E-17
387	570590.6	4178399	0.55, 41783	0.3185	0.25095	0.28739	144.10526	45.67081	172.10131	24.01754	7.17597	28.68355	1.83E-10	4.81E-08	1.72E-08	5.64E-14	1.7E-13	1.34E-13	6.67E-17	1.61E-15	8.9E-17	1.76788E-15	1.827E-10	4.8075E-08	1.71703E-08	5.76581E-14	2.6984E-16	2.8779E-14	4.48952E-17
388	570630.6	4178399	0.55, 41783	0.40291	0.32135	0.35272	177.65061	50.39519	203.06539	27.05917	8.74903	32.05961	2.32E-10	5.53E-08	1.93E-08	7.17E-14	2.17E-13	1.71E-13	8.49E-17	2.05E-15	1.13E-16	2.2492E-15	2.324E-10	5.5254E-08	1.93246E-08	7.33559E-14	3.43306E-16	3.66143E-14	5.71183E-17
389	570670.6	4178399	0.55, 41783	0.53348	0.4284	0.44753	224.79663	56.41372	278.51402	32.60934	10.76331	39.25369	3.08E-10	6.75E-08	2.33E-08	9.5E-14	2.87E-13	2.27E-13	1.12E-16	2.72E-15	1.5E-16	2.97899E-15	3.078E-10	6.7505E-08	2.33369E-08	9.71575E-14	4.54697E-16	4.84944E-14	7.56513E-17
390	570710.6	4178399	0.55, 41783	0.75271	0.60288	0.59636	297.96202	70.92072	361.49768	41.13122	14.0152	50.83456	4.31E-10	8.67E-08	2.95E-08	1.33E-13	4.01E-13	3.17E-13	1.57E-16	3.8E-15	2.1E-16	4.16804E-15	4.307E-10	8.6723E-08	2.95395E-08	1.35938E-13	6.36188E-16	6.78508E-14	1.05847E-16
391	570750.6	4178399	0.55, 41783	1.15447	0.90762	0.85203	416.42427	90.04322	551.74774	52.05303	22.1169	68.96847	6.46E-10	1.2E-07	3.77E-08	1.99E-13	6.02E-13	4.76E-13	2.36E-16	5.7E-15	3.15E-16	6.25301E-15	6.462E-10	1.1979E-07	3.77475E-08	2.03938E-13	9.54428E-16	1.01792E-13	1.58795E-16
392	570790.6	4178399	0.55, 41783	1.70092	1.35462	1.23288	632.44551	121.09647	736.15706	79.05569	31.00919	92.01963	9.6E-10	1.65E-07	5.63E-08	2.96E-13	8.94E-13	7.07E-13	3.51E-16	8.47E-15	4.68E-16	9.28966E-15	9.599E-10	1.652E-07	5.63292E-08	3.02976E-13	1.41793E-15	1.51225E-13	2.35911E-16
393	570830.6	4178399	0.55, 41783	3.46088	2.976	2.05541	854.46592	185.76652	929.26678	157.19416	64.23703	133.05669	2.04E-09	2.3E-07	1.08E-07	6.3E-13	1.9E-12	1.5E-12	7.45E-16	1.8E-14	9.94E-16	1.97442E-14	2.04E-09	2.3042E-07	1.08083E-07	6.43944E-13	3.01366E-15	3.21413E-13	5.01404E-16
394	571110.6	4178399	0.55, 41783	4.7766	17.70794	5.53677	386.44752	237.89657	1139.86397	91.74551	117.26543	182.49582	1.06E-08	2.47E-07	7.13E-08	3.28E-12	9.89E-12	7.82E-12	3.88E-15	9.37E-14	5.17E-15	1.02772E-13	1.062E-08	2.4665E-07	7.13195E-08	3.35184E-12	1.56866E-14	1.67301E-12	2.6099E-15
395	571150.6	4178399	0.55, 41783	4.75682	9.04164	4.75414	493.27775	194.83019	977.82769	91.47407	80.27894	179.74579	5.72E-09	2.17E-07	7.09E-08	1.76E-12	5.33E-12	4.21E-12	2.09E-15	5.05E-14	2.79E-15	5.53506E-14	5.72E-09	2.166E-07	7.09348E-08	1.80522E-12	8.44843E-15	9.01043E-13	1.40563E-15
396	571190.6	4178399	0.55, 41783	4.13591	5.67532	3.9763	541.83424	159.29594	784.3481	82.25115	55.55038	130.43816	3.74E-09	1.85E-07	6.13E-08	1.15E-12	3.49E-12	2.75E-12	1.37E-15	3.3E-14	1.82E-15	3.61969E-14	3.74E-09	1.8461E-07	6.13325E-08	1.18054E-12	5.52491E-15	5.89243E-13	9.1922E-16
397	571230.6	4178399	0.55, 41783	3.34043	3.91116	3.41587	419.25179	113.41297	723.05548	67.92735	42.50701	103.29364	2.66E-09	1.46E-07	5.03E-08	8.21E-13	2.48E-12	1.96E-12	9.72E-16	2.35E-14	1.3E-15	2.57571E-14	2.662E-09	1.4648E-07	5.03036E-08	8.40048E-13	3.93143E-15	4.19295E-13	6.541E-16
398	571270.6	4178399	0.55, 41783	2.69096	2.84934	2.72459	276.99568	96.24025	620.23738	46.4546	32.10306	94.16047	1.97E-09	1.2E-07	3.62E-08	6.09E-13	1.84E-12	1.45E-12	7.21E-16	1.74E-14	9.61E-16	1.91005E-14	1.974E-09	1.1987E-07	3.625E-08	6.22949E-13	2.9154E-15	3.10934E-13	4.85057E-16
399	571310.6	4178399	0.55, 41783	2.15304	2.16763	2.23142	240.01182	84.08056	257.12386	39.08125	24.00367	52.53394	1.52E-09	8.22E-08	2.84E-08	4.69E-13	1.42E-12	1.12E-12	5.56E-16	1.34E-14	7.41E-16	1.47158E-14	1.521E-09	8.2225E-08	2.83998E-08	4.79944E-13	2.24614E-15	2.39555E-13	3.73706E-16
400	571350.6	4178399	0.55, 41783	1.74135	1.70512	1.85867	224.12525	73.73672	326.22415	31.06226	18.34101	44.13622	1.21E-09	8.09E-08	2.28E-08	3.73E-13	1.12E-12	8.89E-13	4.41E-16	1.07E-14	5.88E-16	1.16835E-14	1.207E-09	8.0882E-08	2.27597E-08	3.81048E-13	1.7833E-15	1.90193E-13	2.96701E-16
401	571390.6	4178399	0.55, 41783	1.43215	1.37481	1.54866	207.21833	64.01827	312.56807	26.21992	15.02288	39.07101	9.79E-10	7.33E-08	1.94E-08	3.02E-13	9.12E-13	7.21E-13	3.58E-16	8.64E-15	4.77E-16	9.47535E-15	9.791E-10	7.3321E-08	1.93543E-08	3.09032E-13	1.44627E-15	1.54248E-13	2.40626E-16
402	571430.6	4178399	0.55, 41783	1.19016	1.12906	1.29293	179.9524	59.14274	244.73255	22.49405	12.88734	30.59157	8.07E-10	6.36E-08	1.64E-08	2.49E-13	7.52E-13	5.94E-13	2.95E-16	7.12E-15	3.93E-16	7.80617E-15	8.067E-10	6.3555E-08	1.6374E-08	2.54593E-13	1.19149E-15	1.27075E-13	1.98238E-16
403	571470.6	4178399	0.55, 41783	0.9966	0.93995	1.08271	146.8642	55.47011	170.50633	18.35802	11.23121	21.31329	6.72E-10	5.36E-08	1.31E-08	2.07E-13	6.26E-13	4.95E-13	2.46E-16	5.93E-15	3.28E-16	6.50703E-15	6.724E-10	5.3593E-08	1.30762E-08	2.12222E-13	9.93199E-16	1.05927E-13	1.65246E-16
404	571510.6	4178399	0.55, 41783	0.8441	0.79417	0.91453	113.63796	52.27286	111.23462	14.20474	9.85599	18.36688	5.68E-10	4.51E-08	1.03E-08	1.75E-13	5.29E-13	4.18E-13	2.08E-16	5.01E-15	2.77E-16	5.49889E-15	5.682E-10	4.5062E-08	1.02652E-08	1.79342E-13	8.39322E-16	8.95155E-14	1.39644E-16
405	571550.6	4178399	0.55, 41783	0.71988	0.67749	0.77601	84.04695	49.45688	81.90115	12.59546	8.65245	16.41022	4.84E-10	3.93E-08	9.11E-09	1.49E-13	4.51E-13	3.57E-13	1.77E-16	4.27E-15	2.36E-16	4.68771E-15	4.844E-10	3.9326E-08	9.11203E-09	1.52886E-13	7.15507E-16	7.63104E-14	1.19044E-16
406	571590.6	4178399	0.55, 41783	0.61846	0.58359	0.66441	61.25343	46.95039	82.40366	11.31778	7.65227	14.12983	4.17E-10	3.65E-08	8.14E-09	1.29E-13	3.88E-13	3.07E-13	1.52E-16	3.68E-15	2.03E-16	4.03391E-15	4.168E-10	3.6533E-08	8.13933E-09	1.31563E-13	6.15716E-16	6.56674E-14	1.02441E-16
407	570310.6	4178439	0.55, 41784	0.11265	0.08111	0.10949	78.47962	27.91467	88.7071	13.07994	3.48933	14.78452	6.1E-11	2.75E-08	9.29E-09	1.88E-14	5.68E-14	4.49E-14	2.23E-17	5.38E-16	2.97E-17	5.89928E-16	6.096E-11	2.7485E-08	9.28519E-09	1.92401E-14	9.00436E-17	9.60334E-15	1.49812E-17
408	570350.6	4178439	0.55, 41784	0.12585	0.09139	0.12175	84.54471	29.62734	96.42477	14.09078	3.70342	16.0708	6.85E-11	2.94E-08	1E-08	2.11E-14	6.38E-14	5.04E-14	2.5E-17	6.04E-16	3.34E-17	6.62812E-16	6.849E-11	2.9429E-08	1.00141E-08	2.16171E-14	1.01168E-16	1.07898E-14	1.68321E-17
409	570390.6	4178439	0.55, 41784	0.14252	0.10489	0.13706	91.50908	31.67143	105.54781	15.25151	4.06451	17.5913	7.83E-11	3.17E-08	1.09E-08	2.42E-14	7.29E-14	5.76E-14	2.86E-17	6.91E-16	3.81E-17	7.57519E-16	7.828E-11	3.1725E-08	1.08544E-08	2.47059E-14	1.15624E-16	1.23315E-14	1.92372E-17
410	570430.6	4178439	0.55, 41784	0.16313	0.12204	0.15568	99.54775	33.93845	116.15512	16.59129	4.47421	19.35919	9.06E-11	3.43E-08	1.18E-08	2.8E-14	8.44E-14	6.67E-14	3.31E-17	8E-16	4.41E-17	8.76857E-16	9.061E-11	3.4329E-08	1.18254E-08	2.85981E-14	1.33839E-16	1.42742E-14	2.22678E-17
411	570470.6	4178439	0.55, 41784	0.18858	0.14267	0.1783	108.92524	36.54882	128.38607	18.15421	4.93599	21.39768	1.06E-10	3.73E-08	1.3E-08	3.26E-14	9.83E-14	7.76E-14	3.85E-17	9.31E-16	5.14E-17	1.02098E-15	1.055E-10	3.7337E-08	1.29563E-08	3.32985E-14	1.55837E-16	1.66204E-14	2.59278E-17
412	570510.6	4178439	0.55, 41784	0.22167	0.16966	0.20722	120.34611	39.98702	143.34164	20.05769	5.68986	23.89027	1.25E-10	4.11E-08	1.43E-08	3.85E-14	1.16E-13	9.19E-14	4.56E-17	1.1E-15	6.09E-17	1.2089E-15	1.249E-10	4.1149E-08	1.43343E-08	3.94273E-14	1.8452E-16	1.96794E-14	3.06999E-17
413	570550.6	4178439	0.55, 41784	0.2658	0.20594	0.24496	134.27176	44.24032	161.13607	22.37863	6.83821	26.85601	1.51E-10	4.58E-08	1.6E-08	4.66E-14	1.41E-13	1.11E-13	5.51E-17	1.33E-15	7.35E-17	1.46042E-15	1.509E-10	4.5797E-08	1.60088E-08	4.76305E-14	2.22911E-16	2.37739E-14	3.70873E-17
414	570590.6	4178439	0.55, 41784	0.3272	0.25654	0.29583	151.91315	49.32778	182.29969	25.31886	8.30482	30.38328	1.87E-10	5.14E-08	1.81E-08	5.77E-14	1.74E-13	1.38E-13	6.83E-17	1.65E-15	9.11E-17	1.80979E-15	1.87E-10	5.1408E-08	1.8112E-08	5.90248E-14	2.76236E-16	2.94612E-14	4.59595E-17
415	570630.6	4178439	0.55, 41784	0.41735	0.33056	0.3671	175.42083	55.6235	213.97884	29.2368	10.21264	34.63299	2.4E-10	5.89E-08	2.09E-08	7.39E-14	2.23E-13	1.76E-13	8.75E-17	2.11E-15	1.17E-16	2.31867E-15	2.396E-10	5.889E-08	2.08792E-08	7.56216E-14	3.53909E-16	3.77452E-14	5.88824E-17
416	570670.6	4178439	0.55, 41784	0.56024	0.44648	0.47194	208.37177	63.80907	268.23017	34.72863	12.75328	41.38807	3.22E-10	6.98E-08	2.48E-08	9.92E-14	3E-13	2.37E-13	1.17E-16	2.84E-15	1.57E-16	3.11149E-15	3.215E-10	6.9793E-08	2.48208E-08	1.01479E-13	4.74922E-16	5.06515E-14	7.90163E-17
417	570710.6	4178439	0.55, 41784	0.81434	0.64609	0.63688	258.28683	75.2647	339.8113	43.04781	16.40047	56.02404	4.62E-10	8.49E-08	3.11E-08	1.43E-13	4.3E-13	3.4E-13	1.69E-16	4.08E-15	2.25E-16	4.46975E-15	4.619E-10	8.495E-08	3.11376E-08	1.45778E-13	6.8224E-16	7.27624E-14	1.13509E-16
418	570750.6	4178439	0.55, 41784	1.35572	1.03003	0.91926	343.9155	93.10334	457.76974	57.16949	22.25077	76.29496	7.32E-10	1.1E-07	4.15E-08	2.26E-13	6.82E-13	5.39E-13	2.68E-16	6.46E-15	3.57E-16	7.0878E-15	7.324E-10	1.0956E-07	4.15008E-08	2.31164E-13	1.08185E-15	1.15381E-13	1.79995E-16
419	570790.6	4178439	0.55, 41784	3.18264	2.0617	1.49283	571.47263	129.70009	738.76969	95.66015	38.79176	110.20608	1.47E-09	1.66E-07	6.81E-08	4.53E-13	1.37E-12	1.08E-12	5.36E-16	1.3E-14	7.15E-16	1.42082E-14	1.468E-09	1.6637E-07	6.80706E-08	4.63391E-13	2.16867E-15	2.31293E-13	3.60818E-16
420	571070.6	4178439	0.55, 41784	4.74443	12.25677	5.33303	251.71558	235.3671	557.08631	48.15254	87.29167	78.37734	7.56E-09	1.91E-07	3.61E-08	2.33E-12	7.04E-12	5.56E-12	2.76E-15	6.67E-14	3.68E-15	7.3151E-14	7.559E-09	1.9098E-07	3.60643E-08	2.38577E-12	1.11654E-14	1.19081E-12	1.85767E-15
421	571110.6	4178439	0.55, 41784	3.89854	10.39914	4.234	292.37938	213.76959	730.76501	54.55193	96.69541	95.26587	6.38E-09	1.95E-07	4.14E-08	1.97E-12	5.95E-12	4.7E-12	2.33E-15	5.63E-14	3.11E-15	6.1766E-14	6.383E-09	1.9513E-07	4.13658E-08	2.01445E-12	9.42765E-15	1.00548E-12	1.56855E-15
422	571150.6	4178439	0.55, 41784	3.24566	6.14355	3.38328	299.25996	151.74182	537.6659	53.26943	58.88405	104.89405	3.9E-09	1.46E-07	4.13E-08	1.2E-12	3.63E-12	2.87E-12	1.42E-15	3.44E-14	1.9E-15	3.77338E-14	3.899E-09	1.4576E-07	4.13258E-08	1.23066E-12	5.75949E-15	6.14262E-13	9.58248E-16
423	571190.6	4178439	0.55, 41784	2.68652	4.20662	2.81661	319.22111	114.25705	663.08885	45.60302	42.68486	97.00809	2.74E-09	1.36E-07	3.59E-08	8.45E-13	2.55E-12	2.02E-12	1E-15	2.42E-14	1.33E-15	2.64997E-14	2.738E-09	1.3595E-07	3.59448E-08	8.64267E-13	4.04477E-15	4.31383E-13	6.72958E-16
424	571230.6	4178439	0.55, 41784	2.2851	3.10379	2.38014	355.31137	114.374	594.35462	48.25343	33.87475	78.4876	2.06E-09	1.33E-07	3.61E-08	6.37E-13	1.92E-12	1.52E-12	7.54E-16	1.82E-14	1.01E-15	1.99662E-14	2.063E-09	1.3288E-07	3.61357E-08	6.51184E-13	3.04754E-15	3.25027E-13	5.07042E-16
425	571270.6	4178439	0.55, 41784	1.91581	2.39067	2.08735	281.61312	92.35093	457.23387	43.32371	28.45229	65.31912	1.62E-09	1.05E-07	3.2E-08	5E-13	1.51E-12	1.19E-12	5.91E-16	1.43E-14	7.89E-16	1.56667E-14	1.619E-09	1.0518E-07	3.20393E-08	5.10959E-13	2.39129E-15	2.55036E-13	3.97856E-16
426	571310.6	4178439	0.55, 41784	1.62017	1.88774	1.73959	249.98498	75.512	443.82502	38.72011	23.46838	65.04063	1.29E-09	9.27E-08	2.92E-08	3.99E-13	1.2E-12	9.51E-13	4.72E-16	1.14E-14	6.3E-16	1.25057E-14	1.292E-09	9.2739E-08	2.91583E-08	4.07864E-13	1.9088E-15	2.03578E-13	3.17582E-16
427	571350.6	4178439	0.55, 41784	1.36969	1.52492	1.4607	207.90528	71.02603	289.54604	31.99215	18.96422	43.80183	1.05E-09	7.55E-08	2.33E-08	3.25E-13	9.8E-13	7.74E-13	3.84E-16	9.28E-15	5.13E-16	1.01813E-14	1.052E-09	7.5467E-08	2.33109E-08	3.32057E-13	1.55403E-15	1.6574E-13	2.58555E-16
428	571390.6	4178439	0.55, 41784	1.16602	1.25794	1.25769	137.82846	66.02867	157.99714	21.56098	15.29437	27.7078	8.74E-10	5.79E-08	1.56E-08	2.7E-13	8.15E-13	6.43E-13	3.19E-16	7.72E-15	4.26E-16	8.46089E-15	8.743E-10	5.7936E-08	1.55679E-08	2.75946E-13	1.29143E-15	1.37733E-13	2.14864E-16
429	571430.6	4178439	0.55, 41784	1.00225	1.05165	1.08939	150.81052	60.59063	188.78292	19.07395	12.70811	25.02004	7.36E-10	5.81E-08	1.38E-08	2.27E-13	6.85E-13	5.41E-13	2.69E-16	6.49E-15	3.58E-16	7.11894E-15	7.356E-10	5.8135E-08	1.38121E-08	2.32179E-13	1.0866E-15	1.15888E-13	1.80785E-16
430	571470.6	4178439	0.55, 41784	0.86528	0.88825	0.94207	153.64691	54.59461	206.40776	19.20586	10.6849	25.80097	6.24E-10	5.64E-08	1.4E-08	1.93E-13	5.82E-13	4.59E-13	2.28E-16	5.51E-15	3.04E-16	6.04093E-15	6.242E-10	5.6352E-08	1.39554E-08	1.9702E-13	9.22056E-16	9.83392E-14	1.53409E-16
431	571510.6	4178439	0.55, 41784	0.75493	0.76151	0.82291	144.52703	49.13224	189.90829	18.06588	9.74189	23.73854	5.37E-10	5.14E-08	1.31E-08	1.66E-13	5.01E-13	3.95E-13	1.96E-16	4.74E-15	2.62E-16	5.19856E-15	5.372E-10	5.1433E-08	1.30853E-08	1.69547E-13	7.93481E-16	8.46264E-14	1.32017E-16
432	571550.6	4178439	0.55, 41784	0.65913	0.65716	0.71761	127.58758	46.59598	156.05984	15.94845	8.8858	19.50748	4.65E-10	4.63E-08	1.14E-08	1.43E-13	4.33E-13	3.42E-13	1.7E-16	4.1E-15	2.26E-16	4.49652E-15	4.646E-10	4.6293E-08	1.14378E-08	1.46651E-13	6.86326E-16	7.31981E-14	1.14189E-16
433	571590.6	4178439	0.55, 41784	0.57626	0.57045	0.62441	106.82976	44.35137	118.44703	13.35372	8.08009	14.80588	4.04E-10	4.08E-08	9.46E-09	1.25E-13	3.76E-13	2.97E-13	1.47E-16	3.56E-15	1.97E-16	3.90685E-15	4.037E-10	4.0779E-08	9.4569E-09	1.27419E-13	5.96321E-16	6.35989E-14	9.92143E-17
434	570310.6	4178479	0.55, 41784	0.1113	0.08183	0.10709	74.58423	29.47815	84.27127	11.80727	4.00274	12.56763	6.11E-11	2.78E-08	8.32E-09	1.89E-14	5.69E-14	4.5E-14	2.23E-17	5.39E-16	2.98E-17	5.91171E-16	6.109E-11	2.7765E-08	8.32058E-09	1.92806E-14	9.02334E-17	9.62358E-15	1.50128E-17
435	570350.6	4178479	0.55, 41784	0.12561	0.09388	0.12027	80.0812	31.76761	91.05741	12.83362	4.33491	13.82729	6.98E-11	2.99E-08	9.06E-09	2.15E-14	6.5E-14	5.13E-14	2.55E-17	6.16E-16	3.4E-17	6.74991E-16	6.975E-11	2.9922E-08	9.05699E-09	2.20143E-14	1.03027E-16	1.09881E-14	1.71414E-17
436	570390.6	4178479	0.55, 41784	0.14146	0.10678	0.13471	86.10528	34.01158	98.86723	14.01299	4.67053	15.28263	7.91E-11	3.22E-08	9.9E-09	2.44E-14	7.37E-14	5.82E-14	2.89E-17	6.98E-16	3.85E-17	7.65297E-16	7.908E-11	3.2166E-08	9.90381E-09	2.49596E-14	1.16811E-16	1.24581E-14	1.94347E-17
437	570430.6	4178479	0.55, 41784	0.16075	0.12266	0.15218	93.00088	36.36689	108.11431	15.32204	5.02469	17.00047	9.05E-11	3.46E-08	1.09E-08	2.79E-14	8.44E-14	6.66E-14	3.31E-17	7.99E-16	4.41E-17	8.76098E-16	9.053E-11	3.4641E-08	1.08518E-08	2.85733E-14	1.33723E-16	1.42618E-14	2.22485E-17
438	570470.6	4178479	0.55, 41784	0.18644	0.14379	0.17515	101.96042	39.51551	120.09702	16.93263	5.48718	19.18544	1.06E-10	3.79E-08	1.2E-08	3.26E-14	9.85E-14	7.78E-14	3.86E-17	9.33E-16	5.15E-17	1.02333E-15	1.057E-10	3.7904E-08	1.20238E-08	3.33753E-14	1.56196E-16	1.66587E-14	2.59875E-17
439	570510.6	4178479	0.55, 41784	0.22079	0.17209	0.20548	113.44919	43.50567	135.70428	18.9082	6.17272	22.02345	1.26E-10	4.21E-08	1.35E-08	3.89E-14	1.17E-13	9.28E-14	4.61E-17	1.11E-15	6.14E-17	1.22016E-15	1.261E-10	4.2079E-08	1.34737E-08	3.97948E-14	1.8624E-16	1.98628E-14	3.0986E-17
440	570550.6	4178479	0.55, 41784	0.2667	0.21004	0.24533	127.7059	48.20733	155.63974	21.28432	7.34053	25.62853	1.53E-10	4.72E-08	1.52E-08	4.73E-14	1.43E-13	1.13E-13	5.6E-17	1.35E-15	7.47E-17	1.4834E-15	1.533E-10	4.7166E-08	1.52327E-08	4.83799E-14	2.26418E-16	2.41479E-14	3.76708E-17
441	570590.6	4178479	0.55, 41784	0.32931	0.26248	0.29831	144.67878	53.44745	182.17951	24.11313	8.81975	30.24215	1.91E-10	5.32E-08	1.74E-08	5.88E-14	1.78E-13	1.4E-13	6.97E-17	1.68E-15	9.29E-17	1.84504E-15	1.907E-10	5.3244E-08	1.73521E-08	6.01747E-14	2.81618E-16	3.00351E-14	4.68548E-17
442	570630.6	4178479	0.55, 41784	0.42133	0.33962	0.37314	165.95931	60.05375	219.0797	27.65989	10.77683	36.51328	2.45E-10	6.12E-08	2E-08	7.57E-14	2.29E-13	1.81E-13	8.96E-17	2.17E-15	1.2E-16	2.37462E-15	2.454E-10	6.1169E-08	2.00476E-08	7.74465E-14	3.6245E-16	3.8656E-14	6.03034E-17
443	570670.6	4178479	0.55, 41784	0.56746	0.46145	0.48445	193.36004	69.0612	272.47405	32.22667	13.5092	45.41234	3.31E-10	7.21E-08	2.36E-08	1.02E-13	3.09E-13	2.44E-13	1.21E-16	2.92E-15	1.61E-16	3.20626E-15	3.313E-10	7.2114E-08	2.35831E-08	1.0457E-13	4.89388E-16	5.21942E-14	8.1423E-17
444	570710.6	4178479	0.55, 41784	0.83023	0.67528	0.66195	236.53606	81.84268	352.22256	39.07222	17.68943	58.70376	4.81E-10	8.82E-08	2.89E-08	1.48E-13	4.48E-13	3.54E-13	1.76E-16	4.25E-15	2.34E-16	4.65616E-15	4.811E-10	8.8229E-08	2.8879E-08	1.51857E-13	7.10693E-16	7.57969E-14	1.18243E-16
445	570750.6	4178479	0.55, 41784	1.42426	1.12918	0.97629	342.03514	102.90165	482.1747	49.67165	25.1054	80.36245	7.97E-10	1.17E-07	3.72E-08	2.46E-13	7.42E-13	5.86E-13	2.91E-16	7.03E-15	3.88E-16	7.70846E-15	7.966E-10	1.1683E-07	3.71638E-08	2.51406E-13	1.17658E-15	1.25485E-13	1.95756E-16
446	570790.6	4178479	0.55, 41784	3.63047	2.75084	1.62936	596.75244	187.47347	722.34167	107.7468	51.23422	120.39028	1.89E-09	1.99E-07	7.64E-08	5.84E-13	1.76E-12	1.39E-12	6.91E-16	1.67E-14	9.22E-16	1.83071E-14	1.892E-09	1.9892E-07	7.63774E-08	5.97074E-13	2.79431E-15	2.98019E-13	4.64909E-16
447	571030.6	4178479	0.55, 41784	9.40071	15.68167	11.18665	333.68631	267.08575	756.18793	81.11776	110.69164	178.64972	1.02E-08	2.29E-07	6.44E-08	3.15E-12	9.53E-12	7.52E-12	3.74E-15	9.02E-14	4.98E-15	9.89354E-14	1.022E-08	2.2948E-07	6.44168E-08	3.22671E-12	1.5101E-14	1.61055E-12	2.51246E-15
448	571070.6	4178479	0.55, 41784	5.59712	9.0131	6.53916	216.22006	204.77885	522.16381	54.58514	76.29745	101.00005	5.9E-09	1.69E-07	4.18E-08	1.82E-12	5.49E-12	4.34E-12	2.15E-15	5.2E-14	2.87E-15	5.70649E-14	5.897E-09	1.6893E-07	4.1837E-08	1.86113E-12	8.71009E-15	9.28949E-13	1.44916E-15
449	571110.6	4178479	0.55, 41784	3.86033	5.8724	4.45436	232.77263	158.88759	526.3096	40.87392	60.11848	68.10823	3.87E-09	1.45E-07	3.07E-08	1.19E-12	3.61E-12	2.85E-12	1.41E-15	3.42E-14	1.89E-15	3.74574E-14	3.871E-09	1.4468E-07	3.0737E-08	1.22165E-12	5.7173E-15	6.09762E-13	9.51229E-16
450	571150.6	4178479	0.55, 41784	2.87873	4.17215	3.24074	243.47288	131.88403	510.79766	36.94401	47.80365	68.59206	2.76E-09	1.29E-07	2.83E-08	8.53E-13	2.58E-12	2.03E-12	1.01E-15	2.44E-14	1.35E-15	2.67529E-14	2.765E-09	1.2906E-07	2.83342E-08	8.72526E-13	4.08342E-15	4.35506E-13	6.79389E-16
451	571190.6	4178479	0.55, 41784	2.25924	3.11768	2.54212	272.99859	103.34976	495.79992	40.61499	35.56429	82.63332	2.08E-09	1.14E-07	3.17E-08	6.42E-13	1.94E-12	1.53E-12	7.61E-16	1.84E-14	1.01E-15	2.01487E-14	2.082E-09	1.1381E-07	3.17174E-08	6.57135E-13	3.07539E-15	3.27997E-13	5.11675E-16
452	571230.6	4178479	0.55, 41784	1.86428	2.43731	2.04705	228.60917	88.43023	428.91859	34.9281	28.65964	53.61482	1.64E-09	9.74E-08	2.59E-08	5.06E-13	1.53E-12	1.21E-12	5.99E-16	1.45E-14	7.98E-16	1.58567E-14	1.639E-09	9.7435E-08	2.59054E-08	5.17155E-13	2.42028E-15	2.58128E-13	4.0268E-16
453	571270.6	4178479	0.55, 41784	1.58233	1.95726	1.72288	275.18297	89.4878	451.79055	39.56066	24.38596	62.99097	1.33E-09	1.03E-07	2.95E-08	4.1E-13	1.24E-12	9.77E-13	4.85E-16	1.17E-14	6.47E-16	1.28455E-14	1.327E-09	1.0275E-07	2.95192E-08	4.18947E-13	1.96067E-15	2.0911E-13	3.26211E-16
454	571310.6	4178479	0.55, 41784	1.35793	1.6065	1.5101	222.77943	77.47813	328.49847	32.82803	21.05024	46.46168	1.1E-09	8.31E-08	2.4E-08	3.4E-13	1.03E-12	8.1E-13	4.02E-16	9.71E-15	5.36E-16	1.06524E-14	1.101E-09	8.3064E-08	2.40391E-08	3.47422E-13	1.62593E-15	1.73409E-13	2.70518E-16
455	571350.6	4178479	0.55, 41784	1.1642	1.33076	1.27594	210.30644	64.61424	297.95893	30.9494	18.13628	42.55235	9.16E-10	7.27E-08	2.26E-08	2.83E-13	8.54E-13	6.74E-13	3.35E-16	8.09E-15	4.46E-16	8.86702E-15	9.163E-10	7.27E-08	2.25651E-08	2.89192E-13	1.35342E-15	1.44345E-13	2.25178E-16
456	571390.6	4178479	0.55, 41784	1.001	1.11694	1.07653	187.8278	60.73144	278.37154	27.7002	15.35336	39.86006	7.71E-10	6.76E-08	2.03E-08	2.38E-13	7.18E-13	5.67E-13	2.82E-16	6.8E-15	3.76E-16	7.46109E-15	7.71E-10	6.758E-08	2.03356E-08	2.43338E-13	1.13882E-15	1.21458E-13	1.89474E-16
457	571430.6	4178479	0.55, 41784	0.8626	0.94616	0.9271	141.00765	57.76687	153.44465	20.99683	12.7525	23.01436	6.55E-10	5.32E-08	1.48E-08	2.02E-13	6.1E-13	4.82E-13	2.39E-16	5.78E-15	3.19E-16	6.34074E-15	6.552E-10	5.3166E-08	1.48487E-08	2.06799E-13	9.67817E-16	1.0322E-13	1.61023E-16
458	571470.6	4178479	0.55, 41784	0.75511	0.81334	0.81471	85.41876	54.87579	110.14274	13.60469	11.10539	17.11986	5.65E-10	4.47E-08	9.79E-09	1.75E-13	5.27E-13	4.16E-13	2.07E-16	4.99E-15	2.75E-16	5.47241E-15	5.655E-10	4.4656E-08	9.79459E-09	1.78479E-13	8.3528E-16	8.90844E-14	1.38972E-16
459	571510.6	4178479	0.55, 41784	0.666	0.70453	0.71826	104.54177	51.61661	121.24791	13.06772	9.4895	15.99878	4.92E-10	4.49E-08	9.37E-09	1.52E-13	4.58E-13	3.62E-13	1.8E-16	4.34E-15	2.39E-16	4.75709E-15	4.916E-10	4.4911E-08	9.37301E-09	1.55149E-13	7.26097E-16	7.74398E-14	1.20806E-16
460	571550.6	4178479	0.55, 41784	0.58993	0.61436	0.63446	114.23468	47.78612	141.81512	14.27934	8.47335	17.72689	4.3E-10	4.5E-08	1.03E-08	1.33E-13	4.01E-13	3.16E-13	1.57E-16	3.79E-15	2.09E-16	4.16E-15	4.299E-10	4.4998E-08	1.02613E-08	1.35675E-13	6.34961E-16	6.772E-14	1.05643E-16
461	571590.6	4178479	0.55, 41784	0.5248	0.5396	0.56365	114.71837	43.31659	143.69009	14.3398	7.89274	17.96126	3.78E-10	4.27E-08	1.03E-08	1.17E-13	3.53E-13	2.79E-13	1.38E-16	3.34E-15	1.84E-16	3.66269E-15	3.785E-10	4.2681E-08	1.03173E-08	1.19456E-13	5.59055E-16	5.96244E-14	9.3014E-17
462	570310.6	4178519	0.55, 41785	0.10968	0.08323	0.10459	75.92481	30.95134	85.20389	12.65413	4.31611	14.20065	6.16E-11	2.87E-08	8.97E-09	1.9E-14	5.74E-14	4.53E-14	2.25E-17	5.43E-16	3E-17	5.95848E-16	6.157E-11	2.8745E-08	8.97485E-09	1.94331E-14	9.09471E-17	9.6997E-15	1.51315E-17
463	570350.6	4178519	0.55, 41785	0.12253	0.09413	0.11632	80.98331	32.52203	91.70345	13.49722	4.56123	15.28391	6.94E-11	3.05E-08	9.58E-09	2.14E-14	6.46E-14	5.11E-14	2.53E-17	6.12E-16	3.38E-17	6.71464E-16	6.939E-11	3.045E-08	9.58358E-09	2.18993E-14	1.02489E-16	1.09307E-14	1.70518E-17
464	570390.6	4178519	0.55, 41785	0.13706	0.10653	0.12954	86.4192	34.09518	99.00991	14.4032	4.78567	16.50165	7.83E-11	3.22E-08	1.02E-08	2.41E-14	7.29E-14	5.76E-14	2.86E-17	6.91E-16	3.81E-17	7.57339E-16	7.826E-11	3.2244E-08	1.02419E-08	2.47001E-14	1.15596E-16	1.23286E-14	1.92326E-17
465	570430.6	4178519	0.55, 41785	0.15657	0.12308	0.14711	93.48729	36.56809	108.68156	15.58121	5.11226	18.11359	9.01E-11	3.48E-08	1.11E-08	2.78E-14	8.4E-14	6.63E-14	3.29E-17	7.95E-16	4.39E-17	8.71968E-16	9.011E-11	3.4829E-08	1.11002E-08	2.84386E-14	1.33093E-16	1.41946E-14	2.21436E-17
466	570470.6	4178519	0.55, 41785	0.18113	0.14422	0.16907	101.65142	39.2669	120.52836	16.9419	5.47129	20.08806	1.05E-10	3.78E-08	1.21E-08	3.25E-14	9.8E-14	7.74E-14	3.84E-17	9.28E-16	5.12E-17	1.0178E-15	1.052E-10	3.7779E-08	1.21004E-08	3.31949E-14	1.55352E-16	1.65686E-14	2.58471E-17
467	570510.6	4178519	0.55, 41785	0.21556	0.17373	0.19928	112.42418	43.21366	137.68321	18.73736	6.23491	22.9472	1.26E-10	4.2E-08	1.34E-08	3.89E-14	1.18E-13	9.29E-14	4.61E-17	1.11E-15	6.15E-17	1.22113E-15	1.262E-10	4.2007E-08	1.34402E-08	3.98262E-14	1.86387E-16	1.98785E-14	3.10105E-17
468	570550.6	4178519	0.55, 41785	0.26244	0.21401	0.23948	127.39838	48.06291	159.66591	20.89373	7.26318	26.61098	1.55E-10	4.74E-08	1.51E-08	4.78E-14	1.44E-13	1.14E-13	5.65E-17	1.37E-15	7.54E-17	1.4978E-15	1.548E-10	4.7383E-08	1.50673E-08	4.88497E-14	2.28617E-16	2.43824E-14	3.80366E-17
469	570590.6	4178519	0.55, 41785	0.32438	0.26815	0.29055	146.74921	52.55391	186.84388	23.05175	8.49659	31.14065	1.93E-10	5.32E-08	1.68E-08	5.95E-14	1.8E-13	1.42E-13	7.05E-17	1.7E-15	9.4E-17	1.86677E-15	1.929E-10	5.3242E-08	1.67635E-08	6.08834E-14	2.84934E-16	3.03888E-14	4.74066E-17
470	570630.6	4178519	0.55, 41785	0.41604	0.34788	0.36203	170.82398	60.03664	221.85088	25.41079	10.076	36.97515	2.49E-10	6.17E-08	1.87E-08	7.68E-14	2.32E-13	1.83E-13	9.09E-17	2.2E-15	1.21E-16	2.40757E-15	2.488E-10	6.1683E-08	1.86871E-08	7.85213E-14	3.6748E-16	3.91925E-14	6.11403E-17
471	570670.6	4178519	0.55, 41785	0.56352	0.47347	0.46761	210.6175	71.54419	266.74609	27.95974	12.2085	44.45768	3.36E-10	7.41E-08	2.09E-08	1.04E-13	3.13E-13	2.48E-13	1.23E-16	2.97E-15	1.64E-16	3.25599E-15	3.365E-10	7.4135E-08	2.08581E-08	1.06192E-13	4.96978E-16	5.30038E-14	8.26859E-17
472	570710.6	4178519	0.55, 41785	0.82936	0.69158	0.6351	257.30872	94.91316	337.8148	32.16359	16.3308	53.60133	4.88E-10	9.57E-08	2.42E-08	1.51E-13	4.55E-13	3.59E-13	1.78E-16	4.31E-15	2.38E-16	4.72327E-15	4.881E-10	9.5699E-08	2.41874E-08	1.54046E-13	7.20935E-16	7.68893E-14	1.19947E-16
473	570750.6	4178519	0.55, 41785	1.36529	1.13262	0.93188	327.60111	130.96882	473.41526	45.80096	29.91109	62.68561	7.91E-10	1.31E-07	3.34E-08	2.44E-13	7.37E-13	5.82E-13	2.89E-16	6.98E-15	3.85E-16	7.6574E-15	7.913E-10	1.309E-07	3.33709E-08	2.49741E-13	1.16879E-15	1.24653E-13	1.94459E-16
474	570790.6	4178519	0.55, 41785	2.09469	1.90095	1.39228	339.24086	174.34023	730.67406	59.4987	49.70987	91.33426	1.3E-09	1.76E-07	4.41E-08	4.02E-13	1.21E-12	9.58E-13	4.76E-16	1.15E-14	6.34E-16	1.26016E-14	1.302E-09	1.7605E-07	4.41291E-08	4.10993E-13	1.92345E-15	2.0514E-13	3.20018E-16
475	570990.6	4178519	0.55, 41785	30.9381	16.28557	11.79039	1645.60932	278.46944	1244.70182	444.29015	131.46412	279.7997	1.2E-08	3.57E-07	2.98E-07	3.69E-12	1.11E-11	8.8E-12	4.37E-15	1.06E-13	5.83E-15	1.15758E-13	1.196E-08	3.5669E-07	2.97918E-07	3.77537E-12	1.76687E-14	1.88441E-12	2.93967E-15
476	571030.6	4178519	0.55, 41785	10.39533	8.05295	7.62595	575.07494	188.36146	999.69988	130.51861	75.45666	173.23921	5.75E-09	2.2E-07	9.47E-08	1.77E-12	5.36E-12	4.23E-12	2.1E-15	5.07E-14	2.8E-15	5.56234E-14	5.748E-09	2.1984E-07	9.46728E-08	1.81412E-12	8.49007E-15	9.05484E-13	1.41256E-15
477	571070.6	4178519	0.55, 41785	5.62777	5.38206	5.21191	327.13066	151.27996	542.64793	61.45445	56.79768	91.26612	3.77E-09	1.48E-07	4.53E-08	1.16E-12	3.51E-12	2.77E-12	1.38E-15	3.32E-14	1.84E-15	3.64598E-14	3.768E-09	1.4765E-07	4.53384E-08	1.18911E-12	5.56504E-15	5.93523E-13	9.25896E-16
478	571110.6	4178519	0.55, 41785	3.70135	3.92679	3.70614	194.51307	130.68512	402.95521	41.68788	44.49195	69.09918	2.72E-09	1.17E-07	3.13E-08	8.38E-13	2.53E-12	2E-12	9.92E-16	2.4E-14	1.32E-15	2.62818E-14	2.716E-09	1.1684E-07	3.13203E-08	8.57161E-13	4.01151E-15	4.27836E-13	6.67425E-16
479	571150.6	4178519	0.55, 41785	2.69329	3.00723	2.77155	208.02281	103.35418	440.08145	30.40761	37.50867	55.01018	2.07E-09	1.05E-07	2.32E-08	6.37E-13	1.92E-12	1.52E-12	7.55E-16	1.82E-14	1.01E-15	1.99905E-14	2.066E-09	1.0535E-07	2.32075E-08	6.51977E-13	3.05125E-15	3.25423E-13	5.07659E-16
480	571190.6	4178519	0.55, 41785	2.08526	2.38411	2.19601	205.94825	100.14217	330.97092	32.90062	31.32752	44.74048	1.63E-09	9.49E-08	2.39E-08	5.04E-13	1.52E-12	1.2E-12	5.97E-16	1.44E-14	7.96E-16	1.5817E-14	1.634E-09	9.4852E-08	2.39489E-08	5.1586E-13	2.41423E-15	2.57482E-13	4.01672E-16
481	571230.6	4178519	0.55, 41785	1.66362	1.91731	1.76389	215.41751	83.66277	360.55042	30.77393	25.17962	52.13444	1.31E-09	8.86E-08	2.32E-08	4.05E-13	1.22E-12	9.67E-13	4.8E-16	1.16E-14	6.4E-16	1.27103E-14	1.313E-09	8.8572E-08	2.32091E-08	4.14538E-13	1.94004E-15	2.06909E-13	3.22779E-16
482	571270.6	4178519	0.55, 41785	1.38104	1.58176	1.44385	194.90891	74.63088	227.07234	31.16799	21.56574	34.54332	1.08E-09	7.18E-08	2.21E-08	3.34E-13	1.01E-12	7.97E-13	3.96E-16	9.56E-15	5.28E-16	1.04825E-14	1.083E-09	7.1753E-08	2.20716E-08	3.41879E-13	1.59999E-15	1.70643E-13	2.66202E-16
483	571310.6	4178519	0.55, 41785	1.18628	1.33473	1.24995	227.7435	74.01926	353.91479	34.0231	18.88588	51.12416	9.18E-10	8.34E-08	2.51E-08	2.83E-13	8.55E-13	6.76E-13	3.35E-16	8.1E-15	4.47E-16	8.88214E-15	9.178E-10	8.3443E-08	2.51476E-08	2.89685E-13	1.35572E-15	1.44591E-13	2.25562E-16
484	571350.6	4178519	0.55, 41785	1.02794	1.1349	1.10387	186.21806	66.32591	255.87469	28.09378	16.3212	37.6065	7.85E-10	6.88E-08	2.04E-08	2.42E-13	7.31E-13	5.78E-13	2.87E-16	6.93E-15	3.82E-16	7.59528E-15	7.849E-10	6.8834E-08	2.0403E-08	2.47715E-13	1.1593E-15	1.23642E-13	1.92882E-16
485	571390.6	4178519	0.55, 41785	0.88898	0.96986	0.94947	165.64096	58.31983	230.86073	23.55305	14.40747	29.95608	6.72E-10	6.11E-08	1.7E-08	2.07E-13	6.26E-13	4.94E-13	2.45E-16	5.93E-15	3.27E-16	6.50182E-15	6.719E-10	6.1106E-08	1.69818E-08	2.12052E-13	9.92404E-16	1.05842E-13	1.65114E-16
486	571430.6	4178519	0.55, 41785	0.7696	0.83467	0.8102	166.81635	54.79876	235.11797	23.72844	12.50769	32.6638	5.78E-10	5.95E-08	1.73E-08	1.78E-13	5.38E-13	4.25E-13	2.11E-16	5.1E-15	2.82E-16	5.59302E-15	5.78E-10	5.9549E-08	1.73035E-08	1.82412E-13	8.53689E-16	9.10478E-14	1.42035E-16
487	571470.6	4178519	0.55, 41785	0.67066	0.72494	0.7032	138.40145	51.97552	171.46902	19.82816	10.73341	24.30543	5.02E-10	5.12E-08	1.42E-08	1.55E-13	4.68E-13	3.7E-13	1.83E-16	4.43E-15	2.45E-16	4.85872E-15	5.021E-10	5.1186E-08	1.42244E-08	1.58464E-13	7.4161E-16	7.90943E-14	1.23387E-16
488	571510.6	4178519	0.55, 41785	0.58987	0.63439	0.62004	93.94363	49.66848	89.41667	13.736	9.50533	13.29785	4.4E-10	4.07E-08	9.58E-09	1.36E-13	4.1E-13	3.24E-13	1.61E-16	3.88E-15	2.14E-16	4.2572E-15	4.399E-10	4.0656E-08	9.57583E-09	1.38846E-13	6.49797E-16	6.93022E-14	1.08111E-16
489	571550.6	4178519	0.55, 41785	0.52422	0.55926	0.55249	64.7066	47.53612	82.72316	9.81761	8.44297	11.85775	3.89E-10	3.71E-08	7.03E-09	1.2E-13	3.62E-13	2.86E-13	1.42E-16	3.43E-15	1.89E-16	3.76006E-15	3.885E-10	3.7102E-08	7.0291E-09	1.22632E-13	5.73916E-16	6.12093E-14	9.54865E-17
490	571590.6	4178519	0.55, 41785	0.47148	0.49721	0.49682	75.39988	45.27823	83.60413	9.54319	7.49343	11.2302	3.46E-10	3.66E-08	6.81E-09	1.07E-13	3.23E-13	2.55E-13	1.26E-16	3.06E-15	1.69E-16	3.35046E-15	3.462E-10	3.6583E-08	6.80935E-09	1.09273E-13	5.11396E-16	5.45415E-14	8.50847E-17
491	570310.6	4178559	0.55, 41785	0.10731	0.08405	0.10201	76.80272	30.54078	89.48595	12.80045	4.19275	14.91432	6.17E-11	2.89E-08	9.12E-09	1.9E-14	5.75E-14	4.54E-14	2.25E-17	5.44E-16	3E-17	5.96874E-16	6.168E-11	2.8907E-08	9.1218E-09	1.94666E-14	9.11037E-17	9.71641E-15	1.51576E-17
492	570350.6	4178559	0.55, 41785	0.11907	0.09438	0.11262	82.9813	31.5625	94.82328	13.39224	4.31782	15.80388	6.9E-11	3.03E-08	9.56E-09	2.13E-14	6.43E-14	5.08E-14	2.52E-17	6.09E-16	3.36E-17	6.67897E-16	6.902E-11	3.0285E-08	9.55924E-09	2.1783E-14	1.01944E-16	1.08726E-14	1.69612E-17
493	570390.6	4178559	0.55, 41785	0.1339	0.10748	0.12591	90.55746	32.83588	101.05325	14.07263	4.47793	16.84221	7.83E-11	3.2E-08	1.01E-08	2.42E-14	7.3E-14	5.76E-14	2.86E-17	6.91E-16	3.81E-17	7.57788E-16	7.831E-11	3.1962E-08	1.00634E-08	2.47147E-14	1.15665E-16	1.23359E-14	1.9244E-17
494	570430.6	4178559	0.55, 41785	0.15297	0.12443	0.14282	99.07784	34.42492	111.25467	14.88754	4.68196	18.0897	9.03E-11	3.42E-08	1.07E-08	2.79E-14	8.41E-14	6.65E-14	3.3E-17	7.97E-16	4.4E-17	8.73809E-16	9.03E-11	3.4186E-08	1.06675E-08	2.84986E-14	1.33374E-16	1.42246E-14	2.21904E-17
495	570470.6	4178559	0.55, 41785	0.17711	0.14611	0.16369	108.3811	37.13833	125.77833	15.68816	5.10948	19.33096	1.06E-10	3.74E-08	1.13E-08	3.26E-14	9.83E-14	7.77E-14	3.86E-17	9.31E-16	5.14E-17	1.02148E-15	1.056E-10	3.7427E-08	1.12623E-08	3.33147E-14	1.55913E-16	1.66284E-14	2.59404E-17
496	570510.6	4178559	0.55, 41785	0.21022	0.1758	0.19176	119.02071	41.74654	144.28309	16.67371	5.7123	20.76073	1.26E-10	4.21E-08	1.2E-08	3.9E-14	1.18E-13	9.3E-14	4.62E-17	1.12E-15	6.16E-17	1.22334E-15	1.264E-10	4.2122E-08	1.19867E-08	3.98985E-14	1.86725E-16	1.99146E-14	3.10668E-17
497	570550.6	4178559	0.55, 41785	0.25686	0.21737	0.22998	138.81712	48.97119	169.0217	17.78034	6.5378	22.20322	1.56E-10	4.93E-08	1.28E-08	4.8E-14	1.45E-13	1.14E-13	5.68E-17	1.37E-15	7.58E-17	1.50533E-15	1.556E-10	4.9343E-08	1.27874E-08	4.90954E-14	2.29766E-16	2.45051E-14	3.82279E-17
498	570590.6	4178559	0.55, 41785	0.31921	0.27311	0.27901	158.95656	55.69599	196.40207	19.86957	7.90259	24.55026	1.94E-10	5.65E-08	1.43E-08	6E-14	1.81E-13	1.43E-13	7.1E-17	1.72E-15	9.47E-17	1.88164E-15	1.944E-10	5.6514E-08	1.42693E-08	6.13685E-14	2.87205E-16	3.0631E-14	4.77843E-17
499	570630.6	4178559	0.55, 41785	0.41072	0.35398	0.34795	180.38278	65.18573	228.48167	22.54785	9.64997	28.56021	2.51E-10	6.57E-08	1.62E-08	7.74E-14	2.34E-13	1.85E-13	9.16E-17	2.21E-15	1.22E-16	2.42658E-15	2.508E-10	6.5679E-08	1.62478E-08	7.91413E-14	3.70381E-16	3.95019E-14	6.1623E-17
500	570670.6	4178559	0.55, 41785	0.55178	0.47716	0.45068	218.05495	85.23197	290.43238	27.25687	14.02323	36.30405	3.36E-10	8.41E-08	1.98E-08	1.04E-13	3.13E-13	2.48E-13	1.23E-16	2.97E-15	1.64E-16	3.25591E-15	3.365E-10	8.4104E-08	1.97809E-08	1.06189E-13	4.96965E-16	5.30024E-14	8.26838E-17
501	570710.6	4178559	0.55, 41785	0.78132	0.6809	0.62169	244.71244	105.12049	355.26836	32.595	21.74638	44.40855	4.78E-10	1.02E-07	2.37E-08	1.48E-13	4.45E-13	3.52E-13	1.75E-16	4.22E-15	2.33E-16	4.62616E-15	4.78E-10	1.0198E-07	2.3733E-08	1.50879E-13	7.06113E-16	7.53084E-14	1.17481E-16
502	570750.6	4178559	0.55, 41785	1.13763	1.02831	0.92752	276.33124	124.7524	514.56755	39.47589	32.46528	64.32094	7.18E-10	1.27E-07	2.96E-08	2.22E-13	6.69E-13	5.29E-13	2.62E-16	6.34E-15	3.5E-16	6.95213E-15	7.184E-10	1.2744E-07	2.95711E-08	2.26739E-13	1.06114E-15	1.13172E-13	1.76549E-16
503	570790.6	4178559	0.55, 41785	1.48115	1.46435	1.34156	285.306	157.20995	776.24295	43.19026	42.97795	97.64972	1.02E-09	1.67E-07	3.45E-08	3.13E-13	9.47E-13	7.48E-13	3.71E-16	8.97E-15	4.95E-16	9.83136E-15	1.016E-09	1.6668E-07	3.44968E-08	3.20643E-13	1.50061E-15	1.60043E-13	2.49667E-16
504	570830.6	4178559	0.55, 41785	2.67811	2.99292	2.3948	342.02881	178.80856	871.65336	66.23843	64.34565	121.28657	2.03E-09	1.9E-07	5.07E-08	6.26E-13	1.89E-12	1.49E-12	7.41E-16	1.79E-14	9.88E-16	1.96175E-14	2.027E-09	1.898E-07	5.06684E-08	6.39811E-13	2.99432E-15	3.1935E-13	4.98187E-16
505	570950.6	4178559	0.55, 41785	26.55575	12.00196	5.05287	679.01352	318.67052	1487.06516	280.37281	116.3834	245.48668	8.77E-09	3.37E-07	1.93E-07	2.7E-12	8.17E-12	6.45E-12	3.2E-15	7.74E-14	4.27E-15	8.48295E-14	8.766E-09	3.3741E-07	1.93419E-07	2.76665E-12	1.29479E-14	1.38093E-12	2.15424E-15
506	570990.6	4178559	0.55, 41785	10.52141	6.96087	4.44153	639.29991	205.65266	1371.63359	133.52138	75.6432	174.17097	4.9E-09	2.63E-07	9.66E-08	1.51E-12	4.56E-12	3.6E-12	1.79E-15	4.32E-14	2.38E-15	4.73794E-14	4.896E-09	2.6276E-07	9.66109E-08	1.54525E-12	7.23175E-15	7.71282E-13	1.2032E-15
507	571030.6	4178559	0.55, 41785	6.12086	4.69941	3.63304	562.31532	143.87555	907.33173	97.52112	53.65332	135.00156	3.29E-09	1.87E-07	7.12E-08	1.02E-12	3.07E-12	2.42E-12	1.2E-15	2.91E-14	1.6E-15	3.18716E-14	3.293E-09	1.8695E-07	7.11747E-08	1.03947E-12	4.86472E-15	5.18832E-13	8.09378E-16
508	571070.6	4178559	0.55, 41785	4.00501	3.46908	2.98955	291.75499	122.4909	364.39166	69.10596	41.80504	75.82917	2.42E-09	1.15E-07	4.89E-08	7.48E-13	2.26E-12	1.78E-12	8.85E-16	2.14E-14	1.18E-15	2.34491E-14	2.423E-09	1.1535E-07	4.88776E-08	7.64775E-13	3.57915E-15	3.81724E-13	5.95489E-16
509	571110.6	4178559	0.55, 41785	2.89394	2.70355	2.4438	288.47324	105.99812	437.78623	48.03981	36.46899	59.71453	1.88E-09	1.12E-07	3.45E-08	5.81E-13	1.75E-12	1.39E-12	6.88E-16	1.66E-14	9.17E-16	1.82229E-14	1.883E-09	1.117E-07	3.45279E-08	5.94328E-13	2.78145E-15	2.96648E-13	4.62771E-16
510	571150.6	4178559	0.55, 41785	2.21115	2.17534	2.01472	240.56187	97.79178	377.92847	31.90722	30.3701	47.66793	1.51E-09	9.94E-08	2.36E-08	4.66E-13	1.41E-12	1.11E-12	5.52E-16	1.33E-14	7.36E-16	1.4628E-14	1.512E-09	9.9405E-08	2.3562E-08	4.77081E-13	2.23274E-15	2.38126E-13	3.71477E-16
511	571190.6	4178559	0.55, 41785	1.76303	1.79806	1.6955	177.14345	83.63267	264.27885	24.55859	26.34777	34.50528	1.25E-09	7.86E-08	1.8E-08	3.85E-13	1.16E-12	9.18E-13	4.56E-16	1.1E-14	6.08E-16	1.20746E-14	1.248E-09	7.8585E-08	1.79637E-08	3.93805E-13	1.84301E-15	1.96561E-13	3.06635E-16
512	571230.6	4178559	0.55, 41785	1.44054	1.50665	1.43503	192.87207	80.98435	306.26039	29.09943	22.26218	51.0434	1.04E-09	8.14E-08	2.21E-08	3.22E-13	9.73E-13	7.69E-13	3.82E-16	9.22E-15	5.09E-16	1.01062E-14	1.044E-09	8.1394E-08	2.20834E-08	3.29608E-13	1.54256E-15	1.64518E-13	2.56648E-16
513	571270.6	4178559	0.55, 41785	1.19178	1.27042	1.20125	167.21575	71.42327	283.3883	22.32638	19.23301	35.42354	8.78E-10	7.26E-08	1.66E-08	2.71E-13	8.18E-13	6.47E-13	3.21E-16	7.75E-15	4.28E-16	8.50106E-15	8.785E-10	7.2647E-08	1.66495E-08	2.77256E-13	1.29756E-15	1.38387E-13	2.15884E-16
514	571310.6	4178559	0.55, 41785	1.01245	1.08581	1.02025	169.23295	65.49002	155.67948	26.6418	16.91234	25.18935	7.5E-10	5.94E-08	1.85E-08	2.31E-13	6.99E-13	5.52E-13	2.74E-16	6.62E-15	3.65E-16	7.2571E-15	7.499E-10	5.9427E-08	1.85255E-08	2.36685E-13	1.10769E-15	1.18137E-13	1.84294E-16
515	571350.6	4178559	0.55, 41785	0.8838	0.94242	0.90608	194.09519	63.64749	285.0024	28.90026	14.99354	40.61241	6.53E-10	7.01E-08	2.11E-08	2.01E-13	6.08E-13	4.8E-13	2.38E-16	5.76E-15	3.18E-16	6.31745E-15	6.528E-10	7.0123E-08	2.11401E-08	2.06039E-13	9.64262E-16	1.02841E-13	1.60431E-16
516	571390.6	4178559	0.55, 41785	0.78025	0.82372	0.8159	158.10154	57.98385	206.74246	23.81897	12.89204	30.22211	5.73E-10	5.85E-08	1.72E-08	1.77E-13	5.34E-13	4.22E-13	2.09E-16	5.06E-15	2.79E-16	5.54468E-15	5.73E-10	5.855E-08	1.71678E-08	1.80836E-13	8.46311E-16	9.02609E-14	1.40807E-16
517	571430.6	4178559	0.55, 41785	0.68512	0.72115	0.71821	137.68904	52.2569	180.06144	18.93914	11.62385	25.68604	5.02E-10	5.2E-08	1.38E-08	1.55E-13	4.68E-13	3.69E-13	1.83E-16	4.43E-15	2.45E-16	4.85846E-15	5.02E-10	5.1973E-08	1.37807E-08	1.58455E-13	7.4157E-16	7.909E-14	1.2338E-16
518	571470.6	4178559	0.55, 41785	0.60049	0.63425	0.62389	143.56241	49.93475	187.32246	19.90478	10.29716	25.60594	4.41E-10	5.16E-08	1.44E-08	1.36E-13	4.11E-13	3.24E-13	1.61E-16	3.89E-15	2.15E-16	4.26583E-15	4.408E-10	5.1617E-08	1.43741E-08	1.39127E-13	6.51114E-16	6.94427E-14	1.08331E-16
519	571510.6	4178559	0.55, 41785	0.52736	0.56045	0.5447	131.02036	47.72087	167.66109	18.26486	8.99798	23.11602	3.89E-10	4.8E-08	1.32E-08	1.2E-13	3.62E-13	2.86E-13	1.42E-16	3.43E-15	1.89E-16	3.76247E-15	3.888E-10	4.8048E-08	1.316E-08	1.2271E-13	5.74284E-16	6.12486E-14	9.55479E-17
520	571550.6	4178559	0.55, 41785	0.46874	0.49944	0.48529	99.50634	45.73793	109.0385	14.05158	8.03042	15.4257	3.46E-10	4.04E-08	9.94E-09	1.07E-13	3.23E-13	2.55E-13	1.27E-16	3.06E-15	1.69E-16	3.35207E-15	3.464E-10	4.0354E-08	9.93902E-09	1.09325E-13	5.11642E-16	5.45677E-14	8.51257E-17
521	571590.6	4178559	0.55, 41785	0.42104	0.44786	0.43792	63.39282	43.98321	60.02596	9.17705	7.35207	9.24249	3.11E-10	3.33E-08	6.43E-09	9.59E-14	2.9E-13	2.29E-13	1.14E-16	2.74E-15	1.51E-16	3.0084E-15	3.109E-10	3.3253E-08	6.42577E-09	9.81169E-14	4.59187E-16	4.89733E-14	7.63983E-17
522	570310.6	4178599	0.55, 41785	0.10507	0.08466	0.09914	83.25071	28.48032	95.05484	11.19876	3.62883	12.56574	6.17E-11	2.86E-08	7.94E-09	1.9E-14	5.74E-14	4.54E-14	2.25E-17	5.44E-16	3E-17	5.96624E-16	6.165E-11	2.86E-08	7.94251E-09	1.94585E-14	9.10656E-17	9.71234E-15	1.51513E-17
523	570350.6	4178599	0.55, 41785	0.11716	0.09561	0.10985	88.57329	30.33455	103.53599	11.44069	3.79182	12.942	6.94E-11	3.06E-08	8.12E-09	2.14E-14	6.46E-14	5.11E-14	2.53E-17	6.12E-16	3.38E-17	6.71273E-16	6.937E-11	3.0636E-08	8.12233E-09	2.18931E-14	1.0246E-16	1.09275E-14	1.7047E-17
524	570390.6	4178599	0.55, 41785	0.13131	0.10865	0.12235	93.2639	32.45644	112.44406	11.65799	4.05706	14.05551	7.85E-11	3.28E-08	8.34E-09	2.42E-14	7.32E-14	5.78E-14	2.87E-17	6.93E-16	3.82E-17	7.59826E-16	7.852E-11	3.2815E-08	8.34478E-09	2.47812E-14	1.15976E-16	1.23691E-14	1.92958E-17
525	570430.6	4178599	0.55, 41785	0.15022	0.126	0.13878	103.53542	36.02365	122.12845	12.94193	4.50296	15.26606	9.07E-11	3.62E-08	9.24E-09	2.8E-14	8.45E-14	6.67E-14	3.31E-17	8E-16	4.42E-17	8.77545E-16	9.068E-11	3.6213E-08	9.23731E-09	2.86205E-14	1.33944E-16	1.42854E-14	2.22852E-17
526	570470.6	4178599	0.55, 41785	0.17421	0.14819	0.15942	115.63183	39.91557	131.63773	14.45398	5.34922	16.45472	1.06E-10	3.99E-08	1.03E-08	3.28E-14	9.89E-14	7.82E-14	3.88E-17	9.37E-16	5.17E-17	1.0277E-15	1.062E-10	3.9893E-08	1.02698E-08	3.35177E-14	1.56863E-16	1.67298E-14	2.60984E-17
527	570510.6	4178599	0.55, 41785	0.20799	0.17912	0.18803	128.15759	44.54205	154.67263	16.0197	6.36274	19.33408	1.28E-10	4.51E-08	1.15E-08	3.94E-14	1.19E-13	9.41E-14	4.67E-17	1.13E-15	6.23E-17	1.23708E-15	1.278E-10	4.5073E-08	1.14684E-08	4.03466E-14	1.88822E-16	2.01383E-14	3.14157E-17
528	570550.6	4178599	0.55, 41785	0.25382	0.22088	0.22625	141.74172	51.90419	182.47104	17.71771	7.41488	22.80888	1.57E-10	5.22E-08	1.28E-08	4.85E-14	1.46E-13	1.16E-13	5.74E-17	1.39E-15	7.65E-17	1.51961E-15	1.57E-10	5.2221E-08	1.27961E-08	4.95609E-14	2.31945E-16	2.47374E-14	3.85904E-17
529	570590.6	4178599	0.55, 41785	0.31442	0.27626	0.27638	161.8077	62.94071	207.9054	20.22596	8.27119	25.98817	1.96E-10	6.16E-08	1.46E-08	6.04E-14	1.82E-13	1.44E-13	7.15E-17	1.73E-15	9.53E-17	1.89375E-15	1.957E-10	6.1641E-08	1.46037E-08	6.17632E-14	2.89052E-16	3.0828E-14	4.80917E-17
530	570630.6	4178599	0.55, 41785	0.39904	0.35395	0.34775	187.04764	77.01967	233.41259	23.38095	12.20463	29.17657	2.5E-10	7.31E-08	1.68E-08	7.71E-14	2.33E-13	1.84E-13	9.13E-17	2.21E-15	1.22E-16	2.41916E-15	2.5E-10	7.3091E-08	1.68136E-08	7.88993E-14	3.69249E-16	3.93812E-14	6.14346E-17
531	570670.6	4178599	0.55, 41785	0.52025	0.46779	0.4567	203.91154	89.67976	314.96286	27.18561	17.16092	39.37036	3.3E-10	8.76E-08	2E-08	1.02E-13	3.07E-13	2.43E-13	1.2E-16	2.91E-15	1.61E-16	3.19069E-15	3.297E-10	8.7626E-08	1.99776E-08	1.04062E-13	4.87011E-16	5.19407E-14	8.10276E-17
532	570710.6	4178599	0.55, 41785	0.68748	0.63563	0.62617	226.5911	101.22552	383.25212	32.37016	22.387	47.90652	4.47E-10	1.01E-07	2.39E-08	1.38E-13	4.17E-13	3.29E-13	1.63E-16	3.95E-15	2.18E-16	4.32794E-15	4.472E-10	1.0086E-07	2.38682E-08	1.41153E-13	6.60594E-16	7.04537E-14	1.09908E-16
533	570750.6	4178599	0.55, 41785	0.91976	0.89022	0.88415	243.41497	114.05895	499.75889	34.77357	31.00996	69.4997	6.24E-10	1.18E-07	2.71E-08	1.93E-13	5.82E-13	4.59E-13	2.28E-16	5.51E-15	3.04E-16	6.04067E-15	6.242E-10	1.1824E-07	2.70576E-08	1.97012E-13	9.22016E-16	9.8335E-14	1.53403E-16
534	570790.6	4178599	0.55, 41785	1.20615	1.22781	1.16033	261.32328	130.44037	537.17009	39.31654	39.06207	73.65107	8.52E-10	1.31E-07	3.02E-08	2.63E-13	7.94E-13	6.27E-13	3.11E-16	7.52E-15	4.15E-16	8.24851E-15	8.524E-10	1.3145E-07	3.02052E-08	2.69019E-13	1.25901E-15	1.34276E-13	2.09471E-16
535	570830.6	4178599	0.55, 41785	1.86035	2.06593	1.53512	307.79075	158.37727	606.96091	57.33573	51.17396	80.52216	1.39E-09	1.55E-07	4.19E-08	4.29E-13	1.3E-12	1.02E-12	5.08E-16	1.23E-14	6.77E-16	1.34589E-14	1.391E-09	1.5545E-07	4.19362E-08	4.38952E-13	2.05429E-15	2.19095E-13	3.41788E-16
536	570870.6	4178599	0.55, 41785	2.81953	3.8452	1.88016	429.66876	238.19724	679.18896	77.96533	87.47681	90.64703	2.47E-09	2.13E-07	5.55E-08	7.63E-13	2.3E-12	1.82E-12	9.03E-16	2.18E-14	1.2E-15	2.39162E-14	2.471E-09	2.1334E-07	5.55441E-08	7.80008E-13	3.65044E-15	3.89327E-13	6.0735E-16
537	570910.6	4178599	0.55, 41785	4.21414	6.38342	2.32175	555.65098	273.48442	945.27353	124.98504	103.73159	124.24769	4.01E-09	2.62E-07	8.74E-08	1.24E-12	3.74E-12	2.95E-12	1.47E-15	3.54E-14	1.95E-15	3.88115E-14	4.011E-09	2.6186E-07	8.73866E-08	1.26581E-12	5.92398E-15	6.31805E-13	9.85617E-16
538	570950.6	4178599	0.55, 41785	4.59898	4.54538	2.28746	563.80012	195.03038	769.06119	96.52509	58.5202	125.1466	3.01E-09	2.05E-07	6.98E-08	9.28E-13	2.8E-12	2.21E-12	1.1E-15	2.65E-14	1.46E-15	2.90906E-14	3.006E-09	2.0474E-07	6.97817E-08	9.48769E-13	4.44024E-15	4.73561E-13	7.38755E-16
539	570990.6	4178599	0.55, 41785	3.82228	3.4158	2.10211	387.45867	157.86758	722.29473	74.93195	45.58999	97.36969	2.31E-09	1.69E-07	5.42E-08	7.13E-13	2.15E-12	1.7E-12	8.45E-16	2.04E-14	1.13E-15	2.23753E-14	2.312E-09	1.6923E-07	5.41884E-08	7.29755E-13	3.41525E-15	3.64244E-13	5.68221E-16
540	571030.6	4178599	0.55, 41785	3.02247	2.69987	1.99871	442.17309	124.03841	776.22539	67.82636	38.72372	97.59907	1.85E-09	1.58E-07	4.98E-08	5.72E-13	1.73E-12	1.36E-12	6.77E-16	1.64E-14	9.03E-16	1.79428E-14	1.854E-09	1.5803E-07	4.97934E-08	5.85191E-13	2.7387E-15	2.92088E-13	4.55657E-16
541	571070.6	4178599	0.55, 41785	2.43201	2.20804	1.81695	323.32852	105.96293	523.5768	49.87717	32.54487	75.45431	1.53E-09	1.21E-07	3.69E-08	4.72E-13	1.42E-12	1.12E-12	5.58E-16	1.35E-14	7.44E-16	1.47886E-14	1.528E-09	1.2061E-07	3.69058E-08	4.82319E-13	2.25725E-15	2.40741E-13	3.75556E-16
542	571110.6	4178599	0.55, 41785	1.9361	1.83698	1.53551	285.52756	89.63178	395.42144	42.26506	28.59229	57.87538	1.27E-09	9.91E-08	3.08E-08	3.91E-13	1.18E-12	9.33E-13	4.63E-16	1.12E-14	6.18E-16	1.22685E-14	1.268E-09	9.9051E-08	3.07969E-08	4.00128E-13	1.8726E-15	1.99717E-13	3.11558E-16
543	571150.6	4178599	0.55, 41785	1.58315	1.55537	1.34493	182.41041	88.91432	301.39134	29.75311	25.20352	37.67392	1.07E-09	8.48E-08	2.14E-08	3.31E-13	1E-12	7.9E-13	3.92E-16	9.47E-15	5.23E-16	1.03877E-14	1.073E-09	8.478E-08	2.14388E-08	3.38786E-13	1.58552E-15	1.69099E-13	2.63794E-16
544	571190.6	4178599	0.55, 41785	1.33739	1.33597	1.20735	189.26194	77.8274	237.13522	24.55337	21.99349	31.52399	9.25E-10	7.4E-08	1.77E-08	2.85E-13	8.62E-13	6.81E-13	3.38E-16	8.16E-15	4.5E-16	8.94837E-15	9.247E-10	7.3973E-08	1.77262E-08	2.91845E-13	1.36583E-15	1.45669E-13	2.27244E-16
545	571230.6	4178599	0.55, 41785	1.14183	1.1549	1.07779	177.02423	70.01737	247.02933	25.42204	18.83046	36.19826	8.01E-10	6.96E-08	1.86E-08	2.47E-13	7.46E-13	5.9E-13	2.93E-16	7.07E-15	3.9E-16	7.75277E-15	8.011E-10	6.9622E-08	1.8633E-08	2.52851E-13	1.18334E-15	1.26206E-13	1.96881E-16
546	571270.6	4178599	0.55, 41785	0.97959	1.00523	0.95378	160.46118	68.49541	236.51718	22.92303	16.81937	33.9008	6.98E-10	6.69E-08	1.69E-08	2.15E-13	6.5E-13	5.13E-13	2.55E-16	6.16E-15	3.4E-16	6.75128E-15	6.976E-10	6.6905E-08	1.69004E-08	2.20188E-13	1.03048E-15	1.09903E-13	1.71449E-16
547	571310.6	4178599	0.55, 41785	0.84011	0.87488	0.82502	131.92842	62.86665	193.55215	16.49105	15.16442	24.19402	6.06E-10	5.86E-08	1.21E-08	1.87E-13	5.65E-13	4.46E-13	2.21E-16	5.35E-15	2.95E-16	5.86439E-15	6.06E-10	5.8594E-08	1.21431E-08	1.91263E-13	8.9511E-16	9.54654E-14	1.48926E-16
548	571350.6	4178599	0.55, 41785	0.73896	0.77159	0.73066	149.85158	58.69155	153.82017	22.55392	13.49962	22.49489	5.35E-10	5.43E-08	1.58E-08	1.65E-13	4.98E-13	3.93E-13	1.95E-16	4.72E-15	2.6E-16	5.17315E-15	5.346E-10	5.4268E-08	1.5775E-08	1.68718E-13	7.89602E-16	8.42128E-14	1.31372E-16
549	571390.6	4178599	0.55, 41785	0.661	0.68563	0.66671	168.50279	56.32456	235.09945	24.41155	12.10471	32.40344	4.77E-10	6.05E-08	1.77E-08	1.47E-13	4.44E-13	3.51E-13	1.74E-16	4.21E-15	2.32E-16	4.61275E-15	4.767E-10	6.0506E-08	1.77073E-08	1.50442E-13	7.04066E-16	7.50902E-14	1.17141E-16
550	571430.6	4178599	0.55, 41785	0.59511	0.61204	0.61151	136.17098	51.76249	171.68803	20.03651	10.61326	24.28892	4.27E-10	5.09E-08	1.44E-08	1.32E-13	3.98E-13	3.14E-13	1.56E-16	3.77E-15	2.08E-16	4.13317E-15	4.271E-10	5.0944E-08	1.43525E-08	1.348E-13	6.30866E-16	6.72832E-14	1.04962E-16
551	571470.6	4178599	0.55, 41785	0.53051	0.54561	0.54811	117.9441	47.17442	154.11151	16.84916	9.40387	22.01593	3.81E-10	4.59E-08	1.22E-08	1.18E-13	3.55E-13	2.8E-13	1.39E-16	3.36E-15	1.86E-16	3.68682E-15	3.81E-10	4.5856E-08	1.21943E-08	1.20243E-13	5.62737E-16	6.00171E-14	9.36266E-17
552	571510.6	4178599	0.55, 41785	0.47218	0.48877	0.48576	120.07824	45.51387	145.12306	16.38718	8.49605	19.65912	3.41E-10	4.44E-08	1.17E-08	1.05E-13	3.17E-13	2.51E-13	1.24E-16	3.01E-15	1.66E-16	3.29688E-15	3.407E-10	4.4357E-08	1.17222E-08	1.07525E-13	5.03219E-16	5.36693E-14	8.37242E-17
553	571550.6	4178599	0.55, 41785	0.42043	0.43954	0.43052	119.99429	43.92883	151.34582	16.43506	7.56489	20.5622	3.06E-10	4.4E-08	1.18E-08	9.43E-14	2.85E-13	2.25E-13	1.12E-16	2.7E-15	1.49E-16	2.95746E-15	3.056E-10	4.3956E-08	1.18229E-08	9.64555E-14	4.51412E-16	4.8144E-14	7.51046E-17
554	571590.6	4178599	0.55, 41785	0.37632	0.39688	0.38556	100.33698	42.40478	116.86516	13.86046	7.00095	16.11187	2.75E-10	3.92E-08	9.87E-09	8.5E-14	2.57E-13	2.03E-13	1.01E-16	2.43E-15	1.34E-16	2.666E-15	2.755E-10	3.916E-08	9.87424E-09	8.69496E-14	4.06924E-16	4.33993E-14	6.77029E-17
555	570310.6	4178639	0.55, 41786	0.10356	0.08559	0.09711	83.92303	29.66661	96.15389	10.49038	3.70833	12.01924	6.19E-11	2.94E-08	7.46E-09	1.91E-14	5.77E-14	4.56E-14	2.26E-17	5.46E-16	3.02E-17	5.99186E-16	6.192E-11	2.9391E-08	7.45962E-09	1.9542E-14	9.14566E-17	9.75404E-15	1.52163E-17
556	570350.6	4178639	0.55, 41786	0.1161	0.09716	0.10841	92.63397	32.60646	103.61771	11.57925	4.08084	12.95221	7.01E-11	3.22E-08	8.21E-09	2.16E-14	6.53E-14	5.16E-14	2.56E-17	6.18E-16	3.41E-17	6.77906E-16	7.005E-11	3.2166E-08	8.20919E-09	2.21094E-14	1.03472E-16	1.10355E-14	1.72154E-17
557	570390.6	4178639	0.55, 41786	0.13068	0.11086	0.1215	100.54346	34.97331	116.66288	12.56793	4.70976	14.58286	7.96E-11	3.5E-08	8.95E-09	2.46E-14	7.42E-14	5.86E-14	2.91E-17	7.03E-16	3.88E-17	7.70735E-16	7.964E-11	3.5009E-08	8.95135E-09	2.5137E-14	1.17641E-16	1.25467E-14	1.95728E-17
558	570430.6	4178639	0.55, 41786	0.14929	0.12834	0.13819	107.49924	37.52244	130.89362	13.4374	5.36035	16.3617	9.19E-11	3.8E-08	9.63E-09	2.84E-14	8.56E-14	6.76E-14	3.36E-17	8.11E-16	4.48E-17	8.89171E-16	9.188E-11	3.7988E-08	9.63112E-09	2.89997E-14	1.35718E-16	1.44747E-14	2.25805E-17
559	570470.6	4178639	0.55, 41786	0.17443	0.15183	0.16061	116.62505	42.4162	145.19757	14.57813	6.05946	18.1497	1.08E-10	4.24E-08	1.05E-08	3.34E-14	1.01E-13	7.97E-14	3.96E-17	9.56E-16	5.28E-17	1.0484E-15	1.083E-10	4.2417E-08	1.04801E-08	3.41929E-14	1.60023E-16	1.70668E-14	2.66242E-17
560	570510.6	4178639	0.55, 41786	0.20768	0.18277	0.19013	127.00459	48.18252	156.06863	15.87557	6.71257	19.50858	1.3E-10	4.71E-08	1.14E-08	4.01E-14	1.21E-13	9.57E-14	4.75E-17	1.15E-15	6.33E-17	1.25821E-15	1.3E-10	4.7142E-08	1.13926E-08	4.10356E-14	1.92047E-16	2.04822E-14	3.19522E-17
561	570550.6	4178639	0.55, 41786	0.2504	0.22269	0.22841	148.76746	59.99627	172.72318	18.59593	7.58374	21.5904	1.58E-10	5.64E-08	1.32E-08	4.88E-14	1.47E-13	1.16E-13	5.77E-17	1.39E-15	7.7E-17	1.52895E-15	1.58E-10	5.6413E-08	1.32457E-08	4.98655E-14	2.33371E-16	2.48895E-14	3.88276E-17
562	570590.6	4178639	0.55, 41786	0.30521	0.27478	0.27907	162.38276	69.4472	222.88998	20.29784	10.74133	27.86125	1.94E-10	6.65E-08	1.48E-08	6E-14	1.81E-13	1.43E-13	7.11E-17	1.72E-15	9.47E-17	1.8822E-15	1.945E-10	6.6487E-08	1.47955E-08	6.13864E-14	2.87289E-16	3.06399E-14	4.77983E-17
563	570630.6	4178639	0.55, 41786	0.37839	0.34592	0.35098	177.15033	78.68271	266.26636	23.7109	14.16715	33.28329	2.44E-10	7.6E-08	1.73E-08	7.54E-14	2.28E-13	1.8E-13	8.93E-17	2.16E-15	1.19E-16	2.36568E-15	2.445E-10	7.5979E-08	1.73412E-08	7.7155E-14	3.61085E-16	3.85105E-14	6.00764E-17

564	570670.6	4178639	0.55, 41786	0.47152	0.44129	0.44999	194.04584	86.02037	313.51443	27.72083	17.24466	39.1893	3.11E-10	8.48E-08	2.03E-08	9.61E-14	2.9E-13	2.29E-13	1.14E-16	2.75E-15	1.52E-16	3.0128E-15	3.113E-10	8.4849E-08	2.02957E-08	9.82602E-14	4.59858E-16	4.90448E-14	7.65099E-17
565	570710.6	4178639	0.55, 41786	0.59058	0.57043	0.57865	207.44684	93.90742	372.29223	29.63526	21.88085	53.1846	4.01E-10	9.47E-08	2.26E-08	1.24E-13	3.74E-13	2.95E-13	1.47E-16	3.54E-15	1.95E-16	3.88065E-15	4.01E-10	9.4712E-08	2.25844E-08	1.26565E-13	5.92323E-16	6.31725E-14	9.85491E-17
566	570750.6	4178639	0.55, 41786	0.7421	0.74424	0.7234	219.27007	107.04803	379.32522	31.3243	27.05481	52.15596	5.19E-10	1.03E-07	2.36E-08	1.6E-13	4.83E-13	3.82E-13	1.9E-16	4.58E-15	2.53E-16	5.02179E-15	5.189E-10	1.0334E-07	2.35526E-08	1.63782E-13	7.66501E-16	8.17489E-14	1.27528E-16
567	570790.6	4178639	0.55, 41786	0.94425	0.97087	0.85006	237.37937	117.94026	412.19598	33.01145	30.70173	55.76703	6.68E-10	1.13E-07	2.49E-08	2.06E-13	6.22E-13	4.92E-13	2.44E-16	5.9E-15	3.25E-16	6.46531E-15	6.681E-10	1.1314E-07	2.48841E-08	2.10861E-13	9.86831E-16	1.05248E-13	1.64186E-16
568	570830.6	4178639	0.55, 41786	1.23329	1.33292	0.96284	295.25944	130.22679	473.13116	42.69044	39.99654	61.26658	8.97E-10	1.28E-07	3.13E-08	2.77E-13	8.36E-13	6.6E-13	3.28E-16	7.92E-15	4.37E-16	8.68264E-15	8.972E-10	1.2843E-07	3.13275E-08	2.83178E-13	1.32527E-15	1.41343E-13	2.20495E-16
569	570870.6	4178639	0.55, 41786	1.50989	1.73214	1.20169	317.24906	188.19869	615.93486	58.25942	53.82297	76.99186	1.16E-09	1.73E-07	4.22E-08	3.57E-13	1.08E-12	8.51E-13	4.22E-16	1.02E-14	5.63E-16	1.11891E-14	1.156E-09	1.7339E-07	4.22325E-08	3.64923E-13	1.70784E-15	1.82145E-13	2.84146E-16
570	570910.6	4178639	0.55, 41786	1.78259	1.99297	1.30656	332.58479	179.86407	638.76492	63.94152	52.98497	79.84561	1.33E-09	1.71E-07	4.6E-08	4.1E-13	1.24E-12	9.77E-13	4.85E-16	1.17E-14	6.47E-16	1.28437E-14	1.327E-09	1.715E-07	4.59857E-08	4.18887E-13	1.96039E-15	2.0908E-13	3.26165E-16
571	570950.6	4178639	0.55, 41786	1.86524	1.94862	1.2876	326.77204	147.92341	425.10208	57.64661	41.4452	82.66786	1.31E-09	1.37E-07	4.23E-08	4.03E-13	1.22E-12	9.61E-13	4.77E-16	1.15E-14	6.36E-16	1.264E-14	1.306E-09	1.3651E-07	4.22979E-08	4.12243E-13	1.9293E-15	2.05764E-13	3.20991E-16
572	570990.6	4178639	0.55, 41786	1.76592	1.78245	1.25006	311.73236	122.31574	573.48464	43.80696	33.57582	91.70195	1.2E-09	1.33E-07	3.44E-08	3.72E-13	1.12E-12	8.86E-13	4.4E-16	1.06E-14	5.87E-16	1.16534E-14	1.204E-09	1.3293E-07	3.44124E-08	3.80066E-13	1.77871E-15	1.89703E-13	2.95937E-16
573	571030.6	4178639	0.55, 41786	1.5977	1.58915	1.17717	263.38378	106.70114	334.97263	40.88022	26.80487	57.79917	1.08E-09	1.02E-07	2.99E-08	3.33E-13	1.01E-12	7.95E-13	3.95E-16	9.53E-15	5.26E-16	1.04514E-14	1.08E-09	1.0244E-07	2.99308E-08	3.40865E-13	1.59525E-15	1.70137E-13	2.65413E-16
574	571070.6	4178639	0.55, 41786	1.42629	1.41473	1.18099	323.91584	92.06505	516.79706	44.84431	24.93328	64.76299	9.72E-10	1.12E-07	3.29E-08	3E-13	9.06E-13	7.15E-13	3.55E-16	8.58E-15	4.74E-16	9.40785E-15	9.722E-10	1.1236E-07	3.294E-08	3.0683E-13	1.43597E-15	1.53149E-13	2.38912E-16
575	571110.6	4178639	0.55, 41786	1.27265	1.25146	1.07066	231.49813	85.11921	353.08688	34.4516	22.95032	48.16161	8.63E-10	8.98E-08	2.52E-08	2.66E-13	8.04E-13	6.35E-13	3.15E-16	7.61E-15	4.2E-16	8.34853E-15	8.627E-10	8.981E-08	2.5181E-08	2.72281E-13	1.27428E-15	1.35904E-13	2.12011E-16
576	571150.6	4178639	0.55, 41786	1.10067	1.1079	0.9372	235.36335	78.49538	345.02109	33.92291	20.75102	48.66179	7.61E-10	8.57E-08	2.49E-08	2.35E-13	7.09E-13	5.6E-13	2.78E-16	6.72E-15	3.71E-16	7.36694E-15	7.613E-10	8.5721E-08	2.48919E-08	2.40267E-13	1.12445E-15	1.19925E-13	1.87083E-16
577	571190.6	4178639	0.55, 41786	0.96404	0.98605	0.85109	150.10185	73.9658	197.92558	22.00887	18.66835	28.93746	6.78E-10	6.63E-08	1.59E-08	2.09E-13	6.32E-13	4.99E-13	2.48E-16	5.98E-15	3.3E-16	6.56013E-15	6.779E-10	6.6275E-08	1.59427E-08	2.13954E-13	1.0013E-15	1.06791E-13	1.66594E-16
578	571230.6	4178639	0.55, 41786	0.85847	0.87787	0.78438	130.71922	65.23747	181.52397	20.98447	16.26127	28.21366	6.06E-10	5.89E-08	1.52E-08	1.87E-13	5.64E-13	4.46E-13	2.21E-16	5.34E-15	2.95E-16	5.86081E-15	6.056E-10	5.8896E-08	1.52496E-08	1.91146E-13	8.94563E-16	9.54071E-14	1.48835E-16
579	571270.6	4178639	0.55, 41786	0.76521	0.78388	0.72231	147.71702	61.52416	210.17535	22.46264	14.29709	35.02922	5.42E-10	6.01E-08	1.67E-08	1.67E-13	5.05E-13	3.99E-13	1.98E-16	4.79E-15	2.64E-16	5.24916E-15	5.424E-10	6.0143E-08	1.67032E-08	1.71197E-13	8.01204E-16	8.54501E-14	1.33302E-16
580	571310.6	4178639	0.55, 41786	0.67814	0.70066	0.65218	136.41117	59.8434	199.34802	17.34958	13.40052	24.9185	4.85E-10	5.76E-08	1.27E-08	1.5E-13	4.52E-13	3.57E-13	1.77E-16	4.28E-15	2.36E-16	4.69332E-15	4.85E-10	5.7643E-08	1.27332E-08	1.53069E-13	7.16364E-16	7.64017E-14	1.19187E-16
581	571350.6	4178639	0.55, 41786	0.60279	0.6273	0.58324	124.67819	56.4143	162.56927	15.58477	12.33978	20.32116	4.34E-10	5.21E-08	1.13E-08	1.34E-13	4.04E-13	3.19E-13	1.59E-16	3.83E-15	2.11E-16	4.19878E-15	4.339E-10	5.2102E-08	1.12759E-08	1.3694E-13	6.4088E-16	6.83512E-14	1.06628E-16
582	571390.6	4178639	0.55, 41786	0.54567	0.56561	0.53406	134.64293	53.30447	146.45838	19.4501	11.04071	20.47738	3.92E-10	4.97E-08	1.37E-08	1.21E-13	3.65E-13	2.88E-13	1.43E-16	3.46E-15	1.91E-16	3.79339E-15	3.92E-10	4.9726E-08	1.36888E-08	1.23719E-13	5.79004E-16	6.1752E-14	9.63331E-17
583	571430.6	4178639	0.55, 41786	0.50035	0.51255	0.49968	147.79016	50.85435	197.85336	20.77571	9.97795	26.64502	3.57E-10	5.32E-08	1.5E-08	1.1E-13	3.32E-13	2.63E-13	1.3E-16	3.15E-15	1.74E-16	3.45306E-15	3.568E-10	5.3223E-08	1.49967E-08	1.12619E-13	5.27057E-16	5.62117E-14	8.76903E-17
584	571470.6	4178639	0.55, 41786	0.45884	0.46513	0.46599	118.76181	47.03177	145.5886	16.94782	8.9119	19.9832	3.25E-10	4.52E-08	1.21E-08	1E-13	3.03E-13	2.39E-13	1.19E-16	2.87E-15	1.58E-16	3.14603E-15	3.251E-10	4.5158E-08	1.20959E-08	1.02606E-13	4.80194E-16	5.12137E-14	7.98934E-17
585	571510.6	4178639	0.55, 41786	0.41516	0.4204	0.42431	105.04191	43.02213	132.76114	15.00599	7.61313	18.96588	2.94E-10	4.1E-08	1.08E-08	9.08E-14	2.74E-13	2.16E-13	1.07E-16	2.6E-15	1.43E-16	2.84614E-15	2.941E-10	4.105E-08	1.08099E-08	9.28248E-14	4.3442E-16	4.63318E-14	7.22777E-17
586	571550.6	4178639	0.55, 41786	0.37489	0.38245	0.3824	101.59712	41.64808	125.74417	13.25702	7.0054	15.71802	2.67E-10	3.95E-08	9.47E-09	8.24E-14	2.49E-13	1.97E-13	9.76E-17	2.36E-15	1.3E-16	2.58477E-15	2.671E-10	3.9515E-08	9.46851E-09	8.43006E-14	3.94527E-16	4.20771E-14	6.56403E-17
587	571590.6	4178639	0.55, 41786	0.33863	0.34937	0.34405	106.83121	40.48294	130.44071	14.45913	6.53587	17.55635	2.43E-10	3.96E-08	1.04E-08	7.51E-14	2.27E-13	1.79E-13	8.89E-17	2.15E-15	1.19E-16	2.35486E-15	2.433E-10	3.9563E-08	1.03595E-08	7.68021E-14	3.59434E-16	3.83344E-14	5.98017E-17
588	570310.6	4178679	0.55, 41786	0.10291	0.0869	0.09701	88.39628	30.98258	103.31105	11.04953	4.21243	12.91388	6.26E-11	3.1E-08	7.88E-09	1.93E-14	5.83E-14	4.61E-14	2.29E-17	5.52E-16	3.05E-17	6.05791E-16	6.26E-11	3.0969E-08	7.87718E-09	1.97574E-14	9.24648E-17	9.86156E-15	1.5384E-17
589	570350.6	4178679	0.55, 41786	0.11574	0.09888	0.10892	93.23081	33.32166	112.3331	11.65385	4.76024	14.04164	7.1E-11	3.33E-08	8.34E-09	2.19E-14	6.62E-14	5.23E-14	2.59E-17	6.27E-16	3.46E-17	6.87366E-16	7.103E-11	3.3287E-08	8.34112E-09	2.2418E-14	1.04916E-16	1.11895E-14	1.74556E-17
590	570390.6	4178679	0.55, 41786	0.13137	0.11361	0.12342	99.39798	36.831	119.21549	12.42475	5.26157	14.90194	8.14E-11	3.62E-08	8.89E-09	2.51E-14	7.58E-14	5.99E-14	2.97E-17	7.18E-16	3.96E-17	7.8747E-16	8.137E-11	3.6175E-08	8.8875E-09	2.56828E-14	1.20195E-16	1.28191E-14	1.99978E-17
591	570430.6	4178679	0.55, 41786	0.15074	0.13191	0.14135	105.99103	39.73692	126.723	13.24888	5.6767	15.84037	9.42E-11	3.88E-08	9.47E-09	2.91E-14	8.78E-14	6.93E-14	3.44E-17	8.31E-16	4.59E-17	9.11741E-16	9.421E-11	3.8801E-08	9.47307E-09	2.97358E-14	1.39163E-16	1.48421E-14	2.31536E-17
592	570470.6	4178679	0.55, 41786	0.17494	0.15487	0.16378	121.69462	47.75873	135.7735	15.21183	5.96984	16.97169	1.1E-10	4.5E-08	1.08E-08	3.4E-14	1.03E-13	8.12E-14	4.03E-17	9.74E-16	5.37E-17	1.06754E-15	1.103E-10	4.4977E-08	1.07811E-08	3.48172E-14	1.62945E-16	1.73784E-14	2.71103E-17
593	570510.6	4178679	0.55, 41786	0.2057	0.18414	0.19253	135.37794	56.46386	170.3708	16.92224	7.12807	21.29635	1.31E-10	5.34E-08	1.22E-08	4.04E-14	1.22E-13	9.63E-14	4.78E-17	1.15E-15	6.37E-17	1.26623E-15	1.308E-10	5.3415E-08	1.21832E-08	4.12972E-14	1.93271E-16	2.06128E-14	3.21559E-17
594	570550.6	4178679	0.55, 41786	0.2434	0.22078	0.22908	142.10791	62.60325	200.29273	17.76349	9.55219	25.03659	1.57E-10	5.96E-08	1.3E-08	4.83E-14	1.46E-13	1.15E-13	5.72E-17	1.38E-15	7.63E-17	1.51488E-15	1.565E-10	5.9616E-08	1.29995E-08	4.94068E-14	2.31224E-16	2.46605E-14	3.84704E-17
595	570590.6	4178679	0.55, 41786	0.29132	0.2684	0.27784	157.44437	70.02377	210.9671	21.20731	12.01595	26.37089	1.9E-10	6.56E-08	1.52E-08	5.86E-14	1.77E-13	1.4E-13	6.94E-17	1.68E-15	9.25E-17	1.83835E-15	1.9E-10	6.5561E-08	1.52432E-08	5.99563E-14	2.80596E-16	2.99261E-14	4.66848E-17
596	570630.6	4178679	0.55, 41786	0.34871	0.32823	0.33909	170.78411	74.6949	263.98396	24.39773	14.09383	33.40233	2.32E-10	7.32E-08	1.78E-08	7.15E-14	2.16E-13	1.71E-13	8.47E-17	2.05E-15	1.13E-16	2.24303E-15	2.318E-10	7.3173E-08	1.77772E-08	7.31547E-14	3.42364E-16	3.65138E-14	5.69616E-17
597	570670.6	4178679	0.55, 41786	0.41782	0.40379	0.41108	181.29369	80.27499	295.25985	25.8991	15.99045	42.12286	2.84E-10	7.94E-08	1.94E-08	8.76E-14	2.65E-13	2.09E-13	1.04E-16	2.51E-15	1.38E-16	2.74797E-15	2.84E-10	7.9406E-08	1.93948E-08	8.96232E-14	4.19437E-16	4.47338E-14	6.97847E-17
598	570710.6	4178679	0.55, 41786	0.49876	0.49687	0.48618	185.88712	90.92914	287.65142	26.5553	19.21501	39.31628	3.47E-10	8.5E-08	1.96E-08	1.07E-13	3.23E-13	2.55E-13	1.27E-16	3.06E-15	1.69E-16	3.35712E-15	3.469E-10	8.5044E-08	1.95818E-08	1.0949E-13	5.12414E-16	5.465E-14	8.52541E-17
599	570750.6	4178679	0.55, 41786	0.59336	0.60818	0.55751	195.07014	97.11431	330.72411	27.40212	20.89244	45.57898	4.21E-10	9.25E-08	2.06E-08	1.3E-13	3.92E-13	3.1E-13	1.54E-16	3.71E-15	2.05E-16	4.07019E-15	4.206E-10	9.2458E-08	2.05999E-08	1.32746E-13	6.21253E-16	6.6258E-14	1.03362E-16
600	570790.6	4178679	0.55, 41786	0.71288	0.74367	0.61675	232.56486	100.08812	327.08033	29.70634	25.09865	40.88504	5.08E-10	9.62E-08	2.17E-08	1.57E-13	4.74E-13	3.74E-13	1.86E-16	4.49E-15	2.48E-16	4.91985E-15	5.084E-10	9.6189E-08	2.16621E-08	1.60457E-13	7.5094E-16	8.00893E-14	1.24939E-16
601	570830.6	4178679	0.55, 41786	0.82835	0.8948	0.66469	250.25968	113.32691	367.70207	36.36599	33.16876	46.21837	6.04E-10	1.08E-07	2.62E-08	1.86E-13	5.63E-13	4.44E-13	2.21E-16	5.33E-15	2.94E-16	5.84293E-15	6.038E-10	1.0788E-07	2.62172E-08	1.90563E-13	8.91834E-16	9.5116E-14	1.48381E-16
602	570870.6	4178679	0.55, 41786	0.92801	1.04065	0.83445	269.45277	158.88347	492.55659	39.41339	35.15016	62.53118	7.05E-10	1.44E-07	2.94E-08	2.17E-13	6.57E-13	5.19E-13	2.57E-16	6.22E-15	3.43E-16	6.8205E-15	7.048E-10	1.4433E-07	2.93917E-08	2.22446E-13	1.04105E-15	1.1103E-13	1.73206E-16
603	570910.6	4178679	0.55, 41786	1.03394	1.13081	0.83809	259.70616	144.94226	471.11442	42.20689	35.5523	58.8893	7.62E-10	1.34E-07	3.08E-08	2.35E-13	7.1E-13	5.61E-13	2.78E-16	6.73E-15	3.71E-16	7.37474E-15	7.621E-10	1.3425E-07	3.08404E-08	2.40522E-13	1.12564E-15	1.20052E-13	1.87281E-16
604	570950.6	4178679	0.55, 41786	1.05684	1.13643	0.82319	242.80014	123.49716	418.67106	39.92153	30.15323	58.18912	7.65E-10	1.17E-07	2.94E-08	2.36E-13	7.13E-13	5.63E-13	2.8E-16	6.76E-15	3.73E-16	7.4077E-15	7.655E-10	1.171E-07	2.93661E-08	2.41597E-13	1.13067E-15	1.20589E-13	1.88118E-16
605	570990.6	4178679	0.55, 41786	1.01802	1.09421	0.82722	255.86386	105.93706	407.98363	37.15781	26.85338	67.99727	7.4E-10	1.07E-07	2.84E-08	2.28E-13	6.89E-13	5.44E-13	2.7E-16	6.53E-15	3.6E-16	7.15908E-15	7.398E-10	1.0728E-07	2.84203E-08	2.33488E-13	1.09273E-15	1.16541E-13	1.81805E-16
606	571030.6	4178679	0.55, 41786	0.98373	1.03259	0.8073	224.24787	96.85684	406.17161	32.03518	21.71644	50.77145	7.02E-10	1E-07	2.39E-08	2.17E-13	6.54E-13	5.16E-13	2.56E-16	6.19E-15	3.42E-16	6.79021E-15	7.017E-10	1.0008E-07	2.38853E-08	2.21458E-13	1.03642E-15	1.10537E-13	1.72437E-16
607	571070.6	4178679	0.55, 41786	0.92088	0.95493	0.77727	234.21131	81.25508	306.97474	29.84103	18.74017	38.37184	6.52E-10	8.42E-08	2.15E-08	2.01E-13	6.07E-13	4.8E-13	2.38E-16	5.75E-15	3.18E-16	6.30964E-15	6.52E-10	8.42E-08	2.15483E-08	2.05784E-13	9.6307E-16	1.02713E-13	1.60233E-16
608	571110.6	4178679	0.55, 41786	0.85296	0.87816	0.75636	249.82687	76.90023	376.11255	32.83771	18.41049	47.06858	6.03E-10	8.82E-08	2.41E-08	1.86E-13	5.62E-13	4.44E-13	2.2E-16	5.32E-15	2.94E-16	5.83772E-15	6.032E-10	8.8183E-08	2.40928E-08	1.90393E-13	8.91039E-16	9.50312E-14	1.48249E-16
609	571150.6	4178679	0.55, 41786	0.78449	0.80428	0.7091	184.12399	71.8753	265.86204	26.94504	17.68151	37.98029	5.54E-10	7.26E-08	1.97E-08	1.71E-13	5.16E-13	4.08E-13	2.02E-16	4.89E-15	2.7E-16	5.36104E-15	5.54E-10	7.2585E-08	1.97189E-08	1.74846E-13	8.18281E-16	8.72714E-14	1.36143E-16
610	571190.6	4178679	0.55, 41786	0.70872	0.73542	0.64227	192.12547	69.23049	267.93218	27.25383	16.04767	37.1098	5.06E-10	7.18E-08	1.98E-08	1.56E-13	4.71E-13	3.72E-13	1.85E-16	4.46E-15	2.46E-16	4.89215E-15	5.055E-10	7.1774E-08	1.98423E-08	1.59554E-13	7.46713E-16	7.96385E-14	1.24236E-16
611	571230.6	4178679	0.55, 41786	0.64141	0.6715	0.58509	152.95792	62.82263	210.7281	21.78847	14.44714	29.62503	4.61E-10	6.12E-08	1.59E-08	1.42E-13	4.3E-13	3.39E-13	1.68E-16	4.07E-15	2.25E-16	4.46244E-15	4.611E-10	6.1241E-08	1.58598E-08	1.45539E-13	6.81124E-16	7.26433E-14	1.13324E-16
612	571270.6	4178679	0.55, 41786	0.5854	0.61191	0.54631	124.65244	57.66905	171.62004	20.54509	12.75642	28.60334	4.21E-10	5.35E-08	1.5E-08	1.3E-13	3.93E-13	3.1E-13	1.54E-16	3.72E-15	2.05E-16	4.07698E-15	4.213E-10	5.3512E-08	1.50073E-08	1.32968E-13	6.2229E-16	6.63685E-14	1.03535E-16
613	571310.6	4178679	0.55, 41786	0.53447	0.5582	0.50849	125.80787	55.1913	171.33448	17.97255	11.70277	24.47635	3.85E-10	5.22E-08	1.31E-08	1.19E-13	3.59E-13	2.83E-13	1.41E-16	3.4E-15	1.88E-16	3.72711E-15	3.851E-10	5.2179E-08	1.30853E-08	1.21557E-13	5.68887E-16	6.0673E-14	9.46498E-17
614	571350.6	4178679	0.55, 41786	0.48504	0.50906	0.46427	111.39997	53.56601	157.83086	13.925	11.19981	19.72886	3.51E-10	4.93E-08	1.02E-08	1.08E-13	3.27E-13	2.58E-13	1.28E-16	3.1E-15	1.71E-16	3.39797E-15	3.511E-10	4.9305E-08	1.01985E-08	1.10822E-13	5.18648E-16	5.53149E-14	8.62913E-17
615	571390.6	4178679	0.55, 41786	0.44312	0.4655	0.42576	107.51836	51.27371	117.14548	13.43979	10.40254	14.64318	3.21E-10	4.46E-08	9.5E-09	9.91E-14	2.99E-13	2.36E-13	1.17E-16	2.83E-15	1.56E-16	3.10788E-15	3.212E-10	4.4585E-08	9.49757E-09	1.01361E-13	4.7437E-16	5.05926E-14	7.89245E-17
616	571430.6	4178679	0.55, 41786	0.41031	0.42684	0.39928	122.12368	48.88835	136.65658	17.23844	9.36082	18.91196	2.95E-10	4.57E-08	1.22E-08	9.12E-14	2.75E-13	2.17E-13	1.08E-16	2.61E-15	1.44E-16	2.85895E-15	2.954E-10	4.5704E-08	1.21922E-08	9.32425E-14	4.36375E-16	4.65403E-14	7.26029E-17
617	571470.6	4178679	0.55, 41786	0.38401	0.39267	0.38101	130.83453	46.56818	169.29762	18.03085	8.50414	22.62935	2.73E-10	4.75E-08	1.3E-08	8.43E-14	2.55E-13	2.01E-13	9.98E-17	2.41E-15	1.33E-16	2.64447E-15	2.733E-10	4.7521E-08	1.29764E-08	8.62476E-14	4.03639E-16	4.30489E-14	6.71563E-17
618	571510.6	4178679	0.55, 41786	0.35733	0.36026	0.36021	104.69184	43.30646	125.50481	14.57371	7.68103	16.95061	2.52E-10	4.06E-08	1.04E-08	7.77E-14	2.35E-13	1.85E-13	9.2E-17	2.22E-15	1.23E-16	2.43735E-15	2.519E-10	4.0616E-08	1.03831E-08	7.94925E-14	3.72025E-16	3.96772E-14	6.18965E-17
619	571550.6	4178679	0.55, 41786	0.32923	0.33046	0.33426	93.91251	40.06683	115.0705	13.41607	6.60436	16.43864	2.31E-10	3.73E-08	9.62E-09	7.14E-14	2.16E-13	1.7E-13	8.45E-17	2.04E-15	1.13E-16	2.23955E-15	2.314E-10	3.731E-08	9.62392E-09	7.30413E-14	3.41833E-16	3.64573E-14	5.68733E-17
620	571590.6	4178679	0.55, 41786	0.30119	0.30402	0.3057	90.51235	37.8645	108.48539	11.49242	5.95997	13.56067	2.13E-10	3.53E-08	8.2E-09	6.56E-14	1.98E-13	1.57E-13	7.77E-17	1.88E-15	1.04E-16	2.05795E-15	2.127E-10	3.535E-08	8.20307E-09	6.71186E-14	3.14115E-16	3.3501E-14	5.22616E-17
621	570310.6	4178719	0.55, 41787	0.10285	0.08839	0.09803	86.08959	31.99227	98.88317	10.7612	4.57032	12.3604	6.35E-11	3.1E-08	7.65E-09	1.96E-14	5.92E-14	4.67E-14	2.32E-17	5.6E-16	3.09E-17	6.14579E-16	6.351E-11	3.104E-08	7.65462E-09	2.0044E-14	9.38061E-17	1.00046E-14	1.56072E-17
622	570350.6	4178719	0.55, 41787	0.11563	0.10049	0.11012	90.6137	34.18211	105.82439	11.32671	4.88316	13.22805	7.2E-11	3.31E-08	8.07E-09	2.22E-14	6.71E-14	5.3E-14	2.63E-17	6.36E-16	3.51E-17	6.96909E-16	7.202E-11	3.3092E-08	8.07402E-09	2.27292E-14	1.06373E-16	1.13449E-14	1.7698E-17
623	570390.6	4178719	0.55, 41787	0.13114	0.11521	0.12472	102.01088	38.97546	110.90458	12.75136	5.08393	13.86307	8.24E-11	3.69E-08	9.01E-09	2.54E-14	7.67E-14	6.06E-14	3.01E-17	7.27E-16	4.01E-17	7.96961E-16	8.235E-11	3.6883E-08	9.00871E-09	2.59923E-14	1.21644E-16	1.29736E-14	2.02388E-17
624	570430.6	4178719	0.55, 41787	0.15	0.13322	0.1425	114.28488	46.41789	135.81295	14.28561	5.80224	16.97662	9.5E-11	4.38E-08	1.02E-08	2.93E-14	8.85E-14	6.99E-14	3.47E-17	8.38E-16	4.63E-17	9.19242E-16	9.499E-11	4.3766E-08	1.02062E-08	2.99804E-14	1.40308E-16	1.49642E-14	2.33441E-17
625	570470.6	4178719	0.55, 41787	0.17288	0.1553	0.16447	122.16306	52.59309	158.80652	15.27038	6.67803	19.85082	1.1E-10	4.95E-08	1.1E-08	3.41E-14	1.03E-13	8.13E-14	4.04E-17	9.75E-16	5.38E-17	1.06914E-15	1.105E-10	4.9515E-08	1.10437E-08	3.48692E-14	1.63188E-16	1.74043E-14	2.71508E-17
626	570510.6	4178719	0.55, 41787	0.1999	0.18201	0.19124	126.87173	56.8638	170.00598	15.85897	8.56143	21.25075	1.29E-10	5.31E-08	1.15E-08	3.99E-14	1.2E-13	9.51E-14	4.72E-17	1.14E-15	6.29E-17	1.25022E-15	1.292E-10	5.3075E-08	1.15192E-08	4.07749E-14	1.90826E-16	2.0352E-14	3.17492E-17
627	570550.6	4178719	0.55, 41787	0.2328	0.21534	0.22528	141.7684	62.68438	190.3461	19.27806	10.36338	23.79326	1.53E-10	5.89E-08	1.38E-08	4.71E-14	1.42E-13	1.12E-13	5.57E-17	1.35E-15	7.43E-17	1.47616E-15	1.525E-10	5.8859E-08	1.38425E-08	4.81438E-14	2.25313E-16	2.40301E-14	3.7487E-17
628	570590.6	4178719	0.55, 41787	0.2704	0.25529	0.2651	152.6333	65.86327	220.26265	21.80476	11.76563	29.62209	1.8E-10	6.37E-08	1.59E-08	5.56E-14	1.68E-13	1.33E-13	6.59E-17	1.59E-15	8.78E-17	1.74511E-15	1.803E-10	6.3667E-08	1.58697E-08	5.69157E-14	2.66365E-16	2.84084E-14	4.43171E-17
629	570630.6	4178719	0.55, 41787	0.31352	0.30328	0.30884	160.25221	70.5161	243.59554	22.89317	12.52474	34.32359	2.13E-10	6.86E-08	1.69E-08	6.58E-14	1.99E-13	1.57E-13	7.79E-17	1.88E-15	1.04E-16	2.06384E-15	2.133E-10	6.8576E-08	1.69151E-08	6.73107E-14	3.15014E-16	3.35969E-14	5.24112E-17
630	570670.6	4178719	0.55, 41787	0.36149	0.3594	0.35242	159.13882	79.23774	228.99362	22.73412	14.05012	31.24302	2.51E-10	7.22E-08	1.66E-08	7.75E-14	2.34E-13	1.85E-13	9.17E-17	2.22E-15	1.22E-16	2.42931E-15	2.51E-10	7.2227E-08	1.65743E-08	7.92303E-14	3.70798E-16	3.95464E-14	6.16923E-17
631	570710.6	4178719	0.55, 41787	0.41184	0.42167	0.39325	168.39934	82.78202	268.08178	23.84947	15.22445	37.49142	2.92E-10	7.79E-08	1.78E-08	9.02E-14	2.72E-13	2.15E-13	1.07E-16	2.58E-15	1.42E-16	2.82736E-15	2.922E-10	7.7859E-08	1.7758E-08	9.22124E-14	4.31554E-16	4.60262E-14	7.18008E-17
632	570750.6	4178719	0.55, 41787	0.46631	0.48852	0.43046	193.26616	81.97611	266.60906	24.83922	16.78199	33.32613	3.36E-10	7.89E-08	1.8E-08	1.04E-13	3.13E-13	2.47E-13	1.23E-16	2.96E-15	1.64E-16	3.24991E-15	3.358E-10	7.8857E-08	1.80454E-08	1.05993E-13	4.96049E-16	5.29047E-14	8.25314E-17
633	570790.6	4178719	0.55, 41787	0.5297	0.5627	0.45402	208.56721	92.88706	267.98327	26.09236	23.00092	33.50993	3.83E-10	8.6E-08	1.88E-08	1.18E-13	3.57E-13	2.82E-13	1.4E-16	3.38E-15	1.87E-16	3.7071E-15	3.831E-10	8.6017E-08	1.88381E-08	1.20904E-13	5.65832E-16	6.03472E-14	9.41416E-17
634	570830.6	4178719	0.55, 41787	0.58417	0.63922	0.49731	206.25232	102.59816	258.13483	28.9378	25.69667	32.26685	4.33E-10	9.05E-08	2.05E-08	1.33E-13	4.03E-13	3.18E-13	1.58E-16	3.82E-15	2.11E-16	4.1865E-15	4.326E-10	9.0519E-08	2.05076E-08	1.3654E-13	6.39006E-16	6.81513E-14	1.06316E-16
635	570870.6	4178719	0.55, 41787	0.63384	0.71183	0.60618	208.40577	136.85909	408.7133	28.70976	24.7437	51.08916	4.85E-10	1.22E-07	2.18E-08	1.5E-13	4.52E-13	3.57E-13	1.77E-16	4.28E-15	2.36E-16	4.69173E-15	4.848E-10	1.2161E-07	2.18449E-08	1.53017E-13	7.16122E-16	7.63759E-14	1.19146E-16
636	570910.6	4178719	0.55, 41787	0.68401	0.75343	0.58123	211.07044	124.31957	366.90455	30.70854	25.49482	45.86307	5.09E-10	1.11E-07	2.27E-08	1.57E-13	4.74E-13	3.75E-13	1.86E-16	4.49E-15	2.48E-16	4.928E-15	5.092E-10	1.1149E-07	2.26757E-08	1.60723E-13	7.52184E-16	8.0222E-14	1.25146E-16
637	570950.6	4178719	0.55, 41787	0.69007	0.76497	0.57081	207.10313	108.18225	376.87466	30.79195	24.65468	47.10933	5.15E-10	1.03E-07	2.28E-08	1.59E-13	4.8E-13	3.79E-13	1.88E-16	4.55E-15	2.51E-16	4.9861E-15	5.152E-10	1.0302E-07	2.28254E-08	1.62618E-13	7.61052E-16	8.11678E-14	1.26622E-16
638	570990.6	4178719	0.55, 41787	0.68048	0.74999	0.58632	206.58356	95.47159	294.44278	32.17827	21.60129	36.80535	5.07E-10	8.94E-08	2.29E-08	1.57E-13	4.73E-13	3.74E-13	1.85E-16	4.48E-15	2.47E-16	4.91114E-15	5.075E-10	8.9414E-08	2.28768E-08	1.60173E-13	7.49611E-16	7.99476E-14	1.24718E-16
639	571030.6	4178719	0.55, 41787	0.66194	0.72353	0.59736	210.3532	86.11281	328.15995	30.372	18.42489	51.15716	4.92E-10	8.71E-08	2.29E-08	1.52E-13	4.59E-13	3.62E-13	1.8E-16	4.35E-15	2.4E-16	4.76532E-15	4.924E-10	8.7076E-08	2.28827E-08	1.55417E-13	7.27354E-16	7.75738E-14	1.21015E-16
640	571070.6	4178719	0.55, 41787	0.64029	0.68839	0.56269	181.70859	76.31707	252.84162	22.73215	15.52213	31.6052	4.69E-10	7.39E-08	1.66E-08	1.45E-13	4.37E-13	3.45E-13	1.71E-16	4.14E-15	2.28E-16	4.53597E-15	4.687E-10	7.389E-08	1.66015E-08	1.47937E-13	6.92346E-16	7.38402E-14	1.15191E-16
641	571110.6	4178719	0.55, 41787	0.60626	0.64543	0.53034	207.95149	70.27092	268.27126	26.16426	14.32632	33.53391	4.4E-10	7.34E-08	1.89E-08	1.36E-13	4.1E-13	3.24E-13	1.61E-16	3.88E-15	2.14E-16	4.2586E-15	4.401E-10	7.3377E-08	1.88846E-08	1.38891E-13	6.50011E-16	6.9325E-14	1.08147E-16
642	571150.6	4178719	0.55, 41787	0.57256	0.60327	0.52806	200.64391	66.12781	289.68563	25.68735	14.52342	36.23202	4.14E-10	7.23E-08	1.88E-08	1.28E-13	3.86E-13	3.05E-13	1.51E-16	3.66E-15	2.02E-16	4.00862E-15	4.142E-10	7.2287E-08	1.88004E-08	1.30738E-13	6.11856E-16	6.52557E-14	1.01799E-16
643	571190.6	4178719	0.55, 41787	0.53842	0.56251	0.50995	154.3512	63.9477	213.38711	22.19645	14.00077	30.48387	3.88E-10	6.22E-08	1.62E-08	1.2E-13	3.61E-13	2.85E-13	1.42E-16	3.42E-15	1.89E-16	3.7539E-15	3.879E-10	6.2165E-08	1.61807E-08	1.22431E-13	5.72976E-16	6.11092E-14	9.53303E-17
644	571230.6	4178719	0.55, 41787	0.49735	0.52247	0.4676	159.72675	60.41971	199.28282	22.34048	12.75874	27.30767	3.6E-10	5.94E-08	1.6E-08	1.11E-13	3.35E-13	2.65E-13	1.31E-16	3.17E-15	1.75E-16	3.48043E-15	3.597E-10	5.9426E-08	1.60206E-08	1.13512E-13	5.31234E-16	5.66573E-14	8.83853E-17
645	571270.6	4178719	0.55, 41787	0.45612	0.4836	0.42898	144.14128	55.22387	195.55309	20.17616	11.51496	26.9261	3.32E-10	5.53E-08	1.46E-08	1.03E-13	3.1E-13	2.45E-13	1.21E-16	2.93E-15	1.62E-16	3.21601E-15	3.323E-10	5.5252E-08	1.46464E-08	1.04888E-13	4.90875E-16	5.23528E-14	8.16704E-17
646	571310.6	4178719	0.55, 41787	0.42006	0.44717	0.39945	118.44349	52.26024	154.81704	17.97136	10.56882	25.80284	3.07E-10	4.88E-08	1.32E-08	9.49E-14	2.86E-13	2.26E-13	1.12E-16	2.71E-15	1.5E-16	2.97483E-15	3.074E-10	4.8782E-08	1.31888E-08	9.70218E-14	4.54062E-16	4.84267E-14	7.55457E-17
647	571350.6	4178719	0.55, 41787	0.38785	0.41385	0.37184	109.17018	50.24459	147.83356	14.07795	10.0186	18.4792	2.85E-10	4.65E-08	1.02E-08	8.78E-14	2.65E-13	2.09E-13	1.04E-16	2.51E-15	1.39E-16	2.75425E-15	2.846E-10	4.6525E-08	1.01953E-08	8.98278E-14	4.20394E-16	4.48359E-14	6.99441E-17
648	571390.6	4178719	0.55, 41787	0.35875	0.38356	0.34391	87.70597	48.80309	113.13015	10.96325	9.64341	14.14127	2.64E-10	4.16E-08	7.92E-09	8.14E-14	2.46E-13	1.94E-13	9.63E-17	2.33E-15	1.28E-16	2.55169E-15	2.637E-10	4.1644E-08	7.92004E-09	8.32214E-14	3.89476E-16	4.15385E-14	6.48E-17
649	571430.6	4178719	0.55, 41787	0.33385	0.35563	0.32061	80.9107	47.09106	69.47289	11.59229	8.99084	10.76512	2.45E-10	3.68E-08	8.05E-09	7.55E-14	2.28E-13	1.8E-13	8.94E-17	2.16E-15	1.19E-16	2.36795E-15	2.447E-10	3.6831E-08	8.04543E-09	7.72289E-14	3.61431E-16	3.85474E-14	6.01339E-17
650	571470.6	4178719	0.55, 41787	0.31507	0.33052	0.30587	111.40642	45.19171	126.48359	15.57659	8.16367	17.53078	2.28E-10	4.22E-08	1.11E-08	7.05E-14	2.13E-13	1.68E-13	8.34E-17	2.02E-15	1.11E-16	2.20967E-15	2.283E-10	4.2168E-08	1.10516E-08	7.20669E-14	3.37273E-16	3.59709E-14	5.61146E-17
651	571510.6	4178719	0.55, 41787	0.29891	0.30701	0.29518	116.70467	43.07153	146.87884	15.95519	7.46065	19.6972	2.13E-10	4.29E-08	1.15E-08	6.58E-14	1.99E-13	1.57E-13	7.79E-17	1.88E-15	1.04E-16	2.06472E-15	2.134E-10	4.292E-08	1.14569E-08	6.73392E-14	3.15148E-16	3.36112E-14	5.24334E-17
652	571550.6	4178719	0.55, 41787	0.28299	0.28542	0.28355	93.20798	40.2806	109.70993	12.81909	6.80365	14.78577	1.99E-10	3.7E-08	9.12E-09	6.15E-14	1.86E-13	1.47E-13	7.28E-17	1.76E-15	9.71E-17	1.92956E-15	1.994E-10	3.6964E-08	9.12328E-09	6.29313E-14	2.94518E-16	3.1411E-14	4.90012E-17
653	571590.6	4178719	0.55, 41787	0.2649	0.26495	0.26753	84.18961	37.57199	100.50298	12.02709	5.93847	14.35757	1.86E-10	3.42E-08	8.6E-09	5.73E-14	1.73E-13	1.37E-13	6.78E-17	1.64E-15	9.04E-17	1.7958E-15	1.856E-10	3.4162E-08	8.59775E-09	5.85687E-14	2.74101E-16	2.92335E-14	4.56043E-17
654	570310.6	4178759	0.55, 41787	0.10291	0.08971	0.0989	86.89901	32.22927	93.76167	10.86238	4.40505	11.72021	6.43E-11	3.08E-08	7.67E-09	1.98E-14	5.99E-14	4.73E-14	2.35E-17	5.68E-16	3.13E-17	6.22407E-16	6.432E-11	3.082E-08	7.66716E-09	2.02994E-14	9.5001E-17	1.01321E-14	1.5806E-17
655	570350.6	4178759	0.55, 41787	0.11544	0.10167	0.11074	97.89636	38.6449	111.66772	12.23704	4.83061	13.95846	7.27E-11	3.65E-08	8.7E-09	2.24E-14	6.77E-14	5.35E-14	2.66E-17	6.42E-16	3.54E-17	7.03639E-16	7.271E-11	3.65E-08	8.69678E-09	2.29487E-14	1.074E-16	1.14544E-14	1.78689E-17
656	570390.6	4178759	0.55, 41787	0.13027	0.11595	0.12485	105.67733	44.34348	129.76492	13.20967	5.54293	16.22061	8.27E-11	4.16E-08	9.48E-09	2.55E-14	7.71E-14	6.09E-14	3.02E-17	7.3E-16	4.03E-17	8.00528E-16	8.272E-11	4.1592E-08	9.4786E-09	2.61086E-14	1.22188E-16	1.30317E-14	2.03294E-17
657	570430.6	4178759	0.55, 41787	0.14773	0.133	0.14184	109.21499	48.49986	141.11126	13.65187	6.24447	17.63891	9.47E-11	4.5E-08	9.86E-09	2.92E-14	8.82E-14	6.97E-14	3.46E-17	8.35E-16	4.61E-17	9.16171E-16	9.467E-11	4.5026E-08	9.86467E-09	2.98802E-14	1.3984E-16	1.49142E-14	2.32661E-17
658	570470.6	4178759	0.55, 41787	0.16767	0.15301	0.16202	117.79795	52.53636	140.35154	14.72474	7.71399	17.54394	1.09E-10	4.78E-08	1.05E-08	3.35E-14	1.01E-13	8E-14	3.97E-17	9.59E-16	5.29E-17	1.05174E-15	1.087E-10	4.7759E-08	1.05235E-08	3.43016E-14	1.60532E-16	1.7121E-14	2.67088E-17
659	570510.6	4178759	0.55, 41787	0.191	0.17712	0.1864	128.29828	56.17436	171.94141	17.6792	9.03197	21.49268	1.26E-10	5.29E-08	1.27E-08	3.87E-14	1.17E-13	9.24E-14	4.59E-17	1.11E-15	6.11E-17	1.21471E-15	1.255E-10	5.2932E-08	1.26687E-08	3.96168E-14	1.85406E-16	1.9774E-14	3.08474E-17
660	570550.6	4178759	0.55, 41787	0.21672	0.20498	0.21341	137.63049	58.52483	184.29573	19.6615	9.95092	26.17497	1.45E-10	5.58E-08	1.43E-08	4.47E-14	1.35E-13	1.07E-13	5.29E-17	1.28E-15	7.05E-17	1.40139E-15	1.448E-10	5.5801E-08	1.42678E-08	4.57052E-14	2.139E-16	2.28129E-14	3.55882E-17
661	570590.6	4178759	0.55, 41787	0.24504	0.23724	0.24166	142.23889	62.68425	205.21483	20.31984	10.25836	28.57469	1.67E-10	6.01E-08	1.49E-08	5.15E-14	1.55E-13	1.23E-13	6.09E-17	1.47E-15	8.13E-17	1.61436E-15	1.668E-10	6.0056E-08	1.48652E-08	5.26512E-14	2.46408E-16	2.62799E-14	4.09966E-17
662	570630.6	4178759	0.55, 41787	0.27554	0.27375	0.26892	139.19636	70.02218	188.40794	19.61007	11.07526	25.7042	1.91E-10	6.26E-08	1.42E-08	5.9E-14	1.78E-13	1.41E-13	6.99E-17	1.69E-15	9.32E-17	1.85086E-15	1.913E-10	6.2641E-08	1.41988E-08	6.03646E-14	2.82506E-16	3.01299E-14	4.70027E-17
663	570670.6	4178759	0.55, 41787	0.30614	0.31293	0.29402	149.31547	72.47289	221.2081	21.10931	12.07881	31.37185	2.17E-10	6.72E-08	1.56E-08	6.7E-14	2.02E-13	1.6E-13	7.93E-17	1.92E-15	1.06E-16	2.10021E-15	2.17E-10	6.7222E-08	1.55753E-08	6.84969E-14	3.20565E-16	3.4189E-14	5.33348E-17
664	570710.6	4178759	0.55, 41787	0.33494	0.35231	0.31792	164.794	71.08708	213.69891	21.55176	13.08376	26.71236	2.43E-10	6.68E-08	1.55E-08	7.49E-14	2.26E-13	1.79E-13	8.87E-17	2.14E-15	1.18E-16	2.34863E-15	2.427E-10	6.6831E-08	1.5484E-08	7.65989E-14	3.58483E-16	3.82329E-14	5.96434E-17
665	570750.6	4178759	0.55, 41787	0.36674	0.3924	0.33661	179.38877	78.60477	216.64393	22.4236	16.36841	27.08049	2.69E-10	7.22E-08	1.61E-08	8.29E-14	2.5E-13	1.98E-13	9.81E-17	2.37E-15	1.31E-16	2.59875E-15	2.685E-10	7.2177E-08	1.60544E-08	8.47563E-14	3.96659E-16	4.23046E-14	6.59951E-17
666	570790.6	4178759	0.55, 41787	0.40357	0.43625	0.34677	166.36606	82.34558	242.62848	21.7564	19.87746	30.35713	2.96E-10	7.55E-08	1.59E-08	9.14E-14	2.76E-13	2.18E-13	1.08E-16	2.61E-15	1.44E-16	2.86575E-15	2.961E-10	7.5488E-08	1.58974E-08	9.34644E-14	4.37413E-16	4.66511E-14	7.27757E-17
667	570830.6	4178759	0.55, 41787	0.43354	0.48203	0.39259	188.6599	98.62945	246.30784	24.95504	19.43466	30.78848	3.27E-10	8.63E-08	1.79E-08	1.01E-13	3.05E-13	2.41E-13	1.2E-16	2.89E-15	1.59E-16	3.16612E-15	3.272E-10	8.6268E-08	1.79179E-08	1.03261E-13	4.8326E-16	5.15407E-14	8.04036E-17
668	570870.6	4178759	0.55, 41787	0.46387	0.52331	0.45582	172.12292	120.25167	329.63715	21.51536	18.67269	41.20464	3.57E-10	1.04E-07	1.66E-08	1.1E-13	3.33E-13	2.63E-13	1.3E-16	3.15E-15	1.74E-16	3.45564E-15	3.571E-10	1.0385E-07	1.66001E-08	1.12703E-13	5.27451E-16	5.62538E-14	8.77559E-17
669	570910.6	4178759	0.55, 41787	0.49085	0.54778	0.42691	176.15826	108.72169	296.15879	23.43896	19.655	37.01985	3.7E-10	9.5E-08	1.75E-08	1.14E-13	3.45E-13	2.72E-13	1.35E-16	3.27E-15	1.8E-16	3.58225E-15	3.702E-10	9.5033E-08	1.74659E-08	1.16833E-13	5.46777E-16	5.83149E-14	9.09712E-17
670	570950.6	4178759	0.55, 41787	0.48762	0.55475	0.41816	180.46301	97.04885	324.78811	24.36206	20.46933	40.59851	3.73E-10	9.1E-08	1.83E-08	1.15E-13	3.48E-13	2.75E-13	1.36E-16	3.29E-15	1.82E-16	3.61129E-15	3.732E-10	9.1037E-08	1.83204E-08	1.1778E-13	5.51208E-16	5.87875E-14	9.17085E-17
671	570990.6	4178759	0.55, 41787	0.49051	0.55159	0.43765	151.23194	87.28492	222.11928	25.20532	17.38113	28.62893	3.73E-10	7.57E-08	1.79E-08	1.15E-13	3.48E-13	2.75E-13	1.36E-16	3.29E-15	1.82E-16	3.6108E-15	3.731E-10	7.5682E-08	1.79037E-08	1.17763E-13	5.51133E-16	5.87795E-14	9.1696E-17
672	571030.6	4178759	0.55, 41787	0.48428	0.53663	0.45626	187.58168	78.86438	272.43541	28.06386	15.68835	45.4059	3.66E-10	7.72E-08	2.1E-08	1.13E-13	3.41E-13	2.69E-13	1.34E-16	3.23E-15	1.78E-16	3.54034E-15	3.658E-10	7.722E-08	2.09972E-08	1.15466E-13	5.4038E-16	5.76327E-14	8.99069E-17
673	571070.6	4178759	0.55, 41787	0.467	0.51625	0.43604	163.79974	72.83551	258.94072	22.54296	13.46245	32.36759	3.52E-10	7.13E-08	1.65E-08	1.09E-13	3.28E-13	2.59E-13	1.29E-16	3.1E-15	1.71E-16	3.40437E-15	3.518E-10	7.13E-08	1.65439E-08	1.11031E-13	5.19625E-16	5.54191E-14	8.64538E-17
674	571110.6	4178759	0.55, 41787	0.44755	0.4933	0.39624	157.0432	65.36033	149.25903	19.63651	11.35189	22.10234	3.35E-10	5.81E-08	1.39E-08	1.03E-13	3.12E-13	2.46E-13	1.22E-16	2.95E-15	1.63E-16	3.2383E-15	3.346E-10	5.8084E-08	1.39322E-08	1.05615E-13	4.94277E-16	5.27157E-14	8.22365E-17
675	571150.6	4178759	0.55, 41787	0.4302	0.46818	0.38775	183.98767	62.14189	232.46693	23.05685	11.54043	29.05837	3.19E-10	6.45E-08	1.66E-08	9.84E-14	2.97E-13	2.35E-13	1.16E-16	2.81E-15	1.55E-16	3.08559E-15	3.189E-10	6.4519E-08	1.66031E-08	1.00634E-13	4.70969E-16	5.02298E-14	7.83585E-17
676	571190.6	4178759	0.55, 41787	0.41561	0.44245	0.39452	166.33485	59.4631	232.20811	21.02615	11.70076	29.03347	3.04E-10	6.19E-08	1.53E-08	9.38E-14	2.83E-13	2.24E-13	1.11E-16	2.68E-15	1.48E-16	2.94287E-15	3.041E-10	6.1894E-08	1.53399E-08	9.59797E-14	4.49185E-16	4.79066E-14	7.47342E-17
677	571230.6	4178759	0.55, 41787	0.39577	0.41616	0.38297	133.04594	57.55284	174.38403	19.00656	11.25795	24.912	2.87E-10	5.42E-08	1.38E-08	8.86E-14	2.68E-13	2.11E-13	1.05E-16	2.54E-15	1.4E-16	2.78001E-15	2.873E-10	5.4192E-08	1.37618E-08	9.06679E-14	4.24326E-16	4.52553E-14	7.05982E-17
678	571270.6	4178759	0.55, 41787	0.36933	0.38979	0.3568	133.93343	52.76944	163.09994	18.49966	10.32502	20.38749	2.69E-10	5.07E-08	1.31E-08	8.3E-14	2.5E-13	1.98E-13	9.82E-17	2.37E-15	1.31E-16	2.60158E-15	2.688E-10	5.0691E-08	1.30914E-08	8.48485E-14	3.97091E-16	4.23506E-14	6.6067E-17
679	571310.6	4178759	0.55, 41787	0.3411	0.36413	0.32902	131.1619	50.25063	168.23883	18.11843	9.56125	22.87944	2.51E-10	4.95E-08	1.31E-08	7.73E-14	2.33E-13	1.84E-13	9.15E-17	2.21E-15	1.22E-16	2.42467E-15	2.506E-10	4.9514E-08	1.30505E-08	7.90788E-14	3.70089E-16	3.94708E-14	6.15744E-17
680	571350.6	4178759	0.55, 41787	0.31543	0.34037	0.30452	103.20737	47.94128	136.71003	14.62528	9.08266	18.8743	2.34E-10	4.4E-08	1.06E-08	7.21E-14	2.18E-13	1.72E-13	8.54E-17	2.06E-15	1.14E-16	2.26207E-15	2.338E-10	4.3991E-08	1.05663E-08	7.37759E-14	3.45271E-16	3.68239E-14	5.74453E-17
681	571390.6	4178759	0.55, 41787	0.29206	0.31801	0.28181	95.20975	46.26011	128.00267	11.90122	8.7596	16.00033	2.18E-10	4.19E-08	8.65E-09	6.73E-14	2.03E-13	1.6E-13	7.96E-17	1.92E-15	1.06E-16	2.1098E-15	2.18E-10	4.1865E-08	8.64865E-09	6.88097E-14	3.22029E-16	3.43451E-14	5.35784E-17
682	571430.6	4178759	0.55, 41787	0.27184	0.29676	0.26169	65.82255	44.97926	77.28464	8.48847	8.42183	11.06277	2.03E-10	3.53E-08	6.14E-09	6.27E-14	1.89E-13	1.5E-13	7.43E-17	1.79E-15	9.9E-17	1.96741E-15	2.033E-10	3.5318E-08	6.14115E-09	6.41658E-14	3.00296E-16	3.20272E-14	4.99624E-17
683	571470.6	4178759	0.55, 41787	0.25781	0.27877	0.24855	74.19853	43.62462	66.74746	10.92817	7.8818	10.16339	1.91E-10	3.43E-08	7.59E-09	5.9E-14	1.78E-13	1.41E-13	6.99E-17	1.69E-15	9.32E-17	1.85171E-15	1.913E-10	3.426E-08	7.58569E-09	6.03921E-14	2.82635E-16	3.01436E-14	4.70241E-17
684	571510.6	4178759	0.55, 41787	0.24715	0.26193	0.24035	102.14842	42.0514	116.58455	14.2101	7.23025	16.16505	1.81E-10	3.91E-08	1.01E-08	5.57E-14	1.68E-13	1.33E-13	6.6E-17	1.59E-15	8.8E-17	1.74802E-15	1.806E-10	3.9055E-08	1.00956E-08	5.70104E-14	2.66809E-16	2.84557E-14	4.43909E-17
685	571550.6	4178759	0.55, 41787	0.23772	0.24585	0.23427	104.82233	40.15762	128.89855	14.31586	6.66643	17.41071	1.71E-10	3.91E-08	1.03E-08	5.26E-14	1.59E-13	1.26E-13	6.23E-17	1.51E-15	8.31E-17	1.6508E-15	1.706E-10	3.9133E-08	1.02591E-08	5.38396E-14	2.51969E-16	2.68731E-14	4.1922E-17
686	571590.6	4178759	0.55, 41787	0.22808	0.23097	0.22747	83.60184	37.747	96.99907	11.46846	6.12919	13.15855	1.61E-10	3.39E-08	8.16E-09	4.97E-14	1.5E-13	1.19E-13	5.89E-17	1.42E-15	7.85E-17	1.55938E-15	1.611E-10	3.3947E-08	8.15659E-09	5.08582E-14	2.38016E-16	2.53849E-14	3.96005E-17
687	570310.6	4178799	0.55, 41787	0.10253	0.09048	0.09887	92.22772	37.68456	108.42661	11.52846	4.71057	13.55333	6.47E-11	3.54E-08	8.22E-09	2E-14	6.03E-14	4.76E-14	2.36E-17	5.71E-16	3.15E-17	6.26313E-16	6.472E-11	3.5353E-08	8.22487E-09	2.04267E-14	9.55971E-17	1.01956E-14	1.59052E-17
688	570350.6	4178799	0.55, 41787	0.11434	0.10195	0.11024	96.42289	41.82094	119.06345	12.05286	5.22762	14.88293	7.28E-11	3.88E-08	8.66E-09	2.25E-14	6.78E-14	5.35E-14	2.66E-17	6.42E-16	3.54E-17	7.04102E-16	7.276E-11	3.8761E-08	8.65503E-09	2.29638E-14	1.0747E-16	1.1462E-14	1.78807E-17
689	570390.6	4178799	0.55, 41787	0.12785	0.11532	0.12365	96.70849	44.28794	121.57528	12.08856	5.83168	15.19691	8.21E-11	4.04E-08	8.7E-09	2.53E-14	7.65E-14	6.04E-14	3E-17	7.25E-16	4E-17	7.9474E-16	8.212E-11	4.0354E-08	8.70188E-09	2.59199E-14	1.21305E-16	1.29374E-14	2.01824E-17
690	570430.6	4178799	0.55, 41787	0.14288	0.13064	0.13911	109.4746	48.39009	132.26529	13.83026	6.97525	16.53316	9.28E-11	4.43E-08	9.89E-09	2.86E-14	8.65E-14	6.83E-14	3.39E-17	8.19E-16	4.52E-17	8.98396E-16	9.284E-11	4.4286E-08	9.88858E-09	2.93005E-14	1.37126E-16	1.46248E-14	2.28147E-17
691	570470.6	4178799	0.55, 41787	0.15993	0.14857	0.15692	116.3647	50.80214	153.38363	16.31235	7.92735	19.17295	1.05E-10	4.77E-08	1.16E-08	3.25E-14	9.81E-14	7.75E-14	3.85E-17	9.29E-16	5.13E-17	1.01917E-15	1.053E-10	4.7725E-08	1.16375E-08	3.32394E-14	1.5556E-16	1.65908E-14	2.58817E-17
692	570510.6	4178799	0.55, 41787	0.17816	0.16871	0.17591	124.77861	52.11481	162.22151	17.82552	8.49382	23.1745	1.19E-10	4.97E-08	1.29E-08	3.68E-14	1.11E-13	8.77E-14	4.35E-17	1.05E-15	5.81E-17	1.15349E-15	1.192E-10	4.9681E-08	1.28917E-08	3.76202E-14	1.76063E-16	1.87775E-14	2.92928E-17
693	570550.6	4178799	0.55, 41787	0.19752	0.19131	0.19507	126.89522	56.18657	175.78093	18.12789	8.51005	24.21863	1.35E-10	5.32E-08	1.32E-08	4.15E-14	1.25E-13	9.9E-14	4.92E-17	1.19E-15	6.55E-17	1.30192E-15	1.345E-10	5.3152E-08	1.31616E-08	4.24611E-14	1.98718E-16	2.11937E-14	3.30622E-17
694	570590.6	4178799	0.55, 41787	0.21773	0.21627	0.21308	122.68072	62.5324	158.46837	17.14296	9.80776	21.67538	1.51E-10	5.51E-08	1.24E-08	4.66E-14	1.41E-13	1.11E-13	5.52E-17	1.33E-15	7.36E-17	1.46274E-15	1.512E-10	5.5069E-08	1.235E-08	4.77061E-14	2.23265E-16	2.38117E-14	3.71462E-17
695	570630.6	4178799	0.55, 41787	0.23771	0.24268	0.22932	133.9153	64.36556	188.20796	18.95021	10.72759	26.70167	1.68E-10	5.91E-08	1.39E-08	5.2E-14	1.57E-13	1.24E-13	6.15E-17	1.49E-15	8.2E-17	1.6299E-15	1.684E-10	5.9135E-08	1.38674E-08	5.31582E-14	2.4878E-16	2.65329E-14	4.13914E-17
696	570670.6	4178799	0.55, 41787	0.25595	0.26895	0.24514	141.94782	63.09907	182.20008	19.13844	10.57117	23.96944	1.85E-10	5.85E-08	1.38E-08	5.72E-14	1.73E-13	1.37E-13	6.78E-17	1.64E-15	9.04E-17	1.79494E-15	1.855E-10	5.8461E-08	1.37696E-08	5.85406E-14	2.7397E-16	2.92195E-14	4.55824E-17
697	570710.6	4178799	0.55, 41787	0.27273	0.29382	0.2595	157.12572	66.69563	192.86918	19.64072	11.93189	24.10865	2.02E-10	6.23E-08	1.41E-08	6.22E-14	1.88E-13	1.48E-13	7.36E-17	1.78E-15	9.82E-17	1.95041E-15	2.015E-10	6.2261E-08	1.40925E-08	6.36112E-14	2.977E-16	3.17504E-14	4.95306E-17
698	570750.6	4178799	0.55, 41787	0.29355	0.31916	0.26739	152.65771	72.44297	180.42039	19.08221	15.18472	22.55534	2.18E-10	6.42E-08	1.36E-08	6.72E-14	2.03E-13	1.6E-13	7.95E-17	1.92E-15	1.06E-16	2.10596E-15	2.176E-10	6.4211E-08	1.36236E-08	6.86843E-14	3.21442E-16	3.42825E-14	5.34807E-17
699	570790.6	4178799	0.55, 41787	0.31688	0.34759	0.27611	157.73005	72.26845	195.86787	20.13646	16.34526	24.48348	2.36E-10	6.56E-08	1.44E-08	7.27E-14	2.2E-13	1.73E-13	8.61E-17	2.08E-15	1.15E-16	2.28036E-15	2.356E-10	6.5646E-08	1.44298E-08	7.43721E-14	3.48062E-16	3.71215E-14	5.79096E-17
700	570830.6	4178799	0.55, 41787	0.33524	0.37796	0.31984	162.23746	94.66133	234.71664	21.09567	14.73083	29.33958	2.57E-10	8.15E-08	1.54E-08	7.94E-14	2.4E-13	1.89E-13	9.4E-17	2.27E-15	1.25E-16	2.48883E-15	2.572E-10	8.1481E-08	1.54071E-08	8.11714E-14	3.79882E-16	4.05153E-14	6.32038E-17
701	570870.6	4178799	0.55, 41787	0.35595	0.40358	0.35265	158.80625	107.46352	263.60655	19.85078	16.70272	32.95082	2.75E-10	9.07E-08	1.49E-08	8.5E-14	2.57E-13	2.03E-13	1.01E-16	2.43E-15	1.34E-16	2.66477E-15	2.754E-10	9.0682E-08	1.49177E-08	8.69097E-14	4.06737E-16	4.33794E-14	6.76719E-17
702	570910.6	4178799	0.55, 41787	0.3676	0.41723	0.32417	150.41188	96.98395	247.06251	18.80149	15.72408	30.88281	2.81E-10	8.3E-08	1.41E-08	8.69E-14	2.62E-13	2.07E-13	1.03E-16	2.48E-15	1.37E-16	2.72394E-15	2.815E-10	8.3005E-08	1.41036E-08	8.88394E-14	4.15768E-16	4.43426E-14	6.91744E-17
703	570950.6	4178799	0.55, 41787	0.34637	0.40141	0.30552	159.46188	87.41269	275.63404	19.93273	16.48069	34.45425	2.7E-10	8.05E-08	1.51E-08	8.33E-14	2.51E-13	1.99E-13	9.86E-17	2.38E-15	1.31E-16	2.61139E-15	2.698E-10	8.0476E-08	1.50868E-08	8.51685E-14	3.98589E-16	4.25103E-14	6.63161E-17
704	570990.6	4178799	0.55, 41787	0.35579	0.40756	0.32647	119.48057	79.68844	146.33228	17.5796	14.60553	25.33485	2.76E-10	6.35E-08	1.29E-08	8.5E-14	2.57E-13	2.03E-13	1.01E-16	2.43E-15	1.34E-16	2.66627E-15	2.755E-10	6.3491E-08	1.29088E-08	8.69585E-14	4.06966E-16	4.34037E-14	6.77098E-17
705	571030.6	4178799	0.55, 41787	0.37225	0.416	0.35619	155.14917	72.93395	196.55996	24.86673	12.948	30.87431	2.84E-10	6.59E-08	1.79E-08	8.75E-14	2.64E-13	2.09E-13	1.04E-16	2.5E-15	1.38E-16	2.74447E-15	2.836E-10	6.5909E-08	1.78698E-08	8.9509E-14	4.18902E-16	4.46768E-14	6.96958E-17
706	571070.6	4178799	0.55, 41787	0.3594	0.40135	0.34666	158.59146	67.81733	220.83512	22.65592	11.74555	33.70367	2.74E-10	6.52E-08	1.67E-08	8.45E-14	2.55E-13	2.02E-13	1E-16	2.42E-15	1.33E-16	2.65027E-15	2.739E-10	6.5177E-08	1.67191E-08	8.64367E-14	4.04524E-16	4.31433E-14	6.73036E-17
707	571110.6	4178799	0.55, 41787	0.34191	0.38638	0.31575	133.9595	62.41991	198.12185	16.74494	10.40332	24.76523	2.62E-10	5.88E-08	1.23E-08	8.08E-14	2.44E-13	1.93E-13	9.57E-17	2.31E-15	1.28E-16	2.53526E-15	2.62E-10	5.8831E-08	1.23456E-08	8.26858E-14	3.86969E-16	4.12711E-14	6.43829E-17
708	571150.6	4178799	0.55, 41787	0.32926	0.37153	0.29721	140.52662	58.47073	122.49716	17.56829	9.74512	16.40698	2.51E-10	5.11E-08	1.22E-08	7.76E-14	2.34E-13	1.85E-13	9.19E-17	2.22E-15	1.22E-16	2.43325E-15	2.514E-10	5.1097E-08	1.22002E-08	7.93588E-14	3.71399E-16	3.96105E-14	6.17924E-17
709	571190.6	4178799	0.55, 41787	0.32393	0.35615	0.30055	162.80337	55.99612	201.90064	20.37225	9.46414	25.23758	2.43E-10	5.74E-08	1.46E-08	7.49E-14	2.26E-13	1.79E-13	8.87E-17	2.14E-15	1.18E-16	2.34947E-15	2.428E-10	5.7355E-08	1.46355E-08	7.66262E-14	3.58611E-16	3.82466E-14	5.96647E-17
710	571230.6	4178799	0.55, 41787	0.31732	0.33876	0.30501	141.0743	54.42569	191.70239	17.72831	9.52966	23.96639	2.33E-10	5.43E-08	1.29E-08	7.19E-14	2.17E-13	1.71E-13	8.51E-17	2.06E-15	1.14E-16	2.2549E-15	2.33E-10	5.4312E-08	1.28936E-08	7.35419E-14	3.44176E-16	3.67071E-14	5.72631E-17
711	571270.6	4178799	0.55, 41787	0.30415	0.32027	0.29829	116.54381	51.24633	144.90939	16.64912	9.13765	20.70134	2.21E-10	4.73E-08	1.2E-08	6.83E-14	2.06E-13	1.63E-13	8.09E-17	1.95E-15	1.08E-16	2.1419E-15	2.213E-10	4.7318E-08	1.19668E-08	6.98564E-14	3.26928E-16	3.48676E-14	5.43934E-17
712	571310.6	4178799	0.55, 41787	0.28608	0.30211	0.28212	111.77517	48.08718	136.31939	15.28029	8.60329	17.73191	2.09E-10	4.46E-08	1.09E-08	6.44E-14	1.95E-13	1.54E-13	7.63E-17	1.84E-15	1.02E-16	2.02051E-15	2.088E-10	4.458E-08	1.08833E-08	6.58975E-14	3.084E-16	3.28916E-14	5.13108E-17
713	571350.6	4178799	0.55, 41787	0.26522	0.28423	0.2608	116.94553	46.1941	139.01017	15.97517	8.23917	19.97796	1.96E-10	4.41E-08	1.15E-08	6.04E-14	1.82E-13	1.44E-13	7.15E-17	1.73E-15	9.54E-17	1.89502E-15	1.958E-10	4.406E-08	1.14914E-08	6.18049E-14	2.89247E-16	3.08488E-14	4.81241E-17
714	571390.6	4178799	0.55, 41787	0.24309	0.26586	0.23735	101.64822	44.37475	130.479	13.96186	7.97488	17.70328	1.82E-10	4.14E-08	1.01E-08	5.63E-14	1.7E-13	1.34E-13	6.66E-17	1.61E-15	8.88E-17	1.7645E-15	1.823E-10	4.1412E-08	1.00623E-08	5.75479E-14	2.69324E-16	2.8724E-14	4.48094E-17
715	571430.6	4178799	0.55, 41787	0.22645	0.25105	0.21957	78.66707	42.96369	101.00422	10.22882	7.75525	13.14754	1.72E-10	3.69E-08	7.39E-09	5.3E-14	1.6E-13	1.26E-13	6.27E-17	1.51E-15	8.36E-17	1.66086E-15	1.716E-10	3.6864E-08	7.38583E-09	5.41676E-14	2.53504E-16	2.70368E-14	4.21774E-17
716	571470.6	4178799	0.55, 41787	0.21325	0.23694	0.20607	47.64153	41.84289	57.10773	7.70461	7.45296	10.06314	1.62E-10	3.08E-08	5.58E-09	4.99E-14	1.51E-13	1.19E-13	5.91E-17	1.43E-15	7.88E-17	1.56634E-15	1.619E-10	3.0839E-08	5.57577E-09	5.1085E-14	2.39078E-16	2.54982E-14	3.97771E-17
717	571510.6	4178799	0.55, 41787	0.20623	0.22585	0.19985	71.44774	40.73398	67.79843	10.29216	7.00806	9.90291	1.55E-10	3.26E-08	7.17E-09	4.77E-14	1.44E-13	1.14E-13	5.65E-17	1.37E-15	7.54E-17	1.49743E-15	1.547E-10	3.2556E-08	7.17022E-09	4.88377E-14	2.2856E-16	2.43764E-14	3.80273E-17
718	571550.6	4178799	0.55, 41787	0.19818	0.21228	0.19356	94.10249	39.35835	107.36049	13.01678	6.4744	14.79864	1.46E-10	3.63E-08	9.25E-09	4.51E-14	1.36E-13	1.08E-13	5.34E-17	1.29E-15	7.12E-17	1.41445E-15	1.462E-10	3.6321E-08	9.24707E-09	4.61312E-14	2.15894E-16	2.30256E-14	3.59199E-17
719	571590.6	4178799	0.55, 41787	0.19254	0.20073	0.18997	94.76849	37.66806	114.23818	12.95063	6.01952	15.50303	1.39E-10	3.6E-08	9.26E-09	4.29E-14	1.3E-13	1.02E-13	5.08E-17	1.23E-15	6.77E-17	1.3459E-15	1.391E-10	3.596E-08	9.26133E-09	4.38954E-14	2.05431E-16	2.19096E-14	3.4179E-17
720	570310.6	4178839	0.55, 41788	0.10118	0.0904	0.098	86.93136	38.98232	105.93151	10.86642	4.87279	13.24144	6.45E-11	3.55E-08	7.79E-09	1.99E-14	6.01E-14	4.75E-14	2.36E-17	5.69E-16	3.14E-17	6.24398E-16	6.452E-11	3.5548E-08	7.7892E-09	2.03643E-14	9.53048E-17	1.01645E-14	1.58566E-17
721	570350.6	4178839	0.55, 41788	0.1118	0.10104	0.10874	92.10266	41.60712	103.12867	11.51283	5.43734	12.89108	7.2E-11	3.71E-08	8.16E-09	2.22E-14	6.71E-14	5.3E-14	2.63E-17	6.35E-16	3.51E-17	6.96501E-16	7.197E-11	3.7118E-08	8.16313E-09	2.27159E-14	1.0631E-16	1.13382E-14	1.76876E-17
722	570390.6	4178839	0.55, 41788	0.12335	0.11299	0.12071	101.58992	44.39945	123.8041	13.097	6.32134	15.47551	8.03E-11	4.09E-08	9.35E-09	2.48E-14	7.48E-14	5.91E-14	2.93E-17	7.09E-16	3.91E-17	7.77181E-16	8.031E-11	4.0898E-08	9.35007E-09	2.53472E-14	1.18625E-16	1.26516E-14	1.97365E-17
723	570430.6	4178839	0.55, 41788	0.13612	0.12663	0.1341	105.75261	46.22171	135.82058	15.10752	6.99394	17.72822	8.98E-11	4.31E-08	1.08E-08	2.77E-14	8.36E-14	6.61E-14	3.28E-17	7.92E-16	4.37E-17	8.68813E-16	8.978E-11	4.3121E-08	1.07757E-08	2.83357E-14	1.32611E-16	1.41433E-14	2.20635E-17
724	570470.6	4178839	0.55, 41788	0.14941	0.1416	0.14777	113.55911	47.52324	144.14907	16.22273	7.30549	20.59272	1E-10	4.5E-08	1.17E-08	3.09E-14	9.32E-14	7.36E-14	3.66E-17	8.83E-16	4.87E-17	9.68158E-16	1E-10	4.4992E-08	1.16934E-08	3.15758E-14	1.47775E-16	1.57605E-14	2.45863E-17
725	570510.6	4178839	0.55, 41788	0.16314	0.158	0.16129	114.44641	50.69094	152.51274	16.21485	7.16417	20.85712	1.11E-10	4.75E-08	1.17E-08	3.43E-14	1.04E-13	8.18E-14	4.06E-17	9.81E-16	5.41E-17	1.07538E-15	1.111E-10	4.7474E-08	1.17093E-08	3.50728E-14	1.64141E-16	1.75059E-14	2.73093E-17
726	570550.6	4178839	0.55, 41788	0.17704	0.17576	0.1737	109.2842	56.30775	135.99936	15.45924	8.75778	18.63755	1.23E-10	4.9E-08	1.11E-08	3.79E-14	1.14E-13	9.04E-14	4.49E-17	1.08E-15	5.99E-17	1.18921E-15	1.229E-10	4.8987E-08	1.10656E-08	3.87853E-14	1.81515E-16	1.9359E-14	3.02E-17
727	570590.6	4178839	0.55, 41788	0.1907	0.19445	0.18485	121.04262	57.73789	162.59872	17.123	9.62298	23.05827	1.35E-10	5.26E-08	1.24E-08	4.17E-14	1.26E-13	9.94E-14	4.93E-17	1.19E-15	6.58E-17	1.30696E-15	1.351E-10	5.2614E-08	1.24463E-08	4.26256E-14	1.99488E-16	2.12758E-14	3.31902E-17
728	570630.6	4178839	0.55, 41788	0.20316	0.21304	0.19546	125.84874	56.85617	163.76967	17.26057	9.47603	21.8341	1.47E-10	5.25E-08	1.24E-08	4.54E-14	1.37E-13	1.08E-13	5.37E-17	1.3E-15	7.16E-17	1.42303E-15	1.47E-10	5.2516E-08	1.24355E-08	4.64111E-14	2.17204E-16	2.31652E-14	3.61378E-17
729	570670.6	4178839	0.55, 41788	0.21386	0.23043	0.20601	138.80556	56.19819	167.35734	17.35069	9.51337	20.91967	1.58E-10	5.32E-08	1.24E-08	4.88E-14	1.47E-13	1.16E-13	5.78E-17	1.4E-15	7.71E-17	1.5315E-15	1.583E-10	5.3245E-08	1.24197E-08	4.99487E-14	2.3376E-16	2.4931E-14	3.88924E-17
730	570710.6	4178839	0.55, 41788	0.22462	0.24643	0.21368	139.69865	64.11019	158.44625	17.46233	11.64998	19.80578	1.68E-10	5.7E-08	1.24E-08	5.2E-14	1.57E-13	1.24E-13	6.15E-17	1.49E-15	8.21E-17	1.63031E-15	1.685E-10	5.7018E-08	1.24015E-08	5.31713E-14	2.48842E-16	2.65395E-14	4.14016E-17
731	570750.6	4178839	0.55, 41788	0.23931	0.26333	0.21642	129.30344	65.03758	176.13066	16.25667	13.35444	22.02002	1.79E-10	5.83E-08	1.18E-08	5.52E-14	1.67E-13	1.32E-13	6.54E-17	1.58E-15	8.72E-17	1.73262E-15	1.79E-10	5.8272E-08	1.18267E-08	5.65081E-14	2.64458E-16	2.8205E-14	4.39998E-17
732	570790.6	4178839	0.55, 41788	0.2546	0.28325	0.22784	148.04332	66.52984	161.44916	18.88746	13.10425	20.18115	1.92E-10	5.91E-08	1.33E-08	5.93E-14	1.79E-13	1.41E-13	7.02E-17	1.69E-15	9.35E-17	1.85821E-15	1.92E-10	5.9129E-08	1.33161E-08	6.06041E-14	2.83627E-16	3.02495E-14	4.71891E-17
733	570830.6	4178839	0.55, 41788	0.26766	0.30497	0.26524	136.3658	90.38201	203.70222	17.19519	14.05196	26.51864	2.08E-10	7.5E-08	1.28E-08	6.42E-14	1.94E-13	1.53E-13	7.6E-17	1.83E-15	1.01E-16	2.01192E-15	2.079E-10	7.5029E-08	1.2763E-08	6.56173E-14	3.07089E-16	3.27517E-14	5.10927E-17
734	570870.6	4178839	0.55, 41788	0.28248	0.32215	0.27934	145.76117	97.26265	213.43334	18.22015	15.13016	26.67917	2.2E-10	8.02E-08	1.34E-08	6.77E-14	2.05E-13	1.62E-13	8.02E-17	1.94E-15	1.07E-16	2.12446E-15	2.195E-10	8.0226E-08	1.34122E-08	6.92878E-14	3.24267E-16	3.45837E-14	5.39506E-17
735	570910.6	4178839	0.55, 41788	0.28799	0.33135	0.25629	130.6935	87.1686	210.24612	16.33669	13.50967	26.28077	2.23E-10	7.34E-08	1.22E-08	6.89E-14	2.08E-13	1.64E-13	8.15E-17	1.97E-15	1.09E-16	2.15998E-15	2.232E-10	7.3393E-08	1.22112E-08	7.04463E-14	3.29689E-16	3.5162E-14	5.48527E-17
736	570950.6	4178839	0.55, 41788	0.28758	0.33724	0.25781	143.26415	81.64199	232.33178	17.90802	13.93242	29.04147	2.27E-10	7.28E-08	1.34E-08	6.99E-14	2.11E-13	1.67E-13	8.28E-17	2E-15	1.1E-16	2.19271E-15	2.266E-10	7.2834E-08	1.3404E-08	7.15136E-14	3.34683E-16	3.56947E-14	5.56837E-17
737	570990.6	4178839	0.55, 41788	0.28844	0.33412	0.27084	115.42228	74.82901	134.90402	15.11344	13.01217	21.06919	2.26E-10	5.96E-08	1.1E-08	6.97E-14	2.1E-13	1.66E-13	8.25E-17	1.99E-15	1.1E-16	2.18628E-15	2.259E-10	5.9625E-08	1.10419E-08	7.13041E-14	3.33703E-16	3.55901E-14	5.55206E-17
738	571030.6	4178839	0.55, 41788	0.29049	0.32848	0.28015	122.60648	67.85889	167.69329	20.43441	11.21527	20.96166	2.24E-10	5.88E-08	1.43E-08	6.9E-14	2.08E-13	1.65E-13	8.17E-17	1.97E-15	1.09E-16	2.16414E-15	2.236E-10	5.8763E-08	1.43382E-08	7.0582E-14	3.30324E-16	3.52297E-14	5.49584E-17
739	571070.6	4178839	0.55, 41788	0.28682	0.32211	0.27916	145.80556	62.69899	194.95005	22.09774	10.44682	32.49167	2.2E-10	5.95E-08	1.63E-08	6.78E-14	2.05E-13	1.62E-13	8.03E-17	1.94E-15	1.07E-16	2.12675E-15	2.198E-10	5.9482E-08	1.62772E-08	6.93624E-14	3.24616E-16	3.4621E-14	5.40087E-17
740	571110.6	4178839	0.55, 41788	0.272	0.3104	0.2597	131.09883	59.8466	180.45962	17.36249	9.97443	23.15348	2.11E-10	5.58E-08	1.26E-08	6.5E-14	1.96E-13	1.55E-13	7.7E-17	1.86E-15	1.03E-16	2.03968E-15	2.108E-10	5.5827E-08	1.26025E-08	6.65227E-14	3.11326E-16	3.32036E-14	5.17976E-17
741	571150.6	4178839	0.55, 41788	0.26	0.30055	0.24148	99.99815	55.57889	134.60776	12.49977	9.26315	16.82597	2.03E-10	4.79E-08	9.09E-09	6.27E-14	1.89E-13	1.49E-13	7.42E-17	1.79E-15	9.89E-17	1.96532E-15	2.031E-10	4.7887E-08	9.08527E-09	6.40974E-14	2.99976E-16	3.19931E-14	4.99092E-17
742	571190.6	4178839	0.55, 41788	0.2552	0.29099	0.23588	127.82601	53.11626	132.48794	15.97966	8.85271	16.56099	1.97E-10	4.81E-08	1.12E-08	6.08E-14	1.84E-13	1.45E-13	7.2E-17	1.74E-15	9.6E-17	1.9065E-15	1.97E-10	4.8095E-08	1.12257E-08	6.2179E-14	2.90998E-16	3.10355E-14	4.84154E-17
743	571230.6	4178839	0.55, 41788	0.25406	0.28009	0.23929	144.46225	51.51588	176.21864	18.06666	8.58598	22.02733	1.91E-10	5.17E-08	1.3E-08	5.9E-14	1.78E-13	1.41E-13	6.98E-17	1.69E-15	9.31E-17	1.84952E-15	1.911E-10	5.1684E-08	1.29514E-08	6.03206E-14	2.82301E-16	3.0108E-14	4.69684E-17
744	571270.6	4178839	0.55, 41788	0.2507	0.26766	0.24251	121.82335	49.56018	161.92313	15.26733	8.26003	20.24326	1.84E-10	4.8E-08	1.11E-08	5.68E-14	1.72E-13	1.36E-13	6.73E-17	1.63E-15	8.97E-17	1.78278E-15	1.842E-10	4.8046E-08	1.10726E-08	5.81439E-14	2.72114E-16	2.90215E-14	4.52735E-17
745	571310.6	4178839	0.55, 41788	0.24184	0.25433	0.23951	103.21026	44.65355	122.05645	14.74432	7.58702	17.43664	1.76E-10	4.1E-08	1.05E-08	5.43E-14	1.64E-13	1.3E-13	6.43E-17	1.55E-15	8.57E-17	1.7031E-15	1.76E-10	4.1004E-08	1.05273E-08	5.55453E-14	2.59952E-16	2.77244E-14	4.32501E-17
746	571350.6	4178839	0.55, 41788	0.22797	0.24079	0.22797	99.0464	44.12829	113.73434	14.35742	7.39344	18.63488	1.67E-10	3.98E-08	1.04E-08	5.14E-14	1.55E-13	1.23E-13	6.09E-17	1.47E-15	8.12E-17	1.61274E-15	1.667E-10	3.9795E-08	1.03811E-08	5.25985E-14	2.46161E-16	2.62536E-14	4.09556E-17
747	571390.6	4178839	0.55, 41788	0.21103	0.22733	0.21036	102.76287	42.76623	112.22851	13.91866	7.25999	15.15441	1.57E-10	3.92E-08	9.84E-09	4.84E-14	1.46E-13	1.15E-13	5.72E-17	1.38E-15	7.63E-17	1.51634E-15	1.567E-10	3.915E-08	9.83515E-09	4.94543E-14	2.31446E-16	2.46842E-14	3.85074E-17
748	571430.6	4178839	0.55, 41788	0.19469	0.21494	0.19186	96.70075	41.37793	118.14409	13.13698	7.12068	15.87157	1.47E-10	3.85E-08	9.41E-09	4.55E-14	1.37E-13	1.08E-13	5.38E-17	1.3E-15	7.18E-17	1.4254E-15	1.473E-10	3.8459E-08	9.40603E-09	4.64885E-14	2.17566E-16	2.32039E-14	3.61981E-17
749	571470.6	4178839	0.55, 41788	0.18137	0.20392	0.17665	77.02264	40.18933	97.95965	10.5662	6.94319	13.29535	1.39E-10	3.5E-08	7.61E-09	4.29E-14	1.3E-13	1.02E-13	5.08E-17	1.23E-15	6.78E-17	1.34621E-15	1.391E-10	3.4973E-08	7.60698E-09	4.39055E-14	2.05478E-16	2.19146E-14	3.41868E-17
750	571510.6	4178839	0.55, 41788	0.17253	0.19446	0.16733	52.60803	39.21497	67.39367	7.34906	6.67327	9.32595	1.33E-10	3.05E-08	5.3E-09	4.09E-14	1.23E-13	9.75E-14	4.84E-17	1.17E-15	6.46E-17	1.28264E-15	1.325E-10	3.0492E-08	5.29703E-09	4.18324E-14	1.95775E-16	2.08799E-14	3.25726E-17
751	571550.6	4178839	0.55, 41788	0.16797	0.18619	0.16347	68.59481	38.25365	67.50423	9.65516	6.29212	9.48561	1.27E-10	3.1E-08	6.74E-09	3.93E-14	1.19E-13	9.37E-14	4.65E-17	1.12E-15	6.2E-17	1.23226E-15	1.273E-10	3.0969E-08	6.74181E-09	4.01892E-14	1.88085E-16	2.00597E-14	3.12931E-17
752	571590.6	4178839	0.55, 41788	0.16271	0.17607	0.15959	86.9293	37.04871	99.01478	11.93163	5.86384	13.49632	1.21E-10	3.39E-08	8.47E-09	3.74E-14	1.13E-13	8.91E-14	4.42E-17	1.07E-15	5.9E-17	1.17144E-15	1.211E-10	3.3925E-08	8.47079E-09	3.82057E-14	1.78802E-16	1.90697E-14	2.97487E-17
753	570839.2	4178446	9.17, 41784	74.46739	6.86955	3.72049	1115.31188	246.53605	1658.95445	545.24687	92.47095	232.89196	8.81E-09	3.38E-07	3.57E-07	2.72E-12	8.21E-12	6.48E-12	3.22E-15	7.77E-14	4.29E-15	8.52367E-14	8.808E-09	3.3808E-07	3.56933E-07	2.77994E-12	1.30101E-14	1.38755E-12	2.16458E-15
754	570839.2	4178486	9.17, 41784	72.70489	8.35312	4.22209	2611.28562	240.43522	1473.87155	1286.82968	90.10385	245.64526	9.56E-09	4.14E-07	8.19E-07	2.95E-12	8.91E-12	7.04E-12	3.49E-15	8.44E-14	4.66E-15	9.25601E-14	9.565E-09	4.1417E-07	8.18507E-07	3.01878E-12	1.41279E-14	1.50677E-12	2.35056E-15
755	570879.2	4178406	9.17, 41784	9.26791	12.09581	2.86973	654.37651	281.54322	1652.24347	174.87233	99.71055	250.6883	7.56E-09	3.28E-07	1.28E-07	2.33E-12	7.04E-12	5.56E-12	2.76E-15	6.67E-14	3.68E-15	7.31601E-14	7.56E-09	3.2812E-07	1.28305E-07	2.38607E-12	1.11668E-14	1.19096E-12	1.8579E-15
756	570879.2	4178446	9.17, 41784	110.98197	13.33715	11.62742	3333.88644	260.53475	3586.87714	1717.50318	91.01179	770.8732	1.53E-08	6.37E-07	1.13E-06	4.73E-12	1.43E-11	1.13E-11	5.6E-15	1.35E-13	7.47E-15	1.48398E-13	1.533E-08	6.3684E-07	1.12725E-06	4.83991E-12	2.26508E-14	2.41575E-12	3.76858E-15
757	570879.2	4178486	9.17, 41784	18.42358	13.79846	20.70311	473.0449	246.35325	4578.74855	141.68031	100.88031	655.29094	1.05E-08	5.27E-07	1.39E-07	3.24E-12	9.77E-12	7.72E-12	3.83E-15	9.25E-14	5.11E-15	1.01487E-13	1.049E-08	5.2702E-07	1.39482E-07	3.30994E-12	1.54905E-14	1.6521E-12	2.57727E-15
758	570879.2	4178526	9.17, 41785	94.91809	17.71904	9.02777	3340.71117	271.69492	2014.80922	1490.9797	113.49448	441.47053	1.66E-08	5.2E-07	9.61E-07	5.11E-12	1.54E-11	1.22E-11	6.05E-15	1.46E-13	8.07E-15	1.6032E-13	1.657E-08	5.1997E-07	9.60684E-07	5.22874E-12	2.44705E-14	2.60983E-12	4.07133E-15
759	570879.2	4178566	9.17, 41785	6.34056	7.84517	3.48916	517.57011	248.69096	1100.96831	138.67192	92.32789	171.27972	5.05E-09	2.58E-07	9.96E-08	1.56E-12	4.71E-12	3.72E-12	1.85E-15	4.46E-14	2.46E-15	4.88889E-14	5.052E-09	2.5786E-07	9.95826E-08	1.59448E-12	7.46215E-15	7.95854E-13	1.24153E-15
760	570919.2	4178366	9.17, 41783	2.36921	8.89638	1.45024	279.82249	231.14799	970.86833	50.20448	85.64726	145.20587	5.23E-09	2.23E-07	4.26E-08	1.61E-12	4.87E-12	3.85E-12	1.91E-15	4.61E-14	2.55E-15	5.06013E-14	5.229E-09	2.229E-07	4.25898E-08	1.65032E-12	7.72351E-15	8.23729E-13	1.28502E-15
761	570919.2	4178406	9.17, 41784	7.16288	18.51893	2.95623	387.12304	281.06153	1814.51514	102.95605	123.97591	301.78328	1.1E-08	3.24E-07	8.77E-08	3.4E-12	1.03E-11	8.11E-12	4.03E-15	9.72E-14	5.37E-15	1.06642E-13	1.102E-08	3.238E-07	8.76549E-08	3.47807E-12	1.62773E-14	1.73601E-12	2.70818E-15
762	570919.2	4178446	9.17, 41784	30.90779	15.96768	15.85005	761.46723	266.85593	6280.62092	290.35951	97.37786	1155.63511	1.21E-08	6.9E-07	2.71E-07	3.73E-12	1.13E-11	8.91E-12	4.42E-15	1.07E-13	5.9E-15	1.17109E-13	1.21E-08	6.9032E-07	2.71136E-07	3.81944E-12	1.7875E-14	1.9064E-12	2.97399E-15
763	570919.2	4178486	9.17, 41784	29.57453	18.16179	468.02027	992.62163	281.14129	31654.24271	425.98322	121.6397	9353.86757	4.88E-08	2.71E-06	1E-06	1.5E-11	4.54E-11	3.59E-11	1.78E-14	4.3E-13	2.38E-14	4.71974E-13	4.877E-08	2.7065E-06	9.9954E-07	1.53931E-11	7.20397E-14	7.68319E-12	1.19858E-14
764	570919.2	4178526	9.17, 41785	19.47257	21.77306	15.13476	427.44744	357.8357	3633.422	126.47105	151.21701	760.0028	1.46E-08	5.12E-07	1.38E-07	4.5E-12	1.36E-11	1.07E-11	5.32E-15	1.29E-13	7.1E-15	1.40969E-13	1.457E-08	5.1211E-07	1.38264E-07	4.59761E-12	2.15168E-14	2.29482E-12	3.57991E-15
765	570919.2	4178566	9.17, 41785	68.70701	17.81326	4.44491	3547.24462	326.79695	1605.72558	1121.59815	123.62419	257.53275	1.46E-08	5.32E-07	7.17E-07	4.51E-12	1.36E-11	1.08E-11	5.34E-15	1.29E-13	7.12E-15	1.414E-13	1.461E-08	5.3157E-07	7.16821E-07	4.61167E-12	2.15826E-14	2.30183E-12	3.59086E-15
766	570959.2	4178326	9.17, 41783	2.08146	12.83514	1.34475	279.67021	252.56813	633.18912	42.32993	97.81035	79.64117	7.4E-09	2.08E-07	3.25E-08	2.28E-12	6.9E-12	5.45E-12	2.7E-15	6.53E-14	3.61E-15	7.16228E-14	7.401E-09	2.0832E-07	3.25474E-08	2.33592E-12	1.09321E-14	1.16593E-12	1.81886E-15
767	570959.2	4178366	9.17, 41783	2.97969	11.80225	1.85212	241.09871	252.07126	954.07883	42.48046	78.75938	136.29698	6.92E-09	2.31E-07	3.71E-08	2.14E-12	6.45E-12	5.09E-12	2.53E-15	6.11E-14	3.37E-15	6.69754E-14	6.921E-09	2.3083E-07	3.70926E-08	2.18435E-12	1.02228E-14	1.09028E-12	1.70084E-15
768	570959.2	4178406	9.17, 41784	5.48321	18.00699	4.34111	312.89849	292.26242	1429.75284	67.10795	111.57482	238.11199	1.07E-08	2.95E-07	6.04E-08	3.31E-12	1E-11	7.9E-12	3.92E-15	9.48E-14	5.23E-15	1.03908E-13	1.074E-08	2.9515E-07	6.0388E-08	3.38889E-12	1.586E-14	1.6915E-12	2.63875E-15
769	570959.2	4178446	9.17, 41784	13.2141	15.9724	27.93872	471.07205	258.82785	2485.7483	129.31081	100.45092	486.63208	1.19E-08	3.69E-07	1.19E-07	3.69E-12	1.11E-11	8.79E-12	4.36E-15	1.05E-13	5.82E-15	1.15564E-13	1.194E-08	3.6941E-07	1.18547E-07	3.76903E-12	1.7639E-14	1.88124E-12	2.93474E-15
770	570959.2	4178486	9.17, 41784	61.20406	15.71053	62.85492	1330.20017	250.50131	2800.83581	539.4281	101.77571	895.66291	1.76E-08	4.44E-07	4.05E-07	5.42E-12	1.64E-11	1.29E-11	6.41E-15	1.55E-13	8.55E-15	1.69892E-13	1.756E-08	4.4352E-07	4.05396E-07	5.54089E-12	2.59314E-14	2.76564E-12	4.31439E-15
771	570959.2	4178526	9.17, 41785	233.18259	14.04006	12.98457	3491.90215	258.73899	2789.84609	1687.05022	110.68808	397.86928	2.35E-08	5.83E-07	1.08E-06	7.26E-12	2.19E-11	1.73E-11	8.59E-15	2.08E-13	1.15E-14	2.27563E-13	2.352E-08	5.8314E-07	1.07903E-06	7.42181E-12	3.47341E-14	3.70446E-12	5.77896E-15
772	570999.2	4178286	9.17, 41782	4.82709	7.01905	1.81527	541.05323	230.67805	782.52024	117.6944	82.70868	130.42004	4.36E-09	2.24E-07	8.33E-08	1.35E-12	4.07E-12	3.21E-12	1.59E-15	3.85E-14	2.13E-15	4.22328E-14	4.364E-09	2.2426E-07	8.33436E-08	1.37739E-12	6.4462E-15	6.87501E-13	1.0725E-15
773	570999.2	4178326	9.17, 41783	3.49216	17.23511	2.06149	334.8047	281.26172	702.77079	73.88295	121.01705	110.07877	1E-08	2.33E-07	5.45E-08	3.09E-12	9.32E-12	7.36E-12	3.65E-15	8.83E-14	4.87E-15	9.67941E-14	1E-08	2.3327E-07	5.45355E-08	3.15687E-12	1.47741E-14	1.57569E-12	2.45808E-15
774	570999.2	4178366	9.17, 41783	3.49499	15.86199	2.88936	258.09779	262.50756	719.40934	51.99585	99.38677	89.92617	9.3E-09	2.19E-07	3.94E-08	2.87E-12	8.67E-12	6.85E-12	3.4E-15	8.21E-14	4.53E-15	9.00079E-14	9.301E-09	2.1928E-07	3.93587E-08	2.93554E-12	1.37383E-14	1.46522E-12	2.28575E-15
775	570999.2	4178406	9.17, 41784	4.67229	14.08019	6.50261	269.25985	258.20089	888.73579	48.54927	90.52886	138.83889	8.66E-09	2.31E-07	4.11E-08	2.67E-12	8.07E-12	6.38E-12	3.17E-15	7.65E-14	4.22E-15	8.38464E-14	8.664E-09	2.3089E-07	4.10615E-08	2.73459E-12	1.27979E-14	1.36492E-12	2.12928E-15
776	570999.2	4178446	9.17, 41784	8.21208	17.59623	13.45709	365.10896	254.50285	1091.31402	80.87758	113.65243	185.77432	1.14E-08	2.51E-07	6.48E-08	3.52E-12	1.06E-11	8.39E-12	4.16E-15	1.01E-13	5.55E-15	1.10281E-13	1.14E-08	2.5077E-07	6.48274E-08	3.59674E-12	1.68327E-14	1.79525E-12	2.80058E-15
777	570999.2	4178486	9.17, 41784	18.06608	14.21786	20.31738	585.19163	263.25351	1140.06137	156.20535	101.07997	297.24229	1.07E-08	2.73E-07	1.2E-07	3.29E-12	9.94E-12	7.85E-12	3.9E-15	9.41E-14	5.2E-15	1.03242E-13	1.067E-08	2.7331E-07	1.20369E-07	3.36717E-12	1.57584E-14	1.68066E-12	2.62183E-15
778	571039.2	4178246	9.17, 41782	16.91212	6.90765	2.82369	857.31055	271.11205	1316.76682	274.95229	93.64332	189.48612	5.14E-09	3.09E-07	1.86E-07	1.59E-12	4.79E-12	3.78E-12	1.88E-15	4.54E-14	2.5E-15	4.97493E-14	5.141E-09	3.0869E-07	1.85652E-07	1.62254E-12	7.59347E-15	8.0986E-13	1.26338E-15
779	571039.2	4178286	9.17, 41782	28.85834	15.10006	3.68614	1240.055	260.3069	1323.38037	549.80999	92.85324	215.01085	1.05E-08	3.27E-07	3.58E-07	3.25E-12	9.81E-12	7.75E-12	3.85E-15	9.29E-14	5.13E-15	1.01927E-13	1.053E-08	3.2724E-07	3.58362E-07	3.32426E-12	1.55575E-14	1.65925E-12	2.58842E-15
780	571039.2	4178326	9.17, 41783	6.67676	17.1171	4.10991	443.85334	276.43557	1246.54946	131.23026	111.87763	155.81868	1.03E-08	2.8E-07	9.37E-08	3.18E-12	9.59E-12	7.58E-12	3.76E-15	9.09E-14	5.02E-15	9.96514E-14	1.03E-08	2.8016E-07	9.3746E-08	3.25006E-12	1.52103E-14	1.62221E-12	2.53064E-15
781	571039.2	4178366	9.17, 41783	4.40971	16.57374	4.87433	310.01939	259.88486	992.68074	73.97776	106.04392	160.75052	9.91E-09	2.43E-07	5.86E-08	3.06E-12	9.24E-12	7.29E-12	3.62E-15	8.75E-14	4.83E-15	9.59184E-14	9.912E-09	2.4256E-07	5.85759E-08	3.12831E-12	1.46405E-14	1.56144E-12	2.43585E-15
782	571039.2	4178406	9.17, 41784	4.40492	15.47088	6.2465	249.62047	251.60574	625.26496	54.55389	95.67705	86.62547	9.4E-09	2.05E-07	4.07E-08	2.9E-12	8.76E-12	6.92E-12	3.44E-15	8.3E-14	4.58E-15	9.10014E-14	9.404E-09	2.0527E-07	4.06881E-08	2.96794E-12	1.389E-14	1.4814E-12	2.31098E-15
783	571039.2	4178446	9.17, 41784	6.02235	17.33371	7.45895	271.18693	258.43077	565.95619	53.34538	113.33058	91.15286	1.06E-08	2.06E-07	4.03E-08	3.28E-12	9.91E-12	7.83E-12	3.89E-15	9.39E-14	5.18E-15	1.0297E-13	1.064E-08	2.0577E-07	4.02933E-08	3.35829E-12	1.57168E-14	1.67623E-12	2.61492E-15
784	571079.2	4178246	9.17, 41782	26.90238	12.76385	4.78342	686.22219	257.40547	1959.72628	294.80616	92.56412	417.67679	9.19E-09	3.41E-07	2.16E-07	2.84E-12	8.56E-12	6.76E-12	3.36E-15	8.11E-14	4.48E-15	8.89512E-14	9.192E-09	3.4081E-07	2.15913E-07	2.90108E-12	1.3577E-14	1.44802E-12	2.25891E-15
785	571079.2	4178286	9.17, 41782	49.90964	15.92317	13.80121	957.6563	283.49226	4117.74908	414.11972	108.09945	689.22522	1.31E-08	5.42E-07	3.11E-07	4.05E-12	1.22E-11	9.65E-12	4.79E-15	1.16E-13	6.39E-15	1.2687E-13	1.311E-08	5.42E-07	3.11351E-07	4.13777E-12	1.93648E-14	2.06529E-12	3.22186E-15
786	571079.2	4178326	9.17, 41783	16.67986	14.36437	14.4793	793.60016	243.70787	3077.685	313.14105	91.11491	664.711	1.02E-08	4.28E-07	2.47E-07	3.15E-12	9.51E-12	7.51E-12	3.73E-15	9.01E-14	4.97E-15	9.87512E-14	1.02E-08	4.2775E-07	2.4671E-07	3.2207E-12	1.50729E-14	1.60755E-12	2.50778E-15
787	571079.2	4178366	9.17, 41783	6.18218	17.09307	7.0902	419.38901	255.0076	1488.27193	110.95083	108.56867	287.95219	1.05E-08	2.86E-07	9.15E-08	3.24E-12	9.77E-12	7.72E-12	3.83E-15	9.25E-14	5.11E-15	1.01487E-13	1.049E-08	2.8565E-07	9.15334E-08	3.30992E-12	1.54904E-14	1.65209E-12	2.57726E-15
788	571079.2	4178406	9.17, 41784	4.42977	14.91	5.35349	310.20505	209.99469	815.89349	72.09993	91.11305	117.58287	9.02E-09	2.01E-07	5.4E-08	2.78E-12	8.41E-12	6.64E-12	3.3E-15	7.96E-14	4.39E-15	8.73076E-14	9.022E-09	2.0083E-07	5.40178E-08	2.84748E-12	1.33262E-14	1.42127E-12	2.21717E-15
789	571119.2	4178286	9.17, 41782	25.0824	15.07438	138.00946	507.91812	256.39153	16734.57469	211.8106	106.96205	4271.60103	2.08E-08	1.49E-06	4.67E-07	6.43E-12	1.94E-11	1.53E-11	7.61E-15	1.84E-13	1.01E-14	2.01628E-13	2.084E-08	1.49E-06	4.67188E-07	6.57597E-12	3.07755E-14	3.28228E-12	5.12035E-15
790	571119.2	4178326	9.17, 41783	197.49067	14.51391	52.98238	3348.29445	230.6601	7805.71053	1622.72219	95.52079	2122.69744	2.47E-08	9.53E-07	1.17E-06	7.62E-12	2.3E-11	1.82E-11	9.02E-15	2.18E-13	1.2E-14	2.38825E-13	2.468E-08	9.5256E-07	1.17461E-06	7.7891E-12	3.6453E-14	3.88779E-12	6.06495E-15
791	571119.2	4178366	9.17, 41783	10.01384	12.46582	9.59129	630.48898	206.62645	2115.5821	198.58486	83.22549	424.70779	8.34E-09	3.21E-07	1.57E-07	2.57E-12	7.77E-12	6.14E-12	3.05E-15	7.36E-14	4.06E-15	8.07236E-14	8.342E-09	3.212E-07	1.56705E-07	2.63274E-12	1.23212E-14	1.31409E-12	2.04997E-15
792	571159.2	4178326	9.17, 41783	219.15803	19.05137	35.48029	3124.9508	277.70648	3646.5914	1560.39264	128.55095	753.34584	2.72E-08	6.38E-07	1.03E-06	8.39E-12	2.53E-11	2E-11	9.94E-15	2.4E-13	1.32E-14	2.63208E-13	2.72E-08	6.3798E-07	1.0283E-06	8.58434E-12	4.01747E-14	4.28472E-12	6.68416E-15
793	570808.8	4178465	8.82, 41784	10.95844	3.34212	2.15804	1253.90468	193.66587	956.23037	302.59047	56.7134	159.37173	2.72E-09	2.62E-07	2E-07	8.41E-13	2.54E-12	2E-12	9.95E-16	2.4E-14	1.33E-15	2.63608E-14	2.724E-09	2.6206E-07	2.00451E-07	8.5974E-13	4.02358E-15	4.29124E-13	6.69433E-16
794	570823.9	4178530	3.91, 41785	3.05561	3.25593	2.40542	358.64643	197.99385	1108.94733	70.39413	63.38636	140.39269	2.2E-09	2.2E-07	5.48E-08	6.78E-13	2.05E-12	1.62E-12	8.03E-16	1.94E-14	1.07E-15	2.1276E-14	2.199E-09	2.202E-07	5.47507E-08	6.93901E-13	3.24746E-15	3.46348E-13	5.40303E-16
795	570883.3	4178602	3.31, 41786	3.07425	4.49746	2.05933	479.66242	287.53386	914.81532	94.76169	103.00469	119.05382	2.87E-09	2.63E-07	6.82E-08	8.84E-13	2.67E-12	2.11E-12	1.05E-15	2.53E-14	1.4E-15	2.77308E-14	2.866E-09	2.6254E-07	6.82078E-08	9.04419E-13	4.23268E-15	4.51425E-13	7.04222E-16
796	571181.5	4178310	1.45, 41783	77.30582	13.12592	35.80897	2585.53888	242.23364	1672.90767	872.95261	114.20023	513.62427	1.5E-08	4.29E-07	5.83E-07	4.63E-12	1.4E-11	1.1E-11	5.48E-15	1.32E-13	7.31E-15	1.45159E-13	1.5E-08	4.2919E-07	5.82518E-07	4.73426E-12	2.21564E-14	2.36302E-12	3.68632E-15
797	571067.8	4178207	7.83, 41782	5.36607	4.9243	1.64986	895.65181	299.02694	904.65641	223.56067	96.05921	144.20823	3.22E-09	2.94E-07	1.5E-07	9.92E-13	3E-12	2.37E-12	1.17E-15	2.84E-14	1.57E-15	3.11193E-14	3.216E-09	2.943E-07	1.50177E-07	1.01493E-12	4.74989E-15	5.06586E-13	7.90274E-16
798	570799.9	4178447	9.89, 41784	4.88888	2.78293	1.75814	732.83791	152.28075	768.58836	142.77112	52.0733	124.31973	2E-09	1.91E-07	9.84E-08	6.17E-13	1.86E-12	1.47E-12	7.3E-16	1.76E-14	9.74E-16	1.93439E-14	1.999E-09	1.9146E-07	9.84386E-08	6.30888E-13	2.95255E-15	3.14896E-13	4.91238E-16

	Trenching	Grading	Stockpile
Emissions Rate (g/s):	9.86E-12	8.75E-11	1.23E-11

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	4.1	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	4.1	10	2	70	0.85
2<9	861	1	0.854795	0.000001	4.1	3	0.55	70	0.72
Student	640	1	0.493151	0.000001	4.1	3	2.8	70	1
Worker	230	1	0.684932	0.000001	4.1	1	2.8	70	1

Dibenz(a,h)anthracene

	Chronic (Annu	Acute (1hr)	8hr
REL:	1	1	1

				Concentration [µg/m^3] at 1 g/s									Concentration (µg/m^3) Unmitigated			Unmitigated Residential Dose			Risk by Age Group				Unmitigated			Student Unmitigated		Worker Unmitigated	
#	X	Y	X,Y	Trenching Period	Grading Period	Stockpile Period	Treching 1hr	Grading 1hr	Stockpile 1hr	Trenching 8hr	Grading 8hr	Stockpile 8hr	Period Total	1hr Total	8hr Total	3rd	0<2	2<9	3rd	0<2	2<9	Total Risk	Chronic	Acute	8hr	Dose	Risk	Dose	Risk
1	570310.6	4177919	0.55, 41779	0.08215	0.06425	0.08047	53.98877	25.74637	57.86027	6.7486	3.78109	7.23253	7.42E-12	3.5E-09	7.46E-10	2.29E-15	6.92E-15	5.46E-15	2.85E-16	6.89E-15	3.8E-16	7.5528E-15	7.424E-12	3.4981E-09	7.46233E-10	2.34313E-15	1.15282E-15	1.16953E-15	1.91803E-16
2	570350.6	4177919	0.55, 41779	0.08744	0.06946	0.0859	61.34869	26.43683	62.74615	7.66859	3.66465	7.84327	8E-12	3.69E-09	8.43E-10	2.47E-15	7.45E-15	5.89E-15	3.07E-16	7.42E-15	4.1E-16	8.13777E-15	7.999E-12	3.6913E-09	8.43339E-10	2.52461E-15	1.24211E-15	1.26011E-15	2.06658E-16
3	570390.6	4177919	0.55, 41779	0.09273	0.07514	0.09126	67.57642	27.23616	68.95787	8.44705	3.80844	8.61973	8.61E-12	3.9E-09	9.29E-10	2.66E-15	8.03E-15	6.34E-15	3.31E-16	7.99E-15	4.41E-16	8.76372E-15	8.614E-12	3.8992E-09	9.28706E-10	2.7188E-15	1.33765E-15	1.35704E-15	2.22554E-16
4	570430.6	4177919	0.55, 41779	0.09799	0.08123	0.09661	71.34976	28.07066	72.35504	8.91872	4.01428	9.04438	9.26E-12	4.05E-09	9.8E-10	2.86E-15	8.63E-15	6.82E-15	3.56E-16	8.6E-15	4.74E-16	9.42574E-15	9.265E-12	4.0512E-09	9.79866E-10	2.92418E-15	1.4387E-15	1.45955E-15	2.39366E-16
5	570470.6	4177919	0.55, 41779	0.10292	0.08757	0.10182	71.34124	28.88227	71.18869	8.91766	4.18506	8.89859	9.93E-12	4.11E-09	9.78E-10	3.07E-15	9.25E-15	7.31E-15	3.81E-16	9.21E-15	5.09E-16	1.0105E-14	9.933E-12	4.1078E-09	9.77966E-10	3.1349E-15	1.54237E-15	1.56473E-15	2.56615E-16
6	570510.6	4177919	0.55, 41779	0.10719	0.09397	0.10631	70.57748	29.51269	72.86498	8.82218	4.31581	9.10812	1.06E-11	4.18E-09	9.71E-10	3.27E-15	9.87E-15	7.79E-15	4.07E-16	9.82E-15	5.42E-16	1.07739E-14	1.059E-11	4.1761E-09	9.7125E-10	3.34242E-15	1.64447E-15	1.66831E-15	2.73602E-16
7	570550.6	4177919	0.55, 41779	0.11095	0.10041	0.10942	80.02506	30.00614	83.29269	10.00313	4.88273	10.41159	1.12E-11	4.44E-09	1.1E-09	3.47E-15	1.05E-14	8.26E-15	4.31E-16	1.04E-14	5.75E-16	1.14239E-14	1.123E-11	4.4409E-09	1.1023E-09	3.54409E-15	1.74369E-15	1.76897E-15	2.90111E-16
8	570590.6	4177919	0.55, 41779	0.11537	0.10684	0.11183	81.14556	31.22548	84.40479	10.14319	5.49199	10.5506	1.19E-11	4.57E-09	1.12E-09	3.66E-15	1.11E-14	8.73E-15	4.56E-16	1.1E-14	6.08E-16	1.2071E-14	1.187E-11	4.5723E-09	1.11765E-09	3.74482E-15	1.84245E-15	1.86916E-15	3.06542E-16
9	570630.6	4177919	0.55, 41779	0.12154	0.11343	0.11602	82.02682	32.76834	84.97635	10.54682	6.07261	10.62204	1.26E-11	4.72E-09	1.16E-09	3.87E-15	1.17E-14	9.24E-15	4.82E-16	1.16E-14	6.43E-16	1.27721E-14	1.255E-11	4.7231E-09	1.15783E-09	3.96233E-15	1.94947E-15	1.97773E-15	3.24347E-16
10	570670.6	4177919	0.55, 41779	0.12896	0.11974	0.12346	90.28793	34.09351	94.2666	12.11861	6.60764	13.84836	1.33E-11	5.03E-09	1.35E-09	4.1E-15	1.24E-14	9.77E-15	5.1E-16	1.23E-14	6.8E-16	1.35016E-14	1.327E-11	5.0349E-09	1.35063E-09	4.18864E-15	2.06081E-15	2.09068E-15	3.42872E-16
11	570710.6	4177919	0.55, 41779	0.13589	0.12543	0.13131	92.03158	38.34133	98.54944	11.50395	7.03486	13.72911	1.39E-11	5.48E-09	1.29E-09	4.3E-15	1.3E-14	1.03E-14	5.35E-16	1.29E-14	7.14E-16	1.41761E-14	1.393E-11	5.4766E-09	1.28931E-09	4.39788E-15	2.16376E-15	2.19512E-15	3.6E-16
12	570750.6	4177919	0.55, 41779	0.14097	0.13029	0.13561	98.93292	42.68075	106.54938	12.36662	7.25038	14.15663	1.45E-11	6.02E-09	1.38E-09	4.46E-15	1.35E-14	1.06E-14	5.55E-16	1.34E-14	7.41E-16	1.47136E-14	1.446E-11	6.023E-09	1.37858E-09	4.56465E-15	2.24581E-15	2.27836E-15	3.73651E-16
13	570790.6	4177919	0.55, 41779	0.1434	0.13429	0.137	101.78306	44.96916	112.12821	12.72288	7.16867	14.01603	1.49E-11	6.32E-09	1.41E-09	4.58E-15	1.38E-14	1.09E-14	5.7E-16	1.38E-14	7.61E-16	1.51115E-14	1.485E-11	6.3201E-09	1.41154E-09	4.6881E-15	2.30654E-15	2.33998E-15	3.83757E-16
14	570830.6	4177919	0.55, 41779	0.14249	0.1373	0.1371	103.05806	46.92439	113.14313	12.88226	6.63254	14.14289	1.51E-11	6.52E-09	1.43E-09	4.66E-15	1.41E-14	1.11E-14	5.8E-16	1.4E-14	7.74E-16	1.53717E-14	1.511E-11	6.5162E-09	1.42862E-09	4.7688E-15	2.34625E-15	2.38026E-15	3.90363E-16
15	570870.6	4177919	0.55, 41779	0.13915	0.13926	0.13269	113.81753	49.41272	127.10432	14.22719	6.17659	15.88804	1.52E-11	7.01E-09	1.58E-09	4.69E-15	1.42E-14	1.12E-14	5.84E-16	1.41E-14	7.78E-16	1.54574E-14	1.519E-11	7.012E-09	1.58108E-09	4.7954E-15	2.35934E-15	2.39354E-15	3.9254E-16
16	570910.6	4177919	0.55, 41779	0.13537	0.14116	0.12571	103.09741	52.00284	118.27061	16.13684	6.50036	14.78383	1.52E-11	7.02E-09	1.75E-09	4.7E-15	1.42E-14	1.12E-14	5.85E-16	1.41E-14	7.8E-16	1.55012E-14	1.524E-11	7.0243E-09	1.75342E-09	4.80899E-15	2.36602E-15	2.40032E-15	3.93652E-16
17	570950.6	4177919	0.55, 41779	0.13129	0.14261	0.12523	128.63222	54.75687	154.09416	19.7206	7.6051	23.34348	1.53E-11	7.96E-09	2.21E-09	4.73E-15	1.43E-14	1.13E-14	5.88E-16	1.42E-14	7.84E-16	1.55834E-14	1.532E-11	7.9583E-09	2.20784E-09	4.83448E-15	2.37857E-15	2.41304E-15	3.95739E-16
18	570990.6	4177919	0.55, 41779	0.12715	0.1442	0.12572	126.51514	58.01026	163.29109	18.07359	9.36612	23.3273	1.54E-11	8.34E-09	2.05E-09	4.76E-15	1.44E-14	1.14E-14	5.92E-16	1.43E-14	7.9E-16	1.56896E-14	1.542E-11	8.3354E-09	2.04726E-09	4.86743E-15	2.39478E-15	2.42949E-15	3.98436E-16
19	571030.6	4177919	0.55, 41779	0.12254	0.14609	0.11762	125.39004	62.99788	174.41478	17.19472	10.49965	21.80185	1.54E-11	8.9E-09	1.94E-09	4.77E-15	1.44E-14	1.14E-14	5.93E-16	1.43E-14	7.91E-16	1.57101E-14	1.544E-11	8.8979E-09	1.94289E-09	4.8738E-15	2.39791E-15	2.43267E-15	3.98958E-16
20	571070.6	4177919	0.55, 41779	0.1201	0.14847	0.1104	126.80092	67.58831	177.9713	16.22667	10.87469	22.24641	1.55E-11	9.36E-09	1.85E-09	4.79E-15	1.45E-14	1.14E-14	5.97E-16	1.44E-14	7.96E-16	1.58071E-14	1.554E-11	9.3573E-09	1.8541E-09	4.90388E-15	2.41271E-15	2.44768E-15	4.0142E-16
21	571110.6	4177919	0.55, 41779	0.1205	0.15044	0.10927	126.62476	68.47754	165.66905	20.2586	9.61445	20.70863	1.57E-11	9.28E-09	2.23E-09	4.84E-15	1.46E-14	1.16E-14	6.03E-16	1.46E-14	8.04E-16	1.59723E-14	1.57E-11	9.2819E-09	2.22776E-09	4.95515E-15	2.43793E-15	2.47327E-15	4.05617E-16
22	571150.6	4177919	0.55, 41779	0.1212	0.15159	0.11602	131.66409	62.22893	172.39569	21.10658	9.19459	24.99313	1.59E-11	8.87E-09	2.36E-09	4.9E-15	1.48E-14	1.17E-14	6.1E-16	1.47E-14	8.14E-16	1.61663E-14	1.589E-11	8.8675E-09	2.36312E-09	5.01533E-15	2.46754E-15	2.50331E-15	4.10543E-16
23	571190.6	4177919	0.55, 41779	0.12215	0.15198	0.11825	137.85581	66.48698	180.99172	19.69369	10.25241	26.94632	1.6E-11	9.41E-09	2.25E-09	4.93E-15	1.49E-14	1.17E-14	6.13E-16	1.48E-14	8.17E-16	1.62385E-14	1.596E-11	9.4071E-09	2.2496E-09	5.03773E-15	2.47856E-15	2.51449E-15	4.12377E-16
24	571230.6	4177919	0.55, 41779	0.12354	0.15154	0.11348	148.65332	75.08948	179.38421	21.23619	9.50538	22.42303	1.59E-11	1.02E-08	2.34E-09	4.9E-15	1.48E-14	1.17E-14	6.1E-16	1.47E-14	8.13E-16	1.61535E-14	1.588E-11	1.0247E-08	2.34407E-09	5.01136E-15	2.46559E-15	2.50133E-15	4.10218E-16
25	571270.6	4177919	0.55, 41779	0.12544	0.15047	0.11372	135.01221	73.55453	181.97135	18.66937	9.80753	25.99591	1.58E-11	1E-08	2.14E-09	4.88E-15	1.47E-14	1.16E-14	6.07E-16	1.47E-14	8.09E-16	1.60803E-14	1.581E-11	1.001E-08	2.13815E-09	4.98864E-15	2.45441E-15	2.48999E-15	4.08359E-16
26	571310.6	4177919	0.55, 41779	0.12844	0.14895	0.1185	144.25948	74.57026	160.72945	18.03243	9.63087	20.79832	1.58E-11	9.93E-09	2.01E-09	4.86E-15	1.47E-14	1.16E-14	6.05E-16	1.46E-14	8.07E-16	1.60349E-14	1.576E-11	9.928E-09	2.0121E-09	4.97457E-15	2.44749E-15	2.48297E-15	4.07207E-16
27	571350.6	4177919	0.55, 41779	0.13264	0.1484	0.12186	134.13439	65.82548	182.86761	16.7668	8.49886	22.85845	1.58E-11	9.34E-09	1.91E-09	4.87E-15	1.47E-14	1.16E-14	6.07E-16	1.47E-14	8.09E-16	1.60702E-14	1.58E-11	9.3357E-09	1.91424E-09	4.98551E-15	2.45287E-15	2.48843E-15	4.08102E-16
28	571390.6	4177919	0.55, 41779	0.13487	0.1464	0.12015	140.45529	51.40311	177.22554	17.55691	7.98518	22.15319	1.56E-11	8.07E-09	1.98E-09	4.82E-15	1.46E-14	1.15E-14	6E-16	1.45E-14	8E-16	1.5893E-14	1.562E-11	8.0662E-09	1.98249E-09	4.93055E-15	2.42583E-15	2.461E-15	4.03604E-16
29	571430.6	4177919	0.55, 41779	0.14548	0.15293	0.12366	139.19794	49.3636	190.22803	17.39974	7.65374	23.7785	1.63E-11	8.04E-09	1.99E-09	5.04E-15	1.52E-14	1.2E-14	6.28E-16	1.52E-14	8.37E-16	1.66248E-14	1.634E-11	8.0355E-09	1.9872E-09	5.15758E-15	2.53753E-15	2.57431E-15	4.22187E-16
30	571470.6	4177919	0.55, 41779	0.15916	0.16179	0.13045	134.87595	45.89373	190.37308	16.85949	6.86379	23.79664	1.73E-11	7.69E-09	1.93E-09	5.35E-15	1.62E-14	1.28E-14	6.66E-16	1.61E-14	8.88E-16	1.7636E-14	1.734E-11	7.691E-09	1.93482E-09	5.47126E-15	2.69186E-15	2.73088E-15	4.47865E-16
31	571510.6	4177919	0.55, 41779	0.17426	0.17151	0.14116	122.2315	42.4201	161.48029	15.27894	5.85942	20.18504	1.85E-11	6.91E-09	1.74E-09	5.7E-15	1.72E-14	1.36E-14	7.09E-16	1.71E-14	9.46E-16	1.8787E-14	1.847E-11	6.9065E-09	1.73643E-09	5.82836E-15	2.86755E-15	2.90912E-15	4.77096E-16
32	571550.6	4177919	0.55, 41779	0.18787	0.18026	0.15558	112.99449	35.73716	155.78517	14.12431	5.76206	19.47315	1.95E-11	6.16E-09	1.62E-09	6.03E-15	1.82E-14	1.44E-14	7.51E-16	1.81E-14	1E-15	1.98833E-14	1.954E-11	6.1604E-09	1.61523E-09	6.16845E-15	3.03488E-15	3.07887E-15	5.04935E-16
33	571590.6	4177919	0.55, 41779	0.19949	0.18751	0.17419	94.68734	29.26563	123.69427	11.83592	5.30509	15.46178	2.05E-11	5.02E-09	1.34E-09	6.33E-15	1.91E-14	1.51E-14	7.88E-16	1.9E-14	1.05E-15	2.08785E-14	2.052E-11	5.0183E-09	1.34298E-09	6.47722E-15	3.18679E-15	3.23299E-15	5.3021E-16
34	570310.6	4177959	0.55, 41779	0.08597	0.06676	0.0838	56.89619	26.25101	62.23098	7.11202	4.18522	7.77887	7.72E-12	3.62E-09	7.88E-10	2.38E-15	7.2E-15	5.68E-15	2.97E-16	7.16E-15	3.95E-16	7.85632E-15	7.722E-12	3.6248E-09	7.88351E-10	2.43729E-15	1.19915E-15	1.21653E-15	1.99511E-16
35	570350.6	4177959	0.55, 41779	0.09204	0.07257	0.08995	58.96006	27.16756	63.77509	7.37001	4.19821	7.97189	8.37E-12	3.74E-09	8.16E-10	2.58E-15	7.8E-15	6.16E-15	3.21E-16	7.76E-15	4.28E-16	8.51156E-15	8.366E-12	3.7444E-09	8.1585E-10	2.64057E-15	1.29916E-15	1.31799E-15	2.16151E-16
36	570390.6	4177959	0.55, 41779	0.09833	0.07904	0.09639	63.0038	28.02201	66.12463	7.87548	4.15896	8.26558	9.07E-12	3.89E-09	8.69E-10	2.8E-15	8.45E-15	6.68E-15	3.49E-16	8.42E-15	4.65E-16	9.2314E-15	9.074E-12	3.888E-09	8.68688E-10	2.86389E-15	1.40903E-15	1.42946E-15	2.34431E-16
37	570430.6	4177959	0.55, 41779	0.10461	0.08611	0.10266	70.72142	28.76698	72.80329	8.84018	4.23038	9.10041	9.83E-12	4.11E-09	9.73E-10	3.03E-15	9.16E-15	7.24E-15	3.78E-16	9.12E-15	5.04E-16	1.00024E-14	9.832E-12	4.1115E-09	9.72908E-10	3.10309E-15	1.52672E-15	1.54885E-15	2.54012E-16
38	570470.6	4177959	0.55, 41779	0.11098	0.09385	0.10929	78.78718	29.82596	80.74124	9.8484	4.47695	10.09265	1.07E-11	4.38E-09	1.08E-09	3.29E-15	9.93E-15	7.84E-15	4.09E-16	9.88E-15	5.46E-16	1.08385E-14	1.065E-11	4.3815E-09	1.08331E-09	3.36248E-15	1.65434E-15	1.67832E-15	2.75244E-16
39	570510.6	4177959	0.55, 41779	0.1169	0.10189	0.11567	83.26174	30.87615	84.48278	10.40772	4.70339	10.56035	1.15E-11	4.56E-09	1.14E-09	3.55E-15	1.07E-14	8.46E-15	4.41E-16	1.07E-14	5.89E-16	1.16937E-14	1.149E-11	4.5636E-09	1.14353E-09	3.62778E-15	1.78487E-15	1.81074E-15	2.96961E-16
40	570550.6	4177959	0.55, 41779	0.12213	0.11	0.12099	82.46075	31.83495	82.01237	10.30759	4.9071	10.25155	1.23E-11	4.61E-09	1.13E-09	3.8E-15	1.15E-14	9.07E-15	4.73E-16	1.14E-14	6.31E-16	1.25349E-14	1.232E-11	4.6091E-09	1.12998E-09	3.88875E-15	1.91326E-15	1.941E-15	3.18324E-16
41	570590.6	4177959	0.55, 41779	0.1275	0.1185	0.12492	87.61849	32.53805	91.54904	10.95231	5.6614	11.44363	1.32E-11	4.84E-09	1.21E-09	4.06E-15	1.23E-14	9.69E-15	5.06E-16	1.22E-14	6.74E-16	1.33948E-14	1.317E-11	4.839E-09	1.20744E-09	4.15552E-15	2.04452E-15	2.07415E-15	3.40161E-16
42	570630.6	4177959	0.55, 41779	0.13429	0.12721	0.12893	94.25098	33.95012	99.61773	11.78137	6.34882	12.45222	1.4E-11	5.13E-09	1.3E-09	4.33E-15	1.31E-14	1.03E-14	5.39E-16	1.3E-14	7.19E-16	1.42887E-14	1.404E-11	5.1273E-09	1.30059E-09	4.43282E-15	2.18095E-15	2.21256E-15	3.6286E-16
43	570670.6	4177959	0.55, 41779	0.1434	0.13582	0.13624	91.47953	35.4429	96.20253	12.89467	6.97952	13.63762	1.5E-11	5.19E-09	1.42E-09	4.62E-15	1.4E-14	1.1E-14	5.75E-16	1.39E-14	7.67E-16	1.52382E-14	1.498E-11	5.1886E-09	1.4236E-09	4.72741E-15	2.32588E-15	2.3596E-15	3.86974E-16
44	570710.6	4177959	0.55, 41779	0.15342	0.14402	0.1467	103.54122	38.62398	108.53691	12.94265	7.57754	15.98544	1.59E-11	5.74E-09	1.46E-09	4.91E-15	1.48E-14	1.17E-14	6.12E-16	1.48E-14	8.15E-16	1.61999E-14	1.592E-11	5.7378E-09	1.4572E-09	5.02574E-15	2.47267E-15	2.50851E-15	4.11396E-16
45	570750.6	4177959	0.55, 41779	0.16261	0.1515	0.15549	105.52732	44.38977	114.23814	13.19092	8.09206	15.7724	1.68E-11	6.33E-09	1.48E-09	5.18E-15	1.56E-14	1.23E-14	6.44E-16	1.56E-14	8.59E-16	1.70682E-14	1.678E-11	6.3322E-09	1.47875E-09	5.29512E-15	2.6052E-15	2.64296E-15	4.33446E-16
46	570790.6	4177959	0.55, 41779	0.16989	0.15823	0.16076	113.60479	47.24143	124.57926	14.2006	8.3928	15.57241	1.75E-11	6.79E-09	1.57E-09	5.4E-15	1.63E-14	1.29E-14	6.72E-16	1.62E-14	8.96E-16	1.78064E-14	1.75E-11	6.7888E-09	1.5746E-09	5.52415E-15	2.71788E-15	2.75728E-15	4.52194E-16
47	570830.6	4177959	0.55, 41779	0.1738	0.16401	0.16481	115.20896	49.45722	130.36471	14.40112	8.28774	16.29559	1.81E-11	7.07E-09	1.6E-09	5.58E-15	1.69E-14	1.33E-14	6.95E-16	1.68E-14	9.27E-16	1.8411E-14	1.81E-11	7.0698E-09	1.60303E-09	5.71172E-15	2.81017E-15	2.8509E-15	4.67548E-16
48	570870.6	4177959	0.55, 41779	0.17339	0.16851	0.16469	122.33209	52.01335	138.82114	15.29151	7.46689	17.35264	1.85E-11	7.47E-09	1.7E-09	5.7E-15	1.72E-14	1.36E-14	7.1E-16	1.71E-14	9.47E-16	1.88061E-14	1.849E-11	7.4679E-09	1.70276E-09	5.83428E-15	2.87046E-15	2.91207E-15	4.7758E-16
49	570910.6	4177959	0.55, 41779	0.16973	0.17204	0.1579	128.70888	55.67631	149.19916	16.08861	6.95954	18.64989	1.87E-11	7.98E-09	1.8E-09	5.76E-15	1.74E-14	1.37E-14	7.17E-16	1.73E-14	9.56E-16	1.89986E-14	1.867E-11	7.9792E-09	1.79635E-09	5.894E-15	2.89985E-15	2.94188E-15	4.82469E-16
50	570950.6	4177959	0.55, 41779	0.16375	0.1746	0.15354	137.78687	58.35606	146.62449	21.41966	8.40086	22.62642	1.88E-11	8.27E-09	2.36E-09	5.8E-15	1.75E-14	1.38E-14	7.22E-16	1.74E-14	9.62E-16	1.91119E-14	1.879E-11	8.2715E-09	2.36444E-09	5.92916E-15	2.91714E-15	2.95943E-15	4.85347E-16
51	570990.6	4177959	0.55, 41779	0.1571	0.17611	0.15296	148.41379	62.43724	189.01685	21.20197	10.20575	28.13097	1.88E-11	9.26E-09	2.41E-09	5.82E-15	1.76E-14	1.39E-14	7.24E-16	1.75E-14	9.65E-16	1.91724E-14	1.885E-11	9.2556E-09	2.41106E-09	5.94792E-15	2.92638E-15	2.9688E-15	4.86883E-16
52	571030.6	4177959	0.55, 41779	0.15135	0.1787	0.14372	141.29712	68.4386	198.29024	19.05284	11.40643	25.9054	1.89E-11	9.82E-09	2.17E-09	5.83E-15	1.76E-14	1.39E-14	7.26E-16	1.75E-14	9.68E-16	1.92296E-14	1.89E-11	9.8249E-09	2.17437E-09	5.96565E-15	2.9351E-15	2.97765E-15	4.88334E-16
53	571070.6	4177959	0.55, 41779	0.14838	0.1815	0.13361	143.49488	74.36914	202.29359	18.79197	11.80682	25.2867	1.9E-11	1.04E-08	2.14E-09	5.86E-15	1.77E-14	1.4E-14	7.29E-16	1.76E-14	9.73E-16	1.93224E-14	1.899E-11	1.0415E-08	2.14135E-09	5.99445E-15	2.94927E-15	2.99202E-15	4.90691E-16
54	571110.6	4177959	0.55, 41779	0.14858	0.18375	0.13332	140.62761	73.34522	192.64407	22.74237	10.22286	24.08051	1.92E-11	1.02E-08	2.51E-09	5.92E-15	1.79E-14	1.41E-14	7.37E-16	1.78E-14	9.83E-16	1.95211E-14	1.919E-11	1.0178E-08	2.51115E-09	6.05609E-15	2.9796E-15	3.02279E-15	4.95737E-16
55	571150.6	4177959	0.55, 41779	0.14994	0.18566	0.14292	146.3467	67.83983	199.40983	22.92053	11.48399	30.37919	1.95E-11	9.84E-09	2.61E-09	6.01E-15	1.82E-14	1.43E-14	7.48E-16	1.81E-14	9.98E-16	1.98251E-14	1.949E-11	9.8361E-09	2.6061E-09	6.15041E-15	3.026E-15	3.06986E-15	5.03458E-16
56	571190.6	4177959	0.55, 41779	0.1525	0.18616	0.14359	161.89014	78.97315	204.49698	23.12716	11.84075	29.21385	1.96E-11	1.1E-08	2.61E-09	6.04E-15	1.82E-14	1.44E-14	7.51E-16	1.82E-14	1E-15	1.99037E-14	1.956E-11	1.1026E-08	2.61186E-09	6.17479E-15	3.03799E-15	3.08203E-15	5.05453E-16
57	571230.6	4177959	0.55, 41779	0.15542	0.18516	0.1383	156.07845	81.92899	197.17574	22.29692	11.22006	24.64697	1.94E-11	1.11E-08	2.47E-09	6E-15	1.81E-14	1.43E-14	7.47E-16	1.8E-14	9.96E-16	1.97776E-14	1.944E-11	1.1138E-08	2.47476E-09	6.13568E-15	3.01875E-15	3.06251E-15	5.02252E-16
58	571270.6	4177959	0.55, 41779	0.15909	0.18379	0.14205	158.42767	82.70179	205.30007	19.80346	11.54254	29.32858	1.94E-11	1.13E-08	2.29E-09	5.99E-15	1.81E-14	1.43E-14	7.45E-16	1.8E-14	9.94E-16	1.97394E-14	1.94E-11	1.1328E-08	2.28964E-09	6.12383E-15	3.01293E-15	3.0566E-15	5.01282E-16
59	571310.6	4177959	0.55, 41779	0.1655	0.18382	0.1484	150.26158	75.50789	204.0765	18.7827	10.48328	25.50956	1.95E-11	1.06E-08	2.14E-09	6.03E-15	1.82E-14	1.44E-14	7.51E-16	1.81E-14	1E-15	1.9886E-14	1.955E-11	1.0603E-08	2.14319E-09	6.16929E-15	3.03529E-15	3.07929E-15	5.05003E-16
60	571350.6	4177959	0.55, 41779	0.17654	0.1881	0.15257	154.82597	60.83045	189.56737	19.35325	9.71095	23.69592	2.01E-11	9.18E-09	2.18E-09	6.2E-15	1.87E-14	1.48E-14	7.71E-16	1.86E-14	1.03E-15	2.043E-14	2.008E-11	9.185E-09	2.17641E-09	6.33807E-15	3.11833E-15	3.16353E-15	5.18819E-16
61	571390.6	4177959	0.55, 41779	0.18842	0.1934	0.15428	152.92189	54.55359	214.59873	19.11524	9.16318	26.82484	2.07E-11	8.93E-09	2.19E-09	6.38E-15	1.93E-14	1.52E-14	7.94E-16	1.92E-14	1.06E-15	2.10424E-14	2.068E-11	8.9252E-09	2.19178E-09	6.52806E-15	3.21181E-15	3.25837E-15	5.34372E-16
62	571430.6	4177959	0.55, 41779	0.20645	0.20414	0.16292	148.33328	50.38722	217.66749	18.54166	8.09078	27.20844	2.19E-11	8.55E-09	2.14E-09	6.76E-15	2.04E-14	1.61E-14	8.41E-16	2.03E-14	1.12E-15	2.22877E-14	2.191E-11	8.5532E-09	2.14065E-09	6.9144E-15	3.40189E-15	3.4512E-15	5.65997E-16
63	571470.6	4177959	0.55, 41779	0.22554	0.21577	0.17809	134.13897	46.24246	185.84967	16.76737	6.92684	23.23121	2.33E-11	7.66E-09	1.92E-09	7.19E-15	2.17E-14	1.71E-14	8.95E-16	2.16E-14	1.19E-15	2.37048E-14	2.33E-11	7.6586E-09	1.91889E-09	7.35401E-15	3.61817E-15	3.67062E-15	6.01982E-16
64	571510.6	4177959	0.55, 41779	0.24332	0.22654	0.20114	122.33786	38.55117	174.21255	15.29223	6.75463	21.77657	2.47E-11	6.73E-09	1.76E-09	7.62E-15	2.3E-14	1.82E-14	9.49E-16	2.29E-14	1.27E-15	2.51309E-14	2.47E-11	6.7258E-09	1.75733E-09	7.79643E-15	3.83584E-15	3.89145E-15	6.38197E-16
65	571550.6	4177959	0.55, 41779	0.25539	0.23344	0.22684	100.38932	31.1899	131.18831	12.54867	6.13877	16.39854	2.57E-11	5.34E-09	1.42E-09	7.94E-15	2.4E-14	1.89E-14	9.89E-16	2.39E-14	1.32E-15	2.61883E-14	2.574E-11	5.3352E-09	1.42392E-09	8.12449E-15	3.99725E-15	4.05519E-15	6.65052E-16
66	571590.6	4177959	0.55, 41779	0.26174	0.2364	0.25018	103.20811	24.1035	113.64553	12.90101	5.55119	14.20569	2.64E-11	4.53E-09	1.43E-09	8.13E-15	2.46E-14	1.94E-14	1.01E-15	2.44E-14	1.35E-15	2.68081E-14	2.635E-11	4.5267E-09	1.43122E-09	8.31675E-15	4.09184E-15	4.15116E-15	6.8079E-16
67	570310.6	4177999	0.55, 41779	0.08992	0.06909	0.08739	61.55411	26.71644	63.33313	7.69426	4.42886	7.91664	8.01E-12	3.73E-09	8.47E-10	2.47E-15	7.46E-15	5.89E-15	3.08E-16	7.43E-15	4.1E-16	8.14837E-15	8.009E-12	3.725E-09	8.46743E-10	2.5279E-15	1.24372E-15	1.26175E-15	2.06928E-16
68	570350.6	4177999	0.55, 41779	0.09687	0.07551	0.09431	63.16088	27.72336	68.96816	7.89511	4.52605	8.62102	8.73E-12	3.9E-09	8.75E-10	2.69E-15	8.13E-15	6.42E-15	3.35E-16	8.09E-15	4.47E-16	8.8764E-15	8.725E-12	3.8984E-09	8.74978E-10	2.75375E-15	1.35485E-15	1.37449E-15	2.25416E-16
69	570390.6	4177999	0.55, 41779	0.10411	0.08268	0.10154	65.18315	28.66629	70.59128	8.14789	4.5901	8.82391	9.51E-12	4.02E-09	9.02E-10	2.94E-15	8.86E-15	7E-15	3.65E-16	8.83E-15	4.87E-16	9.67799E-15	9.513E-12	4.0209E-09	9.02091E-10	3.00244E-15	1.4772E-15	1.49861E-15	2.45772E-16
70	570430.6	4177999	0.55, 41779	0.11178	0.0909	0.10932	69.77828	29.77159	73.90272	8.72229	4.64595	9.23784	1.04E-11	4.2E-09	9.63E-10	3.21E-15	9.69E-15	7.66E-15	4E-16	9.65E-15	5.33E-16	1.05843E-14	1.04E-11	4.2037E-09	9.63122E-10	3.2836E-15	1.61553E-15	1.63895E-15	2.68788E-16
71	570470.6	4177999	0.55, 41779	0.11947	0.09994	0.11702	73.23749	30.82615	79.61188	9.15469	4.70414	9.95148	1.14E-11	4.4E-09	1.01E-09	3.51E-15	1.06E-14	8.36E-15	4.37E-16	1.05E-14	5.82E-16	1.15628E-14	1.137E-11	4.4004E-09	1.01402E-09	3.58716E-15	1.76488E-15	1.79047E-15	2.93636E-16
72	570510.6	4177999	0.55, 41779	0.12689	0.1096	0.1248	83.36058	31.87471	86.19643	10.42007	5.00665	10.77455	1.24E-11	4.67E-09	1.15E-09	3.82E-15	1.15E-14	9.11E-15	4.75E-16	1.15E-14	6.34E-16	1.25948E-14	1.238E-11	4.673E-09	1.14737E-09	3.90732E-15	1.9224E-15	1.95027E-15	3.19844E-16
73	570550.6	4177999	0.55, 41779	0.1338	0.11968	0.13227	93.92369	33.13511	96.59692	11.74046	5.30601	12.07462	1.34E-11	5.02E-09	1.29E-09	4.14E-15	1.25E-14	9.88E-15	5.16E-16	1.25E-14	6.87E-16	1.36552E-14	1.342E-11	5.0156E-09	1.29196E-09	4.23629E-15	2.08425E-15	2.11447E-15	3.46773E-16
74	570590.6	4177999	0.55, 41779	0.14077	0.13095	0.13895	98.98148	34.43475	100.81152	12.37268	5.77536	12.60144	1.46E-11	5.23E-09	1.36E-09	4.49E-15	1.36E-14	1.07E-14	5.59E-16	1.35E-14	7.46E-16	1.48122E-14	1.456E-11	5.2311E-09	1.36001E-09	4.59524E-15	2.26086E-15	2.29363E-15	3.76156E-16
75	570630.6	4177999	0.55, 41779	0.14863	0.14246	0.14416	96.29887	35.58815	97.29546	12.03736	6.62596	12.16193	1.57E-11	5.26E-09	1.32E-09	4.85E-15	1.46E-14	1.16E-14	6.03E-16	1.46E-14	8.04E-16	1.59811E-14	1.571E-11	5.2623E-09	1.32194E-09	4.95788E-15	2.43928E-15	2.47464E-15	4.0584E-16
76	570670.6	4177999	0.55, 41779	0.15906	0.15417	0.15133	108.0953	37.02771	115.61321	13.51191	7.37805	14.45165	1.69E-11	5.73E-09	1.49E-09	5.22E-15	1.58E-14	1.25E-14	6.5E-16	1.57E-14	8.67E-16	1.72182E-14	1.692E-11	5.7302E-09	1.49373E-09	5.34165E-15	2.62809E-15	2.66619E-15	4.37255E-16
77	570710.6	4177999	0.55, 41779	0.17207	0.16581	0.16328	109.21603	39.28347	116.55796	14.39109	8.06843	17.60456	1.82E-11	5.95E-09	1.62E-09	5.62E-15	1.7E-14	1.34E-14	7E-16	1.69E-14	9.33E-16	1.85348E-14	1.822E-11	5.9503E-09	1.61818E-09	5.75011E-15	2.82905E-15	2.87006E-15	4.7069E-16
78	570750.6	4177999	0.55, 41779	0.18601	0.17706	0.17647	119.66853	46.10023	126.10142	14.95857	8.7788	16.77146	1.95E-11	6.77E-09	1.66E-09	6.02E-15	1.82E-14	1.44E-14	7.49E-16	1.81E-14	9.99E-16	1.98415E-14	1.95E-11	6.7675E-09	1.66318E-09	6.1555E-15	3.02851E-15	3.07241E-15	5.03875E-16
79	570790.6	4177999	0.55, 41779	0.19953	0.18772	0.18696	122.67556	49.8289	134.57394	15.33445	9.45426	16.82174	2.07E-11	7.23E-09	1.7E-09	6.39E-15	1.93E-14	1.52E-14	7.95E-16	1.92E-14	1.06E-15	2.10577E-14	2.07E-11	7.2278E-09	1.7004E-09	6.53279E-15	3.21413E-15	3.26073E-15	5.34759E-16
80	570830.6	4177999	0.55, 41779	0.21109	0.19773	0.1968	133.54261	52.4094	148.58094	16.69283	9.90962	18.57262	2.18E-11	7.73E-09	1.85E-09	6.73E-15	2.03E-14	1.61E-14	8.38E-16	2.02E-14	1.12E-15	2.21882E-14	2.181E-11	7.7333E-09	1.85424E-09	6.88351E-15	3.38669E-15	3.43578E-15	5.63468E-16
81	570870.6	4177999	0.55, 41779	0.21804	0.20674	0.20398	131.45449	55.15858	156.57352	16.43181	9.77159	19.57169	2.28E-11	8.05E-09	1.84E-09	7.02E-15	2.12E-14	1.67E-14	8.74E-16	2.11E-14	1.17E-15	2.31501E-14	2.276E-11	8.0518E-09	1.84113E-09	7.18192E-15	3.5335E-15	3.58473E-15	5.87895E-16
82	570910.6	4177999	0.55, 41779	0.21803	0.21414	0.20286	148.11273	59.13207	173.84644	18.51409	8.43226	21.73081	2.34E-11	8.78E-09	2.07E-09	7.22E-15	2.18E-14	1.72E-14	8.98E-16	2.17E-14	1.2E-15	2.37948E-14	2.339E-11	8.7765E-09	2.07049E-09	7.38194E-15	3.63191E-15	3.68456E-15	6.04268E-16
83	570950.6	4177999	0.55, 41779	0.2114	0.21889	0.19586	140.12444	63.58464	170.21851	21.83562	9.32684	21.27731	2.37E-11	9.04E-09	2.39E-09	7.3E-15	2.2E-14	1.74E-14	9.08E-16	2.19E-14	1.21E-15	2.40635E-14	2.365E-11	9.0427E-09	2.38833E-09	7.4653E-15	3.67293E-15	3.72617E-15	6.11092E-16
84	570990.6	4177999	0.55, 41779	0.2013	0.22185	0.19061	171.25011	67.61488	221.4052	25.43318	11.18299	33.45295	2.37E-11	1.03E-08	2.89E-09	7.33E-15	2.21E-14	1.75E-14	9.12E-16	2.2E-14	1.22E-15	2.416E-14	2.375E-11	1.0333E-08	2.88863E-09	7.49523E-15	3.68766E-15	3.74111E-15	6.13542E-16
85	571030.6	4177999	0.55, 41779	0.19301	0.22456	0.1804	161.4506	75.02365	233.40135	21.94671	12.50394	33.34305	2.38E-11	1.1E-08	2.55E-09	7.34E-15	2.22E-14	1.75E-14	9.13E-16	2.21E-14	1.22E-15	2.41902E-14	2.378E-11	1.1032E-08	2.54779E-09	7.50461E-15	3.69227E-15	3.74579E-15	6.14309E-16
86	571070.6	4177999	0.55, 41779	0.18927	0.22808	0.16676	165.36156	82.48884	231.46597	21.97245	12.95225	28.93325	2.39E-11	1.17E-08	2.5E-09	7.37E-15	2.23E-14	1.76E-14	9.17E-16	2.22E-14	1.22E-15	2.42952E-14	2.388E-11	1.17E-08	2.49597E-09	7.53717E-15	3.70829E-15	3.76204E-15	6.16975E-16
87	571110.6	4177999	0.55, 41779	0.18141	0.21619	0.16049	158.60632	80.72549	237.56536	25.62624	11.81551	29.69982	2.27E-11	1.16E-08	2.86E-09	7E-15	2.11E-14	1.67E-14	8.71E-16	2.1E-14	1.16E-15	2.30791E-14	2.269E-11	1.1555E-08	2.86119E-09	7.15991E-15	3.52268E-15	3.57374E-15	5.86094E-16
88	571150.6	4177999	0.55, 41779	0.19202	0.23351	0.18032	164.05988	80.42402	231.86209	24.96785	14.13496	37.65816	2.46E-11	1.15E-08	2.9E-09	7.58E-15	2.29E-14	1.81E-14	9.43E-16	2.28E-14	1.26E-15	2.49761E-14	2.455E-11	1.1512E-08	2.89512E-09	7.74843E-15	3.81223E-15	3.86749E-15	6.34268E-16
89	571190.6	4177999	0.55, 41779	0.1978	0.23414	0.17819	182.21875	91.74664	241.78028	26.03125	13.21695	31.92825	2.46E-11	1.28E-08	2.93E-09	7.6E-15	2.3E-14	1.81E-14	9.46E-16	2.29E-14	1.26E-15	2.50635E-14	2.464E-11	1.2804E-08	2.92808E-09	7.77553E-15	3.82556E-15	3.88102E-15	6.36487E-16
90	571230.6	4177999	0.55, 41779	0.20367	0.23289	0.17473	172.67663	91.69738	231.55794	22.62496	13.85272	33.07971	2.45E-11	1.26E-08	2.61E-09	7.57E-15	2.29E-14	1.81E-14	9.43E-16	2.28E-14	1.26E-15	2.49677E-14	2.454E-11	1.258E-08	2.61059E-09	7.74581E-15	3.81094E-15	3.86618E-15	6.34054E-16
91	571270.6	4177999	0.55, 41779	0.21358	0.23476	0.18394	171.66845	86.35935	210.57834	21.45856	13.01074	28.58393	2.49E-11	1.18E-08	2.44E-09	7.69E-15	2.32E-14	1.83E-14	9.57E-16	2.31E-14	1.28E-15	2.5349E-14	2.492E-11	1.1844E-08	2.44162E-09	7.8641E-15	3.86914E-15	3.92522E-15	6.43737E-16
92	571310.6	4177999	0.55, 41779	0.23025	0.24083	0.19159	171.26207	72.34733	231.62674	21.40776	11.81711	28.95334	2.57E-11	1.09E-08	2.44E-09	7.93E-15	2.4E-14	1.89E-14	9.87E-16	2.38E-14	1.32E-15	2.61524E-14	2.571E-11	1.0873E-08	2.44123E-09	8.11336E-15	3.99177E-15	4.04964E-15	6.64141E-16
93	571350.6	4177999	0.55, 41779	0.25373	0.25254	0.198	169.27826	60.68614	249.61103	21.15978	11.13084	31.20138	2.7E-11	1.01E-08	2.44E-09	8.34E-15	2.52E-14	1.99E-14	1.04E-15	2.51E-14	1.38E-15	2.75108E-14	2.704E-11	1.0054E-08	2.44478E-09	8.53477E-15	4.19911E-15	4.25998E-15	6.98636E-16
94	571390.6	4177999	0.55, 41779	0.27999	0.26698	0.21185	164.13881	55.69534	253.30621	20.51735	9.69774	31.66328	2.87E-11	9.61E-09	2.39E-09	8.87E-15	2.68E-14	2.11E-14	1.1E-15	2.67E-14	1.47E-15	2.92334E-14	2.873E-11	9.6125E-09	2.38791E-09	9.06917E-15	4.46203E-15	4.52671E-15	7.42381E-16
95	571430.6	4177999	0.55, 41779	0.30187	0.27888	0.2328	148.06777	50.74185	217.39094	18.50847	8.30154	27.17387	3.02E-11	8.58E-09	2.14E-09	9.33E-15	2.82E-14	2.23E-14	1.16E-15	2.81E-14	1.55E-15	3.07749E-14	3.025E-11	8.5782E-09	2.13699E-09	9.54739E-15	4.69732E-15	4.76541E-15	7.81527E-16
96	571470.6	4177999	0.55, 41779	0.32222	0.29016	0.268	133.22849	41.8567	195.88733	16.65356	8.00082	24.48592	3.19E-11	7.39E-09	1.92E-09	9.83E-15	2.97E-14	2.35E-14	1.22E-15	2.96E-14	1.63E-15	3.24244E-14	3.187E-11	7.3894E-09	1.92326E-09	1.00591E-14	4.94909E-15	5.02083E-15	8.23417E-16
97	571510.6	4177999	0.55, 41779	0.33311	0.29527	0.30394	113.25391	33.39085	138.27651	14.15674	7.16119	17.28456	3.29E-11	5.74E-09	1.59E-09	1.01E-14	3.06E-14	2.42E-14	1.26E-15	3.05E-14	1.68E-15	3.3439E-14	3.287E-11	5.7419E-09	1.59142E-09	1.03739E-14	5.10396E-15	5.17794E-15	8.49182E-16
98	571550.6	4177999	0.55, 41779	0.33431	0.29408	0.33024	118.79132	25.19774	142.42424	14.84891	6.75336	17.80303	3.31E-11	5.13E-09	1.67E-09	1.02E-14	3.08E-14	2.44E-14	1.27E-15	3.07E-14	1.7E-15	3.36747E-14	3.31E-11	5.1306E-09	1.66521E-09	1.0447E-14	5.13993E-15	5.21444E-15	8.55168E-16
99	571590.6	4177999	0.55, 41779	0.32897	0.28857	0.34209	117.12124	19.87515	150.29933	14.64016	6.7762	18.78742	3.27E-11	4.75E-09	1.66E-09	1.01E-14	3.05E-14	2.41E-14	1.26E-15	3.03E-14	1.68E-15	3.32791E-14	3.271E-11	4.7453E-09	1.65701E-09	1.03243E-14	5.07955E-15	5.15318E-15	8.45121E-16
100	570310.6	4178039	0.55, 41780	0.09395	0.07118	0.09114	60.38117	27.45867	68.75884	7.54765	4.57644	8.59485	8.28E-12	3.85E-09	8.41E-10	2.55E-15	7.71E-15	6.09E-15	3.18E-16	7.68E-15	4.24E-16	8.42186E-15	8.278E-12	3.8453E-09	8.40822E-10	2.61274E-15	1.28547E-15	1.3041E-15	2.13873E-16
101	570350.6	4178039	0.55, 41780	0.10181	0.07823	0.09867	67.40685	28.30867	69.9761	8.42586	4.71811	8.74701	9.07E-12	4E-09	9.28E-10	2.8E-15	8.45E-15	6.67E-15	3.48E-16	8.41E-15	4.64E-16	9.22275E-15	9.065E-12	4.0039E-09	9.28211E-10	2.8612E-15	1.40771E-15	1.42812E-15	2.34211E-16
102	570390.6	4178039	0.55, 41780	0.11033	0.08626	0.10708	70.86935	29.39362	77.00767	8.85867	4.86131	9.62596	9.96E-12	4.22E-09	9.81E-10	3.07E-15	9.28E-15	7.33E-15	3.82E-16	9.24E-15	5.1E-16	1.01285E-14	9.956E-12	4.2196E-09	9.81183E-10	3.14221E-15	1.54597E-15	1.56838E-15	2.57214E-16
103	570430.6	4178039	0.55, 41780	0.11935	0.09539	0.11615	72.77771	30.53752	78.92837	9.09721	4.99157	9.86605	1.1E-11	4.36E-09	1.01E-09	3.38E-15	1.02E-14	8.06E-15	4.21E-16	1.02E-14	5.61E-16	1.11456E-14	1.096E-11	4.3622E-09	1.00737E-09	3.45772E-15	1.7012E-15	1.72586E-15	2.83041E-16
104	570470.6	4178039	0.55, 41780	0.12876	0.10583	0.1256	77.88414	31.78332	83.40463	9.73552	5.12346	10.42558	1.21E-11	4.58E-09	1.08E-09	3.73E-15	1.13E-14	8.89E-15	4.64E-16	1.12E-14	6.19E-16	1.22879E-14	1.208E-11	4.5767E-09	1.07642E-09	3.81211E-15	1.87556E-15	1.90275E-15	3.1205E-16
105	570510.6	4178039	0.55, 41780	0.13797	0.11733	0.13491	81.61557	33.05226	90.60057	10.20195	5.27698	11.32507	1.33E-11	4.81E-09	1.13E-09	4.1E-15	1.24E-14	9.78E-15	5.1E-16	1.23E-14	6.81E-16	1.35208E-14	1.329E-11	4.8132E-09	1.13291E-09	4.19461E-15	2.06375E-15	2.09366E-15	3.43361E-16
106	570550.6	4178039	0.55, 41780	0.14677	0.12979	0.14418	83.22783	34.40977	92.92473	10.40348	5.64664	11.61559	1.46E-11	4.98E-09	1.16E-09	4.5E-15	1.36E-14	1.07E-14	5.6E-16	1.35E-14	7.47E-16	1.48346E-14	1.458E-11	4.9765E-09	1.15612E-09	4.6022E-15	2.26428E-15	2.2971E-15	3.76725E-16
107	570590.6	4178039	0.55, 41780	0.15543	0.14397	0.15331	100.7883	35.81672	104.85134	12.59854	6.05306	13.10642	1.6E-11	5.42E-09	1.39E-09	4.94E-15	1.49E-14	1.18E-14	6.15E-16	1.49E-14	8.2E-16	1.62984E-14	1.602E-11	5.4196E-09	1.38822E-09	5.05632E-15	2.48771E-15	2.52377E-15	4.13898E-16
108	570630.6	4178039	0.55, 41780	0.16446	0.15887	0.16086	114.63184	37.47906	118.86748	14.32898	6.85921	14.85844	1.75E-11	5.87E-09	1.58E-09	5.4E-15	1.63E-14	1.29E-14	6.72E-16	1.62E-14	8.97E-16	1.78102E-14	1.751E-11	5.8742E-09	1.57831E-09	5.52533E-15	2.71846E-15	2.75787E-15	4.5229E-16
109	570670.6	4178039	0.55, 41780	0.17604	0.17458	0.16859	120.19022	39.09251	122.97013	15.02378	7.81169	15.37127	1.91E-11	6.12E-09	1.65E-09	5.89E-15	1.78E-14	1.41E-14	7.33E-16	1.77E-14	9.78E-16	1.9422E-14	1.909E-11	6.1207E-09	1.65228E-09	6.02535E-15	2.96447E-15	3.00744E-15	4.93221E-16
110	570710.6	4178039	0.55, 41780	0.19156	0.191	0.18153	122.05191	40.81454	130.55962	15.86896	8.63568	17.88475	2.08E-11	6.38E-09	1.77E-09	6.43E-15	1.94E-14	1.53E-14	8E-16	1.93E-14	1.07E-15	2.12018E-14	2.084E-11	6.3833E-09	1.76554E-09	6.57749E-15	3.23613E-15	3.28304E-15	5.38418E-16
111	570750.6	4178039	0.55, 41780	0.2105	0.20761	0.19902	132.53323	47.68084	144.79481	16.56665	9.43658	19.64627	2.27E-11	7.26E-09	1.86E-09	7E-15	2.11E-14	1.67E-14	8.72E-16	2.11E-14	1.16E-15	2.30898E-14	2.27E-11	7.2629E-09	1.85518E-09	7.16321E-15	3.5243E-15	3.57539E-15	5.86364E-16
112	570790.6	4178039	0.55, 41780	0.23169	0.22417	0.21523	139.552	52.7884	147.64201	17.444	10.33029	19.40572	2.46E-11	7.81E-09	1.94E-09	7.58E-15	2.29E-14	1.81E-14	9.43E-16	2.28E-14	1.26E-15	2.49798E-14	2.455E-11	7.8141E-09	1.93764E-09	7.74957E-15	3.81279E-15	3.86806E-15	6.34362E-16
113	570830.6	4178039	0.55, 41780	0.25382	0.24067	0.23208	145.24751	55.81087	161.73262	18.15594	11.28689	20.21658	2.64E-11	8.31E-09	2.02E-09	8.15E-15	2.46E-14	1.94E-14	1.01E-15	2.45E-14	1.35E-15	2.6882E-14	2.642E-11	8.3084E-09	2.01696E-09	8.33969E-15	4.10313E-15	4.16261E-15	6.82667E-16
114	570870.6	4178039	0.55, 41780	0.27385	0.25672	0.25028	159.27674	59.06353	181.66903	19.90959	12.04587	22.70863	2.82E-11	8.98E-09	2.22E-09	8.72E-15	2.63E-14	2.08E-14	1.08E-15	2.62E-14	1.45E-15	2.874E-14	2.825E-11	8.9769E-09	2.21842E-09	8.91609E-15	4.38672E-15	4.45031E-15	7.2985E-16
115	570910.6	4178039	0.55, 41780	0.28498	0.272	0.26185	154.31681	63.03506	190.144	19.2896	11.80173	23.768	2.98E-11	9.38E-09	2.17E-09	9.21E-15	2.78E-14	2.2E-14	1.15E-15	2.77E-14	1.53E-15	3.0357E-14	2.984E-11	9.38E-09	2.1711E-09	9.41776E-15	4.63354E-15	4.70071E-15	7.70916E-16
116	570950.6	4178039	0.55, 41780	0.28313	0.28254	0.2606	178.15221	69.82475	214.80591	22.26903	10.41815	26.85074	3.07E-11	1.05E-08	2.5E-09	9.48E-15	2.86E-14	2.26E-14	1.18E-15	2.85E-14	1.57E-15	3.12613E-14	3.073E-11	1.0513E-08	2.49919E-09	9.69829E-15	4.77156E-15	4.84072E-15	7.93879E-16
117	570990.6	4178039	0.55, 41780	0.27042	0.28832	0.24711	188.87787	74.10995	223.28286	29.14051	12.35166	34.29706	3.09E-11	1.11E-08	3.26E-09	9.55E-15	2.88E-14	2.28E-14	1.19E-15	2.87E-14	1.58E-15	3.14794E-14	3.094E-11	1.1098E-08	3.26002E-09	9.76596E-15	4.80485E-15	4.8745E-15	7.99418E-16
118	571030.6	4178039	0.55, 41780	0.25749	0.29249	0.23391	188.96663	83.29257	277.8919	26.99523	13.88209	39.69884	3.1E-11	1.26E-08	3.12E-09	9.57E-15	2.89E-14	2.28E-14	1.19E-15	2.88E-14	1.59E-15	3.15556E-14	3.102E-11	1.2575E-08	3.11768E-09	9.7896E-15	4.81648E-15	4.8863E-15	8.01353E-16
119	571070.6	4178039	0.55, 41780	0.25163	0.29646	0.21613	192.59035	92.57991	271.23553	26.01862	14.40126	34.27332	3.11E-11	1.33E-08	2.96E-09	9.59E-15	2.9E-14	2.29E-14	1.19E-15	2.88E-14	1.59E-15	3.16275E-14	3.109E-11	1.3342E-08	2.95574E-09	9.8119E-15	4.82745E-15	4.89743E-15	8.03179E-16
120	571110.6	4178039	0.55, 41780	0.23996	0.28057	0.20816	179.79911	89.13384	295.00102	29.33997	15.522	36.88643	2.95E-11	1.32E-08	3.31E-09	9.1E-15	2.75E-14	2.17E-14	1.13E-15	2.74E-14	1.51E-15	2.99958E-14	2.948E-11	1.3207E-08	3.31134E-09	9.30569E-15	4.5784E-15	4.64477E-15	7.61742E-16
121	571150.6	4178039	0.55, 41780	0.25767	0.30302	0.23363	202.30498	100.11261	284.90591	28.90071	16.95197	47.48432	3.19E-11	1.43E-08	3.4E-09	9.86E-15	2.98E-14	2.35E-14	1.23E-15	2.96E-14	1.64E-15	3.24914E-14	3.194E-11	1.4265E-08	3.39913E-09	1.00799E-14	4.95932E-15	5.03121E-15	8.25119E-16
122	571190.6	4178039	0.55, 41780	0.27122	0.30641	0.22867	194.68377	101.89225	297.80862	27.81197	16.7188	37.22608	3.23E-11	1.45E-08	3.17E-09	9.97E-15	3.01E-14	2.38E-14	1.24E-15	3E-14	1.65E-15	3.2867E-14	3.231E-11	1.4505E-08	3.16674E-09	1.01964E-14	5.01664E-15	5.08936E-15	8.34656E-16
123	571230.6	4178039	0.55, 41780	0.28804	0.31092	0.2326	196.84209	99.06119	294.63263	24.60526	16.26482	42.09038	3.29E-11	1.42E-08	2.91E-09	1.02E-14	3.07E-14	2.42E-14	1.26E-15	3.05E-14	1.69E-15	3.34864E-14	3.292E-11	1.4239E-08	2.91442E-09	1.03886E-14	5.11119E-15	5.18528E-15	8.50387E-16
124	571270.6	4178039	0.55, 41780	0.31661	0.32283	0.24843	191.8709	85.51951	280.99547	23.98386	14.63938	35.12443	3.44E-11	1.28E-08	2.77E-09	1.06E-14	3.21E-14	2.53E-14	1.32E-15	3.19E-14	1.76E-15	3.50317E-14	3.443E-11	1.2837E-08	2.7681E-09	1.0868E-14	5.34706E-15	5.42457E-15	8.89629E-16
125	571310.6	4178039	0.55, 41780	0.35598	0.34149	0.26147	189.38373	68.10225	290.04443	23.67297	13.72977	36.25555	3.66E-11	1.14E-08	2.75E-09	1.13E-14	3.41E-14	2.69E-14	1.41E-15	3.4E-14	1.88E-15	3.72513E-14	3.662E-11	1.14E-08	2.75176E-09	1.15566E-14	5.68584E-15	5.76826E-15	9.45995E-16
126	571350.6	4178039	0.55, 41780	0.39399	0.35989	0.2835	182.95784	62.01914	299.45287	22.86973	11.81322	37.43161	3.89E-11	1.09E-08	2.69E-09	1.2E-14	3.62E-14	2.86E-14	1.49E-15	3.61E-14	1.99E-15	3.95468E-14	3.887E-11	1.092E-08	2.68803E-09	1.22687E-14	6.03621E-15	6.12371E-15	1.00429E-15
127	571390.6	4178039	0.55, 41780	0.4222	0.3733	0.32107	164.47464	56.17724	258.72398	20.55933	10.13431	32.3405	4.08E-11	9.72E-09	2.4E-09	1.26E-14	3.8E-14	3E-14	1.57E-15	3.78E-14	2.09E-15	4.14945E-14	4.079E-11	9.7248E-09	2.40034E-09	1.2873E-14	6.3335E-15	6.42531E-15	1.05375E-15
128	571430.6	4178039	0.55, 41780	0.44026	0.38105	0.3744	146.31006	45.8458	221.86738	18.28876	9.60517	27.73342	4.23E-11	8.19E-09	2.12E-09	1.31E-14	3.94E-14	3.11E-14	1.62E-15	3.92E-14	2.17E-15	4.3034E-14	4.23E-11	8.1875E-09	2.12249E-09	1.33506E-14	6.56848E-15	6.6637E-15	1.09285E-15
129	571470.6	4178039	0.55, 41780	0.44344	0.3799	0.42037	134.05635	35.96521	154.66668	16.75704	8.42199	19.33334	4.28E-11	6.37E-09	1.87E-09	1.32E-14	3.99E-14	3.15E-14	1.64E-15	3.97E-14	2.19E-15	4.35396E-14	4.28E-11	6.3742E-09	1.86986E-09	1.35074E-14	6.64566E-15	6.74199E-15	1.10569E-15
130	571510.6	4178039	0.55, 41780	0.43369	0.37075	0.44522	135.2804	26.4112	176.84451	16.91005	8.14543	22.10556	4.22E-11	5.82E-09	1.92E-09	1.3E-14	3.93E-14	3.11E-14	1.62E-15	3.92E-14	2.16E-15	4.29386E-14	4.221E-11	5.8233E-09	1.91891E-09	1.3321E-14	6.55392E-15	6.64893E-15	1.09042E-15
131	571550.6	4178039	0.55, 41780	0.4157	0.35641	0.44493	128.00174	25.24959	172.96462	16.00022	7.84928	21.62058	4.08E-11	5.6E-09	1.82E-09	1.26E-14	3.8E-14	3E-14	1.57E-15	3.78E-14	2.09E-15	4.14778E-14	4.077E-11	5.6021E-09	1.82434E-09	1.28678E-14	6.33096E-15	6.42273E-15	1.05333E-15
132	571590.6	4178039	0.55, 41780	0.38889	0.33646	0.4222	114.21376	28.264	151.26331	14.27672	7.21894	18.90791	3.85E-11	5.46E-09	1.62E-09	1.19E-14	3.59E-14	2.83E-14	1.48E-15	3.57E-14	1.97E-15	3.91478E-14	3.848E-11	5.4627E-09	1.6231E-09	1.2145E-14	5.97532E-15	6.06194E-15	9.94158E-16
133	570310.6	4178079	0.55, 41780	0.09792	0.07296	0.09477	71.40728	28.01469	77.09789	8.92591	4.66912	9.63724	8.52E-12	4.11E-09	9.88E-10	2.63E-15	7.94E-15	6.27E-15	3.27E-16	7.9E-15	4.36E-16	8.66564E-15	8.518E-12	4.1053E-09	9.87869E-10	2.68837E-15	1.32268E-15	1.34185E-15	2.20064E-16
134	570350.6	4178079	0.55, 41780	0.1067	0.08065	0.10312	70.03301	29.10671	80.22931	8.75413	4.85112	10.02866	9.38E-12	4.23E-09	9.76E-10	2.89E-15	8.74E-15	6.9E-15	3.6E-16	8.7E-15	4.8E-16	9.54302E-15	9.38E-12	4.2259E-09	9.75965E-10	2.96056E-15	1.4566E-15	1.47771E-15	2.42345E-16
135	570390.6	4178079	0.55, 41780	0.11641	0.08948	0.11242	73.93226	30.15719	77.81828	9.24153	5.0262	9.72728	1.04E-11	4.33E-09	1.02E-09	3.2E-15	9.66E-15	7.63E-15	3.98E-16	9.61E-15	5.31E-16	1.05431E-14	1.036E-11	4.3266E-09	1.01971E-09	3.27083E-15	1.60925E-15	1.63258E-15	2.67742E-16
136	570430.6	4178079	0.55, 41780	0.12715	0.09969	0.12302	79.99098	31.34254	86.52141	9.99887	5.20891	10.81518	1.15E-11	4.6E-09	1.11E-09	3.55E-15	1.07E-14	8.46E-15	4.41E-16	1.07E-14	5.89E-16	1.16927E-14	1.149E-11	4.5973E-09	1.10686E-09	3.62747E-15	1.78472E-15	1.81059E-15	2.96936E-16
137	570470.6	4178079	0.55, 41780	0.13857	0.11144	0.13449	81.53824	32.65768	88.86509	10.19228	5.39019	11.10814	1.28E-11	4.76E-09	1.13E-09	3.94E-15	1.19E-14	9.4E-15	4.91E-16	1.19E-14	6.54E-16	1.29972E-14	1.278E-11	4.7565E-09	1.1293E-09	4.03215E-15	1.98382E-15	2.01258E-15	3.30062E-16
138	570510.6	4178079	0.55, 41780	0.15049	0.12507	0.14657	87.75299	34.11951	95.20757	10.96912	5.60116	11.90095	1.42E-11	5.02E-09	1.21E-09	4.39E-15	1.33E-14	1.05E-14	5.47E-16	1.32E-14	7.29E-16	1.44816E-14	1.423E-11	5.0238E-09	1.21471E-09	4.49269E-15	2.2104E-15	2.24244E-15	3.67761E-16
139	570550.6	4178079	0.55, 41780	0.16198	0.14034	0.1583	91.64015	35.64897	104.22382	11.45502	5.99366	13.02798	1.58E-11	5.31E-09	1.28E-09	4.88E-15	1.47E-14	1.16E-14	6.08E-16	1.47E-14	8.11E-16	1.61034E-14	1.583E-11	5.307E-09	1.27591E-09	4.99582E-15	2.45795E-15	2.49358E-15	4.08946E-16
140	570590.6	4178079	0.55, 41780	0.17272	0.15744	0.16968	88.35639	37.38874	105.88084	11.57204	6.46071	13.23511	1.76E-11	5.45E-09	1.29E-09	5.42E-15	1.64E-14	1.29E-14	6.75E-16	1.63E-14	9E-16	1.78763E-14	1.757E-11	5.4473E-09	1.28985E-09	5.54582E-15	2.72854E-15	2.76809E-15	4.53967E-16
141	570630.6	4178079	0.55, 41780	0.1831	0.1763	0.17984	101.08083	39.23196	114.54818	12.6351	7.02353	14.31852	1.94E-11	5.84E-09	1.41E-09	6E-15	1.81E-14	1.43E-14	7.47E-16	1.8E-14	9.96E-16	1.97869E-14	1.945E-11	5.8408E-09	1.40672E-09	6.13856E-15	3.02017E-15	3.06395E-15	5.02488E-16
142	570670.6	4178079	0.55, 41780	0.19537	0.19687	0.18849	125.63761	41.20021	131.91916	15.7047	8.22231	16.4899	2.15E-11	6.47E-09	1.73E-09	6.63E-15	2E-14	1.58E-14	8.25E-16	1.99E-14	1.1E-15	2.18498E-14	2.148E-11	6.4691E-09	1.73236E-09	6.77855E-15	3.33504E-15	3.38339E-15	5.54876E-16
143	570710.6	4178079	0.55, 41780	0.21241	0.21933	0.20096	144.38379	43.29239	151.59141	18.04797	9.29195	18.94893	2.38E-11	7.08E-09	1.99E-09	7.33E-15	2.21E-14	1.75E-14	9.13E-16	2.2E-14	1.22E-15	2.41767E-14	2.376E-11	7.0793E-09	1.99083E-09	7.50043E-15	3.69021E-15	3.7437E-15	6.13967E-16
144	570750.6	4178079	0.55, 41780	0.23537	0.24332	0.2221	149.96792	48.92505	154.1756	18.74599	10.23	23.04389	2.64E-11	7.66E-09	2.11E-09	8.13E-15	2.46E-14	1.94E-14	1.01E-15	2.44E-14	1.35E-15	2.68079E-14	2.635E-11	7.6591E-09	2.10924E-09	8.31669E-15	4.09181E-15	4.15113E-15	6.80785E-16
145	570790.6	4178079	0.55, 41780	0.26445	0.26867	0.24585	159.48841	56.15329	178.05216	19.93605	11.24377	22.79466	2.91E-11	8.68E-09	2.22E-09	8.99E-15	2.72E-14	2.15E-14	1.12E-15	2.7E-14	1.49E-15	2.96542E-14	2.915E-11	8.6797E-09	2.22205E-09	9.19971E-15	4.52626E-15	4.59187E-15	7.53067E-16
146	570830.6	4178079	0.55, 41780	0.30001	0.29551	0.27029	164.85959	59.75168	177.78875	20.60745	12.43332	22.22359	3.21E-11	9.04E-09	2.28E-09	9.92E-15	3E-14	2.37E-14	1.23E-15	2.98E-14	1.65E-15	3.27068E-14	3.215E-11	9.0443E-09	2.28039E-09	1.01467E-14	4.99219E-15	5.06456E-15	8.30587E-16
147	570870.6	4178079	0.55, 41780	0.34051	0.32416	0.30185	178.96906	63.85658	203.22306	22.37113	13.91568	25.40288	3.54E-11	9.86E-09	2.49E-09	1.09E-14	3.3E-14	2.61E-14	1.36E-15	3.29E-14	1.82E-15	3.60593E-14	3.544E-11	9.856E-09	2.4913E-09	1.11868E-14	5.5039E-15	5.58368E-15	9.15724E-16
148	570910.6	4178079	0.55, 41780	0.37529	0.35313	0.33459	192.82824	68.49057	229.7632	24.10353	15.26079	28.7204	3.87E-11	1.07E-08	2.7E-09	1.2E-14	3.61E-14	2.85E-14	1.49E-15	3.59E-14	1.98E-15	3.93977E-14	3.873E-11	1.0725E-08	2.70086E-09	1.22225E-14	6.01346E-15	6.10063E-15	1.0005E-15
149	570950.6	4178079	0.55, 41780	0.39192	0.37725	0.35493	199.56835	75.56845	241.42387	26.9715	14.65967	30.17798	4.13E-11	1.16E-08	3E-09	1.27E-14	3.84E-14	3.04E-14	1.58E-15	3.83E-14	2.11E-15	4.19669E-14	4.125E-11	1.1555E-08	2.99808E-09	1.30195E-14	6.40561E-15	6.49847E-15	1.06575E-15
150	570990.6	4178079	0.55, 41780	0.38624	0.39167	0.34038	209.52387	83.72546	270.89556	31.32288	13.79848	33.86195	4.23E-11	1.27E-08	3.47E-09	1.3E-14	3.94E-14	3.11E-14	1.62E-15	3.92E-14	2.17E-15	4.30115E-14	4.228E-11	1.273E-08	3.46717E-09	1.33436E-14	6.56506E-15	6.66022E-15	1.09228E-15
151	571030.6	4178079	0.55, 41780	0.36706	0.40059	0.31708	238.62537	94.19927	346.28961	34.73297	15.69988	52.33117	4.26E-11	1.49E-08	4.03E-09	1.31E-14	3.97E-14	3.13E-14	1.64E-15	3.95E-14	2.18E-15	4.33214E-14	4.258E-11	1.4862E-08	4.02675E-09	1.34397E-14	6.61235E-15	6.70821E-15	1.10015E-15
152	571070.6	4178079	0.55, 41780	0.35702	0.41066	0.29659	228.92087	105.90077	368.47625	31.45005	16.61116	46.05953	4.31E-11	1.61E-08	3.63E-09	1.33E-14	4.02E-14	3.17E-14	1.66E-15	4E-14	2.21E-15	4.38605E-14	4.311E-11	1.6064E-08	3.62982E-09	1.3607E-14	6.69464E-15	6.79169E-15	1.11384E-15
153	571110.6	4178079	0.55, 41780	0.35812	0.41418	0.29542	212.64364	104.08221	374.64105	34.6648	20.98986	46.90606	4.34E-11	1.58E-08	3.95E-09	1.34E-14	4.05E-14	3.2E-14	1.67E-15	4.03E-14	2.22E-15	4.41703E-14	4.342E-11	1.582E-08	3.95328E-09	1.37031E-14	6.74193E-15	6.83966E-15	1.1217E-15
154	571150.6	4178079	0.55, 41780	0.37758	0.42317	0.31748	239.48451	117.47672	371.65504	34.21207	20.38272	60.67868	4.47E-11	1.72E-08	4.08E-09	1.38E-14	4.16E-14	3.29E-14	1.72E-15	4.14E-14	2.29E-15	4.54423E-14	4.467E-11	1.722E-08	4.07886E-09	1.40977E-14	6.93608E-15	7.03663E-15	1.15401E-15
155	571190.6	4178079	0.55, 41780	0.41277	0.43447	0.31013	228.77572	115.09155	359.73847	28.66724	20.67403	44.96731	4.59E-11	1.68E-08	3.35E-09	1.42E-14	4.28E-14	3.38E-14	1.76E-15	4.26E-14	2.35E-15	4.67092E-14	4.591E-11	1.6759E-08	3.34539E-09	1.44907E-14	7.12944E-15	7.23279E-15	1.18618E-15
156	571230.6	4178079	0.55, 41780	0.46673	0.45732	0.33128	219.54291	100.98995	305.404	27.44286	18.56894	43.62914	4.87E-11	1.48E-08	3.21E-09	1.5E-14	4.54E-14	3.58E-14	1.87E-15	4.52E-14	2.49E-15	4.95497E-14	4.87E-11	1.4764E-08	3.20968E-09	1.5372E-14	7.56302E-15	7.67265E-15	1.25831E-15
157	571270.6	4178079	0.55, 41780	0.53318	0.48578	0.3586	215.1929	81.06645	332.5769	26.89911	17.27973	41.57211	5.22E-11	1.33E-08	3.13E-09	1.61E-14	4.86E-14	3.84E-14	2E-15	4.84E-14	2.67E-15	5.30924E-14	5.219E-11	1.3313E-08	3.13139E-09	1.6471E-14	8.10375E-15	8.22122E-15	1.34828E-15
158	571310.6	4178079	0.55, 41780	0.58671	0.50689	0.39805	205.97464	69.75551	363.05687	25.74683	14.70822	45.38211	5.5E-11	1.26E-08	3.07E-09	1.7E-14	5.13E-14	4.05E-14	2.11E-15	5.11E-14	2.82E-15	5.60031E-14	5.505E-11	1.2607E-08	3.06613E-09	1.7374E-14	8.54802E-15	8.67193E-15	1.4222E-15
159	571350.6	4178079	0.55, 41780	0.61439	0.51569	0.46686	184.46358	62.8789	316.33591	23.05795	12.5762	39.54199	5.69E-11	1.12E-08	2.73E-09	1.76E-14	5.31E-14	4.19E-14	2.19E-15	5.28E-14	2.92E-15	5.79265E-14	5.694E-11	1.1218E-08	2.73236E-09	1.79707E-14	8.84161E-15	8.96977E-15	1.47104E-15
160	571390.6	4178079	0.55, 41780	0.61879	0.51229	0.54521	162.6235	50.78632	251.98298	20.32794	11.67282	31.49787	5.76E-11	9.15E-09	2.37E-09	1.78E-14	5.37E-14	4.24E-14	2.21E-15	5.35E-14	2.95E-15	5.86499E-14	5.765E-11	9.1517E-09	2.36743E-09	1.81952E-14	8.95202E-15	9.08178E-15	1.48941E-15
161	571430.6	4178079	0.55, 41780	0.60477	0.49855	0.60294	157.24404	39.05995	207.2573	19.65551	9.99401	25.90716	5.7E-11	7.52E-09	2.23E-09	1.76E-14	5.31E-14	4.2E-14	2.19E-15	5.29E-14	2.92E-15	5.80095E-14	5.702E-11	7.5214E-09	2.23308E-09	1.79965E-14	8.85427E-15	8.98262E-15	1.47315E-15
162	571470.6	4178079	0.55, 41780	0.57311	0.47467	0.61341	152.07991	30.59352	215.52596	19.00999	9.68796	26.94074	5.47E-11	6.83E-09	2.18E-09	1.69E-14	5.1E-14	4.03E-14	2.1E-15	5.08E-14	2.8E-15	5.56971E-14	5.475E-11	6.8314E-09	2.18296E-09	1.72791E-14	8.50131E-15	8.62455E-15	1.41443E-15
163	571510.6	4178079	0.55, 41780	0.53465	0.44658	0.58613	137.55383	33.88214	191.36045	17.19423	8.95455	23.92006	5.16E-11	6.68E-09	1.97E-09	1.59E-14	4.81E-14	3.8E-14	1.98E-15	4.78E-14	2.64E-15	5.24685E-14	5.157E-11	6.6784E-09	1.96894E-09	1.62775E-14	8.00852E-15	8.12461E-15	1.33244E-15
164	571550.6	4178079	0.55, 41780	0.48548	0.41212	0.53241	120.13532	36.07438	157.49519	15.01691	7.90342	19.6869	4.74E-11	6.28E-09	1.7E-09	1.46E-14	4.42E-14	3.49E-14	1.82E-15	4.4E-14	2.43E-15	4.82341E-14	4.741E-11	6.2814E-09	1.70477E-09	1.49638E-14	7.3622E-15	7.46892E-15	1.2249E-15
165	571590.6	4178079	0.55, 41780	0.43445	0.37558	0.47142	108.95419	37.19094	141.55637	13.61927	6.74143	17.69455	4.3E-11	6.07E-09	1.54E-09	1.33E-14	4E-14	3.16E-14	1.65E-15	3.99E-14	2.2E-15	4.37046E-14	4.296E-11	6.0725E-09	1.54414E-09	1.35586E-14	6.67085E-15	6.76755E-15	1.10988E-15
166	570310.6	4178119	0.55, 41781	0.10149	0.07442	0.09774	69.0748	28.05035	78.28908	8.63435	4.67506	9.78613	8.72E-12	4.1E-09	9.61E-10	2.69E-15	8.12E-15	6.42E-15	3.35E-16	8.09E-15	4.46E-16	8.86866E-15	8.717E-12	4.1001E-09	9.61313E-10	2.75135E-15	1.35367E-15	1.37329E-15	2.25219E-16
167	570350.6	4178119	0.55, 41781	0.11138	0.08273	0.10725	79.07973	29.62524	82.98136	9.88497	4.93754	10.37267	9.66E-12	4.39E-09	1.09E-09	2.98E-15	9E-15	7.11E-15	3.71E-16	8.96E-15	4.95E-16	9.8269E-15	9.659E-12	4.3944E-09	1.09032E-09	3.04863E-15	1.49993E-15	1.52167E-15	2.49554E-16
168	570390.6	4178119	0.55, 41781	0.12249	0.09237	0.11775	81.81771	30.97041	92.38822	10.22721	5.16174	11.54853	1.07E-11	4.65E-09	1.14E-09	3.31E-15	1E-14	7.91E-15	4.13E-16	9.97E-15	5.5E-16	1.09282E-14	1.074E-11	4.655E-09	1.13813E-09	3.39029E-15	1.66802E-15	1.6922E-15	2.77521E-16
169	570430.6	4178119	0.55, 41781	0.13492	0.10362	0.12964	81.48606	32.23138	89.13007	10.18576	5.3719	11.14126	1.2E-11	4.72E-09	1.13E-09	3.7E-15	1.12E-14	8.83E-15	4.61E-16	1.11E-14	6.14E-16	1.22035E-14	1.2E-11	4.7219E-09	1.12907E-09	3.78594E-15	1.86268E-15	1.88968E-15	3.09908E-16
170	570470.6	4178119	0.55, 41781	0.14882	0.11683	0.14311	90.82614	33.6686	97.62505	11.35327	5.5932	12.20313	1.35E-11	5.04E-09	1.26E-09	4.15E-15	1.25E-14	9.9E-15	5.17E-16	1.25E-14	6.89E-16	1.36879E-14	1.345E-11	5.0444E-09	1.25584E-09	4.24643E-15	2.08925E-15	2.11953E-15	3.47603E-16
171	570510.6	4178119	0.55, 41781	0.16361	0.13228	0.15796	92.34034	35.20886	102.68913	11.54254	5.82093	12.83614	1.51E-11	5.26E-09	1.28E-09	4.67E-15	1.41E-14	1.11E-14	5.81E-16	1.4E-14	7.75E-16	1.53979E-14	1.514E-11	5.2565E-09	1.28207E-09	4.77694E-15	2.35025E-15	2.38432E-15	3.91029E-16
172	570550.6	4178119	0.55, 41781	0.17911	0.1505	0.17388	100.11195	36.92243	110.21215	12.51399	6.33987	13.77652	1.71E-11	5.58E-09	1.39E-09	5.27E-15	1.59E-14	1.26E-14	6.56E-16	1.58E-14	8.75E-16	1.73751E-14	1.708E-11	5.5758E-09	1.38825E-09	5.39033E-15	2.65204E-15	2.69048E-15	4.41239E-16
173	570590.6	4178119	0.55, 41781	0.19374	0.17125	0.18923	103.74737	38.76233	121.67682	12.96842	6.89651	15.2096	1.92E-11	5.91E-09	1.45E-09	5.93E-15	1.79E-14	1.42E-14	7.38E-16	1.78E-14	9.85E-16	1.95616E-14	1.923E-11	5.9138E-09	1.45015E-09	6.06867E-15	2.98579E-15	3.02907E-15	4.96767E-16
174	570630.6	4178119	0.55, 41781	0.2069	0.19483	0.20326	104.63966	41.01094	121.05227	13.84797	7.49161	15.13153	2.16E-11	6.11E-09	1.53E-09	6.66E-15	2.01E-14	1.59E-14	8.29E-16	2E-14	1.11E-15	2.19689E-14	2.159E-11	6.1117E-09	1.53483E-09	6.81549E-15	3.35322E-15	3.40183E-15	5.579E-16
175	570670.6	4178119	0.55, 41781	0.21998	0.22122	0.21442	115.58367	43.51142	138.36153	15.0671	8.60459	17.29519	2.42E-11	6.65E-09	1.68E-09	7.46E-15	2.25E-14	1.78E-14	9.28E-16	2.24E-14	1.24E-15	2.45896E-14	2.417E-11	6.6517E-09	1.6802E-09	7.62851E-15	3.75323E-15	3.80763E-15	6.24452E-16
176	570710.6	4178119	0.55, 41781	0.23703	0.25104	0.22497	127.12041	45.98226	134.54184	16.41254	9.96819	16.81773	2.71E-11	6.93E-09	1.81E-09	8.36E-15	2.52E-14	1.99E-14	1.04E-15	2.51E-14	1.39E-15	2.75478E-14	2.708E-11	6.9346E-09	1.80533E-09	8.54626E-15	4.20476E-15	4.26571E-15	6.99577E-16
177	570750.6	4178119	0.55, 41781	0.26187	0.28441	0.24496	163.41699	49.64069	173.69321	20.42712	11.18287	24.67477	3.05E-11	8.09E-09	2.29E-09	9.41E-15	2.84E-14	2.24E-14	1.17E-15	2.83E-14	1.56E-15	3.10186E-14	3.049E-11	8.0948E-09	2.29303E-09	9.623E-15	4.73452E-15	4.80315E-15	7.87716E-16
178	570790.6	4178119	0.55, 41781	0.29707	0.32177	0.27572	189.30326	59.79186	203.13563	23.66291	12.3939	25.39195	3.45E-11	9.6E-09	2.62E-09	1.06E-14	3.21E-14	2.54E-14	1.32E-15	3.2E-14	1.77E-15	3.50834E-14	3.449E-11	9.601E-09	2.61695E-09	1.08841E-14	5.35495E-15	5.43258E-15	8.90943E-16
179	570830.6	4178119	0.55, 41781	0.34574	0.3643	0.31009	193.11502	64.55328	210.79637	24.13938	13.76558	26.34955	3.91E-11	1.01E-08	2.68E-09	1.21E-14	3.64E-14	2.88E-14	1.5E-15	3.63E-14	2E-15	3.97889E-14	3.911E-11	1.015E-08	2.67514E-09	1.23438E-14	6.07317E-15	6.16121E-15	1.01044E-15
180	570870.6	4178119	0.55, 41781	0.41228	0.41342	0.35667	202.8381	69.60981	241.64288	25.35476	15.49628	31.6123	4.46E-11	1.11E-08	2.86E-09	1.38E-14	4.16E-14	3.29E-14	1.71E-15	4.14E-14	2.29E-15	4.54133E-14	4.464E-11	1.1068E-08	2.85832E-09	1.40887E-14	6.93165E-15	7.03213E-15	1.15327E-15
181	570910.6	4178119	0.55, 41781	0.49003	0.46844	0.41739	224.50761	75.3478	268.49725	28.06345	17.99511	33.56216	5.1E-11	1.21E-08	3.15E-09	1.57E-14	4.75E-14	3.75E-14	1.96E-15	4.73E-14	2.61E-15	5.18527E-14	5.097E-11	1.2115E-08	3.14609E-09	1.60864E-14	7.91452E-15	8.02925E-15	1.3168E-15
182	570950.6	4178119	0.55, 41781	0.55455	0.52056	0.48015	237.44511	82.6149	307.44591	31.19836	20.61697	38.43074	5.69E-11	1.34E-08	3.51E-09	1.76E-14	5.31E-14	4.19E-14	2.19E-15	5.28E-14	2.92E-15	5.79267E-14	5.694E-11	1.3358E-08	3.51133E-09	1.79708E-14	8.84164E-15	8.9698E-15	1.47105E-15
183	570990.6	4178119	0.55, 41781	0.59019	0.56679	0.49805	260.70129	98.30209	347.94815	39.14578	18.7176	43.49352	6.16E-11	1.55E-08	4.35E-09	1.9E-14	5.74E-14	4.53E-14	2.36E-15	5.71E-14	3.15E-15	6.26246E-14	6.156E-11	1.5459E-08	4.34756E-09	1.94282E-14	9.55869E-15	9.69725E-15	1.59035E-15
184	571030.6	4178119	0.55, 41781	0.58003	0.59593	0.46436	288.08817	110.38847	394.82286	43.41155	19.84321	60.28631	6.36E-11	1.74E-08	4.97E-09	1.96E-14	5.92E-14	4.68E-14	2.44E-15	5.9E-14	3.26E-15	6.4695E-14	6.359E-11	1.7364E-08	4.96981E-09	2.00705E-14	9.87471E-15	1.00178E-14	1.64293E-15
185	571070.6	4178119	0.55, 41781	0.56003	0.61401	0.43624	281.59163	124.26135	479.69295	39.26934	23.95732	65.06151	6.46E-11	1.96E-08	4.63E-09	1.99E-14	6.02E-14	4.76E-14	2.48E-15	6E-14	3.31E-15	6.57518E-14	6.463E-11	1.956E-08	4.6253E-09	2.03984E-14	1.0036E-14	1.01815E-14	1.66977E-15
186	571110.6	4178119	0.55, 41781	0.57497	0.62965	0.42923	279.23237	138.16088	507.21032	41.39356	27.39628	63.69191	6.61E-11	2.11E-08	4.82E-09	2.04E-14	6.15E-14	4.86E-14	2.54E-15	6.13E-14	3.38E-15	6.72063E-14	6.606E-11	2.1092E-08	4.81527E-09	2.08496E-14	1.0258E-14	1.04067E-14	1.7067E-15
187	571150.6	4178119	0.55, 41781	0.64473	0.65929	0.45591	273.06399	137.55558	506.75735	37.77228	27.34359	77.75635	6.97E-11	2.1E-08	4.64E-09	2.15E-14	6.49E-14	5.13E-14	2.68E-15	6.46E-14	3.57E-15	7.08791E-14	6.967E-11	2.0973E-08	4.63591E-09	2.19891E-14	1.08186E-14	1.09754E-14	1.79997E-15
188	571190.6	4178119	0.55, 41781	0.76806	0.70549	0.46182	260.36357	120.74038	479.78233	32.90288	24.49294	68.54033	7.5E-11	1.9E-08	4.05E-09	2.31E-14	6.99E-14	5.52E-14	2.88E-15	6.96E-14	3.84E-15	7.63033E-14	7.5E-11	1.9044E-08	4.04823E-09	2.36718E-14	1.16465E-14	1.18154E-14	1.93772E-15
189	571230.6	4178119	0.55, 41781	0.88147	0.74364	0.51839	250.38438	100.21062	435.42985	31.29805	22.32262	54.42873	8.02E-11	1.66E-08	3.72E-09	2.47E-14	7.47E-14	5.9E-14	3.08E-15	7.44E-14	4.1E-15	8.15461E-14	8.016E-11	1.6602E-08	3.71812E-09	2.52983E-14	1.24468E-14	1.26272E-14	2.07086E-15
190	571270.6	4178119	0.55, 41781	0.94057	0.75526	0.59724	235.31349	80.57107	462.41399	29.41419	18.81416	57.80175	8.27E-11	1.51E-08	3.58E-09	2.55E-14	7.71E-14	6.09E-14	3.18E-15	7.67E-14	4.24E-15	8.41615E-14	8.273E-11	1.5067E-08	3.57623E-09	2.61097E-14	1.2846E-14	1.30322E-14	2.13728E-15
191	571310.6	4178119	0.55, 41781	0.94266	0.74202	0.72716	211.76846	71.48368	401.12341	26.47106	15.9259	50.14043	8.32E-11	1.33E-08	3.2E-09	2.57E-14	7.75E-14	6.12E-14	3.2E-15	7.72E-14	4.26E-15	8.46319E-14	8.319E-11	1.3285E-08	3.19527E-09	2.62556E-14	1.29178E-14	1.3105E-14	2.14922E-15
192	571350.6	4178119	0.55, 41781	0.90909	0.71255	0.85266	184.59351	57.17412	286.57244	23.07419	14.42847	35.82155	8.18E-11	1.04E-08	2.69E-09	2.52E-14	7.62E-14	6.02E-14	3.14E-15	7.59E-14	4.19E-15	8.32443E-14	8.182E-11	1.0353E-08	2.68811E-09	2.58252E-14	1.2706E-14	1.28902E-14	2.11399E-15
193	571390.6	4178119	0.55, 41781	0.85308	0.67145	0.90336	182.88204	42.90716	275.98695	22.86025	12.27464	34.49837	7.83E-11	8.96E-09	2.65E-09	2.42E-14	7.3E-14	5.76E-14	3.01E-15	7.26E-14	4.01E-15	7.96587E-14	7.83E-11	8.9575E-09	2.65097E-09	2.47128E-14	1.21587E-14	1.23349E-14	2.02293E-15
194	571430.6	4178119	0.55, 41781	0.78	0.62166	0.86624	169.0522	41.64549	252.50347	21.13153	11.39175	31.56293	7.28E-11	8.42E-09	2.45E-09	2.25E-14	6.78E-14	5.36E-14	2.79E-15	6.75E-14	3.73E-15	7.40276E-14	7.277E-11	8.4215E-09	2.44648E-09	2.29658E-14	1.12992E-14	1.1463E-14	1.87993E-15
195	571470.6	4178119	0.55, 41781	0.69763	0.567	0.77646	144.82238	43.55007	199.26025	18.1028	10.0864	24.90753	6.61E-11	7.69E-09	2.07E-09	2.04E-14	6.16E-14	4.86E-14	2.54E-15	6.13E-14	3.38E-15	6.72098E-14	6.606E-11	7.6934E-09	2.06957E-09	2.08507E-14	1.02586E-14	1.04073E-14	1.70679E-15
196	571510.6	4178119	0.55, 41781	0.61632	0.51188	0.67545	129.07456	44.20691	173.84445	16.93315	8.5721	21.73056	5.92E-11	7.28E-09	1.92E-09	1.83E-14	5.52E-14	4.36E-14	2.27E-15	5.49E-14	3.03E-15	6.02209E-14	5.919E-11	7.2826E-09	1.91654E-09	1.86825E-14	9.19181E-15	9.32505E-15	1.52931E-15
197	571550.6	4178119	0.55, 41781	0.53701	0.45659	0.57828	116.13448	43.6354	149.52645	16.99831	7.6971	20.20244	5.24E-11	6.81E-09	1.9E-09	1.62E-14	4.88E-14	3.85E-14	2.01E-15	4.86E-14	2.68E-15	5.32851E-14	5.238E-11	6.8055E-09	1.90406E-09	1.65308E-14	8.13316E-15	8.25105E-15	1.35317E-15
198	571590.6	4178119	0.55, 41781	0.46599	0.40463	0.49394	103.06511	42.01095	133.93422	16.60125	6.75955	20.50745	4.61E-11	6.34E-09	1.87E-09	1.42E-14	4.29E-14	3.39E-14	1.77E-15	4.28E-14	2.36E-15	4.68896E-14	4.609E-11	6.3424E-09	1.86916E-09	1.45467E-14	7.15699E-15	7.26073E-15	1.19076E-15
199	570310.6	4178159	0.55, 41781	0.10452	0.07557	0.10002	83.14681	27.07322	89.45551	10.39335	4.47805	11.18194	8.88E-12	4.29E-09	1.15E-09	2.74E-15	8.27E-15	6.53E-15	3.41E-16	8.23E-15	4.55E-16	9.03E-15	8.876E-12	4.2909E-09	1.14979E-09	2.80141E-15	1.37829E-15	1.39827E-15	2.29317E-16
200	570350.6	4178159	0.55, 41781	0.1156	0.08446	0.11071	83.51332	29.37807	93.62995	10.43917	4.89635	11.70374	9.89E-12	4.55E-09	1.16E-09	3.05E-15	9.22E-15	7.28E-15	3.8E-16	9.18E-15	5.07E-16	1.00666E-14	9.895E-12	4.5476E-09	1.16068E-09	3.123E-15	1.53651E-15	1.55879E-15	2.55641E-16
201	570390.6	4178159	0.55, 41781	0.12828	0.09489	0.12282	85.72091	31.44775	90.10823	10.71511	5.24129	11.26353	1.11E-11	4.71E-09	1.18E-09	3.42E-15	1.03E-14	8.16E-15	4.26E-16	1.03E-14	5.68E-16	1.12742E-14	1.108E-11	4.7071E-09	1.18212E-09	3.49762E-15	1.72083E-15	1.74578E-15	2.86307E-16
202	570430.6	4178159	0.55, 41781	0.14269	0.1072	0.13639	94.53138	33.159	104.73347	11.81642	5.5265	13.09168	1.25E-11	5.12E-09	1.31E-09	3.85E-15	1.16E-14	9.18E-15	4.79E-16	1.16E-14	6.39E-16	1.26848E-14	1.247E-11	5.1239E-09	1.31188E-09	3.93524E-15	1.93614E-15	1.9642E-15	3.22129E-16
203	570470.6	4178159	0.55, 41781	0.15906	0.12183	0.15182	91.68652	34.69147	109.10852	11.46082	5.78191	13.63857	1.41E-11	5.28E-09	1.28E-09	4.35E-15	1.31E-14	1.04E-14	5.42E-16	1.31E-14	7.22E-16	1.43449E-14	1.41E-11	5.2839E-09	1.284E-09	4.45026E-15	2.18953E-15	2.22127E-15	3.64288E-16
204	570510.6	4178159	0.55, 41781	0.17738	0.13933	0.16931	103.8828	36.49731	110.76271	12.98535	6.04456	13.84534	1.6E-11	5.58E-09	1.43E-09	4.95E-15	1.49E-14	1.18E-14	6.16E-16	1.49E-14	8.21E-16	1.63059E-14	1.603E-11	5.5825E-09	1.43499E-09	5.05864E-15	2.48885E-15	2.52493E-15	4.14088E-16
205	570550.6	4178159	0.55, 41781	0.19733	0.16029	0.18927	106.21161	38.46337	121.82569	13.27645	6.62676	15.22821	1.83E-11	5.91E-09	1.48E-09	5.65E-15	1.71E-14	1.35E-14	7.03E-16	1.7E-14	9.37E-16	1.86223E-14	1.83E-11	5.9138E-09	1.48037E-09	5.77726E-15	2.84241E-15	2.88361E-15	4.72913E-16
206	570590.6	4178159	0.55, 41781	0.21794	0.18524	0.21062	115.65264	40.48441	129.80552	14.45658	7.37316	16.22569	2.1E-11	6.28E-09	1.61E-09	6.47E-15	1.95E-14	1.54E-14	8.05E-16	1.94E-14	1.07E-15	2.1318E-14	2.095E-11	6.282E-09	1.60757E-09	6.61355E-15	3.25387E-15	3.30103E-15	5.4137E-16
207	570630.6	4178159	0.55, 41781	0.23707	0.21436	0.23118	118.44365	42.79741	144.28442	14.80546	8.08317	18.03555	2.39E-11	6.69E-09	1.66E-09	7.39E-15	2.23E-14	1.76E-14	9.2E-16	2.22E-14	1.23E-15	2.43602E-14	2.394E-11	6.6903E-09	1.66384E-09	7.55735E-15	3.71822E-15	3.77212E-15	6.18627E-16
208	570670.6	4178159	0.55, 41781	0.25383	0.24795	0.24882	124.95922	45.84094	144.90734	15.6199	8.90031	18.11342	2.73E-11	7.03E-09	1.74E-09	8.41E-15	2.54E-14	2.01E-14	1.05E-15	2.53E-14	1.4E-15	2.77401E-14	2.727E-11	7.0286E-09	1.74411E-09	8.6059E-15	4.2341E-15	4.29548E-15	7.04458E-16
209	570710.6	4178159	0.55, 41781	0.27135	0.28697	0.26135	131.25248	49.29697	162.49426	17.47805	10.6966	20.31178	3.1E-11	7.61E-09	1.95E-09	9.57E-15	2.89E-14	2.28E-14	1.19E-15	2.88E-14	1.59E-15	3.1547E-14	3.101E-11	7.6097E-09	1.95212E-09	9.78693E-15	4.81517E-15	4.88497E-15	8.01135E-16
210	570750.6	4178159	0.55, 41781	0.29528	0.33222	0.27619	146.48828	52.90094	155.94977	21.86848	12.23914	22.93785	3.54E-11	7.99E-09	2.41E-09	1.09E-14	3.3E-14	2.6E-14	1.36E-15	3.28E-14	1.81E-15	3.60018E-14	3.539E-11	7.9947E-09	2.41198E-09	1.1169E-14	5.49513E-15	5.57479E-15	9.14265E-16
211	570790.6	4178159	0.55, 41781	0.33253	0.38536	0.30655	168.4296	63.37031	207.44804	22.18934	13.75991	31.3643	4.08E-11	9.76E-09	2.55E-09	1.26E-14	3.8E-14	3E-14	1.57E-15	3.78E-14	2.09E-15	4.14872E-14	4.078E-11	9.7616E-09	2.54704E-09	1.28707E-14	6.33239E-15	6.42418E-15	1.05357E-15
212	570830.6	4178159	0.55, 41781	0.39122	0.44987	0.34708	226.40986	70.88867	244.94075	28.30123	15.58224	30.61759	4.75E-11	1.15E-08	3.13E-09	1.47E-14	4.43E-14	3.5E-14	1.82E-15	4.41E-14	2.43E-15	4.83273E-14	4.75E-11	1.1453E-08	3.13297E-09	1.49928E-14	7.37644E-15	7.48336E-15	1.22727E-15
213	570870.6	4178159	0.55, 41781	0.48272	0.53035	0.408	262.06298	76.1106	293.39264	32.75787	17.58972	36.67408	5.62E-11	1.29E-08	3.64E-09	1.73E-14	5.24E-14	4.14E-14	2.16E-15	5.21E-14	2.88E-15	5.71739E-14	5.62E-11	1.2858E-08	3.64154E-09	1.77373E-14	8.72673E-15	8.85323E-15	1.45193E-15
214	570910.6	4178159	0.55, 41781	0.61652	0.63133	0.50366	261.24493	84.17228	335.42472	32.65562	20.33398	41.92809	6.75E-11	1.41E-08	3.7E-09	2.08E-14	6.29E-14	4.97E-14	2.59E-15	6.27E-14	3.46E-15	6.87053E-14	6.753E-11	1.4073E-08	3.69631E-09	2.13147E-14	1.04868E-14	1.06388E-14	1.74477E-15
215	570950.6	4178159	0.55, 41781	0.78722	0.75662	0.63069	286.12528	93.97029	373.71712	38.09436	25.30252	46.71464	8.17E-11	1.56E-08	4.28E-09	2.52E-14	7.62E-14	6.02E-14	3.14E-15	7.58E-14	4.19E-15	8.31642E-14	8.175E-11	1.5648E-08	4.28486E-09	2.58003E-14	1.26938E-14	1.28778E-14	2.11195E-15
216	570990.6	4178159	0.55, 41781	0.95557	0.89576	0.74297	303.7283	113.02353	445.40224	49.39935	30.83627	55.67528	9.7E-11	1.84E-08	5.5E-09	2.99E-14	9.03E-14	7.14E-14	3.72E-15	9E-14	4.97E-15	9.86479E-14	9.697E-11	1.8372E-08	5.49606E-09	3.06039E-14	1.50571E-14	1.52754E-14	2.50516E-15
217	571030.6	4178159	0.55, 41781	1.0701	1.00768	0.7637	365.27865	135.92516	512.48146	63.89384	29.33742	70.31034	1.08E-10	2.18E-08	7.09E-09	3.34E-14	1.01E-13	7.96E-14	4.15E-15	1E-13	5.54E-15	1.10021E-13	1.081E-10	2.1809E-08	7.08773E-09	3.41322E-14	1.6793E-14	1.70365E-14	2.79398E-15
218	571070.6	4178159	0.55, 41781	1.06935	1.07923	0.71312	382.13438	155.20031	662.82772	54.74849	37.25068	94.68967	1.14E-10	2.55E-08	6.5E-09	3.51E-14	1.06E-13	8.37E-14	4.37E-15	1.06E-13	5.83E-15	1.1575E-13	1.138E-10	2.5514E-08	6.49755E-09	3.59096E-14	1.76675E-14	1.79236E-14	2.93947E-15
219	571110.6	4178159	0.55, 41781	1.19831	1.16386	0.6846	373.85472	174.62021	736.75515	53.40782	39.37776	93.09067	1.22E-10	2.8E-08	6.35E-09	3.77E-14	1.14E-13	8.99E-14	4.69E-15	1.13E-13	6.25E-15	1.24221E-13	1.221E-10	2.8043E-08	6.34731E-09	3.85375E-14	1.89604E-14	1.92353E-14	3.15459E-15
220	571150.6	4178159	0.55, 41781	1.53671	1.26322	0.72724	331.2731	149.81574	693.97089	50.26616	34.67292	96.78528	1.35E-10	2.49E-08	6.09E-09	4.16E-14	1.25E-13	9.91E-14	5.17E-15	1.25E-13	6.9E-15	1.36995E-13	1.347E-10	2.4926E-08	6.08691E-09	4.25004E-14	2.09102E-14	2.12133E-14	3.47898E-15
221	571190.6	4178159	0.55, 41781	1.71324	1.27647	0.80447	303.51531	125.05743	565.89383	43.45807	29.97586	80.84198	1.39E-10	2.09E-08	5.23E-09	4.27E-14	1.29E-13	1.02E-13	5.32E-15	1.28E-13	7.09E-15	1.40913E-13	1.385E-10	2.0907E-08	5.22757E-09	4.37158E-14	2.15082E-14	2.18199E-14	3.57847E-15
222	571230.6	4178159	0.55, 41781	1.67997	1.21931	0.99011	277.00255	96.22407	622.39581	36.53844	24.95569	77.79948	1.35E-10	1.88E-08	4.52E-09	4.18E-14	1.26E-13	9.97E-14	5.2E-15	1.26E-13	6.94E-15	1.37816E-13	1.355E-10	1.8819E-08	4.5163E-09	4.27552E-14	2.10356E-14	2.13405E-14	3.49984E-15
223	571270.6	4178159	0.55, 41781	1.56347	1.13234	1.265	251.98402	83.18585	536.39129	31.498	20.71301	67.04891	1.3E-10	1.64E-08	3.89E-09	4.01E-14	1.21E-13	9.57E-14	5E-15	1.21E-13	6.66E-15	1.3235E-13	1.301E-10	1.6372E-08	3.89306E-09	4.10593E-14	2.02012E-14	2.0494E-14	3.36102E-15
224	571310.6	4178159	0.55, 41781	1.42012	1.03692	1.45126	223.09845	65.85457	360.16353	27.88731	18.21453	45.02044	1.23E-10	1.24E-08	3.27E-09	3.78E-14	1.14E-13	9.02E-14	4.71E-15	1.14E-13	6.28E-15	1.24751E-13	1.226E-10	1.2399E-08	3.2701E-09	3.8702E-14	1.90414E-14	1.93174E-14	3.16805E-15
225	571350.6	4178159	0.55, 41781	1.26306	0.93714	1.42084	212.7442	53.05659	355.96566	26.59303	15.01468	44.49571	1.12E-10	1.11E-08	3.14E-09	3.46E-14	1.04E-13	8.24E-14	4.3E-15	1.04E-13	5.73E-15	1.13911E-13	1.12E-10	1.1125E-08	3.13761E-09	3.5339E-14	1.73868E-14	1.76388E-14	2.89277E-15
226	571390.6	4178159	0.55, 41781	1.10199	0.83709	1.24864	185.92823	54.01949	274.01244	23.24103	13.29114	34.25155	9.95E-11	9.94E-09	2.69E-09	3.07E-14	9.27E-14	7.32E-14	3.82E-15	9.23E-14	5.1E-15	1.0123E-13	9.95E-11	9.9357E-09	2.68501E-09	3.14049E-14	1.54512E-14	1.56752E-14	2.57073E-15
227	571430.6	4178159	0.55, 41781	0.9418	0.73869	1.04204	159.26436	53.60229	222.79179	21.61583	11.2268	27.84897	8.68E-11	9.01E-09	2.45E-09	2.68E-14	8.08E-14	6.39E-14	3.33E-15	8.05E-14	4.44E-15	8.82732E-14	8.677E-11	9.0054E-09	2.44788E-09	2.73853E-14	1.34736E-14	1.36689E-14	2.24169E-15
228	571470.6	4178159	0.55, 41781	0.79447	0.64516	0.85663	139.92539	51.85557	187.30754	21.06215	9.90602	27.91527	7.48E-11	8.22E-09	2.39E-09	2.31E-14	6.97E-14	5.51E-14	2.87E-15	6.94E-14	3.83E-15	7.61446E-14	7.485E-11	8.2248E-09	2.39479E-09	2.36226E-14	1.16223E-14	1.17908E-14	1.93369E-15
229	571510.6	4178159	0.55, 41781	0.67282	0.56206	0.7111	120.25585	49.92459	159.61818	19.96311	8.50885	26.60303	6.46E-11	7.52E-09	2.27E-09	1.99E-14	6.02E-14	4.75E-14	2.48E-15	5.99E-14	3.31E-15	6.57021E-14	6.458E-11	7.5208E-09	2.2716E-09	2.0383E-14	1.00284E-14	1.01738E-14	1.6685E-15
230	571550.6	4178159	0.55, 41781	0.57423	0.48972	0.59807	110.64777	47.57404	144.95635	18.4413	7.31081	24.15939	5.59E-11	7.04E-09	2.09E-09	1.72E-14	5.21E-14	4.11E-14	2.15E-15	5.18E-14	2.86E-15	5.68561E-14	5.589E-11	7.0398E-09	2.09332E-09	1.76386E-14	8.67821E-15	8.80401E-15	1.44386E-15
231	571590.6	4178159	0.55, 41781	0.49292	0.42713	0.50772	100.4908	44.5532	128.72625	16.74847	6.44552	21.45437	4.85E-11	6.48E-09	1.9E-09	1.5E-14	4.52E-14	3.57E-14	1.86E-15	4.5E-14	2.48E-15	4.93357E-14	4.849E-11	6.4754E-09	1.89516E-09	1.53056E-14	7.53034E-15	7.6395E-15	1.25288E-15
232	570310.6	4178199	0.55, 41781	0.10691	0.07648	0.10208	81.28791	24.55019	79.664	10.16099	3.94128	9.958	9E-12	3.93E-09	1.11E-09	2.78E-15	8.39E-15	6.63E-15	3.46E-16	8.35E-15	4.61E-16	9.16081E-15	9.005E-12	3.9311E-09	1.11208E-09	2.84199E-15	1.39826E-15	1.41853E-15	2.32638E-16
233	570350.6	4178199	0.55, 41781	0.11881	0.08587	0.11329	92.41038	27.80697	96.15133	11.5513	4.55912	12.01892	1.01E-11	4.53E-09	1.27E-09	3.11E-15	9.39E-15	7.42E-15	3.87E-16	9.35E-15	5.16E-16	1.02567E-14	1.008E-11	4.5289E-09	1.27285E-09	3.18196E-15	1.56552E-15	1.58822E-15	2.60468E-16
234	570390.6	4178199	0.55, 41781	0.13286	0.09703	0.12666	98.9418	30.67703	108.4605	12.36772	5.11284	13.55756	1.14E-11	5E-09	1.37E-09	3.51E-15	1.06E-14	8.36E-15	4.36E-16	1.05E-14	5.82E-16	1.15588E-14	1.136E-11	4.9961E-09	1.37131E-09	3.58591E-15	1.76427E-15	1.78984E-15	2.93534E-16
235	570430.6	4178199	0.55, 41781	0.14935	0.11037	0.14231	98.24021	33.47488	112.67373	12.28003	5.57915	14.08422	1.29E-11	5.29E-09	1.37E-09	3.98E-15	1.2E-14	9.48E-15	4.95E-16	1.2E-14	6.6E-16	1.3108E-14	1.288E-11	5.2859E-09	1.36925E-09	4.06653E-15	2.00073E-15	2.02974E-15	3.32877E-16
236	570470.6	4178199	0.55, 41781	0.1686	0.12646	0.16043	107.25905	35.76824	115.05444	13.40738	5.96137	14.38181	1.47E-11	5.6E-09	1.48E-09	4.54E-15	1.37E-14	1.08E-14	5.65E-16	1.36E-14	7.53E-16	1.49607E-14	1.471E-11	5.6048E-09	1.48269E-09	4.6413E-15	2.28352E-15	2.31662E-15	3.79926E-16
237	570510.6	4178199	0.55, 41781	0.19081	0.14598	0.18108	111.923	37.71142	131.96286	13.99038	6.28524	16.49536	1.69E-11	6.03E-09	1.57E-09	5.21E-15	1.57E-14	1.24E-14	6.49E-16	1.57E-14	8.65E-16	1.71802E-14	1.689E-11	6.0292E-09	1.5655E-09	5.32986E-15	2.62229E-15	2.6603E-15	4.3629E-16
238	570550.6	4178199	0.55, 41781	0.21602	0.16987	0.20494	119.57772	40.00549	129.21029	14.94721	6.67621	16.15129	1.95E-11	6.27E-09	1.65E-09	6.02E-15	1.82E-14	1.44E-14	7.5E-16	1.81E-14	1E-15	1.98591E-14	1.952E-11	6.2715E-09	1.65443E-09	6.16094E-15	3.03118E-15	3.07512E-15	5.0432E-16
239	570590.6	4178199	0.55, 41781	0.24388	0.19917	0.2325	124.08345	42.52786	147.10165	15.51043	7.78928	18.38771	2.27E-11	6.76E-09	1.74E-09	7E-15	2.11E-14	1.67E-14	8.72E-16	2.11E-14	1.16E-15	2.30926E-14	2.27E-11	6.757E-09	1.73683E-09	7.16409E-15	3.52473E-15	3.57582E-15	5.86435E-16
240	570630.6	4178199	0.55, 41781	0.27242	0.23473	0.26214	135.79301	45.13025	156.31523	16.97413	8.73982	19.5394	2.65E-11	7.21E-09	1.89E-09	8.16E-15	2.47E-14	1.95E-14	1.02E-15	2.45E-14	1.35E-15	2.69163E-14	2.646E-11	7.2137E-09	1.89354E-09	8.35035E-15	4.10837E-15	4.16793E-15	6.8354E-16
241	570670.6	4178199	0.55, 41781	0.29828	0.27729	0.29064	136.89517	48.04336	174.48935	17.44831	9.65486	21.81117	3.08E-11	7.7E-09	1.97E-09	9.5E-15	2.87E-14	2.27E-14	1.18E-15	2.86E-14	1.58E-15	3.13222E-14	3.079E-11	7.7034E-09	1.9677E-09	9.71719E-15	4.78086E-15	4.85016E-15	7.95427E-16
242	570710.6	4178199	0.55, 41781	0.321	0.32818	0.31291	151.98197	52.23375	185.24815	19.68934	11.4382	23.15602	3.57E-11	8.35E-09	2.2E-09	1.1E-14	3.33E-14	2.63E-14	1.37E-15	3.32E-14	1.83E-15	3.63602E-14	3.574E-11	8.3514E-09	2.20248E-09	1.12801E-14	5.54983E-15	5.63028E-15	9.23366E-16
243	570750.6	4178199	0.55, 41781	0.34558	0.38955	0.32771	144.14265	57.26085	196.68908	22.53194	13.53855	24.58613	4.15E-11	8.86E-09	2.5E-09	1.28E-14	3.87E-14	3.06E-14	1.6E-15	3.85E-14	2.13E-15	4.22563E-14	4.154E-11	8.855E-09	2.49689E-09	1.31093E-14	6.44978E-15	6.54328E-15	1.0731E-15
244	570790.6	4178199	0.55, 41781	0.38143	0.46429	0.35275	173.32889	66.95506	241.81218	25.57778	15.36352	36.58263	4.87E-11	1.05E-08	2.94E-09	1.5E-14	4.54E-14	3.59E-14	1.87E-15	4.52E-14	2.5E-15	4.95842E-14	4.874E-11	1.0547E-08	2.94126E-09	1.53827E-14	7.56827E-15	7.67798E-15	1.25919E-15
245	570830.6	4178199	0.55, 41781	0.44289	0.55991	0.39405	200.31972	78.9407	262.23048	28.47462	17.66262	37.4615	5.82E-11	1.21E-08	3.23E-09	1.8E-14	5.42E-14	4.28E-14	2.24E-15	5.4E-14	2.98E-15	5.92317E-14	5.822E-11	1.2113E-08	3.23417E-09	1.83756E-14	9.04081E-15	9.17187E-15	1.50419E-15
246	570870.6	4178199	0.55, 41781	0.55133	0.6879	0.45528	245.75399	83.68372	263.19795	34.28137	20.83884	36.18743	7.12E-11	1.3E-08	3.78E-09	2.2E-14	6.64E-14	5.24E-14	2.74E-15	6.61E-14	3.65E-15	7.24821E-14	7.125E-11	1.2988E-08	3.78389E-09	2.24864E-14	1.10633E-14	1.12237E-14	1.84068E-15
247	570910.6	4178199	0.55, 41781	0.74216	0.86472	0.57468	353.61381	98.21675	387.24795	44.20173	24.01316	48.40599	9.01E-11	1.69E-08	4.9E-09	2.78E-14	8.39E-14	6.63E-14	3.46E-15	8.36E-14	4.61E-15	9.16353E-14	9.007E-11	1.6851E-08	4.9004E-09	2.84283E-14	1.39867E-14	1.41895E-14	2.32708E-15
248	570950.6	4178199	0.55, 41781	1.08517	1.1274	0.77671	376.11466	111.85514	479.74888	52.74149	29.33795	59.96861	1.19E-10	1.94E-08	5.87E-09	3.67E-14	1.11E-13	8.75E-14	4.57E-15	1.1E-13	6.09E-15	1.20995E-13	1.189E-10	1.9406E-08	5.87438E-09	3.75366E-14	1.8468E-14	1.87357E-14	3.07266E-15
249	570990.6	4178199	0.55, 41781	1.58976	1.56693	1.05873	410.19015	135.68135	559.12982	68.60008	44.06737	76.18548	1.66E-10	2.28E-08	7.62E-09	5.12E-14	1.55E-13	1.22E-13	6.37E-15	1.54E-13	8.49E-15	1.68723E-13	1.658E-10	2.2805E-08	7.61837E-09	5.23434E-14	2.5753E-14	2.61263E-14	4.28471E-15
250	571030.6	4178199	0.55, 41781	2.42958	2.27373	1.377	561.74649	191.25505	728.04918	107.05418	55.40677	100.45619	2.4E-10	3.12E-08	1.17E-08	7.4E-14	2.24E-13	1.77E-13	9.21E-15	2.23E-13	1.23E-14	2.44063E-13	2.399E-10	3.1244E-08	1.16618E-08	7.57165E-14	3.72525E-14	3.77925E-14	6.19797E-15
251	571070.6	4178199	0.55, 41781	3.58306	3.18041	1.39903	721.18769	259.71405	966.70756	139.44796	73.67892	146.94766	3.31E-10	4.17E-08	1.54E-08	1.02E-13	3.08E-13	2.44E-13	1.27E-14	3.07E-13	1.69E-14	3.36632E-13	3.309E-10	4.1746E-08	1.53888E-08	1.04434E-13	5.13818E-14	5.21266E-14	8.54876E-15
252	571110.6	4178199	0.55, 41781	5.26167	3.22788	1.2956	536.30163	206.72583	1199.13306	116.57539	57.94295	153.9862	3.5E-10	3.82E-08	1.32E-08	1.08E-13	3.26E-13	2.58E-13	1.35E-14	3.25E-13	1.79E-14	3.56393E-13	3.503E-10	3.815E-08	1.32483E-08	1.10565E-13	5.43979E-14	5.51865E-14	9.05058E-15
253	571150.6	4178199	0.55, 41781	4.55265	2.7214	1.43074	406.82024	165.14744	1078.46551	75.27018	43.84452	138.95995	3.01E-10	3.17E-08	9.04E-09	9.28E-14	2.8E-13	2.21E-13	1.15E-14	2.79E-13	1.54E-14	3.05882E-13	3.007E-10	3.1749E-08	9.04119E-09	9.48949E-14	4.66883E-14	4.73651E-14	7.76787E-15
254	571190.6	4178199	0.55, 41781	3.6655	2.27193	1.9191	348.88414	129.45816	921.59929	55.11772	35.12171	118.18584	2.59E-10	2.61E-08	6.82E-09	7.98E-14	2.41E-13	1.9E-13	9.93E-15	2.4E-13	1.32E-14	2.63089E-13	2.586E-10	2.6122E-08	6.82296E-09	8.16189E-14	4.01565E-14	4.07386E-14	6.68113E-15
255	571230.6	4178199	0.55, 41781	2.99647	1.91661	2.63905	311.11499	100.77545	780.81724	44.29874	28.05958	97.60216	2.3E-10	2.15E-08	5.52E-09	7.09E-14	2.14E-13	1.69E-13	8.83E-15	2.13E-13	1.18E-14	2.33767E-13	2.298E-10	2.1505E-08	5.5159E-09	7.25224E-14	3.5681E-14	3.61983E-14	5.93652E-15
256	571270.6	4178199	0.55, 41781	2.48655	1.63354	2.7833	275.28639	78.6156	563.64868	36.03295	23.70769	70.45609	2.02E-10	1.65E-08	4.38E-09	6.23E-14	1.88E-13	1.48E-13	7.75E-15	1.87E-13	1.03E-14	2.05259E-13	2.018E-10	1.6537E-08	4.37662E-09	6.36782E-14	3.13297E-14	3.17838E-14	5.21255E-15
257	571310.6	4178199	0.55, 41781	2.04979	1.39182	2.36332	251.65063	69.80646	418.93362	31.45633	18.505	52.3667	1.71E-10	1.38E-08	3.71E-09	5.28E-14	1.59E-13	1.26E-13	6.57E-15	1.59E-13	8.76E-15	1.74094E-13	1.711E-10	1.375E-08	3.70813E-09	5.40099E-14	2.65729E-14	2.69581E-14	4.42112E-15
258	571350.6	4178199	0.55, 41781	1.66907	1.18291	1.84305	207.71058	67.17721	304.96385	28.41822	15.5683	43.42728	1.43E-10	1.17E-08	3.3E-09	4.4E-14	1.33E-13	1.05E-13	5.48E-15	1.32E-13	7.31E-15	1.45156E-13	1.427E-10	1.1683E-08	3.30217E-09	4.50322E-14	2.21559E-14	2.2477E-14	3.68623E-15
259	571390.6	4178199	0.55, 41781	1.33874	0.99933	1.42084	175.53523	63.93291	243.3206	26.80029	13.20173	40.55343	1.18E-10	1.03E-08	3.11E-09	3.65E-14	1.1E-13	8.7E-14	4.54E-15	1.1E-13	6.05E-15	1.20207E-13	1.182E-10	1.0323E-08	3.10922E-09	3.72922E-14	1.83478E-14	1.86137E-14	3.05265E-15
260	571430.6	4178199	0.55, 41781	1.08215	0.84466	1.12094	146.49279	60.30749	207.71024	24.41546	11.02968	34.61837	9.84E-11	9.28E-09	2.8E-09	3.04E-14	9.17E-14	7.24E-14	3.78E-15	9.13E-14	5.04E-15	1.00104E-13	9.84E-11	9.2806E-09	2.80389E-09	3.10557E-14	1.52794E-14	1.55009E-14	2.54215E-15
261	571470.6	4178199	0.55, 41781	0.88511	0.71494	0.90372	129.54701	55.96987	172.11269	21.59117	9.33698	28.68545	8.24E-11	8.3E-09	2.46E-09	2.54E-14	7.68E-14	6.07E-14	3.17E-15	7.65E-14	4.22E-15	8.38566E-14	8.243E-11	8.2954E-09	2.45579E-09	2.60151E-14	1.27994E-14	1.2985E-14	2.12954E-15
262	571510.6	4178199	0.55, 41781	0.73336	0.60746	0.74181	112.64977	51.14316	142.69265	18.77496	8.40942	23.78211	6.95E-11	7.34E-09	2.12E-09	2.15E-14	6.48E-14	5.12E-14	2.67E-15	6.45E-14	3.56E-15	7.07362E-14	6.953E-11	7.344E-09	2.12116E-09	2.19447E-14	1.07968E-14	1.09533E-14	1.79634E-15
263	571550.6	4178199	0.55, 41781	0.6189	0.52125	0.62191	97.68282	46.08498	120.36205	16.28047	7.59304	20.06034	5.94E-11	6.48E-09	1.83E-09	1.83E-14	5.53E-14	4.37E-14	2.28E-15	5.51E-14	3.04E-15	6.041E-14	5.938E-11	6.4787E-09	1.83241E-09	1.87412E-14	9.22068E-15	9.35434E-15	1.53411E-15
264	571590.6	4178199	0.55, 41781	0.52714	0.45016	0.52751	84.87826	41.93857	102.67653	14.14638	6.8553	17.11275	5.11E-11	5.77E-09	1.59E-09	1.58E-14	4.76E-14	3.76E-14	1.96E-15	4.74E-14	2.62E-15	5.19773E-14	5.109E-11	5.7718E-09	1.5883E-09	1.61251E-14	7.93354E-15	8.04855E-15	1.31996E-15
265	570310.6	4178239	0.55, 41782	0.10871	0.07725	0.10419	69.36135	22.19632	77.30253	9.49069	3.20395	10.55794	9.12E-12	3.58E-09	1.05E-09	2.81E-15	8.49E-15	6.71E-15	3.5E-16	8.46E-15	4.67E-16	9.27386E-15	9.116E-12	3.5785E-09	1.05421E-09	2.87706E-15	1.41551E-15	1.43603E-15	2.35509E-16
266	570350.6	4178239	0.55, 41782	0.12097	0.08699	0.11543	80.24676	23.95533	77.73127	10.03084	3.79637	10.6184	1.02E-11	3.84E-09	1.11E-09	3.16E-15	9.53E-15	7.53E-15	3.93E-16	9.49E-15	5.24E-16	1.04049E-14	1.023E-11	3.845E-09	1.10755E-09	3.22794E-15	1.58815E-15	1.61117E-15	2.64231E-16
267	570390.6	4178239	0.55, 41782	0.13576	0.09875	0.129	97.68381	28.15369	96.07123	12.21048	4.56788	12.0089	1.16E-11	4.61E-09	1.34E-09	3.57E-15	1.08E-14	8.51E-15	4.44E-16	1.07E-14	5.92E-16	1.17703E-14	1.157E-11	4.6102E-09	1.33692E-09	3.65154E-15	1.79656E-15	1.8226E-15	2.98906E-16
268	570430.6	4178239	0.55, 41782	0.15369	0.11303	0.14573	112.57412	32.01468	119.02369	14.07177	5.30028	14.87796	1.32E-11	5.38E-09	1.55E-09	4.07E-15	1.23E-14	9.72E-15	5.07E-16	1.22E-14	6.76E-16	1.34312E-14	1.32E-11	5.3776E-09	1.5535E-09	4.1668E-15	2.05007E-15	2.07979E-15	3.41085E-16
269	570470.6	4178239	0.55, 41782	0.17542	0.1305	0.16624	120.86213	35.6675	135.90431	15.10777	5.94458	16.98804	1.52E-11	5.99E-09	1.68E-09	4.69E-15	1.42E-14	1.12E-14	5.84E-16	1.41E-14	7.78E-16	1.54616E-14	1.52E-11	5.9869E-09	1.68037E-09	4.7967E-15	2.35998E-15	2.39419E-15	3.92647E-16
270	570510.6	4178239	0.55, 41782	0.20166	0.15208	0.19089	118.29832	38.86505	139.27939	14.78729	6.47751	17.40992	1.76E-11	6.28E-09	1.65E-09	5.45E-15	1.64E-14	1.3E-14	6.78E-16	1.64E-14	9.04E-16	1.7955E-14	1.765E-11	6.2831E-09	1.65437E-09	5.57025E-15	2.74056E-15	2.78029E-15	4.55967E-16
271	570550.6	4178239	0.55, 41782	0.23297	0.17899	0.21994	134.82021	41.51275	155.81716	16.85253	6.91879	19.47714	2.07E-11	6.88E-09	1.88E-09	6.38E-15	1.93E-14	1.52E-14	7.94E-16	1.92E-14	1.06E-15	2.1029E-14	2.067E-11	6.8814E-09	1.88093E-09	6.5239E-15	3.20976E-15	3.25629E-15	5.34031E-16
272	570590.6	4178239	0.55, 41782	0.26933	0.21289	0.25402	138.182	44.61865	161.93184	17.27275	7.89914	20.24148	2.44E-11	7.26E-09	1.93E-09	7.53E-15	2.27E-14	1.8E-14	9.38E-16	2.27E-14	1.25E-15	2.4839E-14	2.442E-11	7.2617E-09	1.93127E-09	7.7059E-15	3.7913E-15	3.84626E-15	6.30787E-16
273	570630.6	4178239	0.55, 41782	0.31001	0.25571	0.29378	151.57706	47.88426	180.12829	18.94713	9.37801	22.51604	2.91E-11	7.9E-09	2.12E-09	8.97E-15	2.71E-14	2.14E-14	1.12E-15	2.7E-14	1.49E-15	2.95578E-14	2.905E-11	7.9036E-09	2.12233E-09	9.16981E-15	4.51154E-15	4.57694E-15	7.50619E-16
274	570670.6	4178239	0.55, 41782	0.35129	0.30919	0.33746	163.01094	51.1286	193.67566	20.37637	10.66356	24.20946	3.47E-11	8.47E-09	2.28E-09	1.07E-14	3.23E-14	2.55E-14	1.33E-15	3.22E-14	1.78E-15	3.52808E-14	3.468E-11	8.4672E-09	2.28236E-09	1.09453E-14	5.38507E-15	5.46314E-15	8.95954E-16
275	570710.6	4178239	0.55, 41782	0.3879	0.37553	0.37852	161.77129	55.27243	215.9147	21.46966	11.91574	26.98934	4.14E-11	9.09E-09	2.42E-09	1.28E-14	3.85E-14	3.04E-14	1.59E-15	3.84E-14	2.12E-15	4.20691E-14	4.135E-11	9.0916E-09	2.42306E-09	1.30512E-14	6.42121E-15	6.51429E-15	1.06834E-15
276	570750.6	4178239	0.55, 41782	0.41955	0.45853	0.40652	185.09687	61.2613	243.75059	24.33831	15.0229	31.56234	4.93E-11	1.02E-08	2.76E-09	1.52E-14	4.59E-14	3.63E-14	1.89E-15	4.57E-14	2.52E-15	5.01274E-14	4.927E-11	1.0188E-08	2.75873E-09	1.55512E-14	7.65119E-15	7.7621E-15	1.27298E-15
277	570790.6	4178239	0.55, 41782	0.45531	0.56517	0.42739	195.76674	71.16962	229.68596	30.0466	17.67317	35.54387	5.92E-11	1.1E-08	3.36E-09	1.83E-14	5.52E-14	4.36E-14	2.27E-15	5.49E-14	3.03E-15	6.02424E-14	5.921E-11	1.0988E-08	3.36361E-09	1.86892E-14	9.19508E-15	9.32837E-15	1.52985E-15
278	570830.6	4178239	0.55, 41782	0.51729	0.70869	0.46924	186.14136	86.93814	313.42291	30.32646	20.0795	44.72862	7.29E-11	1.33E-08	3.5E-09	2.25E-14	6.79E-14	5.37E-14	2.8E-15	6.76E-14	3.73E-15	7.41668E-14	7.29E-11	1.3304E-08	3.50401E-09	2.3009E-14	1.13204E-14	1.14845E-14	1.88346E-15
279	570870.6	4178239	0.55, 41782	0.63421	0.91745	0.53024	225.98347	96.3139	311.28977	37.66391	24.81387	41.34654	9.31E-11	1.45E-08	4.18E-09	2.87E-14	8.67E-14	6.85E-14	3.57E-15	8.63E-14	4.77E-15	9.46909E-14	9.308E-11	1.4491E-08	4.17682E-09	2.93763E-14	1.44531E-14	1.46626E-14	2.40467E-15

280	570910.6	4178239	0.55, 41782	0.85302	1.23442	0.65693	293.13359	117.47886	326.7744	47.06613	30.6738	48.00957	1.25E-10	1.72E-08	5.17E-09	3.84E-14	1.16E-13	9.17E-14	4.78E-15	1.16E-13	6.38E-15	1.26694E-13	1.245E-10	1.7196E-08	5.17443E-09	3.93049E-14	1.9338E-14	1.96183E-14	3.2174E-15
281	570950.6	4178239	0.55, 41782	1.35023	1.79208	0.88884	455.80102	142.22416	478.03953	68.40553	39.86266	68.50221	1.81E-10	2.28E-08	7.5E-09	5.59E-14	1.69E-13	1.33E-13	6.96E-15	1.68E-13	9.27E-15	1.84238E-13	1.811E-10	2.2828E-08	7.50477E-09	5.71569E-14	2.81212E-14	2.85288E-14	4.67873E-15
282	570990.6	4178239	0.55, 41782	3.0182	3.06414	1.32054	885.93977	193.04223	771.54657	147.1874	58.20401	96.44332	3.14E-10	3.51E-08	1.55E-08	9.7E-14	2.93E-13	2.31E-13	1.21E-14	2.91E-13	1.61E-14	3.19632E-13	3.142E-10	3.5131E-08	1.55202E-08	9.91606E-14	4.8787E-14	4.94942E-14	8.11706E-15
283	571030.6	4178239	0.55, 41782	7.70332	4.46365	2.30139	679.65913	243.63294	1123.21669	144.28562	71.78775	156.8655	4.95E-10	4.19E-08	1.6E-08	1.53E-13	4.61E-13	3.64E-13	1.9E-14	4.59E-13	2.53E-14	5.03508E-13	4.949E-10	4.1858E-08	1.5982E-08	1.56205E-13	7.68528E-14	7.79669E-14	1.27866E-14
284	571110.6	4178239	0.55, 41782	48.37684	13.76668	3.52906	1082.14109	288.2044	2417.61379	441.33003	115.9324	328.07057	1.73E-09	6.57E-08	4.7E-08	5.32E-13	1.61E-12	1.27E-12	6.63E-14	1.6E-12	8.83E-14	1.75501E-12	1.725E-09	6.5671E-08	4.70154E-08	5.44464E-13	2.67876E-13	2.71759E-13	4.45685E-14
285	571150.6	4178239	0.55, 41782	14.38318	6.22649	4.84511	550.93904	192.81003	1871.63269	147.46183	59.89562	339.77194	7.46E-10	4.54E-08	1.85E-08	2.3E-13	6.95E-13	5.49E-13	2.87E-14	6.92E-13	3.82E-14	7.59321E-13	7.464E-10	4.5361E-08	1.85446E-08	2.35567E-13	1.15899E-13	1.17579E-13	1.92829E-14
286	571190.6	4178239	0.55, 41782	8.08563	4.10425	7.76231	423.01159	138.20819	1326.9025	88.76631	43.45879	203.98194	5.35E-10	3.26E-08	1.12E-08	1.65E-13	4.98E-13	3.93E-13	2.05E-14	4.96E-13	2.74E-14	5.43783E-13	5.345E-10	3.2611E-08	1.11564E-08	1.687E-13	8.30003E-14	8.42034E-14	1.38094E-14
287	571230.6	4178239	0.55, 41782	5.48613	3.01374	6.36519	364.79857	99.98669	820.37732	64.1708	32.88659	114.5851	3.96E-10	2.25E-08	7.66E-09	1.22E-13	3.69E-13	2.92E-13	1.52E-14	3.68E-13	2.03E-14	4.03114E-13	3.962E-10	2.2452E-08	7.66013E-09	1.25059E-13	6.15293E-14	6.24212E-14	1.02371E-14
288	571270.6	4178239	0.55, 41782	3.91656	2.30583	4.21608	308.69657	91.16262	501.73471	42.97299	25.31404	83.35946	2.92E-10	1.72E-08	5.21E-09	9.02E-14	2.72E-13	2.15E-13	1.12E-14	2.71E-13	1.5E-14	2.97412E-13	2.923E-10	1.7202E-08	5.21135E-09	9.22672E-14	4.53955E-14	4.60535E-14	7.55278E-15
289	571310.6	4178239	0.55, 41782	2.81911	1.80691	2.86031	238.76095	82.99282	368.88984	36.57222	19.65898	61.48164	2.21E-10	1.42E-08	4.32E-09	6.82E-14	2.06E-13	1.63E-13	8.49E-15	2.05E-13	1.13E-14	2.24995E-13	2.212E-10	1.4161E-08	4.31857E-09	6.98009E-14	3.43421E-14	3.48399E-14	5.71374E-15
290	571350.6	4178239	0.55, 41782	2.07392	1.43877	2.07081	186.98174	75.01218	257.12826	31.16362	15.62493	42.85471	1.72E-10	1.16E-08	3.56E-09	5.3E-14	1.6E-13	1.26E-13	6.6E-15	1.59E-13	8.8E-15	1.74851E-13	1.719E-10	1.1575E-08	3.56244E-09	5.42445E-14	2.66883E-14	2.70752E-14	4.44032E-15
291	571390.6	4178239	0.55, 41782	1.57003	1.1589	1.56847	153.36435	67.14235	200.39228	25.56072	13.28221	31.13336	1.36E-10	9.86E-09	2.87E-09	4.2E-14	1.27E-13	1E-13	5.23E-15	1.26E-13	6.98E-15	1.38584E-13	1.362E-10	9.8563E-09	2.87247E-09	4.29933E-14	2.11527E-14	2.14593E-14	3.51933E-15
292	571430.6	4178239	0.55, 41782	1.23548	0.94866	1.2378	124.99719	59.46648	164.5542	20.83286	11.6734	24.18073	1.1E-10	8.46E-09	2.33E-09	3.41E-14	1.03E-13	8.13E-14	4.24E-15	1.02E-13	5.66E-15	1.12366E-13	1.104E-10	8.4635E-09	2.32645E-09	3.48597E-14	1.7151E-14	1.73996E-14	2.85354E-15
293	571470.6	4178239	0.55, 41782	0.99131	0.7845	0.9961	109.3041	54.21436	142.14876	17.2339	10.26711	19.9293	9.07E-11	7.57E-09	1.92E-09	2.8E-14	8.45E-14	6.68E-14	3.48E-15	8.41E-14	4.64E-15	9.22726E-14	9.07E-11	7.5731E-09	1.92364E-09	2.8626E-14	1.4084E-14	1.42882E-14	2.34326E-15
294	571510.6	4178239	0.55, 41782	0.81688	0.65976	0.82266	100.30585	50.40167	129.05875	14.55844	9.03737	16.96469	7.59E-11	6.99E-09	1.63E-09	2.34E-14	7.07E-14	5.59E-14	2.92E-15	7.04E-14	3.89E-15	7.72435E-14	7.593E-11	6.9895E-09	1.6266E-09	2.39635E-14	1.17901E-14	1.1961E-14	1.9616E-15
295	571550.6	4178239	0.55, 41782	0.68618	0.56281	0.69258	92.19218	46.80105	116.817	12.52836	7.96128	14.60636	6.46E-11	6.44E-09	1.4E-09	1.99E-14	6.01E-14	4.75E-14	2.48E-15	5.99E-14	3.31E-15	6.56707E-14	6.455E-11	6.4436E-09	1.39987E-09	2.03732E-14	1.00236E-14	1.01689E-14	1.66771E-15
296	571590.6	4178239	0.55, 41782	0.57854	0.48285	0.58537	84.94405	43.3686	105.85184	10.89629	7.01254	13.23148	5.52E-11	5.94E-09	1.22E-09	1.7E-14	5.14E-14	4.06E-14	2.12E-15	5.12E-14	2.83E-15	5.61284E-14	5.517E-11	5.9367E-09	1.22401E-09	1.74129E-14	8.56715E-15	8.69134E-15	1.42538E-15
297	570310.6	4178279	0.55, 41782	0.11004	0.07807	0.10589	74.04292	22.79319	77.67346	10.17864	3.64675	10.70288	9.22E-12	3.68E-09	1.12E-09	2.85E-15	8.59E-15	6.79E-15	3.54E-16	8.56E-15	4.72E-16	9.38151E-15	9.222E-12	3.6814E-09	1.12298E-09	2.91046E-15	1.43194E-15	1.4527E-15	2.38243E-16
298	570350.6	4178279	0.55, 41782	0.12249	0.08802	0.11726	80.9847	23.74961	88.18196	11.08549	3.81596	12.05595	1.04E-11	3.96E-09	1.23E-09	3.2E-15	9.65E-15	7.62E-15	3.98E-16	9.61E-15	5.3E-16	1.05348E-14	1.036E-11	3.963E-09	1.22795E-09	3.26823E-15	1.60797E-15	1.63128E-15	2.6753E-16
299	570390.6	4178279	0.55, 41782	0.13757	0.10016	0.13084	86.03589	24.80698	96.47388	11.74551	4.00404	13.13274	1.17E-11	4.21E-09	1.31E-09	3.62E-15	1.09E-14	8.64E-15	4.51E-16	1.09E-14	6.01E-16	1.19371E-14	1.173E-11	4.2075E-09	1.30549E-09	3.70327E-15	1.82201E-15	1.84842E-15	3.03141E-16
300	570430.6	4178279	0.55, 41782	0.15607	0.11514	0.14747	96.31741	27.84204	100.58043	12.03968	4.46456	13.6645	1.34E-11	4.63E-09	1.34E-09	4.14E-15	1.25E-14	9.89E-15	5.16E-16	1.25E-14	6.88E-16	1.36647E-14	1.343E-11	4.625E-09	1.34068E-09	4.23926E-15	2.08571E-15	2.11595E-15	3.47015E-16
301	570470.6	4178279	0.55, 41782	0.17907	0.13378	0.16835	120.52086	33.01708	119.41006	15.06511	5.41696	14.92626	1.55E-11	5.55E-09	1.65E-09	4.8E-15	1.45E-14	1.14E-14	5.97E-16	1.44E-14	7.96E-16	1.58167E-14	1.555E-11	5.5484E-09	1.65082E-09	4.90686E-15	2.41417E-15	2.44917E-15	4.01664E-16
302	570510.6	4178279	0.55, 41782	0.20795	0.15724	0.19497	141.57577	37.85068	153.41811	17.69697	6.30845	19.17726	1.82E-11	6.6E-09	1.96E-09	5.62E-15	1.7E-14	1.34E-14	6.99E-16	1.69E-14	9.33E-16	1.85287E-14	1.821E-11	6.5979E-09	1.95946E-09	5.74821E-15	2.82812E-15	2.86911E-15	4.70535E-16
303	570550.6	4178279	0.55, 41782	0.24435	0.18714	0.22876	153.17347	42.50173	177.88461	19.14668	7.08362	22.23558	2.16E-11	7.42E-09	2.14E-09	6.67E-15	2.01E-14	1.59E-14	8.3E-16	2E-14	1.11E-15	2.19793E-14	2.16E-11	7.4207E-09	2.1383E-09	6.81871E-15	3.35481E-15	3.40344E-15	5.58164E-16
304	570590.6	4178279	0.55, 41782	0.28993	0.22577	0.27077	157.86485	46.41285	177.78268	19.73311	7.73548	22.22284	2.6E-11	7.81E-09	2.2E-09	8.01E-15	2.42E-14	1.91E-14	9.97E-16	2.41E-14	1.33E-15	2.64023E-14	2.595E-11	7.8079E-09	2.19525E-09	8.19087E-15	4.02991E-15	4.08833E-15	6.70486E-16
305	570630.6	4178279	0.55, 41782	0.34541	0.27631	0.32199	169.89337	50.77009	212.69617	21.23667	9.57894	26.58702	3.16E-11	8.74E-09	2.4E-09	9.74E-15	2.94E-14	2.32E-14	1.21E-15	2.93E-14	1.62E-15	3.21004E-14	3.155E-11	8.7379E-09	2.39542E-09	9.95862E-15	4.89964E-15	4.97066E-15	8.15189E-16
306	570670.6	4178279	0.55, 41782	0.40869	0.34273	0.38328	189.16159	55.36754	226.13934	23.6452	11.64813	28.26742	3.87E-11	9.5E-09	2.65E-09	1.2E-14	3.61E-14	2.85E-14	1.49E-15	3.59E-14	1.98E-15	3.94168E-14	3.874E-11	9.4958E-09	2.65065E-09	1.22284E-14	6.01638E-15	6.10359E-15	1.00099E-15
307	570710.6	4178279	0.55, 41782	0.47241	0.42944	0.45188	202.37611	59.97812	249.97635	25.29701	13.4468	31.24704	4.78E-11	1.03E-08	2.85E-09	1.48E-14	4.45E-14	3.52E-14	1.84E-15	4.44E-14	2.45E-15	4.86358E-14	4.781E-11	1.0323E-08	2.84819E-09	1.50885E-14	7.42352E-15	7.53113E-15	1.23511E-15
308	570750.6	4178279	0.55, 41782	0.52143	0.53099	0.51003	207.36077	66.44988	280.46815	28.38204	16.35494	35.05852	5.79E-11	1.13E-08	3.2E-09	1.79E-14	5.39E-14	4.26E-14	2.22E-15	5.37E-14	2.96E-15	5.88978E-14	5.789E-11	1.1314E-08	3.19555E-09	1.82721E-14	8.98985E-15	9.12017E-15	1.49571E-15
309	570790.6	4178279	0.55, 41782	0.56782	0.69623	0.54766	217.33897	75.80804	318.83899	33.24185	20.36018	42.96761	7.33E-11	1.27E-08	3.77E-09	2.26E-14	6.83E-14	5.39E-14	2.81E-15	6.8E-14	3.75E-15	7.45469E-14	7.328E-11	1.2704E-08	3.7662E-09	2.31269E-14	1.13785E-14	1.15434E-14	1.89312E-15
310	570830.6	4178279	0.55, 41782	0.62461	0.91706	0.58168	236.67869	94.57659	403.572	34.09074	24.90976	60.93237	9.36E-11	1.56E-08	4.07E-09	2.89E-14	8.72E-14	6.89E-14	3.59E-15	8.68E-14	4.79E-15	9.52046E-14	9.358E-11	1.5581E-08	4.07017E-09	2.95357E-14	1.45315E-14	1.47422E-14	2.41772E-15
311	570870.6	4178279	0.55, 41782	0.74364	1.27032	0.64347	232.57719	121.10786	430.4482	38.76287	29.17824	53.80602	1.26E-10	1.82E-08	4.44E-09	3.9E-14	1.18E-13	9.31E-14	4.86E-15	1.17E-13	6.47E-15	1.28626E-13	1.264E-10	1.8194E-08	4.43732E-09	3.99039E-14	1.96327E-14	1.99173E-14	3.26644E-15
312	570910.6	4178279	0.55, 41782	0.98087	1.94043	0.78377	289.58181	139.00222	423.1545	48.26363	45.30681	59.61258	1.89E-10	2.02E-08	5.43E-09	5.84E-14	1.76E-13	1.39E-13	7.26E-15	1.75E-13	9.69E-15	1.92427E-13	1.891E-10	2.0232E-08	5.43397E-09	5.96972E-14	2.9371E-14	2.97968E-14	4.88667E-15
313	570950.6	4178279	0.55, 41782	1.54705	3.33468	1.05206	380.89662	209.14004	464.4183	63.48277	60.99964	77.40305	3.2E-10	2.78E-08	7.14E-09	9.88E-14	2.98E-13	2.36E-13	1.23E-14	2.97E-13	1.64E-14	3.25605E-13	3.201E-10	2.7779E-08	7.13508E-09	1.01014E-13	4.96987E-14	5.04191E-14	8.26873E-15
314	571150.6	4178279	0.55, 41782	125.5821	15.27099	61.53709	2183.625	235.47088	4321.7852	1020.3296	115.3363	966.08792	3.33E-09	9.54E-08	1.11E-07	1.03E-12	3.1E-12	2.45E-12	1.28E-13	3.09E-12	1.71E-13	3.39006E-12	3.332E-09	9.537E-08	1.11254E-07	1.05171E-12	5.17441E-13	5.24942E-13	8.60905E-14
315	571190.6	4178279	0.55, 41782	19.14498	7.50998	20.68123	704.1647	157.76938	1300.13062	186.41477	61.8786	262.75525	1.1E-09	3.68E-08	2.14E-08	3.4E-13	1.03E-12	8.1E-13	4.23E-14	1.02E-12	5.64E-14	1.11982E-12	1.101E-09	3.6764E-08	2.13888E-08	3.47404E-13	1.70923E-13	1.73401E-13	2.84377E-14
316	571230.6	4178279	0.55, 41782	9.41744	4.44398	9.68706	418.2482	120.63814	710.71948	87.01567	39.51148	138.35634	6.01E-10	2.34E-08	1.02E-08	1.85E-13	5.6E-13	4.42E-13	2.31E-14	5.58E-13	3.08E-14	6.11508E-13	6.011E-10	2.3436E-08	1.01775E-08	1.8971E-13	9.33374E-14	9.46904E-14	1.55292E-14
317	571270.6	4178279	0.55, 41782	5.33507	3.02277	5.65407	265.61255	99.06709	486.13138	58.88721	29.56115	89.94232	3.87E-10	1.73E-08	6.84E-09	1.19E-13	3.6E-13	2.85E-13	1.49E-14	3.59E-13	1.98E-14	3.93491E-13	3.868E-10	1.7277E-08	6.84207E-09	1.22074E-13	6.00604E-14	6.09311E-14	9.9927E-15
318	571310.6	4178279	0.55, 41782	3.44949	2.20529	3.73581	197.38222	83.78037	349.19747	42.40574	23.44903	62.97539	2.73E-10	1.36E-08	4.9E-09	8.42E-14	2.54E-13	2.01E-13	1.05E-14	2.53E-13	1.4E-14	2.77758E-13	2.73E-10	1.3579E-08	4.905E-09	8.61699E-14	4.23956E-14	4.30102E-14	7.05367E-15
319	571350.6	4178279	0.55, 41782	2.42474	1.67304	2.63741	164.77993	74.08708	262.11907	31.82391	19.20475	45.98547	2.03E-10	1.13E-08	3.67E-09	6.26E-14	1.89E-13	1.49E-13	7.79E-15	1.88E-13	1.04E-14	2.06328E-13	2.028E-10	1.1337E-08	3.66531E-09	6.40098E-14	3.14928E-14	3.19493E-14	5.23969E-15
320	571390.6	4178279	0.55, 41782	1.80332	1.30805	1.94946	139.62437	66.18564	204.22507	24.75802	16.07748	34.84377	1.56E-10	9.68E-09	2.84E-09	4.82E-14	1.46E-13	1.15E-13	6E-15	1.45E-13	8E-15	1.58978E-13	1.563E-10	9.6844E-09	2.84002E-09	4.93202E-14	2.42655E-14	2.46173E-14	4.03723E-15
321	571430.6	4178279	0.55, 41782	1.38872	1.04688	1.49158	120.07885	59.47148	164.54693	19.78612	13.66223	27.17412	1.24E-10	8.42E-09	2.26E-09	3.82E-14	1.15E-13	9.1E-14	4.75E-15	1.15E-13	6.33E-15	1.25828E-13	1.237E-10	8.4153E-09	2.26141E-09	3.90362E-14	1.92058E-14	1.94842E-14	3.19541E-15
322	571470.6	4178279	0.55, 41782	1.11171	0.86066	1.18684	104.95004	53.66694	136.91558	16.34545	11.81303	21.87493	1.01E-10	7.42E-09	1.86E-09	3.11E-14	9.4E-14	7.43E-14	3.88E-15	9.36E-14	5.17E-15	1.02651E-13	1.009E-10	7.4178E-09	1.86109E-09	3.18459E-14	1.56682E-14	1.58953E-14	2.60683E-15
323	571510.6	4178279	0.55, 41782	0.90331	0.71725	0.95952	92.95227	48.50847	116.77816	13.70064	10.27697	17.93941	8.35E-11	6.6E-09	1.56E-09	2.58E-14	7.78E-14	6.15E-14	3.21E-15	7.75E-14	4.28E-15	8.49441E-14	8.35E-11	6.6001E-09	1.55508E-09	2.63525E-14	1.29654E-14	1.31534E-14	2.15715E-15
324	571550.6	4178279	0.55, 41782	0.74685	0.60641	0.79002	83.35854	43.88956	102.16829	11.6678	9.00306	14.97338	7.02E-11	5.92E-09	1.32E-09	2.17E-14	6.54E-14	5.16E-14	2.69E-15	6.51E-14	3.59E-15	7.13822E-14	7.016E-11	5.9213E-09	1.32059E-09	2.21451E-14	1.08954E-14	1.10533E-14	1.81275E-15
325	571590.6	4178279	0.55, 41782	0.63093	0.52161	0.66513	75.57295	41.1264	91.05382	10.11638	7.96472	12.7323	6.01E-11	5.47E-09	1.14E-09	1.85E-14	5.6E-14	4.42E-14	2.31E-15	5.57E-14	3.08E-15	6.11044E-14	6.006E-11	5.4658E-09	1.14192E-09	1.89566E-14	9.32666E-15	9.46186E-15	1.55174E-15
326	570310.6	4178319	0.55, 41783	0.1112	0.07908	0.10686	65.67409	25.12162	71.57917	10.72274	3.92383	11.92986	9.33E-12	3.73E-09	1.19E-09	2.88E-15	8.7E-15	6.87E-15	3.58E-16	8.66E-15	4.78E-16	9.49522E-15	9.333E-12	3.7276E-09	1.19108E-09	2.94574E-15	1.4493E-15	1.47031E-15	2.41131E-16
327	570350.6	4178319	0.55, 41783	0.12381	0.08915	0.11863	72.99363	26.3644	78.028	10.96785	4.13077	12.26515	1.05E-11	3.99E-09	1.22E-09	3.24E-15	9.77E-15	7.72E-15	4.03E-16	9.73E-15	5.37E-16	1.06658E-14	1.048E-11	3.988E-09	1.21907E-09	3.30888E-15	1.62797E-15	1.65157E-15	2.70857E-16
328	570390.6	4178319	0.55, 41783	0.13907	0.1015	0.13256	85.61577	27.73961	87.79758	11.84211	4.3586	12.34233	1.19E-11	4.35E-09	1.31E-09	3.67E-15	1.11E-14	8.75E-15	4.57E-16	1.1E-14	6.09E-16	1.2093E-14	1.189E-11	4.3531E-09	1.30515E-09	3.75164E-15	1.84581E-15	1.87256E-15	3.071E-16
329	570430.6	4178319	0.55, 41783	0.15783	0.11689	0.14946	97.99246	29.27563	105.83642	13.47747	4.61214	14.5399	1.36E-11	4.83E-09	1.49E-09	4.2E-15	1.27E-14	1E-14	5.23E-16	1.26E-14	6.98E-16	1.38631E-14	1.363E-11	4.8317E-09	1.49147E-09	4.30081E-15	2.116E-15	2.14667E-15	3.52054E-16
330	570470.6	4178319	0.55, 41783	0.18134	0.13633	0.17027	108.90086	31.01454	122.78	14.92794	4.89871	16.74752	1.58E-11	5.3E-09	1.66E-09	4.88E-15	1.47E-14	1.16E-14	6.07E-16	1.47E-14	8.1E-16	1.60905E-14	1.582E-11	5.3002E-09	1.6599E-09	4.99182E-15	2.45598E-15	2.49158E-15	4.08619E-16
331	570510.6	4178319	0.55, 41783	0.21129	0.16124	0.19656	118.40452	33.29424	135.32696	15.9306	5.40834	18.39398	1.86E-11	5.75E-09	1.78E-09	5.74E-15	1.73E-14	1.37E-14	7.15E-16	1.73E-14	9.53E-16	1.89382E-14	1.862E-11	5.7479E-09	1.77782E-09	5.87527E-15	2.89063E-15	2.93253E-15	4.80936E-16
332	570550.6	4178319	0.55, 41783	0.2503	0.19368	0.23096	153.9338	39.94632	153.89508	19.24172	6.62991	19.23689	2.23E-11	6.91E-09	2.11E-09	6.87E-15	2.07E-14	1.64E-14	8.55E-16	2.07E-14	1.14E-15	2.26488E-14	2.226E-11	6.909E-09	2.11061E-09	7.02642E-15	3.457E-15	3.50711E-15	5.75166E-16
333	570590.6	4178319	0.55, 41783	0.30196	0.23671	0.27701	186.54438	46.61587	209.37606	23.31805	7.76931	26.17201	2.71E-11	8.5E-09	2.59E-09	8.36E-15	2.53E-14	1.99E-14	1.04E-15	2.51E-14	1.39E-15	2.75752E-14	2.71E-11	8.4976E-09	2.59298E-09	8.55474E-15	4.20893E-15	4.26994E-15	7.00271E-16
334	570630.6	4178319	0.55, 41783	0.37105	0.29503	0.3391	205.0145	52.79857	247.59232	25.62681	8.79976	30.94904	3.37E-11	9.69E-09	2.88E-09	1.04E-14	3.14E-14	2.48E-14	1.29E-15	3.12E-14	1.72E-15	3.42387E-14	3.365E-11	9.6915E-09	2.87664E-09	1.0622E-14	5.22602E-15	5.30177E-15	8.69491E-16
335	570670.6	4178319	0.55, 41783	0.462	0.37572	0.42024	218.45656	59.57781	273.51496	27.30707	11.98561	34.18937	4.26E-11	1.07E-08	3.08E-09	1.31E-14	3.97E-14	3.14E-14	1.64E-15	3.95E-14	2.18E-15	4.33519E-14	4.261E-11	1.0737E-08	3.08017E-09	1.34492E-14	6.61701E-15	6.71293E-15	1.10092E-15
336	570710.6	4178319	0.55, 41783	0.57218	0.48827	0.5224	242.44958	66.62286	291.17197	30.3062	15.15553	36.3965	5.48E-11	1.18E-08	3.4E-09	1.69E-14	5.11E-14	4.03E-14	2.1E-15	5.08E-14	2.81E-15	5.5758E-14	5.481E-11	1.1807E-08	3.39939E-09	1.7298E-14	8.51062E-15	8.63398E-15	1.41597E-15
337	570750.6	4178319	0.55, 41783	0.67767	0.63416	0.63666	262.41203	72.71034	341.04886	32.8015	17.84948	42.63111	7E-11	1.32E-08	3.72E-09	2.16E-14	6.52E-14	5.15E-14	2.69E-15	6.5E-14	3.59E-15	7.12373E-14	7.002E-11	1.3151E-08	3.71918E-09	2.21002E-14	1.08733E-14	1.10309E-14	1.80907E-15
338	570790.6	4178319	0.55, 41783	0.76041	0.85502	0.73352	285.66779	86.45349	381.79277	42.9347	23.67926	50.68659	9.14E-11	1.51E-08	4.81E-09	2.82E-14	8.51E-14	6.72E-14	3.51E-15	8.48E-14	4.68E-15	9.29454E-14	9.136E-11	1.5085E-08	4.80512E-09	2.88348E-14	1.41867E-14	1.43924E-14	2.36035E-15
339	570830.6	4178319	0.55, 41783	0.82107	1.23378	0.77266	302.59427	109.05103	424.78874	45.07728	29.79255	65.49858	1.26E-10	1.78E-08	5.2E-09	3.88E-14	1.17E-13	9.24E-14	4.82E-15	1.17E-13	6.43E-15	1.27768E-13	1.256E-10	1.7759E-08	5.19622E-09	3.96378E-14	1.95018E-14	1.97845E-14	3.24465E-15
340	570870.6	4178319	0.55, 41783	0.93174	1.8881	0.81484	263.71888	150.69846	583.61	37.23183	42.82711	79.94464	1.84E-10	2.3E-08	4.61E-09	5.69E-14	1.72E-13	1.36E-13	7.08E-15	1.71E-13	9.45E-15	1.87664E-13	1.845E-10	2.2978E-08	4.61025E-09	5.82197E-14	2.86441E-14	2.90593E-14	4.76573E-15
341	570910.6	4178319	0.55, 41783	1.19482	3.5981	0.94641	225.26352	195.84246	582.08496	37.31993	59.22953	72.76062	3.38E-10	2.65E-08	4.53E-09	1.04E-13	3.15E-13	2.49E-13	1.3E-14	3.14E-13	1.73E-14	3.44203E-13	3.383E-10	2.6531E-08	4.53032E-09	1.06783E-13	5.25374E-14	5.3299E-14	8.74103E-15
342	571190.6	4178319	0.55, 41783	29.13102	9.74239	24.19825	1204.46355	192.40018	1781.17361	337.10397	86.14095	400.692	1.44E-09	5.07E-08	3.78E-08	4.44E-13	1.34E-12	1.06E-12	5.52E-14	1.33E-12	7.36E-14	1.46279E-12	1.438E-09	5.0652E-08	3.77612E-08	4.53805E-13	2.23272E-13	2.26509E-13	3.71474E-14
343	571230.6	4178319	0.55, 41783	10.45163	5.25398	11.58574	479.33008	117.37647	725.29291	126.19986	44.06446	185.38424	7.06E-10	2.39E-08	1.46E-08	2.18E-13	6.57E-13	5.19E-13	2.71E-14	6.55E-13	3.61E-14	7.17793E-13	7.056E-10	2.3932E-08	1.45723E-08	2.22683E-13	1.0956E-13	1.11148E-13	1.82283E-14
344	571270.6	4178319	0.55, 41783	5.72808	3.4301	6.64009	292.22118	96.9874	479.91721	63.79547	33.00222	105.59121	4.38E-10	1.73E-08	7.51E-09	1.35E-13	4.09E-13	3.23E-13	1.68E-14	4.07E-13	2.25E-14	4.46057E-13	4.384E-10	1.728E-08	7.51278E-09	1.38382E-13	6.80838E-14	6.90707E-14	1.13276E-14
345	571310.6	4178319	0.55, 41783	3.67711	2.43151	4.23514	175.48484	83.52768	339.71763	43.52526	25.92364	69.01312	3.01E-10	1.32E-08	5.09E-09	9.29E-14	2.81E-13	2.22E-13	1.16E-14	2.79E-13	1.54E-14	3.06441E-13	3.012E-10	1.3225E-08	5.08839E-09	9.50681E-14	4.67735E-14	4.74515E-14	7.78205E-15
346	571350.6	4178319	0.55, 41783	2.57847	1.81872	2.91777	135.74456	73.58424	245.66728	31.86463	21.08438	47.561	2.21E-10	1.08E-08	3.69E-09	6.81E-14	2.05E-13	1.62E-13	8.47E-15	2.05E-13	1.13E-14	2.24354E-13	2.205E-10	1.0804E-08	3.68868E-09	6.9602E-14	3.42442E-14	3.47406E-14	5.69746E-15
347	571390.6	4178319	0.55, 41783	1.91038	1.41202	2.12389	114.67965	65.84745	189.40245	24.95277	17.54375	35.6451	1.69E-10	9.23E-09	2.87E-09	5.2E-14	1.57E-13	1.24E-13	6.47E-15	1.56E-13	8.63E-15	1.71494E-13	1.686E-10	9.2263E-09	2.86886E-09	5.32033E-14	2.6176E-14	2.65555E-14	4.35509E-15
348	571430.6	4178319	0.55, 41783	1.47151	1.12853	1.61377	100.57811	59.61061	161.57422	20.18585	14.84739	27.57311	1.33E-10	8.2E-09	2.31E-09	4.11E-14	1.24E-13	9.8E-14	5.11E-15	1.24E-13	6.82E-15	1.3546E-13	1.331E-10	8.1987E-09	2.30524E-09	4.20241E-14	2.06759E-14	2.09756E-14	3.44E-15
349	571470.6	4178319	0.55, 41783	1.16585	0.92218	1.2649	90.09229	54.43044	139.38169	16.69193	12.71837	21.87498	1.08E-10	7.37E-09	1.89E-09	3.33E-14	1E-13	7.93E-14	4.14E-15	1E-13	5.52E-15	1.0965E-13	1.078E-10	7.3686E-09	1.89483E-09	3.40171E-14	1.67364E-14	1.6979E-14	2.78456E-15
350	571510.6	4178319	0.55, 41783	0.94595	0.76805	1.01773	81.52103	50.05282	121.69	14.06823	11.00608	17.76049	8.91E-11	6.68E-09	1.59E-09	2.75E-14	8.3E-14	6.56E-14	3.42E-15	8.26E-14	4.56E-15	9.06242E-14	8.908E-11	6.6831E-09	1.58867E-09	2.81147E-14	1.38324E-14	1.40329E-14	2.3014E-15
351	571550.6	4178319	0.55, 41783	0.78212	0.64956	0.83556	74.38547	46.28731	107.35752	12.02264	9.59923	14.66288	7.48E-11	6.11E-09	1.35E-09	2.31E-14	6.97E-14	5.51E-14	2.87E-15	6.94E-14	3.83E-15	7.61485E-14	7.485E-11	6.1066E-09	1.35132E-09	2.36238E-14	1.16229E-14	1.17914E-14	1.93379E-15
352	571590.6	4178319	0.55, 41783	0.65442	0.55508	0.69496	68.29245	42.98116	95.34122	10.3334	8.40789	12.26582	6.36E-11	5.61E-09	1.16E-09	1.96E-14	5.92E-14	4.68E-14	2.44E-15	5.9E-14	3.26E-15	6.46938E-14	6.359E-11	5.6092E-09	1.1573E-09	2.00702E-14	9.87453E-15	1.00177E-14	1.6429E-15
353	570310.6	4178359	0.55, 41783	0.11229	0.07993	0.10794	69.29068	26.58817	75.81746	11.54845	4.0095	12.46153	9.43E-12	3.94E-09	1.28E-09	2.91E-15	8.79E-15	6.94E-15	3.62E-16	8.75E-15	4.83E-16	9.59537E-15	9.432E-12	3.9438E-09	1.27803E-09	2.9768E-15	1.46459E-15	1.48582E-15	2.43674E-16
354	570350.6	4178359	0.55, 41783	0.12531	0.09043	0.1201	75.30937	28.06345	82.61098	12.55156	4.25756	13.7685	1.06E-11	4.22E-09	1.39E-09	3.28E-15	9.9E-15	7.82E-15	4.08E-16	9.86E-15	5.44E-16	1.08132E-14	1.063E-11	4.216E-09	1.39181E-09	3.35461E-15	1.65047E-15	1.6744E-15	2.74601E-16
355	570390.6	4178359	0.55, 41783	0.14084	0.10296	0.13441	81.29058	29.71471	90.82388	13.54843	4.53386	15.13731	1.21E-11	4.52E-09	1.51E-09	3.72E-15	1.12E-14	8.87E-15	4.63E-16	1.12E-14	6.17E-16	1.22639E-14	1.205E-11	4.5206E-09	1.50574E-09	3.80467E-15	1.8719E-15	1.89903E-15	3.11441E-16
356	570430.6	4178359	0.55, 41783	0.15989	0.11858	0.15186	87.11605	31.54887	98.44842	14.51934	4.83992	16.40807	1.38E-11	4.83E-09	1.62E-09	4.27E-15	1.29E-14	1.02E-14	5.31E-16	1.28E-14	7.08E-16	1.40643E-14	1.382E-11	4.8325E-09	1.61593E-09	4.36323E-15	2.14671E-15	2.17783E-15	3.57163E-16
357	570470.6	4178359	0.55, 41783	0.18374	0.13844	0.17326	97.3598	33.59814	106.34308	15.36354	5.1813	17.51553	1.61E-11	5.21E-09	1.71E-09	4.96E-15	1.5E-14	1.18E-14	6.17E-16	1.49E-14	8.23E-16	1.63399E-14	1.606E-11	5.21E-09	1.71178E-09	5.06919E-15	2.49404E-15	2.5302E-15	4.14952E-16
358	570510.6	4178359	0.55, 41783	0.21432	0.16421	0.20002	118.04415	35.93263	125.3205	16.48105	5.5698	18.1537	1.89E-11	5.85E-09	1.83E-09	5.85E-15	1.77E-14	1.39E-14	7.28E-16	1.76E-14	9.7E-16	1.92764E-14	1.895E-11	5.852E-09	1.82845E-09	5.98018E-15	2.94225E-15	2.9849E-15	4.89524E-16
359	570550.6	4178359	0.55, 41783	0.25472	0.19842	0.23435	139.50155	38.63371	157.96544	19.4148	6.01971	21.81117	2.28E-11	6.7E-09	2.16E-09	7.02E-15	2.12E-14	1.68E-14	8.74E-16	2.11E-14	1.17E-15	2.31577E-14	2.276E-11	6.702E-09	2.15918E-09	7.18428E-15	3.53467E-15	3.5859E-15	5.88088E-16
360	570590.6	4178359	0.55, 41783	0.30979	0.24497	0.28017	159.83108	41.83842	190.36526	22.23989	6.84975	26.13545	2.79E-11	7.58E-09	2.49E-09	8.62E-15	2.6E-14	2.06E-14	1.07E-15	2.59E-14	1.43E-15	2.84287E-14	2.794E-11	7.582E-09	2.48754E-09	8.81954E-15	4.33921E-15	4.40212E-15	7.21947E-16
361	570630.6	4178359	0.55, 41783	0.38734	0.31015	0.34391	206.43147	51.05257	211.21178	25.80393	8.50876	28.98998	3.52E-11	9.1E-09	2.87E-09	1.09E-14	3.28E-14	2.59E-14	1.35E-15	3.27E-14	1.8E-15	3.58085E-14	3.52E-11	9.1045E-09	2.86975E-09	1.1109E-14	5.46563E-15	5.54486E-15	9.09357E-16
362	570670.6	4178359	0.55, 41783	0.50063	0.40488	0.43681	262.98595	60.70684	312.78941	32.87324	10.74505	39.09868	4.57E-11	1.18E-08	3.68E-09	1.41E-14	4.26E-14	3.37E-14	1.76E-15	4.24E-14	2.34E-15	4.65432E-14	4.575E-11	1.1758E-08	3.68264E-09	1.44392E-14	7.10411E-15	7.20709E-15	1.18196E-15
363	570710.6	4178359	0.55, 41783	0.66972	0.54814	0.57453	304.17814	72.14807	380.66102	38.02227	15.71205	47.58263	6.17E-11	1.4E-08	4.29E-09	1.9E-14	5.74E-14	4.54E-14	2.37E-15	5.72E-14	3.16E-15	6.272E-14	6.165E-11	1.4002E-08	4.28854E-09	1.94578E-14	9.57325E-15	9.71202E-15	1.59277E-15
364	570750.6	4178359	0.55, 41783	0.90523	0.76876	0.77041	339.35657	85.82023	445.46467	44.72327	21.31802	55.68308	8.57E-11	1.63E-08	5.04E-09	2.64E-14	7.98E-14	6.31E-14	3.29E-15	7.95E-14	4.39E-15	8.71795E-14	8.569E-11	1.6343E-08	5.04083E-09	2.7046E-14	1.33066E-14	1.34995E-14	2.21392E-15
365	570790.6	4178359	0.55, 41783	1.13154	1.06104	0.98839	377.53193	96.31599	507.3356	54.94081	27.90141	63.41695	1.16E-10	1.84E-08	6.13E-09	3.59E-14	1.08E-13	8.55E-14	4.46E-15	1.08E-13	5.95E-15	1.18204E-13	1.162E-10	1.84E-08	6.13102E-09	3.66709E-14	1.80421E-14	1.83036E-14	3.00179E-15
366	570830.6	4178359	0.55, 41783	1.33226	1.74963	1.18947	411.58415	139.14147	649.42864	69.46909	37.35577	97.59965	1.81E-10	2.42E-08	7.97E-09	5.58E-14	1.69E-13	1.33E-13	6.95E-15	1.68E-13	9.26E-15	1.84046E-13	1.809E-10	2.4234E-08	7.96679E-09	5.70973E-14	2.80919E-14	2.84991E-14	4.67385E-15
367	570870.6	4178359	0.55, 41783	1.45984	3.38436	1.19217	346.78431	184.49712	847.26971	52.43952	61.49528	124.03925	3.25E-10	3E-08	6.63E-09	1E-13	3.03E-13	2.39E-13	1.25E-14	3.02E-13	1.67E-14	3.3091E-13	3.253E-10	3.0002E-08	6.63428E-09	1.02659E-13	5.05084E-14	5.12406E-14	8.40345E-15
368	571150.6	4178359	0.55, 41783	17.36196	17.82412	10.70274	1537.79423	258.8776	2153.28101	350.34789	128.93656	372.67701	1.86E-09	6.43E-08	3.87E-08	5.75E-13	1.74E-12	1.37E-12	7.15E-14	1.73E-12	9.54E-14	1.89521E-12	1.863E-09	6.4339E-08	3.87056E-08	5.87958E-13	2.89276E-13	2.93469E-13	4.81289E-14
369	571190.6	4178359	0.55, 41783	10.35157	8.16971	8.42586	590.93034	162.31709	1380.32388	161.82999	76.08872	218.22557	9.21E-10	3.7E-08	1.84E-08	2.84E-13	8.58E-13	6.78E-13	3.54E-14	8.54E-13	4.72E-14	9.36793E-13	9.208E-10	3.7034E-08	1.84463E-08	2.90624E-13	1.42987E-13	1.4506E-13	2.37898E-14
370	571230.6	4178359	0.55, 41783	6.41954	4.85697	6.11014	429.96716	118.18476	649.38165	103.83364	47.29307	136.54892	5.64E-10	2.26E-08	1.18E-08	1.74E-13	5.25E-13	4.15E-13	2.16E-14	5.23E-13	2.89E-14	5.73391E-13	5.636E-10	2.2581E-08	1.17928E-08	1.77885E-13	8.75195E-14	8.87881E-14	1.45613E-14
371	571270.6	4178359	0.55, 41783	4.24607	3.28764	4.46672	330.34534	97.41521	669.03521	71.25122	30.79427	101.30501	3.85E-10	2E-08	8.19E-09	1.19E-13	3.58E-13	2.83E-13	1.48E-14	3.57E-13	1.97E-14	3.91274E-13	3.846E-10	2.0023E-08	8.18597E-09	1.21386E-13	5.97221E-14	6.05878E-14	9.9364E-15
372	571310.6	4178359	0.55, 41783	3.01802	2.39332	3.29044	280.32399	84.30249	476.5001	47.38187	23.6076	69.83839	2.8E-10	1.6E-08	5.47E-09	8.63E-14	2.61E-13	2.06E-13	1.07E-14	2.6E-13	1.43E-14	2.84592E-13	2.797E-10	1.6011E-08	5.47409E-09	8.82899E-14	4.34386E-14	4.40683E-14	7.2272E-15
373	571350.6	4178359	0.55, 41783	2.25439	1.82521	2.47896	223.1696	75.03337	276.07803	32.74083	19.24184	47.29925	2.12E-10	1.22E-08	3.77E-09	6.56E-14	1.98E-13	1.56E-13	8.16E-15	1.97E-13	1.09E-14	2.16183E-13	2.125E-10	1.2167E-08	3.77078E-09	6.70671E-14	3.2997E-14	3.34753E-14	5.48995E-15
374	571390.6	4178359	0.55, 41783	1.7395	1.43625	1.90839	164.0034	68.00709	177.73654	25.39154	16.17569	38.72375	1.66E-10	9.76E-09	2.95E-09	5.13E-14	1.55E-13	1.22E-13	6.39E-15	1.54E-13	8.52E-15	1.69238E-13	1.664E-10	9.7577E-09	2.94951E-09	5.25031E-14	2.58315E-14	2.6206E-14	4.29778E-15
375	571430.6	4178359	0.55, 41783	1.37666	1.15767	1.50113	113.66708	62.41604	162.05892	21.33563	13.79366	30.03325	1.33E-10	8.58E-09	2.45E-09	4.12E-14	1.24E-13	9.82E-14	5.12E-15	1.24E-13	6.83E-15	1.35692E-13	1.334E-10	8.5792E-09	2.44751E-09	4.2096E-14	2.07113E-14	2.10115E-14	3.44588E-15
376	571470.6	4178359	0.55, 41783	1.11313	0.95193	1.20554	91.64258	57.80687	139.39839	17.74486	11.89568	22.85385	1.09E-10	7.68E-09	2.01E-09	3.37E-14	1.02E-13	8.03E-14	4.19E-15	1.01E-13	5.59E-15	1.11026E-13	1.091E-10	7.6796E-09	2.00942E-09	3.44441E-14	1.69465E-14	1.71921E-14	2.81951E-15
377	571510.6	4178359	0.55, 41783	0.9166	0.79605	0.98663	82.11168	53.90312	116.32041	14.64829	10.35284	20.08654	9.09E-11	6.96E-09	1.67E-09	2.8E-14	8.47E-14	6.69E-14	3.49E-15	8.43E-14	4.65E-15	9.24332E-14	9.086E-11	6.9597E-09	1.6738E-09	2.86759E-14	1.41085E-14	1.4313E-14	2.34734E-15
378	571550.6	4178359	0.55, 41783	0.76622	0.67498	0.82026	72.9064	50.52239	102.58687	12.13868	9.07968	17.28494	7.67E-11	6.4E-09	1.39E-09	2.37E-14	7.15E-14	5.65E-14	2.95E-15	7.12E-14	3.93E-15	7.80606E-14	7.673E-11	6.4039E-09	1.39492E-09	2.4217E-14	1.19148E-14	1.20875E-14	1.98235E-15
379	571590.6	4178359	0.55, 41783	0.64386	0.57575	0.68602	65.94968	47.48497	92.44167	10.99161	8.00686	15.40694	6.52E-11	5.94E-09	1.26E-09	2.01E-14	6.07E-14	4.8E-14	2.5E-15	6.05E-14	3.34E-15	6.63163E-14	6.519E-11	5.9446E-09	1.26009E-09	2.05735E-14	1.01222E-14	1.02689E-14	1.6841E-15
380	570310.6	4178399	0.55, 41783	0.11287	0.08031	0.1093	71.34246	27.87564	79.43468	11.89041	3.82503	13.23911	9.49E-12	4.12E-09	1.32E-09	2.93E-15	8.84E-15	6.98E-15	3.64E-16	8.8E-15	4.86E-16	9.65206E-15	9.487E-12	4.1213E-09	1.3209E-09	2.99439E-15	1.47324E-15	1.4946E-15	2.45114E-16
381	570350.6	4178399	0.55, 41783	0.12665	0.09175	0.12214	75.96419	29.57043	83.22909	12.46202	4.12173	13.80548	1.08E-11	4.36E-09	1.38E-09	3.33E-15	1E-14	7.94E-15	4.14E-16	1E-14	5.52E-16	1.09697E-14	1.078E-11	4.3619E-09	1.38354E-09	3.40318E-15	1.67436E-15	1.69863E-15	2.78576E-16
382	570390.6	4178399	0.55, 41783	0.1425	0.10434	0.13672	83.29233	31.439	92.96873	13.04897	4.44958	14.404	1.22E-11	4.72E-09	1.45E-09	3.77E-15	1.14E-14	8.99E-15	4.69E-16	1.13E-14	6.26E-16	1.24323E-14	1.222E-11	4.7177E-09	1.44807E-09	3.85693E-15	1.89761E-15	1.92512E-15	3.15719E-16
383	570430.6	4178399	0.55, 41783	0.16211	0.12032	0.15453	91.32735	33.521	103.76057	14.59534	4.81492	15.65812	1.4E-11	5.11E-09	1.61E-09	4.33E-15	1.31E-14	1.03E-14	5.39E-16	1.3E-14	7.19E-16	1.4275E-14	1.403E-11	5.112E-09	1.61409E-09	4.42858E-15	2.17886E-15	2.21044E-15	3.62513E-16
384	570470.6	4178399	0.55, 41783	0.18668	0.14051	0.17655	100.43451	35.89015	115.76296	16.57018	5.22899	18.35818	1.63E-11	5.56E-09	1.84E-09	5.03E-15	1.52E-14	1.2E-14	6.26E-16	1.51E-14	8.35E-16	1.6595E-14	1.631E-11	5.557E-09	1.83965E-09	5.14831E-15	2.53297E-15	2.56969E-15	4.21428E-16
385	570510.6	4178399	0.55, 41783	0.21834	0.16684	0.20421	112.76596	38.62084	128.93318	18.79433	5.70408	21.48886	1.93E-11	6.08E-09	2.09E-09	5.95E-15	1.8E-14	1.42E-14	7.4E-16	1.79E-14	9.87E-16	1.96034E-14	1.927E-11	6.0797E-09	2.09479E-09	6.08163E-15	2.99216E-15	3.03553E-15	4.97827E-16
386	570550.6	4178399	0.55, 41783	0.26039	0.20212	0.2399	127.75395	41.82578	149.79254	21.29232	6.25899	24.96542	2.32E-11	6.76E-09	2.38E-09	7.16E-15	2.16E-14	1.71E-14	8.91E-16	2.15E-14	1.19E-15	2.36135E-14	2.321E-11	6.7649E-09	2.38086E-09	7.3257E-15	3.60424E-15	3.65649E-15	5.99664E-16
387	570590.6	4178399	0.55, 41783	0.3185	0.25095	0.28739	144.10526	45.67081	172.10131	24.01754	7.17597	28.68355	2.86E-11	7.54E-09	2.69E-09	8.84E-15	2.67E-14	2.11E-14	1.1E-15	2.66E-14	1.47E-15	2.9139E-14	2.864E-11	7.5374E-09	2.69203E-09	9.03989E-15	4.44762E-15	4.5121E-15	7.39984E-16
388	570630.6	4178399	0.55, 41783	0.40291	0.32135	0.35272	177.65061	50.39519	203.06539	27.05917	8.74903	32.05961	3.64E-11	8.66E-09	3.03E-09	1.12E-14	3.4E-14	2.68E-14	1.4E-15	3.38E-14	1.87E-15	3.70723E-14	3.644E-11	8.6629E-09	3.02979E-09	1.15011E-14	5.65852E-15	5.74054E-15	9.41449E-16
389	570670.6	4178399	0.55, 41783	0.53348	0.4284	0.44753	224.79663	56.41372	278.51402	32.60934	10.76331	39.25369	4.83E-11	1.06E-08	3.66E-09	1.49E-14	4.5E-14	3.55E-14	1.85E-15	4.48E-14	2.47E-15	4.9101E-14	4.826E-11	1.0584E-08	3.65886E-09	1.52328E-14	7.49453E-15	7.60317E-15	1.24692E-15
390	570710.6	4178399	0.55, 41783	0.75271	0.60288	0.59636	297.96202	70.92072	361.49768	41.13122	14.0152	50.83456	6.75E-11	1.36E-08	4.63E-09	2.08E-14	6.29E-14	4.97E-14	2.59E-15	6.26E-14	3.46E-15	6.86995E-14	6.753E-11	1.3597E-08	4.63133E-09	2.13129E-14	1.04859E-14	1.06379E-14	1.74462E-15
391	570750.6	4178399	0.55, 41783	1.15447	0.90762	0.85203	416.42427	90.04322	551.74774	52.05303	22.1169	68.96847	1.01E-10	1.88E-08	5.92E-09	3.13E-14	9.44E-14	7.46E-14	3.89E-15	9.4E-14	5.19E-15	1.03065E-13	1.013E-10	1.8782E-08	5.91822E-09	3.19742E-14	1.57313E-14	1.59593E-14	2.61733E-15
392	570790.6	4178399	0.55, 41783	1.70092	1.35462	1.23288	632.44551	121.09647	736.15706	79.05569	31.00919	92.01963	1.51E-10	2.59E-08	8.83E-09	4.64E-14	1.4E-13	1.11E-13	5.78E-15	1.4E-13	7.71E-15	1.53116E-13	1.505E-10	2.59E-08	8.83153E-09	4.75018E-14	2.33709E-14	2.37097E-14	3.88839E-15
393	570830.6	4178399	0.55, 41783	3.46088	2.976	2.05541	854.46592	185.76652	929.26678	157.19416	64.23703	133.05669	3.2E-10	3.61E-08	1.69E-08	9.87E-14	2.98E-13	2.35E-13	1.23E-14	2.97E-13	1.64E-14	3.25433E-13	3.199E-10	3.6127E-08	1.69457E-08	1.0096E-13	4.96725E-14	5.03925E-14	8.26437E-15
394	571110.6	4178399	0.55, 41783	4.7766	17.70794	5.53677	386.44752	237.89657	1139.86397	91.74551	117.26543	182.49582	1.67E-09	3.87E-08	1.12E-08	5.14E-13	1.55E-12	1.23E-12	6.39E-14	1.54E-12	8.53E-14	1.69394E-12	1.665E-09	3.8671E-08	1.11818E-08	5.25516E-13	2.58554E-13	2.62302E-13	4.30175E-14
395	571150.6	4178399	0.55, 41783	4.75682	9.04164	4.75414	493.27775	194.83019	977.82769	91.47407	80.27894	179.74579	8.97E-10	3.4E-08	1.11E-08	2.77E-13	8.36E-13	6.6E-13	3.44E-14	8.32E-13	4.59E-14	9.12314E-13	8.968E-10	3.3959E-08	1.11215E-08	2.8303E-13	1.39251E-13	1.41269E-13	2.31682E-14
396	571190.6	4178399	0.55, 41783	4.13591	5.67532	3.9763	541.83424	159.29594	784.3481	82.25115	55.55038	130.43816	5.86E-10	2.89E-08	9.62E-09	1.81E-13	5.46E-13	4.32E-13	2.25E-14	5.44E-13	3E-14	5.96614E-13	5.864E-10	2.8944E-08	9.61597E-09	1.8509E-13	9.10641E-14	9.23841E-14	1.5151E-14
397	571230.6	4178399	0.55, 41783	3.34043	3.91116	3.41587	419.25179	113.41297	723.05548	67.92735	42.50701	103.29364	4.17E-10	2.3E-08	7.89E-09	1.29E-13	3.89E-13	3.07E-13	1.6E-14	3.87E-13	2.14E-14	4.2454E-13	4.173E-10	2.2965E-08	7.88681E-09	1.31706E-13	6.47995E-14	6.57389E-14	1.07812E-14
398	571270.6	4178399	0.55, 41783	2.69096	2.84934	2.72459	276.99568	96.24025	620.23738	46.4546	32.10306	94.16047	3.09E-10	1.88E-08	5.68E-09	9.55E-14	2.88E-13	2.28E-13	1.19E-14	2.87E-13	1.58E-14	3.14823E-13	3.095E-10	1.8794E-08	5.68343E-09	9.76687E-14	4.8053E-14	4.87496E-14	7.99493E-15
399	571310.6	4178399	0.55, 41783	2.15304	2.16763	2.23142	240.01182	84.08056	257.12386	39.08125	24.00367	52.53394	2.38E-10	1.29E-08	4.45E-09	7.36E-14	2.22E-13	1.75E-13	9.16E-15	2.21E-13	1.22E-14	2.42552E-13	2.384E-10	1.2892E-08	4.45265E-09	7.52477E-14	3.70219E-14	3.75585E-14	6.1596E-15
400	571350.6	4178399	0.55, 41783	1.74135	1.70512	1.85867	224.12525	73.73672	326.22415	31.06226	18.34101	44.13622	1.89E-10	1.27E-08	3.57E-09	5.84E-14	1.76E-13	1.39E-13	7.27E-15	1.76E-13	9.69E-15	1.92572E-13	1.893E-10	1.2681E-08	3.56836E-09	5.97423E-14	2.93932E-14	2.98193E-14	4.89037E-15
401	571390.6	4178399	0.55, 41783	1.43215	1.37481	1.54866	207.21833	64.01827	312.56807	26.21992	15.02288	39.07101	1.54E-10	1.15E-08	3.03E-09	4.74E-14	1.43E-13	1.13E-13	5.9E-15	1.42E-13	7.86E-15	1.56177E-13	1.535E-10	1.1496E-08	3.03445E-09	4.84513E-14	2.3838E-14	2.41836E-14	3.96611E-15
402	571430.6	4178399	0.55, 41783	1.19016	1.12906	1.29293	179.9524	59.14274	244.73255	22.49405	12.88734	30.59157	1.26E-10	9.96E-09	2.57E-09	3.9E-14	1.18E-13	9.31E-14	4.86E-15	1.17E-13	6.48E-15	1.28665E-13	1.265E-10	9.9645E-09	2.56719E-09	3.99162E-14	1.96387E-14	1.99234E-14	3.26744E-15
403	571470.6	4178399	0.55, 41783	0.9966	0.93995	1.08271	146.8642	55.47011	170.50633	18.35802	11.23121	21.31329	1.05E-10	8.4E-09	2.05E-09	3.25E-14	9.82E-14	7.76E-14	4.05E-15	9.78E-14	5.4E-15	1.07252E-13	1.054E-10	8.4025E-09	2.05015E-09	3.32731E-14	1.63704E-14	1.66077E-14	2.72366E-15
404	571510.6	4178399	0.55, 41783	0.8441	0.79417	0.91453	113.63796	52.27286	111.23462	14.20474	9.85599	18.36688	8.91E-11	7.07E-09	1.61E-09	2.75E-14	8.3E-14	6.56E-14	3.42E-15	8.27E-14	4.56E-15	9.06352E-14	8.909E-11	7.0651E-09	1.60943E-09	2.81181E-14	1.38341E-14	1.40346E-14	2.30168E-15
405	571550.6	4178399	0.55, 41783	0.71988	0.67749	0.77601	84.04695	49.45688	81.90115	12.59546	8.65245	16.41022	7.59E-11	6.17E-09	1.43E-09	2.34E-14	7.08E-14	5.59E-14	2.92E-15	7.05E-14	3.89E-15	7.72649E-14	7.595E-11	6.1656E-09	1.42862E-09	2.39702E-14	1.17933E-14	1.19643E-14	1.96214E-15
406	571590.6	4178399	0.55, 41783	0.61846	0.58359	0.66441	61.25343	46.95039	82.40366	11.31778	7.65227	14.12983	6.54E-11	5.73E-09	1.28E-09	2.02E-14	6.09E-14	4.81E-14	2.51E-15	6.06E-14	3.35E-15	6.64888E-14	6.535E-11	5.7278E-09	1.27612E-09	2.06271E-14	1.01485E-14	1.02956E-14	1.68848E-15
407	570310.6	4178439	0.55, 41784	0.11265	0.08111	0.10949	78.47962	27.91467	88.7071	13.07994	3.48933	14.78452	9.56E-12	4.31E-09	1.46E-09	2.95E-15	8.91E-15	7.03E-15	3.67E-16	8.87E-15	4.89E-16	9.72347E-15	9.558E-12	4.3093E-09	1.45577E-09	3.01654E-15	1.48414E-15	1.50565E-15	2.46927E-16
408	570350.6	4178439	0.55, 41784	0.12585	0.09139	0.12175	84.54471	29.62734	96.42477	14.09078	3.70342	16.0708	1.07E-11	4.61E-09	1.57E-09	3.31E-15	1E-14	7.9E-15	4.12E-16	9.96E-15	5.5E-16	1.09248E-14	1.074E-11	4.614E-09	1.57005E-09	3.38923E-15	1.6675E-15	1.69167E-15	2.77434E-16
409	570390.6	4178439	0.55, 41784	0.14252	0.10489	0.13706	91.50908	31.67143	105.54781	15.25151	4.06451	17.5913	1.23E-11	4.97E-09	1.7E-09	3.79E-15	1.14E-14	9.03E-15	4.71E-16	1.14E-14	6.29E-16	1.24858E-14	1.227E-11	4.9739E-09	1.7018E-09	3.87351E-15	1.90576E-15	1.93339E-15	3.17076E-16
410	570430.6	4178439	0.55, 41784	0.16313	0.12204	0.15568	99.54775	33.93845	116.15512	16.59129	4.47421	19.35919	1.42E-11	5.38E-09	1.85E-09	4.38E-15	1.32E-14	1.05E-14	5.46E-16	1.32E-14	7.28E-16	1.44528E-14	1.421E-11	5.3823E-09	1.85404E-09	4.48373E-15	2.206E-15	2.23797E-15	3.67028E-16
411	570470.6	4178439	0.55, 41784	0.18858	0.14267	0.1783	108.92524	36.54882	128.38607	18.15421	4.93599	21.39768	1.65E-11	5.85E-09	2.03E-09	5.1E-15	1.54E-14	1.22E-14	6.35E-16	1.53E-14	8.47E-16	1.68283E-14	1.654E-11	5.8538E-09	2.03134E-09	5.22069E-15	2.56858E-15	2.60581E-15	4.27353E-16
412	570510.6	4178439	0.55, 41784	0.22167	0.16966	0.20722	120.34611	39.98702	143.34164	20.05769	5.68986	23.89027	1.96E-11	6.45E-09	2.25E-09	6.04E-15	1.82E-14	1.44E-14	7.52E-16	1.82E-14	1E-15	1.99256E-14	1.959E-11	6.4515E-09	2.24739E-09	6.18158E-15	3.04134E-15	3.08542E-15	5.0601E-16
413	570550.6	4178439	0.55, 41784	0.2658	0.20594	0.24496	134.27176	44.24032	161.13607	22.37863	6.83821	26.85601	2.37E-11	7.18E-09	2.51E-09	7.3E-15	2.2E-14	1.74E-14	9.09E-16	2.2E-14	1.21E-15	2.40713E-14	2.366E-11	7.1802E-09	2.50993E-09	7.46772E-15	3.67412E-15	3.72738E-15	6.1129E-16
414	570590.6	4178439	0.55, 41784	0.3272	0.25654	0.29583	151.91315	49.32778	182.29969	25.31886	8.30482	30.38328	2.93E-11	8.06E-09	2.84E-09	9.05E-15	2.73E-14	2.16E-14	1.13E-15	2.72E-14	1.5E-15	2.98297E-14	2.932E-11	8.06E-09	2.83968E-09	9.25417E-15	4.55305E-15	4.61905E-15	7.57525E-16
415	570630.6	4178439	0.55, 41784	0.41735	0.33056	0.3671	175.42083	55.6235	213.97884	29.2368	10.21264	34.63299	3.76E-11	9.23E-09	3.27E-09	1.16E-14	3.5E-14	2.76E-14	1.44E-15	3.49E-14	1.92E-15	3.82173E-14	3.757E-11	9.233E-09	3.27354E-09	1.18563E-14	5.83329E-15	5.91785E-15	9.70527E-16
416	570670.6	4178439	0.55, 41784	0.56024	0.44648	0.47194	208.37177	63.80907	268.23017	34.72863	12.75328	41.38807	5.04E-11	1.09E-08	3.89E-09	1.56E-14	4.7E-14	3.71E-14	1.94E-15	4.68E-14	2.58E-15	5.12851E-14	5.041E-11	1.0942E-08	3.89151E-09	1.59103E-14	7.82789E-15	7.94136E-15	1.30238E-15
417	570710.6	4178439	0.55, 41784	0.81434	0.64609	0.63688	258.28683	75.2647	339.8113	43.04781	16.40047	56.02404	7.24E-11	1.33E-08	4.88E-09	2.23E-14	6.75E-14	5.33E-14	2.78E-15	6.72E-14	3.71E-15	7.36725E-14	7.242E-11	1.3319E-08	4.88188E-09	2.28557E-14	1.1245E-14	1.1408E-14	1.87091E-15
418	570750.6	4178439	0.55, 41784	1.35572	1.03003	0.91926	343.9155	93.10334	457.76974	57.16949	22.25077	76.29496	1.15E-10	1.72E-08	6.51E-09	3.54E-14	1.07E-13	8.45E-14	4.41E-15	1.07E-13	5.88E-15	1.16824E-13	1.148E-10	1.7177E-08	6.50668E-09	3.62428E-14	1.78315E-14	1.809E-14	2.96675E-15
419	570790.6	4178439	0.55, 41784	3.18264	2.0617	1.49283	571.47263	129.70009	738.76969	95.66015	38.79176	110.20608	2.3E-10	2.61E-08	1.07E-08	7.1E-14	2.14E-13	1.69E-13	8.84E-15	2.14E-13	1.18E-14	2.34187E-13	2.302E-10	2.6084E-08	1.06724E-08	7.26525E-14	3.5745E-14	3.62632E-14	5.94716E-15
420	571070.6	4178439	0.55, 41784	4.74443	12.25677	5.33303	251.71558	235.3671	557.08631	48.15254	87.29167	78.37734	1.19E-09	2.99E-08	5.65E-09	3.66E-13	1.1E-12	8.72E-13	4.55E-14	1.1E-12	6.07E-14	1.20571E-12	1.185E-09	2.9942E-08	5.65432E-09	3.74051E-13	1.84033E-13	1.86701E-13	3.06189E-14
421	571110.6	4178439	0.55, 41784	3.89854	10.39914	4.234	292.37938	213.76959	730.76501	54.55193	96.69541	95.26587	1E-09	3.06E-08	6.49E-09	3.09E-13	9.32E-13	7.36E-13	3.84E-14	9.28E-13	5.12E-14	1.01806E-12	1.001E-09	3.0593E-08	6.48551E-09	3.15835E-13	1.55391E-13	1.57643E-13	2.58535E-14
422	571150.6	4178439	0.55, 41784	3.24566	6.14355	3.38328	299.25996	151.74182	537.6659	53.26943	58.88405	104.89405	6.11E-10	2.29E-08	6.48E-09	1.89E-13	5.7E-13	4.5E-13	2.35E-14	5.67E-13	3.13E-14	6.21945E-13	6.113E-10	2.2853E-08	6.47924E-09	1.92948E-13	9.49305E-14	9.63066E-14	1.57943E-14
423	571190.6	4178439	0.55, 41784	2.68652	4.20662	2.81661	319.22111	114.25705	663.08885	45.60302	42.68486	97.00809	4.29E-10	2.13E-08	5.64E-09	1.32E-13	4E-13	3.16E-13	1.65E-14	3.98E-13	2.2E-14	4.3678E-13	4.293E-10	2.1314E-08	5.63559E-09	1.35504E-13	6.66678E-14	6.76342E-14	1.1092E-14
424	571230.6	4178439	0.55, 41784	2.2851	3.10379	2.38014	355.31137	114.374	594.35462	48.25343	33.87475	78.4876	3.23E-10	2.08E-08	5.67E-09	9.98E-14	3.01E-13	2.38E-13	1.24E-14	3E-13	1.66E-14	3.29092E-13	3.235E-10	2.0834E-08	5.66551E-09	1.02095E-13	5.02309E-14	5.09591E-14	8.35729E-15
425	571270.6	4178439	0.55, 41784	1.91581	2.39067	2.08735	281.61312	92.35093	457.23387	43.32371	28.45229	65.31912	2.54E-10	1.65E-08	5.02E-09	7.83E-14	2.36E-13	1.87E-13	9.75E-15	2.35E-13	1.3E-14	2.58226E-13	2.538E-10	1.6491E-08	5.02326E-09	8.01105E-14	3.94143E-14	3.99857E-14	6.55765E-15
426	571310.6	4178439	0.55, 41784	1.62017	1.88774	1.73959	249.98498	75.512	443.82502	38.72011	23.46838	65.04063	2.03E-10	1.45E-08	4.57E-09	6.25E-14	1.89E-13	1.49E-13	7.78E-15	1.88E-13	1.04E-14	2.06125E-13	2.026E-10	1.454E-08	4.57156E-09	6.39467E-14	3.14618E-14	3.19179E-14	5.23453E-15
427	571350.6	4178439	0.55, 41784	1.36969	1.52492	1.4607	207.90528	71.02603	289.54604	31.99215	18.96422	43.80183	1.65E-10	1.18E-08	3.65E-09	5.09E-14	1.54E-13	1.21E-13	6.34E-15	1.53E-13	8.45E-15	1.67814E-13	1.65E-10	1.1832E-08	3.65479E-09	5.20614E-14	2.56142E-14	2.59855E-14	4.26162E-15
428	571390.6	4178439	0.55, 41784	1.16602	1.25794	1.25769	137.82846	66.02867	157.99714	21.56098	15.29437	27.7078	1.37E-10	9.08E-09	2.44E-09	4.23E-14	1.28E-13	1.01E-13	5.26E-15	1.27E-13	7.02E-15	1.39456E-13	1.371E-10	9.0835E-09	2.4408E-09	4.3264E-14	2.12859E-14	2.15944E-14	3.54149E-15
429	571430.6	4178439	0.55, 41784	1.00225	1.05165	1.08939	150.81052	60.59063	188.78292	19.07395	12.70811	25.02004	1.15E-10	9.11E-09	2.17E-09	3.56E-14	1.07E-13	8.49E-14	4.43E-15	1.07E-13	5.91E-15	1.17338E-13	1.153E-10	9.1147E-09	2.16552E-09	3.6402E-14	1.79098E-14	1.81694E-14	2.97978E-15
430	571470.6	4178439	0.55, 41784	0.86528	0.88825	0.94207	153.64691	54.59461	206.40776	19.20586	10.6849	25.80097	9.79E-11	8.84E-09	2.19E-09	3.02E-14	9.12E-14	7.2E-14	3.76E-15	9.08E-14	5.01E-15	9.95693E-14	9.787E-11	8.8351E-09	2.18799E-09	3.08897E-14	1.51977E-14	1.5418E-14	2.52856E-15
431	571510.6	4178439	0.55, 41784	0.75493	0.76151	0.82291	144.52703	49.13224	189.90829	18.06588	9.74189	23.73854	8.42E-11	8.06E-09	2.05E-09	2.6E-14	7.85E-14	6.2E-14	3.23E-15	7.81E-14	4.31E-15	8.5685E-14	8.422E-11	8.0639E-09	2.05158E-09	2.65823E-14	1.30785E-14	1.32681E-14	2.17597E-15
432	571550.6	4178439	0.55, 41784	0.65913	0.65716	0.71761	127.58758	46.59598	156.05984	15.94845	8.8858	19.50748	7.28E-11	7.26E-09	1.79E-09	2.25E-14	6.79E-14	5.36E-14	2.8E-15	6.76E-14	3.73E-15	7.41138E-14	7.285E-11	7.258E-09	1.79327E-09	2.29926E-14	1.13123E-14	1.14763E-14	1.88212E-15
433	571590.6	4178439	0.55, 41784	0.57626	0.57045	0.62441	106.82976	44.35137	118.44703	13.35372	8.08009	14.80588	6.33E-11	6.39E-09	1.48E-09	1.95E-14	5.9E-14	4.66E-14	2.43E-15	5.87E-14	3.24E-15	6.43944E-14	6.33E-11	6.3936E-09	1.48269E-09	1.99773E-14	9.82883E-15	9.97131E-15	1.6353E-15
434	570310.6	4178479	0.55, 41784	0.1113	0.08183	0.10709	74.58423	29.47815	84.27127	11.80727	4.00274	12.56763	9.58E-12	4.35E-09	1.3E-09	2.96E-15	8.92E-15	7.05E-15	3.68E-16	8.89E-15	4.9E-16	9.74396E-15	9.578E-12	4.3531E-09	1.30454E-09	3.0229E-15	1.48727E-15	1.50883E-15	2.47448E-16
435	570350.6	4178479	0.55, 41784	0.12561	0.09388	0.12027	80.0812	31.76761	91.05741	12.83362	4.33491	13.82729	1.09E-11	4.69E-09	1.42E-09	3.37E-15	1.02E-14	8.05E-15	4.2E-16	1.01E-14	5.6E-16	1.11255E-14	1.094E-11	4.6912E-09	1.41999E-09	3.45151E-15	1.69814E-15	1.72276E-15	2.82532E-16
436	570390.6	4178479	0.55, 41784	0.14146	0.10678	0.13471	86.10528	34.01158	98.86723	14.01299	4.67053	15.28263	1.24E-11	5.04E-09	1.55E-09	3.83E-15	1.16E-14	9.13E-15	4.76E-16	1.15E-14	6.35E-16	1.2614E-14	1.24E-11	5.0432E-09	1.55276E-09	3.91328E-15	1.92533E-15	1.95324E-15	3.20332E-16
437	570430.6	4178479	0.55, 41784	0.16075	0.12266	0.15218	93.00088	36.36689	108.11431	15.32204	5.02469	17.00047	1.42E-11	5.43E-09	1.7E-09	4.38E-15	1.32E-14	1.04E-14	5.45E-16	1.32E-14	7.27E-16	1.44402E-14	1.419E-11	5.4312E-09	1.70139E-09	4.47984E-15	2.20408E-15	2.23603E-15	3.66709E-16
438	570470.6	4178479	0.55, 41784	0.18644	0.14379	0.17515	101.96042	39.51551	120.09702	16.93263	5.48718	19.18544	1.66E-11	5.94E-09	1.89E-09	5.12E-15	1.54E-14	1.22E-14	6.37E-16	1.54E-14	8.49E-16	1.6867E-14	1.658E-11	5.9427E-09	1.88514E-09	5.23272E-15	2.5745E-15	2.61182E-15	4.28338E-16
439	570510.6	4178479	0.55, 41784	0.22079	0.17209	0.20548	113.44919	43.50567	135.70428	18.9082	6.17272	22.02345	1.98E-11	6.6E-09	2.11E-09	6.1E-15	1.84E-14	1.45E-14	7.59E-16	1.83E-14	1.01E-15	2.01113E-14	1.977E-11	6.5974E-09	2.11247E-09	6.2392E-15	3.06969E-15	3.11418E-15	5.10726E-16
440	570550.6	4178479	0.55, 41784	0.2667	0.21004	0.24533	127.7059	48.20733	155.63974	21.28432	7.34053	25.62853	2.4E-11	7.39E-09	2.39E-09	7.42E-15	2.24E-14	1.77E-14	9.23E-16	2.23E-14	1.23E-15	2.445E-14	2.403E-11	7.395E-09	2.38825E-09	7.58521E-15	3.73192E-15	3.78602E-15	6.20907E-16
441	570590.6	4178479	0.55, 41784	0.32931	0.26248	0.29831	144.67878	53.44745	182.17951	24.11313	8.81975	30.24215	2.99E-11	8.35E-09	2.72E-09	9.22E-15	2.79E-14	2.2E-14	1.15E-15	2.77E-14	1.53E-15	3.04108E-14	2.989E-11	8.3478E-09	2.72054E-09	9.43445E-15	4.64175E-15	4.70904E-15	7.72282E-16
442	570630.6	4178479	0.55, 41784	0.42133	0.33962	0.37314	165.95931	60.05375	219.0797	27.65989	10.77683	36.51328	3.85E-11	9.59E-09	3.14E-09	1.19E-14	3.58E-14	2.83E-14	1.48E-15	3.57E-14	1.97E-15	3.91396E-14	3.847E-11	9.5903E-09	3.14315E-09	1.21424E-14	5.97406E-15	6.06066E-15	9.93949E-16
443	570670.6	4178479	0.55, 41784	0.56746	0.46145	0.48445	193.36004	69.0612	272.47405	32.22667	13.5092	45.41234	5.19E-11	1.13E-08	3.7E-09	1.6E-14	4.84E-14	3.82E-14	2E-15	4.82E-14	2.66E-15	5.28471E-14	5.195E-11	1.1306E-08	3.69746E-09	1.63949E-14	8.06631E-15	8.18324E-15	1.34205E-15
444	570710.6	4178479	0.55, 41784	0.83023	0.67528	0.66195	236.53606	81.84268	352.22256	39.07222	17.68943	58.70376	7.54E-11	1.38E-08	4.53E-09	2.33E-14	7.03E-14	5.55E-14	2.9E-15	7E-14	3.86E-15	7.6745E-14	7.544E-11	1.3833E-08	4.52778E-09	2.38089E-14	1.1714E-14	1.18838E-14	1.94894E-15
445	570750.6	4178479	0.55, 41784	1.42426	1.12918	0.97629	342.03514	102.90165	482.1747	49.67165	25.1054	80.36245	1.25E-10	1.83E-08	5.83E-09	3.85E-14	1.16E-13	9.19E-14	4.8E-15	1.16E-13	6.4E-15	1.27054E-13	1.249E-10	1.8317E-08	5.8267E-09	3.94165E-14	1.93929E-14	1.9674E-14	3.22654E-15
446	570790.6	4178479	0.55, 41784	3.63047	2.75084	1.62936	596.75244	187.47347	722.34167	107.7468	51.23422	120.39028	2.97E-10	3.12E-08	1.2E-08	9.15E-14	2.76E-13	2.18E-13	1.14E-14	2.75E-13	1.52E-14	3.01747E-13	2.966E-10	3.1187E-08	1.19748E-08	9.36119E-14	4.6057E-14	4.67247E-14	7.66285E-15
447	571030.6	4178479	0.55, 41784	9.40071	15.68167	11.18665	333.68631	267.08575	756.18793	81.11776	110.69164	178.64972	1.6E-09	3.6E-08	1.01E-08	4.95E-13	1.49E-12	1.18E-12	6.16E-14	1.49E-12	8.21E-14	1.6307E-12	1.603E-09	3.5979E-08	1.00995E-08	5.05897E-13	2.48901E-13	2.52509E-13	4.14116E-14
448	571070.6	4178479	0.55, 41784	5.59712	9.0131	6.53916	216.22006	204.77885	522.16381	54.58514	76.29745	101.00005	9.25E-10	2.65E-08	6.56E-09	2.85E-13	8.61E-13	6.8E-13	3.55E-14	8.58E-13	4.73E-14	9.40569E-13	9.245E-10	2.6485E-08	6.55938E-09	2.91796E-13	1.43564E-13	1.45645E-13	2.38857E-14
449	571110.6	4178479	0.55, 41784	3.86033	5.8724	4.45436	232.77263	158.88759	526.3096	40.87392	60.11848	68.10823	6.07E-10	2.27E-08	4.82E-09	1.87E-13	5.65E-13	4.47E-13	2.33E-14	5.63E-13	3.11E-14	6.1739E-13	6.069E-10	2.2683E-08	4.81907E-09	1.91535E-13	9.42352E-14	9.56012E-14	1.56786E-14
450	571150.6	4178479	0.55, 41784	2.87873	4.17215	3.24074	243.47288	131.88403	510.79766	36.94401	47.80365	68.59206	4.33E-10	2.02E-08	4.44E-09	1.34E-13	4.04E-13	3.19E-13	1.66E-14	4.02E-13	2.22E-14	4.40953E-13	4.334E-10	2.0234E-08	4.44237E-09	1.36798E-13	6.73048E-14	6.82805E-14	1.1198E-14
451	571190.6	4178479	0.55, 41784	2.25924	3.11768	2.54212	272.99859	103.34976	495.79992	40.61499	35.56429	82.63332	3.26E-10	1.78E-08	4.97E-09	1.01E-13	3.04E-13	2.4E-13	1.25E-14	3.03E-13	1.67E-14	3.321E-13	3.264E-10	1.7843E-08	4.9728E-09	1.03018E-13	5.069E-14	5.14248E-14	8.43367E-15
452	571230.6	4178479	0.55, 41784	1.86428	2.43731	2.04705	228.60917	88.43023	428.91859	34.9281	28.65964	53.61482	2.57E-10	1.53E-08	4.06E-09	7.93E-14	2.39E-13	1.89E-13	9.87E-15	2.38E-13	1.32E-14	2.61357E-13	2.569E-10	1.5276E-08	4.06156E-09	8.10818E-14	3.98922E-14	4.04705E-14	6.63716E-15
453	571270.6	4178479	0.55, 41784	1.58233	1.95726	1.72288	275.18297	89.4878	451.79055	39.56066	24.38596	62.99097	2.08E-10	1.61E-08	4.63E-09	6.42E-14	1.94E-13	1.53E-13	7.99E-15	1.93E-13	1.07E-14	2.11726E-13	2.081E-10	1.611E-08	4.62816E-09	6.56843E-14	3.23167E-14	3.27852E-14	5.37677E-15
454	571310.6	4178479	0.55, 41784	1.35793	1.6065	1.5101	222.77943	77.47813	328.49847	32.82803	21.05024	46.46168	1.73E-10	1.3E-08	3.77E-09	5.33E-14	1.61E-13	1.27E-13	6.63E-15	1.6E-13	8.84E-15	1.75578E-13	1.726E-10	1.3023E-08	3.76895E-09	5.44703E-14	2.67994E-14	2.71879E-14	4.45881E-15
455	571350.6	4178479	0.55, 41784	1.1642	1.33076	1.27594	210.30644	64.61424	297.95893	30.9494	18.13628	42.55235	1.44E-10	1.14E-08	3.54E-09	4.43E-14	1.34E-13	1.06E-13	5.52E-15	1.33E-13	7.36E-15	1.4615E-13	1.437E-10	1.1398E-08	3.53786E-09	4.53407E-14	2.23076E-14	2.2631E-14	3.71148E-15
456	571390.6	4178479	0.55, 41784	1.001	1.11694	1.07653	187.8278	60.73144	278.37154	27.7002	15.35336	39.86006	1.21E-10	1.06E-08	3.19E-09	3.73E-14	1.13E-13	8.9E-14	4.64E-15	1.12E-13	6.19E-15	1.22977E-13	1.209E-10	1.0596E-08	3.18831E-09	3.81516E-14	1.87706E-14	1.90427E-14	3.123E-15
457	571430.6	4178479	0.55, 41784	0.8626	0.94616	0.9271	141.00765	57.76687	153.44465	20.99683	12.7525	23.01436	1.03E-10	8.34E-09	2.33E-09	3.17E-14	9.57E-14	7.56E-14	3.95E-15	9.53E-14	5.26E-15	1.04511E-13	1.027E-10	8.3357E-09	2.32805E-09	3.24228E-14	1.5952E-14	1.61832E-14	2.65405E-15
458	571470.6	4178479	0.55, 41784	0.75511	0.81334	0.81471	85.41876	54.87579	110.14274	13.60469	11.10539	17.11986	8.87E-11	7E-09	1.54E-09	2.74E-14	8.26E-14	6.53E-14	3.41E-15	8.23E-14	4.54E-15	9.01988E-14	8.866E-11	7.0013E-09	1.53564E-09	2.79827E-14	1.37675E-14	1.3967E-14	2.2906E-15
459	571510.6	4178479	0.55, 41784	0.666	0.70453	0.71826	104.54177	51.61661	121.24791	13.06772	9.4895	15.99878	7.71E-11	7.04E-09	1.47E-09	2.38E-14	7.18E-14	5.67E-14	2.96E-15	7.15E-14	3.95E-15	7.84085E-14	7.707E-11	7.0414E-09	1.46954E-09	2.43249E-14	1.19679E-14	1.21413E-14	1.99118E-15
460	571550.6	4178479	0.55, 41784	0.58993	0.61436	0.63446	114.23468	47.78612	141.81512	14.27934	8.47335	17.72689	6.74E-11	7.06E-09	1.61E-09	2.08E-14	6.28E-14	4.96E-14	2.59E-15	6.25E-14	3.45E-15	6.85671E-14	6.74E-11	7.055E-09	1.60881E-09	2.12718E-14	1.04657E-14	1.06174E-14	1.74126E-15
461	571590.6	4178479	0.55, 41784	0.5248	0.5396	0.56365	114.71837	43.31659	143.69009	14.3398	7.89274	17.96126	5.93E-11	6.69E-09	1.62E-09	1.83E-14	5.53E-14	4.37E-14	2.28E-15	5.51E-14	3.04E-15	6.03702E-14	5.934E-11	6.6917E-09	1.61758E-09	1.87289E-14	9.21459E-15	9.34817E-15	1.5331E-15
462	570310.6	4178519	0.55, 41785	0.10968	0.08323	0.10459	75.92481	30.95134	85.20389	12.65413	4.31611	14.20065	9.65E-12	4.51E-09	1.41E-09	2.98E-15	8.99E-15	7.1E-15	3.71E-16	8.96E-15	4.94E-16	9.82103E-15	9.654E-12	4.5067E-09	1.40712E-09	3.04681E-15	1.49903E-15	1.52076E-15	2.49405E-16
463	570350.6	4178519	0.55, 41785	0.12253	0.09413	0.11632	80.98331	32.52203	91.70345	13.49722	4.56123	15.28391	1.09E-11	4.77E-09	1.5E-09	3.36E-15	1.01E-14	8.01E-15	4.18E-16	1.01E-14	5.57E-16	1.10674E-14	1.088E-11	4.7741E-09	1.50256E-09	3.43347E-15	1.68927E-15	1.71376E-15	2.81056E-16
464	570390.6	4178519	0.55, 41785	0.13706	0.10653	0.12954	86.4192	34.09518	99.00991	14.4032	4.78567	16.50165	1.23E-11	5.06E-09	1.61E-09	3.79E-15	1.14E-14	9.03E-15	4.71E-16	1.14E-14	6.28E-16	1.24828E-14	1.227E-11	5.0554E-09	1.60578E-09	3.87258E-15	1.90531E-15	1.93293E-15	3.17001E-16
465	570430.6	4178519	0.55, 41785	0.15657	0.12308	0.14711	93.48729	36.56809	108.68156	15.58121	5.11226	18.11359	1.41E-11	5.46E-09	1.74E-09	4.36E-15	1.32E-14	1.04E-14	5.43E-16	1.31E-14	7.23E-16	1.43722E-14	1.413E-11	5.4606E-09	1.74034E-09	4.45873E-15	2.1937E-15	2.22549E-15	3.64981E-16
466	570470.6	4178519	0.55, 41785	0.18113	0.14422	0.16907	101.65142	39.2669	120.52836	16.9419	5.47129	20.08806	1.65E-11	5.92E-09	1.9E-09	5.09E-15	1.54E-14	1.21E-14	6.33E-16	1.53E-14	8.44E-16	1.67759E-14	1.649E-11	5.9232E-09	1.89716E-09	5.20444E-15	2.56058E-15	2.5977E-15	4.26023E-16
467	570510.6	4178519	0.55, 41785	0.21556	0.17373	0.19928	112.42418	43.21366	137.68321	18.73736	6.23491	22.9472	1.98E-11	6.59E-09	2.11E-09	6.1E-15	1.84E-14	1.46E-14	7.6E-16	1.84E-14	1.01E-15	2.01272E-14	1.978E-11	6.5861E-09	2.10721E-09	6.24413E-15	3.07211E-15	3.11664E-15	5.11129E-16
468	570550.6	4178519	0.55, 41785	0.26244	0.21401	0.23948	127.39838	48.06291	159.66591	20.89373	7.26318	26.61098	2.43E-11	7.43E-09	2.36E-09	7.49E-15	2.26E-14	1.79E-14	9.32E-16	2.25E-14	1.24E-15	2.46874E-14	2.427E-11	7.4289E-09	2.36232E-09	7.65887E-15	3.76816E-15	3.82279E-15	6.26937E-16
469	570590.6	4178519	0.55, 41785	0.32438	0.26815	0.29055	146.74921	52.55391	186.84388	23.05175	8.49659	31.14065	3.02E-11	8.35E-09	2.63E-09	9.33E-15	2.82E-14	2.23E-14	1.16E-15	2.81E-14	1.55E-15	3.0769E-14	3.024E-11	8.3475E-09	2.62826E-09	9.54556E-15	4.69642E-15	4.7645E-15	7.81377E-16
470	570630.6	4178519	0.55, 41785	0.41604	0.34788	0.36203	170.82398	60.03664	221.85088	25.41079	10.076	36.97515	3.9E-11	9.67E-09	2.93E-09	1.2E-14	3.63E-14	2.87E-14	1.5E-15	3.62E-14	2E-15	3.96827E-14	3.901E-11	9.6709E-09	2.92984E-09	1.23109E-14	6.05697E-15	6.14477E-15	1.00774E-15
471	570670.6	4178519	0.55, 41785	0.56352	0.47347	0.46761	210.6175	71.54419	266.74609	27.95974	12.2085	44.45768	5.28E-11	1.16E-08	3.27E-09	1.63E-14	4.91E-14	3.88E-14	2.03E-15	4.89E-14	2.7E-15	5.36668E-14	5.275E-11	1.1623E-08	3.27022E-09	1.66492E-14	8.19142E-15	8.31016E-15	1.36287E-15
472	570710.6	4178519	0.55, 41785	0.82936	0.69158	0.6351	257.30872	94.91316	337.8148	32.16359	16.3308	53.60133	7.65E-11	1.5E-08	3.79E-09	2.36E-14	7.13E-14	5.63E-14	2.94E-15	7.1E-14	3.92E-15	7.78511E-14	7.652E-11	1.5004E-08	3.7922E-09	2.4152E-14	1.18828E-14	1.2055E-14	1.97703E-15
473	570750.6	4178519	0.55, 41785	1.36529	1.13262	0.93188	327.60111	130.96882	473.41526	45.80096	29.91109	62.68561	1.24E-10	2.05E-08	5.23E-09	3.83E-14	1.16E-13	9.13E-14	4.76E-15	1.15E-13	6.35E-15	1.26213E-13	1.241E-10	2.0523E-08	5.23203E-09	3.91554E-14	1.92645E-14	1.95437E-14	3.20517E-15
474	570790.6	4178519	0.55, 41785	2.09469	1.90095	1.39228	339.24086	174.34023	730.67406	59.4987	49.70987	91.33426	2.04E-10	2.76E-08	6.92E-09	6.3E-14	1.9E-13	1.5E-13	7.84E-15	1.89E-13	1.05E-14	2.07706E-13	2.042E-10	2.7603E-08	6.91876E-09	6.44372E-14	3.17031E-14	3.21627E-14	5.27468E-15
475	570990.6	4178519	0.55, 41785	30.9381	16.28557	11.79039	1645.60932	278.46944	1244.70182	444.29015	131.46412	279.7997	1.88E-09	5.59E-08	4.67E-08	5.79E-13	1.75E-12	1.38E-12	7.2E-14	1.74E-12	9.6E-14	1.90798E-12	1.875E-09	5.5923E-08	4.67089E-08	5.91918E-13	2.91224E-13	2.95445E-13	4.8453E-14
476	571030.6	4178519	0.55, 41785	10.39533	8.05295	7.62595	575.07494	188.36146	999.69988	130.51861	75.45666	173.23921	9.01E-10	3.45E-08	1.48E-08	2.78E-13	8.4E-13	6.63E-13	3.46E-14	8.36E-13	4.62E-14	9.16811E-13	9.012E-10	3.4468E-08	1.48432E-08	2.84425E-13	1.39937E-13	1.41966E-13	2.32824E-14
477	571070.6	4178519	0.55, 41785	5.62777	5.38206	5.21191	327.13066	151.27996	542.64793	61.45445	56.79768	91.26612	5.91E-10	2.31E-08	7.11E-09	1.82E-13	5.5E-13	4.35E-13	2.27E-14	5.48E-13	3.03E-14	6.00947E-13	5.907E-10	2.3149E-08	7.10836E-09	1.86434E-13	9.17255E-14	9.30551E-14	1.5261E-14
478	571110.6	4178519	0.55, 41785	3.70135	3.92679	3.70614	194.51307	130.68512	402.95521	41.68788	44.49195	69.09918	4.26E-10	1.83E-08	4.91E-09	1.31E-13	3.97E-13	3.13E-13	1.64E-14	3.95E-13	2.18E-14	4.33188E-13	4.258E-10	1.8318E-08	4.91054E-09	1.34389E-13	6.61196E-14	6.7078E-14	1.10008E-14
479	571150.6	4178519	0.55, 41785	2.69329	3.00723	2.77155	208.02281	103.35418	440.08145	30.40761	37.50867	55.01018	3.24E-10	1.65E-08	3.64E-09	9.99E-14	3.02E-13	2.38E-13	1.24E-14	3E-13	1.66E-14	3.29493E-13	3.239E-10	1.6517E-08	3.63858E-09	1.0222E-13	5.02921E-14	5.10212E-14	8.36747E-15
480	571190.6	4178519	0.55, 41785	2.08526	2.38411	2.19601	205.94825	100.14217	330.97092	32.90062	31.32752	44.74048	2.56E-10	1.49E-08	3.75E-09	7.91E-14	2.39E-13	1.89E-13	9.84E-15	2.38E-13	1.31E-14	2.60703E-13	2.563E-10	1.4871E-08	3.75481E-09	8.08788E-14	3.97924E-14	4.03692E-14	6.62055E-15
481	571230.6	4178519	0.55, 41785	1.66362	1.91731	1.76389	215.41751	83.66277	360.55042	30.77393	25.17962	52.13444	2.06E-10	1.39E-08	3.64E-09	6.35E-14	1.92E-13	1.52E-13	7.91E-15	1.91E-13	1.05E-14	2.09498E-13	2.059E-10	1.3887E-08	3.63882E-09	6.49931E-14	3.19766E-14	3.24402E-14	5.32019E-15
482	571270.6	4178519	0.55, 41785	1.38104	1.58176	1.44385	194.90891	74.63088	227.07234	31.16799	21.56574	34.54332	1.7E-10	1.12E-08	3.46E-09	5.24E-14	1.58E-13	1.25E-13	6.52E-15	1.58E-13	8.7E-15	1.72777E-13	1.698E-10	1.125E-08	3.46048E-09	5.36012E-14	2.63718E-14	2.67541E-14	4.38767E-15
483	571310.6	4178519	0.55, 41785	1.18628	1.33473	1.24995	227.7435	74.01926	353.91479	34.0231	18.88588	51.12416	1.44E-10	1.31E-08	3.94E-09	4.44E-14	1.34E-13	1.06E-13	5.53E-15	1.34E-13	7.37E-15	1.46399E-13	1.439E-10	1.3082E-08	3.94275E-09	4.5418E-14	2.23457E-14	2.26696E-14	3.71781E-15
484	571350.6	4178519	0.55, 41785	1.02794	1.1349	1.10387	186.21806	66.32591	255.87469	28.09378	16.3212	37.6065	1.23E-10	1.08E-08	3.2E-09	3.8E-14	1.15E-13	9.06E-14	4.73E-15	1.14E-13	6.3E-15	1.25189E-13	1.231E-10	1.0792E-08	3.19887E-09	3.88378E-14	1.91082E-14	1.93852E-14	3.17917E-15
485	571390.6	4178519	0.55, 41785	0.88898	0.96986	0.94947	165.64096	58.31983	230.86073	23.55305	14.40747	29.95608	1.05E-10	9.58E-09	2.66E-09	3.25E-14	9.81E-14	7.75E-14	4.05E-15	9.77E-14	5.39E-15	1.07166E-13	1.053E-10	9.5805E-09	2.66248E-09	3.32465E-14	1.63573E-14	1.65944E-14	2.72148E-15
486	571430.6	4178519	0.55, 41785	0.7696	0.83467	0.8102	166.81635	54.79876	235.11797	23.72844	12.50769	32.6638	9.06E-11	9.34E-09	2.71E-09	2.8E-14	8.44E-14	6.67E-14	3.48E-15	8.41E-14	4.64E-15	9.21867E-14	9.061E-11	9.3364E-09	2.71291E-09	2.85994E-14	1.40709E-14	1.42749E-14	2.34108E-15
487	571470.6	4178519	0.55, 41785	0.67066	0.72494	0.7032	138.40145	51.97552	171.46902	19.82816	10.73341	24.30543	7.87E-11	8.03E-09	2.23E-09	2.43E-14	7.33E-14	5.79E-14	3.02E-15	7.3E-14	4.03E-15	8.00837E-14	7.872E-11	8.0252E-09	2.23016E-09	2.48446E-14	1.22236E-14	1.24007E-14	2.03372E-15
488	571510.6	4178519	0.55, 41785	0.58987	0.63439	0.62004	93.94363	49.66848	89.41667	13.736	9.50533	13.29785	6.9E-11	6.37E-09	1.5E-09	2.13E-14	6.43E-14	5.08E-14	2.65E-15	6.4E-14	3.53E-15	7.01691E-14	6.897E-11	6.3743E-09	1.50134E-09	2.17688E-14	1.07103E-14	1.08655E-14	1.78194E-15
489	571550.6	4178519	0.55, 41785	0.52422	0.55926	0.55249	64.7066	47.53612	82.72316	9.81761	8.44297	11.85775	6.09E-11	5.82E-09	1.1E-09	1.88E-14	5.68E-14	4.48E-14	2.34E-15	5.65E-14	3.12E-15	6.1975E-14	6.092E-11	5.8171E-09	1.10205E-09	1.92267E-14	9.45954E-15	9.59666E-15	1.57385E-15
490	571590.6	4178519	0.55, 41785	0.47148	0.49721	0.49682	75.39988	45.27823	83.60413	9.54319	7.49343	11.2302	5.43E-11	5.74E-09	1.07E-09	1.68E-14	5.06E-14	4E-14	2.08E-15	5.04E-14	2.78E-15	5.52238E-14	5.428E-11	5.7357E-09	1.0676E-09	1.71323E-14	8.42907E-15	8.55125E-15	1.40241E-15
491	570310.6	4178559	0.55, 41785	0.10731	0.08405	0.10201	76.80272	30.54078	89.48595	12.80045	4.19275	14.91432	9.67E-12	4.53E-09	1.43E-09	2.98E-15	9.01E-15	7.12E-15	3.71E-16	8.97E-15	4.95E-16	9.83795E-15	9.67E-12	4.5322E-09	1.43016E-09	3.05206E-15	1.50161E-15	1.52338E-15	2.49834E-16
492	570350.6	4178559	0.55, 41785	0.11907	0.09438	0.11262	82.9813	31.5625	94.82328	13.39224	4.31782	15.80388	1.08E-11	4.75E-09	1.5E-09	3.34E-15	1.01E-14	7.96E-15	4.16E-16	1E-14	5.54E-16	1.10086E-14	1.082E-11	4.7483E-09	1.49874E-09	3.41523E-15	1.68029E-15	1.70465E-15	2.79563E-16
493	570390.6	4178559	0.55, 41785	0.1339	0.10748	0.12591	90.55746	32.83588	101.05325	14.07263	4.47793	16.84221	1.23E-11	5.01E-09	1.58E-09	3.79E-15	1.14E-14	9.04E-15	4.72E-16	1.14E-14	6.29E-16	1.24902E-14	1.228E-11	5.0111E-09	1.57778E-09	3.87488E-15	1.90644E-15	1.93408E-15	3.17189E-16
494	570430.6	4178559	0.55, 41785	0.15297	0.12443	0.14282	99.07784	34.42492	111.25467	14.88754	4.68196	18.0897	1.42E-11	5.36E-09	1.67E-09	4.37E-15	1.32E-14	1.04E-14	5.44E-16	1.31E-14	7.25E-16	1.44025E-14	1.416E-11	5.3598E-09	1.6725E-09	4.46814E-15	2.19833E-15	2.23019E-15	3.65752E-16
495	570470.6	4178559	0.55, 41785	0.17711	0.14611	0.16369	108.3811	37.13833	125.77833	15.68816	5.10948	19.33096	1.65E-11	5.87E-09	1.77E-09	5.11E-15	1.54E-14	1.22E-14	6.36E-16	1.54E-14	8.48E-16	1.68364E-14	1.655E-11	5.8679E-09	1.76575E-09	5.22322E-15	2.56983E-15	2.60708E-15	4.27561E-16
496	570510.6	4178559	0.55, 41785	0.21022	0.1758	0.19176	119.02071	41.74654	144.28309	16.67371	5.7123	20.76073	1.98E-11	6.6E-09	1.88E-09	6.12E-15	1.85E-14	1.46E-14	7.61E-16	1.84E-14	1.02E-15	2.01637E-14	1.982E-11	6.604E-09	1.87933E-09	6.25545E-15	3.07768E-15	3.1223E-15	5.12057E-16
497	570550.6	4178559	0.55, 41785	0.25686	0.21737	0.22998	138.81712	48.97119	169.0217	17.78034	6.5378	22.20322	2.44E-11	7.74E-09	2E-09	7.53E-15	2.27E-14	1.79E-14	9.37E-16	2.26E-14	1.25E-15	2.48116E-14	2.439E-11	7.7362E-09	2.00486E-09	7.69738E-15	3.78711E-15	3.84201E-15	6.3009E-16
498	570590.6	4178559	0.55, 41785	0.31921	0.27311	0.27901	158.95656	55.69599	196.40207	19.86957	7.90259	24.55026	3.05E-11	8.86E-09	2.24E-09	9.41E-15	2.84E-14	2.24E-14	1.17E-15	2.83E-14	1.56E-15	3.10141E-14	3.049E-11	8.8605E-09	2.23721E-09	9.62162E-15	4.73384E-15	4.80246E-15	7.87603E-16
499	570630.6	4178559	0.55, 41785	0.41072	0.35398	0.34795	180.38278	65.18573	228.48167	22.54785	9.64997	28.56021	3.93E-11	1.03E-08	2.55E-09	1.21E-14	3.66E-14	2.89E-14	1.51E-15	3.65E-14	2.01E-15	3.99961E-14	3.931E-11	1.0297E-08	2.5474E-09	1.24081E-14	6.10479E-15	6.19329E-15	1.0157E-15
500	570670.6	4178559	0.55, 41785	0.55178	0.47716	0.45068	218.05495	85.23197	290.43238	27.25687	14.02323	36.30405	5.28E-11	1.32E-08	3.1E-09	1.63E-14	4.91E-14	3.88E-14	2.03E-15	4.89E-14	2.7E-15	5.36654E-14	5.275E-11	1.3186E-08	3.10133E-09	1.66488E-14	8.19121E-15	8.30995E-15	1.36283E-15
501	570710.6	4178559	0.55, 41785	0.78132	0.6809	0.62169	244.71244	105.12049	355.26836	32.595	21.74638	44.40855	7.49E-11	1.6E-08	3.72E-09	2.31E-14	6.98E-14	5.52E-14	2.88E-15	6.95E-14	3.84E-15	7.62505E-14	7.495E-11	1.5988E-08	3.72096E-09	2.36554E-14	1.16385E-14	1.18072E-14	1.93638E-15
502	570750.6	4178559	0.55, 41785	1.13763	1.02831	0.92752	276.33124	124.7524	514.56755	39.47589	32.46528	64.32094	1.13E-10	2E-08	4.64E-09	3.48E-14	1.05E-13	8.29E-14	4.33E-15	1.04E-13	5.77E-15	1.14588E-13	1.126E-10	1.9981E-08	4.63629E-09	3.55491E-14	1.74901E-14	1.77437E-14	2.90996E-15
503	570790.6	4178559	0.55, 41785	1.48115	1.46435	1.34156	285.306	157.20995	776.24295	43.19026	42.97795	97.64972	1.59E-10	2.61E-08	5.41E-09	4.92E-14	1.48E-13	1.17E-13	6.12E-15	1.48E-13	8.16E-15	1.62045E-13	1.593E-10	2.6133E-08	5.40855E-09	5.02718E-14	2.47337E-14	2.50923E-14	4.11513E-15
504	570830.6	4178559	0.55, 41785	2.67811	2.99292	2.3948	342.02881	178.80856	871.65336	66.23843	64.34565	121.28657	3.18E-10	2.98E-08	7.94E-09	9.81E-14	2.96E-13	2.34E-13	1.22E-14	2.95E-13	1.63E-14	3.23345E-13	3.178E-10	2.9758E-08	7.94402E-09	1.00312E-13	4.93537E-14	5.00691E-14	8.21134E-15
505	570950.6	4178559	0.55, 41785	26.55575	12.00196	5.05287	679.01352	318.67052	1487.06516	280.37281	116.3834	245.48668	1.37E-09	5.29E-08	3.03E-08	4.24E-13	1.28E-12	1.01E-12	5.28E-14	1.28E-12	7.04E-14	1.3982E-12	1.374E-09	5.2901E-08	3.0325E-08	4.33768E-13	2.13414E-13	2.16508E-13	3.55072E-14
506	570990.6	4178559	0.55, 41785	10.52141	6.96087	4.44153	639.29991	205.65266	1371.63359	133.52138	75.6432	174.17097	7.68E-10	4.12E-08	1.51E-08	2.37E-13	7.15E-13	5.65E-13	2.95E-14	7.12E-13	3.93E-14	7.80929E-13	7.676E-10	4.1196E-08	1.51471E-08	2.4227E-13	1.19197E-13	1.20925E-13	1.98317E-14
507	571030.6	4178559	0.55, 41785	6.12086	4.69941	3.63304	562.31532	143.87555	907.33173	97.52112	53.65332	135.00156	5.16E-10	2.93E-08	1.12E-08	1.59E-13	4.81E-13	3.8E-13	1.98E-14	4.79E-13	2.64E-14	5.25322E-13	5.164E-10	2.9311E-08	1.11591E-08	1.62973E-13	8.01825E-14	8.13448E-14	1.33405E-14
508	571070.6	4178559	0.55, 41785	4.00501	3.46908	2.98955	291.75499	122.4909	364.39166	69.10596	41.80504	75.82917	3.8E-10	1.81E-08	7.66E-09	1.17E-13	3.54E-13	2.8E-13	1.46E-14	3.52E-13	1.95E-14	3.86499E-13	3.799E-10	1.8085E-08	7.66324E-09	1.19905E-13	5.89932E-14	5.98483E-14	9.81512E-15
509	571110.6	4178559	0.55, 41785	2.89394	2.70355	2.4438	288.47324	105.99812	437.78623	48.03981	36.46899	59.71453	2.95E-10	1.75E-08	5.41E-09	9.11E-14	2.75E-13	2.17E-13	1.13E-14	2.74E-13	1.51E-14	3.00359E-13	2.952E-10	1.7513E-08	5.41344E-09	9.31813E-14	4.58452E-14	4.65098E-14	7.6276E-15
510	571150.6	4178559	0.55, 41785	2.21115	2.17534	2.01472	240.56187	97.79178	377.92847	31.90722	30.3701	47.66793	2.37E-10	1.56E-08	3.69E-09	7.31E-14	2.21E-13	1.74E-13	9.1E-15	2.2E-13	1.21E-14	2.41105E-13	2.37E-10	1.5585E-08	3.69415E-09	7.47989E-14	3.6801E-14	3.73345E-14	6.12286E-15
511	571190.6	4178559	0.55, 41785	1.76303	1.79806	1.6955	177.14345	83.63267	264.27885	24.55859	26.34777	34.50528	1.96E-10	1.23E-08	2.82E-09	6.04E-14	1.82E-13	1.44E-13	7.51E-15	1.81E-13	1E-14	1.9902E-13	1.956E-10	1.2321E-08	2.81643E-09	6.17425E-14	3.03773E-14	3.08177E-14	5.0541E-15
512	571230.6	4178559	0.55, 41785	1.44054	1.50665	1.43503	192.87207	80.98435	306.26039	29.09943	22.26218	51.0434	1.64E-10	1.28E-08	3.46E-09	5.05E-14	1.53E-13	1.21E-13	6.29E-15	1.52E-13	8.39E-15	1.66576E-13	1.637E-10	1.2761E-08	3.46233E-09	5.16773E-14	2.54252E-14	2.57938E-14	4.23018E-15
513	571270.6	4178559	0.55, 41785	1.19178	1.27042	1.20125	167.21575	71.42327	283.3883	22.32638	19.23301	35.42354	1.38E-10	1.14E-08	2.61E-09	4.25E-14	1.28E-13	1.01E-13	5.29E-15	1.28E-13	7.05E-15	1.40118E-13	1.377E-10	1.139E-08	2.61039E-09	4.34694E-14	2.13869E-14	2.1697E-14	3.5583E-15
514	571310.6	4178559	0.55, 41785	1.01245	1.08581	1.02025	169.23295	65.49002	155.67948	26.6418	16.91234	25.18935	1.18E-10	9.32E-09	2.9E-09	3.63E-14	1.1E-13	8.65E-14	4.52E-15	1.09E-13	6.02E-15	1.19615E-13	1.176E-10	9.3173E-09	2.90452E-09	3.71085E-14	1.82574E-14	1.8522E-14	3.03761E-15
515	571350.6	4178559	0.55, 41785	0.8838	0.94242	0.90608	194.09519	63.64749	285.0024	28.90026	14.99354	40.61241	1.02E-10	1.1E-08	3.31E-09	3.16E-14	9.54E-14	7.53E-14	3.93E-15	9.5E-14	5.24E-15	1.04127E-13	1.024E-10	1.0994E-08	3.31443E-09	3.23037E-14	1.58934E-14	1.61238E-14	2.6443E-15
516	571390.6	4178559	0.55, 41785	0.78025	0.82372	0.8159	158.10154	57.98385	206.74246	23.81897	12.89204	30.22211	8.98E-11	9.18E-09	2.69E-09	2.77E-14	8.37E-14	6.61E-14	3.45E-15	8.33E-14	4.6E-15	9.139E-14	8.983E-11	9.1797E-09	2.69165E-09	2.83522E-14	1.39493E-14	1.41515E-14	2.32085E-15
517	571430.6	4178559	0.55, 41785	0.68512	0.72115	0.71821	137.68904	52.2569	180.06144	18.93914	11.62385	25.68604	7.87E-11	8.15E-09	2.16E-09	2.43E-14	7.33E-14	5.79E-14	3.02E-15	7.3E-14	4.03E-15	8.00793E-14	7.871E-11	8.1486E-09	2.1606E-09	2.48433E-14	1.22229E-14	1.24001E-14	2.03361E-15
518	571470.6	4178559	0.55, 41785	0.60049	0.63425	0.62389	143.56241	49.93475	187.32246	19.90478	10.29716	25.60594	6.91E-11	8.09E-09	2.25E-09	2.13E-14	6.44E-14	5.09E-14	2.65E-15	6.41E-14	3.54E-15	7.03114E-14	6.911E-11	8.0927E-09	2.25364E-09	2.18129E-14	1.0732E-14	1.08875E-14	1.78556E-15
519	571510.6	4178559	0.55, 41785	0.52736	0.56045	0.5447	131.02036	47.72087	167.66109	18.26486	8.99798	23.11602	6.1E-11	7.53E-09	2.06E-09	1.88E-14	5.68E-14	4.49E-14	2.34E-15	5.66E-14	3.12E-15	6.20148E-14	6.096E-11	7.5332E-09	2.06328E-09	1.92391E-14	9.46561E-15	9.60283E-15	1.57486E-15
520	571550.6	4178559	0.55, 41785	0.46874	0.49944	0.48529	99.50634	45.73793	109.0385	14.05158	8.03042	15.4257	5.43E-11	6.33E-09	1.56E-09	1.68E-14	5.06E-14	4E-14	2.09E-15	5.04E-14	2.78E-15	5.52503E-14	5.431E-11	6.3268E-09	1.55828E-09	1.71405E-14	8.43312E-15	8.55537E-15	1.40308E-15
521	571590.6	4178559	0.55, 41785	0.42104	0.44786	0.43792	63.39282	43.98321	60.02596	9.17705	7.35207	9.24249	4.87E-11	5.21E-09	1.01E-09	1.5E-14	4.54E-14	3.59E-14	1.87E-15	4.52E-14	2.5E-15	4.95859E-14	4.874E-11	5.2136E-09	1.00746E-09	1.53832E-14	7.56853E-15	7.67824E-15	1.25923E-15
522	570310.6	4178599	0.55, 41785	0.10507	0.08466	0.09914	83.25071	28.48032	95.05484	11.19876	3.62883	12.56574	9.67E-12	4.48E-09	1.25E-09	2.98E-15	9.01E-15	7.11E-15	3.71E-16	8.97E-15	4.95E-16	9.83383E-15	9.666E-12	4.484E-09	1.24526E-09	3.05078E-15	1.50098E-15	1.52274E-15	2.4973E-16
523	570350.6	4178599	0.55, 41785	0.11716	0.09561	0.10985	88.57329	30.33455	103.53599	11.44069	3.79182	12.942	1.09E-11	4.8E-09	1.27E-09	3.36E-15	1.01E-14	8E-15	4.18E-16	1.01E-14	5.57E-16	1.10642E-14	1.088E-11	4.8032E-09	1.27345E-09	3.43249E-15	1.68879E-15	1.71327E-15	2.80976E-16
524	570390.6	4178599	0.55, 41785	0.13131	0.10865	0.12235	93.2639	32.45644	112.44406	11.65799	4.05706	14.05551	1.23E-11	5.14E-09	1.31E-09	3.8E-15	1.15E-14	9.06E-15	4.73E-16	1.14E-14	6.3E-16	1.25238E-14	1.231E-11	5.1449E-09	1.30833E-09	3.8853E-15	1.91157E-15	1.93928E-15	3.18042E-16
525	570430.6	4178599	0.55, 41785	0.15022	0.126	0.13878	103.53542	36.02365	122.12845	12.94193	4.50296	15.26606	1.42E-11	5.68E-09	1.45E-09	4.39E-15	1.32E-14	1.05E-14	5.46E-16	1.32E-14	7.28E-16	1.44641E-14	1.422E-11	5.6776E-09	1.44827E-09	4.48725E-15	2.20773E-15	2.23973E-15	3.67315E-16
526	570470.6	4178599	0.55, 41785	0.17421	0.14819	0.15942	115.63183	39.91557	131.63773	14.45398	5.34922	16.45472	1.67E-11	6.25E-09	1.61E-09	5.14E-15	1.55E-14	1.23E-14	6.39E-16	1.54E-14	8.53E-16	1.6939E-14	1.665E-11	6.2546E-09	1.61014E-09	5.25505E-15	2.58549E-15	2.62297E-15	4.30166E-16
527	570510.6	4178599	0.55, 41785	0.20799	0.17912	0.18803	128.15759	44.54205	154.67263	16.0197	6.36274	19.33408	2E-11	7.07E-09	1.8E-09	6.18E-15	1.87E-14	1.48E-14	7.7E-16	1.86E-14	1.03E-15	2.03902E-14	2.004E-11	7.0667E-09	1.79807E-09	6.32572E-15	3.11225E-15	3.15737E-15	5.17808E-16
528	570550.6	4178599	0.55, 41785	0.25382	0.22088	0.22625	141.74172	51.90419	182.47104	17.71771	7.41488	22.80888	2.46E-11	8.19E-09	2.01E-09	7.6E-15	2.29E-14	1.81E-14	9.46E-16	2.28E-14	1.26E-15	2.50469E-14	2.462E-11	8.1874E-09	2.00622E-09	7.77038E-15	3.82303E-15	3.87844E-15	6.36065E-16
529	570590.6	4178599	0.55, 41785	0.31442	0.27626	0.27638	161.8077	62.94071	207.9054	20.22596	8.27119	25.98817	3.07E-11	9.66E-09	2.29E-09	9.47E-15	2.86E-14	2.26E-14	1.18E-15	2.85E-14	1.57E-15	3.12136E-14	3.068E-11	9.6644E-09	2.28962E-09	9.6835E-15	4.76428E-15	4.83335E-15	7.92669E-16
530	570630.6	4178599	0.55, 41785	0.39904	0.35395	0.34775	187.04764	77.01967	233.41259	23.38095	12.20463	29.17657	3.92E-11	1.15E-08	2.64E-09	1.21E-14	3.65E-14	2.88E-14	1.51E-15	3.64E-14	2.01E-15	3.98738E-14	3.919E-11	1.146E-08	2.63611E-09	1.23702E-14	6.08613E-15	6.17435E-15	1.01259E-15
531	570670.6	4178599	0.55, 41785	0.52025	0.46779	0.4567	203.91154	89.67976	314.96286	27.18561	17.16092	39.37036	5.17E-11	1.37E-08	3.13E-09	1.6E-14	4.82E-14	3.8E-14	1.99E-15	4.8E-14	2.65E-15	5.25905E-14	5.169E-11	1.3738E-08	3.13217E-09	1.63153E-14	8.02714E-15	8.1435E-15	1.33553E-15
532	570710.6	4178599	0.55, 41785	0.68748	0.63563	0.62617	226.5911	101.22552	383.25212	32.37016	22.387	47.90652	7.01E-11	1.58E-08	3.74E-09	2.16E-14	6.53E-14	5.16E-14	2.69E-15	6.51E-14	3.59E-15	7.1335E-14	7.012E-11	1.5814E-08	3.74216E-09	2.21305E-14	1.08882E-14	1.1046E-14	1.81155E-15
533	570750.6	4178599	0.55, 41785	0.91976	0.89022	0.88415	243.41497	114.05895	499.75889	34.77357	31.00996	69.4997	9.79E-11	1.85E-08	4.24E-09	3.02E-14	9.12E-14	7.2E-14	3.76E-15	9.08E-14	5.01E-15	9.9565E-14	9.787E-11	1.8538E-08	4.2422E-09	3.08884E-14	1.51971E-14	1.54174E-14	2.52845E-15
534	570790.6	4178599	0.55, 41785	1.20615	1.22781	1.16033	261.32328	130.44037	537.17009	39.31654	39.06207	73.65107	1.34E-10	2.06E-08	4.74E-09	4.12E-14	1.25E-13	9.84E-14	5.13E-15	1.24E-13	6.84E-15	1.35956E-13	1.336E-10	2.0609E-08	4.73571E-09	4.2178E-14	2.07516E-14	2.10524E-14	3.45259E-15
535	570830.6	4178599	0.55, 41785	1.86035	2.06593	1.53512	307.79075	158.37727	606.96091	57.33573	51.17396	80.52216	2.18E-10	2.44E-08	6.57E-09	6.73E-14	2.03E-13	1.6E-13	8.37E-15	2.02E-13	1.12E-14	2.21836E-13	2.181E-10	2.4372E-08	6.57494E-09	6.88208E-14	3.38598E-14	3.43507E-14	5.63351E-15
536	570870.6	4178599	0.55, 41785	2.81953	3.8452	1.88016	429.66876	238.19724	679.18896	77.96533	87.47681	90.64703	3.87E-10	3.34E-08	8.71E-09	1.2E-13	3.61E-13	2.85E-13	1.49E-14	3.59E-13	1.98E-14	3.94197E-13	3.875E-10	3.3448E-08	8.70845E-09	1.22293E-13	6.01682E-14	6.10404E-14	1.00106E-14
537	570910.6	4178599	0.55, 41785	4.21414	6.38342	2.32175	555.65098	273.48442	945.27353	124.98504	103.73159	124.24769	6.29E-10	4.11E-08	1.37E-08	1.94E-13	5.86E-13	4.63E-13	2.42E-14	5.83E-13	3.22E-14	6.39709E-13	6.288E-10	4.1056E-08	1.37008E-08	1.98459E-13	9.76418E-14	9.90572E-14	1.62454E-14
538	570950.6	4178599	0.55, 41785	4.59898	4.54538	2.28746	563.80012	195.03038	769.06119	96.52509	58.5202	125.1466	4.71E-10	3.21E-08	1.09E-08	1.45E-13	4.39E-13	3.47E-13	1.81E-14	4.37E-13	2.41E-14	4.79485E-13	4.713E-10	3.2099E-08	1.09407E-08	1.48752E-13	7.31861E-14	7.4247E-14	1.21765E-14
539	570990.6	4178599	0.55, 41785	3.82228	3.4158	2.10211	387.45867	157.86758	722.29473	74.93195	45.58999	97.36969	3.63E-10	2.65E-08	8.5E-09	1.12E-13	3.38E-13	2.67E-13	1.39E-14	3.36E-13	1.86E-14	3.688E-13	3.625E-10	2.6533E-08	8.4959E-09	1.14414E-13	5.62918E-14	5.71078E-14	9.36568E-15
540	571030.6	4178599	0.55, 41785	3.02247	2.69987	1.99871	442.17309	124.03841	776.22539	67.82636	38.72372	97.59907	2.91E-10	2.48E-08	7.81E-09	8.97E-14	2.71E-13	2.14E-13	1.12E-14	2.7E-13	1.49E-14	2.95741E-13	2.907E-10	2.4776E-08	7.80683E-09	9.17489E-14	4.51404E-14	4.57948E-14	7.51034E-15
541	571070.6	4178599	0.55, 41785	2.43201	2.20804	1.81695	323.32852	105.96293	523.5768	49.87717	32.54487	75.45431	2.4E-10	1.89E-08	5.79E-09	7.39E-14	2.23E-13	1.76E-13	9.2E-15	2.22E-13	1.23E-14	2.43752E-13	2.396E-10	1.891E-08	5.78625E-09	7.56201E-14	3.72051E-14	3.77444E-14	6.19008E-15
542	571110.6	4178599	0.55, 41785	1.9361	1.83698	1.53551	285.52756	89.63178	395.42144	42.26506	28.59229	57.87538	1.99E-10	1.55E-08	4.83E-09	6.13E-14	1.85E-13	1.46E-13	7.63E-15	1.84E-13	1.02E-14	2.02215E-13	1.988E-10	1.553E-08	4.82847E-09	6.27338E-14	3.08651E-14	3.13125E-14	5.13524E-15
543	571150.6	4178599	0.55, 41785	1.58315	1.55537	1.34493	182.41041	88.91432	301.39134	29.75311	25.20352	37.67392	1.68E-10	1.33E-08	3.36E-09	5.19E-14	1.57E-13	1.24E-13	6.46E-15	1.56E-13	8.62E-15	1.71214E-13	1.683E-10	1.3292E-08	3.36127E-09	5.31163E-14	2.61332E-14	2.65121E-14	4.34798E-15
544	571190.6	4178599	0.55, 41785	1.33739	1.33597	1.20735	189.26194	77.8274	237.13522	24.55337	21.99349	31.52399	1.45E-10	1.16E-08	2.78E-09	4.47E-14	1.35E-13	1.07E-13	5.57E-15	1.34E-13	7.42E-15	1.47491E-13	1.45E-10	1.1598E-08	2.7792E-09	4.57567E-14	2.25123E-14	2.28386E-14	3.74553E-15
545	571230.6	4178599	0.55, 41785	1.14183	1.1549	1.07779	177.02423	70.01737	247.02933	25.42204	18.83046	36.19826	1.26E-10	1.09E-08	2.92E-09	3.88E-14	1.17E-13	9.24E-14	4.82E-15	1.17E-13	6.43E-15	1.27785E-13	1.256E-10	1.0916E-08	2.92136E-09	3.96431E-14	1.95044E-14	1.97871E-14	3.24509E-15
546	571270.6	4178599	0.55, 41785	0.97959	1.00523	0.95378	160.46118	68.49541	236.51718	22.92303	16.81937	33.9008	1.09E-10	1.05E-08	2.65E-09	3.38E-14	1.02E-13	8.05E-14	4.2E-15	1.01E-13	5.6E-15	1.11278E-13	1.094E-10	1.049E-08	2.64972E-09	3.45221E-14	1.69849E-14	1.72311E-14	2.82589E-15
547	571310.6	4178599	0.55, 41785	0.84011	0.87488	0.82502	131.92842	62.86665	193.55215	16.49105	15.16442	24.19402	9.5E-11	9.19E-09	1.9E-09	2.93E-14	8.85E-14	6.99E-14	3.65E-15	8.81E-14	4.87E-15	9.66595E-14	9.501E-11	9.1866E-09	1.90384E-09	2.9987E-14	1.47536E-14	1.49675E-14	2.45467E-15
548	571350.6	4178599	0.55, 41785	0.73896	0.77159	0.73066	149.85158	58.69155	153.82017	22.55392	13.49962	22.49489	8.38E-11	8.51E-09	2.47E-09	2.59E-14	7.81E-14	6.17E-14	3.22E-15	7.78E-14	4.29E-15	8.52662E-14	8.381E-11	8.5084E-09	2.47327E-09	2.64524E-14	1.30146E-14	1.32032E-14	2.16533E-15
549	571390.6	4178599	0.55, 41785	0.661	0.68563	0.66671	168.50279	56.32456	235.09945	24.41155	12.10471	32.40344	7.47E-11	9.49E-09	2.78E-09	2.31E-14	6.96E-14	5.5E-14	2.87E-15	6.93E-14	3.83E-15	7.60295E-14	7.473E-11	9.4863E-09	2.77622E-09	2.35869E-14	1.16047E-14	1.1773E-14	1.93077E-15
550	571430.6	4178599	0.55, 41785	0.59511	0.61204	0.61151	136.17098	51.76249	171.68803	20.03651	10.61326	24.28892	6.7E-11	7.99E-09	2.25E-09	2.07E-14	6.24E-14	4.93E-14	2.57E-15	6.21E-14	3.43E-15	6.81248E-14	6.696E-11	7.9872E-09	2.25024E-09	2.11346E-14	1.03982E-14	1.05489E-14	1.73003E-15
551	571470.6	4178599	0.55, 41785	0.53051	0.54561	0.54811	117.9441	47.17442	154.11151	16.84916	9.40387	22.01593	5.97E-11	7.19E-09	1.91E-09	1.84E-14	5.57E-14	4.4E-14	2.29E-15	5.54E-14	3.06E-15	6.07678E-14	5.973E-11	7.1895E-09	1.91188E-09	1.88522E-14	9.27528E-15	9.40973E-15	1.5432E-15
552	571510.6	4178599	0.55, 41785	0.47218	0.48877	0.48576	120.07824	45.51387	145.12306	16.38718	8.49605	19.65912	5.34E-11	6.95E-09	1.84E-09	1.65E-14	4.98E-14	3.93E-14	2.05E-15	4.96E-14	2.74E-15	5.43407E-14	5.341E-11	6.9545E-09	1.83786E-09	1.68583E-14	8.29428E-15	8.41451E-15	1.37998E-15
553	571550.6	4178599	0.55, 41785	0.42043	0.43954	0.43052	119.99429	43.92883	151.34582	16.43506	7.56489	20.5622	4.79E-11	6.89E-09	1.85E-09	1.48E-14	4.46E-14	3.53E-14	1.84E-15	4.45E-14	2.45E-15	4.87462E-14	4.791E-11	6.8916E-09	1.85365E-09	1.51227E-14	7.44037E-15	7.54823E-15	1.23791E-15
554	571590.6	4178599	0.55, 41785	0.37632	0.39688	0.38556	100.33698	42.40478	116.86516	13.86046	7.00095	16.11187	4.32E-11	6.14E-09	1.55E-09	1.33E-14	4.02E-14	3.18E-14	1.66E-15	4.01E-14	2.21E-15	4.39422E-14	4.319E-11	6.1397E-09	1.54813E-09	1.36323E-14	6.70711E-15	6.80433E-15	1.11591E-15
555	570310.6	4178639	0.55, 41786	0.10356	0.08559	0.09711	83.92303	29.66661	96.15389	10.49038	3.70833	12.01924	9.71E-12	4.61E-09	1.17E-09	3E-15	9.04E-15	7.14E-15	3.73E-16	9.01E-15	4.97E-16	9.87605E-15	9.708E-12	4.608E-09	1.16955E-09	3.06388E-15	1.50743E-15	1.52928E-15	2.50802E-16
556	570350.6	4178639	0.55, 41786	0.1161	0.09716	0.10841	92.63397	32.60646	103.61771	11.57925	4.08084	12.95221	1.1E-11	5.04E-09	1.29E-09	3.39E-15	1.02E-14	8.08E-15	4.22E-16	1.02E-14	5.62E-16	1.11736E-14	1.098E-11	5.0431E-09	1.28707E-09	3.46641E-15	1.70547E-15	1.7302E-15	2.83752E-16
557	570390.6	4178639	0.55, 41786	0.13068	0.11086	0.1215	100.54346	34.97331	116.66288	12.56793	4.70976	14.58286	1.25E-11	5.49E-09	1.4E-09	3.85E-15	1.16E-14	9.19E-15	4.8E-16	1.16E-14	6.39E-16	1.27036E-14	1.249E-11	5.4889E-09	1.40343E-09	3.94108E-15	1.93901E-15	1.96712E-15	3.22608E-16
558	570430.6	4178639	0.55, 41786	0.14929	0.12834	0.13819	107.49924	37.52244	130.89362	13.4374	5.36035	16.3617	1.44E-11	5.96E-09	1.51E-09	4.45E-15	1.34E-14	1.06E-14	5.53E-16	1.34E-14	7.38E-16	1.46557E-14	1.441E-11	5.9558E-09	1.51001E-09	4.5467E-15	2.23697E-15	2.2694E-15	3.72182E-16
559	570470.6	4178639	0.55, 41786	0.17443	0.15183	0.16061	116.62505	42.4162	145.19757	14.57813	6.05946	18.1497	1.7E-11	6.65E-09	1.64E-09	5.24E-15	1.58E-14	1.25E-14	6.52E-16	1.58E-14	8.7E-16	1.72802E-14	1.699E-11	6.6503E-09	1.64311E-09	5.36091E-15	2.63757E-15	2.6758E-15	4.38831E-16
560	570510.6	4178639	0.55, 41786	0.20768	0.18277	0.19013	127.00459	48.18252	156.06863	15.87557	6.71257	19.50858	2.04E-11	7.39E-09	1.79E-09	6.29E-15	1.9E-14	1.5E-14	7.83E-16	1.89E-14	1.04E-15	2.07384E-14	2.038E-11	7.3912E-09	1.78619E-09	6.43374E-15	3.1654E-15	3.21129E-15	5.26651E-16
561	570550.6	4178639	0.55, 41786	0.2504	0.22269	0.22841	148.76746	59.99627	172.72318	18.59593	7.58374	21.5904	2.48E-11	8.84E-09	2.08E-09	7.64E-15	2.31E-14	1.82E-14	9.51E-16	2.3E-14	1.27E-15	2.52008E-14	2.477E-11	8.8447E-09	2.07673E-09	7.81814E-15	3.84652E-15	3.90228E-15	6.39974E-16
562	570590.6	4178639	0.55, 41786	0.30521	0.27478	0.27907	162.38276	69.4472	222.88998	20.29784	10.74133	27.86125	3.05E-11	1.04E-08	2.32E-09	9.41E-15	2.84E-14	2.24E-14	1.17E-15	2.83E-14	1.56E-15	3.10232E-14	3.049E-11	1.0424E-08	2.3197E-09	9.62443E-15	4.73522E-15	4.80386E-15	7.87833E-16
563	570630.6	4178639	0.55, 41786	0.37839	0.34592	0.35098	177.15033	78.68271	266.26636	23.7109	14.16715	33.28329	3.83E-11	1.19E-08	2.72E-09	1.18E-14	3.57E-14	2.82E-14	1.47E-15	3.56E-14	1.96E-15	3.89922E-14	3.833E-11	1.1912E-08	2.71884E-09	1.20967E-14	5.95157E-15	6.03785E-15	9.90207E-16

564	570670.6	4178639	0.55, 41786	0.47152	0.44129	0.44999	194.04584	86.02037	313.51443	27.72083	17.24466	39.1893	4.88E-11	1.33E-08	3.18E-09	1.51E-14	4.55E-14	3.59E-14	1.87E-15	4.53E-14	2.5E-15	4.96583E-14	4.881E-11	1.3303E-08	3.18205E-09	1.54057E-14	7.57959E-15	7.68946E-15	1.26107E-15
565	570710.6	4178639	0.55, 41786	0.59058	0.57043	0.57865	207.44684	93.90742	372.29223	29.63526	21.88085	53.1846	6.29E-11	1.48E-08	3.54E-09	1.94E-14	5.86E-14	4.63E-14	2.41E-15	5.83E-14	3.22E-15	6.39627E-14	6.287E-11	1.4849E-08	3.54088E-09	1.98434E-14	9.76294E-15	9.90446E-15	1.62433E-15
566	570750.6	4178639	0.55, 41786	0.7421	0.74424	0.7234	219.27007	107.04803	379.32522	31.3243	27.05481	52.15596	8.14E-11	1.62E-08	3.69E-09	2.51E-14	7.58E-14	5.99E-14	3.12E-15	7.55E-14	4.17E-15	8.27715E-14	8.136E-11	1.6203E-08	3.69267E-09	2.56785E-14	1.26338E-14	1.2817E-14	2.10198E-15
567	570790.6	4178639	0.55, 41786	0.94425	0.97087	0.85006	237.37937	117.94026	412.19598	33.01145	30.70173	55.76703	1.05E-10	1.77E-08	3.9E-09	3.23E-14	9.76E-14	7.71E-14	4.02E-15	9.72E-14	5.36E-15	1.06564E-13	1.047E-10	1.7739E-08	3.90144E-09	3.30598E-14	1.62654E-14	1.65012E-14	2.70619E-15
568	570830.6	4178639	0.55, 41786	1.23329	1.33292	0.96284	295.25944	130.22679	473.13116	42.69044	39.99654	61.26658	1.41E-10	2.01E-08	4.91E-09	4.34E-14	1.31E-13	1.04E-13	5.4E-15	1.31E-13	7.2E-15	1.43111E-13	1.407E-10	2.0136E-08	4.91167E-09	4.43979E-14	2.18438E-14	2.21604E-14	3.63431E-15
569	570870.6	4178639	0.55, 41786	1.50989	1.73214	1.20169	317.24906	188.19869	615.93486	58.25942	53.82297	76.99186	1.81E-10	2.72E-08	6.62E-09	5.59E-14	1.69E-13	1.33E-13	6.96E-15	1.68E-13	9.28E-15	1.84423E-13	1.813E-10	2.7185E-08	6.6214E-09	5.72143E-14	2.81494E-14	2.85575E-14	4.68342E-15
570	570910.6	4178639	0.55, 41786	1.78259	1.99297	1.30656	332.58479	179.86407	638.76492	63.94152	52.98497	79.84561	2.08E-10	2.69E-08	7.21E-09	6.42E-14	1.94E-13	1.53E-13	7.99E-15	1.93E-13	1.07E-14	2.11695E-13	2.081E-10	2.6888E-08	7.20984E-09	6.56749E-14	3.23121E-14	3.27805E-14	5.37599E-15
571	570950.6	4178639	0.55, 41786	1.86524	1.94862	1.2876	326.77204	147.92341	425.10208	57.64661	41.4452	82.66786	2.05E-10	2.14E-08	6.63E-09	6.32E-14	1.91E-13	1.51E-13	7.87E-15	1.9E-13	1.05E-14	2.08338E-13	2.048E-10	2.1403E-08	6.63165E-09	6.46332E-14	3.17996E-14	3.22605E-14	5.29073E-15
572	570990.6	4178639	0.55, 41786	1.76592	1.78245	1.25006	311.73236	122.31574	573.48464	43.80696	33.57582	91.70195	1.89E-10	2.08E-08	5.4E-09	5.83E-14	1.76E-13	1.39E-13	7.25E-15	1.75E-13	9.67E-15	1.92076E-13	1.888E-10	2.0842E-08	5.39533E-09	5.95884E-14	2.93175E-14	2.97425E-14	4.87776E-15
573	571030.6	4178639	0.55, 41786	1.5977	1.58915	1.17717	263.38378	106.70114	334.97263	40.88022	26.80487	57.79917	1.69E-10	1.61E-08	4.69E-09	5.23E-14	1.58E-13	1.25E-13	6.5E-15	1.57E-13	8.67E-15	1.72265E-13	1.693E-10	1.6061E-08	4.69269E-09	5.34424E-14	2.62936E-14	2.66748E-14	4.37467E-15
574	571070.6	4178639	0.55, 41786	1.42629	1.41473	1.18099	323.91584	92.06505	516.79706	44.84431	24.93328	64.76299	1.52E-10	1.76E-08	5.16E-09	4.7E-14	1.42E-13	1.12E-13	5.85E-15	1.41E-13	7.81E-15	1.55065E-13	1.524E-10	1.7616E-08	5.16447E-09	4.81062E-14	2.36683E-14	2.40113E-14	3.93786E-15
575	571110.6	4178639	0.55, 41786	1.27265	1.25146	1.07066	231.49813	85.11921	353.08688	34.4516	22.95032	48.16161	1.35E-10	1.41E-08	3.95E-09	4.17E-14	1.26E-13	9.95E-14	5.19E-15	1.25E-13	6.93E-15	1.37604E-13	1.353E-10	1.4081E-08	3.94798E-09	4.26895E-14	2.10032E-14	2.13077E-14	3.49446E-15
576	571150.6	4178639	0.55, 41786	1.10067	1.1079	0.9372	235.36335	78.49538	345.02109	33.92291	20.75102	48.66179	1.19E-10	1.34E-08	3.9E-09	3.68E-14	1.11E-13	8.78E-14	4.58E-15	1.11E-13	6.11E-15	1.21425E-13	1.194E-10	1.344E-08	3.90266E-09	3.76702E-14	1.85337E-14	1.88024E-14	3.08359E-15
577	571190.6	4178639	0.55, 41786	0.96404	0.98605	0.85109	150.10185	73.9658	197.92558	22.00887	18.66835	28.93746	1.06E-10	1.04E-08	2.5E-09	3.28E-14	9.9E-14	7.82E-14	4.08E-15	9.86E-14	5.44E-15	1.08127E-13	1.063E-10	1.0391E-08	2.49957E-09	3.35446E-14	1.6504E-14	1.67432E-14	2.74588E-15
578	571230.6	4178639	0.55, 41786	0.85847	0.87787	0.78438	130.71922	65.23747	181.52397	20.98447	16.26127	28.21366	9.5E-11	9.23E-09	2.39E-09	2.93E-14	8.85E-14	6.99E-14	3.65E-15	8.81E-14	4.86E-15	9.66005E-14	9.495E-11	9.234E-09	2.3909E-09	2.99687E-14	1.47446E-14	1.49583E-14	2.45317E-15
579	571270.6	4178639	0.55, 41786	0.76521	0.78388	0.72231	147.71702	61.52416	210.17535	22.46264	14.29709	35.02922	8.5E-11	9.43E-09	2.62E-09	2.62E-14	7.92E-14	6.26E-14	3.27E-15	7.89E-14	4.36E-15	8.6519E-14	8.504E-11	9.4295E-09	2.6188E-09	2.68411E-14	1.32058E-14	1.33972E-14	2.19715E-15
580	571310.6	4178639	0.55, 41786	0.67814	0.70066	0.65218	136.41117	59.8434	199.34802	17.34958	13.40052	24.9185	7.6E-11	9.04E-09	2E-09	2.35E-14	7.08E-14	5.6E-14	2.92E-15	7.05E-14	3.89E-15	7.73574E-14	7.604E-11	9.0376E-09	1.99636E-09	2.39989E-14	1.18074E-14	1.19786E-14	1.96449E-15
581	571350.6	4178639	0.55, 41786	0.60279	0.6273	0.58324	124.67819	56.4143	162.56927	15.58477	12.33978	20.32116	6.8E-11	8.17E-09	1.77E-09	2.1E-14	6.34E-14	5.01E-14	2.61E-15	6.31E-14	3.48E-15	6.92062E-14	6.803E-11	8.1688E-09	1.76788E-09	2.14701E-14	1.05633E-14	1.07164E-14	1.75749E-15
582	571390.6	4178639	0.55, 41786	0.54567	0.56561	0.53406	134.64293	53.30447	146.45838	19.4501	11.04071	20.47738	6.15E-11	7.8E-09	2.15E-09	1.9E-14	5.73E-14	4.52E-14	2.36E-15	5.7E-14	3.15E-15	6.25244E-14	6.146E-11	7.7963E-09	2.14619E-09	1.93972E-14	9.54341E-15	9.68175E-15	1.58781E-15
583	571430.6	4178639	0.55, 41786	0.50035	0.51255	0.49968	147.79016	50.85435	197.85336	20.77571	9.97795	26.64502	5.59E-11	8.34E-09	2.35E-09	1.73E-14	5.21E-14	4.12E-14	2.15E-15	5.19E-14	2.86E-15	5.69149E-14	5.594E-11	8.3446E-09	2.35125E-09	1.76569E-14	8.68719E-15	8.81312E-15	1.44535E-15
584	571470.6	4178639	0.55, 41786	0.45884	0.46513	0.46599	118.76181	47.03177	145.5886	16.94782	8.9119	19.9832	5.1E-11	7.08E-09	1.9E-09	1.57E-14	4.75E-14	3.75E-14	1.96E-15	4.73E-14	2.61E-15	5.18543E-14	5.097E-11	7.0801E-09	1.89644E-09	1.60869E-14	7.91478E-15	8.02951E-15	1.31684E-15
585	571510.6	4178639	0.55, 41786	0.41516	0.4204	0.42431	105.04191	43.02213	132.76114	15.00599	7.61313	18.96588	4.61E-11	6.44E-09	1.69E-09	1.42E-14	4.3E-14	3.39E-14	1.77E-15	4.28E-14	2.36E-15	4.69114E-14	4.611E-11	6.436E-09	1.69483E-09	1.45535E-14	7.16031E-15	7.26411E-15	1.19131E-15
586	571550.6	4178639	0.55, 41786	0.37489	0.38245	0.3824	101.59712	41.64808	125.74417	13.25702	7.0054	15.71802	4.19E-11	6.2E-09	1.48E-09	1.29E-14	3.9E-14	3.08E-14	1.61E-15	3.89E-14	2.14E-15	4.26034E-14	4.188E-11	6.1953E-09	1.48451E-09	1.3217E-14	6.50277E-15	6.59703E-15	1.08191E-15
587	571590.6	4178639	0.55, 41786	0.33863	0.34937	0.34405	106.83121	40.48294	130.44071	14.45913	6.53587	17.55635	3.82E-11	6.2E-09	1.62E-09	1.18E-14	3.55E-14	2.81E-14	1.47E-15	3.54E-14	1.95E-15	3.88139E-14	3.815E-11	6.2028E-09	1.62421E-09	1.20414E-14	5.92436E-15	6.01023E-15	9.85678E-16
588	570310.6	4178679	0.55, 41786	0.10291	0.0869	0.09701	88.39628	30.98258	103.31105	11.04953	4.21243	12.91388	9.81E-12	4.86E-09	1.24E-09	3.03E-15	9.14E-15	7.22E-15	3.77E-16	9.11E-15	5.03E-16	9.98492E-15	9.815E-12	4.8554E-09	1.23502E-09	3.09766E-15	1.52405E-15	1.54614E-15	2.53567E-16
589	570350.6	4178679	0.55, 41786	0.11574	0.09888	0.10892	93.23081	33.32166	112.3331	11.65385	4.76024	14.04164	1.11E-11	5.22E-09	1.31E-09	3.44E-15	1.04E-14	8.2E-15	4.28E-16	1.03E-14	5.7E-16	1.13295E-14	1.114E-11	5.2189E-09	1.30776E-09	3.51478E-15	1.72927E-15	1.75434E-15	2.87712E-16
590	570390.6	4178679	0.55, 41786	0.13137	0.11361	0.12342	99.39798	36.831	119.21549	12.42475	5.26157	14.90194	1.28E-11	5.67E-09	1.39E-09	3.94E-15	1.19E-14	9.39E-15	4.9E-16	1.18E-14	6.53E-16	1.29794E-14	1.276E-11	5.6716E-09	1.39342E-09	4.02665E-15	1.98111E-15	2.00983E-15	3.29612E-16
591	570430.6	4178679	0.55, 41786	0.15074	0.13191	0.14135	105.99103	39.73692	126.723	13.24888	5.6767	15.84037	1.48E-11	6.08E-09	1.49E-09	4.56E-15	1.38E-14	1.09E-14	5.67E-16	1.37E-14	7.56E-16	1.50277E-14	1.477E-11	6.0834E-09	1.48523E-09	4.6621E-15	2.29375E-15	2.327E-15	3.81629E-16
592	570470.6	4178679	0.55, 41786	0.17494	0.15487	0.16378	121.69462	47.75873	135.7735	15.21183	5.96984	16.97169	1.73E-11	7.05E-09	1.69E-09	5.34E-15	1.61E-14	1.27E-14	6.64E-16	1.6E-14	8.86E-16	1.75958E-14	1.73E-11	7.0517E-09	1.69031E-09	5.45879E-15	2.68573E-15	2.72466E-15	4.46844E-16
593	570510.6	4178679	0.55, 41786	0.2057	0.18414	0.19253	135.37794	56.46386	170.3708	16.92224	7.12807	21.29635	2.05E-11	8.37E-09	1.91E-09	6.33E-15	1.91E-14	1.51E-14	7.88E-16	1.9E-14	1.05E-15	2.08706E-14	2.051E-11	8.3746E-09	1.91013E-09	6.47476E-15	3.18558E-15	3.23176E-15	5.30008E-16
594	570550.6	4178679	0.55, 41786	0.2434	0.22078	0.22908	142.10791	62.60325	200.29273	17.76349	9.55219	25.03659	2.45E-11	9.35E-09	2.04E-09	7.57E-15	2.29E-14	1.81E-14	9.43E-16	2.28E-14	1.26E-15	2.4969E-14	2.454E-11	9.3469E-09	2.03812E-09	7.74621E-15	3.81113E-15	3.86638E-15	6.34086E-16
595	570590.6	4178679	0.55, 41786	0.29132	0.2684	0.27784	157.44437	70.02377	210.9671	21.20731	12.01595	26.37089	2.98E-11	1.03E-08	2.39E-09	9.19E-15	2.78E-14	2.19E-14	1.14E-15	2.76E-14	1.53E-15	3.03005E-14	2.978E-11	1.0279E-08	2.3899E-09	9.40022E-15	4.62491E-15	4.69195E-15	7.6948E-16
596	570630.6	4178679	0.55, 41786	0.34871	0.32823	0.33909	170.78411	74.6949	263.98396	24.39773	14.09383	33.40233	3.63E-11	1.15E-08	2.79E-09	1.12E-14	3.39E-14	2.67E-14	1.4E-15	3.37E-14	1.86E-15	3.69706E-14	3.634E-11	1.1472E-08	2.78718E-09	1.14695E-14	5.643E-15	5.7248E-15	9.38867E-16
597	570670.6	4178679	0.55, 41786	0.41782	0.40379	0.41108	181.29369	80.27499	295.25985	25.8991	15.99045	42.12286	4.45E-11	1.24E-08	3.04E-09	1.37E-14	4.15E-14	3.28E-14	1.71E-15	4.13E-14	2.28E-15	4.52934E-14	4.452E-11	1.245E-08	3.0408E-09	1.40515E-14	6.91334E-15	7.01356E-15	1.15022E-15
598	570710.6	4178679	0.55, 41786	0.49876	0.49687	0.48618	185.88712	90.92914	287.65142	26.5553	19.21501	39.31628	5.44E-11	1.33E-08	3.07E-09	1.68E-14	5.07E-14	4E-14	2.09E-15	5.05E-14	2.79E-15	5.53336E-14	5.439E-11	1.3334E-08	3.07013E-09	1.71663E-14	8.44584E-15	8.56827E-15	1.4052E-15
599	570750.6	4178679	0.55, 41786	0.59336	0.60818	0.55751	195.07014	97.11431	330.72411	27.40212	20.89244	45.57898	6.59E-11	1.45E-08	3.23E-09	2.03E-14	6.14E-14	4.85E-14	2.53E-15	6.12E-14	3.38E-15	6.70868E-14	6.594E-11	1.4496E-08	3.22974E-09	2.08126E-14	1.02398E-14	1.03882E-14	1.70367E-15
600	570790.6	4178679	0.55, 41786	0.71288	0.74367	0.61675	232.56486	100.08812	327.08033	29.70634	25.09865	40.88504	7.97E-11	1.51E-08	3.4E-09	2.46E-14	7.43E-14	5.87E-14	3.06E-15	7.39E-14	4.08E-15	8.10912E-14	7.971E-11	1.5081E-08	3.39628E-09	2.51572E-14	1.23773E-14	1.25568E-14	2.05931E-15
601	570830.6	4178679	0.55, 41786	0.82835	0.8948	0.66469	250.25968	113.32691	367.70207	36.36599	33.16876	46.21837	9.47E-11	1.69E-08	4.11E-09	2.92E-14	8.82E-14	6.97E-14	3.64E-15	8.78E-14	4.85E-15	9.63058E-14	9.466E-11	1.6914E-08	4.11045E-09	2.98773E-14	1.46996E-14	1.49127E-14	2.44568E-15
602	570870.6	4178679	0.55, 41786	0.92801	1.04065	0.83445	269.45277	158.88347	492.55659	39.41339	35.15016	62.53118	1.11E-10	2.26E-08	4.61E-09	3.41E-14	1.03E-13	8.13E-14	4.24E-15	1.03E-13	5.66E-15	1.12419E-13	1.105E-10	2.2629E-08	4.60815E-09	3.4876E-14	1.7159E-14	1.74077E-14	2.85487E-15
603	570910.6	4178679	0.55, 41786	1.03394	1.13081	0.83809	259.70616	144.94226	471.11442	42.20689	35.5523	58.8893	1.19E-10	2.1E-08	4.84E-09	3.69E-14	1.11E-13	8.79E-14	4.59E-15	1.11E-13	6.12E-15	1.21554E-13	1.195E-10	2.1048E-08	4.8353E-09	3.77101E-14	1.85534E-14	1.88223E-14	3.08686E-15
604	570950.6	4178679	0.55, 41786	1.05684	1.13643	0.82319	242.80014	123.49716	418.67106	39.92153	30.15323	58.18912	1.2E-10	1.84E-08	4.6E-09	3.7E-14	1.12E-13	8.83E-14	4.61E-15	1.11E-13	6.15E-15	1.22097E-13	1.2E-10	1.8359E-08	4.60414E-09	3.78786E-14	1.86363E-14	1.89064E-14	3.10065E-15
605	570990.6	4178679	0.55, 41786	1.01802	1.09421	0.82722	255.86386	105.93706	407.98363	37.15781	26.85338	67.99727	1.16E-10	1.68E-08	4.46E-09	3.58E-14	1.08E-13	8.54E-14	4.45E-15	1.08E-13	5.94E-15	1.17999E-13	1.16E-10	1.6819E-08	4.45586E-09	3.66073E-14	1.80108E-14	1.82719E-14	2.99659E-15
606	571030.6	4178679	0.55, 41786	0.98373	1.03259	0.8073	224.24787	96.85684	406.17161	32.03518	21.71644	50.77145	1.1E-10	1.57E-08	3.74E-09	3.39E-14	1.02E-13	8.1E-14	4.23E-15	1.02E-13	5.63E-15	1.11919E-13	1.1E-10	1.5691E-08	3.74484E-09	3.47211E-14	1.70828E-14	1.73304E-14	2.84219E-15
607	571070.6	4178679	0.55, 41786	0.92088	0.95493	0.77727	234.21131	81.25508	306.97474	29.84103	18.74017	38.37184	1.02E-10	1.32E-08	3.38E-09	3.15E-14	9.52E-14	7.52E-14	3.93E-15	9.48E-14	5.24E-15	1.03998E-13	1.022E-10	1.3201E-08	3.37843E-09	3.22637E-14	1.58738E-14	1.61039E-14	2.64103E-15
608	571110.6	4178679	0.55, 41786	0.85296	0.87816	0.75636	249.82687	76.90023	376.11255	32.83771	18.41049	47.06858	9.46E-11	1.38E-08	3.78E-09	2.92E-14	8.81E-14	6.96E-14	3.63E-15	8.77E-14	4.84E-15	9.62199E-14	9.458E-11	1.3826E-08	3.77737E-09	2.98506E-14	1.46865E-14	1.48994E-14	2.4435E-15
609	571150.6	4178679	0.55, 41786	0.78449	0.80428	0.7091	184.12399	71.8753	265.86204	26.94504	17.68151	37.98029	8.69E-11	1.14E-08	3.09E-09	2.68E-14	8.09E-14	6.39E-14	3.34E-15	8.06E-14	4.45E-15	8.83631E-14	8.686E-11	1.138E-08	3.09162E-09	2.74132E-14	1.34873E-14	1.36828E-14	2.24398E-15
610	571190.6	4178679	0.55, 41786	0.70872	0.73542	0.64227	192.12547	69.23049	267.93218	27.25383	16.04767	37.1098	7.93E-11	1.13E-08	3.11E-09	2.45E-14	7.38E-14	5.83E-14	3.04E-15	7.35E-14	4.06E-15	8.06347E-14	7.926E-11	1.1253E-08	3.11096E-09	2.50156E-14	1.23077E-14	1.24861E-14	2.04772E-15
611	571230.6	4178679	0.55, 41786	0.64141	0.6715	0.58509	152.95792	62.82263	210.7281	21.78847	14.44714	29.62503	7.23E-11	9.6E-09	2.49E-09	2.23E-14	6.74E-14	5.32E-14	2.78E-15	6.71E-14	3.7E-15	7.3552E-14	7.23E-11	9.6016E-09	2.48657E-09	2.28183E-14	1.12266E-14	1.13893E-14	1.86785E-15
612	571270.6	4178679	0.55, 41786	0.5854	0.61191	0.54631	124.65244	57.66905	171.62004	20.54509	12.75642	28.60334	6.61E-11	8.39E-09	2.35E-09	2.04E-14	6.15E-14	4.86E-14	2.54E-15	6.13E-14	3.38E-15	6.71987E-14	6.605E-11	8.3898E-09	2.35292E-09	2.08473E-14	1.02569E-14	1.04055E-14	1.70651E-15
613	571310.6	4178679	0.55, 41786	0.53447	0.5582	0.50849	125.80787	55.1913	171.33448	17.97255	11.70277	24.47635	6.04E-11	8.18E-09	2.05E-09	1.86E-14	5.63E-14	4.44E-14	2.32E-15	5.6E-14	3.09E-15	6.14319E-14	6.038E-11	8.1808E-09	2.05158E-09	1.90582E-14	9.37665E-15	9.51257E-15	1.56006E-15
614	571350.6	4178679	0.55, 41786	0.48504	0.50906	0.46427	111.39997	53.56601	157.83086	13.925	11.19981	19.72886	5.51E-11	7.73E-09	1.6E-09	1.7E-14	5.13E-14	4.05E-14	2.11E-15	5.11E-14	2.82E-15	5.60068E-14	5.505E-11	7.7302E-09	1.59897E-09	1.73752E-14	8.54859E-15	8.67251E-15	1.42229E-15
615	571390.6	4178679	0.55, 41786	0.44312	0.4655	0.42576	107.51836	51.27371	117.14548	13.43979	10.40254	14.64318	5.04E-11	6.99E-09	1.49E-09	1.55E-14	4.69E-14	3.71E-14	1.93E-15	4.67E-14	2.58E-15	5.12255E-14	5.035E-11	6.9902E-09	1.48907E-09	1.58918E-14	7.81879E-15	7.93213E-15	1.30087E-15
616	571430.6	4178679	0.55, 41786	0.41031	0.42684	0.39928	122.12368	48.88835	136.65658	17.23844	9.36082	18.91196	4.63E-11	7.17E-09	1.91E-09	1.43E-14	4.32E-14	3.41E-14	1.78E-15	4.3E-14	2.37E-15	4.71225E-14	4.632E-11	7.1657E-09	1.91155E-09	1.4619E-14	7.19253E-15	7.29679E-15	1.19667E-15
617	571470.6	4178679	0.55, 41786	0.38401	0.39267	0.38101	130.83453	46.56818	169.29762	18.03085	8.50414	22.62935	4.28E-11	7.45E-09	2.03E-09	1.32E-14	3.99E-14	3.15E-14	1.65E-15	3.97E-14	2.19E-15	4.35874E-14	4.284E-11	7.4506E-09	2.0345E-09	1.35223E-14	6.65296E-15	6.7494E-15	1.1069E-15
618	571510.6	4178679	0.55, 41786	0.35733	0.36026	0.36021	104.69184	43.30646	125.50481	14.57371	7.68103	16.95061	3.95E-11	6.37E-09	1.63E-09	1.22E-14	3.68E-14	2.91E-14	1.52E-15	3.66E-14	2.02E-15	4.01736E-14	3.949E-11	6.368E-09	1.62791E-09	1.24632E-14	6.13188E-15	6.22077E-15	1.02021E-15
619	571550.6	4178679	0.55, 41786	0.32923	0.33046	0.33426	93.91251	40.06683	115.0705	13.41607	6.60436	16.43864	3.63E-11	5.85E-09	1.51E-09	1.12E-14	3.38E-14	2.67E-14	1.39E-15	3.37E-14	1.86E-15	3.69133E-14	3.628E-11	5.8497E-09	1.50888E-09	1.14517E-14	5.63425E-15	5.71593E-15	9.37412E-16
620	571590.6	4178679	0.55, 41786	0.30119	0.30402	0.3057	90.51235	37.8645	108.48539	11.49242	5.95997	13.56067	3.33E-11	5.54E-09	1.29E-09	1.03E-14	3.11E-14	2.45E-14	1.28E-15	3.09E-14	1.71E-15	3.39201E-14	3.334E-11	5.5423E-09	1.28611E-09	1.05231E-14	5.17739E-15	5.25244E-15	8.61399E-16
621	570310.6	4178719	0.55, 41787	0.10285	0.08839	0.09803	86.08959	31.99227	98.88317	10.7612	4.57032	12.3604	9.96E-12	4.87E-09	1.2E-09	3.07E-15	9.28E-15	7.33E-15	3.82E-16	9.24E-15	5.1E-16	1.01298E-14	9.957E-12	4.8665E-09	1.20012E-09	3.14259E-15	1.54616E-15	1.56857E-15	2.57245E-16
622	570350.6	4178719	0.55, 41787	0.11563	0.10049	0.11012	90.6137	34.18211	105.82439	11.32671	4.88316	13.22805	1.13E-11	5.19E-09	1.27E-09	3.48E-15	1.05E-14	8.31E-15	4.34E-16	1.05E-14	5.78E-16	1.14868E-14	1.129E-11	5.1883E-09	1.26588E-09	3.56358E-15	1.75328E-15	1.7787E-15	2.91706E-16
623	570390.6	4178719	0.55, 41787	0.13114	0.11521	0.12472	102.01088	38.97546	110.90458	12.75136	5.08393	13.86307	1.29E-11	5.78E-09	1.41E-09	3.98E-15	1.2E-14	9.5E-15	4.96E-16	1.2E-14	6.61E-16	1.31359E-14	1.291E-11	5.7827E-09	1.41243E-09	4.07519E-15	2.00499E-15	2.03406E-15	3.33585E-16
624	570430.6	4178719	0.55, 41787	0.15	0.13322	0.1425	114.28488	46.41789	135.81295	14.28561	5.80224	16.97662	1.49E-11	6.86E-09	1.6E-09	4.6E-15	1.39E-14	1.1E-14	5.72E-16	1.38E-14	7.63E-16	1.51514E-14	1.489E-11	6.8618E-09	1.60018E-09	4.70046E-15	2.31263E-15	2.34615E-15	3.84768E-16
625	570470.6	4178719	0.55, 41787	0.17288	0.1553	0.16447	122.16306	52.59309	158.80652	15.27038	6.67803	19.85082	1.73E-11	7.76E-09	1.73E-09	5.35E-15	1.61E-14	1.27E-14	6.65E-16	1.61E-14	8.87E-16	1.7622E-14	1.732E-11	7.7632E-09	1.73148E-09	5.46695E-15	2.68974E-15	2.72873E-15	4.47511E-16
626	570510.6	4178719	0.55, 41787	0.1999	0.18201	0.19124	126.87173	56.8638	170.00598	15.85897	8.56143	21.25075	2.03E-11	8.32E-09	1.81E-09	6.25E-15	1.89E-14	1.49E-14	7.78E-16	1.88E-14	1.04E-15	2.06066E-14	2.026E-11	8.3213E-09	1.80603E-09	6.39286E-15	3.14529E-15	3.19088E-15	5.23305E-16
627	570550.6	4178719	0.55, 41787	0.2328	0.21534	0.22528	141.7684	62.68438	190.3461	19.27806	10.36338	23.79326	2.39E-11	9.23E-09	2.17E-09	7.38E-15	2.23E-14	1.76E-14	9.19E-16	2.22E-14	1.22E-15	2.43307E-14	2.392E-11	9.2281E-09	2.17028E-09	7.5482E-15	3.71371E-15	3.76755E-15	6.17878E-16
628	570590.6	4178719	0.55, 41787	0.2704	0.25529	0.2651	152.6333	65.86327	220.26265	21.80476	11.76563	29.62209	2.83E-11	9.98E-09	2.49E-09	8.72E-15	2.63E-14	2.08E-14	1.09E-15	2.62E-14	1.45E-15	2.87638E-14	2.827E-11	9.982E-09	2.48812E-09	8.92348E-15	4.39035E-15	4.454E-15	7.30455E-16
629	570630.6	4178719	0.55, 41787	0.31352	0.30328	0.30884	160.25221	70.5161	243.59554	22.89317	12.52474	34.32359	3.34E-11	1.08E-08	2.65E-09	1.03E-14	3.12E-14	2.46E-14	1.28E-15	3.1E-14	1.71E-15	3.40172E-14	3.344E-11	1.0752E-08	2.65203E-09	1.05533E-14	5.1922E-15	5.26747E-15	8.63865E-16
630	570670.6	4178719	0.55, 41787	0.36149	0.3594	0.35242	159.13882	79.23774	228.99362	22.73412	14.05012	31.24302	3.94E-11	1.13E-08	2.6E-09	1.21E-14	3.67E-14	2.9E-14	1.51E-15	3.65E-14	2.02E-15	4.00411E-14	3.936E-11	1.1324E-08	2.59859E-09	1.24221E-14	6.11166E-15	6.20025E-15	1.01684E-15
631	570710.6	4178719	0.55, 41787	0.41184	0.42167	0.39325	168.39934	82.78202	268.08178	23.84947	15.22445	37.49142	4.58E-11	1.22E-08	2.78E-09	1.41E-14	4.27E-14	3.37E-14	1.76E-15	4.25E-14	2.35E-15	4.66019E-14	4.581E-11	1.2207E-08	2.78417E-09	1.44575E-14	7.11307E-15	7.21618E-15	1.18345E-15
632	570750.6	4178719	0.55, 41787	0.46631	0.48852	0.43046	193.26616	81.97611	266.60906	24.83922	16.78199	33.32613	5.27E-11	1.24E-08	2.83E-09	1.62E-14	4.91E-14	3.88E-14	2.02E-15	4.88E-14	2.7E-15	5.35665E-14	5.265E-11	1.2364E-08	2.82923E-09	1.66181E-14	8.17611E-15	8.29463E-15	1.36032E-15
633	570790.6	4178719	0.55, 41787	0.5297	0.5627	0.45402	208.56721	92.88706	267.98327	26.09236	23.00092	33.50993	6.01E-11	1.35E-08	2.95E-09	1.85E-14	5.6E-14	4.42E-14	2.31E-15	5.57E-14	3.08E-15	6.11021E-14	6.006E-11	1.3486E-08	2.95352E-09	1.89559E-14	9.3263E-15	9.4615E-15	1.55169E-15
634	570830.6	4178719	0.55, 41787	0.58417	0.63922	0.49731	206.25232	102.59816	258.13483	28.9378	25.69667	32.26685	6.78E-11	1.42E-08	3.22E-09	2.09E-14	6.32E-14	4.99E-14	2.61E-15	6.29E-14	3.47E-15	6.90038E-14	6.783E-11	1.4192E-08	3.21527E-09	2.14073E-14	1.05324E-14	1.06851E-14	1.75235E-15
635	570870.6	4178719	0.55, 41787	0.63384	0.71183	0.60618	208.40577	136.85909	408.7133	28.70976	24.7437	51.08916	7.6E-11	1.91E-08	3.42E-09	2.35E-14	7.08E-14	5.59E-14	2.92E-15	7.05E-14	3.89E-15	7.73313E-14	7.601E-11	1.9067E-08	3.42495E-09	2.39907E-14	1.18034E-14	1.19745E-14	1.96383E-15
636	570910.6	4178719	0.55, 41787	0.68401	0.75343	0.58123	211.07044	124.31957	366.90455	30.70854	25.49482	45.86307	7.98E-11	1.75E-08	3.56E-09	2.46E-14	7.44E-14	5.88E-14	3.07E-15	7.41E-14	4.09E-15	8.12255E-14	7.984E-11	1.748E-08	3.55519E-09	2.51989E-14	1.23978E-14	1.25776E-14	2.06272E-15
637	570950.6	4178719	0.55, 41787	0.69007	0.76497	0.57081	207.10313	108.18225	376.87466	30.79195	24.65468	47.10933	8.08E-11	1.62E-08	3.58E-09	2.49E-14	7.53E-14	5.95E-14	3.1E-15	7.49E-14	4.14E-15	8.21832E-14	8.078E-11	1.6152E-08	3.57867E-09	2.5496E-14	1.2544E-14	1.27258E-14	2.08704E-15
638	570990.6	4178719	0.55, 41787	0.68048	0.74999	0.58632	206.58356	95.47159	294.44278	32.17827	21.60129	36.80535	7.96E-11	1.4E-08	3.59E-09	2.46E-14	7.41E-14	5.86E-14	3.06E-15	7.38E-14	4.07E-15	8.09476E-14	7.957E-11	1.4019E-08	3.58672E-09	2.51127E-14	1.23554E-14	1.25345E-14	2.05566E-15
639	571030.6	4178719	0.55, 41787	0.66194	0.72353	0.59736	210.3532	86.11281	328.15995	30.372	18.42489	51.15716	7.72E-11	1.37E-08	3.59E-09	2.38E-14	7.19E-14	5.68E-14	2.97E-15	7.16E-14	3.95E-15	7.85442E-14	7.72E-11	1.3652E-08	3.58764E-09	2.4367E-14	1.19886E-14	1.21624E-14	1.99463E-15
640	571070.6	4178719	0.55, 41787	0.64029	0.68839	0.56269	181.70859	76.31707	252.84162	22.73215	15.52213	31.6052	7.35E-11	1.16E-08	2.6E-09	2.27E-14	6.85E-14	5.41E-14	2.82E-15	6.82E-14	3.76E-15	7.47639E-14	7.349E-11	1.1585E-08	2.60286E-09	2.31942E-14	1.14116E-14	1.1577E-14	1.89863E-15
641	571110.6	4178719	0.55, 41787	0.60626	0.64543	0.53034	207.95149	70.27092	268.27126	26.16426	14.32632	33.53391	6.9E-11	1.15E-08	2.96E-09	2.13E-14	6.43E-14	5.08E-14	2.65E-15	6.4E-14	3.53E-15	7.01922E-14	6.9E-11	1.1504E-08	2.96081E-09	2.1776E-14	1.07138E-14	1.08691E-14	1.78253E-15
642	571150.6	4178719	0.55, 41787	0.57256	0.60327	0.52806	200.64391	66.12781	289.68563	25.68735	14.52342	36.23202	6.49E-11	1.13E-08	2.95E-09	2E-14	6.05E-14	4.78E-14	2.49E-15	6.03E-14	3.33E-15	6.6072E-14	6.495E-11	1.1334E-08	2.94761E-09	2.04977E-14	1.00849E-14	1.02311E-14	1.6779E-15
643	571190.6	4178719	0.55, 41787	0.53842	0.56251	0.50995	154.3512	63.9477	213.38711	22.19645	14.00077	30.48387	6.08E-11	9.75E-09	2.54E-09	1.88E-14	5.67E-14	4.48E-14	2.34E-15	5.64E-14	3.11E-15	6.18736E-14	6.082E-11	9.7465E-09	2.53688E-09	1.91952E-14	9.44406E-15	9.58096E-15	1.57128E-15
644	571230.6	4178719	0.55, 41787	0.49735	0.52247	0.4676	159.72675	60.41971	199.28282	22.34048	12.75874	27.30767	5.64E-11	9.32E-09	2.51E-09	1.74E-14	5.25E-14	4.15E-14	2.17E-15	5.23E-14	2.89E-15	5.7366E-14	5.639E-11	9.317E-09	2.51178E-09	1.77968E-14	8.75605E-15	8.88297E-15	1.45681E-15
645	571270.6	4178719	0.55, 41787	0.45612	0.4836	0.42898	144.14128	55.22387	195.55309	20.17616	11.51496	26.9261	5.21E-11	8.66E-09	2.3E-09	1.61E-14	4.85E-14	3.83E-14	2E-15	4.83E-14	2.67E-15	5.30077E-14	5.21E-11	8.6627E-09	2.29633E-09	1.64448E-14	8.09082E-15	8.20811E-15	1.34613E-15
646	571310.6	4178719	0.55, 41787	0.42006	0.44717	0.39945	118.44349	52.26024	154.81704	17.97136	10.56882	25.80284	4.82E-11	7.65E-09	2.07E-09	1.49E-14	4.49E-14	3.55E-14	1.85E-15	4.47E-14	2.47E-15	4.90325E-14	4.82E-11	7.6482E-09	2.0678E-09	1.52115E-14	7.48406E-15	7.59255E-15	1.24518E-15
647	571350.6	4178719	0.55, 41787	0.38785	0.41385	0.37184	109.17018	50.24459	147.83356	14.07795	10.0186	18.4792	4.46E-11	7.29E-09	1.6E-09	1.38E-14	4.16E-14	3.28E-14	1.71E-15	4.14E-14	2.29E-15	4.53968E-14	4.462E-11	7.2944E-09	1.59847E-09	1.40836E-14	6.92913E-15	7.02957E-15	1.15285E-15
648	571390.6	4178719	0.55, 41787	0.35875	0.38356	0.34391	87.70597	48.80309	113.13015	10.96325	9.64341	14.14127	4.13E-11	6.53E-09	1.24E-09	1.28E-14	3.85E-14	3.04E-14	1.59E-15	3.84E-14	2.12E-15	4.20581E-14	4.134E-11	6.5292E-09	1.24174E-09	1.30478E-14	6.41952E-15	6.51258E-15	1.06806E-15
649	571430.6	4178719	0.55, 41787	0.33385	0.35563	0.32061	80.9107	47.09106	69.47289	11.59229	8.99084	10.76512	3.84E-11	5.77E-09	1.26E-09	1.18E-14	3.57E-14	2.82E-14	1.47E-15	3.56E-14	1.96E-15	3.90296E-14	3.836E-11	5.7746E-09	1.2614E-09	1.21083E-14	5.95727E-15	6.04363E-15	9.91155E-16
650	571470.6	4178719	0.55, 41787	0.31507	0.33052	0.30587	111.40642	45.19171	126.48359	15.57659	8.16367	17.53078	3.58E-11	6.61E-09	1.73E-09	1.1E-14	3.34E-14	2.63E-14	1.37E-15	3.32E-14	1.83E-15	3.64208E-14	3.58E-11	6.6112E-09	1.73271E-09	1.1299E-14	5.55909E-15	5.63967E-15	9.24906E-16
651	571510.6	4178719	0.55, 41787	0.29891	0.30701	0.29518	116.70467	43.07153	146.87884	15.95519	7.46065	19.6972	3.35E-11	6.73E-09	1.8E-09	1.03E-14	3.12E-14	2.46E-14	1.28E-15	3.1E-14	1.71E-15	3.40316E-14	3.345E-11	6.7291E-09	1.79627E-09	1.05577E-14	5.19441E-15	5.2697E-15	8.64231E-16
652	571550.6	4178719	0.55, 41787	0.28299	0.28542	0.28355	93.20798	40.2806	109.70993	12.81909	6.80365	14.78577	3.13E-11	5.8E-09	1.43E-09	9.65E-15	2.91E-14	2.3E-14	1.2E-15	2.9E-14	1.6E-15	3.18039E-14	3.126E-11	5.7954E-09	1.43039E-09	9.86664E-15	4.85438E-15	4.92475E-15	8.07659E-16
653	571590.6	4178719	0.55, 41787	0.2649	0.26495	0.26753	84.18961	37.57199	100.50298	12.02709	5.93847	14.35757	2.91E-11	5.36E-09	1.35E-09	8.98E-15	2.71E-14	2.14E-14	1.12E-15	2.7E-14	1.49E-15	2.95992E-14	2.909E-11	5.3561E-09	1.34799E-09	9.18265E-15	4.51787E-15	4.58336E-15	7.5167E-16
654	570310.6	4178759	0.55, 41787	0.10291	0.08971	0.0989	86.89901	32.22927	93.76167	10.86238	4.40505	11.72021	1.01E-11	4.83E-09	1.2E-09	3.11E-15	9.4E-15	7.42E-15	3.87E-16	9.36E-15	5.16E-16	1.02588E-14	1.008E-11	4.8321E-09	1.20209E-09	3.18262E-15	1.56585E-15	1.58855E-15	2.60522E-16
655	570350.6	4178759	0.55, 41787	0.11544	0.10167	0.11074	97.89636	38.6449	111.66772	12.23704	4.83061	13.95846	1.14E-11	5.72E-09	1.36E-09	3.52E-15	1.06E-14	8.39E-15	4.38E-16	1.06E-14	5.84E-16	1.15977E-14	1.14E-11	5.7226E-09	1.36352E-09	3.59799E-15	1.77021E-15	1.79587E-15	2.94523E-16
656	570390.6	4178759	0.55, 41787	0.13027	0.11595	0.12485	105.67733	44.34348	129.76492	13.20967	5.54293	16.22061	1.3E-11	6.52E-09	1.49E-09	4E-15	1.21E-14	9.55E-15	4.98E-16	1.2E-14	6.64E-16	1.31947E-14	1.297E-11	6.521E-09	1.4861E-09	4.09343E-15	2.01397E-15	2.04316E-15	3.35078E-16
657	570430.6	4178759	0.55, 41787	0.14773	0.133	0.14184	109.21499	48.49986	141.11126	13.65187	6.24447	17.63891	1.48E-11	7.06E-09	1.55E-09	4.58E-15	1.38E-14	1.09E-14	5.7E-16	1.38E-14	7.6E-16	1.51007E-14	1.484E-11	7.0594E-09	1.54663E-09	4.68475E-15	2.3049E-15	2.33831E-15	3.83483E-16
658	570470.6	4178759	0.55, 41787	0.16767	0.15301	0.16202	117.79795	52.53636	140.35154	14.72474	7.71399	17.54394	1.7E-11	7.49E-09	1.65E-09	5.26E-15	1.59E-14	1.25E-14	6.54E-16	1.58E-14	8.73E-16	1.73352E-14	1.704E-11	7.4878E-09	1.64993E-09	5.37796E-15	2.64596E-15	2.68431E-15	4.40227E-16
659	570510.6	4178759	0.55, 41787	0.191	0.17712	0.1864	128.29828	56.17436	171.94141	17.6792	9.03197	21.49268	1.97E-11	8.3E-09	1.99E-09	6.07E-15	1.83E-14	1.45E-14	7.56E-16	1.83E-14	1.01E-15	2.00213E-14	1.968E-11	8.2989E-09	1.98626E-09	6.21129E-15	3.05595E-15	3.10025E-15	5.08442E-16
660	570550.6	4178759	0.55, 41787	0.21672	0.20498	0.21341	137.63049	58.52483	184.29573	19.6615	9.95092	26.17497	2.27E-11	8.75E-09	2.24E-09	7.01E-15	2.12E-14	1.67E-14	8.72E-16	2.11E-14	1.16E-15	2.30983E-14	2.27E-11	8.7488E-09	2.23696E-09	7.16586E-15	3.5256E-15	3.57671E-15	5.86581E-16
661	570590.6	4178759	0.55, 41787	0.24504	0.23724	0.24166	142.23889	62.68425	205.21483	20.31984	10.25836	28.57469	2.62E-11	9.42E-09	2.33E-09	8.07E-15	2.44E-14	1.92E-14	1E-15	2.43E-14	1.34E-15	2.66086E-14	2.615E-11	9.4159E-09	2.33063E-09	8.25488E-15	4.0614E-15	4.12028E-15	6.75725E-16
662	570630.6	4178759	0.55, 41787	0.27554	0.27375	0.26892	139.19636	70.02218	188.40794	19.61007	11.07526	25.7042	3E-11	9.82E-09	2.23E-09	9.25E-15	2.79E-14	2.21E-14	1.15E-15	2.78E-14	1.54E-15	3.05068E-14	2.999E-11	9.8211E-09	2.22615E-09	9.46423E-15	4.6564E-15	4.7239E-15	7.74719E-16
663	570670.6	4178759	0.55, 41787	0.30614	0.31293	0.29402	149.31547	72.47289	221.2081	21.10931	12.07881	31.37185	3.4E-11	1.05E-08	2.44E-09	1.05E-14	3.17E-14	2.5E-14	1.31E-15	3.16E-14	1.74E-15	3.46166E-14	3.403E-11	1.0539E-08	2.44196E-09	1.07392E-14	5.2837E-15	5.3603E-15	8.79089E-16
664	570710.6	4178759	0.55, 41787	0.33494	0.35231	0.31792	164.794	71.08708	213.69891	21.55176	13.08376	26.71236	3.81E-11	1.05E-08	2.43E-09	1.17E-14	3.55E-14	2.8E-14	1.46E-15	3.53E-14	1.95E-15	3.87112E-14	3.805E-11	1.0478E-08	2.42764E-09	1.20095E-14	5.90868E-15	5.99433E-15	9.8307E-16
665	570750.6	4178759	0.55, 41787	0.36674	0.3924	0.33661	179.38877	78.60477	216.64393	22.4236	16.36841	27.08049	4.21E-11	1.13E-08	2.52E-09	1.3E-14	3.92E-14	3.1E-14	1.62E-15	3.91E-14	2.16E-15	4.28338E-14	4.21E-11	1.1316E-08	2.51707E-09	1.32885E-14	6.53792E-15	6.63269E-15	1.08776E-15
666	570790.6	4178759	0.55, 41787	0.40357	0.43625	0.34677	166.36606	82.34558	242.62848	21.7564	19.87746	30.35713	4.64E-11	1.18E-08	2.49E-09	1.43E-14	4.33E-14	3.42E-14	1.78E-15	4.31E-14	2.38E-15	4.72346E-14	4.643E-11	1.1835E-08	2.49247E-09	1.46538E-14	7.20965E-15	7.31416E-15	1.19952E-15
667	570830.6	4178759	0.55, 41787	0.43354	0.48203	0.39259	188.6599	98.62945	246.30784	24.95504	19.43466	30.78848	5.13E-11	1.35E-08	2.81E-09	1.58E-14	4.78E-14	3.78E-14	1.97E-15	4.76E-14	2.63E-15	5.21855E-14	5.13E-11	1.3525E-08	2.80925E-09	1.61897E-14	7.96532E-15	8.08078E-15	1.32525E-15
668	570870.6	4178759	0.55, 41787	0.46387	0.52331	0.45582	172.12292	120.25167	329.63715	21.51536	18.67269	41.20464	5.6E-11	1.63E-08	2.6E-09	1.73E-14	5.22E-14	4.12E-14	2.15E-15	5.19E-14	2.87E-15	5.69574E-14	5.599E-11	1.6281E-08	2.60263E-09	1.76701E-14	8.69369E-15	8.81971E-15	1.44643E-15
669	570910.6	4178759	0.55, 41787	0.49085	0.54778	0.42691	176.15826	108.72169	296.15879	23.43896	19.655	37.01985	5.8E-11	1.49E-08	2.74E-09	1.79E-14	5.41E-14	4.27E-14	2.23E-15	5.38E-14	2.97E-15	5.90444E-14	5.804E-11	1.49E-08	2.73839E-09	1.83175E-14	9.01222E-15	9.14286E-15	1.49943E-15
670	570950.6	4178759	0.55, 41787	0.48762	0.55475	0.41816	180.46301	97.04885	324.78811	24.36206	20.46933	40.59851	5.85E-11	1.43E-08	2.87E-09	1.81E-14	5.45E-14	4.31E-14	2.25E-15	5.43E-14	3E-15	5.95229E-14	5.851E-11	1.4273E-08	2.87236E-09	1.8466E-14	9.08527E-15	9.21696E-15	1.51158E-15
671	570990.6	4178759	0.55, 41787	0.49051	0.55159	0.43765	151.23194	87.28492	222.11928	25.20532	17.38113	28.62893	5.85E-11	1.19E-08	2.81E-09	1.81E-14	5.45E-14	4.31E-14	2.25E-15	5.43E-14	3E-15	5.95148E-14	5.85E-11	1.1866E-08	2.80701E-09	1.84635E-14	9.08403E-15	9.21571E-15	1.51138E-15
672	571030.6	4178759	0.55, 41787	0.48428	0.53663	0.45626	187.58168	78.86438	272.43541	28.06386	15.68835	45.4059	5.74E-11	1.21E-08	3.29E-09	1.77E-14	5.34E-14	4.22E-14	2.2E-15	5.32E-14	2.94E-15	5.83536E-14	5.736E-11	1.2107E-08	3.29204E-09	1.81032E-14	8.90679E-15	9.0359E-15	1.48189E-15
673	571070.6	4178759	0.55, 41787	0.467	0.51625	0.43604	163.79974	72.83551	258.94072	22.54296	13.46245	32.36759	5.52E-11	1.12E-08	2.59E-09	1.7E-14	5.14E-14	4.06E-14	2.12E-15	5.12E-14	2.82E-15	5.61123E-14	5.516E-11	1.1179E-08	2.59383E-09	1.74079E-14	8.5647E-15	8.68885E-15	1.42497E-15
674	571110.6	4178759	0.55, 41787	0.44755	0.4933	0.39624	157.0432	65.36033	149.25903	19.63651	11.35189	22.10234	5.25E-11	9.11E-09	2.18E-09	1.62E-14	4.89E-14	3.86E-14	2.02E-15	4.87E-14	2.69E-15	5.33751E-14	5.246E-11	9.1067E-09	2.18436E-09	1.65587E-14	8.1469E-15	8.265E-15	1.35546E-15
675	571150.6	4178759	0.55, 41787	0.4302	0.46818	0.38775	183.98767	62.14189	232.46693	23.05685	11.54043	29.05837	5E-11	1.01E-08	2.6E-09	1.54E-14	4.66E-14	3.68E-14	1.92E-15	4.64E-14	2.56E-15	5.08582E-14	4.999E-11	1.0116E-08	2.6031E-09	1.57779E-14	7.76273E-15	7.87525E-15	1.29154E-15
676	571190.6	4178759	0.55, 41787	0.41561	0.44245	0.39452	166.33485	59.4631	232.20811	21.02615	11.70076	29.03347	4.77E-11	9.7E-09	2.41E-09	1.47E-14	4.44E-14	3.51E-14	1.83E-15	4.42E-14	2.44E-15	4.85058E-14	4.768E-11	9.704E-09	2.40506E-09	1.50481E-14	7.40368E-15	7.511E-15	1.2318E-15
677	571230.6	4178759	0.55, 41787	0.39577	0.41616	0.38297	133.04594	57.55284	174.38403	19.00656	11.25795	24.912	4.5E-11	8.5E-09	2.16E-09	1.39E-14	4.2E-14	3.31E-14	1.73E-15	4.18E-14	2.31E-15	4.58214E-14	4.504E-11	8.4964E-09	2.15763E-09	1.42153E-14	6.99393E-15	7.09532E-15	1.16363E-15
678	571270.6	4178759	0.55, 41787	0.36933	0.38979	0.3568	133.93343	52.76944	163.09994	18.49966	10.32502	20.38749	4.21E-11	7.95E-09	2.05E-09	1.3E-14	3.93E-14	3.1E-14	1.62E-15	3.91E-14	2.16E-15	4.28804E-14	4.215E-11	7.9475E-09	2.05253E-09	1.33029E-14	6.54504E-15	6.63991E-15	1.08895E-15
679	571310.6	4178759	0.55, 41787	0.3411	0.36413	0.32902	131.1619	50.25063	168.23883	18.11843	9.56125	22.87944	3.93E-11	7.76E-09	2.05E-09	1.21E-14	3.66E-14	2.89E-14	1.51E-15	3.64E-14	2.01E-15	3.99645E-14	3.928E-11	7.7631E-09	2.04611E-09	1.23983E-14	6.09997E-15	6.1884E-15	1.0149E-15
680	571350.6	4178759	0.55, 41787	0.31543	0.34037	0.30452	103.20737	47.94128	136.71003	14.62528	9.08266	18.8743	3.66E-11	6.9E-09	1.66E-09	1.13E-14	3.41E-14	2.7E-14	1.41E-15	3.4E-14	1.88E-15	3.72845E-14	3.665E-11	6.897E-09	1.65663E-09	1.15669E-14	5.69092E-15	5.77341E-15	9.4684E-16
681	571390.6	4178759	0.55, 41787	0.29206	0.31801	0.28181	95.20975	46.26011	128.00267	11.90122	8.7596	16.00033	3.42E-11	6.56E-09	1.36E-09	1.05E-14	3.18E-14	2.52E-14	1.31E-15	3.17E-14	1.75E-15	3.47747E-14	3.418E-11	6.5638E-09	1.35597E-09	1.07883E-14	5.30784E-15	5.38478E-15	8.83104E-16
682	571430.6	4178759	0.55, 41787	0.27184	0.29676	0.26169	65.82255	44.97926	77.28464	8.48847	8.42183	11.06277	3.19E-11	5.54E-09	9.63E-10	9.84E-15	2.97E-14	2.35E-14	1.22E-15	2.96E-14	1.63E-15	3.24278E-14	3.187E-11	5.5373E-09	9.62836E-10	1.00602E-14	4.94961E-15	5.02136E-15	8.23504E-16
683	571470.6	4178759	0.55, 41787	0.25781	0.27877	0.24855	74.19853	43.62462	66.74746	10.92817	7.8818	10.16339	3E-11	5.37E-09	1.19E-09	9.26E-15	2.8E-14	2.21E-14	1.15E-15	2.78E-14	1.54E-15	3.05207E-14	3E-11	5.3715E-09	1.18932E-09	9.46854E-15	4.65852E-15	4.72605E-15	7.75072E-16
684	571510.6	4178759	0.55, 41787	0.24715	0.26193	0.24035	102.14842	42.0514	116.58455	14.2101	7.23025	16.16505	2.83E-11	6.12E-09	1.58E-09	8.74E-15	2.64E-14	2.08E-14	1.09E-15	2.63E-14	1.45E-15	2.88117E-14	2.832E-11	6.1232E-09	1.58283E-09	8.93834E-15	4.39766E-15	4.46141E-15	7.31672E-16
685	571550.6	4178759	0.55, 41787	0.23772	0.24585	0.23427	104.82233	40.15762	128.89855	14.31586	6.66643	17.41071	2.67E-11	6.14E-09	1.61E-09	8.25E-15	2.49E-14	1.97E-14	1.03E-15	2.48E-14	1.37E-15	2.72092E-14	2.675E-11	6.1355E-09	1.60847E-09	8.44121E-15	4.15307E-15	4.21328E-15	6.90977E-16
686	571590.6	4178759	0.55, 41787	0.22808	0.23097	0.22747	83.60184	37.747	96.99907	11.46846	6.12919	13.15855	2.53E-11	5.32E-09	1.28E-09	7.8E-15	2.35E-14	1.86E-14	9.7E-16	2.34E-14	1.29E-15	2.57025E-14	2.526E-11	5.3224E-09	1.27883E-09	7.97377E-15	3.92309E-15	3.97996E-15	6.52714E-16
687	570310.6	4178799	0.55, 41787	0.10253	0.09048	0.09887	92.22772	37.68456	108.42661	11.52846	4.71057	13.55333	1.01E-11	5.54E-09	1.29E-09	3.13E-15	9.45E-15	7.47E-15	3.9E-16	9.41E-15	5.2E-16	1.03232E-14	1.015E-11	5.5428E-09	1.28953E-09	3.20259E-15	1.57568E-15	1.59852E-15	2.62157E-16
688	570350.6	4178799	0.55, 41787	0.11434	0.10195	0.11024	96.42289	41.82094	119.06345	12.05286	5.22762	14.88293	1.14E-11	6.08E-09	1.36E-09	3.52E-15	1.06E-14	8.4E-15	4.38E-16	1.06E-14	5.84E-16	1.16053E-14	1.141E-11	6.0771E-09	1.35697E-09	3.60036E-15	1.77138E-15	1.79706E-15	2.94717E-16
689	570390.6	4178799	0.55, 41787	0.12785	0.11532	0.12365	96.70849	44.28794	121.57528	12.08856	5.83168	15.19691	1.29E-11	6.33E-09	1.36E-09	3.97E-15	1.2E-14	9.48E-15	4.95E-16	1.19E-14	6.59E-16	1.30993E-14	1.288E-11	6.3268E-09	1.36432E-09	4.06383E-15	1.99941E-15	2.02839E-15	3.32656E-16
690	570430.6	4178799	0.55, 41787	0.14288	0.13064	0.13911	109.4746	48.39009	132.26529	13.83026	6.97525	16.53316	1.46E-11	6.94E-09	1.55E-09	4.49E-15	1.36E-14	1.07E-14	5.59E-16	1.35E-14	7.45E-16	1.48078E-14	1.456E-11	6.9433E-09	1.55037E-09	4.59387E-15	2.26018E-15	2.29294E-15	3.76043E-16
691	570470.6	4178799	0.55, 41787	0.15993	0.14857	0.15692	116.3647	50.80214	153.38833	16.31235	7.92735	19.17295	1.65E-11	7.48E-09	1.82E-09	5.1E-15	1.54E-14	1.22E-14	6.34E-16	1.53E-14	8.46E-16	1.67984E-14	1.651E-11	7.4825E-09	1.82458E-09	5.21141E-15	2.56401E-15	2.60118E-15	4.26594E-16
692	570510.6	4178799	0.55, 41787	0.17816	0.16871	0.17591	124.77861	52.11481	162.22151	17.82552	8.49382	23.1745	1.87E-11	7.79E-09	2.02E-09	5.77E-15	1.74E-14	1.38E-14	7.18E-16	1.73E-14	9.57E-16	1.90123E-14	1.869E-11	7.7892E-09	2.02122E-09	5.89826E-15	2.90195E-15	2.94401E-15	4.82818E-16
693	570550.6	4178799	0.55, 41787	0.19752	0.19131	0.19507	126.89522	56.18657	175.78093	18.12789	8.51005	24.21863	2.11E-11	8.33E-09	2.06E-09	6.51E-15	1.97E-14	1.55E-14	8.1E-16	1.96E-14	1.08E-15	2.14588E-14	2.109E-11	8.3334E-09	2.06353E-09	6.65724E-15	3.27536E-15	3.32284E-15	5.44946E-16
694	570590.6	4178799	0.55, 41787	0.21773	0.21627	0.21308	122.68072	62.5324	158.46837	17.14296	9.80776	21.67538	2.37E-11	8.63E-09	1.94E-09	7.31E-15	2.21E-14	1.74E-14	9.1E-16	2.2E-14	1.21E-15	2.41095E-14	2.37E-11	8.634E-09	1.93629E-09	7.47958E-15	3.67995E-15	3.7333E-15	6.1226E-16
695	570630.6	4178799	0.55, 41787	0.23771	0.24268	0.22932	133.9153	64.36556	188.20796	18.95021	10.72759	26.70167	2.64E-11	9.27E-09	2.17E-09	8.15E-15	2.46E-14	1.94E-14	1.01E-15	2.45E-14	1.35E-15	2.68648E-14	2.641E-11	9.2715E-09	2.17419E-09	8.33437E-15	4.10051E-15	4.15995E-15	6.82232E-16
696	570670.6	4178799	0.55, 41787	0.25595	0.26895	0.24514	141.94782	63.09907	182.20008	19.13844	10.57117	23.96944	2.91E-11	9.17E-09	2.16E-09	8.97E-15	2.71E-14	2.14E-14	1.12E-15	2.7E-14	1.49E-15	2.9585E-14	2.908E-11	9.1658E-09	2.15886E-09	9.17825E-15	4.5157E-15	4.58116E-15	7.5131E-16
697	570710.6	4178799	0.55, 41787	0.27273	0.29382	0.2595	157.12572	66.69563	192.86918	19.64072	11.93189	24.10865	3.16E-11	9.76E-09	2.21E-09	9.75E-15	2.94E-14	2.33E-14	1.21E-15	2.93E-14	1.62E-15	3.21475E-14	3.16E-11	9.7616E-09	2.20948E-09	9.97324E-15	4.90683E-15	4.97796E-15	8.16386E-16
698	570750.6	4178799	0.55, 41787	0.29355	0.31916	0.26739	152.65771	72.44297	180.42039	19.08221	15.18472	22.55534	3.41E-11	1.01E-08	2.14E-09	1.05E-14	3.18E-14	2.51E-14	1.31E-15	3.17E-14	1.75E-15	3.47114E-14	3.412E-11	1.0067E-08	2.13596E-09	1.07686E-14	5.29816E-15	5.37496E-15	8.81494E-16
699	570790.6	4178799	0.55, 41787	0.31688	0.34759	0.27611	157.73005	72.26845	195.86787	20.13646	16.34526	24.48348	3.69E-11	1.03E-08	2.26E-09	1.14E-14	3.44E-14	2.72E-14	1.42E-15	3.43E-14	1.89E-15	3.75859E-14	3.694E-11	1.0292E-08	2.26237E-09	1.16604E-14	5.73691E-15	5.82007E-15	9.54492E-16
700	570830.6	4178799	0.55, 41787	0.33524	0.37796	0.31984	162.23746	94.66133	234.71664	21.09567	14.73083	29.33958	4.03E-11	1.28E-08	2.42E-09	1.24E-14	3.76E-14	2.97E-14	1.55E-15	3.74E-14	2.06E-15	4.10221E-14	4.032E-11	1.2775E-08	2.4156E-09	1.27264E-14	6.26139E-15	6.35216E-15	1.04175E-15
701	570870.6	4178799	0.55, 41787	0.35595	0.40358	0.35265	158.80625	107.46352	263.60655	19.85078	16.70272	32.95082	4.32E-11	1.42E-08	2.34E-09	1.33E-14	4.02E-14	3.18E-14	1.66E-15	4.01E-14	2.21E-15	4.3922E-14	4.317E-11	1.4218E-08	2.33887E-09	1.36261E-14	6.70403E-15	6.80121E-15	1.1154E-15
702	570910.6	4178799	0.55, 41787	0.3676	0.41723	0.32417	150.41188	96.98395	247.06251	18.80149	15.72408	30.88281	4.41E-11	1.3E-08	2.21E-09	1.36E-14	4.11E-14	3.25E-14	1.69E-15	4.09E-14	2.26E-15	4.48972E-14	4.413E-11	1.3014E-08	2.21122E-09	1.39286E-14	6.85288E-15	6.95222E-15	1.14016E-15
703	570950.6	4178799	0.55, 41787	0.34637	0.40141	0.30552	159.46188	87.41269	275.63404	19.93273	16.48069	34.45425	4.23E-11	1.26E-08	2.37E-09	1.31E-14	3.94E-14	3.11E-14	1.62E-15	3.93E-14	2.17E-15	4.30421E-14	4.231E-11	1.2617E-08	2.36537E-09	1.33531E-14	6.56972E-15	6.66495E-15	1.09305E-15
704	570990.6	4178799	0.55, 41787	0.35579	0.40756	0.32647	119.48057	79.68844	146.33228	17.5796	14.60553	25.33485	4.32E-11	9.95E-09	2.02E-09	1.33E-14	4.02E-14	3.18E-14	1.66E-15	4.01E-14	2.21E-15	4.39467E-14	4.32E-11	9.9544E-09	2.02389E-09	1.36337E-14	6.70779E-15	6.80503E-15	1.11602E-15
705	571030.6	4178799	0.55, 41787	0.37225	0.416	0.35619	155.14917	72.93395	196.55996	24.86673	12.948	30.87431	4.45E-11	1.03E-08	2.8E-09	1.37E-14	4.14E-14	3.27E-14	1.71E-15	4.13E-14	2.28E-15	4.52357E-14	4.446E-11	1.0334E-08	2.80171E-09	1.40336E-14	6.90454E-15	7.00462E-15	1.14876E-15
706	571070.6	4178799	0.55, 41787	0.3594	0.40135	0.34666	158.59146	67.81733	220.83512	22.65592	11.74555	33.70367	4.29E-11	1.02E-08	2.62E-09	1.32E-14	4E-14	3.16E-14	1.65E-15	3.98E-14	2.2E-15	4.3683E-14	4.294E-11	1.0219E-08	2.62129E-09	1.35519E-14	6.66755E-15	6.7642E-15	1.10933E-15
707	571110.6	4178799	0.55, 41787	0.34191	0.38638	0.31575	133.9595	62.41991	198.12185	16.74494	10.40332	24.76523	4.11E-11	9.22E-09	1.94E-09	1.27E-14	3.83E-14	3.02E-14	1.58E-15	3.81E-14	2.1E-15	4.17874E-14	4.107E-11	9.2238E-09	1.9356E-09	1.29638E-14	6.37821E-15	6.47066E-15	1.06119E-15
708	571150.6	4178799	0.55, 41787	0.32926	0.37153	0.29721	140.52662	58.47073	122.49716	17.56829	9.74512	16.40698	3.94E-11	8.01E-09	1.91E-09	1.22E-14	3.67E-14	2.9E-14	1.51E-15	3.66E-14	2.02E-15	4.0106E-14	3.942E-11	8.0113E-09	1.9128E-09	1.24422E-14	6.12157E-15	6.2103E-15	1.01849E-15
709	571190.6	4178799	0.55, 41787	0.32393	0.35615	0.30055	162.80337	55.99612	201.90064	20.37225	9.46414	25.23758	3.81E-11	8.99E-09	2.29E-09	1.17E-14	3.55E-14	2.8E-14	1.46E-15	3.53E-14	1.95E-15	3.8725E-14	3.806E-11	8.9924E-09	2.29462E-09	1.20138E-14	5.91078E-15	5.99647E-15	9.8342E-16
710	571230.6	4178799	0.55, 41787	0.31732	0.33876	0.30501	141.0743	54.42569	191.70239	17.72831	9.52966	23.96639	3.65E-11	8.52E-09	2.02E-09	1.13E-14	3.4E-14	2.69E-14	1.4E-15	3.39E-14	1.87E-15	3.71663E-14	3.653E-11	8.5152E-09	2.02151E-09	1.15302E-14	5.67287E-15	5.7551E-15	9.43837E-16
711	571270.6	4178799	0.55, 41787	0.30415	0.32027	0.29829	116.54381	51.24633	144.90939	16.64912	9.13765	20.70134	3.47E-11	7.42E-09	1.88E-09	1.07E-14	3.23E-14	2.55E-14	1.33E-15	3.22E-14	1.78E-15	3.53037E-14	3.47E-11	7.4187E-09	1.87621E-09	1.09524E-14	5.38858E-15	5.46669E-15	8.96537E-16
712	571310.6	4178799	0.55, 41787	0.28608	0.30211	0.28212	111.77517	48.08718	136.31939	15.28029	8.60329	17.73191	3.27E-11	6.99E-09	1.71E-09	1.01E-14	3.05E-14	2.41E-14	1.26E-15	3.04E-14	1.68E-15	3.3303E-14	3.273E-11	6.9894E-09	1.70634E-09	1.03317E-14	5.0832E-15	5.15688E-15	8.45729E-16
713	571350.6	4178799	0.55, 41787	0.26522	0.28423	0.2608	116.94553	46.1941	139.01017	15.97517	8.23917	19.97796	3.07E-11	6.91E-09	1.8E-09	9.47E-15	2.86E-14	2.26E-14	1.18E-15	2.85E-14	1.57E-15	3.12347E-14	3.07E-11	6.9079E-09	1.80167E-09	9.69004E-15	4.7675E-15	4.83661E-15	7.93203E-16
714	571390.6	4178799	0.55, 41787	0.24309	0.26586	0.23735	101.64822	44.37475	130.479	13.96186	7.97488	17.70328	2.86E-11	6.49E-09	1.58E-09	8.82E-15	2.66E-14	2.1E-14	1.1E-15	2.65E-14	1.46E-15	2.90833E-14	2.859E-11	6.4928E-09	1.5776E-09	9.0226E-15	4.43912E-15	4.50347E-15	7.38569E-16
715	571430.6	4178799	0.55, 41787	0.22645	0.25105	0.21957	78.66707	42.96369	101.00422	10.22882	7.75525	13.14754	2.69E-11	5.78E-09	1.16E-09	8.3E-15	2.51E-14	1.98E-14	1.03E-15	2.5E-14	1.38E-15	2.7375E-14	2.691E-11	5.7797E-09	1.15798E-09	8.49263E-15	4.17837E-15	4.23894E-15	6.95187E-16
716	571470.6	4178799	0.55, 41787	0.21325	0.23694	0.20607	47.64153	41.84289	57.10773	7.70461	7.45296	10.06314	2.54E-11	4.84E-09	8.74E-10	7.83E-15	2.36E-14	1.87E-14	9.75E-16	2.35E-14	1.3E-15	2.58171E-14	2.538E-11	4.8351E-09	8.74194E-10	8.00933E-15	3.94059E-15	3.99771E-15	6.55625E-16
717	571510.6	4178799	0.55, 41787	0.20623	0.22585	0.19985	71.44774	40.73398	67.79843	10.29216	7.00806	9.90291	2.43E-11	5.1E-09	1.12E-09	7.49E-15	2.26E-14	1.79E-14	9.32E-16	2.25E-14	1.24E-15	2.46814E-14	2.426E-11	5.1043E-09	1.12418E-09	7.65698E-15	3.76724E-15	3.82185E-15	6.26783E-16
718	571550.6	4178799	0.55, 41787	0.19818	0.21228	0.19356	94.10249	39.35835	107.36049	13.01678	6.4744	14.79864	2.29E-11	5.69E-09	1.45E-09	7.07E-15	2.14E-14	1.69E-14	8.8E-16	2.13E-14	1.17E-15	2.33136E-14	2.292E-11	5.6946E-09	1.4498E-09	7.23266E-15	3.55847E-15	3.61005E-15	5.92048E-16
719	571590.6	4178799	0.55, 41787	0.19254	0.20073	0.18997	94.76849	37.66806	114.23818	12.95063	6.01952	15.50303	2.18E-11	5.64E-09	1.45E-09	6.73E-15	2.03E-14	1.6E-14	8.37E-16	2.02E-14	1.12E-15	2.21837E-14	2.181E-11	5.6379E-09	1.45203E-09	6.88212E-15	3.386E-15	3.43509E-15	5.63354E-16
720	570310.6	4178839	0.55, 41788	0.10118	0.0904	0.098	86.93136	38.98232	105.93151	10.86642	4.87279	13.24144	1.01E-11	5.57E-09	1.22E-09	3.12E-15	9.43E-15	7.45E-15	3.89E-16	9.39E-15	5.18E-16	1.02916E-14	1.012E-11	5.5734E-09	1.22122E-09	3.1928E-15	1.57086E-15	1.59363E-15	2.61355E-16
721	570350.6	4178839	0.55, 41788	0.1118	0.10104	0.10874	92.10266	41.60712	103.12867	11.51283	5.43734	12.89108	1.13E-11	5.82E-09	1.28E-09	3.48E-15	1.05E-14	8.3E-15	4.33E-16	1.05E-14	5.78E-16	1.148E-14	1.128E-11	5.8195E-09	1.27985E-09	3.56149E-15	1.75225E-15	1.77765E-15	2.91535E-16
722	570390.6	4178839	0.55, 41788	0.12335	0.11299	0.12071	101.58992	44.39945	123.8041	13.097	6.32134	15.47551	1.26E-11	6.41E-09	1.47E-09	3.89E-15	1.17E-14	9.27E-15	4.84E-16	1.17E-14	6.45E-16	1.28099E-14	1.259E-11	6.4121E-09	1.46595E-09	3.97404E-15	1.95523E-15	1.98357E-15	3.25306E-16
723	570430.6	4178839	0.55, 41788	0.13612	0.12663	0.1341	105.75261	46.22171	135.82058	15.10752	6.99394	17.72822	1.41E-11	6.76E-09	1.69E-09	4.34E-15	1.31E-14	1.04E-14	5.41E-16	1.31E-14	7.21E-16	1.43202E-14	1.408E-11	6.7607E-09	1.68947E-09	4.44259E-15	2.18576E-15	2.21744E-15	3.6366E-16
724	570470.6	4178839	0.55, 41788	0.14941	0.1416	0.14777	113.55911	47.52324	144.14907	16.22273	7.30549	20.59272	1.57E-11	7.05E-09	1.83E-09	4.84E-15	1.46E-14	1.15E-14	6.02E-16	1.46E-14	8.03E-16	1.59576E-14	1.569E-11	7.0541E-09	1.83335E-09	4.95059E-15	2.43569E-15	2.471E-15	4.05243E-16
725	570510.6	4178839	0.55, 41788	0.16314	0.158	0.16129	114.44641	50.69094	152.51274	16.21485	7.16417	20.85712	1.74E-11	7.44E-09	1.84E-09	5.38E-15	1.62E-14	1.28E-14	6.69E-16	1.62E-14	8.92E-16	1.77249E-14	1.742E-11	7.4431E-09	1.83584E-09	5.49886E-15	2.70544E-15	2.74466E-15	4.50124E-16
726	570550.6	4178839	0.55, 41788	0.17704	0.17576	0.1737	109.2842	56.30775	135.99936	15.45924	8.75778	18.63755	1.93E-11	7.68E-09	1.73E-09	5.95E-15	1.8E-14	1.42E-14	7.4E-16	1.79E-14	9.87E-16	1.96011E-14	1.927E-11	7.6804E-09	1.73492E-09	6.08092E-15	2.99181E-15	3.03518E-15	4.9777E-16
727	570590.6	4178839	0.55, 41788	0.1907	0.19445	0.18485	121.04262	57.73789	162.59872	17.123	9.62298	23.05827	2.12E-11	8.25E-09	1.95E-09	6.53E-15	1.97E-14	1.56E-14	8.13E-16	1.96E-14	1.08E-15	2.15419E-14	2.117E-11	8.2491E-09	1.95138E-09	6.68302E-15	3.28805E-15	3.33571E-15	5.47056E-16
728	570630.6	4178839	0.55, 41788	0.20316	0.21304	0.19546	125.84874	56.85617	163.76967	17.26057	9.47603	21.8341	2.31E-11	8.23E-09	1.95E-09	7.11E-15	2.15E-14	1.7E-14	8.85E-16	2.14E-14	1.18E-15	2.3455E-14	2.305E-11	8.2337E-09	1.9497E-09	7.27653E-15	3.58005E-15	3.63195E-15	5.95639E-16
729	570670.6	4178839	0.55, 41788	0.21386	0.23043	0.20601	138.80556	56.19819	167.35734	17.35069	9.51337	20.91967	2.48E-11	8.35E-09	1.95E-09	7.66E-15	2.31E-14	1.83E-14	9.53E-16	2.3E-14	1.27E-15	2.52429E-14	2.481E-11	8.3481E-09	1.94721E-09	7.83118E-15	3.85294E-15	3.90879E-15	6.41042E-16
730	570710.6	4178839	0.55, 41788	0.22462	0.24643	0.21368	139.69865	64.11019	158.44625	17.46233	11.64998	19.80578	2.64E-11	8.94E-09	1.94E-09	8.15E-15	2.46E-14	1.94E-14	1.01E-15	2.45E-14	1.35E-15	2.68715E-14	2.641E-11	8.9395E-09	1.94436E-09	8.33642E-15	4.10152E-15	4.16097E-15	6.824E-16
731	570750.6	4178839	0.55, 41788	0.23931	0.26333	0.21642	129.30344	65.03758	176.13066	16.25667	13.35444	22.02002	2.81E-11	9.14E-09	1.85E-09	8.66E-15	2.62E-14	2.07E-14	1.08E-15	2.6E-14	1.44E-15	2.85578E-14	2.807E-11	9.1361E-09	1.85424E-09	8.85958E-15	4.35891E-15	4.4221E-15	7.25225E-16
732	570790.6	4178839	0.55, 41788	0.2546	0.28325	0.22784	148.04332	66.52984	161.44916	18.88746	13.10425	20.18115	3.01E-11	9.27E-09	2.09E-09	9.29E-15	2.81E-14	2.22E-14	1.16E-15	2.79E-14	1.54E-15	3.06278E-14	3.011E-11	9.2705E-09	2.08775E-09	9.50178E-15	4.67487E-15	4.74264E-15	7.77793E-16
733	570830.6	4178839	0.55, 41788	0.26766	0.30497	0.26524	136.3658	90.38201	203.70222	17.19519	14.05196	26.51864	3.26E-11	1.18E-08	2E-09	1.01E-14	3.04E-14	2.4E-14	1.25E-15	3.02E-14	1.67E-15	3.31614E-14	3.26E-11	1.1763E-08	2.00104E-09	1.02878E-14	5.06158E-15	5.13495E-15	8.42133E-16
734	570870.6	4178839	0.55, 41788	0.28248	0.32215	0.27934	145.76117	97.26265	213.43334	18.22015	15.13016	26.67917	3.44E-11	1.26E-08	2.1E-09	1.06E-14	3.21E-14	2.53E-14	1.32E-15	3.19E-14	1.76E-15	3.50163E-14	3.442E-11	1.2578E-08	2.10282E-09	1.08632E-14	5.34471E-15	5.42219E-15	8.89239E-16
735	570910.6	4178839	0.55, 41788	0.28799	0.33135	0.25629	130.6935	87.1686	210.24612	16.33669	13.50967	26.28077	3.5E-11	1.15E-08	1.91E-09	1.08E-14	3.26E-14	2.58E-14	1.34E-15	3.25E-14	1.79E-15	3.56018E-14	3.499E-11	1.1507E-08	1.91452E-09	1.10449E-14	5.43408E-15	5.51285E-15	9.04108E-16
736	570950.6	4178839	0.55, 41788	0.28758	0.33724	0.25781	143.26415	81.64199	232.33178	17.90802	13.93242	29.04147	3.55E-11	1.14E-08	2.1E-09	1.1E-14	3.31E-14	2.61E-14	1.36E-15	3.3E-14	1.82E-15	3.61412E-14	3.552E-11	1.1419E-08	2.10153E-09	1.12122E-14	5.51641E-15	5.59637E-15	9.17805E-16
737	570990.6	4178839	0.55, 41788	0.28844	0.33412	0.27084	115.42228	74.82901	134.90402	15.11344	13.01217	21.06919	3.54E-11	9.35E-09	1.73E-09	1.09E-14	3.3E-14	2.61E-14	1.36E-15	3.29E-14	1.81E-15	3.60353E-14	3.542E-11	9.3483E-09	1.7312E-09	1.11794E-14	5.50025E-15	5.57998E-15	9.15116E-16
738	571030.6	4178839	0.55, 41788	0.29049	0.32848	0.28015	122.60648	67.85889	167.69329	20.43441	11.21527	20.96166	3.51E-11	9.21E-09	2.25E-09	1.08E-14	3.27E-14	2.58E-14	1.35E-15	3.25E-14	1.8E-15	3.56704E-14	3.506E-11	9.2131E-09	2.248E-09	1.10662E-14	5.44455E-15	5.52347E-15	9.05849E-16
739	571070.6	4178839	0.55, 41788	0.28682	0.32211	0.27916	145.80556	62.69899	194.95005	22.09774	10.44682	32.49167	3.45E-11	9.33E-09	2.55E-09	1.06E-14	3.21E-14	2.54E-14	1.32E-15	3.2E-14	1.76E-15	3.5054E-14	3.446E-11	9.3259E-09	2.552E-09	1.08749E-14	5.35047E-15	5.42803E-15	8.90196E-16
740	571110.6	4178839	0.55, 41788	0.272	0.3104	0.2597	131.09883	59.8466	180.45962	17.36249	9.97443	23.15348	3.3E-11	8.75E-09	1.98E-09	1.02E-14	3.08E-14	2.43E-14	1.27E-15	3.07E-14	1.69E-15	3.36189E-14	3.305E-11	8.7528E-09	1.97588E-09	1.04297E-14	5.13142E-15	5.20581E-15	8.53752E-16
741	571150.6	4178839	0.55, 41788	0.26	0.30055	0.24148	99.99815	55.57889	134.60776	12.49977	9.26315	16.82597	3.18E-11	7.51E-09	1.42E-09	9.83E-15	2.97E-14	2.34E-14	1.22E-15	2.95E-14	1.63E-15	3.23933E-14	3.184E-11	7.5079E-09	1.42443E-09	1.00495E-14	4.94434E-15	5.01601E-15	8.22626E-16
742	571190.6	4178839	0.55, 41788	0.2552	0.29099	0.23588	127.82601	53.11626	132.48794	15.97966	8.85271	16.56099	3.09E-11	7.54E-09	1.76E-09	9.53E-15	2.88E-14	2.27E-14	1.19E-15	2.87E-14	1.58E-15	3.14238E-14	3.089E-11	7.5406E-09	1.76001E-09	9.7487E-15	4.79636E-15	4.86589E-15	7.98006E-16
743	571230.6	4178839	0.55, 41788	0.25406	0.28009	0.23929	144.46225	51.51588	176.21864	18.06666	8.58598	22.02733	3E-11	8.1E-09	2.03E-09	9.25E-15	2.79E-14	2.21E-14	1.15E-15	2.78E-14	1.53E-15	3.04846E-14	2.996E-11	8.1032E-09	2.03057E-09	9.45733E-15	4.65301E-15	4.72046E-15	7.74155E-16
744	571270.6	4178839	0.55, 41788	0.2507	0.26766	0.24251	121.82335	49.56018	161.92313	15.26733	8.26003	20.24326	2.89E-11	7.53E-09	1.74E-09	8.91E-15	2.69E-14	2.13E-14	1.11E-15	2.68E-14	1.48E-15	2.93845E-14	2.888E-11	7.5328E-09	1.73601E-09	9.11606E-15	4.4851E-15	4.55012E-15	7.46219E-16
745	571310.6	4178839	0.55, 41788	0.24184	0.25433	0.23951	103.21026	44.65355	122.05645	14.74432	7.58702	17.43664	2.76E-11	6.43E-09	1.65E-09	8.51E-15	2.57E-14	2.03E-14	1.06E-15	2.56E-14	1.41E-15	2.80712E-14	2.759E-11	6.4288E-09	1.65051E-09	8.70863E-15	4.28465E-15	4.34676E-15	7.12868E-16
746	571350.6	4178839	0.55, 41788	0.22797	0.24079	0.22797	99.0464	44.12829	113.73434	14.35742	7.39344	18.63488	2.61E-11	6.24E-09	1.63E-09	8.06E-15	2.43E-14	1.92E-14	1E-15	2.42E-14	1.34E-15	2.6582E-14	2.613E-11	6.2393E-09	1.6276E-09	8.24662E-15	4.05734E-15	4.11615E-15	6.75049E-16
747	571390.6	4178839	0.55, 41788	0.21103	0.22733	0.21036	102.76287	42.76623	112.22851	13.91866	7.25999	15.15441	2.46E-11	6.14E-09	1.54E-09	7.58E-15	2.29E-14	1.81E-14	9.44E-16	2.28E-14	1.26E-15	2.4993E-14	2.457E-11	6.1382E-09	1.542E-09	7.75366E-15	3.8148E-15	3.8701E-15	6.34696E-16
748	571430.6	4178839	0.55, 41788	0.19469	0.21494	0.19186	96.70075	41.37793	118.14409	13.13698	7.12068	15.87157	2.31E-11	6.03E-09	1.47E-09	7.13E-15	2.15E-14	1.7E-14	8.87E-16	2.14E-14	1.18E-15	2.34941E-14	2.309E-11	6.0298E-09	1.47472E-09	7.28866E-15	3.58602E-15	3.63801E-15	5.96633E-16
749	571470.6	4178839	0.55, 41788	0.18137	0.20392	0.17665	77.02264	40.18933	97.95965	10.5662	6.94319	13.29535	2.18E-11	5.48E-09	1.19E-09	6.73E-15	2.03E-14	1.61E-14	8.38E-16	2.02E-14	1.12E-15	2.21888E-14	2.181E-11	5.4832E-09	1.19266E-09	6.8837E-15	3.38678E-15	3.43587E-15	5.63483E-16
750	571510.6	4178839	0.55, 41788	0.17253	0.19446	0.16733	52.60803	39.21497	67.39367	7.34906	6.67327	9.32595	2.08E-11	4.78E-09	8.3E-10	6.41E-15	1.94E-14	1.53E-14	7.98E-16	1.93E-14	1.06E-15	2.1141E-14	2.078E-11	4.7807E-09	8.30491E-10	6.55866E-15	3.22686E-15	3.27364E-15	5.36876E-16
751	571550.6	4178839	0.55, 41788	0.16797	0.18619	0.16347	68.59481	38.25365	67.50423	9.65516	6.29212	9.48561	2E-11	4.86E-09	1.06E-09	6.16E-15	1.86E-14	1.47E-14	7.67E-16	1.85E-14	1.02E-15	2.03106E-14	1.996E-11	4.8555E-09	1.05701E-09	6.30103E-15	3.10011E-15	3.14505E-15	5.15788E-16
752	571590.6	4178839	0.55, 41788	0.16271	0.17607	0.15959	86.9293	37.04871	99.01478	11.93163	5.86384	13.49632	1.9E-11	5.32E-09	1.33E-09	5.86E-15	1.77E-14	1.4E-14	7.29E-16	1.76E-14	9.72E-16	1.93082E-14	1.898E-11	5.3189E-09	1.32809E-09	5.99005E-15	2.9471E-15	2.98982E-15	4.90331E-16
753	570839.2	4178446	9.17, 41784	74.46739	6.86955	3.72049	1115.31188	246.53605	1658.95445	545.24687	92.47095	232.89196	1.38E-09	5.3E-08	5.6E-08	4.26E-13	1.29E-12	1.02E-12	5.3E-14	1.28E-12	7.07E-14	1.40491E-12	1.381E-09	5.3005E-08	5.59616E-08	4.3585E-13	2.14438E-13	2.17547E-13	3.56777E-14
754	570839.2	4178486	9.17, 41784	72.70489	8.35312	4.22209	2611.28562	240.43522	1473.87155	1286.82968	90.10385	245.64526	1.5E-09	6.49E-08	1.28E-07	4.63E-13	1.4E-12	1.1E-12	5.76E-14	1.39E-12	7.68E-14	1.52562E-12	1.5E-09	6.4935E-08	1.28329E-07	4.73298E-13	2.32862E-13	2.36238E-13	3.8743E-14
755	570879.2	4178406	9.17, 41784	9.26791	12.09581	2.86973	654.37651	281.54322	1652.24347	174.87233	99.71055	250.6883	1.19E-09	5.14E-08	2.01E-08	3.66E-13	1.1E-12	8.72E-13	4.55E-14	1.1E-12	6.07E-14	1.20586E-12	1.185E-09	5.1444E-08	2.01162E-08	3.74098E-13	1.84056E-13	1.86724E-13	3.06228E-14
756	570879.2	4178446	9.17, 41784	110.98197	13.33715	11.62742	3333.88644	260.53475	3586.87714	1717.50318	91.01179	770.8732	2.4E-09	9.98E-08	1.77E-07	7.42E-13	2.24E-12	1.77E-12	9.23E-14	2.23E-12	1.23E-13	2.44597E-12	2.404E-09	9.9846E-08	1.76736E-07	7.58822E-13	3.7334E-13	3.78752E-13	6.21154E-14
757	570879.2	4178486	9.17, 41784	18.42358	13.79846	20.70311	473.0449	246.35325	4578.74855	141.68031	100.88031	655.29094	1.64E-09	8.26E-08	2.19E-08	5.07E-13	1.53E-12	1.21E-12	6.32E-14	1.53E-12	8.42E-14	1.67276E-12	1.644E-09	8.2629E-08	2.18686E-08	5.18947E-13	2.55322E-13	2.59023E-13	4.24797E-14
758	570879.2	4178526	9.17, 41785	94.91809	17.71904	9.02777	3340.71117	271.69492	2014.80922	1490.9797	113.49448	441.47053	2.6E-09	8.15E-08	1.51E-07	8.02E-13	2.42E-12	1.91E-12	9.98E-14	2.41E-12	1.33E-13	2.64248E-12	2.597E-09	8.1523E-08	1.5062E-07	8.19784E-13	4.03334E-13	4.0918E-13	6.71056E-14
759	570879.2	4178566	9.17, 41785	6.34056	7.84517	3.48916	517.57011	248.69096	1100.96831	138.67192	92.32789	171.27972	7.92E-10	4.04E-08	1.56E-08	2.44E-13	7.38E-13	5.83E-13	3.04E-14	7.35E-13	4.06E-14	8.05809E-13	7.921E-10	4.0429E-08	1.5613E-08	2.49989E-13	1.22995E-13	1.24777E-13	2.04635E-14
760	570919.2	4178366	9.17, 41783	2.36921	8.89638	1.45024	279.82249	231.14799	970.86833	50.20448	85.64726	145.20587	8.2E-10	3.49E-08	6.68E-09	2.53E-13	7.64E-13	6.03E-13	3.15E-14	7.61E-13	4.2E-14	8.34033E-13	8.198E-10	3.4948E-08	6.67741E-09	2.58745E-13	1.27302E-13	1.29148E-13	2.11802E-14
761	570919.2	4178406	9.17, 41784	7.16288	18.51893	2.95623	387.12304	281.06153	1814.51314	102.95605	123.97591	301.78328	1.73E-09	5.08E-08	1.37E-08	5.33E-13	1.61E-12	1.27E-12	6.64E-14	1.6E-12	8.85E-14	1.75773E-12	1.728E-09	5.0767E-08	1.37429E-08	5.45306E-13	2.68291E-13	2.7218E-13	4.46375E-14
762	570919.2	4178446	9.17, 41784	30.90779	15.96768	15.85005	761.46723	266.85593	6280.62092	290.35951	97.37786	1155.63511	1.9E-09	1.08E-07	4.25E-08	5.85E-13	1.77E-12	1.4E-12	7.29E-14	1.76E-12	9.72E-14	1.93025E-12	1.897E-09	1.0823E-07	4.25098E-08	5.98828E-13	2.94623E-13	2.98894E-13	4.90186E-14
763	570919.2	4178486	9.17, 41784	29.57453	18.16179	468.02027	992.62163	281.14129	31654.24271	425.98322	121.6397	9353.86757	7.65E-09	4.24E-07	1.57E-07	2.36E-12	7.12E-12	5.63E-12	2.94E-13	7.09E-12	3.92E-13	7.7793E-12	7.647E-09	4.2434E-07	1.56712E-07	2.4134E-12	1.18739E-12	1.2046E-12	1.97555E-13
764	570919.2	4178526	9.17, 41785	19.47257	21.77306	15.13476	427.44744	357.8357	3633.422	126.47105	151.21701	760.0028	2.28E-09	8.03E-08	2.17E-08	7.05E-13	2.13E-12	1.68E-12	8.77E-14	2.12E-12	1.17E-13	2.32352E-12	2.284E-09	8.0291E-08	2.16776E-08	7.20834E-13	3.5465E-13	3.59791E-13	5.90058E-14
765	570919.2	4178566	9.17, 41785	68.70701	17.81326	4.44491	3547.24462	326.79695	1605.72558	1121.59815	123.62419	257.53275	2.29E-09	8.33E-08	1.12E-07	7.07E-13	2.13E-12	1.69E-12	8.8E-14	2.13E-12	1.17E-13	2.33062E-12	2.291E-09	8.3342E-08	1.12386E-07	7.23037E-13	3.55734E-13	3.60891E-13	5.91861E-14
766	570959.2	4178326	9.17, 41783	2.08146	12.83514	1.34475	279.67021	252.56813	633.18912	42.32993	97.81035	79.64117	1.16E-09	3.27E-08	5.1E-09	3.58E-13	1.08E-12	8.54E-13	4.46E-14	1.08E-12	5.94E-14	1.18052E-12	1.16E-09	3.2661E-08	5.10293E-09	3.66236E-13	1.80188E-13	1.828E-13	2.99793E-14
767	570959.2	4178366	9.17, 41783	2.97969	11.80225	1.85212	241.09871	252.07126	954.07883	42.48046	78.75938	136.29698	1.09E-09	3.62E-08	5.82E-09	3.35E-13	1.01E-12	7.99E-13	4.17E-14	1.01E-12	5.56E-14	1.10392E-12	1.085E-09	3.619E-08	5.81554E-09	3.42473E-13	1.68497E-13	1.70939E-13	2.8034E-14
768	570959.2	4178406	9.17, 41784	5.48321	18.00699	4.34111	312.89849	292.26242	1429.75284	67.10795	111.57482	238.11199	1.68E-09	4.63E-08	9.47E-09	5.19E-13	1.57E-12	1.24E-12	6.47E-14	1.56E-12	8.62E-14	1.71266E-12	1.683E-09	4.6275E-08	9.46789E-09	5.31325E-13	2.61412E-13	2.65201E-13	4.3493E-14
769	570959.2	4178446	9.17, 41784	13.2141	15.9724	27.93872	471.07205	258.82785	2485.7483	129.31081	100.45092	486.63208	1.87E-09	5.79E-08	1.86E-08	5.78E-13	1.74E-12	1.38E-12	7.19E-14	1.74E-12	9.59E-14	1.90477E-12	1.872E-09	5.7917E-08	1.85864E-08	5.90924E-13	2.90735E-13	2.94949E-13	4.83717E-14
770	570959.2	4178486	9.17, 41784	61.20406	15.71053	62.85492	1330.20017	250.50131	2800.83581	539.4281	101.77571	895.66291	2.75E-09	6.95E-08	6.36E-08	8.49E-13	2.56E-12	2.03E-12	1.06E-13	2.55E-12	1.41E-13	2.80023E-12	2.752E-09	6.9537E-08	6.35598E-08	8.68725E-13	4.27413E-13	4.33608E-13	7.11118E-14
771	570959.2	4178526	9.17, 41785	233.18259	14.04006	12.98457	3491.90215	258.73899	2789.84609	1687.05022	110.68808	397.86928	3.69E-09	9.14E-08	1.69E-07	1.14E-12	3.44E-12	2.71E-12	1.42E-13	3.42E-12	1.89E-13	3.7508E-12	3.687E-09	9.1427E-08	1.69175E-07	1.16362E-12	5.72503E-13	5.80802E-13	9.52515E-14
772	570999.2	4178286	9.17, 41782	4.82709	7.01905	1.81527	541.05323	230.67805	782.52024	117.6944	82.70868	130.42004	6.84E-10	3.52E-08	1.31E-08	2.11E-13	6.38E-13	5.04E-13	2.63E-14	6.35E-13	3.5E-14	6.96101E-13	6.842E-10	3.5161E-08	1.3067E-08	2.15954E-13	1.06249E-13	1.07789E-13	1.76775E-14
773	570999.2	4178326	9.17, 41783	3.49216	17.23511	2.06149	334.8047	281.26172	702.77079	73.88295	121.01705	110.07877	1.57E-09	3.66E-08	8.55E-09	4.84E-13	1.46E-12	1.15E-12	6.02E-14	1.45E-12	8.03E-14	1.5954E-12	1.568E-09	3.6573E-08	8.55032E-09	4.94948E-13	2.43514E-13	2.47044E-13	4.05152E-14
774	570999.2	4178366	9.17, 41783	3.49499	15.86199	2.88936	258.09779	262.50756	719.40934	51.99585	99.38677	89.92617	1.46E-09	3.44E-08	6.17E-09	4.5E-13	1.36E-12	1.07E-12	5.6E-14	1.35E-12	7.47E-14	1.48355E-12	1.458E-09	3.438E-08	6.17083E-09	4.60247E-13	2.26441E-13	2.29724E-13	3.76747E-14
775	570999.2	4178406	9.17, 41784	4.67229	14.08019	6.50261	269.25985	258.20089	888.73579	48.54927	90.52886	138.83889	1.36E-09	3.62E-08	6.44E-09	4.19E-13	1.27E-12	1E-12	5.22E-14	1.26E-12	6.96E-14	1.38199E-12	1.358E-09	3.6199E-08	6.4378E-09	4.28741E-13	2.1094E-13	2.13998E-13	3.50957E-14
776	570999.2	4178446	9.17, 41784	8.21208	17.59623	13.45709	365.10896	254.50285	1091.31402	80.87758	113.65243	185.77432	1.79E-09	3.93E-08	1.02E-08	5.51E-13	1.66E-12	1.31E-12	6.86E-14	1.66E-12	9.15E-14	1.8177E-12	1.787E-09	3.9316E-08	1.01639E-08	5.63912E-13	2.77445E-13	2.81466E-13	4.61605E-14
777	570999.2	4178486	9.17, 41784	18.06608	14.21786	20.31738	585.19163	263.25351	1140.06137	156.20535	101.07997	297.24229	1.67E-09	4.29E-08	1.89E-08	5.16E-13	1.56E-12	1.23E-12	6.42E-14	1.55E-12	8.57E-14	1.70168E-12	1.673E-09	4.2851E-08	1.8872E-08	5.27919E-13	2.59736E-13	2.63501E-13	4.32142E-14
778	571039.2	4178246	9.17, 41782	16.91212	6.90765	2.82369	857.31055	271.11205	1316.76682	274.95229	93.64332	189.48612	8.06E-10	4.84E-08	2.91E-08	2.49E-13	7.51E-13	5.93E-13	3.1E-14	7.48E-13	4.13E-14	8.1999E-13	8.06E-10	4.8398E-08	2.91074E-08	2.54388E-13	1.25159E-13	1.26973E-13	2.08236E-14
779	571039.2	4178286	9.17, 41782	28.85834	15.10006	3.68614	1240.055	260.3069	1323.38037	549.80999	92.85324	215.01085	1.65E-09	5.13E-08	5.62E-08	5.1E-13	1.54E-12	1.22E-12	6.34E-14	1.53E-12	8.46E-14	1.68E-12	1.651E-09	5.1306E-08	5.61856E-08	5.21192E-13	2.56427E-13	2.60144E-13	4.26636E-14
780	571039.2	4178326	9.17, 41783	6.67676	17.1171	4.10991	443.85334	276.43557	1246.54946	131.23026	111.87763	155.81868	1.61E-09	4.39E-08	1.47E-08	4.98E-13	1.5E-12	1.19E-12	6.2E-14	1.5E-12	8.27E-14	1.6425E-12	1.614E-09	4.3924E-08	1.46979E-08	5.09558E-13	2.50703E-13	2.54337E-13	4.17112E-14
781	571039.2	4178366	9.17, 41783	4.40971	16.57374	4.87433	310.01939	259.88486	992.68074	73.97776	106.04392	160.75052	1.55E-09	3.8E-08	9.18E-09	4.8E-13	1.45E-12	1.14E-12	5.97E-14	1.44E-12	7.96E-14	1.58097E-12	1.554E-09	3.8029E-08	9.18379E-09	4.9047E-13	2.41311E-13	2.44809E-13	4.01487E-14
782	571039.2	4178406	9.17, 41784	4.40492	15.47088	6.2465	249.62047	251.60574	625.26496	54.55389	95.67705	86.62547	1.47E-09	3.22E-08	6.38E-09	4.55E-13	1.37E-12	1.09E-12	5.66E-14	1.37E-12	7.55E-14	1.49993E-12	1.474E-09	3.2183E-08	6.37926E-09	4.65327E-13	2.28941E-13	2.3226E-13	3.80906E-14
783	571039.2	4178446	9.17, 41784	6.02235	17.33371	7.45895	271.18693	258.43077	565.95619	53.34538	113.33058	91.15286	1.67E-09	3.23E-08	6.32E-09	5.15E-13	1.55E-12	1.23E-12	6.41E-14	1.55E-12	8.54E-14	1.6972E-12	1.668E-09	3.2262E-08	6.31735E-09	5.26528E-13	2.59052E-13	2.62807E-13	4.31003E-14
784	571079.2	4178246	9.17, 41782	26.90238	12.76385	4.78342	686.22219	257.40547	1959.72628	294.80616	92.56412	417.67679	1.44E-09	5.34E-08	3.39E-08	4.45E-13	1.34E-12	1.06E-12	5.53E-14	1.34E-12	7.38E-14	1.46613E-12	1.441E-09	5.3433E-08	3.38517E-08	4.54844E-13	2.23783E-13	2.27027E-13	3.72324E-14
785	571079.2	4178286	9.17, 41782	49.90964	15.92317	13.80121	957.6563	283.49226	4117.74908	414.11972	108.09945	689.22522	2.06E-09	8.5E-08	4.88E-08	6.34E-13	1.92E-12	1.51E-12	7.89E-14	1.91E-12	1.05E-13	2.09113E-12	2.055E-09	8.4976E-08	4.8815E-08	6.48738E-13	3.19179E-13	3.23806E-13	5.31042E-14
786	571079.2	4178326	9.17, 41783	16.67986	14.36437	14.4793	793.60016	243.70787	3077.685	313.14105	91.11491	664.711	1.6E-09	6.71E-08	3.87E-08	4.94E-13	1.49E-12	1.18E-12	6.14E-14	1.48E-12	8.19E-14	1.62766E-12	1.6E-09	6.7065E-08	3.86803E-08	5.04955E-13	2.48438E-13	2.52039E-13	4.13344E-14
787	571079.2	4178366	9.17, 41783	6.18218	17.09307	7.0902	419.38901	255.0076	1488.27193	110.95083	108.56867	287.95219	1.64E-09	4.48E-08	1.44E-08	5.07E-13	1.53E-12	1.21E-12	6.32E-14	1.53E-12	8.42E-14	1.67275E-12	1.644E-09	4.4785E-08	1.4351E-08	5.18944E-13	2.5532E-13	2.59022E-13	4.24795E-14
788	571079.2	4178406	9.17, 41784	4.42977	14.91	5.35349	310.20505	209.99469	815.89349	72.09993	91.11305	117.58287	1.41E-09	3.15E-08	8.47E-09	4.36E-13	1.32E-12	1.04E-12	5.43E-14	1.31E-12	7.24E-14	1.43904E-12	1.415E-09	3.1487E-08	8.46915E-09	4.4644E-13	2.19648E-13	2.22832E-13	3.65445E-14
789	571119.2	4178286	9.17, 41782	25.0824	15.07438	138.00946	507.91812	256.39153	16734.57469	211.8106	106.96205	4271.60103	3.27E-09	2.34E-07	7.32E-08	1.01E-12	3.04E-12	2.4E-12	1.25E-13	3.03E-12	1.67E-13	3.32333E-12	3.267E-09	2.336E-07	7.32477E-08	1.03101E-12	5.07256E-13	5.14609E-13	8.43959E-14
790	571119.2	4178326	9.17, 41783	197.49067	14.51391	52.98238	3348.29445	230.6601	7805.71053	1622.72219	95.52079	2122.69744	3.87E-09	1.49E-07	1.84E-07	1.19E-12	3.61E-12	2.85E-12	1.49E-13	3.59E-12	1.98E-13	3.93642E-12	3.869E-09	1.4935E-07	1.8416E-07	1.22121E-12	6.00835E-13	6.09545E-13	9.99653E-14
791	571119.2	4178366	9.17, 41783	10.01384	12.46582	9.59129	630.48898	206.62645	2115.5821	198.58486	83.22549	424.70779	1.31E-09	5.04E-08	2.46E-08	4.04E-13	1.22E-12	9.63E-13	5.02E-14	1.21E-12	6.7E-14	1.33052E-12	1.308E-09	5.036E-08	2.4569E-08	4.12773E-13	2.03084E-13	2.06028E-13	3.37886E-14
792	571159.2	4178326	9.17, 41783	219.15803	19.05137	35.48029	3124.9508	277.70648	3646.5914	1560.39264	128.55095	753.34584	4.26E-09	1E-07	1.61E-07	1.32E-12	3.97E-12	3.14E-12	1.64E-13	3.96E-12	2.18E-13	4.33831E-12	4.264E-09	1.0003E-07	1.61221E-07	1.34589E-12	6.62178E-13	6.71776E-13	1.10171E-13
793	570808.8	4178465	8.82, 41784	10.95844	3.34212	2.15804	1253.90468	193.66587	956.23037	302.59047	56.7134	159.37173	4.27E-10	4.11E-08	3.14E-08	1.32E-13	3.98E-13	3.14E-13	1.64E-14	3.96E-13	2.19E-14	4.34491E-13	4.271E-10	4.1087E-08	3.14276E-08	1.34794E-13	6.63185E-14	6.72799E-14	1.10339E-14
794	570823.9	4178530	3.91, 41785	3.05561	3.25593	2.40542	358.64643	197.99385	1108.94733	70.39413	63.38636	140.39269	3.45E-10	3.45E-08	8.58E-09	1.06E-13	3.21E-13	2.54E-13	1.32E-14	3.2E-13	1.77E-14	3.50681E-13	3.447E-10	3.4524E-08	8.58405E-09	1.08793E-13	5.35261E-14	5.4302E-14	8.90552E-15
795	570883.3	4178602	3.31, 41786	3.07425	4.49746	2.05933	479.66242	287.53386	914.81532	94.76169	103.00469	119.05382	4.49E-10	4.12E-08	1.07E-08	1.39E-13	4.19E-13	3.31E-13	1.73E-14	4.17E-13	2.3E-14	4.57071E-13	4.493E-10	4.1161E-08	1.06939E-08	1.41799E-13	6.9765E-14	7.07763E-14	1.16073E-14
796	571181.5	4178310	1.45, 41783	77.30582	13.12592	35.80897	2585.53888	242.23364	1672.90767	872.95261	114.20023	513.62427	2.35E-09	6.73E-08	9.13E-08	7.26E-13	2.19E-12	1.73E-12	9.03E-14	2.18E-12	1.2E-13	2.39258E-12	2.352E-09	6.729E-08	9.13298E-08	7.42259E-13	3.65191E-13	3.70485E-13	6.07595E-14
797	571067.8	4178207	7.83, 41782	5.36607	4.9243	1.64986	895.65181	299.02694	904.65641	223.56067	96.05921	144.20823	5.04E-10	4.61E-08	2.35E-08	1.56E-13	4.7E-13	3.71E-13	1.94E-14	4.68E-13	2.58E-14	5.12923E-13	5.042E-10	4.6142E-08	2.35454E-08	1.59126E-13	7.82899E-14	7.94247E-14	1.30257E-14
798	570799.9	4178447	9.89, 41784	4.88888	2.78293	1.75814	732.83791	152.28075	768.58836	142.77112	52.0733	124.31973	3.13E-10	3E-08	1.54E-08	9.67E-14	2.92E-13	2.31E-13	1.2E-14	2.91E-13	1.6E-14	3.18835E-13	3.134E-10	3.0018E-08	1.54336E-08	9.89133E-14	4.86653E-14	4.93708E-14	8.09681E-15

	Trenching	Grading	Stockpile
Emissions Rate (g/s):	1.39E-11	1.24E-10	1.74E-11

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	1.8	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	1.8	10	2	70	0.85
2<9	861	1	0.854795	0.000001	1.8	3	0.55	70	0.72
Student	640	1	0.493151	0.000001	1.8	3	2.8	70	1
Worker	230	1	0.684932	0.000001	1.8	1	2.8	70	1

Hexachlorobenzene

	Chronic (Annu	Acute (1hr)	8hr
REL:	1	1	1

				Concentration [µg/m^3] at 1 g/s									Concentration (µg/m^3) Unmitigated			Unmitigated Residential Dose			Risk by Age Group				Unmitigated			Student Unmitigated		Worker Unmitigated	
#	X	Y	X,Y	Trenching Period	Grading Period	Stockpile Period	Treching 1hr	Grading 1hr	Stockpile 1hr	Trenching 8hr	Grading 8hr	Stockpile 8hr	Period Total	1hr Total	8hr Total	3rd	0<2	2<9	3rd	0<2	2<9	Total Risk	Chronic	Acute	8hr	Dose	Risk	Dose	Risk
1	570310.55	4177918.99	0.55, 41779	0.08215	0.06425	0.08047	53.98877	25.74637	57.86027	6.7486	3.78109	7.23253	1.05E-11	4.94E-09	1.05E-09	3.24E-15	9.77E-15	7.72E-15	1.77E-16	4.27E-15	2.36E-16	4.68356E-15	1.049E-11	4.941E-09	1.05403E-09	3.3096E-15	7.14874E-16	1.65193E-15	1.18939E-16
2	570350.55	4177918.99	0.55, 41779	0.08744	0.06946	0.0859	61.34869	26.43683	62.74615	7.66859	3.66465	7.84327	1.13E-11	5.21E-09	1.19E-09	3.49E-15	1.05E-14	8.32E-15	1.91E-16	4.6E-15	2.54E-16	5.04631E-15	1.13E-11	5.2139E-09	1.19119E-09	3.56594E-15	7.70242E-16	1.77987E-15	1.28151E-16
3	570390.55	4177918.99	0.55, 41779	0.09273	0.07514	0.09126	67.57642	27.23616	68.95787	8.44705	3.80844	8.61973	1.22E-11	5.51E-09	1.31E-09	3.75E-15	1.13E-14	8.95E-15	2.05E-16	4.96E-15	2.74E-16	5.43446E-15	1.217E-11	5.5074E-09	1.31177E-09	3.84022E-15	8.29488E-16	1.91678E-15	1.38008E-16
4	570430.55	4177918.99	0.55, 41779	0.09799	0.08123	0.09661	71.34976	28.07066	72.35504	8.91872	4.01428	9.04438	1.31E-11	5.72E-09	1.38E-09	4.04E-15	1.22E-14	9.63E-15	2.21E-16	5.33E-15	2.94E-16	5.84499E-15	1.309E-11	5.7222E-09	1.38403E-09	4.13032E-15	8.92148E-16	2.06157E-15	1.48433E-16
5	570470.55	4177918.99	0.55, 41779	0.10292	0.08757	0.10182	71.34124	28.88227	71.18869	8.91766	4.18506	8.89859	1.4E-11	5.8E-09	1.38E-09	4.33E-15	1.31E-14	1.03E-14	2.37E-16	5.71E-15	3.15E-16	6.26618E-15	1.403E-11	5.8022E-09	1.38135E-09	4.42795E-15	9.56437E-16	2.21013E-15	1.59129E-16
6	570510.55	4177918.99	0.55, 41779	0.10719	0.09397	0.10631	70.57748	29.51269	72.86498	8.82218	4.31581	9.10812	1.5E-11	5.9E-09	1.37E-09	4.62E-15	1.39E-14	1.1E-14	2.52E-16	6.09E-15	3.36E-16	6.68098E-15	1.496E-11	5.8986E-09	1.37186E-09	4.72106E-15	1.01975E-15	2.35643E-15	1.69663E-16
7	570550.55	4177918.99	0.55, 41779	0.11095	0.10041	0.10942	80.02506	30.00614	83.29269	10.00313	4.88273	10.41159	1.59E-11	6.27E-09	1.56E-09	4.89E-15	1.48E-14	1.17E-14	2.67E-16	6.46E-15	3.57E-16	7.08409E-15	1.586E-11	6.2726E-09	1.55697E-09	5.00592E-15	1.08128E-15	2.49862E-15	1.799E-16
8	570590.55	4177918.99	0.55, 41779	0.11537	0.10684	0.11183	81.14556	31.22548	84.40479	10.14319	5.49199	10.5506	1.68E-11	6.46E-09	1.58E-09	5.17E-15	1.56E-14	1.23E-14	2.83E-16	6.83E-15	3.77E-16	7.48532E-15	1.676E-11	6.4583E-09	1.57865E-09	5.28945E-15	1.14252E-15	2.64013E-15	1.9009E-16
9	570630.55	4177918.99	0.55, 41779	0.12154	0.11343	0.11602	82.02682	32.76834	84.97635	10.54682	6.07261	10.62204	1.77E-11	6.67E-09	1.64E-09	5.47E-15	1.65E-14	1.31E-14	2.99E-16	7.22E-15	3.99E-16	7.9201E-15	1.773E-11	6.6712E-09	1.63541E-09	5.59668E-15	1.20888E-15	2.79348E-15	2.01131E-16
10	570670.55	4177918.99	0.55, 41779	0.12896	0.11974	0.12346	90.28793	34.09351	94.2666	12.11861	6.60764	13.84836	1.87E-11	7.11E-09	1.91E-09	5.78E-15	1.75E-14	1.38E-14	3.16E-16	7.63E-15	4.21E-16	8.37244E-15	1.875E-11	7.1117E-09	1.90773E-09	5.91632E-15	1.27793E-15	2.95303E-15	2.12618E-16
11	570710.55	4177918.99	0.55, 41779	0.13589	0.12543	0.13131	92.03158	38.34133	98.54944	11.50395	7.03486	13.72911	1.97E-11	7.74E-09	1.82E-09	6.07E-15	1.83E-14	1.45E-14	3.32E-16	8.02E-15	4.43E-16	8.7907E-15	1.968E-11	7.7356E-09	1.82111E-09	6.21188E-15	1.34177E-15	3.10055E-15	2.23239E-16
12	570750.55	4177918.99	0.55, 41779	0.14097	0.13029	0.13561	98.93292	42.68075	106.54938	12.36662	7.25038	14.15663	2.04E-11	8.51E-09	1.95E-09	6.3E-15	1.9E-14	1.5E-14	3.44E-16	8.32E-15	4.59E-16	9.12403E-15	2.043E-11	8.5073E-09	1.9472E-09	6.44743E-15	1.39264E-15	3.21812E-15	2.31705E-16
13	570790.55	4177918.99	0.55, 41779	0.1434	0.13429	0.137	101.78306	44.96916	112.12821	12.72288	7.16867	14.01603	2.1E-11	8.93E-09	1.99E-09	6.47E-15	1.95E-14	1.54E-14	3.54E-16	8.55E-15	4.72E-16	9.37079E-15	2.098E-11	8.9269E-09	1.99375E-09	6.6218E-15	1.43031E-15	3.30515E-15	2.37971E-16
14	570830.55	4177918.99	0.55, 41779	0.14249	0.1373	0.1371	103.05806	46.92439	113.14313	12.88226	6.63254	14.14289	2.13E-11	9.2E-09	2.02E-09	6.59E-15	1.99E-14	1.57E-14	3.6E-16	8.69E-15	4.8E-16	9.5321E-15	2.134E-11	9.204E-09	2.01788E-09	6.73579E-15	1.45493E-15	3.36205E-15	2.42067E-16
15	570870.55	4177918.99	0.55, 41779	0.13915	0.13926	0.13269	113.81753	49.41272	127.10432	14.22719	6.17659	15.88804	2.15E-11	9.9E-09	2.23E-09	6.62E-15	2E-14	1.58E-14	3.62E-16	8.74E-15	4.83E-16	9.58528E-15	2.146E-11	9.9043E-09	2.23323E-09	6.77337E-15	1.46305E-15	3.3808E-15	2.43418E-16
16	570910.55	4177918.99	0.55, 41779	0.13537	0.14116	0.12571	103.09741	52.00284	118.27061	16.13684	6.50036	14.78383	2.15E-11	9.92E-09	2.48E-09	6.64E-15	2.01E-14	1.58E-14	3.63E-16	8.77E-15	4.84E-16	9.61243E-15	2.152E-11	9.9216E-09	2.47666E-09	6.79255E-15	1.46719E-15	3.39038E-15	2.44107E-16
17	570950.55	4177918.99	0.55, 41779	0.13129	0.14261	0.12523	128.63222	54.75687	154.09416	19.7206	7.6051	23.34348	2.16E-11	1.12E-08	3.12E-09	6.68E-15	2.02E-14	1.59E-14	3.65E-16	8.81E-15	4.86E-16	9.66339E-15	2.164E-11	1.1241E-08	3.1185E-09	6.82856E-15	1.47497E-15	3.40835E-15	2.45402E-16
18	570990.55	4177918.99	0.55, 41779	0.12715	0.1442	0.12572	126.51514	58.01026	163.29109	18.07359	9.36612	23.3273	2.18E-11	1.18E-08	2.89E-09	6.72E-15	2.03E-14	1.6E-14	3.67E-16	8.87E-15	4.9E-16	9.72925E-15	2.178E-11	1.1774E-08	2.8917E-09	6.8751E-15	1.48502E-15	3.43158E-15	2.47074E-16
19	571030.55	4177918.99	0.55, 41779	0.12254	0.14609	0.11762	125.39004	62.99788	174.41478	17.19472	10.49965	21.80185	2.18E-11	1.26E-08	2.74E-09	6.73E-15	2.03E-14	1.61E-14	3.68E-16	8.88E-15	4.9E-16	9.74198E-15	2.181E-11	1.2568E-08	2.74427E-09	6.8841E-15	1.48697E-15	3.43607E-15	2.47397E-16
20	571070.55	4177918.99	0.55, 41779	0.1201	0.14847	0.1104	126.80092	67.58831	177.9713	16.22667	10.87469	22.24641	2.19E-11	1.32E-08	2.62E-09	6.77E-15	2.04E-14	1.62E-14	3.7E-16	8.94E-15	4.93E-16	9.80211E-15	2.195E-11	1.3217E-08	2.61887E-09	6.92659E-15	1.49614E-15	3.45728E-15	2.48924E-16
21	571110.55	4177918.99	0.55, 41779	0.1205	0.15044	0.10927	126.62476	68.47754	165.66905	20.2586	9.61445	20.70863	2.22E-11	1.31E-08	3.15E-09	6.84E-15	2.07E-14	1.63E-14	3.74E-16	9.03E-15	4.99E-16	9.90458E-15	2.218E-11	1.311E-08	3.14665E-09	6.999E-15	1.51178E-15	3.49342E-15	2.51526E-16
22	571150.55	4177918.99	0.55, 41779	0.1212	0.15159	0.11602	131.66409	62.22893	172.39569	21.10658	9.19459	24.99313	2.24E-11	1.25E-08	3.34E-09	6.93E-15	2.09E-14	1.65E-14	3.78E-16	9.14E-15	5.05E-16	1.00249E-14	2.245E-11	1.2525E-08	3.33783E-09	7.08401E-15	1.53015E-15	3.53586E-15	2.54582E-16
23	571190.55	4177918.99	0.55, 41779	0.12215	0.15198	0.11825	137.85581	66.48698	180.99172	19.69369	10.25241	26.94632	2.25E-11	1.33E-08	3.18E-09	6.96E-15	2.1E-14	1.66E-14	3.8E-16	9.18E-15	5.07E-16	1.00697E-14	2.255E-11	1.3287E-08	3.17749E-09	7.11565E-15	1.53698E-15	3.55165E-15	2.55719E-16
24	571230.55	4177918.99	0.55, 41779	0.12354	0.15154	0.11348	148.65332	75.08948	179.38421	21.23619	9.50538	22.42303	2.24E-11	1.45E-08	3.31E-09	6.92E-15	2.09E-14	1.65E-14	3.78E-16	9.13E-15	5.04E-16	1.00169E-14	2.243E-11	1.4473E-08	3.31094E-09	7.07839E-15	1.52893E-15	3.53305E-15	2.5438E-16
25	571270.55	4177918.99	0.55, 41779	0.12544	0.15047	0.11372	135.01221	73.55453	181.97135	18.66937	9.80753	25.99591	2.23E-11	1.41E-08	3.02E-09	6.89E-15	2.08E-14	1.64E-14	3.76E-16	9.09E-15	5.02E-16	9.97153E-15	2.233E-11	1.4138E-08	3.02007E-09	7.04631E-15	1.522E-15	3.51704E-15	2.53227E-16
26	571310.55	4177918.99	0.55, 41779	0.12844	0.14895	0.1185	144.25948	74.57026	160.72945	18.03243	9.63087	20.79832	2.23E-11	1.4E-08	2.84E-09	6.87E-15	2.07E-14	1.64E-14	3.75E-16	9.07E-15	5.01E-16	9.94341E-15	2.226E-11	1.4023E-08	2.84203E-09	7.02644E-15	1.51771E-15	3.50712E-15	2.52513E-16
27	571350.55	4177918.99	0.55, 41779	0.13264	0.1484	0.12186	134.13439	65.82548	182.86761	16.7668	8.49886	22.85845	2.23E-11	1.32E-08	2.7E-09	6.88E-15	2.08E-14	1.64E-14	3.76E-16	9.09E-15	5.02E-16	9.96527E-15	2.231E-11	1.3186E-08	2.70381E-09	7.04189E-15	1.52105E-15	3.51483E-15	2.53068E-16
28	571390.55	4177918.99	0.55, 41779	0.13487	0.1464	0.12015	140.45529	51.40311	177.22554	17.55691	7.98518	22.15319	2.21E-11	1.14E-08	2.8E-09	6.81E-15	2.06E-14	1.62E-14	3.72E-16	8.99E-15	4.96E-16	9.85542E-15	2.207E-11	1.1393E-08	2.8002E-09	6.96426E-15	1.50428E-15	3.47609E-15	2.50278E-16
29	571430.55	4177918.99	0.55, 41779	0.14548	0.15293	0.12366	139.19794	49.3636	190.22803	17.39974	7.65374	23.7785	2.31E-11	1.13E-08	2.81E-09	7.12E-15	2.15E-14	1.7E-14	3.89E-16	9.4E-15	5.19E-16	1.03092E-14	2.308E-11	1.135E-08	2.80687E-09	7.28493E-15	1.57354E-15	3.63614E-15	2.61802E-16
30	571470.55	4177918.99	0.55, 41779	0.15916	0.16179	0.13045	134.87595	45.89373	190.37308	16.85949	6.86379	23.79664	2.45E-11	1.09E-08	2.73E-09	7.56E-15	2.28E-14	1.8E-14	4.13E-16	9.97E-15	5.51E-16	1.09362E-14	2.449E-11	1.0863E-08	2.73288E-09	7.728E-15	1.66925E-15	3.85729E-15	2.77725E-16
31	571510.55	4177918.99	0.55, 41779	0.17426	0.17151	0.14116	122.2315	42.4201	161.48029	15.27894	5.85942	20.18504	2.61E-11	9.76E-09	2.45E-09	8.05E-15	2.43E-14	1.92E-14	4.4E-16	1.06E-14	5.86E-16	1.165E-14	2.608E-11	9.7552E-09	2.45265E-09	8.23239E-15	1.7782E-15	4.10905E-15	2.95851E-16
32	571550.55	4177918.99	0.55, 41779	0.18787	0.18026	0.15558	112.99449	35.73716	155.78517	14.12431	5.76206	19.47315	2.76E-11	8.7E-09	2.28E-09	8.52E-15	2.57E-14	2.03E-14	4.65E-16	1.12E-14	6.21E-16	1.23298E-14	2.761E-11	8.7014E-09	2.28146E-09	8.71276E-15	1.88196E-15	4.34882E-15	3.13115E-16
33	571590.55	4177918.99	0.55, 41779	0.19949	0.18751	0.17419	94.68734	29.26563	123.69427	11.83592	5.30509	15.46178	2.9E-11	7.09E-09	1.9E-09	8.94E-15	2.7E-14	2.13E-14	4.89E-16	1.18E-14	6.52E-16	1.2947E-14	2.899E-11	7.0882E-09	1.89692E-09	9.14888E-15	1.97616E-15	4.5665E-15	3.28788E-16
34	570310.55	4177958.99	0.55, 41779	0.08597	0.06676	0.0838	56.89619	26.25101	62.23098	7.11202	4.18522	7.77887	1.09E-11	5.12E-09	1.11E-09	3.37E-15	1.02E-14	8.03E-15	1.84E-16	4.44E-15	2.45E-16	4.87177E-15	1.091E-11	5.1199E-09	1.11352E-09	3.4426E-15	7.43602E-16	1.71831E-15	1.23719E-16
35	570350.55	4177958.99	0.55, 41779	0.09204	0.07257	0.08995	58.96006	27.16756	63.77509	7.37001	4.19821	7.97189	1.18E-11	5.29E-09	1.15E-09	3.65E-15	1.1E-14	8.7E-15	1.99E-16	4.81E-15	2.66E-16	5.27809E-15	1.182E-11	5.2888E-09	1.15236E-09	3.72973E-15	8.05621E-16	1.86163E-15	1.34037E-16
36	570390.55	4177958.99	0.55, 41779	0.09833	0.07904	0.09639	63.0038	28.02201	66.12463	7.87548	4.15896	8.26558	1.28E-11	5.49E-09	1.23E-09	3.95E-15	1.19E-14	9.43E-15	2.16E-16	5.22E-15	2.88E-16	5.72448E-15	1.282E-11	5.4916E-09	1.227E-09	4.04516E-15	8.73754E-16	2.01907E-15	1.45373E-16
37	570430.55	4177958.99	0.55, 41779	0.10461	0.08611	0.10266	70.72142	28.76698	72.80329	8.84018	4.23038	9.10041	1.39E-11	5.81E-09	1.37E-09	4.29E-15	1.29E-14	1.02E-14	2.34E-16	5.66E-15	3.12E-16	6.2026E-15	1.389E-11	5.8074E-09	1.3742E-09	4.38302E-15	9.46733E-16	2.18771E-15	1.57515E-16
38	570470.55	4177958.99	0.55, 41779	0.11098	0.09385	0.10929	78.78718	29.82596	80.74124	9.8484	4.47695	10.09265	1.5E-11	6.19E-09	1.53E-09	4.64E-15	1.4E-14	1.11E-14	2.54E-16	6.13E-15	3.38E-16	6.72108E-15	1.505E-11	6.1887E-09	1.53014E-09	4.7494E-15	1.02587E-15	2.37058E-15	1.70682E-16
39	570510.55	4177958.99	0.55, 41779	0.1169	0.10189	0.11567	83.26174	30.87615	84.48278	10.40772	4.70339	10.56035	1.62E-11	6.45E-09	1.62E-09	5.01E-15	1.51E-14	1.19E-14	2.74E-16	6.61E-15	3.65E-16	7.25138E-15	1.624E-11	6.4459E-09	1.6152E-09	5.12413E-15	1.10681E-15	2.55762E-15	1.84149E-16
40	570550.55	4177958.99	0.55, 41779	0.12213	0.11	0.12099	82.46075	31.83495	82.01237	10.30759	4.9071	10.25155	1.74E-11	6.51E-09	1.6E-09	5.37E-15	1.62E-14	1.28E-14	2.93E-16	7.09E-15	3.91E-16	7.77301E-15	1.74E-11	6.5103E-09	1.59606E-09	5.49274E-15	1.18643E-15	2.7416E-15	1.97395E-16
41	570590.55	4177958.99	0.55, 41779	0.1275	0.1185	0.12492	87.61849	32.53805	91.54904	10.95231	5.6614	11.44363	1.86E-11	6.83E-09	1.71E-09	5.74E-15	1.73E-14	1.37E-14	3.14E-16	7.57E-15	4.18E-16	8.30625E-15	1.86E-11	6.8349E-09	1.70547E-09	5.86955E-15	1.26782E-15	2.92968E-15	2.10937E-16
42	570630.55	4177958.99	0.55, 41779	0.13429	0.12721	0.12893	94.25098	33.95012	99.61773	11.78137	6.34882	12.45222	1.98E-11	7.24E-09	1.84E-09	6.12E-15	1.85E-14	1.46E-14	3.35E-16	8.08E-15	4.46E-16	8.86053E-15	1.984E-11	7.2422E-09	1.83705E-09	6.26123E-15	1.35243E-15	3.12518E-15	2.25013E-16
43	570670.55	4177958.99	0.55, 41779	0.1434	0.13582	0.13624	91.47953	35.4429	96.20253	12.89467	6.97952	13.63762	2.12E-11	7.33E-09	2.01E-09	6.53E-15	1.97E-14	1.56E-14	3.57E-16	8.62E-15	4.76E-16	9.44936E-15	2.116E-11	7.3287E-09	2.0108E-09	6.67732E-15	1.4423E-15	3.33286E-15	2.39966E-16
44	570710.55	4177958.99	0.55, 41779	0.15342	0.14402	0.1467	103.54122	38.62398	108.53691	12.94265	7.57754	15.98544	2.25E-11	8.1E-09	2.06E-09	6.94E-15	2.1E-14	1.66E-14	3.79E-16	9.16E-15	5.06E-16	1.00457E-14	2.249E-11	8.1045E-09	2.05825E-09	7.09872E-15	1.53332E-15	3.5432E-15	2.5511E-16
45	570750.55	4177958.99	0.55, 41779	0.16261	0.1515	0.15549	105.52732	44.38977	114.23814	13.19092	8.09206	15.7724	2.37E-11	8.94E-09	2.09E-09	7.31E-15	2.21E-14	1.74E-14	4E-16	9.65E-15	5.33E-16	1.05841E-14	2.37E-11	8.9441E-09	2.08869E-09	7.4792E-15	1.61551E-15	3.73311E-15	2.68784E-16
46	570790.55	4177958.99	0.55, 41779	0.16989	0.15823	0.16076	113.60479	47.24143	124.57926	14.2006	8.3928	15.57241	2.47E-11	9.59E-09	2.22E-09	7.63E-15	2.3E-14	1.82E-14	4.17E-16	1.01E-14	5.56E-16	1.10419E-14	2.472E-11	9.589E-09	2.22408E-09	7.8027E-15	1.68538E-15	3.89458E-15	2.8041E-16
47	570830.55	4177958.99	0.55, 41779	0.1738	0.16401	0.16481	115.20896	49.45722	130.36471	14.40112	8.28774	16.29559	2.56E-11	9.99E-09	2.26E-09	7.89E-15	2.38E-14	1.88E-14	4.31E-16	1.04E-14	5.75E-16	1.14168E-14	2.556E-11	9.9859E-09	2.26424E-09	8.06763E-15	1.74261E-15	4.02681E-15	2.89931E-16
48	570870.55	4177958.99	0.55, 41779	0.17339	0.16851	0.16469	122.33209	52.01335	138.82114	15.29151	7.46689	17.35264	2.61E-11	1.05E-08	2.41E-09	8.06E-15	2.43E-14	1.92E-14	4.4E-16	1.06E-14	5.87E-16	1.16618E-14	2.611E-11	1.0548E-08	2.40509E-09	8.24074E-15	1.78E-15	4.11322E-15	2.96152E-16
49	570910.55	4177958.99	0.55, 41779	0.16973	0.17204	0.1579	128.70888	55.67631	149.19916	16.08861	6.95954	18.64989	2.64E-11	1.13E-08	2.54E-09	8.14E-15	2.46E-14	1.94E-14	4.45E-16	1.07E-14	5.93E-16	1.17812E-14	2.638E-11	1.127E-08	2.5373E-09	8.3251E-15	1.79822E-15	4.15532E-15	2.99183E-16
50	570950.55	4177958.99	0.55, 41779	0.16375	0.1746	0.15354	137.78687	58.35606	146.62449	21.41966	8.40086	22.62642	2.65E-11	1.17E-08	3.34E-09	8.19E-15	2.47E-14	1.95E-14	4.47E-16	1.08E-14	5.97E-16	1.18515E-14	2.653E-11	1.1683E-08	3.33971E-09	8.37476E-15	1.80895E-15	4.18011E-15	3.00968E-16
51	570990.55	4177958.99	0.55, 41779	0.1571	0.17611	0.15296	148.41379	62.43724	189.01685	21.20197	10.20575	28.13097	2.66E-11	1.31E-08	3.41E-09	8.21E-15	2.48E-14	1.96E-14	4.49E-16	1.08E-14	5.98E-16	1.1889E-14	2.662E-11	1.3073E-08	3.40555E-09	8.40127E-15	1.81467E-15	4.19334E-15	3.01921E-16
52	571030.55	4177958.99	0.55, 41779	0.15135	0.1787	0.14372	141.29712	68.4386	198.29024	19.05284	11.40643	25.9054	2.67E-11	1.39E-08	3.07E-09	8.24E-15	2.49E-14	1.96E-14	4.5E-16	1.09E-14	6E-16	1.19244E-14	2.67E-11	1.3877E-08	3.07124E-09	8.42631E-15	1.82008E-15	4.20584E-15	3.02821E-16
53	571070.55	4177958.99	0.55, 41779	0.14838	0.1815	0.13361	143.49488	74.36914	202.29359	18.79197	11.80682	25.2867	2.68E-11	1.47E-08	3.02E-09	8.28E-15	2.5E-14	1.97E-14	4.52E-16	1.09E-14	6.03E-16	1.1982E-14	2.683E-11	1.4711E-08	3.02459E-09	8.46698E-15	1.82887E-15	4.22614E-15	3.04282E-16
54	571110.55	4177958.99	0.55, 41779	0.14858	0.18375	0.13332	140.62761	73.34522	192.64407	22.74237	10.22286	24.08051	2.71E-11	1.44E-08	3.55E-09	8.36E-15	2.53E-14	1.99E-14	4.57E-16	1.1E-14	6.09E-16	1.21052E-14	2.71E-11	1.4376E-08	3.54693E-09	8.55405E-15	1.84768E-15	4.2696E-15	3.07411E-16
55	571150.55	4177958.99	0.55, 41779	0.14994	0.18566	0.14292	146.3467	67.83983	199.40983	22.92053	11.48399	30.37919	2.75E-11	1.39E-08	3.68E-09	8.49E-15	2.56E-14	2.03E-14	4.64E-16	1.12E-14	6.19E-16	1.22937E-14	2.752E-11	1.3893E-08	3.68104E-09	8.68727E-15	1.87645E-15	4.33609E-15	3.12199E-16
56	571190.55	4177958.99	0.55, 41779	0.1525	0.18616	0.14359	161.89014	78.97315	204.49698	23.12716	11.84075	29.21385	2.76E-11	1.56E-08	3.69E-09	8.53E-15	2.57E-14	2.03E-14	4.66E-16	1.13E-14	6.21E-16	1.23425E-14	2.763E-11	1.5574E-08	3.68918E-09	8.7217E-15	1.88389E-15	4.35328E-15	3.13436E-16
57	571230.55	4177958.99	0.55, 41779	0.15542	0.18516	0.1383	156.07845	81.92899	197.17574	22.29692	11.22006	24.64697	2.75E-11	1.57E-08	3.5E-09	8.47E-15	2.56E-14	2.02E-14	4.63E-16	1.12E-14	6.17E-16	1.22643E-14	2.746E-11	1.5731E-08	3.49552E-09	8.66646E-15	1.87196E-15	4.32571E-15	3.11451E-16
58	571270.55	4177958.99	0.55, 41779	0.15909	0.18379	0.14205	158.42767	82.70179	205.30007	19.80346	11.54254	29.32858	2.74E-11	1.6E-08	3.23E-09	8.46E-15	2.55E-14	2.02E-14	4.62E-16	1.12E-14	6.16E-16	1.22406E-14	2.741E-11	1.6001E-08	3.23404E-09	8.64973E-15	1.86834E-15	4.31736E-15	3.1085E-16
59	571310.55	4177958.99	0.55, 41779	0.1655	0.18382	0.1484	150.26158	75.50789	204.0765	18.7827	10.48328	25.50956	2.76E-11	1.5E-08	3.03E-09	8.52E-15	2.57E-14	2.03E-14	4.66E-16	1.12E-14	6.21E-16	1.23315E-14	2.761E-11	1.4977E-08	3.0272E-09	8.71394E-15	1.88221E-15	4.34941E-15	3.13157E-16
60	571350.55	4177958.99	0.55, 41779	0.17654	0.1881	0.15257	154.82597	60.83045	189.56737	19.35325	9.71095	23.69592	2.84E-11	1.3E-08	3.07E-09	8.75E-15	2.64E-14	2.09E-14	4.78E-16	1.16E-14	6.38E-16	1.26688E-14	2.836E-11	1.2973E-08	3.07411E-09	8.95233E-15	1.9337E-15	4.46839E-15	3.21724E-16
61	571390.55	4177958.99	0.55, 41779	0.18842	0.1934	0.15428	152.92189	54.55359	214.59873	19.11524	9.16318	26.82484	2.92E-11	1.26E-08	3.1E-09	9.02E-15	2.72E-14	2.15E-14	4.93E-16	1.19E-14	6.57E-16	1.30486E-14	2.921E-11	1.2607E-08	3.09582E-09	9.2207E-15	1.99167E-15	4.60235E-15	3.31369E-16
62	571430.55	4177958.99	0.55, 41779	0.20645	0.20414	0.16292	148.33328	50.38722	217.66749	18.54166	8.09078	27.20844	3.09E-11	1.21E-08	3.02E-09	9.55E-15	2.88E-14	2.28E-14	5.22E-16	1.26E-14	6.96E-16	1.38208E-14	3.094E-11	1.2081E-08	3.02361E-09	9.76639E-15	2.10954E-15	4.87472E-15	3.5098E-16
63	571470.55	4177958.99	0.55, 41779	0.22554	0.21577	0.17809	134.13897	46.24246	185.84967	16.76737	6.92684	23.23121	3.29E-11	1.08E-08	2.71E-09	1.02E-14	3.07E-14	2.42E-14	5.55E-16	1.34E-14	7.4E-16	1.46995E-14	3.291E-11	1.0818E-08	2.71037E-09	1.03873E-14	2.24366E-15	5.18465E-15	3.73294E-16
64	571510.55	4177958.99	0.55, 41779	0.24332	0.22654	0.20114	122.33786	38.55117	174.21255	15.29223	6.75463	21.77657	3.49E-11	9.5E-09	2.48E-09	1.08E-14	3.25E-14	2.57E-14	5.88E-16	1.42E-14	7.84E-16	1.55839E-14	3.489E-11	9.5E-09	2.48217E-09	1.10122E-14	2.37864E-15	5.49655E-15	3.95752E-16
65	571550.55	4177958.99	0.55, 41779	0.25539	0.23344	0.22684	100.38932	31.1899	131.18831	12.54867	6.13877	16.39854	3.64E-11	7.54E-09	2.01E-09	1.12E-14	3.39E-14	2.68E-14	6.13E-16	1.48E-14	8.17E-16	1.62396E-14	3.636E-11	7.5358E-09	2.01125E-09	1.14756E-14	2.47873E-15	5.72784E-15	4.12405E-16
66	571590.55	4177958.99	0.55, 41779	0.26174	0.2364	0.25018	103.20811	24.1035	113.64553	12.90101	5.55119	14.20569	3.72E-11	6.39E-09	2.02E-09	1.15E-14	3.47E-14	2.74E-14	6.28E-16	1.52E-14	8.37E-16	1.66239E-14	3.722E-11	6.3938E-09	2.02155E-09	1.17472E-14	2.53739E-15	5.86339E-15	4.22164E-16
67	570310.55	4177998.99	0.55, 41779	0.08992	0.06909	0.08739	61.55411	26.71644	63.33313	7.69426	4.42886	7.91664	1.13E-11	5.26E-09	1.2E-09	3.49E-15	1.05E-14	8.33E-15	1.91E-16	4.61E-15	2.54E-16	5.05288E-15	1.131E-11	5.2615E-09	1.196E-09	3.57058E-15	7.71245E-16	1.78219E-15	1.28318E-16
68	570350.55	4177998.99	0.55, 41779	0.09687	0.07551	0.09431	63.16088	27.72336	68.96816	7.89511	4.52605	8.62102	1.23E-11	5.51E-09	1.24E-09	3.8E-15	1.15E-14	9.07E-15	2.08E-16	5.02E-15	2.77E-16	5.50433E-15	1.232E-11	5.5064E-09	1.23588E-09	3.8896E-15	8.40153E-16	1.94142E-15	1.39782E-16
69	570390.55	4177998.99	0.55, 41779	0.10411	0.08268	0.10154	65.18315	28.66629	70.59128	8.14789	4.5901	8.82391	1.34E-11	5.68E-09	1.27E-09	4.15E-15	1.25E-14	9.89E-15	2.27E-16	5.47E-15	3.02E-16	6.00141E-15	1.344E-11	5.6793E-09	1.27418E-09	4.24085E-15	9.16024E-16	2.11674E-15	1.52406E-16
70	570430.55	4177998.99	0.55, 41779	0.11178	0.0909	0.10932	69.77828	29.77159	73.90272	8.72229	4.64595	9.23784	1.47E-11	5.94E-09	1.36E-09	4.53E-15	1.37E-14	1.08E-14	2.48E-16	5.99E-15	3.3E-16	6.56341E-15	1.47E-11	5.9376E-09	1.36038E-09	4.63798E-15	1.0018E-15	2.31497E-15	1.66678E-16
71	570470.55	4177998.99	0.55, 41779	0.11947	0.09994	0.11702	73.23749	30.82615	79.61188	9.15469	4.70414	9.95148	1.61E-11	6.22E-09	1.43E-09	4.95E-15	1.5E-14	1.18E-14	2.71E-16	6.54E-15	3.61E-16	7.17018E-15	1.605E-11	6.2154E-09	1.43227E-09	5.06676E-15	1.09442E-15	2.52898E-15	1.82087E-16
72	570510.55	4177998.99	0.55, 41779	0.12689	0.1096	0.1248	83.36058	31.87471	86.19643	10.42007	5.00665	10.77455	1.75E-11	6.6E-09	1.62E-09	5.4E-15	1.63E-14	1.29E-14	2.95E-16	7.12E-15	3.93E-16	7.81013E-15	1.749E-11	6.6005E-09	1.62063E-09	5.51897E-15	1.1921E-15	2.7547E-15	1.98338E-16
73	570550.55	4177998.99	0.55, 41779	0.1338	0.11968	0.13227	93.92369	33.13511	96.59692	11.74046	5.30601	12.07462	1.9E-11	7.08E-09	1.82E-09	5.85E-15	1.77E-14	1.4E-14	3.2E-16	7.72E-15	4.26E-16	8.46769E-15	1.896E-11	7.0844E-09	1.82485E-09	5.98363E-15	1.29246E-15	2.98662E-15	2.15037E-16
74	570590.55	4177998.99	0.55, 41779	0.14077	0.13095	0.13895	98.98148	34.43475	100.81152	12.37268	5.77536	12.60144	2.06E-11	7.39E-09	1.92E-09	6.35E-15	1.92E-14	1.51E-14	3.47E-16	8.38E-15	4.62E-16	9.18519E-15	2.056E-11	7.3888E-09	1.92097E-09	6.49064E-15	1.40198E-15	3.23969E-15	2.33258E-16
75	570630.55	4177998.99	0.55, 41779	0.14863	0.14246	0.14416	96.29887	35.58815	97.29546	12.03736	6.62596	12.16193	2.22E-11	7.43E-09	1.87E-09	6.85E-15	2.07E-14	1.63E-14	3.74E-16	9.04E-15	4.99E-16	9.91004E-15	2.219E-11	7.4328E-09	1.86721E-09	7.00286E-15	1.51262E-15	3.49535E-15	2.51665E-16
76	570670.55	4177998.99	0.55, 41779	0.15906	0.15417	0.15133	108.0953	37.02771	115.61321	13.51191	7.37805	14.45165	2.39E-11	8.09E-09	2.11E-09	7.38E-15	2.23E-14	1.76E-14	4.03E-16	9.74E-15	5.37E-16	1.06772E-14	2.391E-11	8.0937E-09	2.10985E-09	7.54493E-15	1.6297E-15	3.76592E-15	2.71146E-16
77	570710.55	4177998.99	0.55, 41779	0.17207	0.16581	0.16328	109.21603	39.28347	116.55796	14.39109	8.06843	17.60456	2.57E-11	8.4E-09	2.29E-09	7.94E-15	2.4E-14	1.89E-14	4.34E-16	1.05E-14	5.79E-16	1.14936E-14	2.573E-11	8.4046E-09	2.28564E-09	8.12186E-15	1.75432E-15	4.05388E-15	2.91879E-16
78	570750.55	4177998.99	0.55, 41779	0.18601	0.17706	0.17647	119.66853	46.10023	126.10142	14.95857	8.7788	16.77146	2.75E-11	9.56E-09	2.35E-09	8.5E-15	2.57E-14	2.03E-14	4.64E-16	1.12E-14	6.19E-16	1.23039E-14	2.755E-11	9.5588E-09	2.34919E-09	8.69446E-15	1.878E-15	4.33969E-15	3.12457E-16
79	570790.55	4177998.99	0.55, 41779	0.19953	0.18772	0.18696	122.67556	49.8289	134.57394	15.33445	9.45426	16.82174	2.92E-11	1.02E-08	2.4E-09	9.02E-15	2.72E-14	2.15E-14	4.93E-16	1.19E-14	6.57E-16	1.30581E-14	2.924E-11	1.0209E-08	2.40176E-09	9.22738E-15	1.99311E-15	4.60568E-15	3.31609E-16
80	570830.55	4177998.99	0.55, 41779	0.21109	0.19773	0.1968	133.54261	52.4094	148.58094	16.69283	9.90962	18.57262	3.08E-11	1.09E-08	2.62E-09	9.51E-15	2.87E-14	2.27E-14	5.19E-16	1.25E-14	6.93E-16	1.37591E-14	3.081E-11	1.0923E-08	2.61906E-09	9.72275E-15	2.10011E-15	4.85294E-15	3.49411E-16
81	570870.55	4177998.99	0.55, 41779	0.21804	0.20674	0.20398	131.45449	55.15858	156.57352	16.43181	9.77159	19.57169	3.21E-11	1.14E-08	2.6E-09	9.92E-15	2.99E-14	2.37E-14	5.42E-16	1.31E-14	7.23E-16	1.43556E-14	3.214E-11	1.1373E-08	2.60054E-09	1.01442E-14	2.19116E-15	5.06332E-15	3.64559E-16
82	570910.55	4177998.99	0.55, 41779	0.21803	0.21414	0.20286	148.11273	59.13207	173.84644	18.51409	8.43226	21.73081	3.3E-11	1.24E-08	2.92E-09	1.02E-14	3.08E-14	2.43E-14	5.57E-16	1.35E-14	7.43E-16	1.47554E-14	3.304E-11	1.2397E-08	2.9245E-09	1.04268E-14	2.25218E-15	5.20433E-15	3.74712E-16
83	570950.55	4177998.99	0.55, 41779	0.2114	0.21889	0.19586	140.12444	63.58464	170.21851	21.83562	9.32684	21.27731	3.34E-11	1.28E-08	3.37E-09	1.03E-14	3.11E-14	2.46E-14	5.63E-16	1.36E-14	7.51E-16	1.4922E-14	3.341E-11	1.2773E-08	3.37344E-09	1.05445E-14	2.27762E-15	5.26311E-15	3.78944E-16
84	570990.55	4177998.99	0.55, 41779	0.2013	0.22185	0.19061	171.25011	67.61488	221.4052	25.43318	11.18299	33.45295	3.35E-11	1.46E-08	4.08E-09	1.04E-14	3.13E-14	2.47E-14	5.66E-16	1.37E-14	7.54E-16	1.49818E-14	3.354E-11	1.4595E-08	4.0801E-09	1.05868E-14	2.28675E-15	5.28421E-15	3.80463E-16
85	571030.55	4177998.99	0.55, 41779	0.19301	0.22456	0.1804	161.4506	75.02365	233.40135	21.94671	12.50394	33.34305	3.36E-11	1.56E-08	3.6E-09	1.04E-14	3.13E-14	2.47E-14	5.66E-16	1.37E-14	7.55E-16	1.50006E-14	3.359E-11	1.5583E-08	3.59867E-09	1.06E-14	2.28961E-15	5.29082E-15	3.80939E-16
86	571070.55	4177998.99	0.55, 41779	0.18927	0.22808	0.16676	165.36156	82.48884	231.46597	21.97245	12.95225	28.93325	3.37E-11	1.65E-08	3.53E-09	1.04E-14	3.14E-14	2.48E-14	5.69E-16	1.37E-14	7.58E-16	1.50656E-14	3.373E-11	1.6527E-08	3.52548E-09	1.0646E-14	2.29954E-15	5.31377E-15	3.82592E-16
87	571110.55	4177998.99	0.55, 41779	0.18141	0.21619	0.16049	158.60632	80.72549	237.56536	25.62624	11.81551	29.69982	3.2E-11	1.63E-08	4.04E-09	9.89E-15	2.99E-14	2.36E-14	5.4E-16	1.31E-14	7.2E-16	1.43116E-14	3.204E-11	1.6321E-08	4.04135E-09	1.01132E-14	2.18444E-15	5.0478E-15	3.63442E-16
88	571150.55	4177998.99	0.55, 41779	0.19202	0.23351	0.18032	164.05988	80.42402	231.86209	24.96785	14.13496	37.65816	3.47E-11	1.63E-08	4.09E-09	1.07E-14	3.23E-14	2.55E-14	5.85E-16	1.41E-14	7.8E-16	1.54879E-14	3.468E-11	1.626E-08	4.08928E-09	1.09444E-14	2.364E-15	5.46272E-15	3.93316E-16
89	571190.55	4177998.99	0.55, 41779	0.1978	0.23414	0.17819	182.21875	91.74664	241.78028	26.03125	13.21695	31.92825	3.48E-11	1.81E-08	4.14E-09	1.07E-14	3.24E-14	2.56E-14	5.87E-16	1.42E-14	7.82E-16	1.55421E-14	3.48E-11	1.8085E-08	4.13583E-09	1.09827E-14	2.37227E-15	5.48182E-15	3.94691E-16
90	571230.55	4177998.99	0.55, 41779	0.20367	0.23289	0.17473	172.67663	91.69738	231.55794	22.62496	13.85272	33.07971	3.47E-11	1.78E-08	3.69E-09	1.07E-14	3.23E-14	2.55E-14	5.85E-16	1.41E-14	7.79E-16	1.54827E-14	3.466E-11	1.7768E-08	3.68738E-09	1.09407E-14	2.3632E-15	5.46087E-15	3.93182E-16
91	571270.55	4177998.99	0.55, 41779	0.21358	0.23476	0.18394	171.66845	86.35935	210.57834	21.45856	13.01074	28.58393	3.52E-11	1.67E-08	3.45E-09	1.09E-14	3.28E-14	2.59E-14	5.93E-16	1.43E-14	7.91E-16	1.57191E-14	3.519E-11	1.6729E-08	3.44872E-09	1.11078E-14	2.39929E-15	5.54426E-15	3.99187E-16
92	571310.55	4177998.99	0.55, 41779	0.23025	0.24083	0.19159	171.26207	72.34733	231.62674	21.40776	11.81711	28.95334	3.63E-11	1.54E-08	3.45E-09	1.12E-14	3.38E-14	2.67E-14	6.12E-16	1.48E-14	8.16E-16	1.62174E-14	3.631E-11	1.5358E-08	3.44816E-09	1.14599E-14	2.47533E-15	5.71999E-15	4.1184E-16
93	571350.55	4177998.99	0.55, 41779	0.25373	0.25254	0.198	169.27826	60.68614	249.61103	21.15978	11.13084	31.20138	3.82E-11	1.42E-08	3.45E-09	1.18E-14	3.56E-14	2.81E-14	6.44E-16	1.56E-14	8.59E-16	1.70597E-14	3.82E-11	1.4202E-08	3.45317E-09	1.20551E-14	2.60391E-15	6.01709E-15	4.33231E-16
94	571390.55	4177998.99	0.55, 41779	0.27999	0.26698	0.21185	164.13881	55.69534	253.30621	20.51735	9.69774	31.66328	4.06E-11	1.36E-08	3.37E-09	1.25E-14	3.78E-14	2.99E-14	6.84E-16	1.65E-14	9.13E-16	1.81279E-14	4.059E-11	1.3577E-08	3.37285E-09	1.28099E-14	2.76695E-15	6.39385E-15	4.60357E-16
95	571430.55	4177998.99	0.55, 41779	0.30187	0.27888	0.2328	148.06777	50.74185	217.39094	18.50847	8.30154	27.17387	4.27E-11	1.21E-08	3.02E-09	1.32E-14	3.98E-14	3.14E-14	7.2E-16	1.74E-14	9.61E-16	1.90838E-14	4.273E-11	1.2116E-08	3.01844E-09	1.34854E-14	2.91285E-15	6.731E-15	4.84632E-16
96	571470.55	4177998.99	0.55, 41779	0.32222	0.29016	0.268	133.22849	41.8567	195.88733	16.65356	8.00082	24.48592	4.5E-11	1.04E-08	2.72E-09	1.39E-14	4.19E-14	3.31E-14	7.59E-16	1.83E-14	1.01E-15	2.01067E-14	4.502E-11	1.0437E-08	2.71655E-09	1.42082E-14	3.06898E-15	7.09178E-15	5.10608E-16
97	571510.55	4177998.99	0.55, 41779	0.33311	0.29527	0.30394	113.25391	33.39085	138.27651	14.15674	7.16119	17.28456	4.64E-11	8.11E-09	2.25E-09	1.43E-14	4.33E-14	3.42E-14	7.83E-16	1.89E-14	1.04E-15	2.07358E-14	4.643E-11	8.1103E-09	2.24784E-09	1.46528E-14	3.16501E-15	7.31369E-15	5.26586E-16
98	571550.55	4177998.99	0.55, 41779	0.33431	0.29408	0.33024	118.79132	25.19774	142.42424	14.84891	6.75336	17.80303	4.68E-11	7.25E-09	2.35E-09	1.44E-14	4.36E-14	3.44E-14	7.88E-16	1.9E-14	1.05E-15	2.0882E-14	4.675E-11	7.2468E-09	2.35206E-09	1.47561E-14	3.18732E-15	7.36524E-15	5.30297E-16
99	571590.55	4177998.99	0.55, 41779	0.32897	0.28857	0.34209	117.12124	19.87515	150.29933	14.64016	6.7762	18.78742	4.62E-11	6.7E-09	2.34E-09	1.43E-14	4.3E-14	3.4E-14	7.79E-16	1.88E-14	1.04E-15	2.06367E-14	4.62E-11	6.7026E-09	2.34048E-09	1.45827E-14	3.14987E-15	7.27871E-15	5.24067E-16
100	570310.55	4178038.99	0.55, 41780	0.09395	0.07118	0.09114	60.38117	27.45867	68.75884	7.54765	4.57644	8.59485	1.17E-11	5.43E-09	1.19E-09	3.61E-15	1.09E-14	8.61E-15	1.97E-16	4.76E-15	2.63E-16	5.22247E-15	1.169E-11	5.4313E-09	1.18764E-09	3.69042E-15	7.97131E-16	1.84201E-15	1.32625E-16
101	570350.55	4178038.99	0.55, 41780	0.10181	0.07823	0.09867	67.40685	28.30867	69.9761	8.42586	4.71811	8.74701	1.28E-11	5.66E-09	1.31E-09	3.95E-15	1.19E-14	9.42E-15	2.16E-16	5.22E-15	2.88E-16	5.71911E-15	1.28E-11	5.6554E-09	1.31107E-09	4.04137E-15	8.72935E-16	2.01718E-15	1.45237E-16
102	570390.55	4178038.99	0.55, 41780	0.11033	0.08626	0.10708	70.86935	29.39362	77.00767	8.85867	4.86131	9.62596	1.41E-11	5.96E-09	1.39E-09	4.34E-15	1.31E-14	1.03E-14	2.37E-16	5.73E-15	3.16E-16	6.2808E-15	1.406E-11	5.9601E-09	1.38589E-09	4.43828E-15	9.58669E-16	2.21529E-15	1.59501E-16
103	570430.55	4178038.99	0.55, 41780	0.11935	0.09539	0.11615	72.77771	30.53752	78.92837	9.09721	4.99157	9.86605	1.55E-11	6.16E-09	1.42E-09	4.78E-15	1.44E-14	1.14E-14	2.61E-16	6.3E-15	3.48E-16	6.91146E-15	1.547E-11	6.1614E-09	1.42288E-09	4.88393E-15	1.05493E-15	2.43773E-15	1.75516E-16
104	570470.55	4178038.99	0.55, 41780	0.12876	0.10583	0.1256	77.88414	31.78332	83.40463	9.73552	5.12346	10.42558	1.71E-11	6.46E-09	1.52E-09	5.26E-15	1.59E-14	1.26E-14	2.88E-16	6.95E-15	3.84E-16	7.61983E-15	1.706E-11	6.4644E-09	1.52041E-09	5.38449E-15	1.16305E-15	2.68757E-15	1.93505E-16
105	570510.55	4178038.99	0.55, 41780	0.13797	0.11733	0.13491	81.61557	33.05226	90.60057	10.20195	5.27698	11.32507	1.88E-11	6.8E-09	1.6E-09	5.79E-15	1.75E-14	1.38E-14	3.17E-16	7.65E-15	4.22E-16	8.38439E-15	1.877E-11	6.7984E-09	1.60021E-09	5.92477E-15	1.27975E-15	2.95724E-15	2.12921E-16
106	570550.55	4178038.99	0.55, 41780	0.14677	0.12979	0.14418	83.22783	34.40977	92.92473	10.40348	5.64664	11.61559	2.06E-11	7.03E-09	1.63E-09	6.36E-15	1.92E-14	1.52E-14	3.47E-16	8.39E-15	4.63E-16	9.19909E-15	2.06E-11	7.0291E-09	1.63298E-09	6.50047E-15	1.4041E-15	3.24459E-15	2.33611E-16
107	570590.55	4178038.99	0.55, 41780	0.15543	0.14397	0.15331	100.7883	35.81672	104.85134	12.59854	6.05306	13.10642	2.26E-11	7.66E-09	1.96E-09	6.98E-15	2.11E-14	1.67E-14	3.82E-16	9.22E-15	5.09E-16	1.01068E-14	2.263E-11	7.655E-09	1.96082E-09	7.1419E-15	1.54265E-15	3.56475E-15	2.56662E-16
108	570630.55	4178038.99	0.55, 41780	0.16446	0.15887	0.16086	114.63184	37.47906	118.86748	14.32898	6.85921	14.85844	2.47E-11	8.3E-09	2.23E-09	7.63E-15	2.3E-14	1.82E-14	4.17E-16	1.01E-14	5.56E-16	1.10443E-14	2.473E-11	8.2971E-09	2.22931E-09	7.80437E-15	1.68574E-15	3.89541E-15	2.80469E-16
109	570670.55	4178038.99	0.55, 41780	0.17604	0.17458	0.16859	120.19022	39.09251	122.97013	15.02378	7.81169	15.37127	2.7E-11	8.65E-09	2.33E-09	8.32E-15	2.51E-14	1.98E-14	4.55E-16	1.1E-14	6.06E-16	1.20437E-14	2.697E-11	8.6453E-09	2.33379E-09	8.51063E-15	1.8383E-15	4.24793E-15	3.05851E-16
110	570710.55	4178038.99	0.55, 41780	0.19156	0.191	0.18153	122.05191	40.81454	130.55962	15.86896	8.63568	17.88475	2.94E-11	9.02E-09	2.49E-09	9.08E-15	2.74E-14	2.17E-14	4.96E-16	1.2E-14	6.62E-16	1.31474E-14	2.944E-11	9.0162E-09	2.49377E-09	9.29051E-15	2.00675E-15	4.63719E-15	3.33878E-16
111	570750.55	4178038.99	0.55, 41780	0.2105	0.20761	0.19902	132.53323	47.68084	144.79481	16.56665	9.43658	19.64627	3.21E-11	1.03E-08	2.62E-09	9.89E-15	2.99E-14	2.36E-14	5.41E-16	1.31E-14	7.21E-16	1.43182E-14	3.206E-11	1.0259E-08	2.62038E-09	1.01178E-14	2.18545E-15	5.05013E-15	3.63609E-16
112	570790.55	4178038.99	0.55, 41780	0.23169	0.22417	0.21523	139.552	52.7884	147.64201	17.444	10.33029	19.40572	3.47E-11	1.1E-08	2.74E-09	1.07E-14	3.23E-14	2.55E-14	5.85E-16	1.41E-14	7.8E-16	1.54902E-14	3.468E-11	1.1037E-08	2.73687E-09	1.0946E-14	2.36435E-15	5.46352E-15	3.93373E-16
113	570830.55	4178038.99	0.55, 41780	0.25382	0.24067	0.23208	145.24751	55.81087	161.73262	18.15594	11.28689	20.21658	3.73E-11	1.17E-08	2.85E-09	1.15E-14	3.48E-14	2.75E-14	6.29E-16	1.52E-14	8.39E-16	1.66698E-14	3.732E-11	1.1735E-08	2.84889E-09	1.17796E-14	2.54439E-15	5.87956E-15	4.23328E-16
114	570870.55	4178038.99	0.55, 41780	0.27385	0.25672	0.25028	159.27674	59.06353	181.66903	19.90959	12.04587	22.70863	3.99E-11	1.27E-08	3.13E-09	1.23E-14	3.72E-14	2.94E-14	6.73E-16	1.63E-14	8.97E-16	1.78219E-14	3.99E-11	1.268E-08	3.13345E-09	1.25937E-14	2.72024E-15	6.28593E-15	4.52587E-16
115	570910.55	4178038.99	0.55, 41780	0.28498	0.272	0.26185	154.31681	63.03506	190.144	19.2896	11.80173	23.768	4.21E-11	1.32E-08	3.07E-09	1.3E-14	3.93E-14	3.1E-14	7.11E-16	1.72E-14	9.48E-16	1.88247E-14	4.215E-11	1.3249E-08	3.06661E-09	1.33023E-14	2.8733E-15	6.63961E-15	4.78052E-16
116	570950.55	4178038.99	0.55, 41780	0.28313	0.28254	0.2606	178.15221	69.82475	214.80591	22.26903	10.41815	26.85074	4.34E-11	1.48E-08	3.53E-09	1.34E-14	4.04E-14	3.19E-14	7.32E-16	1.77E-14	9.76E-16	1.93854E-14	4.34E-11	1.4849E-08	3.53003E-09	1.36985E-14	2.95889E-15	6.83738E-15	4.92291E-16
117	570990.55	4178038.99	0.55, 41780	0.27042	0.28832	0.24711	188.87787	74.10995	223.28286	29.14051	12.35166	34.29706	4.37E-11	1.57E-08	4.6E-09	1.35E-14	4.07E-14	3.22E-14	7.37E-16	1.78E-14	9.83E-16	1.95206E-14	4.371E-11	1.5676E-08	4.60469E-09	1.37941E-14	2.97953E-15	6.88509E-15	4.95726E-16
118	571030.55	4178038.99	0.55, 41780	0.25749	0.29249	0.23391	188.96663	83.29257	277.8919	26.99523	13.88209	39.69884	4.38E-11	1.78E-08	4.4E-09	1.35E-14	4.08E-14	3.22E-14	7.39E-16	1.78E-14	9.85E-16	1.95679E-14	4.381E-11	1.7762E-08	4.40363E-09	1.38275E-14	2.98674E-15	6.90176E-15	4.96926E-16
119	571070.55	4178038.99	0.55, 41780	0.25163	0.29646	0.21613	192.59035	92.57991	271.23553	26.01862	14.40126	34.27332	4.39E-11	1.88E-08	4.17E-09	1.36E-14	4.09E-14	3.23E-14	7.4E-16	1.79E-14	9.87E-16	1.96125E-14	4.391E-11	1.8845E-08	4.1749E-09	1.3859E-14	2.99355E-15	6.91748E-15	4.98058E-16
120	571110.55	4178038.99	0.55, 41780	0.23996	0.28057	0.20816	179.79911	89.13384	295.00102	29.33997	15.522	36.88643	4.16E-11	1.87E-08	4.68E-09	1.29E-14	3.88E-14	3.07E-14	7.02E-16	1.7E-14	9.36E-16	1.86007E-14	4.165E-11	1.8654E-08	4.67718E-09	1.3144E-14	2.83911E-15	6.5606E-15	4.72363E-16
121	571150.55	4178038.99	0.55, 41780	0.25767	0.30302	0.23363	202.30498	100.11261	284.90591	28.90071	16.95197	47.48432	4.51E-11	2.01E-08	4.8E-09	1.39E-14	4.2E-14	3.32E-14	7.61E-16	1.84E-14	1.01E-15	2.01482E-14	4.511E-11	2.0149E-08	4.80117E-09	1.42376E-14	3.07532E-15	7.10644E-15	5.11664E-16
122	571190.55	4178038.99	0.55, 41780	0.27122	0.30641	0.22867	194.68377	101.89225	297.80862	27.81197	16.7188	37.22608	4.56E-11	2.05E-08	4.47E-09	1.41E-14	4.25E-14	3.36E-14	7.69E-16	1.86E-14	1.03E-15	2.03811E-14	4.563E-11	2.0488E-08	4.47293E-09	1.44022E-14	3.11087E-15	7.18858E-15	5.17578E-16
123	571230.55	4178038.99	0.55, 41780	0.28804	0.31092	0.2326	196.84209	99.06119	294.63263	24.60526	16.26482	42.09038	4.65E-11	2.01E-08	4.12E-09	1.43E-14	4.33E-14	3.42E-14	7.84E-16	1.89E-14	1.05E-15	2.07652E-14	4.649E-11	2.0113E-08	4.11653E-09	1.46736E-14	3.1695E-15	7.32406E-15	5.27332E-16
124	571270.55	4178038.99	0.55, 41780	0.31661	0.32283	0.24843	191.8709	85.51951	280.99547	23.98386	14.63938	35.12443	4.86E-11	1.81E-08	3.91E-09	1.5E-14	4.53E-14	3.58E-14	8.2E-16	1.98E-14	1.09E-15	2.17235E-14	4.864E-11	1.8132E-08	3.90985E-09	1.53507E-14	3.31576E-15	7.66204E-15	5.51667E-16
125	571310.55	4178038.99	0.55, 41780	0.35598	0.34149	0.26147	189.38373	68.10225	290.04443	23.67297	13.72977	36.25555	5.17E-11	1.61E-08	3.89E-09	1.6E-14	4.82E-14	3.81E-14	8.72E-16	2.11E-14	1.16E-15	2.30999E-14	5.172E-11	1.6102E-08	3.88678E-09	1.63233E-14	3.52584E-15	8.1475E-15	5.8662E-16
126	571350.55	4178038.99	0.55, 41780	0.39399	0.35989	0.2835	182.95784	62.01914	299.45287	22.86973	11.81322	37.43161	5.49E-11	1.54E-08	3.8E-09	1.69E-14	5.12E-14	4.04E-14	9.26E-16	2.24E-14	1.23E-15	2.45233E-14	5.491E-11	1.5424E-08	3.79677E-09	1.73292E-14	3.74311E-15	8.64957E-15	6.22769E-16
127	571390.55	4178038.99	0.55, 41780	0.4222	0.3733	0.32107	164.47464	56.17724	258.72398	20.55933	10.13431	32.3405	5.76E-11	1.37E-08	3.39E-09	1.78E-14	5.37E-14	4.24E-14	9.71E-16	2.35E-14	1.3E-15	2.57311E-14	5.761E-11	1.3736E-08	3.39041E-09	1.81827E-14	3.92746E-15	9.07556E-15	6.5344E-16
128	571430.55	4178038.99	0.55, 41780	0.44026	0.38105	0.3744	146.31006	45.8458	221.86738	18.28876	9.60517	27.73342	5.97E-11	1.16E-08	3E-09	1.84E-14	5.57E-14	4.4E-14	1.01E-15	2.43E-14	1.34E-15	2.66857E-14	5.975E-11	1.1565E-08	2.99796E-09	1.88573E-14	4.07317E-15	9.41227E-15	6.77684E-16
129	571470.55	4178038.99	0.55, 41780	0.44344	0.3799	0.42037	134.05635	35.96521	154.66668	16.75704	8.42199	19.33334	6.04E-11	9E-09	2.64E-09	1.87E-14	5.63E-14	4.45E-14	1.02E-15	2.46E-14	1.36E-15	2.69993E-14	6.045E-11	9.0033E-09	2.64112E-09	1.90789E-14	4.12103E-15	9.52286E-15	6.85646E-16
130	571510.55	4178038.99	0.55, 41780	0.43369	0.37075	0.44522	135.2804	26.4112	176.84451	16.91005	8.14543	22.10556	5.96E-11	8.23E-09	2.71E-09	1.84E-14	5.55E-14	4.39E-14	1.01E-15	2.43E-14	1.34E-15	2.66266E-14	5.962E-11	8.2252E-09	2.71041E-09	1.88155E-14	4.06415E-15	9.39142E-15	6.76182E-16
131	571550.55	4178038.99	0.55, 41780	0.4157	0.35641	0.44493	128.00174	25.24959	172.96462	16.00022	7.84928	21.62058	5.76E-11	7.91E-09	2.58E-09	1.78E-14	5.37E-14	4.24E-14	9.71E-16	2.35E-14	1.29E-15	2.57208E-14	5.759E-11	7.9128E-09	2.57683E-09	1.81754E-14	3.92588E-15	9.07192E-15	6.53178E-16
132	571590.55	4178038.99	0.55, 41780	0.38889	0.33646	0.4222	114.21376	28.264	151.26331	14.27672	7.21894	18.90791	5.44E-11	7.72E-09	2.29E-09	1.68E-14	5.06E-14	4E-14	9.16E-16	2.21E-14	1.22E-15	2.42759E-14	5.435E-11	7.7159E-09	2.29259E-09	1.71544E-14	3.70535E-15	8.56231E-15	6.16486E-16
133	570310.55	4178078.99	0.55, 41780	0.09792	0.07296	0.09477	71.40728	28.01469	77.09789	8.92591	4.66912	9.63724	1.2E-11	5.8E-09	1.4E-09	3.71E-15	1.12E-14	8.85E-15	2.03E-16	4.9E-15	2.7E-16	5.37364E-15	1.203E-11	5.7987E-09	1.39534E-09	3.79725E-15	8.20205E-16	1.89533E-15	1.36464E-16
134	570350.55	4178078.99	0.55, 41780	0.1067	0.08065	0.10312	70.03301	29.10671	80.22931	8.75413	4.85112	10.02866	1.32E-11	5.97E-09	1.38E-09	4.09E-15	1.23E-14	9.75E-15	2.23E-16	5.4E-15	2.98E-16	5.91771E-15	1.325E-11	5.969E-09	1.37852E-09	4.18171E-15	9.03249E-16	2.08722E-15	1.5028E-16
135	570390.55	4178078.99	0.55, 41780	0.11641	0.08948	0.11242	73.93226	30.15719	77.81828	9.24153	5.0262	9.72728	1.46E-11	6.11E-09	1.44E-09	4.52E-15	1.36E-14	1.08E-14	2.47E-16	5.96E-15	3.29E-16	6.53789E-15	1.464E-11	6.1112E-09	1.44031E-09	4.61995E-15	9.97909E-16	2.30596E-15	1.66029E-16
136	570430.55	4178078.99	0.55, 41780	0.12715	0.09969	0.12302	79.99098	31.34254	86.52141	9.99887	5.20891	10.81518	1.62E-11	6.49E-09	1.56E-09	5.01E-15	1.51E-14	1.19E-14	2.74E-16	6.61E-15	3.65E-16	7.25076E-15	1.623E-11	6.4935E-09	1.5634E-09	5.1237E-15	1.10672E-15	2.5574E-15	1.84133E-16
137	570470.55	4178078.99	0.55, 41780	0.13857	0.11144	0.13449	81.53824	32.65768	88.86509	10.19228	5.39019	11.10814	1.8E-11	6.72E-09	1.6E-09	5.57E-15	1.68E-14	1.33E-14	3.04E-16	7.35E-15	4.06E-16	8.05965E-15	1.804E-11	6.7184E-09	1.5951E-09	5.69529E-15	1.23018E-15	2.8427E-15	2.04675E-16
138	570510.55	4178078.99	0.55, 41780	0.15049	0.12507	0.14657	87.75299	34.11951	95.20757	10.96912	5.60116	11.90095	2.01E-11	7.1E-09	1.72E-09	6.2E-15	1.87E-14	1.48E-14	3.39E-16	8.19E-15	4.52E-16	8.98019E-15	2.011E-11	7.096E-09	1.71574E-09	6.34579E-15	1.37069E-15	3.16739E-15	2.28052E-16
139	570550.55	4178078.99	0.55, 41780	0.16198	0.14034	0.1583	91.64015	35.64897	104.22382	11.45502	5.99366	13.02798	2.24E-11	7.5E-09	1.8E-09	6.9E-15	2.08E-14	1.65E-14	3.77E-16	9.11E-15	5.03E-16	9.98589E-15	2.236E-11	7.496E-09	1.80218E-09	7.05645E-15	1.52419E-15	3.5221E-15	2.53591E-16
140	570590.55	4178078.99	0.55, 41780	0.17272	0.15744	0.16968	88.35639	37.38874	105.88084	11.57204	6.46071	13.23511	2.48E-11	7.69E-09	1.82E-09	7.66E-15	2.31E-14	1.83E-14	4.18E-16	1.01E-14	5.58E-16	1.10852E-14	2.482E-11	7.6942E-09	1.82188E-09	7.83333E-15	1.69199E-15	3.90985E-15	2.81509E-16
141	570630.55	4178078.99	0.55, 41780	0.1831	0.1763	0.17984	101.08083	39.23196	114.54818	12.6351	7.02353	14.31852	2.75E-11	8.25E-09	1.99E-09	8.48E-15	2.56E-14	2.02E-14	4.63E-16	1.12E-14	6.18E-16	1.227E-14	2.747E-11	8.25E-09	1.98694E-09	8.67054E-15	1.87284E-15	4.32774E-15	3.11597E-16
142	570670.55	4178078.99	0.55, 41780	0.19537	0.19687	0.18849	125.63761	41.20021	131.91916	15.7047	8.22231	16.4899	3.03E-11	9.14E-09	2.45E-09	9.36E-15	2.83E-14	2.23E-14	5.12E-16	1.24E-14	6.82E-16	1.35493E-14	3.034E-11	9.1374E-09	2.44691E-09	9.5745E-15	2.06809E-15	4.77894E-15	3.44083E-16
143	570710.55	4178078.99	0.55, 41780	0.21241	0.21933	0.20096	144.38379	43.29239	151.59141	18.04797	9.29195	18.94893	3.36E-11	1E-08	2.81E-09	1.04E-14	3.13E-14	2.47E-14	5.66E-16	1.37E-14	7.55E-16	1.49922E-14	3.357E-11	9.9993E-09	2.81199E-09	1.05941E-14	2.28833E-15	5.28787E-15	3.80727E-16
144	570750.55	4178078.99	0.55, 41780	0.23537	0.24332	0.2221	149.96792	48.92505	154.1756	18.74599	10.23	23.04389	3.72E-11	1.08E-08	2.98E-09	1.15E-14	3.47E-14	2.74E-14	6.28E-16	1.52E-14	8.37E-16	1.66238E-14	3.722E-11	1.0818E-08	2.97924E-09	1.17471E-14	2.53737E-15	5.86335E-15	4.22161E-16
145	570790.55	4178078.99	0.55, 41780	0.26445	0.26867	0.24585	159.48841	56.15329	178.05216	19.93605	11.24377	22.79466	4.12E-11	1.23E-08	3.14E-09	1.27E-14	3.84E-14	3.03E-14	6.94E-16	1.68E-14	9.26E-16	1.83888E-14	4.117E-11	1.226E-08	3.13858E-09	1.29943E-14	2.80677E-15	6.48588E-15	4.66983E-16
146	570830.55	4178078.99	0.55, 41780	0.30001	0.29551	0.27029	164.85959	59.75168	177.78875	20.60745	12.43332	22.22359	4.54E-11	1.28E-08	3.22E-09	1.4E-14	4.23E-14	3.34E-14	7.66E-16	1.85E-14	1.02E-15	2.02818E-14	4.541E-11	1.2775E-08	3.22099E-09	1.4332E-14	3.0957E-15	7.15354E-15	5.15055E-16
147	570870.55	4178078.99	0.55, 41780	0.34051	0.32416	0.30185	178.96906	63.85658	203.22306	22.37113	13.91568	25.40288	5.01E-11	1.39E-08	3.52E-09	1.54E-14	4.66E-14	3.68E-14	8.44E-16	2.04E-14	1.13E-15	2.23607E-14	5.006E-11	1.3921E-08	3.51888E-09	1.5801E-14	3.41302E-15	7.88679E-15	5.67849E-16
148	570910.55	4178078.99	0.55, 41780	0.37529	0.35313	0.33459	192.82824	68.49057	229.7632	24.10353	15.26079	28.7204	5.47E-11	1.51E-08	3.81E-09	1.69E-14	5.1E-14	4.03E-14	9.22E-16	2.23E-14	1.23E-15	2.44309E-14	5.47E-11	1.5149E-08	3.81488E-09	1.72639E-14	3.729E-15	8.61696E-15	6.20421E-16
149	570950.55	4178078.99	0.55, 41780	0.39192	0.37725	0.35493	199.56835	75.56845	241.42387	26.9715	14.65967	30.17798	5.83E-11	1.63E-08	4.23E-09	1.8E-14	5.43E-14	4.29E-14	9.82E-16	2.37E-14	1.31E-15	2.60241E-14	5.827E-11	1.6321E-08	4.23469E-09	1.83897E-14	3.97218E-15	9.17889E-15	6.6088E-16
150	570990.55	4178078.99	0.55, 41780	0.38624	0.39167	0.34038	209.52907	83.72546	270.89556	31.32288	13.79848	33.86195	5.97E-11	1.8E-08	4.9E-09	1.84E-14	5.56E-14	4.39E-14	1.01E-15	2.43E-14	1.34E-15	2.66718E-14	5.972E-11	1.798E-08	4.89727E-09	1.88475E-14	4.07105E-15	9.40737E-15	6.7733E-16
151	571030.55	4178078.99	0.55, 41780	0.36706	0.40059	0.31708	238.62537	94.19927	346.28961	34.73297	15.69988	52.33117	6.01E-11	2.1E-08	5.69E-09	1.86E-14	5.6E-14	4.43E-14	1.01E-15	2.45E-14	1.35E-15	2.6864E-14	6.015E-11	2.0992E-08	5.68766E-09	1.89832E-14	4.10038E-15	9.47514E-15	6.8221E-16
152	571070.55	4178078.99	0.55, 41780	0.35702	0.41066	0.29659	228.92087	105.90077	368.47625	31.45005	16.61116	46.05953	6.09E-11	2.27E-08	5.13E-09	1.88E-14	5.67E-14	4.48E-14	1.03E-15	2.48E-14	1.37E-15	2.71983E-14	6.09E-11	2.2689E-08	5.12701E-09	1.92195E-14	4.15141E-15	9.59306E-15	6.907E-16
153	571110.55	4178078.99	0.55, 41780	0.35812	0.41418	0.29542	212.64364	104.08221	374.64105	34.6648	20.98986	46.90606	6.13E-11	2.23E-08	5.58E-09	1.89E-14	5.71E-14	4.51E-14	1.03E-15	2.5E-14	1.38E-15	2.73904E-14	6.133E-11	2.2345E-08	5.58388E-09	1.93552E-14	4.18073E-15	9.66081E-15	6.95579E-16
154	571150.55	4178078.99	0.55, 41780	0.37758	0.42317	0.31748	239.48451	117.47672	371.65504	34.21207	20.38272	60.67868	6.31E-11	2.43E-08	5.76E-09	1.95E-14	5.88E-14	4.64E-14	1.06E-15	2.57E-14	1.42E-15	2.81792E-14	6.309E-11	2.4323E-08	5.76127E-09	1.99126E-14	4.30113E-15	9.93903E-15	7.1561E-16
155	571190.55	4178078.99	0.55, 41780	0.41277	0.43447	0.31013	228.77572	115.09155	359.73847	28.66724	20.67403	44.96731	6.49E-11	2.37E-08	4.73E-09	2E-14	6.04E-14	4.77E-14	1.09E-15	2.64E-14	1.46E-15	2.89648E-14	6.485E-11	2.3672E-08	4.72526E-09	2.04677E-14	4.42103E-15	1.02161E-14	7.3556E-16
156	571230.55	4178078.99	0.55, 41780	0.46673	0.45732	0.33128	219.54291	100.98995	305.404	27.44286	18.56894	43.62914	6.88E-11	2.09E-08	4.53E-09	2.12E-14	6.41E-14	5.06E-14	1.16E-15	2.8E-14	1.55E-15	3.07262E-14	6.879E-11	2.0854E-08	4.53358E-09	2.17125E-14	4.68989E-15	1.08374E-14	7.80292E-16
157	571270.55	4178078.99	0.55, 41780	0.53318	0.48578	0.3586	215.1929	81.06645	332.5769	26.89911	17.27973	41.57211	7.37E-11	1.88E-08	4.42E-09	2.27E-14	6.87E-14	5.43E-14	1.24E-15	3E-14	1.66E-15	3.29231E-14	7.371E-11	1.8804E-08	4.423E-09	2.32648E-14	5.02521E-15	1.16122E-14	8.3608E-16
158	571310.55	4178078.99	0.55, 41780	0.58671	0.50689	0.39805	205.97464	69.75551	363.05687	25.74683	14.70822	45.38211	7.78E-11	1.78E-08	4.33E-09	2.4E-14	7.24E-14	5.72E-14	1.31E-15	3.17E-14	1.75E-15	3.4728E-14	7.775E-11	1.7808E-08	4.33082E-09	2.45403E-14	5.3007E-15	1.22488E-14	8.81917E-16
159	571350.55	4178078.99	0.55, 41780	0.61439	0.51569	0.46686	184.46358	62.8789	316.33591	23.05795	12.5762	39.54199	8.04E-11	1.58E-08	3.86E-09	2.48E-14	7.49E-14	5.92E-14	1.36E-15	3.28E-14	1.81E-15	3.59208E-14	8.042E-11	1.5845E-08	3.85937E-09	2.53831E-14	5.48276E-15	1.26695E-14	9.12207E-16
160	571390.55	4178078.99	0.55, 41780	0.61879	0.51229	0.54521	162.6235	50.78632	251.98298	20.32794	11.67282	31.49787	8.14E-11	1.29E-08	3.34E-09	2.51E-14	7.59E-14	5.99E-14	1.37E-15	3.32E-14	1.83E-15	3.63693E-14	8.143E-11	1.2926E-08	3.34392E-09	2.57001E-14	5.55123E-15	1.28277E-14	9.23598E-16
161	571430.55	4178078.99	0.55, 41780	0.60477	0.49855	0.60294	157.24404	39.05995	207.2573	19.65551	9.99401	25.90716	8.05E-11	1.06E-08	3.15E-09	2.49E-14	7.5E-14	5.93E-14	1.36E-15	3.28E-14	1.81E-15	3.59722E-14	8.054E-11	1.0624E-08	3.15416E-09	2.54195E-14	5.49061E-15	1.26877E-14	9.13513E-16
162	571470.55	4178078.99	0.55, 41780	0.57311	0.47467	0.61341	152.07991	30.59352	215.52596	19.00999	9.68796	26.94074	7.73E-11	9.65E-09	3.08E-09	2.39E-14	7.2E-14	5.69E-14	1.3E-15	3.15E-14	1.74E-15	3.45383E-14	7.733E-11	9.6492E-09	3.08336E-09	2.44062E-14	5.27174E-15	1.21819E-14	8.77098E-16
163	571510.55	4178078.99	0.55, 41780	0.53465	0.44658	0.58613	137.55383	33.88214	191.36045	17.19423	8.95455	23.92006	7.28E-11	9.43E-09	2.78E-09	2.25E-14	6.79E-14	5.36E-14	1.23E-15	2.97E-14	1.64E-15	3.25362E-14	7.285E-11	9.433E-09	2.78107E-09	2.29915E-14	4.96616E-15	1.14758E-14	8.26256E-16
164	571550.55	4178078.99	0.55, 41780	0.48548	0.41212	0.53241	120.13532	36.07438	157.49519	15.01691	7.90342	19.6869	6.7E-11	8.87E-09	2.41E-09	2.07E-14	6.24E-14	4.93E-14	1.13E-15	2.73E-14	1.51E-15	2.99104E-14	6.697E-11	8.8722E-09	2.40794E-09	2.11359E-14	4.56536E-15	1.05496E-14	7.59573E-16
165	571590.55	4178078.99	0.55, 41780	0.43445	0.37558	0.47142	108.95419	37.19094	141.55637	13.61927	6.74143	17.69455	6.07E-11	8.58E-09	2.18E-09	1.87E-14	5.65E-14	4.47E-14	1.02E-15	2.47E-14	1.36E-15	2.71016E-14	6.068E-11	8.5773E-09	2.18105E-09	1.91512E-14	4.13665E-15	9.55896E-15	6.88245E-16
166	570310.55	4178118.99	0.55, 41781	0.10149	0.07442	0.09774	69.0748	28.05035	78.28908	8.63435	4.67506	9.78613	1.23E-11	5.79E-09	1.36E-09	3.8E-15	1.15E-14	9.06E-15	2.08E-16	5.02E-15	2.77E-16	5.49953E-15	1.231E-11	5.7913E-09	1.35783E-09	3.8862E-15	8.3942E-16	1.93973E-15	1.3966E-16
167	570350.55	4178118.99	0.55, 41781	0.11138	0.08273	0.10725	79.07973	29.62524	82.98136	9.88497	4.93754	10.37267	1.36E-11	6.21E-09	1.54E-09	4.21E-15	1.27E-14	1E-14	2.3E-16	5.56E-15	3.07E-16	6.09375E-15	1.364E-11	6.2069E-09	1.54004E-09	4.3061E-15	9.30118E-16	2.14931E-15	1.54751E-16
168	570390.55	4178118.99	0.55, 41781	0.12249	0.09237	0.11775	81.81771	30.97041	92.38822	10.22721	5.16174	11.54853	1.52E-11	6.58E-09	1.61E-09	4.68E-15	1.41E-14	1.12E-14	2.56E-16	6.18E-15	3.41E-16	6.77668E-15	1.517E-11	6.575E-09	1.60757E-09	4.78869E-15	1.03436E-15	2.39019E-15	1.72093E-16
169	570430.55	4178118.99	0.55, 41781	0.13492	0.10362	0.12964	81.48606	32.23138	89.13007	10.18576	5.3719	11.14126	1.69E-11	6.67E-09	1.59E-09	5.23E-15	1.58E-14	1.25E-14	2.86E-16	6.9E-15	3.81E-16	7.56751E-15	1.694E-11	6.6696E-09	1.59478E-09	5.34752E-15	1.15506E-15	2.66912E-15	1.92177E-16
170	570470.55	4178118.99	0.55, 41781	0.14882	0.11683	0.14311	90.82614	33.6686	97.62505	11.35327	5.5932	12.20313	1.9E-11	7.13E-09	1.77E-09	5.86E-15	1.77E-14	1.4E-14	3.2E-16	7.74E-15	4.27E-16	8.48797E-15	1.9E-11	7.1251E-09	1.77384E-09	5.99796E-15	1.29556E-15	2.99377E-15	2.15552E-16
171	570510.55	4178118.99	0.55, 41781	0.16361	0.13228	0.15796	92.34034	35.20886	102.68913	11.54254	5.82093	12.83614	2.14E-11	7.42E-09	1.81E-09	6.6E-15	1.99E-14	1.57E-14	3.6E-16	8.71E-15	4.81E-16	9.54837E-15	2.138E-11	7.4247E-09	1.81088E-09	6.74728E-15	1.45741E-15	3.36779E-15	2.42481E-16
172	570550.55	4178118.99	0.55, 41781	0.17911	0.1505	0.17388	100.11195	36.92243	110.21215	12.51399	6.33987	13.77652	2.41E-11	7.88E-09	1.96E-09	7.44E-15	2.25E-14	1.78E-14	4.07E-16	9.83E-15	5.42E-16	1.07744E-14	2.412E-11	7.8756E-09	1.96086E-09	7.61368E-15	1.64455E-15	3.80023E-15	2.73616E-16
173	570590.55	4178118.99	0.55, 41781	0.19374	0.17125	0.18923	103.74737	38.76233	121.67682	12.96842	6.89651	15.2096	2.72E-11	8.35E-09	2.05E-09	8.38E-15	2.53E-14	2E-14	4.58E-16	1.11E-14	6.11E-16	1.21304E-14	2.716E-11	8.3531E-09	2.04829E-09	8.57182E-15	1.85151E-15	4.27847E-15	3.0805E-16
174	570630.55	4178118.99	0.55, 41781	0.2069	0.19483	0.20326	104.63966	41.01094	121.05227	13.84797	7.49161	15.13153	3.05E-11	8.63E-09	2.17E-09	9.41E-15	2.84E-14	2.24E-14	5.14E-16	1.24E-14	6.86E-16	1.36231E-14	3.05E-11	8.6326E-09	2.16791E-09	9.62668E-15	2.07936E-15	4.80498E-15	3.45959E-16
175	570670.55	4178118.99	0.55, 41781	0.21998	0.22122	0.21442	115.58367	43.51142	138.36153	15.0671	8.60459	17.29519	3.41E-11	9.4E-09	2.37E-09	1.05E-14	3.18E-14	2.51E-14	5.76E-16	1.39E-14	7.68E-16	1.52482E-14	3.414E-11	9.3953E-09	2.37323E-09	1.07751E-14	2.32741E-15	5.37817E-15	3.87228E-16
176	570710.55	4178118.99	0.55, 41781	0.23703	0.25104	0.22497	127.12041	45.98226	134.54184	16.41254	9.96819	16.81773	3.82E-11	9.79E-09	2.55E-09	1.18E-14	3.56E-14	2.81E-14	6.45E-16	1.56E-14	8.6E-16	1.70827E-14	3.825E-11	9.7949E-09	2.54997E-09	1.20713E-14	2.60741E-15	6.02519E-15	4.33814E-16
177	570750.55	4178118.99	0.55, 41781	0.26187	0.28441	0.24496	163.41699	49.64069	173.69321	20.42712	11.18287	24.67477	4.31E-11	1.14E-08	3.24E-09	1.33E-14	4.01E-14	3.17E-14	7.26E-16	1.75E-14	9.68E-16	1.92349E-14	4.307E-11	1.1434E-08	3.23884E-09	1.35922E-14	2.93592E-15	6.7843E-15	4.8847E-16
178	570790.55	4178118.99	0.55, 41781	0.29707	0.32177	0.27572	189.30326	59.79186	203.13563	23.66291	12.3939	25.39195	4.87E-11	1.36E-08	3.7E-09	1.5E-14	4.54E-14	3.58E-14	8.21E-16	1.98E-14	1.1E-15	2.17556E-14	4.871E-11	1.3561E-08	3.69636E-09	1.53734E-14	3.32065E-15	7.67336E-15	5.52482E-16
179	570830.55	4178118.99	0.55, 41781	0.34574	0.3643	0.31009	193.11502	64.55328	210.79637	24.13938	13.76558	26.34955	5.52E-11	1.43E-08	3.78E-09	1.7E-14	5.15E-14	4.07E-14	9.31E-16	2.25E-14	1.24E-15	2.46735E-14	5.524E-11	1.4336E-08	3.77855E-09	1.74353E-14	3.76603E-15	8.70252E-15	6.26582E-16
180	570870.55	4178118.99	0.55, 41781	0.41228	0.41342	0.35667	202.8381	69.60981	241.64288	25.35476	15.49628	31.6123	6.31E-11	1.56E-08	4.04E-09	1.95E-14	5.87E-14	4.64E-14	1.06E-15	2.57E-14	1.42E-15	2.81612E-14	6.305E-11	1.5633E-08	4.03729E-09	1.98999E-14	4.29838E-15	9.93268E-15	7.15153E-16
181	570910.55	4178118.99	0.55, 41781	0.49003	0.46844	0.41739	224.50761	75.3478	268.49725	28.06345	17.99511	33.56216	7.2E-11	1.71E-08	4.44E-09	2.22E-14	6.71E-14	5.3E-14	1.21E-15	2.93E-14	1.62E-15	3.21543E-14	7.199E-11	1.7111E-08	4.44376E-09	2.27216E-14	4.90787E-15	1.13411E-14	8.16558E-16
182	570950.55	4178118.99	0.55, 41781	0.55455	0.52056	0.48015	237.44511	82.6149	307.44591	31.19836	20.61697	38.43074	8.04E-11	1.89E-08	4.96E-09	2.48E-14	7.49E-14	5.92E-14	1.36E-15	3.28E-14	1.81E-15	3.59209E-14	8.042E-11	1.8868E-08	4.95965E-09	2.53832E-14	5.48278E-15	1.26696E-14	9.1221E-16
183	570990.55	4178118.99	0.55, 41781	0.59019	0.56679	0.49805	260.70129	98.30209	347.94815	39.14578	18.7176	43.49352	8.69E-11	2.18E-08	6.14E-09	2.68E-14	8.1E-14	6.4E-14	1.47E-15	3.54E-14	1.95E-15	3.88341E-14	8.695E-11	2.1835E-08	6.1408E-09	2.74418E-14	5.92743E-15	1.36971E-14	9.8619E-16
184	571030.55	4178118.99	0.55, 41781	0.58003	0.59593	0.46436	288.08817	110.38847	394.82286	43.41155	19.84321	60.28631	8.98E-11	2.45E-08	7.02E-09	2.77E-14	8.37E-14	6.61E-14	1.51E-15	3.66E-14	2.02E-15	4.01179E-14	8.982E-11	2.4526E-08	7.01971E-09	2.8349E-14	6.12339E-15	1.41499E-14	1.01879E-15
185	571070.55	4178118.99	0.55, 41781	0.56003	0.61401	0.43624	281.59163	124.26135	479.69295	39.26934	23.95732	65.06151	9.13E-11	2.76E-08	6.53E-09	2.82E-14	8.51E-14	6.72E-14	1.54E-15	3.72E-14	2.05E-15	4.07733E-14	9.129E-11	2.7628E-08	6.53309E-09	2.88121E-14	6.22342E-15	1.43811E-14	1.03544E-15
186	571110.55	4178118.99	0.55, 41781	0.57497	0.62965	0.42923	279.23237	138.16088	507.21032	41.39356	27.39628	63.69191	9.33E-11	2.98E-08	6.8E-09	2.88E-14	8.69E-14	6.87E-14	1.57E-15	3.8E-14	2.1E-15	4.16752E-14	9.331E-11	2.9792E-08	6.80142E-09	2.94495E-14	6.36109E-15	1.46992E-14	1.05834E-15
187	571150.55	4178118.99	0.55, 41781	0.64473	0.65929	0.45591	273.06399	137.55558	506.75735	37.77228	27.34359	77.75635	9.84E-11	2.96E-08	6.55E-09	3.04E-14	9.17E-14	7.24E-14	1.66E-15	4.01E-14	2.21E-15	4.39528E-14	9.841E-11	2.9623E-08	6.54809E-09	3.10589E-14	6.70873E-15	1.55025E-14	1.11618E-15
188	571190.55	4178118.99	0.55, 41781	0.76806	0.70549	0.46182	260.36357	120.74038	479.78233	32.90288	24.49294	68.54033	1.06E-10	2.69E-08	5.72E-09	3.27E-14	9.87E-14	7.8E-14	1.79E-15	4.31E-14	2.38E-15	4.73163E-14	1.059E-10	2.6898E-08	5.718E-09	3.34357E-14	7.22212E-15	1.66888E-14	1.2016E-15
189	571230.55	4178118.99	0.55, 41781	0.88147	0.74364	0.51839	250.38438	100.21062	435.42985	31.29805	22.32262	54.42873	1.13E-10	2.34E-08	5.25E-09	3.49E-14	1.05E-13	8.33E-14	1.91E-15	4.61E-14	2.55E-15	5.05675E-14	1.132E-10	2.345E-08	5.25173E-09	3.57331E-14	7.71836E-15	1.78355E-14	1.28416E-15
190	571270.55	4178118.99	0.55, 41781	0.94057	0.75526	0.59724	235.31349	80.57107	462.41399	29.41419	18.81416	57.80175	1.17E-10	2.13E-08	5.05E-09	3.61E-14	1.09E-13	8.6E-14	1.97E-15	4.76E-14	2.63E-15	5.21893E-14	1.168E-10	2.1282E-08	5.05132E-09	3.68792E-14	7.9659E-15	1.84076E-14	1.32535E-15
191	571310.55	4178118.99	0.55, 41781	0.94266	0.74202	0.72716	211.76846	71.48368	401.12341	26.47106	15.9259	50.14043	1.18E-10	1.88E-08	4.51E-09	3.63E-14	1.09E-13	8.65E-14	1.98E-15	4.79E-14	2.64E-15	5.2481E-14	1.175E-10	1.8764E-08	4.51322E-09	3.70853E-14	8.01043E-15	1.85105E-14	1.33275E-15
192	571350.55	4178118.99	0.55, 41781	0.90909	0.71255	0.85266	184.59351	57.17412	286.57244	23.07419	14.42847	35.82155	1.16E-10	1.46E-08	3.8E-09	3.57E-14	1.08E-13	8.51E-14	1.95E-15	4.71E-14	2.6E-15	5.16205E-14	1.156E-10	1.4624E-08	3.79687E-09	3.64773E-14	7.87909E-15	1.8207E-14	1.3109E-15
193	571390.55	4178118.99	0.55, 41781	0.85308	0.67145	0.90336	182.88204	42.90716	275.98695	22.86025	12.27464	34.49837	1.11E-10	1.27E-08	3.74E-09	3.41E-14	1.03E-13	8.14E-14	1.86E-15	4.5E-14	2.49E-15	4.93971E-14	1.106E-10	1.2652E-08	3.74442E-09	3.49061E-14	7.53972E-15	1.74227E-14	1.25444E-15
194	571430.55	4178118.99	0.55, 41781	0.78	0.62166	0.86624	169.0522	41.64549	252.50347	21.13153	11.39175	31.56293	1.03E-10	1.19E-08	3.46E-09	3.17E-14	9.58E-14	7.56E-14	1.73E-15	4.19E-14	2.31E-15	4.59052E-14	1.028E-10	1.1895E-08	3.45558E-09	3.24386E-14	7.00673E-15	1.61911E-14	1.16576E-15
195	571470.55	4178118.99	0.55, 41781	0.69763	0.567	0.77646	144.82238	43.55007	199.26025	18.1028	10.0864	24.90753	9.33E-11	1.09E-08	2.92E-09	2.88E-14	8.69E-14	6.87E-14	1.57E-15	3.8E-14	2.1E-15	4.16774E-14	9.331E-11	1.0867E-08	2.92321E-09	2.9451E-14	6.36142E-15	1.47E-14	1.0584E-15
196	571510.55	4178118.99	0.55, 41781	0.61632	0.51188	0.67545	129.07456	44.20691	173.84445	16.93315	8.5721	21.73056	8.36E-11	1.03E-08	2.71E-09	2.58E-14	7.79E-14	6.15E-14	1.41E-15	3.41E-14	1.88E-15	3.73435E-14	8.361E-11	1.0286E-08	2.70706E-09	2.63885E-14	5.69992E-15	1.31714E-14	9.48338E-16
197	571550.55	4178118.99	0.55, 41781	0.53701	0.45659	0.57828	116.13448	43.6354	149.52645	16.99831	7.6971	20.20244	7.4E-11	9.61E-09	2.69E-09	2.28E-14	6.89E-14	5.44E-14	1.25E-15	3.01E-14	1.66E-15	3.30425E-14	7.398E-11	9.6126E-09	2.68943E-09	2.33493E-14	5.04344E-15	1.16544E-14	8.39115E-16
198	571590.55	4178118.99	0.55, 41781	0.46599	0.40463	0.49394	103.06511	42.01095	133.93422	16.60125	6.75955	20.50745	6.51E-11	8.96E-09	2.64E-09	2.01E-14	6.07E-14	4.79E-14	1.1E-15	2.65E-14	1.46E-15	2.90767E-14	6.51E-11	8.9585E-09	2.64013E-09	2.05468E-14	4.43811E-15	1.02556E-14	7.38401E-16
199	570310.55	4178158.99	0.55, 41781	0.10452	0.07557	0.10002	83.14681	27.07322	89.45551	10.39335	4.47805	11.18194	1.25E-11	6.06E-09	1.62E-09	3.87E-15	1.17E-14	9.23E-15	2.11E-16	5.11E-15	2.82E-16	5.59959E-15	1.254E-11	6.0607E-09	1.62404E-09	3.95691E-15	8.54692E-16	1.97502E-15	1.42201E-16
200	570350.55	4178158.99	0.55, 41781	0.1156	0.08446	0.11071	83.51332	29.37807	93.62995	10.43917	4.89635	11.70374	1.4E-11	6.42E-09	1.64E-09	4.31E-15	1.3E-14	1.03E-14	2.36E-16	5.69E-15	3.14E-16	6.24239E-15	1.398E-11	6.4234E-09	1.63942E-09	4.41114E-15	9.52807E-16	2.20174E-15	1.58525E-16
201	570390.55	4178158.99	0.55, 41781	0.12828	0.09489	0.12282	85.72091	31.44775	90.10823	10.71511	5.24129	11.26353	1.57E-11	6.65E-09	1.67E-09	4.83E-15	1.46E-14	1.15E-14	2.64E-16	6.38E-15	3.52E-16	6.99121E-15	1.565E-11	6.6487E-09	1.66972E-09	4.94029E-15	1.0671E-15	2.46586E-15	1.77542E-16
202	570430.55	4178158.99	0.55, 41781	0.14269	0.1072	0.13639	94.53138	33.159	104.73347	11.81642	5.5265	13.09168	1.76E-11	7.24E-09	1.85E-09	5.43E-15	1.64E-14	1.3E-14	2.97E-16	7.17E-15	3.96E-16	7.86594E-15	1.761E-11	7.2373E-09	1.853E-09	5.55841E-15	1.20062E-15	2.77438E-15	1.99755E-16
203	570470.55	4178158.99	0.55, 41781	0.15906	0.12183	0.15182	91.68652	34.69147	109.10852	11.46082	5.78191	13.63857	1.99E-11	7.46E-09	1.81E-09	6.15E-15	1.86E-14	1.47E-14	3.36E-16	8.11E-15	4.48E-16	8.89539E-15	1.992E-11	7.4633E-09	1.81361E-09	6.28586E-15	1.35775E-15	3.13748E-15	2.25898E-16
204	570510.55	4178158.99	0.55, 41781	0.17738	0.13933	0.16931	103.8828	36.49731	110.76271	12.98535	6.04456	13.84534	2.26E-11	7.89E-09	2.03E-09	6.99E-15	2.11E-14	1.67E-14	3.82E-16	9.22E-15	5.09E-16	1.01114E-14	2.264E-11	7.8851E-09	2.02688E-09	7.14518E-15	1.54336E-15	3.56639E-15	2.5678E-16
205	570550.55	4178158.99	0.55, 41781	0.19733	0.16029	0.18927	106.21161	38.46337	121.82569	13.27645	6.62676	15.22821	2.59E-11	8.35E-09	2.09E-09	7.98E-15	2.41E-14	1.9E-14	4.36E-16	1.05E-14	5.81E-16	1.15479E-14	2.585E-11	8.3531E-09	2.09098E-09	8.16021E-15	1.7626E-15	4.07302E-15	2.93257E-16
206	570590.55	4178158.99	0.55, 41781	0.21794	0.18524	0.21062	115.65264	40.48441	129.80552	14.45658	7.37316	16.22569	2.96E-11	8.87E-09	2.27E-09	9.13E-15	2.76E-14	2.18E-14	4.99E-16	1.21E-14	6.65E-16	1.32195E-14	2.96E-11	8.8732E-09	2.27065E-09	9.34145E-15	2.01775E-15	4.66261E-15	3.35708E-16
207	570630.55	4178158.99	0.55, 41781	0.23707	0.21436	0.23118	118.44365	42.79741	144.28442	14.80546	8.08317	18.03555	3.38E-11	9.45E-09	2.35E-09	1.04E-14	3.15E-14	2.49E-14	5.7E-16	1.38E-14	7.6E-16	1.5106E-14	3.382E-11	9.4499E-09	2.35013E-09	1.06745E-14	2.3057E-15	5.328E-15	3.83616E-16
208	570670.55	4178158.99	0.55, 41781	0.25383	0.24795	0.24882	124.95922	45.84094	144.90734	15.6199	8.90031	18.11342	3.85E-11	9.93E-09	2.46E-09	1.19E-14	3.59E-14	2.83E-14	6.49E-16	1.57E-14	8.66E-16	1.72019E-14	3.851E-11	9.9277E-09	2.4635E-09	1.21556E-14	2.6256E-15	6.06724E-15	4.36841E-16
209	570710.55	4178158.99	0.55, 41781	0.27135	0.28697	0.26135	131.25248	49.29697	162.49426	17.47805	10.6966	20.31178	4.38E-11	1.07E-08	2.76E-09	1.35E-14	4.08E-14	3.22E-14	7.39E-16	1.78E-14	9.85E-16	1.95626E-14	4.38E-11	1.0749E-08	2.75732E-09	1.38237E-14	2.98593E-15	6.89987E-15	4.96791E-16
210	570750.55	4178158.99	0.55, 41781	0.29528	0.33222	0.27619	146.48828	52.90094	155.94977	21.86848	12.23914	22.93785	5E-11	1.13E-08	3.41E-09	1.54E-14	4.66E-14	3.68E-14	8.43E-16	2.04E-14	1.12E-15	2.2325E-14	4.998E-11	1.1292E-08	3.40686E-09	1.57758E-14	3.40758E-15	7.87422E-15	5.66944E-16
211	570790.55	4178158.99	0.55, 41781	0.33253	0.38536	0.30655	168.4296	63.37031	207.44804	22.18934	13.75991	31.3643	5.76E-11	1.38E-08	3.6E-09	1.78E-14	5.37E-14	4.24E-14	9.71E-16	2.35E-14	1.3E-15	2.57266E-14	5.76E-11	1.3788E-08	3.59761E-09	1.81795E-14	3.92677E-15	9.07397E-15	6.53326E-16
212	570830.55	4178158.99	0.55, 41781	0.39122	0.44987	0.34708	226.40986	70.88867	244.94075	28.30123	15.58224	30.61759	6.71E-11	1.62E-08	4.43E-09	2.07E-14	6.25E-14	4.94E-14	1.13E-15	2.73E-14	1.51E-15	2.99682E-14	6.71E-11	1.6177E-08	4.42523E-09	2.11768E-14	4.57419E-15	1.057E-14	7.61042E-16
213	570870.55	4178158.99	0.55, 41781	0.48272	0.53035	0.408	262.06298	76.1106	293.39264	32.75787	17.58972	36.67408	7.94E-11	1.82E-08	5.14E-09	2.45E-14	7.4E-14	5.84E-14	1.34E-15	3.23E-14	1.78E-15	3.54541E-14	7.938E-11	1.8162E-08	5.14357E-09	2.50534E-14	5.41153E-15	1.25049E-14	9.00355E-16
214	570910.55	4178158.99	0.55, 41781	0.61652	0.63133	0.50366	261.24493	84.17228	335.42472	32.65562	20.33398	41.92809	9.54E-11	1.99E-08	5.22E-09	2.94E-14	8.89E-14	7.02E-14	1.61E-15	3.89E-14	2.14E-15	4.26048E-14	9.539E-11	1.9878E-08	5.22093E-09	3.01063E-14	6.50297E-15	1.5027E-14	1.08195E-15
215	570950.55	4178158.99	0.55, 41781	0.78722	0.75662	0.63069	286.12528	93.97029	373.71712	38.09436	25.30252	46.71464	1.15E-10	2.21E-08	6.05E-09	3.56E-14	1.08E-13	8.5E-14	1.95E-15	4.7E-14	2.6E-15	5.15709E-14	1.155E-10	2.2102E-08	6.05225E-09	3.64422E-14	7.87152E-15	1.81895E-14	1.30964E-15
216	570990.55	4178158.99	0.55, 41781	0.95557	0.89576	0.74297	303.7283	113.02353	445.40224	49.39935	30.83627	55.67528	1.37E-10	2.59E-08	7.76E-09	4.23E-14	1.28E-13	1.01E-13	2.31E-15	5.58E-14	3.08E-15	6.11725E-14	1.37E-10	2.595E-08	7.76302E-09	4.32271E-14	9.33705E-15	2.1576E-14	1.55347E-15
217	571030.55	4178158.99	0.55, 41781	1.0701	1.00768	0.7637	365.27865	135.92516	512.48146	63.89384	29.33742	70.31034	1.53E-10	3.08E-08	1E-08	4.71E-14	1.42E-13	1.12E-13	2.58E-15	6.22E-14	3.43E-15	6.8225E-14	1.528E-10	3.0805E-08	1.00112E-08	4.82107E-14	1.04135E-14	2.40635E-14	1.73257E-15
218	571070.55	4178158.99	0.55, 41781	1.06935	1.07923	0.71312	382.13438	155.20031	662.82772	54.74849	37.25068	94.68967	1.61E-10	3.6E-08	9.18E-09	4.96E-14	1.5E-13	1.18E-13	2.71E-15	6.55E-14	3.61E-15	7.17777E-14	1.607E-10	3.6038E-08	9.1776E-09	5.07212E-14	1.09558E-14	2.53166E-14	1.82279E-15
219	571110.55	4178158.99	0.55, 41781	1.19831	1.16386	0.6846	373.85472	174.62021	736.75515	53.40782	39.37776	93.09067	1.72E-10	3.96E-08	8.97E-09	5.32E-14	1.61E-13	1.27E-13	2.91E-15	7.02E-14	3.88E-15	7.70305E-14	1.725E-10	3.961E-08	8.96538E-09	5.4433E-14	1.17575E-14	2.71693E-14	1.95619E-15
220	571150.55	4178158.99	0.55, 41781	1.53671	1.26322	0.72724	331.2731	149.81574	693.97089	50.26616	34.67292	96.78528	1.9E-10	3.52E-08	8.6E-09	5.87E-14	1.77E-13	1.4E-13	3.21E-15	7.75E-14	4.28E-15	8.49518E-14	1.902E-10	3.5207E-08	8.59758E-09	6.00306E-14	1.29666E-14	2.99632E-14	2.15735E-15
221	571190.55	4178158.99	0.55, 41781	1.71324	1.27647	0.80447	303.51531	125.05743	565.89383	43.45807	29.97586	80.84198	1.96E-10	2.95E-08	7.38E-09	6.04E-14	1.82E-13	1.44E-13	3.3E-15	7.97E-14	4.4E-15	8.73811E-14	1.956E-10	2.9531E-08	7.38379E-09	6.17472E-14	1.33374E-14	3.082E-14	2.21904E-15
222	571230.55	4178158.99	0.55, 41781	1.67997	1.21931	0.99011	277.00255	96.22407	622.39581	36.53844	24.95569	77.79948	1.91E-10	2.66E-08	6.38E-09	5.9E-14	1.78E-13	1.41E-13	3.23E-15	7.79E-14	4.3E-15	8.54611E-14	1.913E-10	2.6581E-08	6.37914E-09	6.03905E-14	1.30443E-14	3.01428E-14	2.17028E-15
223	571270.55	4178158.99	0.55, 41781	1.56347	1.13234	1.265	251.98402	83.18585	536.39129	31.498	20.71301	67.04891	1.84E-10	2.31E-08	5.5E-09	5.67E-14	1.71E-13	1.35E-13	3.1E-15	7.48E-14	4.13E-15	8.20714E-14	1.838E-10	2.3124E-08	5.49883E-09	5.79951E-14	1.25269E-14	2.89472E-14	2.0842E-15
224	571310.55	4178158.99	0.55, 41781	1.42012	1.03692	1.45126	223.09845	65.85457	360.16353	27.88731	18.21453	45.02044	1.73E-10	1.75E-08	4.62E-09	5.34E-14	1.61E-13	1.27E-13	2.92E-15	7.05E-14	3.89E-15	7.73593E-14	1.732E-10	1.7513E-08	4.61892E-09	5.46654E-14	1.18077E-14	2.72852E-14	1.96454E-15
225	571350.55	4178158.99	0.55, 41781	1.26306	0.93714	1.42084	212.7442	53.05659	355.96566	26.59303	15.01468	44.49571	1.58E-10	1.57E-08	4.43E-09	4.88E-14	1.47E-13	1.16E-13	2.67E-15	6.44E-14	3.56E-15	7.06373E-14	1.582E-10	1.5714E-08	4.43178E-09	4.99153E-14	1.07817E-14	2.49143E-14	1.79383E-15
226	571390.55	4178158.99	0.55, 41781	1.10199	0.83709	1.24864	185.92823	54.01949	274.01244	23.24103	13.29114	34.25155	1.41E-10	1.4E-08	3.79E-09	4.34E-14	1.31E-13	1.03E-13	2.37E-15	5.72E-14	3.16E-15	6.27735E-14	1.405E-10	1.4034E-08	3.7925E-09	4.43584E-14	9.58143E-15	2.21407E-14	1.59413E-15
227	571430.55	4178158.99	0.55, 41781	0.9418	0.73869	1.04204	159.26436	53.60229	222.79179	21.61583	11.2268	27.84897	1.23E-10	1.27E-08	3.46E-09	3.78E-14	1.14E-13	9.02E-14	2.07E-15	4.99E-14	2.76E-15	5.4739E-14	1.226E-10	1.272E-08	3.45756E-09	3.86809E-14	8.35508E-15	1.93069E-14	1.3901E-15
228	571470.55	4178158.99	0.55, 41781	0.79447	0.64516	0.85663	139.92539	51.85557	187.30754	21.06215	9.90602	27.91527	1.06E-10	1.16E-08	3.38E-09	3.26E-14	9.85E-14	7.78E-14	1.78E-15	4.31E-14	2.38E-15	4.7218E-14	1.057E-10	1.1617E-08	3.38257E-09	3.33662E-14	7.20711E-15	1.66542E-14	1.1991E-15
229	571510.55	4178158.99	0.55, 41781	0.67282	0.56206	0.7111	120.25585	49.92459	159.61818	19.96311	8.50885	26.60303	9.12E-11	1.06E-08	3.21E-09	2.81E-14	8.5E-14	6.71E-14	1.54E-15	3.72E-14	2.05E-15	4.07424E-14	9.122E-11	1.0623E-08	3.20857E-09	2.87903E-14	6.21872E-15	1.43702E-14	1.03465E-15
230	571550.55	4178158.99	0.55, 41781	0.57423	0.48972	0.59807	110.64777	47.57404	144.95635	18.4413	7.31081	24.15939	7.89E-11	9.94E-09	2.96E-09	2.44E-14	7.35E-14	5.81E-14	1.33E-15	3.22E-14	1.77E-15	3.5257E-14	7.894E-11	9.9435E-09	2.95675E-09	2.49141E-14	5.38144E-15	1.24354E-14	8.95349E-16
231	571590.55	4178158.99	0.55, 41781	0.49292	0.42713	0.50772	100.4908	44.5532	128.72625	16.74847	6.44552	21.45437	6.85E-11	9.15E-09	2.68E-09	2.11E-14	6.38E-14	5.04E-14	1.15E-15	2.79E-14	1.54E-15	3.05935E-14	6.85E-11	9.1463E-09	2.67685E-09	2.16187E-14	4.66963E-15	1.07906E-14	7.76921E-16
232	570310.55	4178198.99	0.55, 41781	0.10691	0.07648	0.10208	81.28791	24.55019	79.664	10.16099	3.94128	9.958	1.27E-11	5.55E-09	1.57E-09	3.92E-15	1.19E-14	9.36E-15	2.14E-16	5.18E-15	2.86E-16	5.6807E-15	1.272E-11	5.5526E-09	1.57079E-09	4.01422E-15	8.67073E-16	2.00363E-15	1.44261E-16
233	570350.55	4178198.99	0.55, 41781	0.11881	0.08587	0.11329	92.41038	27.80697	96.15133	11.5513	4.55912	12.01892	1.42E-11	6.4E-09	1.8E-09	4.39E-15	1.33E-14	1.05E-14	2.4E-16	5.8E-15	3.2E-16	6.36025E-15	1.424E-11	6.3969E-09	1.79787E-09	4.49443E-15	9.70796E-16	2.24331E-15	1.61518E-16
234	570390.55	4178198.99	0.55, 41781	0.13286	0.09703	0.12666	98.9418	30.67703	108.4605	12.36772	5.11284	13.55756	1.6E-11	7.06E-09	1.94E-09	4.95E-15	1.5E-14	1.18E-14	2.71E-16	6.54E-15	3.61E-16	7.16769E-15	1.605E-11	7.0568E-09	1.93693E-09	5.06499E-15	1.09404E-15	2.5281E-15	1.82023E-16
235	570430.55	4178198.99	0.55, 41781	0.14935	0.11037	0.14231	98.24021	33.47488	112.67373	12.28003	5.57915	14.08422	1.82E-11	7.47E-09	1.93E-09	5.62E-15	1.7E-14	1.34E-14	3.07E-16	7.41E-15	4.09E-16	8.12838E-15	1.82E-11	7.4662E-09	1.93403E-09	5.74386E-15	1.24067E-15	2.86694E-15	2.0642E-16
236	570470.55	4178198.99	0.55, 41781	0.1686	0.12646	0.16043	107.25905	35.76824	115.05444	13.40738	5.96137	14.38181	2.08E-11	7.92E-09	2.09E-09	6.41E-15	1.94E-14	1.53E-14	3.5E-16	8.46E-15	4.67E-16	9.27725E-15	2.077E-11	7.9167E-09	2.09426E-09	6.5557E-15	1.41603E-15	3.27216E-15	2.35596E-16
237	570510.55	4178198.99	0.55, 41781	0.19081	0.14598	0.18108	111.923	37.71142	131.96286	13.99038	6.28524	16.49536	2.39E-11	8.52E-09	2.21E-09	7.36E-15	2.22E-14	1.76E-14	4.02E-16	9.72E-15	5.36E-16	1.06536E-14	2.385E-11	8.516E-09	2.21122E-09	7.52827E-15	1.62611E-15	3.7576E-15	2.70547E-16
238	570550.55	4178198.99	0.55, 41781	0.21602	0.16987	0.20494	119.57772	40.00549	129.21029	14.94721	6.67621	16.15129	2.76E-11	8.86E-09	2.34E-09	8.51E-15	2.57E-14	2.03E-14	4.65E-16	1.12E-14	6.2E-16	1.23148E-14	2.757E-11	8.8583E-09	2.33684E-09	8.70215E-15	1.87966E-15	4.34352E-15	3.12733E-16
239	570590.55	4178198.99	0.55, 41781	0.24388	0.19917	0.2325	124.08345	42.52786	147.10165	15.51043	7.78928	18.38771	3.21E-11	9.54E-09	2.45E-09	9.89E-15	2.99E-14	2.36E-14	5.41E-16	1.31E-14	7.21E-16	1.43199E-14	3.206E-11	9.5441E-09	2.45321E-09	1.01191E-14	2.18572E-15	5.05075E-15	3.63654E-16
240	570630.55	4178198.99	0.55, 41781	0.27242	0.23473	0.26214	135.79301	45.13025	156.31523	16.97413	8.73982	19.5394	3.74E-11	1.02E-08	2.67E-09	1.15E-14	3.48E-14	2.75E-14	6.3E-16	1.52E-14	8.4E-16	1.66911E-14	3.737E-11	1.0189E-08	2.67457E-09	1.17946E-14	2.54764E-15	5.88707E-15	4.23869E-16
241	570670.55	4178198.99	0.55, 41781	0.29828	0.27729	0.29064	136.89517	48.04336	174.48935	17.44831	9.65486	21.81117	4.35E-11	1.09E-08	2.78E-09	1.34E-14	4.05E-14	3.2E-14	7.33E-16	1.77E-14	9.78E-16	1.94232E-14	4.349E-11	1.0881E-08	2.77931E-09	1.37253E-14	2.96465E-15	6.85071E-15	4.93251E-16
242	570710.55	4178198.99	0.55, 41781	0.321	0.32818	0.31291	151.98197	52.23375	185.24815	19.68934	11.4382	23.15602	5.05E-11	1.18E-08	3.11E-09	1.56E-14	4.7E-14	3.72E-14	8.51E-16	2.06E-14	1.13E-15	2.25473E-14	5.048E-11	1.1796E-08	3.11094E-09	1.59329E-14	3.4415E-15	7.9526E-15	5.72588E-16
243	570750.55	4178198.99	0.55, 41781	0.34558	0.38955	0.32771	144.14265	57.26085	196.68908	22.53194	13.53855	24.58613	5.87E-11	1.25E-08	3.53E-09	1.81E-14	5.47E-14	4.32E-14	9.89E-16	2.39E-14	1.32E-15	2.62035E-14	5.867E-11	1.2507E-08	3.52679E-09	1.85165E-14	3.99957E-15	9.24219E-15	6.65437E-16
244	570790.55	4178198.99	0.55, 41781	0.38143	0.46429	0.35275	173.32889	66.95506	241.81218	25.57778	15.36352	36.58263	6.88E-11	1.49E-08	4.15E-09	2.12E-14	6.41E-14	5.07E-14	1.16E-15	2.8E-14	1.55E-15	3.07476E-14	6.884E-11	1.4897E-08	4.15445E-09	2.17276E-14	4.69315E-15	1.08449E-14	7.80834E-16
245	570830.55	4178198.99	0.55, 41781	0.44289	0.55991	0.39405	200.31972	78.9407	262.23048	28.47462	17.66262	37.4615	8.22E-11	1.71E-08	4.57E-09	2.54E-14	7.66E-14	6.05E-14	1.39E-15	3.35E-14	1.85E-15	3.67301E-14	8.224E-11	1.711E-08	4.56817E-09	2.5955E-14	5.60629E-15	1.2955E-14	9.3276E-16
246	570870.55	4178198.99	0.55, 41781	0.55133	0.6879	0.45528	245.75399	83.68372	263.19795	34.28137	20.83884	36.18743	1.01E-10	1.83E-08	5.34E-09	3.11E-14	9.38E-14	7.41E-14	1.7E-15	4.1E-14	2.26E-15	4.49468E-14	1.006E-10	1.8346E-08	5.34464E-09	3.17613E-14	6.86045E-15	1.58531E-14	1.14142E-15
247	570910.55	4178198.99	0.55, 41781	0.74216	0.86472	0.57468	353.61381	98.21675	387.24795	44.20173	24.01316	48.40599	1.27E-10	2.38E-08	6.92E-09	3.93E-14	1.19E-13	9.36E-14	2.15E-15	5.18E-14	2.86E-15	5.68239E-14	1.272E-10	2.3802E-08	6.92166E-09	4.01542E-14	8.6733E-15	2.00422E-14	1.44304E-15
248	570950.55	4178198.99	0.55, 41781	1.08517	1.1274	0.77671	376.11466	111.85514	479.74888	52.74149	29.33795	59.96861	1.68E-10	2.74E-08	8.3E-09	5.18E-14	1.57E-13	1.24E-13	2.83E-15	6.84E-14	3.78E-15	7.50299E-14	1.68E-10	2.7411E-08	8.29739E-09	5.30193E-14	1.14522E-14	2.64636E-14	1.90538E-15
249	570990.55	4178198.99	0.55, 41781	1.58976	1.56693	1.05873	410.19015	135.68135	559.12982	68.60008	44.06737	76.18548	2.34E-10	3.22E-08	1.08E-08	7.23E-14	2.18E-13	1.72E-13	3.95E-15	9.54E-14	5.27E-15	1.04626E-13	2.343E-10	3.2212E-08	1.07607E-08	7.39335E-14	1.59696E-14	3.69026E-14	2.65699E-15
250	571030.55	4178198.99	0.55, 41781	2.42958	2.27373	1.377	561.74649	191.25505	728.04918	107.05418	55.40677	100.45619	3.39E-10	4.41E-08	1.65E-08	1.05E-13	3.16E-13	2.49E-13	5.71E-15	1.38E-13	7.62E-15	1.51346E-13	3.389E-10	4.4131E-08	1.64719E-08	1.06947E-13	2.31006E-14	5.33808E-14	3.84342E-15
251	571070.55	4178198.99	0.55, 41781	3.58306	3.18041	1.39903	721.18769	259.71405	966.70756	139.44796	73.67892	146.94766	4.67E-10	5.9E-08	2.17E-08	1.44E-13	4.35E-13	3.44E-13	7.88E-15	1.9E-13	1.05E-14	2.08748E-13	4.674E-10	5.8966E-08	2.17362E-08	1.47511E-13	3.18623E-14	7.36272E-14	5.30116E-15
252	571110.55	4178198.99	0.55, 41781	5.26167	3.22788	1.2956	536.30163	206.72583	1199.13306	116.57539	57.94295	153.9862	4.95E-10	5.39E-08	1.87E-08	1.53E-13	4.61E-13	3.64E-13	8.34E-15	2.02E-13	1.11E-14	2.21002E-13	4.948E-10	5.3886E-08	1.87129E-08	1.5617E-13	3.37326E-14	7.79493E-14	5.61235E-15
253	571150.55	4178198.99	0.55, 41781	4.55265	2.7214	1.43074	406.82024	165.14744	1078.46551	75.27018	43.84452	138.95995	4.25E-10	4.48E-08	1.28E-08	1.31E-13	3.96E-13	3.13E-13	7.16E-15	1.73E-13	9.55E-15	1.8968E-13	4.247E-10	4.4844E-08	1.27704E-08	1.34036E-13	2.89518E-14	6.69018E-14	4.81693E-15
254	571190.55	4178198.99	0.55, 41781	3.6655	2.27193	1.9191	348.88414	129.45816	921.59929	55.11772	35.12171	118.18584	3.65E-10	3.69E-08	9.64E-09	1.13E-13	3.4E-13	2.69E-13	6.16E-15	1.49E-13	8.21E-15	1.63144E-13	3.653E-10	3.6896E-08	9.63723E-09	1.15284E-13	2.49014E-14	5.75421E-14	4.14303E-15
255	571230.55	4178198.99	0.55, 41781	2.99647	1.91661	2.63905	311.11499	100.77545	780.81724	44.29874	28.05958	97.60216	3.25E-10	3.04E-08	7.79E-09	1E-13	3.02E-13	2.39E-13	5.47E-15	1.32E-13	7.3E-15	1.44961E-13	3.246E-10	3.0375E-08	7.79105E-09	1.02436E-13	2.21261E-14	5.1129E-14	3.68129E-15
256	571270.55	4178198.99	0.55, 41781	2.48655	1.63354	2.7833	275.28639	78.6156	563.64868	36.03295	23.70769	70.45609	2.85E-10	2.34E-08	6.18E-09	8.79E-14	2.66E-13	2.1E-13	4.81E-15	1.16E-13	6.41E-15	1.27283E-13	2.85E-10	2.3358E-08	6.18184E-09	8.99436E-14	1.94278E-14	4.48937E-14	3.23235E-15
257	571310.55	4178198.99	0.55, 41781	2.04979	1.39182	2.36332	251.65063	69.80646	418.93362	31.45633	18.505	52.3667	2.42E-10	1.94E-08	5.24E-09	7.46E-14	2.25E-13	1.78E-13	4.08E-15	9.84E-14	5.43E-15	1.07957E-13	2.417E-10	1.9422E-08	5.23762E-09	7.62874E-14	1.64781E-14	3.80775E-14	2.74158E-15
258	571350.55	4178198.99	0.55, 41781	1.66907	1.18291	1.84305	207.71058	67.17721	304.96385	28.41822	15.5683	43.42728	2.02E-10	1.65E-08	4.66E-09	6.22E-14	1.88E-13	1.48E-13	3.4E-15	8.21E-14	4.53E-15	9.00125E-14	2.015E-10	1.6502E-08	4.66422E-09	6.36067E-14	1.3739E-14	3.17481E-14	2.28587E-15
259	571390.55	4178198.99	0.55, 41781	1.33874	0.99933	1.42084	175.53523	63.93291	243.3206	26.80029	13.20173	40.55343	1.67E-10	1.46E-08	4.39E-09	5.15E-14	1.55E-13	1.23E-13	2.81E-15	6.8E-14	3.75E-15	7.45415E-14	1.669E-10	1.4581E-08	4.39168E-09	5.26742E-14	1.13776E-14	2.62914E-14	1.89298E-15
260	571430.55	4178198.99	0.55, 41781	1.08215	0.84466	1.12094	146.49279	60.30749	207.71024	24.41546	11.02968	34.61837	1.39E-10	1.31E-08	3.96E-09	4.29E-14	1.29E-13	1.02E-13	2.34E-15	5.66E-14	3.12E-15	6.20757E-14	1.39E-10	1.3109E-08	3.96041E-09	4.38653E-14	9.47491E-15	2.18946E-14	1.57641E-15
261	571470.55	4178198.99	0.55, 41781	0.88511	0.71494	0.90372	129.54701	55.96987	172.11269	21.59117	9.33698	28.68545	1.16E-10	1.17E-08	3.47E-09	3.59E-14	1.08E-13	8.57E-14	1.96E-15	4.74E-14	2.62E-15	5.20002E-14	1.164E-10	1.1717E-08	3.46873E-09	3.67456E-14	7.93704E-15	1.83409E-14	1.32054E-15
262	571510.55	4178198.99	0.55, 41781	0.73336	0.60746	0.74181	112.64977	51.14316	142.69265	18.77496	8.40942	23.78211	9.82E-11	1.04E-08	3E-09	3.03E-14	9.15E-14	7.23E-14	1.66E-15	4E-14	2.21E-15	4.38642E-14	9.821E-11	1.0373E-08	2.99607E-09	3.09963E-14	6.6952E-15	1.54712E-14	1.11393E-15
263	571550.55	4178198.99	0.55, 41781	0.6189	0.52125	0.62191	97.68282	46.08498	120.36205	16.28047	7.59304	20.06034	8.39E-11	9.15E-09	2.59E-09	2.59E-14	7.81E-14	6.17E-14	1.41E-15	3.42E-14	1.89E-15	3.74608E-14	8.387E-11	9.151E-09	2.58823E-09	2.64714E-14	5.71782E-15	1.32127E-14	9.51316E-16
264	571590.55	4178198.99	0.55, 41781	0.52714	0.45016	0.52751	84.87826	41.93857	102.67653	14.14638	6.8553	17.11275	7.22E-11	8.15E-09	2.24E-09	2.23E-14	6.72E-14	5.31E-14	1.22E-15	2.94E-14	1.62E-15	3.22316E-14	7.216E-11	8.1525E-09	2.24342E-09	2.27762E-14	4.91966E-15	1.13683E-14	8.1852E-16
265	570310.55	4178238.99	0.55, 41782	0.10871	0.07725	0.10419	69.36135	22.19632	77.30253	9.49069	3.20395	10.55794	1.29E-11	5.05E-09	1.49E-09	3.97E-15	1.2E-14	9.48E-15	2.17E-16	5.24E-15	2.89E-16	5.7508E-15	1.288E-11	5.0545E-09	1.48904E-09	4.06376E-15	8.77773E-16	2.02835E-15	1.46041E-16
266	570350.55	4178238.99	0.55, 41782	0.12097	0.08699	0.11543	80.24676	23.95533	77.73127	10.03084	3.79637	10.6184	1.44E-11	5.43E-09	1.56E-09	4.46E-15	1.35E-14	1.06E-14	2.44E-16	5.88E-15	3.25E-16	6.45215E-15	1.445E-11	5.4309E-09	1.56438E-09	4.55937E-15	9.84823E-16	2.27573E-15	1.63852E-16
267	570390.55	4178238.99	0.55, 41782	0.13576	0.09875	0.129	97.68381	28.15369	96.07123	12.21048	4.56788	12.0089	1.63E-11	6.51E-09	1.89E-09	5.04E-15	1.52E-14	1.2E-14	2.76E-16	6.66E-15	3.67E-16	7.29887E-15	1.634E-11	6.5118E-09	1.88835E-09	5.15769E-15	1.11406E-15	2.57437E-15	1.85355E-16
268	570430.55	4178238.99	0.55, 41782	0.15369	0.11303	0.14573	112.57412	32.01468	119.02369	14.07177	5.30028	14.87796	1.86E-11	7.6E-09	2.19E-09	5.75E-15	1.74E-14	1.37E-14	3.14E-16	7.6E-15	4.19E-16	8.3288E-15	1.865E-11	7.5957E-09	2.19427E-09	5.88549E-15	1.27127E-15	2.93764E-15	2.1151E-16
269	570470.55	4178238.99	0.55, 41782	0.17542	0.1305	0.16624	120.86213	35.6675	135.90431	15.10777	5.94458	16.98804	2.15E-11	8.46E-09	2.37E-09	6.62E-15	2E-14	1.58E-14	3.62E-16	8.74E-15	4.83E-16	9.58787E-15	2.147E-11	8.4564E-09	2.37348E-09	6.7752E-15	1.46344E-15	3.38172E-15	2.43484E-16
270	570510.55	4178238.99	0.55, 41782	0.20166	0.15208	0.19089	118.29832	38.86505	139.27939	14.78729	6.47751	17.40992	2.49E-11	8.87E-09	2.34E-09	7.69E-15	2.32E-14	1.83E-14	4.2E-16	1.02E-14	5.6E-16	1.11341E-14	2.493E-11	8.8747E-09	2.33674E-09	7.86781E-15	1.69945E-15	3.92708E-15	2.8275E-16
271	570550.55	4178238.99	0.55, 41782	0.23297	0.17899	0.21994	134.82021	41.51275	155.81716	16.85253	6.91879	19.47714	2.92E-11	9.72E-09	2.66E-09	9.01E-15	2.72E-14	2.15E-14	4.92E-16	1.19E-14	6.56E-16	1.30403E-14	2.92E-11	9.7197E-09	2.65676E-09	9.21482E-15	1.9904E-15	4.59941E-15	3.31158E-16
272	570590.55	4178238.99	0.55, 41782	0.26933	0.21289	0.25402	138.182	44.61865	161.93184	17.27275	7.89914	20.24148	3.45E-11	1.03E-08	2.73E-09	1.06E-14	3.21E-14	2.54E-14	5.81E-16	1.4E-14	7.75E-16	1.54029E-14	3.449E-11	1.0257E-08	2.72786E-09	1.08844E-14	2.35102E-15	5.43273E-15	3.91156E-16
273	570630.55	4178238.99	0.55, 41782	0.31001	0.25571	0.29378	151.57706	47.88426	180.12829	18.94713	9.37801	22.51604	4.1E-11	1.12E-08	3E-09	1.27E-14	3.82E-14	3.02E-14	6.92E-16	1.67E-14	9.23E-16	1.8329E-14	4.104E-11	1.1164E-08	2.99772E-09	1.29521E-14	2.79765E-15	6.4648E-15	4.65465E-16
274	570670.55	4178238.99	0.55, 41782	0.35129	0.30919	0.33746	163.01094	51.1286	193.67566	20.37637	10.66356	24.20946	4.9E-11	1.2E-08	3.22E-09	1.51E-14	4.56E-14	3.61E-14	8.26E-16	2E-14	1.1E-15	2.18779E-14	4.898E-11	1.196E-08	3.22376E-09	1.54599E-14	3.33933E-15	7.71652E-15	5.55589E-16
275	570710.55	4178238.99	0.55, 41782	0.3879	0.37553	0.37852	161.77129	55.27243	215.9147	21.46966	11.91574	26.98934	5.84E-11	1.28E-08	3.42E-09	1.8E-14	5.44E-14	4.3E-14	9.85E-16	2.38E-14	1.31E-15	2.60874E-14	5.841E-11	1.2842E-08	3.4225E-09	1.84345E-14	3.98185E-15	9.20125E-15	6.6249E-16
276	570750.55	4178238.99	0.55, 41782	0.41955	0.45853	0.40652	185.09687	61.2613	243.75059	24.33831	15.0229	31.56234	6.96E-11	1.44E-08	3.9E-09	2.15E-14	6.48E-14	5.12E-14	1.17E-15	2.83E-14	1.56E-15	3.10845E-14	6.96E-11	1.4391E-08	3.89662E-09	2.19656E-14	4.74457E-15	1.09637E-14	7.89389E-16
277	570790.55	4178238.99	0.55, 41782	0.45531	0.56517	0.42739	195.76674	71.16962	229.68596	30.0466	17.67317	35.54387	8.36E-11	1.55E-08	4.75E-09	2.58E-14	7.79E-14	6.16E-14	1.41E-15	3.41E-14	1.88E-15	3.73568E-14	8.364E-11	1.552E-08	4.751E-09	2.63979E-14	5.70195E-15	1.31761E-14	9.48676E-16
278	570830.55	4178238.99	0.55, 41782	0.51729	0.70869	0.46924	186.14136	86.93814	313.42291	30.32646	20.0795	44.72862	1.03E-10	1.88E-08	4.95E-09	3.18E-14	9.59E-14	7.58E-14	1.74E-15	4.19E-14	2.32E-15	4.59915E-14	1.03E-10	1.8792E-08	4.94931E-09	3.24996E-14	7.01991E-15	1.62216E-14	1.16795E-15
279	570870.55	4178238.99	0.55, 41782	0.63421	0.91745	0.53024	225.98347	96.3139	311.28977	37.66391	24.81387	41.34654	1.31E-10	2.05E-08	5.9E-09	4.06E-14	1.22E-13	9.68E-14	2.22E-15	5.35E-14	2.96E-15	5.87187E-14	1.315E-10	2.0468E-08	5.89963E-09	4.14931E-14	8.96252E-15	2.07105E-14	1.49116E-15

280	570910.55	4178238.99	0.55, 41782	0.85302	1.23442	0.65693	293.13359	117.47886	326.7744	47.06613	30.6738	48.00957	1.76E-10	2.43E-08	7.31E-09	5.43E-14	1.64E-13	1.29E-13	2.97E-15	7.16E-14	3.95E-15	7.85644E-14	1.759E-10	2.4289E-08	7.30873E-09	5.5517E-14	1.19917E-14	2.77103E-14	1.99514E-15
281	570950.55	4178238.99	0.55, 41782	1.35023	1.79208	0.88884	455.80102	142.22416	478.03953	68.40553	39.86266	68.50221	2.56E-10	3.22E-08	1.06E-08	7.89E-14	2.38E-13	1.88E-13	4.31E-15	1.04E-13	5.75E-15	1.14248E-13	2.558E-10	3.2244E-08	1.06003E-08	8.07324E-14	1.74382E-14	4.02961E-14	2.90132E-15
282	570990.55	4178238.99	0.55, 41782	3.0182	3.06414	1.32054	885.93977	193.04223	771.54657	147.1874	58.20401	96.44332	4.44E-10	4.96E-08	2.19E-08	1.37E-13	4.13E-13	3.27E-13	7.48E-15	1.81E-13	9.98E-15	1.98207E-13	4.438E-10	4.9621E-08	2.19219E-08	1.40061E-13	3.02533E-14	6.99092E-14	5.03346E-15
283	571030.55	4178238.99	0.55, 41782	7.70332	4.46365	2.30139	679.65913	243.63294	1123.21669	144.28562	71.78775	156.8655	6.99E-10	5.91E-08	2.26E-08	2.16E-13	6.51E-13	5.14E-13	1.18E-14	2.85E-13	1.57E-14	3.1223E-13	6.991E-10	5.9123E-08	2.25742E-08	2.20635E-13	4.76571E-14	1.10126E-13	7.92907E-15
284	571110.55	4178238.99	0.55, 41782	48.37684	13.76668	3.52906	1082.14109	288.2044	2417.61379	441.33003	115.9324	328.07057	2.44E-09	9.28E-08	6.64E-08	7.52E-13	2.27E-12	1.79E-12	4.11E-14	9.92E-13	5.48E-14	1.0883E-12	2.437E-09	9.2759E-08	6.64078E-08	7.69039E-13	1.66112E-13	3.83852E-13	2.76373E-14
285	571150.55	4178238.99	0.55, 41782	14.38318	6.22649	4.84511	550.93904	192.81003	1871.63269	147.46183	59.89562	339.77194	1.05E-09	6.41E-08	2.62E-08	3.25E-13	9.82E-13	7.76E-13	1.78E-14	4.29E-13	2.37E-14	4.70862E-13	1.054E-09	6.4071E-08	2.61937E-08	3.32731E-13	7.18699E-14	1.66077E-13	1.19575E-14
286	571190.55	4178238.99	0.55, 41782	8.08563	4.10425	7.76231	423.01159	138.20819	1326.9025	88.76631	43.45879	203.98194	7.55E-10	4.61E-08	1.58E-08	2.33E-13	7.03E-13	5.56E-13	1.27E-14	3.08E-13	1.7E-14	3.37205E-13	7.55E-10	4.6062E-08	1.57581E-08	2.38283E-13	5.14692E-14	1.18935E-13	8.56331E-15
287	571230.55	4178238.99	0.55, 41782	5.48613	3.01374	6.36519	364.79857	99.98669	820.37732	64.1708	32.88659	114.5851	5.6E-10	3.17E-08	1.08E-08	1.73E-13	5.21E-13	4.12E-13	9.44E-15	2.28E-13	1.26E-14	2.49975E-13	5.597E-10	3.1713E-08	1.08197E-08	1.76643E-13	3.81549E-14	8.81681E-14	6.3481E-15
288	571270.55	4178238.99	0.55, 41782	3.91656	2.30583	4.21608	308.69657	91.16262	501.73471	42.97299	25.31404	83.35946	4.13E-10	2.43E-08	7.36E-09	1.27E-13	3.85E-13	3.04E-13	6.96E-15	1.68E-13	9.28E-15	1.84428E-13	4.129E-10	2.4297E-08	7.36088E-09	1.30325E-13	2.81501E-14	6.50492E-14	4.68355E-15
289	571310.55	4178238.99	0.55, 41782	2.81911	1.80691	2.86031	238.76095	82.99282	368.88984	36.57222	19.65898	61.48164	3.12E-10	2E-08	6.1E-09	9.64E-14	2.91E-13	2.3E-13	5.27E-15	1.27E-13	7.02E-15	1.39521E-13	3.124E-10	2.0002E-08	6.09985E-09	9.85917E-14	2.12958E-14	4.92103E-14	3.54314E-15
290	571350.55	4178238.99	0.55, 41782	2.07392	1.43877	2.07081	186.98174	75.01218	257.12826	31.16362	15.62493	42.85471	2.43E-10	1.63E-08	5.03E-09	7.49E-14	2.26E-13	1.79E-13	4.09E-15	9.89E-14	5.46E-15	1.08426E-13	2.428E-10	1.635E-08	5.03185E-09	7.66187E-14	1.65496E-14	3.82429E-14	2.75349E-15
291	571390.55	4178238.99	0.55, 41782	1.57003	1.1589	1.56847	153.36435	67.14235	200.39228	25.56072	13.28221	31.13336	1.92E-10	1.39E-08	4.06E-09	5.94E-14	1.79E-13	1.42E-13	3.24E-15	7.84E-14	4.33E-15	8.59371E-14	1.924E-10	1.3922E-08	4.05728E-09	6.07268E-14	1.3117E-14	3.03107E-14	2.18237E-15
292	571430.55	4178238.99	0.55, 41782	1.23548	0.94866	1.2378	124.99719	59.46648	164.5542	20.83286	11.6734	24.18073	1.56E-10	1.2E-08	3.29E-09	4.81E-14	1.45E-13	1.15E-13	2.63E-15	6.35E-14	3.51E-15	6.96793E-14	1.56E-10	1.1954E-08	3.28605E-09	4.92384E-14	1.06355E-14	2.45764E-14	1.7695E-15
293	571470.55	4178238.99	0.55, 41782	0.99131	0.7845	0.9961	109.3041	54.21436	142.14876	17.2339	10.26711	19.9293	1.28E-10	1.07E-08	2.72E-09	3.95E-14	1.19E-13	9.43E-14	2.16E-15	5.22E-14	2.88E-15	5.72191E-14	1.281E-10	1.0697E-08	2.71708E-09	4.04334E-14	8.73362E-15	2.01816E-14	1.45308E-15
294	571510.55	4178238.99	0.55, 41782	0.81688	0.65976	0.82266	100.30585	50.40167	129.05875	14.55844	9.03737	16.96469	1.07E-10	9.87E-09	2.3E-09	3.31E-14	9.99E-14	7.89E-14	1.81E-15	4.37E-14	2.41E-15	4.78994E-14	1.072E-10	9.8725E-09	2.29752E-09	3.38478E-14	7.31112E-15	1.68945E-14	1.2164E-15
295	571550.55	4178238.99	0.55, 41782	0.68618	0.56281	0.69258	92.19218	46.80105	116.817	12.52836	7.96128	14.60636	9.12E-11	9.1E-09	1.98E-09	2.81E-14	8.5E-14	6.71E-14	1.54E-15	3.71E-14	2.05E-15	4.0723E-14	9.118E-11	9.1014E-09	1.97727E-09	2.87766E-14	6.21575E-15	1.43633E-14	1.03416E-15
296	571590.55	4178238.99	0.55, 41782	0.57854	0.48285	0.58537	84.94405	43.3686	105.85184	10.89629	7.01254	13.23148	7.79E-11	8.39E-09	1.73E-09	2.4E-14	7.26E-14	5.74E-14	1.31E-15	3.17E-14	1.75E-15	3.48057E-14	7.793E-11	8.3854E-09	1.72888E-09	2.45952E-14	5.31257E-15	1.22763E-14	8.83891E-16
297	570310.55	4178278.99	0.55, 41782	0.11004	0.07807	0.10589	74.04292	22.79319	77.67346	10.17864	3.64675	10.70288	1.3E-11	5.2E-09	1.59E-09	4.02E-15	1.21E-14	9.59E-15	2.2E-16	5.31E-15	2.93E-16	5.81756E-15	1.303E-11	5.1999E-09	1.58618E-09	4.11093E-15	8.87962E-16	2.0519E-15	1.47737E-16
298	570350.55	4178278.99	0.55, 41782	0.12249	0.08802	0.11726	80.9847	23.74961	88.18196	11.08549	3.81596	12.05595	1.46E-11	5.6E-09	1.73E-09	4.51E-15	1.36E-14	1.08E-14	2.47E-16	5.96E-15	3.29E-16	6.53269E-15	1.463E-11	5.5976E-09	1.73445E-09	4.61628E-15	9.97117E-16	2.30413E-15	1.65898E-16
299	570390.55	4178278.99	0.55, 41782	0.13757	0.10016	0.13084	86.03589	24.80698	96.47388	11.74551	4.00404	13.13274	1.66E-11	5.94E-09	1.84E-09	5.11E-15	1.54E-14	1.22E-14	2.79E-16	6.75E-15	3.73E-16	7.40227E-15	1.657E-11	5.9429E-09	1.84396E-09	5.23076E-15	1.12984E-15	2.61084E-15	1.87981E-16
300	570430.55	4178278.99	0.55, 41782	0.15607	0.11514	0.14747	96.31741	27.84204	100.58043	12.03968	4.46456	13.6645	1.9E-11	6.53E-09	1.89E-09	5.85E-15	1.77E-14	1.4E-14	3.2E-16	7.73E-15	4.27E-16	8.47362E-15	1.897E-11	6.5327E-09	1.89367E-09	5.98782E-15	1.29337E-15	2.98871E-15	2.15187E-16
301	570470.55	4178278.99	0.55, 41782	0.17907	0.13378	0.16835	120.52086	33.01708	119.41006	15.06511	5.41696	14.92626	2.2E-11	7.84E-09	2.33E-09	6.78E-15	2.05E-14	1.62E-14	3.7E-16	8.94E-15	4.94E-16	9.80806E-15	2.196E-11	7.837E-09	2.33174E-09	6.93079E-15	1.49705E-15	3.45938E-15	2.49075E-16
302	570510.55	4178278.99	0.55, 41782	0.20795	0.15724	0.19497	141.57577	37.85068	153.41811	17.69697	6.30845	19.17726	2.57E-11	9.32E-09	2.77E-09	7.94E-15	2.4E-14	1.89E-14	4.34E-16	1.05E-14	5.78E-16	1.14898E-14	2.572E-11	9.3193E-09	2.76768E-09	8.11917E-15	1.75374E-15	4.05254E-15	2.91783E-16
303	570550.55	4178278.99	0.55, 41782	0.24435	0.18714	0.22876	153.17347	42.50173	177.88461	19.14668	7.08362	22.23558	3.05E-11	1.05E-08	3.02E-09	9.42E-15	2.84E-14	2.25E-14	5.15E-16	1.24E-14	6.86E-16	1.36296E-14	3.052E-11	1.0481E-08	3.02029E-09	9.63123E-15	2.08035E-15	4.80725E-15	3.46122E-16
304	570590.55	4178278.99	0.55, 41782	0.28993	0.22577	0.27077	157.86485	46.41285	177.78268	19.73311	7.73548	22.22284	3.67E-11	1.1E-08	3.1E-09	1.13E-14	3.42E-14	2.7E-14	6.18E-16	1.49E-14	8.24E-16	1.63723E-14	3.666E-11	1.1028E-08	3.10072E-09	1.15694E-14	2.49898E-15	5.77464E-15	4.15774E-16
305	570630.55	4178278.99	0.55, 41782	0.34541	0.27631	0.32199	169.89337	50.77009	212.69617	21.23667	9.57894	26.58702	4.46E-11	1.23E-08	3.38E-09	1.38E-14	4.15E-14	3.28E-14	7.51E-16	1.82E-14	1E-15	1.99058E-14	4.457E-11	1.2342E-08	3.38346E-09	1.40663E-14	3.03831E-15	7.02092E-15	5.05506E-16
306	570670.55	4178278.99	0.55, 41782	0.40869	0.34273	0.38328	189.16159	55.36754	226.13934	23.6452	11.64813	28.26742	5.47E-11	1.34E-08	3.74E-09	1.69E-14	5.1E-14	4.03E-14	9.23E-16	2.23E-14	1.23E-15	2.44427E-14	5.473E-11	1.3413E-08	3.74396E-09	1.72723E-14	3.73081E-15	8.62115E-15	6.20723E-16
307	570710.55	4178278.99	0.55, 41782	0.47241	0.42944	0.45188	202.37611	59.97812	249.97635	25.29701	13.4468	31.24704	6.75E-11	1.46E-08	4.02E-09	2.08E-14	6.29E-14	4.97E-14	1.14E-15	2.75E-14	1.52E-15	3.01595E-14	6.753E-11	1.4581E-08	4.02299E-09	2.1312E-14	4.60339E-15	1.06375E-14	7.659E-16
308	570750.55	4178278.99	0.55, 41782	0.52143	0.53099	0.51003	207.36077	66.44988	280.46815	28.38204	16.35494	35.05852	8.18E-11	1.6E-08	4.51E-09	2.52E-14	7.62E-14	6.02E-14	1.38E-15	3.33E-14	1.84E-15	3.6523E-14	8.177E-11	1.5981E-08	4.51362E-09	2.58087E-14	5.57469E-15	1.2882E-14	9.27502E-16
309	570790.55	4178278.99	0.55, 41782	0.56782	0.69623	0.54766	217.33897	75.80804	318.83899	33.24185	20.36018	42.96761	1.03E-10	1.79E-08	5.32E-09	3.19E-14	9.64E-14	7.62E-14	1.75E-15	4.22E-14	2.33E-15	4.62272E-14	1.035E-10	1.7945E-08	5.31965E-09	3.26661E-14	7.05588E-15	1.63047E-14	1.17394E-15
310	570830.55	4178278.99	0.55, 41782	0.62461	0.91706	0.58168	236.67869	94.57659	403.572	34.09074	24.90976	60.93237	1.32E-10	2.2E-08	5.75E-09	4.08E-14	1.23E-13	9.73E-14	2.23E-15	5.38E-14	2.97E-15	5.90372E-14	1.322E-10	2.2008E-08	5.749E-09	4.17182E-14	9.01114E-15	2.08229E-14	1.49925E-15
311	570870.55	4178278.99	0.55, 41782	0.74364	1.27032	0.64347	232.57719	121.10786	430.4482	38.76287	29.17824	53.80602	1.79E-10	2.57E-08	6.27E-09	5.51E-14	1.66E-13	1.31E-13	3.01E-15	7.27E-14	4.02E-15	7.97618E-14	1.786E-10	2.5699E-08	6.26758E-09	5.63631E-14	1.21744E-14	2.81326E-14	2.02555E-15
312	570910.55	4178278.99	0.55, 41782	0.98087	1.94043	0.78377	289.58181	139.00222	423.1545	48.26363	45.30681	59.61258	2.67E-10	2.86E-08	7.68E-09	8.24E-14	2.49E-13	1.97E-13	4.5E-15	1.09E-13	6.01E-15	1.19326E-13	2.672E-10	2.8577E-08	7.67533E-09	8.43205E-14	1.82132E-14	4.20871E-14	3.03027E-15
313	570950.55	4178278.99	0.55, 41782	1.54705	3.33468	1.05206	380.89662	209.14004	464.4183	63.48277	60.99964	77.40305	4.52E-10	3.92E-08	1.01E-08	1.39E-13	4.21E-13	3.33E-13	7.62E-15	1.84E-13	1.02E-14	2.01911E-13	4.521E-10	3.9237E-08	1.00781E-08	1.42679E-13	3.08186E-14	7.12155E-14	5.12752E-15
314	571150.55	4178278.99	0.55, 41782	125.5821	15.27099	61.53709	2183.625	235.47088	4321.7852	1020.3296	115.3363	966.08792	4.71E-09	1.35E-07	1.57E-07	1.45E-12	4.39E-12	3.46E-12	7.94E-14	1.92E-12	1.06E-13	2.10221E-12	4.707E-09	1.3471E-07	1.57144E-07	1.48551E-12	3.2087E-13	7.41465E-13	5.33855E-14
315	571190.55	4178278.99	0.55, 41782	19.14498	7.50998	20.68123	704.1647	157.76938	1300.13062	186.41477	61.8786	262.75525	1.55E-09	5.19E-08	3.02E-08	4.8E-13	1.45E-12	1.14E-12	2.62E-14	6.33E-13	3.5E-14	6.94408E-13	1.555E-09	5.1928E-08	3.0211E-08	4.90698E-13	1.05991E-13	2.44923E-13	1.76345E-14
316	571230.55	4178278.99	0.55, 41782	9.41744	4.44398	9.68706	418.2482	120.63814	710.71948	87.01567	39.51148	138.35634	8.49E-10	3.31E-08	1.44E-08	2.62E-13	7.91E-13	6.25E-13	1.43E-14	3.46E-13	1.91E-14	3.79202E-13	8.49E-10	3.3102E-08	1.43754E-08	2.6796E-13	5.78794E-14	1.33747E-13	9.62981E-15
317	571270.55	4178278.99	0.55, 41782	5.33507	3.02277	5.65407	265.61255	99.06709	486.13138	58.88721	29.56115	89.94232	5.46E-10	2.44E-08	9.66E-09	1.69E-13	5.09E-13	4.02E-13	9.21E-15	2.23E-13	1.23E-14	2.44007E-13	5.463E-10	2.4403E-08	9.66422E-09	1.72426E-13	3.7244E-14	8.60633E-14	6.19656E-15
318	571310.55	4178278.99	0.55, 41782	3.44949	2.20529	3.73581	197.38222	83.78037	349.19747	42.40574	23.44903	62.97539	3.86E-10	1.92E-08	6.93E-09	1.19E-13	3.59E-13	2.84E-13	6.5E-15	1.57E-13	8.67E-15	1.7224E-13	3.856E-10	1.9181E-08	6.92817E-09	1.21712E-13	2.62899E-14	6.07506E-14	4.37404E-15
319	571350.55	4178278.99	0.55, 41782	2.42474	1.67304	2.63741	164.77993	74.08708	262.11907	31.82391	19.20475	45.98547	2.86E-10	1.6E-08	5.18E-09	8.84E-14	2.67E-13	2.11E-13	4.83E-15	1.17E-13	6.44E-15	1.27946E-13	2.865E-10	1.6013E-08	5.17714E-09	9.04119E-14	1.9529E-14	4.51275E-14	3.24918E-15
320	571390.55	4178278.99	0.55, 41782	1.80332	1.30805	1.94946	139.62437	66.18564	204.22507	24.75802	16.07748	34.84377	2.21E-10	1.37E-08	4.01E-09	6.81E-14	2.06E-13	1.62E-13	3.72E-15	8.99E-14	4.96E-15	9.85835E-14	2.207E-10	1.3679E-08	4.01145E-09	6.96633E-14	1.50473E-14	3.47712E-14	2.50352E-15
321	571430.55	4178278.99	0.55, 41782	1.38872	1.04688	1.49158	120.07885	59.47148	164.54693	19.78612	13.66223	27.17412	1.75E-10	1.19E-08	3.19E-09	5.39E-14	1.63E-13	1.29E-13	2.95E-15	7.12E-14	3.93E-15	7.80273E-14	1.747E-10	1.1886E-08	3.19417E-09	5.51375E-14	1.19097E-14	2.75209E-14	1.9815E-15
322	571470.55	4178278.99	0.55, 41782	1.11171	0.86066	1.18684	104.95004	53.66694	136.91558	16.34545	11.81303	21.87493	1.43E-10	1.05E-08	2.63E-09	4.4E-14	1.33E-13	1.05E-13	2.4E-15	5.8E-14	3.2E-15	6.3655E-14	1.425E-10	1.0477E-08	2.62874E-09	4.49813E-14	9.71597E-15	2.24516E-14	1.61652E-15
323	571510.55	4178278.99	0.55, 41782	0.90331	0.71725	0.95952	92.95227	48.50847	116.77816	13.70064	10.27697	17.93941	1.18E-10	9.32E-09	2.2E-09	3.64E-14	1.1E-13	8.68E-14	1.99E-15	4.8E-14	2.65E-15	5.26746E-14	1.179E-10	9.3224E-09	2.1965E-09	3.72221E-14	8.03998E-15	1.85787E-14	1.33767E-15
324	571550.55	4178278.99	0.55, 41782	0.74685	0.60641	0.79002	83.35854	43.88956	102.16829	11.6678	9.00306	14.97338	9.91E-11	8.36E-09	1.87E-09	3.06E-14	9.23E-14	7.29E-14	1.67E-15	4.04E-14	2.23E-15	4.42647E-14	9.911E-11	8.3637E-09	1.8653E-09	3.12794E-14	6.75634E-15	1.56125E-14	1.1241E-15
325	571590.55	4178278.99	0.55, 41782	0.63093	0.52161	0.66513	75.57295	41.1264	91.05382	10.11638	7.96472	12.7323	8.48E-11	7.72E-09	1.61E-09	2.62E-14	7.9E-14	6.24E-14	1.43E-15	3.46E-14	1.91E-15	3.78914E-14	8.484E-11	7.7203E-09	1.61293E-09	2.67757E-14	5.78354E-15	1.33646E-14	9.62251E-16
326	570310.55	4178318.99	0.55, 41783	0.1112	0.07908	0.10686	65.67409	25.12162	71.57917	10.72274	3.92383	11.92986	1.32E-11	5.27E-09	1.68E-09	4.07E-15	1.23E-14	9.7E-15	2.22E-16	5.37E-15	2.96E-16	5.88807E-15	1.318E-11	5.2652E-09	1.68236E-09	4.16076E-15	8.98725E-16	2.07677E-15	1.49527E-16
327	570350.55	4178318.99	0.55, 41783	0.12381	0.08915	0.11863	72.99363	26.3644	78.028	10.96785	4.13077	12.26515	1.48E-11	5.63E-09	1.72E-09	4.57E-15	1.38E-14	1.09E-14	2.5E-16	6.03E-15	3.33E-16	6.61394E-15	1.481E-11	5.6329E-09	1.72191E-09	4.67369E-15	1.00952E-15	2.33279E-15	1.67961E-16
328	570390.55	4178318.99	0.55, 41783	0.13907	0.1015	0.13256	85.61577	27.73961	87.79758	11.84211	4.3586	12.34233	1.68E-11	6.15E-09	1.84E-09	5.18E-15	1.56E-14	1.24E-14	2.83E-16	6.84E-15	3.77E-16	7.49895E-15	1.679E-11	6.1486E-09	1.84349E-09	5.29908E-15	1.1446E-15	2.64494E-15	1.90436E-16
329	570430.55	4178318.99	0.55, 41783	0.15783	0.11689	0.14946	97.99246	29.27563	105.83642	13.47747	4.61214	14.5399	1.92E-11	6.82E-09	2.11E-09	5.94E-15	1.79E-14	1.42E-14	3.25E-16	7.84E-15	4.33E-16	8.59665E-15	1.925E-11	6.8247E-09	2.10665E-09	6.07476E-15	1.31215E-15	3.03211E-15	2.18312E-16
330	570470.55	4178318.99	0.55, 41783	0.18134	0.13633	0.17027	108.90086	31.01454	122.78	14.92794	4.89871	16.74752	2.23E-11	7.49E-09	2.34E-09	6.89E-15	2.08E-14	1.64E-14	3.77E-16	9.1E-15	5.02E-16	9.97789E-15	2.234E-11	7.4863E-09	2.34456E-09	7.0508E-15	1.52297E-15	3.51928E-15	2.53388E-16
331	570510.55	4178318.99	0.55, 41783	0.21129	0.16124	0.19656	118.40452	33.29424	135.32696	15.9306	5.40834	18.39398	2.63E-11	8.12E-09	2.51E-09	8.11E-15	2.45E-14	1.94E-14	4.43E-16	1.07E-14	5.91E-16	1.17438E-14	2.629E-11	8.1187E-09	2.51111E-09	8.29864E-15	1.79251E-15	4.14212E-15	2.98232E-16
332	570550.55	4178318.99	0.55, 41783	0.2503	0.19368	0.23096	153.9338	39.94632	153.89508	19.24172	6.62991	19.23689	3.14E-11	9.76E-09	2.98E-09	9.7E-15	2.93E-14	2.31E-14	5.3E-16	1.28E-14	7.07E-16	1.40447E-14	3.145E-11	9.7587E-09	2.98118E-09	9.92462E-15	2.14372E-15	4.95369E-15	3.56666E-16
333	570590.55	4178318.99	0.55, 41783	0.30196	0.23671	0.27701	186.54438	46.61587	209.37606	23.31805	7.76931	26.17201	3.83E-11	1.2E-08	3.66E-09	1.18E-14	3.57E-14	2.82E-14	6.46E-16	1.56E-14	8.61E-16	1.70996E-14	3.828E-11	1.2003E-08	3.6625E-09	1.20833E-14	2.61E-15	6.03117E-15	4.34244E-16
334	570630.55	4178318.99	0.55, 41783	0.37105	0.29503	0.3391	205.0145	52.79857	247.59232	25.62681	8.79976	30.94904	4.75E-11	1.37E-08	4.06E-09	1.47E-14	4.43E-14	3.5E-14	8.02E-16	1.94E-14	1.07E-15	2.12317E-14	4.754E-11	1.3689E-08	4.06317E-09	1.50032E-14	3.2407E-15	7.4886E-15	5.39179E-16
335	570670.55	4178318.99	0.55, 41783	0.462	0.37572	0.42024	218.45656	59.57781	273.51496	27.30707	11.98561	34.18937	6.02E-11	1.52E-08	4.35E-09	1.86E-14	5.61E-14	4.43E-14	1.01E-15	2.45E-14	1.35E-15	2.68829E-14	6.019E-11	1.5165E-08	4.35065E-09	1.89966E-14	4.10327E-15	9.48181E-15	6.8269E-16
336	570710.55	4178318.99	0.55, 41783	0.57218	0.48827	0.5224	242.44958	66.62286	291.17197	30.3062	15.15553	36.3965	7.74E-11	1.67E-08	4.8E-09	2.39E-14	7.21E-14	5.7E-14	1.31E-15	3.15E-14	1.74E-15	3.45761E-14	7.741E-11	1.6677E-08	4.80154E-09	2.44329E-14	5.27751E-15	1.21952E-14	8.78058E-16
337	570750.55	4178318.99	0.55, 41783	0.67767	0.63416	0.63666	262.41203	72.71034	341.04886	32.8015	17.84948	42.63111	9.89E-11	1.86E-08	5.25E-09	3.05E-14	9.22E-14	7.28E-14	1.67E-15	4.03E-14	2.22E-15	4.41749E-14	9.89E-11	1.8576E-08	5.25323E-09	3.12158E-14	6.74262E-15	1.55808E-14	1.12182E-15
338	570790.55	4178318.99	0.55, 41783	0.76041	0.85502	0.73352	285.66779	86.45349	381.79277	42.9347	23.67926	50.68659	1.29E-10	2.13E-08	6.79E-09	3.98E-14	1.2E-13	9.5E-14	2.18E-15	5.26E-14	2.9E-15	5.76363E-14	1.29E-10	2.1307E-08	6.78709E-09	4.07283E-14	8.7973E-15	2.03288E-14	1.46367E-15
339	570830.55	4178318.99	0.55, 41783	0.82107	1.23378	0.77266	302.59427	109.05103	424.78874	45.07728	29.79255	65.49858	1.77E-10	2.51E-08	7.34E-09	5.47E-14	1.65E-13	1.31E-13	2.99E-15	7.23E-14	3.99E-15	7.92298E-14	1.774E-10	2.5084E-08	7.33951E-09	5.59872E-14	1.20932E-14	2.7945E-14	2.01204E-15
340	570870.55	4178318.99	0.55, 41783	0.93174	1.8881	0.81484	263.71888	150.69846	583.61	37.23183	42.82711	79.94464	2.61E-10	3.25E-08	6.51E-09	8.04E-14	2.43E-13	1.92E-13	4.39E-15	1.06E-13	5.86E-15	1.16372E-13	2.605E-10	3.2455E-08	6.51184E-09	8.22336E-14	1.77625E-14	4.10454E-14	2.95527E-15
341	570910.55	4178318.99	0.55, 41783	1.19482	3.5981	0.94641	225.26352	195.84246	582.08496	37.31993	59.22953	72.76062	4.78E-10	3.75E-08	6.4E-09	1.47E-13	4.45E-13	3.52E-13	8.06E-15	1.95E-13	1.07E-14	2.13444E-13	4.779E-10	3.7474E-08	6.39895E-09	1.50828E-13	3.25789E-14	7.52833E-14	5.42039E-15
342	571190.55	4178318.99	0.55, 41783	29.13102	9.74239	24.19825	1204.46355	192.40018	1781.17361	337.10397	86.14095	400.692	2.03E-09	7.15E-08	5.33E-08	6.27E-13	1.89E-12	1.49E-12	3.42E-14	8.27E-13	4.57E-14	9.07086E-13	2.031E-09	7.1544E-08	5.33365E-08	6.40986E-13	1.38453E-13	3.19937E-13	2.30354E-14
343	571230.55	4178318.99	0.55, 41783	10.45163	5.25398	11.58574	479.33008	117.37647	725.29291	126.19986	44.06446	185.38424	9.97E-10	3.38E-08	2.06E-08	3.08E-13	9.29E-13	7.33E-13	1.68E-14	4.06E-13	2.24E-14	4.4511E-13	9.966E-10	3.3803E-08	2.05829E-08	3.14534E-13	6.79393E-14	1.56994E-13	1.13036E-14
344	571270.55	4178318.99	0.55, 41783	5.72808	3.4301	6.64009	292.22118	96.9874	479.91721	63.79547	33.00222	105.59121	6.19E-10	2.44E-08	1.06E-08	1.91E-13	5.77E-13	4.56E-13	1.04E-14	2.52E-13	1.39E-14	2.76604E-13	6.193E-10	2.4408E-08	1.06116E-08	1.9546E-13	4.22194E-14	9.75603E-14	7.02434E-15
345	571310.55	4178318.99	0.55, 41783	3.67711	2.43151	4.23514	175.48484	83.52768	339.71763	43.52526	25.92364	69.01312	4.25E-10	1.87E-08	7.19E-09	1.31E-13	3.96E-13	3.13E-13	7.17E-15	1.73E-13	9.57E-15	1.90027E-13	4.255E-10	1.868E-08	7.1872E-09	1.34281E-13	2.90047E-14	6.70239E-14	4.82572E-15
346	571350.55	4178318.99	0.55, 41783	2.57847	1.81872	2.91777	135.74456	73.58424	245.66728	31.86463	21.08438	47.561	3.11E-10	1.53E-08	5.21E-09	9.61E-14	2.9E-13	2.29E-13	5.25E-15	1.27E-13	7E-15	1.39124E-13	3.115E-10	1.5261E-08	5.21015E-09	9.83108E-14	2.12351E-14	4.90701E-14	3.53304E-15
347	571390.55	4178318.99	0.55, 41783	1.91038	1.41202	2.12389	114.67965	65.84745	189.40245	24.95277	17.54375	35.6451	2.38E-10	1.3E-08	4.05E-09	7.35E-14	2.22E-13	1.75E-13	4.01E-15	9.7E-14	5.35E-15	1.06345E-13	2.381E-10	1.3032E-08	4.05217E-09	7.51481E-14	1.6232E-14	3.75088E-14	2.70063E-15
348	571430.55	4178318.99	0.55, 41783	1.47151	1.12853	1.61377	100.57811	59.61061	161.57422	20.18585	14.84739	27.57311	1.88E-10	1.16E-08	3.26E-09	5.8E-14	1.75E-13	1.38E-13	3.17E-15	7.66E-14	4.23E-15	8.39998E-14	1.881E-10	1.158E-08	3.25609E-09	5.93579E-14	1.28213E-14	2.96274E-14	2.13317E-15
349	571470.55	4178318.99	0.55, 41783	1.16585	0.92218	1.2649	90.09229	54.43044	139.38169	16.69193	12.71837	21.87498	1.52E-10	1.04E-08	2.68E-09	4.7E-14	1.42E-13	1.12E-13	2.57E-15	6.2E-14	3.42E-15	6.7995E-14	1.522E-10	1.0408E-08	2.6764E-09	4.80481E-14	1.03784E-14	2.39824E-14	1.72673E-15
350	571510.55	4178318.99	0.55, 41783	0.94595	0.76805	1.01773	81.52103	50.05282	121.69	14.06823	11.00608	17.76049	1.26E-10	9.44E-09	2.24E-09	3.88E-14	1.17E-13	9.26E-14	2.12E-15	5.12E-14	2.83E-15	5.61969E-14	1.258E-10	9.4396E-09	2.24394E-09	3.97111E-14	8.5776E-15	1.98211E-14	1.42712E-15
351	571550.55	4178318.99	0.55, 41783	0.78212	0.64956	0.83556	74.38547	46.28731	107.35752	12.02264	9.59923	14.66288	1.06E-10	8.63E-09	1.91E-09	3.26E-14	9.85E-14	7.78E-14	1.78E-15	4.31E-14	2.38E-15	4.72204E-14	1.057E-10	8.6254E-09	1.9087E-09	3.33679E-14	7.20747E-15	1.6655E-14	1.19916E-15
352	571590.55	4178318.99	0.55, 41783	0.65442	0.55508	0.69496	68.29245	42.98116	95.34122	10.3334	8.40789	12.26582	8.98E-11	7.92E-09	1.63E-09	2.77E-14	8.37E-14	6.61E-14	1.51E-15	3.66E-14	2.02E-15	4.01172E-14	8.982E-11	7.9228E-09	1.63466E-09	2.83485E-14	6.12328E-15	1.41497E-14	1.01878E-15
353	570310.55	4178358.99	0.55, 41783	0.11229	0.07993	0.10794	69.29068	26.58817	75.81746	11.54845	4.0095	12.46153	1.33E-11	5.57E-09	1.81E-09	4.11E-15	1.24E-14	9.8E-15	2.25E-16	5.43E-15	3E-16	5.95017E-15	1.332E-11	5.5706E-09	1.80518E-09	4.20465E-15	9.08204E-16	2.09867E-15	1.51105E-16
354	570350.55	4178358.99	0.55, 41783	0.12531	0.09043	0.1201	75.30937	28.06345	82.61098	12.55156	4.25756	13.7685	1.5E-11	5.95E-09	1.97E-09	4.63E-15	1.4E-14	1.1E-14	2.53E-16	6.11E-15	3.38E-16	6.70536E-15	1.501E-11	5.9549E-09	1.96588E-09	4.73829E-15	1.02347E-15	2.36503E-15	1.70282E-16
355	570390.55	4178358.99	0.55, 41783	0.14084	0.10296	0.13441	81.29058	29.71471	90.82388	13.54843	4.53386	15.13731	1.7E-11	6.39E-09	2.13E-09	5.25E-15	1.59E-14	1.25E-14	2.87E-16	6.94E-15	3.83E-16	7.60494E-15	1.703E-11	6.3852E-09	2.12681E-09	5.37398E-15	1.16078E-15	2.68232E-15	1.93127E-16
356	570430.55	4178358.99	0.55, 41783	0.15989	0.11858	0.15186	87.11605	31.54887	98.44842	14.51934	4.83992	16.40807	1.95E-11	6.83E-09	2.28E-09	6.03E-15	1.82E-14	1.44E-14	3.29E-16	7.95E-15	4.39E-16	8.72142E-15	1.953E-11	6.8257E-09	2.28246E-09	6.16293E-15	1.33119E-15	3.07611E-15	2.2148E-16
357	570470.55	4178358.99	0.55, 41783	0.18374	0.13844	0.17326	97.3598	33.59814	106.34308	15.36354	5.1813	17.51553	2.27E-11	7.36E-09	2.42E-09	7E-15	2.11E-14	1.67E-14	3.83E-16	9.24E-15	5.1E-16	1.01325E-14	2.269E-11	7.359E-09	2.41784E-09	7.16009E-15	1.54658E-15	3.57383E-15	2.57316E-16
358	570510.55	4178358.99	0.55, 41783	0.21432	0.16421	0.20002	118.04415	35.93263	125.3205	16.48105	5.5698	18.1537	2.68E-11	8.27E-09	2.58E-09	8.26E-15	2.49E-14	1.97E-14	4.51E-16	1.09E-14	6.02E-16	1.19535E-14	2.676E-11	8.2657E-09	2.58264E-09	8.44683E-15	1.82452E-15	4.21608E-15	3.03558E-16
359	570550.55	4178358.99	0.55, 41783	0.25472	0.19842	0.23435	139.50155	38.63371	157.96544	19.4148	6.01971	21.81117	3.22E-11	9.47E-09	3.05E-09	9.92E-15	3E-14	2.37E-14	5.42E-16	1.31E-14	7.23E-16	1.43603E-14	3.215E-11	9.4664E-09	3.04978E-09	1.01476E-14	2.19188E-15	5.06498E-15	3.64679E-16
360	570590.55	4178358.99	0.55, 41783	0.30979	0.24497	0.28017	159.83108	41.83842	190.36526	22.23989	6.84975	26.13545	3.95E-11	1.07E-08	3.51E-09	1.22E-14	3.68E-14	2.9E-14	6.66E-16	1.61E-14	8.87E-16	1.76289E-14	3.947E-11	1.0709E-08	3.51358E-09	1.24573E-14	2.69079E-15	6.21786E-15	4.47686E-16
361	570630.55	4178358.99	0.55, 41783	0.38734	0.31015	0.34391	206.43147	51.05257	211.21178	25.80393	8.50876	28.98998	4.97E-11	1.29E-08	4.05E-09	1.53E-14	4.63E-14	3.66E-14	8.38E-16	2.02E-14	1.12E-15	2.22052E-14	4.972E-11	1.286E-08	4.05344E-09	1.56911E-14	3.38929E-15	7.83195E-15	5.639E-16
362	570670.55	4178358.99	0.55, 41783	0.50063	0.40488	0.43681	262.98595	60.70684	312.78941	32.87324	10.74505	39.09868	6.46E-11	1.66E-08	5.2E-09	1.99E-14	6.02E-14	4.76E-14	1.09E-15	2.63E-14	1.45E-15	2.88618E-14	6.462E-11	1.6608E-08	5.20163E-09	2.0395E-14	4.40532E-15	1.01798E-14	7.32946E-16
363	570710.55	4178358.99	0.55, 41783	0.66972	0.54814	0.57453	304.17814	72.14807	380.66102	38.02227	15.71205	47.58263	8.71E-11	1.98E-08	6.06E-09	2.69E-14	8.11E-14	6.41E-14	1.47E-15	3.55E-14	1.96E-15	3.88932E-14	8.708E-11	1.9777E-08	6.05743E-09	2.74836E-14	5.93646E-15	1.37179E-14	9.87692E-16
364	570750.55	4178358.99	0.55, 41783	0.90523	0.76876	0.77041	339.35657	85.82023	445.46467	44.72327	21.31802	55.68308	1.21E-10	2.31E-08	7.12E-09	3.74E-14	1.13E-13	8.91E-14	2.04E-15	4.93E-14	2.72E-15	5.40608E-14	1.21E-10	2.3084E-08	7.12002E-09	3.82017E-14	8.25156E-15	1.90677E-14	1.37287E-15
365	570790.55	4178358.99	0.55, 41783	1.13154	1.06104	0.98839	377.53193	96.31599	507.3356	54.94081	27.90141	63.41695	1.64E-10	2.6E-08	8.66E-09	5.06E-14	1.53E-13	1.21E-13	2.77E-15	6.68E-14	3.69E-15	7.32994E-14	1.641E-10	2.599E-08	8.65988E-09	5.17965E-14	1.1188E-14	2.58533E-14	1.86144E-15
366	570830.55	4178358.99	0.55, 41783	1.33226	1.74963	1.18947	411.58415	139.14147	649.42864	69.46909	37.35577	97.59965	2.56E-10	3.42E-08	1.13E-08	7.89E-14	2.38E-13	1.88E-13	4.31E-15	1.04E-13	5.75E-15	1.14129E-13	2.555E-10	3.423E-08	1.12529E-08	8.06483E-14	1.742E-14	4.02541E-14	2.8983E-15
367	570870.55	4178358.99	0.55, 41783	1.45984	3.38436	1.19217	346.78431	184.49712	847.26971	52.43952	61.49528	124.03925	4.59E-10	4.24E-08	9.37E-09	1.42E-13	4.28E-13	3.38E-13	7.75E-15	1.87E-13	1.03E-14	2.052E-13	4.594E-10	4.2377E-08	9.37073E-09	1.45003E-13	3.13207E-14	7.23758E-14	5.21106E-15
368	571150.55	4178358.99	0.55, 41783	17.36196	17.82412	10.70274	1537.79423	258.8776	2153.28101	350.34789	128.93656	372.67701	2.63E-09	9.09E-08	5.47E-08	8.12E-13	2.45E-12	1.94E-12	4.44E-14	1.07E-12	5.92E-14	1.17524E-12	2.631E-09	9.0877E-08	5.46706E-08	8.30474E-13	1.79382E-13	4.14516E-13	2.98452E-14
369	571190.55	4178358.99	0.55, 41783	10.35157	8.16971	8.42586	590.93034	162.31709	1380.32388	161.82999	76.08872	218.22557	1.3E-09	5.23E-08	2.61E-08	4.01E-13	1.21E-12	9.57E-13	2.19E-14	5.3E-13	2.92E-14	5.80914E-13	1.301E-09	5.231E-08	2.60549E-08	4.10499E-13	8.86677E-14	2.04893E-13	1.47523E-14
370	571230.55	4178358.99	0.55, 41783	6.41954	4.85697	6.11014	429.96716	118.18476	649.38165	103.83364	47.29307	136.54892	7.96E-10	3.19E-08	1.67E-08	2.46E-13	7.42E-13	5.86E-13	1.34E-14	3.24E-13	1.79E-14	3.55565E-13	7.961E-10	3.1895E-08	1.6657E-08	2.51257E-13	5.42716E-14	1.25411E-13	9.02956E-15
371	571270.55	4178358.99	0.55, 41783	4.24607	3.28764	4.46672	330.34534	97.41521	669.03521	71.25122	30.79427	101.30501	5.43E-10	2.83E-08	1.16E-08	1.68E-13	5.06E-13	4E-13	9.16E-15	2.21E-13	1.22E-14	2.42633E-13	5.432E-10	2.8282E-08	1.15624E-08	1.71455E-13	3.70342E-14	8.55785E-14	6.16165E-15
372	571310.55	4178358.99	0.55, 41783	3.01802	2.39332	3.29044	280.32399	84.30249	476.5001	47.38187	23.6076	69.83839	3.95E-10	2.26E-08	7.73E-09	1.22E-13	3.68E-13	2.91E-13	6.66E-15	1.61E-13	8.88E-15	1.76478E-13	3.951E-10	2.2615E-08	7.73199E-09	1.24707E-13	2.69367E-14	6.22452E-14	4.48165E-15
373	571350.55	4178358.99	0.55, 41783	2.25439	1.82521	2.47896	223.1696	75.03337	276.07803	32.74083	19.24184	47.29925	3E-10	1.72E-08	5.33E-09	9.26E-14	2.8E-13	2.21E-13	5.06E-15	1.22E-13	6.75E-15	1.34057E-13	3.001E-10	1.7186E-08	5.32611E-09	9.47303E-14	2.04617E-14	4.72829E-14	3.40437E-15
374	571390.55	4178358.99	0.55, 41783	1.7395	1.43625	1.90839	164.0034	68.00709	177.73654	25.39154	16.17569	38.72375	2.35E-10	1.38E-08	4.17E-09	7.25E-14	2.19E-13	1.73E-13	3.96E-15	9.57E-14	5.28E-15	1.04946E-13	2.35E-10	1.3783E-08	4.16609E-09	7.41591E-14	1.60184E-14	3.70152E-14	2.66509E-15
375	571430.55	4178358.99	0.55, 41783	1.37666	1.15767	1.50113	113.66708	62.41604	162.05892	21.33563	13.79366	30.03325	1.88E-10	1.21E-08	3.46E-09	5.81E-14	1.76E-13	1.39E-13	3.18E-15	7.67E-14	4.24E-15	8.41436E-14	1.884E-10	1.2118E-08	3.45703E-09	5.94594E-14	1.28432E-14	2.96781E-14	2.13682E-15
376	571470.55	4178358.99	0.55, 41783	1.11313	0.95193	1.20554	91.64258	57.80687	139.39839	17.74486	11.89568	22.85385	1.54E-10	1.08E-08	2.84E-09	4.76E-14	1.44E-13	1.13E-13	2.6E-15	6.28E-14	3.47E-15	6.88484E-14	1.541E-10	1.0847E-08	2.83824E-09	4.86512E-14	1.05087E-14	2.42834E-14	1.7484E-15
377	571510.55	4178358.99	0.55, 41783	0.9166	0.79605	0.98663	82.11168	53.90312	116.32041	14.64829	10.35284	20.08654	1.28E-10	9.83E-09	2.36E-09	3.96E-14	1.2E-13	9.44E-14	2.16E-15	5.23E-14	2.89E-15	5.73186E-14	1.283E-10	9.8304E-09	2.3642E-09	4.05038E-14	8.74882E-15	2.02167E-14	1.45561E-15
378	571550.55	4178358.99	0.55, 41783	0.76622	0.67498	0.82026	72.9064	50.52239	102.58687	12.13868	9.07968	17.28494	1.08E-10	9.05E-09	1.97E-09	3.34E-14	1.01E-13	7.98E-14	1.83E-15	4.41E-14	2.44E-15	4.84061E-14	1.084E-10	9.0454E-09	1.97029E-09	3.42058E-14	7.38846E-15	1.70732E-14	1.22927E-15
379	571590.55	4178358.99	0.55, 41783	0.64386	0.57575	0.68602	65.94968	47.48497	92.44167	10.99161	8.00686	15.40694	9.21E-11	8.4E-09	1.78E-09	2.84E-14	8.58E-14	6.78E-14	1.55E-15	3.75E-14	2.07E-15	4.11233E-14	9.207E-11	8.3965E-09	1.77984E-09	2.90595E-14	6.27685E-15	1.45045E-14	1.04433E-15
380	570310.55	4178398.99	0.55, 41783	0.11287	0.08031	0.1093	71.34246	27.87564	79.43468	11.89041	3.82503	13.23911	1.34E-11	5.82E-09	1.87E-09	4.14E-15	1.25E-14	9.86E-15	2.26E-16	5.46E-15	3.01E-16	5.98533E-15	1.34E-11	5.8212E-09	1.86574E-09	4.22949E-15	9.1357E-16	2.11107E-15	1.51997E-16
381	570350.55	4178398.99	0.55, 41783	0.12665	0.09175	0.12214	75.96419	29.57043	83.22909	12.46202	4.12173	13.80548	1.52E-11	6.16E-09	1.95E-09	4.7E-15	1.42E-14	1.12E-14	2.57E-16	6.2E-15	3.42E-16	6.80243E-15	1.523E-11	6.1611E-09	1.95421E-09	4.80689E-15	1.03829E-15	2.39927E-15	1.72747E-16
382	570390.55	4178398.99	0.55, 41783	0.1425	0.10434	0.13672	83.29233	31.439	92.96873	13.04897	4.44958	14.404	1.73E-11	6.66E-09	2.05E-09	5.33E-15	1.61E-14	1.27E-14	2.91E-16	7.03E-15	3.88E-16	7.70941E-15	1.726E-11	6.6636E-09	2.04535E-09	5.4478E-15	1.17672E-15	2.71917E-15	1.9578E-16
383	570430.55	4178398.99	0.55, 41783	0.16211	0.12032	0.15453	91.32735	33.521	103.76057	14.59534	4.81492	15.65812	1.98E-11	7.22E-09	2.28E-09	6.12E-15	1.85E-14	1.46E-14	3.34E-16	8.07E-15	4.46E-16	8.85205E-15	1.982E-11	7.2206E-09	2.27986E-09	6.25523E-15	1.35113E-15	3.12219E-15	2.24797E-16
384	570470.55	4178398.99	0.55, 41783	0.18668	0.14051	0.17655	100.43451	35.89015	115.76296	16.57018	5.22899	18.35818	2.3E-11	7.85E-09	2.6E-09	7.11E-15	2.15E-14	1.7E-14	3.88E-16	9.38E-15	5.18E-16	1.02907E-14	2.304E-11	7.8491E-09	2.59846E-09	7.27184E-15	1.57072E-15	3.62961E-15	2.61332E-16
385	570510.55	4178398.99	0.55, 41783	0.21834	0.16684	0.20421	112.76596	38.62084	128.93318	18.79433	5.70408	21.48886	2.72E-11	8.59E-09	2.96E-09	8.4E-15	2.54E-14	2E-14	4.59E-16	1.11E-14	6.12E-16	1.21562E-14	2.722E-11	8.5874E-09	2.95883E-09	8.59012E-15	1.85547E-15	4.2876E-15	3.08707E-16
386	570550.55	4178398.99	0.55, 41783	0.26039	0.20212	0.2399	127.75395	41.82578	149.79254	21.29232	6.25899	24.96542	3.28E-11	9.56E-09	3.36E-09	1.01E-14	3.05E-14	2.41E-14	5.53E-16	1.34E-14	7.37E-16	1.4643E-14	3.278E-11	9.5552E-09	3.36289E-09	1.03473E-14	2.23502E-15	5.16468E-15	3.71857E-16
387	570590.55	4178398.99	0.55, 41783	0.3185	0.25095	0.28739	144.10526	45.67081	172.10131	24.01754	7.17597	28.68355	4.05E-11	1.06E-08	3.8E-09	1.25E-14	3.77E-14	2.98E-14	6.82E-16	1.65E-14	9.1E-16	1.80694E-14	4.046E-11	1.0646E-08	3.80241E-09	1.27686E-14	2.75801E-15	6.3732E-15	4.58871E-16
388	570630.55	4178398.99	0.55, 41783	0.40291	0.32135	0.35272	177.65061	50.39519	203.06539	27.05917	8.74903	32.05961	5.15E-11	1.22E-08	4.28E-09	1.59E-14	4.8E-14	3.79E-14	8.68E-16	2.1E-14	1.16E-15	2.29889E-14	5.147E-11	1.2236E-08	4.27949E-09	1.62449E-14	3.5089E-15	8.10835E-15	5.83801E-16
389	570670.55	4178398.99	0.55, 41783	0.53348	0.4284	0.44753	224.79663	56.41372	278.51402	32.60934	10.76331	39.25369	6.82E-11	1.49E-08	5.17E-09	2.1E-14	6.35E-14	5.02E-14	1.15E-15	2.78E-14	1.53E-15	3.0448E-14	6.817E-11	1.4949E-08	5.16803E-09	2.15159E-14	4.64742E-15	1.07392E-14	7.73226E-16
390	570710.55	4178398.99	0.55, 41783	0.75271	0.60288	0.59636	297.96202	70.92072	361.49768	41.13122	14.0152	50.83456	9.54E-11	1.92E-08	6.54E-09	2.94E-14	8.89E-14	7.02E-14	1.61E-15	3.88E-14	2.14E-15	4.26012E-14	9.538E-11	1.9205E-08	6.54161E-09	3.01038E-14	6.50242E-15	1.50258E-14	1.08186E-15
391	570750.55	4178398.99	0.55, 41783	1.15447	0.90762	0.85203	416.42427	90.04322	551.74774	52.05303	22.1169	68.96847	1.43E-10	2.65E-08	8.36E-09	4.42E-14	1.33E-13	1.05E-13	2.41E-15	5.83E-14	3.22E-15	6.39115E-14	1.431E-10	2.6528E-08	8.35931E-09	4.51626E-14	9.75513E-15	2.25421E-14	1.62303E-15
392	570790.55	4178398.99	0.55, 41783	1.70092	1.35462	1.23288	632.44551	121.09647	736.15706	79.05569	31.00919	92.01963	2.13E-10	3.66E-08	1.25E-08	6.56E-14	1.98E-13	1.56E-13	3.58E-15	8.66E-14	4.78E-15	9.49489E-14	2.126E-10	3.6583E-08	1.24743E-08	6.7095E-14	1.44925E-14	3.34892E-14	2.41122E-15
393	570830.55	4178398.99	0.55, 41783	3.46088	2.976	2.05541	854.46592	185.76652	929.26678	157.19416	64.23703	133.05669	4.52E-10	5.1E-08	2.39E-08	1.39E-13	4.21E-13	3.33E-13	7.62E-15	1.84E-13	1.02E-14	2.01804E-13	4.518E-10	5.1028E-08	2.39353E-08	1.42603E-13	3.08023E-14	7.11779E-14	5.12481E-15
394	571110.55	4178398.99	0.55, 41783	4.7766	17.70794	5.53677	386.44752	237.89657	1139.86397	91.74551	117.26543	182.49582	2.35E-09	5.46E-08	1.58E-08	7.26E-13	2.19E-12	1.73E-12	3.97E-14	9.58E-13	5.29E-14	1.05043E-12	2.352E-09	5.4622E-08	1.57939E-08	7.42276E-13	1.60332E-13	3.70494E-13	2.66755E-14
395	571150.55	4178398.99	0.55, 41783	4.75682	9.04164	4.75414	493.27775	194.83019	977.82769	91.47407	80.27894	179.74579	1.27E-09	4.8E-08	1.57E-08	3.91E-13	1.18E-12	9.32E-13	2.14E-14	5.16E-13	2.85E-14	5.65734E-13	1.267E-09	4.7966E-08	1.57088E-08	3.99772E-13	8.63507E-14	1.99539E-13	1.43668E-14
396	571190.55	4178398.99	0.55, 41783	4.13591	5.67532	3.9763	541.83424	159.29594	784.3481	82.25115	55.55038	130.43816	8.28E-10	4.09E-08	1.36E-08	2.56E-13	7.72E-13	6.1E-13	1.4E-14	3.37E-13	1.86E-14	3.69966E-13	8.283E-10	4.0882E-08	1.35823E-08	2.61434E-13	5.64697E-14	1.3049E-13	9.39527E-15
397	571230.55	4178398.99	0.55, 41783	3.34043	3.91116	3.41587	419.25179	113.41297	723.05548	67.92735	42.50701	103.29364	5.89E-10	3.24E-08	1.11E-08	1.82E-13	5.49E-13	4.34E-13	9.94E-15	2.4E-13	1.33E-14	2.63261E-13	5.894E-10	3.2437E-08	1.11399E-08	1.86031E-13	4.01828E-14	9.28542E-14	6.6855E-15
398	571270.55	4178398.99	0.55, 41783	2.69096	2.84934	2.72459	276.99568	96.24025	620.23738	46.4546	32.10306	94.16047	4.37E-10	2.65E-08	8.03E-09	1.35E-13	4.07E-13	3.22E-13	7.37E-15	1.78E-13	9.83E-15	1.95225E-13	4.371E-10	2.6545E-08	8.02767E-09	1.37954E-13	2.97981E-14	6.88573E-14	4.95773E-15
399	571310.55	4178398.99	0.55, 41783	2.15304	2.16763	2.23142	240.01182	84.08056	257.12386	39.08125	24.00367	52.53394	3.37E-10	1.82E-08	6.29E-09	1.04E-13	3.14E-13	2.48E-13	5.68E-15	1.37E-13	7.57E-15	1.50409E-13	3.368E-10	1.8209E-08	6.28924E-09	1.06285E-13	2.29576E-14	5.30503E-14	3.81962E-15
400	571350.55	4178398.99	0.55, 41783	1.74135	1.70512	1.85867	224.12525	73.73672	326.22415	31.06226	18.34101	44.13622	2.67E-10	1.79E-08	5.04E-09	8.25E-14	2.49E-13	1.97E-13	4.51E-15	1.09E-13	6.01E-15	1.19416E-13	2.674E-10	1.7912E-08	5.04021E-09	8.43843E-14	1.8227E-14	4.21189E-14	3.03256E-15
401	571390.55	4178398.99	0.55, 41783	1.43215	1.37481	1.54866	207.21833	64.01827	312.56807	26.21992	15.02288	39.07101	2.17E-10	1.62E-08	4.29E-09	6.69E-14	2.02E-13	1.6E-13	3.66E-15	8.83E-14	4.88E-15	9.68468E-14	2.168E-10	1.6237E-08	4.28607E-09	6.84361E-14	1.47822E-14	3.41586E-14	2.45942E-15
402	571430.55	4178398.99	0.55, 41783	1.19016	1.12906	1.29293	179.9524	59.14274	244.73255	22.49405	12.88734	30.59157	1.79E-10	1.41E-08	3.63E-09	5.51E-14	1.66E-13	1.31E-13	3.01E-15	7.28E-14	4.02E-15	7.97863E-14	1.786E-10	1.4075E-08	3.62607E-09	5.63804E-14	1.21782E-14	2.81413E-14	2.02617E-15
403	571470.55	4178398.99	0.55, 41783	0.9966	0.93995	1.08271	146.8642	55.47011	170.50633	18.35802	11.23121	21.31329	1.49E-10	1.19E-08	2.9E-09	4.59E-14	1.39E-13	1.1E-13	2.51E-15	6.06E-14	3.35E-15	6.65078E-14	1.489E-10	1.1868E-08	2.89577E-09	4.69973E-14	1.01514E-14	2.34578E-14	1.68896E-15
404	571510.55	4178398.99	0.55, 41783	0.8441	0.79417	0.91453	113.63796	52.27286	111.23462	14.20474	9.85599	18.36688	1.26E-10	9.98E-09	2.27E-09	3.88E-14	1.17E-13	9.26E-14	2.12E-15	5.13E-14	2.83E-15	5.62037E-14	1.258E-10	9.9792E-09	2.27327E-09	3.9716E-14	8.57865E-15	1.98235E-14	1.42729E-15
405	571550.55	4178398.99	0.55, 41783	0.71988	0.67749	0.77601	84.04695	49.45688	81.90115	12.59546	8.65245	16.41022	1.07E-10	8.71E-09	2.02E-09	3.31E-14	9.99E-14	7.9E-14	1.81E-15	4.37E-14	2.41E-15	4.79127E-14	1.073E-10	8.7088E-09	2.01789E-09	3.38571E-14	7.31314E-15	1.68992E-14	1.21674E-15
406	571590.55	4178398.99	0.55, 41783	0.61846	0.58359	0.66441	61.25343	46.95039	82.40366	11.31778	7.65227	14.12983	9.23E-11	8.09E-09	1.8E-09	2.85E-14	8.6E-14	6.79E-14	1.56E-15	3.76E-14	2.08E-15	4.12303E-14	9.231E-11	8.0904E-09	1.80248E-09	2.91351E-14	6.29318E-15	1.45423E-14	1.04704E-15
407	570310.55	4178438.99	0.55, 41784	0.11265	0.08111	0.10949	78.47962	27.91467	88.7071	13.07994	3.48933	14.78452	1.35E-11	6.09E-09	2.06E-09	4.17E-15	1.26E-14	9.94E-15	2.28E-16	5.5E-15	3.04E-16	6.02961E-15	1.35E-11	6.0867E-09	2.05623E-09	4.26078E-15	9.20328E-16	2.12669E-15	1.53122E-16
408	570350.55	4178438.99	0.55, 41784	0.12585	0.09139	0.12175	84.54471	29.62734	96.42477	14.09078	3.70342	16.0708	1.52E-11	6.52E-09	2.22E-09	4.68E-15	1.41E-14	1.12E-14	2.56E-16	6.18E-15	3.41E-16	6.77455E-15	1.517E-11	6.5172E-09	2.21764E-09	4.78718E-15	1.03403E-15	2.38944E-15	1.72039E-16
409	570390.55	4178438.99	0.55, 41784	0.14252	0.10489	0.13706	91.50908	31.67143	105.54781	15.25151	4.06451	17.5913	1.73E-11	7.03E-09	2.4E-09	5.35E-15	1.62E-14	1.28E-14	2.92E-16	7.06E-15	3.9E-16	7.74254E-15	1.734E-11	7.0256E-09	2.40375E-09	5.47121E-15	1.18178E-15	2.73086E-15	1.96622E-16
410	570430.55	4178438.99	0.55, 41784	0.16313	0.12204	0.15568	99.54775	33.93845	116.15512	16.59129	4.47421	19.35919	2.01E-11	7.6E-09	2.62E-09	6.19E-15	1.87E-14	1.48E-14	3.38E-16	8.17E-15	4.51E-16	8.96229E-15	2.007E-11	7.6023E-09	2.61878E-09	6.33314E-15	1.36796E-15	3.16107E-15	2.27597E-16
411	570470.55	4178438.99	0.55, 41784	0.18858	0.14267	0.1783	108.92524	36.54882	128.38607	18.15421	4.93599	21.39768	2.34E-11	8.27E-09	2.87E-09	7.21E-15	2.18E-14	1.72E-14	3.94E-16	9.52E-15	5.25E-16	1.04354E-14	2.336E-11	8.2683E-09	2.86921E-09	7.37407E-15	1.5928E-15	3.68063E-15	2.65006E-16
412	570510.55	4178438.99	0.55, 41784	0.22167	0.16966	0.20722	120.34611	39.98702	143.34164	20.05769	5.68986	23.89027	2.77E-11	9.11E-09	3.17E-09	8.54E-15	2.58E-14	2.04E-14	4.66E-16	1.13E-14	6.22E-16	1.2356E-14	2.766E-11	9.1126E-09	3.17438E-09	8.7313E-15	1.88596E-15	4.35807E-15	3.13781E-16
413	570550.55	4178438.99	0.55, 41784	0.2658	0.20594	0.24496	134.27176	44.24032	161.13607	22.37863	6.83821	26.85601	3.34E-11	1.01E-08	3.55E-09	1.03E-14	3.11E-14	2.46E-14	5.64E-16	1.36E-14	7.51E-16	1.49268E-14	3.342E-11	1.0142E-08	3.5452E-09	1.05479E-14	2.27835E-15	5.26481E-15	3.79066E-16
414	570590.55	4178438.99	0.55, 41784	0.3272	0.25654	0.29583	151.91315	49.32778	182.29969	25.31886	8.30482	30.38328	4.14E-11	1.14E-08	4.01E-09	1.28E-14	3.86E-14	3.05E-14	6.98E-16	1.69E-14	9.31E-16	1.84977E-14	4.141E-11	1.1385E-08	4.01097E-09	1.30712E-14	2.82339E-15	6.52428E-15	4.69748E-16
415	570630.55	4178438.99	0.55, 41784	0.41735	0.33056	0.3671	175.42083	55.6235	213.97884	29.2368	10.21264	34.63299	5.31E-11	1.3E-08	4.62E-09	1.64E-14	4.94E-14	3.91E-14	8.95E-16	2.16E-14	1.19E-15	2.36989E-14	5.306E-11	1.3041E-08	4.62378E-09	1.67467E-14	3.61728E-15	8.35879E-15	6.01833E-16
416	570670.55	4178438.99	0.55, 41784	0.56024	0.44648	0.47194	208.37177	63.80907	268.23017	34.72863	12.75328	41.38807	7.12E-11	1.55E-08	5.5E-09	2.2E-14	6.63E-14	5.24E-14	1.2E-15	2.9E-14	1.6E-15	3.18023E-14	7.12E-11	1.5456E-08	5.49665E-09	2.24729E-14	4.85414E-15	1.12169E-14	8.07619E-16
417	570710.55	4178438.99	0.55, 41784	0.81434	0.64609	0.63688	258.28683	75.2647	339.8113	43.04781	16.40047	56.02404	1.02E-10	1.88E-08	6.9E-09	3.16E-14	9.53E-14	7.53E-14	1.72E-15	4.17E-14	2.3E-15	4.5685E-14	1.023E-10	1.8812E-08	6.89552E-09	3.2283E-14	6.97312E-15	1.61135E-14	1.16017E-15
418	570750.55	4178438.99	0.55, 41784	1.35572	1.03003	0.91926	343.9155	93.10334	457.76974	57.16949	22.25077	76.29496	1.62E-10	2.43E-08	9.19E-09	5.01E-14	1.51E-13	1.19E-13	2.73E-15	6.61E-14	3.65E-15	7.24439E-14	1.622E-10	2.4262E-08	9.1905E-09	5.11919E-14	1.10575E-14	2.55515E-14	1.83971E-15
419	570790.55	4178438.99	0.55, 41784	3.18264	2.0617	1.49283	571.47263	129.70009	738.76969	95.66015	38.79176	110.20608	3.25E-10	3.68E-08	1.51E-08	1E-13	3.03E-13	2.39E-13	5.48E-15	1.32E-13	7.31E-15	1.45221E-13	3.251E-10	3.6843E-08	1.50745E-08	1.0262E-13	2.21658E-14	5.12207E-14	3.68789E-15
420	571070.55	4178438.99	0.55, 41784	4.74443	12.25677	5.33303	251.71558	235.3671	557.08631	48.15254	87.29167	78.37734	1.67E-09	4.23E-08	7.99E-09	5.17E-13	1.56E-12	1.23E-12	2.82E-14	6.82E-13	3.76E-14	7.47671E-13	1.674E-09	4.2293E-08	7.98657E-09	5.28336E-13	1.14121E-13	2.63709E-13	1.89871E-14
421	571110.55	4178438.99	0.55, 41784	3.89854	10.39914	4.234	292.37938	213.76959	730.76501	54.55193	96.69541	95.26587	1.41E-09	4.32E-08	9.16E-09	4.36E-13	1.32E-12	1.04E-12	2.38E-14	5.76E-13	3.18E-14	6.31306E-13	1.413E-09	4.3211E-08	9.16059E-09	4.46108E-13	9.63593E-14	2.22667E-13	1.6032E-14
422	571150.55	4178438.99	0.55, 41784	3.24566	6.14355	3.38328	299.25996	151.74182	537.6659	53.26943	58.88405	104.89405	8.63E-10	3.23E-08	9.15E-09	2.66E-13	8.05E-13	6.36E-13	1.46E-14	3.52E-13	1.94E-14	3.85674E-13	8.635E-10	3.2279E-08	9.15173E-09	2.72534E-13	5.88673E-14	1.3603E-13	9.79418E-15
423	571190.55	4178438.99	0.55, 41784	2.68652	4.20662	2.81661	319.22111	114.25705	663.08885	45.60302	42.68486	97.00809	6.06E-10	3.01E-08	7.96E-09	1.87E-13	5.65E-13	4.46E-13	1.02E-14	2.47E-13	1.36E-14	2.70851E-13	6.064E-10	3.0106E-08	7.9601E-09	1.91395E-13	4.13413E-14	9.55313E-14	6.87825E-15
424	571230.55	4178438.99	0.55, 41784	2.2851	3.10379	2.38014	355.31137	114.374	594.35462	48.25343	33.87475	78.4876	4.57E-10	2.94E-08	8E-09	1.41E-13	4.26E-13	3.36E-13	7.7E-15	1.86E-13	1.03E-14	2.04073E-13	4.569E-10	2.9427E-08	8.00236E-09	1.44207E-13	3.11487E-14	7.19782E-14	5.18243E-15
425	571270.55	4178438.99	0.55, 41784	1.91581	2.39067	2.08735	281.61312	92.35093	457.23387	43.32371	28.45229	65.31912	3.59E-10	2.33E-08	7.1E-09	1.11E-13	3.34E-13	2.64E-13	6.05E-15	1.46E-13	8.06E-15	1.60129E-13	3.585E-10	2.3292E-08	7.0952E-09	1.13154E-13	2.44412E-14	5.64786E-14	4.06646E-15
426	571310.55	4178438.99	0.55, 41784	1.62017	1.88774	1.73959	249.98498	75.512	443.82502	38.72011	23.46838	65.04063	2.86E-10	2.05E-08	6.46E-09	8.83E-14	2.67E-13	2.11E-13	4.83E-15	1.17E-13	6.43E-15	1.2782E-13	2.862E-10	2.0537E-08	6.45719E-09	9.03229E-14	1.95097E-14	4.5083E-14	3.24598E-15
427	571350.55	4178438.99	0.55, 41784	1.36969	1.52492	1.4607	207.90528	71.02603	289.54604	31.99215	18.96422	43.80183	2.33E-10	1.67E-08	5.16E-09	7.19E-14	2.17E-13	1.71E-13	3.93E-15	9.49E-14	5.24E-15	1.04063E-13	2.33E-10	1.6712E-08	5.16228E-09	7.35352E-14	1.58836E-14	3.67038E-14	2.64267E-15
428	571390.55	4178438.99	0.55, 41784	1.16602	1.25794	1.25769	137.82846	66.02867	157.99714	21.56098	15.29437	27.7078	1.94E-10	1.28E-08	3.45E-09	5.97E-14	1.8E-13	1.42E-13	3.26E-15	7.89E-14	4.35E-15	8.64781E-14	1.936E-10	1.283E-08	3.44756E-09	6.11091E-14	1.31996E-14	3.05015E-14	2.19611E-15
429	571430.55	4178438.99	0.55, 41784	1.00225	1.05165	1.08939	150.81052	60.59063	188.78292	19.07395	12.70811	25.02004	1.63E-10	1.29E-08	3.06E-09	5.03E-14	1.52E-13	1.2E-13	2.75E-15	6.64E-14	3.66E-15	7.27621E-14	1.629E-10	1.2874E-08	3.05874E-09	5.14168E-14	1.1106E-14	2.56638E-14	1.84779E-15
430	571470.55	4178438.99	0.55, 41784	0.86528	0.88825	0.94207	153.64691	54.59461	206.40776	19.20586	10.6849	25.80097	1.38E-10	1.25E-08	3.09E-09	4.27E-14	1.29E-13	1.02E-13	2.33E-15	5.63E-14	3.11E-15	6.17438E-14	1.382E-10	1.2479E-08	3.09047E-09	4.36308E-14	9.42426E-15	2.17775E-14	1.56798E-15
431	571510.55	4178438.99	0.55, 41784	0.75493	0.76151	0.82291	144.52703	49.13224	189.90829	18.06588	9.74189	23.73854	1.19E-10	1.14E-08	2.9E-09	3.67E-14	1.11E-13	8.76E-14	2.01E-15	4.85E-14	2.67E-15	5.3134E-14	1.19E-10	1.139E-08	2.89779E-09	3.75468E-14	8.1101E-15	1.87408E-14	1.34934E-15
432	571550.55	4178438.99	0.55, 41784	0.65913	0.65716	0.71761	127.58758	46.59598	156.05984	15.94845	8.8858	19.50748	1.03E-10	1.03E-08	2.53E-09	3.18E-14	9.59E-14	7.57E-14	1.74E-15	4.19E-14	2.31E-15	4.59586E-14	1.029E-10	1.0252E-08	2.53294E-09	3.24763E-14	7.01488E-15	1.621E-14	1.16712E-15
433	571590.55	4178438.99	0.55, 41784	0.57626	0.57045	0.62441	106.82976	44.35137	118.44703	13.35372	8.08009	14.80588	8.94E-11	9.03E-09	2.09E-09	2.76E-14	8.33E-14	6.58E-14	1.51E-15	3.64E-14	2.01E-15	3.99316E-14	8.94E-11	9.0307E-09	2.09426E-09	2.82174E-14	6.09495E-15	1.40842E-14	1.01406E-15
434	570310.55	4178478.99	0.55, 41784	0.1113	0.08183	0.10709	74.58423	29.47815	84.27127	11.80727	4.00274	12.56763	1.35E-11	6.15E-09	1.84E-09	4.17E-15	1.26E-14	9.96E-15	2.28E-16	5.51E-15	3.04E-16	6.04232E-15	1.353E-11	6.1486E-09	1.84262E-09	4.26976E-15	9.22268E-16	2.13117E-15	1.53444E-16
435	570350.55	4178478.99	0.55, 41784	0.12561	0.09388	0.12027	80.0812	31.76761	91.05741	12.83362	4.33491	13.82729	1.54E-11	6.63E-09	2.01E-09	4.77E-15	1.44E-14	1.14E-14	2.6E-16	6.29E-15	3.47E-16	6.89903E-15	1.545E-11	6.6262E-09	2.0057E-09	4.87515E-15	1.05303E-15	2.43334E-15	1.75201E-16
436	570390.55	4178478.99	0.55, 41784	0.14146	0.10678	0.13471	86.10528	34.01158	98.86723	14.01299	4.67053	15.28263	1.75E-11	7.12E-09	2.19E-09	5.4E-15	1.63E-14	1.29E-14	2.95E-16	7.13E-15	3.94E-16	7.82204E-15	1.751E-11	7.1234E-09	2.19323E-09	5.52739E-15	1.19392E-15	2.7589E-15	1.98641E-16
437	570430.55	4178478.99	0.55, 41784	0.16075	0.12266	0.15218	93.00088	36.36689	108.11431	15.32204	5.02469	17.00047	2E-11	7.67E-09	2.4E-09	6.19E-15	1.87E-14	1.48E-14	3.38E-16	8.17E-15	4.51E-16	8.95452E-15	2.005E-11	7.6714E-09	2.40317E-09	6.32765E-15	1.36677E-15	3.15833E-15	2.274E-16
438	570470.55	4178478.99	0.55, 41784	0.18644	0.14379	0.17515	101.96042	39.51551	120.09702	16.93263	5.48718	19.18544	2.34E-11	8.39E-09	2.66E-09	7.23E-15	2.18E-14	1.72E-14	3.95E-16	9.54E-15	5.27E-16	1.04594E-14	2.342E-11	8.3939E-09	2.6627E-09	7.39106E-15	1.59647E-15	3.68912E-15	2.65616E-16
439	570510.55	4178478.99	0.55, 41784	0.22079	0.17209	0.20548	113.44919	43.50567	135.70428	18.9082	6.17272	22.02345	2.79E-11	9.32E-09	2.98E-09	8.62E-15	2.6E-14	2.06E-14	4.71E-16	1.14E-14	6.28E-16	1.24712E-14	2.792E-11	9.3186E-09	2.9838E-09	8.81269E-15	1.90354E-15	4.39869E-15	3.16706E-16
440	570550.55	4178478.99	0.55, 41784	0.2667	0.21004	0.24533	127.7059	48.20733	155.63974	21.28432	7.34053	25.62853	3.39E-11	1.04E-08	3.37E-09	1.05E-14	3.16E-14	2.5E-14	5.72E-16	1.38E-14	7.63E-16	1.51617E-14	3.395E-11	1.0445E-08	3.37333E-09	1.07139E-14	2.3142E-15	5.34764E-15	3.8503E-16
441	570590.55	4178478.99	0.55, 41784	0.32931	0.26248	0.29831	144.67878	53.44745	182.17951	24.11313	8.81975	30.24215	4.22E-11	1.18E-08	3.84E-09	1.3E-14	3.93E-14	3.11E-14	7.12E-16	1.72E-14	9.49E-16	1.8858E-14	4.222E-11	1.1791E-08	3.84268E-09	1.33259E-14	2.87839E-15	6.65138E-15	4.78899E-16
442	570630.55	4178478.99	0.55, 41784	0.42133	0.33962	0.37314	165.95931	60.05375	219.0797	27.65989	10.77683	36.51328	5.43E-11	1.35E-08	4.44E-09	1.68E-14	5.06E-14	4E-14	9.16E-16	2.21E-14	1.22E-15	2.42708E-14	5.434E-11	1.3546E-08	4.43961E-09	1.71508E-14	3.70457E-15	8.56051E-15	6.16356E-16
443	570670.55	4178478.99	0.55, 41784	0.56746	0.46145	0.48445	193.36004	69.0612	272.47405	32.22667	13.5092	45.41234	7.34E-11	1.6E-08	5.22E-09	2.26E-14	6.84E-14	5.4E-14	1.24E-15	2.99E-14	1.65E-15	3.2771E-14	7.337E-11	1.597E-08	5.22256E-09	2.31574E-14	5.00199E-15	1.15586E-14	8.32218E-16
444	570710.55	4178478.99	0.55, 41784	0.83023	0.67528	0.66195	236.53606	81.84268	352.22256	39.07222	17.68943	58.70376	1.07E-10	1.95E-08	6.4E-09	3.29E-14	9.93E-14	7.84E-14	1.8E-15	4.34E-14	2.4E-15	4.75903E-14	1.066E-10	1.9539E-08	6.39536E-09	3.36293E-14	7.26394E-15	1.67855E-14	1.20855E-15
445	570750.55	4178478.99	0.55, 41784	1.42426	1.12918	0.97629	342.03514	102.90165	482.1747	49.67165	25.1054	80.36245	1.76E-10	2.59E-08	8.23E-09	5.44E-14	1.64E-13	1.3E-13	2.97E-15	7.18E-14	3.97E-15	7.87875E-14	1.764E-10	2.5872E-08	8.23004E-09	5.56746E-14	1.20257E-14	2.7789E-14	2.00081E-15
446	570790.55	4178478.99	0.55, 41784	3.63047	2.75084	1.62936	596.75244	187.47347	722.34167	107.7468	51.23422	120.39028	4.19E-10	4.41E-08	1.69E-08	1.29E-13	3.9E-13	3.08E-13	7.06E-15	1.71E-13	9.42E-15	1.87116E-13	4.189E-10	4.4051E-08	1.6914E-08	1.32224E-13	2.85604E-14	6.59972E-14	4.7518E-15
447	571030.55	4178478.99	0.55, 41784	9.40071	15.68167	11.18665	333.68631	267.08575	756.11776	81.11776	110.69164	178.64972	2.26E-09	5.08E-08	1.43E-08	6.99E-13	2.11E-12	1.67E-12	3.82E-14	9.22E-13	5.09E-14	1.01121E-12	2.264E-09	5.0819E-08	1.42653E-08	7.14565E-13	1.54346E-13	3.56662E-13	2.56797E-14
448	571070.55	4178478.99	0.55, 41784	5.59712	9.0131	6.53916	216.22006	204.77885	522.16381	54.58514	76.29745	101.00005	1.31E-09	3.74E-08	9.26E-09	4.03E-13	1.22E-12	9.61E-13	2.2E-14	5.32E-13	2.94E-14	5.83256E-13	1.306E-09	3.741E-08	9.26494E-09	4.12153E-13	8.90251E-14	2.05719E-13	1.48118E-14
449	571110.55	4178478.99	0.55, 41784	3.86033	5.8724	4.45436	232.77263	158.88759	526.3096	40.87392	60.11848	68.10823	8.57E-10	3.2E-08	6.81E-09	2.65E-13	7.99E-13	6.31E-13	1.45E-14	3.49E-13	1.93E-14	3.82849E-13	8.572E-10	3.204E-08	6.8068E-09	2.70537E-13	5.84361E-14	1.35034E-13	9.72244E-15
450	571150.55	4178478.99	0.55, 41784	2.87873	4.17215	3.24074	243.47288	131.88403	510.79766	36.94401	47.80365	68.59206	6.12E-10	2.86E-08	6.27E-09	1.89E-13	5.7E-13	4.51E-13	1.03E-14	2.49E-13	1.38E-14	2.73439E-13	6.122E-10	2.858E-08	6.27471E-09	1.93224E-13	4.17363E-14	9.64441E-14	6.94398E-15
451	571190.55	4178478.99	0.55, 41784	2.25924	3.11768	2.54212	272.99859	103.34976	495.79992	40.61499	35.56429	82.63332	4.61E-10	2.52E-08	7.02E-09	1.42E-13	4.3E-13	3.39E-13	7.77E-15	1.88E-13	1.04E-14	2.05938E-13	4.611E-10	2.5203E-08	7.02393E-09	1.45525E-13	3.14333E-14	7.2636E-14	5.22979E-15
452	571230.55	4178478.99	0.55, 41784	1.86428	2.43731	2.04705	228.60917	88.43023	428.91859	34.9281	28.65964	53.61482	3.63E-10	2.16E-08	5.74E-09	1.12E-13	3.38E-13	2.67E-13	6.12E-15	1.48E-13	8.16E-15	1.6207E-13	3.629E-10	2.1577E-08	5.73683E-09	1.14526E-13	2.47375E-14	5.71634E-14	4.11576E-15
453	571270.55	4178478.99	0.55, 41784	1.58233	1.95726	1.72288	275.18297	89.4878	451.79055	39.56066	24.38596	62.99097	2.94E-10	2.28E-08	6.54E-09	9.07E-14	2.74E-13	2.16E-13	4.96E-15	1.2E-13	6.61E-15	1.31293E-13	2.94E-10	2.2754E-08	6.53713E-09	9.27772E-14	2.00399E-14	4.63081E-14	3.33418E-15
454	571310.55	4178478.99	0.55, 41784	1.35793	1.6065	1.5101	222.77943	77.47813	328.49847	32.82803	21.05024	46.46168	2.44E-10	1.84E-08	5.32E-09	7.52E-14	2.27E-13	1.79E-13	4.11E-15	9.93E-14	5.48E-15	1.08878E-13	2.438E-10	1.8395E-08	5.32353E-09	7.69377E-14	1.66185E-14	3.84021E-14	2.76495E-15
455	571350.55	4178478.99	0.55, 41784	1.1642	1.33076	1.27594	210.30644	64.61424	297.95893	30.9494	18.13628	42.55235	2.03E-10	1.61E-08	5E-09	6.26E-14	1.89E-13	1.49E-13	3.42E-15	8.26E-14	4.56E-15	9.06292E-14	2.029E-10	1.61E-08	4.99712E-09	6.40424E-14	1.38332E-14	3.19656E-14	2.30152E-15
456	571390.55	4178478.99	0.55, 41784	1.001	1.11694	1.07653	187.8278	60.73144	278.37154	27.7002	15.35336	39.86006	1.71E-10	1.5E-08	4.5E-09	5.27E-14	1.59E-13	1.26E-13	2.88E-15	6.95E-14	3.84E-15	7.62592E-14	1.707E-10	1.4966E-08	4.50339E-09	5.3888E-14	1.16398E-14	2.68972E-14	1.9366E-15
457	571430.55	4178478.99	0.55, 41784	0.8626	0.94616	0.9271	141.00765	57.76687	153.44465	20.99683	12.7525	23.01436	1.45E-10	1.18E-08	3.29E-09	4.48E-14	1.35E-13	1.07E-13	2.45E-15	5.91E-14	3.26E-15	6.48082E-14	1.451E-10	1.1774E-08	3.2883E-09	4.57962E-14	9.89198E-15	2.28584E-14	1.6458E-15
458	571470.55	4178478.99	0.55, 41784	0.75511	0.81334	0.81471	85.41876	54.87579	110.14274	13.60469	11.10539	17.11986	1.25E-10	9.89E-09	2.17E-09	3.86E-14	1.17E-13	9.22E-14	2.11E-15	5.1E-14	2.82E-15	5.59331E-14	1.252E-10	9.8892E-09	2.16904E-09	3.95247E-14	8.53733E-15	1.9728E-14	1.42042E-15
459	571510.55	4178478.99	0.55, 41784	0.666	0.70453	0.71826	104.54177	51.61661	121.24791	13.06772	9.4895	15.99878	1.09E-10	9.95E-09	2.08E-09	3.36E-14	1.01E-13	8.01E-14	1.84E-15	4.43E-14	2.45E-15	4.86218E-14	1.089E-10	9.9457E-09	2.07568E-09	3.43582E-14	7.42138E-15	1.71493E-14	1.23475E-15
460	571550.55	4178478.99	0.55, 41784	0.58993	0.61436	0.63446	114.23468	47.78612	141.81512	14.27934	8.47335	17.72689	9.52E-11	9.97E-09	2.27E-09	2.94E-14	8.87E-14	7.01E-14	1.61E-15	3.88E-14	2.14E-15	4.2519E-14	9.52E-11	9.965E-09	2.2724E-09	3.00458E-14	6.48989E-15	1.49968E-14	1.07977E-15
461	571590.55	4178478.99	0.55, 41784	0.5248	0.5396	0.56365	114.71837	43.31659	143.69009	14.3398	7.89274	17.96126	8.38E-11	9.45E-09	2.28E-09	2.59E-14	7.81E-14	6.17E-14	1.41E-15	3.41E-14	1.88E-15	3.74361E-14	8.382E-11	9.4519E-09	2.28479E-09	2.64539E-14	5.71405E-15	1.3204E-14	9.50689E-16
462	570310.55	4178518.99	0.55, 41785	0.10968	0.08323	0.10459	75.92481	30.95134	85.20389	12.65413	4.31611	14.20065	1.36E-11	6.37E-09	1.99E-09	4.21E-15	1.27E-14	1E-14	2.3E-16	5.55E-15	3.07E-16	6.09011E-15	1.364E-11	6.3656E-09	1.98751E-09	4.30353E-15	9.29563E-16	2.14803E-15	1.54658E-16
463	570350.55	4178518.99	0.55, 41785	0.12253	0.09413	0.11632	80.98331	32.52203	91.70345	13.49722	4.56123	15.28391	1.54E-11	6.74E-09	2.12E-09	4.74E-15	1.43E-14	1.13E-14	2.59E-16	6.26E-15	3.45E-16	6.86298E-15	1.537E-11	6.7433E-09	2.12232E-09	4.84968E-15	1.04753E-15	2.42063E-15	1.74285E-16
464	570390.55	4178518.99	0.55, 41785	0.13706	0.10653	0.12954	86.4192	34.09518	99.00991	14.4032	4.78567	16.50165	1.73E-11	7.14E-09	2.27E-09	5.35E-15	1.61E-14	1.28E-14	2.92E-16	7.06E-15	3.9E-16	7.7407E-15	1.733E-11	7.1406E-09	2.26811E-09	5.46991E-15	1.1815E-15	2.73021E-15	1.96575E-16
465	570430.55	4178518.99	0.55, 41785	0.15657	0.12308	0.14711	93.48729	36.56809	108.68156	15.58121	5.11226	18.11359	2E-11	7.71E-09	2.46E-09	6.16E-15	1.86E-14	1.47E-14	3.36E-16	8.13E-15	4.49E-16	8.91232E-15	1.995E-11	7.7129E-09	2.45818E-09	6.29783E-15	1.36033E-15	3.14345E-15	2.26328E-16
466	570470.55	4178518.99	0.55, 41785	0.18113	0.14422	0.16907	101.65142	39.2669	120.52836	16.9419	5.47129	20.08806	2.33E-11	8.37E-09	2.68E-09	7.19E-15	2.17E-14	1.71E-14	3.93E-16	9.49E-15	5.24E-16	1.04029E-14	2.329E-11	8.3663E-09	2.67968E-09	7.35112E-15	1.58784E-15	3.66918E-15	2.64181E-16
467	570510.55	4178518.99	0.55, 41785	0.21556	0.17373	0.19928	112.42418	43.21366	137.68321	18.73736	6.23491	22.9472	2.79E-11	9.3E-09	2.98E-09	8.62E-15	2.6E-14	2.06E-14	4.71E-16	1.14E-14	6.28E-16	1.24811E-14	2.794E-11	9.3027E-09	2.97637E-09	8.81964E-15	1.90504E-15	4.40217E-15	3.16956E-16
468	570550.55	4178518.99	0.55, 41785	0.26244	0.21401	0.23948	127.39838	48.06291	159.66591	20.89373	7.26318	26.61098	3.43E-11	1.05E-08	3.34E-09	1.06E-14	3.19E-14	2.52E-14	5.78E-16	1.4E-14	7.71E-16	1.53089E-14	3.428E-11	1.0493E-08	3.33671E-09	1.08179E-14	2.33667E-15	5.39957E-15	3.88769E-16
469	570590.55	4178518.99	0.55, 41785	0.32438	0.26815	0.29055	146.74921	52.55391	186.84388	23.05175	8.49659	31.14065	4.27E-11	1.18E-08	3.71E-09	1.32E-14	3.98E-14	3.14E-14	7.2E-16	1.74E-14	9.6E-16	1.90801E-14	4.272E-11	1.1791E-08	3.71233E-09	1.34828E-14	2.91229E-15	6.72971E-15	4.84539E-16
470	570630.55	4178518.99	0.55, 41785	0.41604	0.34788	0.36203	170.82398	60.03664	221.85088	25.41079	10.076	36.97515	5.51E-11	1.37E-08	4.14E-09	1.7E-14	5.13E-14	4.05E-14	9.29E-16	2.24E-14	1.24E-15	2.46076E-14	5.509E-11	1.366E-08	4.13831E-09	1.73888E-14	3.75598E-15	8.6793E-15	6.2491E-16
471	570670.55	4178518.99	0.55, 41785	0.56352	0.47347	0.46761	210.6175	71.54419	266.74609	27.95974	12.2085	44.45768	7.45E-11	1.64E-08	4.62E-09	2.3E-14	6.94E-14	5.48E-14	1.26E-15	3.03E-14	1.68E-15	3.32792E-14	7.451E-11	1.6417E-08	4.61909E-09	2.35165E-14	5.07957E-15	1.17379E-14	8.45126E-16
472	570710.55	4178518.99	0.55, 41785	0.82936	0.69158	0.6351	257.30872	94.91316	337.8148	32.16359	16.3308	53.60133	1.08E-10	2.12E-08	5.36E-09	3.34E-14	1.01E-13	7.95E-14	1.82E-15	4.4E-14	2.43E-15	4.82762E-14	1.081E-10	2.1193E-08	5.35638E-09	3.4114E-14	7.36862E-15	1.70274E-14	1.22597E-15
473	570750.55	4178518.99	0.55, 41785	1.36529	1.13262	0.93188	327.60111	130.96882	473.41526	45.80096	29.91109	62.68561	1.75E-10	2.9E-08	7.39E-09	5.41E-14	1.63E-13	1.29E-13	2.95E-15	7.14E-14	3.94E-15	7.82657E-14	1.752E-10	2.8988E-08	7.39009E-09	5.53059E-14	1.19461E-14	2.76049E-14	1.98755E-15
474	570790.55	4178518.99	0.55, 41785	2.09469	1.90095	1.39228	339.24086	174.34023	730.67406	59.4987	49.70987	91.33426	2.88E-10	3.9E-08	9.77E-09	8.9E-14	2.69E-13	2.12E-13	4.86E-15	1.17E-13	6.48E-15	1.288E-13	2.884E-10	3.8988E-08	9.77254E-09	9.10157E-14	1.96594E-14	4.54288E-14	3.27088E-15
475	570990.55	4178518.99	0.55, 41785	30.9381	16.28557	11.79039	1645.60932	278.46944	1244.70182	444.29015	131.46412	279.7997	2.65E-09	7.9E-08	6.6E-08	8.17E-13	2.47E-12	1.95E-12	4.47E-14	1.08E-12	5.96E-14	1.18315E-12	2.649E-09	7.899E-08	6.5975E-08	8.36067E-13	1.80591E-13	4.17308E-13	3.00462E-14
476	571030.55	4178518.99	0.55, 41785	10.39533	8.05295	7.62595	575.07494	188.36146	999.69989	130.51861	75.45666	173.23921	1.27E-09	4.87E-08	2.1E-08	3.93E-13	1.19E-12	9.37E-13	2.15E-14	5.18E-13	2.86E-14	5.68523E-13	1.273E-09	4.8685E-08	2.09656E-08	4.01742E-13	8.67763E-14	2.00522E-13	1.44376E-14
477	571070.55	4178518.99	0.55, 41785	5.62777	5.38206	5.21191	327.13066	151.27996	542.64793	61.45445	56.79768	91.26612	8.34E-10	3.27E-08	1E-08	2.57E-13	7.77E-13	6.14E-13	1.41E-14	3.4E-13	1.88E-14	3.72653E-13	8.343E-10	3.2697E-08	1.00403E-08	2.63332E-13	5.68798E-14	1.31438E-13	9.46351E-15
478	571110.55	4178518.99	0.55, 41785	3.70135	3.92679	3.70614	194.51307	130.68512	402.95521	41.68788	44.49195	69.09918	6.01E-10	2.59E-08	6.94E-09	1.86E-13	5.6E-13	4.43E-13	1.01E-14	2.45E-13	1.35E-14	2.68624E-13	6.014E-10	2.5874E-08	6.93599E-09	1.89821E-13	4.10013E-14	9.47458E-14	6.82169E-15
479	571150.55	4178518.99	0.55, 41785	2.69329	3.00723	2.77155	208.02281	103.35418	440.08145	30.40761	37.50867	55.01018	4.57E-10	2.33E-08	5.14E-09	1.41E-13	4.26E-13	3.37E-13	7.71E-15	1.86E-13	1.03E-14	2.04322E-13	4.575E-10	2.333E-08	5.13938E-09	1.44382E-13	3.11866E-14	7.20659E-14	5.18874E-15
480	571190.55	4178518.99	0.55, 41785	2.08526	2.38411	2.19601	205.94825	100.14217	330.97092	32.90062	31.32752	44.74048	3.62E-10	2.1E-08	5.3E-09	1.12E-13	3.37E-13	2.66E-13	6.1E-15	1.47E-13	8.14E-15	1.61664E-13	3.62E-10	2.1005E-08	5.30356E-09	1.14239E-13	2.46756E-14	5.70203E-14	4.10546E-15
481	571230.55	4178518.99	0.55, 41785	1.66362	1.91731	1.76389	215.41751	83.66277	360.55042	30.77393	25.17962	52.13444	2.91E-10	1.96E-08	5.14E-09	8.98E-14	2.71E-13	2.14E-13	4.9E-15	1.18E-13	6.54E-15	1.29911E-13	2.909E-10	1.9615E-08	5.13972E-09	9.18009E-14	1.9829E-14	4.58208E-14	3.2991E-15
482	571270.55	4178518.99	0.55, 41785	1.38104	1.58176	1.44385	194.90891	74.63088	227.07234	31.16799	21.56574	34.54332	2.4E-10	1.59E-08	4.89E-09	7.4E-14	2.24E-13	1.77E-13	4.04E-15	9.77E-14	5.39E-15	1.07141E-13	2.399E-10	1.589E-08	4.88783E-09	7.57101E-14	1.63534E-14	3.77893E-14	2.72083E-15
483	571310.55	4178518.99	0.55, 41785	1.18628	1.33473	1.24995	227.7435	74.01926	353.91479	34.0231	18.88588	51.12416	2.03E-10	1.85E-08	5.57E-09	6.27E-14	1.89E-13	1.5E-13	3.43E-15	8.28E-14	4.57E-15	9.07836E-14	2.033E-10	1.8479E-08	5.56902E-09	6.41516E-14	1.38567E-14	3.20201E-14	2.30545E-15
484	571350.55	4178518.99	0.55, 41785	1.02794	1.1349	1.10387	186.21806	66.32591	255.87469	28.09378	16.3212	37.6065	1.74E-10	1.52E-08	4.52E-09	5.36E-14	1.62E-13	1.28E-13	2.93E-15	7.08E-14	3.91E-15	7.76308E-14	1.738E-10	1.5244E-08	4.51831E-09	5.48572E-14	1.18492E-14	2.7381E-14	1.97143E-15
485	571390.55	4178518.99	0.55, 41785	0.88898	0.96986	0.94947	165.64096	58.31983	230.86073	23.55305	14.40747	29.95608	1.49E-10	1.35E-08	3.76E-09	4.59E-14	1.39E-13	1.1E-13	2.51E-15	6.06E-14	3.35E-15	6.64546E-14	1.488E-10	1.3532E-08	3.76067E-09	4.69596E-14	1.01433E-14	2.34391E-14	1.68761E-15
486	571430.55	4178518.99	0.55, 41785	0.7696	0.83467	0.8102	166.81635	54.79876	235.11797	23.72844	12.50769	32.6638	1.28E-10	1.32E-08	3.83E-09	3.95E-14	1.19E-13	9.42E-14	2.16E-15	5.21E-14	2.88E-15	5.71658E-14	1.28E-10	1.3187E-08	3.83191E-09	4.03958E-14	8.72549E-15	2.01628E-14	1.45172E-15
487	571470.55	4178518.99	0.55, 41785	0.67066	0.72494	0.7032	138.40145	51.97552	171.46902	19.82816	10.73341	24.30543	1.11E-10	1.13E-08	3.15E-09	3.43E-14	1.04E-13	8.18E-14	1.87E-15	4.53E-14	2.5E-15	4.96606E-14	1.112E-10	1.1335E-08	3.15003E-09	3.50923E-14	7.57994E-15	1.75157E-14	1.26113E-15
488	571510.55	4178518.99	0.55, 41785	0.58987	0.63439	0.62004	93.94363	49.66848	89.41667	13.736	9.50533	13.29785	9.74E-11	9E-09	2.12E-09	3.01E-14	9.08E-14	7.17E-14	1.64E-15	3.97E-14	2.19E-15	4.35125E-14	9.742E-11	9.0035E-09	2.1206E-09	3.07478E-14	6.64152E-15	1.53472E-14	1.105E-15
489	571550.55	4178518.99	0.55, 41785	0.52422	0.55926	0.55249	64.7066	47.53612	82.72316	9.81761	8.44297	11.85775	8.6E-11	8.22E-09	1.56E-09	2.66E-14	8.02E-14	6.33E-14	1.45E-15	3.5E-14	1.93E-15	3.84312E-14	8.604E-11	8.2164E-09	1.55662E-09	2.71572E-14	5.86595E-15	1.3555E-14	9.7596E-16
490	571590.55	4178518.99	0.55, 41785	0.47148	0.49721	0.49682	75.39988	45.27823	83.60413	9.54319	7.49343	11.2302	7.67E-11	8.1E-09	1.51E-09	2.37E-14	7.14E-14	5.64E-14	1.29E-15	3.12E-14	1.72E-15	3.42447E-14	7.667E-11	8.1015E-09	1.50795E-09	2.41988E-14	5.22694E-15	1.20784E-14	8.69644E-16
491	570310.55	4178558.99	0.55, 41785	0.10731	0.08405	0.10201	76.80272	30.54078	89.48595	12.80045	4.19275	14.91432	1.37E-11	6.4E-09	2.02E-09	4.21E-15	1.27E-14	1.01E-14	2.3E-16	5.56E-15	3.07E-16	6.1006E-15	1.366E-11	6.4016E-09	2.02005E-09	4.31094E-15	9.31164E-16	2.15173E-15	1.54925E-16
492	570350.55	4178558.99	0.55, 41785	0.11907	0.09438	0.11262	82.9813	31.5625	94.82328	13.39224	4.31782	15.80388	1.53E-11	6.71E-09	2.12E-09	4.72E-15	1.42E-14	1.12E-14	2.58E-16	6.23E-15	3.44E-16	6.82652E-15	1.528E-11	6.7068E-09	2.11692E-09	4.82391E-15	1.04196E-15	2.40777E-15	1.73359E-16
493	570390.55	4178558.99	0.55, 41785	0.1339	0.10748	0.12591	90.55746	32.83588	101.05325	14.07263	4.47793	16.84221	1.73E-11	7.08E-09	2.23E-09	5.35E-15	1.62E-14	1.28E-14	2.92E-16	7.06E-15	3.9E-16	7.74529E-15	1.734E-11	7.078E-09	2.22857E-09	5.47316E-15	1.1822E-15	2.73183E-15	1.96692E-16
494	570430.55	4178558.99	0.55, 41785	0.15297	0.12443	0.14282	99.07784	34.42492	111.25467	14.88754	4.68196	18.0897	2E-11	7.57E-09	2.36E-09	6.17E-15	1.86E-14	1.47E-14	3.37E-16	8.14E-15	4.5E-16	8.93113E-15	2E-11	7.5706E-09	2.36236E-09	6.31112E-15	1.3632E-15	3.15008E-15	2.26806E-16
495	570470.55	4178558.99	0.55, 41785	0.17711	0.14611	0.16369	108.3811	37.13833	125.77833	15.68816	5.10948	19.33096	2.34E-11	8.29E-09	2.49E-09	7.21E-15	2.18E-14	1.72E-14	3.94E-16	9.52E-15	5.26E-16	1.04404E-14	2.338E-11	8.2882E-09	2.49407E-09	7.37765E-15	1.59357E-15	3.68242E-15	2.65134E-16
496	570510.55	4178558.99	0.55, 41785	0.21022	0.1758	0.19176	119.02071	41.74654	144.28309	16.67371	5.7123	20.76073	2.8E-11	9.33E-09	2.65E-09	8.64E-15	2.61E-14	2.06E-14	4.72E-16	1.14E-14	6.29E-16	1.25037E-14	2.799E-11	9.328E-09	2.6545E-09	8.83564E-15	1.9085E-15	4.41015E-15	3.17531E-16
497	570550.55	4178558.99	0.55, 41785	0.25686	0.21737	0.22998	138.81712	48.97119	169.0217	17.78034	6.5378	22.20322	3.44E-11	1.09E-08	2.83E-09	1.06E-14	3.21E-14	2.54E-14	5.81E-16	1.4E-14	7.74E-16	1.53859E-14	3.445E-11	1.0927E-08	2.8318E-09	1.08723E-14	2.34842E-15	5.42673E-15	3.90724E-16
498	570590.55	4178558.99	0.55, 41785	0.31921	0.27311	0.27901	158.95656	55.69599	196.40207	19.86957	7.90259	24.55026	4.31E-11	1.25E-08	3.16E-09	1.33E-14	4.01E-14	3.17E-14	7.26E-16	1.75E-14	9.68E-16	1.92321E-14	4.306E-11	1.2515E-08	3.15999E-09	1.35903E-14	2.93549E-15	6.78333E-15	4.884E-16
499	570630.55	4178558.99	0.55, 41785	0.41072	0.35398	0.34795	180.38278	65.18573	228.48167	22.54785	9.64997	28.56021	5.55E-11	1.45E-08	3.6E-09	1.71E-14	5.17E-14	4.09E-14	9.36E-16	2.26E-14	1.25E-15	2.48019E-14	5.553E-11	1.4545E-08	3.59813E-09	1.75261E-14	3.78564E-15	8.74783E-15	6.29844E-16
500	570670.55	4178558.99	0.55, 41785	0.55178	0.47716	0.45068	218.05495	85.23197	290.43238	27.25687	14.02323	36.30405	7.45E-11	1.86E-08	4.38E-09	2.3E-14	6.94E-14	5.48E-14	1.26E-15	3.03E-14	1.68E-15	3.32784E-14	7.451E-11	1.8625E-08	4.38054E-09	2.35159E-14	5.07944E-15	1.17376E-14	8.45104E-16
501	570710.55	4178558.99	0.55, 41785	0.78132	0.6809	0.62169	244.71244	105.12049	355.26836	32.595	21.74638	44.40855	1.06E-10	2.26E-08	5.26E-09	3.27E-14	9.86E-14	7.79E-14	1.79E-15	4.31E-14	2.38E-15	4.72836E-14	1.059E-10	2.2583E-08	5.25575E-09	3.34126E-14	7.21712E-15	1.66773E-14	1.20077E-15
502	570750.55	4178558.99	0.55, 41785	1.13763	1.02831	0.92752	276.33124	124.7524	514.56755	39.47589	32.46528	64.32094	1.59E-10	2.82E-08	6.55E-09	4.91E-14	1.48E-13	1.17E-13	2.68E-15	6.48E-14	3.58E-15	7.10571E-14	1.591E-10	2.8222E-08	6.54862E-09	5.0212E-14	1.08458E-14	2.50624E-14	1.80449E-15
503	570790.55	4178558.99	0.55, 41785	1.48115	1.46435	1.34156	285.306	157.20995	776.24295	43.19026	42.97795	97.64972	2.25E-10	3.69E-08	7.64E-09	6.94E-14	2.1E-13	1.66E-13	3.79E-15	9.16E-14	5.06E-15	1.00486E-13	2.25E-10	3.6912E-08	7.63942E-09	7.10074E-14	1.53376E-14	3.54421E-14	2.55183E-15
504	570830.55	4178558.99	0.55, 41785	2.67811	2.99292	2.3948	342.02881	178.80856	871.65336	66.23843	64.34565	121.28657	4.49E-10	4.2E-08	1.12E-08	1.39E-13	4.18E-13	3.3E-13	7.57E-15	1.83E-13	1.01E-14	2.00509E-13	4.489E-10	4.2032E-08	1.12207E-08	1.41688E-13	3.06047E-14	7.07212E-14	5.09193E-15
505	570950.55	4178558.99	0.55, 41785	26.55575	12.00196	5.05287	679.01352	318.67052	1487.06516	280.37281	116.3834	245.48668	1.94E-09	7.47E-08	4.28E-08	5.99E-13	1.81E-12	1.43E-12	3.27E-14	7.91E-13	4.36E-14	8.67036E-13	1.941E-09	7.4721E-08	4.28332E-08	6.12685E-13	1.3234E-13	3.0581E-13	2.20184E-14
506	570990.55	4178558.99	0.55, 41785	10.52141	6.96087	4.44153	639.29991	205.65266	1371.63359	133.52138	75.6432	174.17097	1.08E-09	5.82E-08	2.14E-08	3.35E-13	1.01E-12	7.98E-13	1.83E-14	4.42E-13	2.44E-14	4.84261E-13	1.084E-09	5.8189E-08	2.13948E-08	3.422E-13	7.39151E-14	1.70803E-13	1.22978E-14
507	571030.55	4178558.99	0.55, 41785	6.12086	4.69941	3.63304	562.31532	143.87555	907.33173	97.52112	53.65332	135.00156	7.29E-10	4.14E-08	1.58E-08	2.25E-13	6.8E-13	5.37E-13	1.23E-14	2.97E-13	1.64E-14	3.25757E-13	7.293E-10	4.1401E-08	1.57619E-08	2.30194E-13	4.97219E-14	1.14897E-13	8.27259E-15
508	571070.55	4178558.99	0.55, 41785	4.00501	3.46908	2.98955	291.75499	122.4909	364.39166	69.10596	41.80504	75.82917	5.37E-10	2.55E-08	1.08E-08	1.66E-13	5E-13	3.95E-13	9.05E-15	2.19E-13	1.21E-14	2.39671E-13	5.366E-10	2.5544E-08	1.08241E-08	1.69362E-13	3.65822E-14	8.4534E-14	6.08645E-15
509	571110.55	4178558.99	0.55, 41785	2.89394	2.70355	2.4438	288.47324	105.99812	437.78623	48.03981	36.46899	59.71453	4.17E-10	2.47E-08	7.65E-09	1.29E-13	3.89E-13	3.07E-13	7.03E-15	1.7E-13	9.38E-15	1.86255E-13	4.17E-10	2.4737E-08	7.64632E-09	1.31616E-13	2.8429E-14	6.56937E-14	4.72994E-15
510	571150.55	4178558.99	0.55, 41785	2.21115	2.17534	2.01472	240.56187	97.79178	377.92847	31.90722	30.3701	47.66793	3.35E-10	2.2E-08	5.22E-09	1.03E-13	3.12E-13	2.46E-13	5.64E-15	1.36E-13	7.53E-15	1.49511E-13	3.347E-10	2.2014E-08	5.21787E-09	1.05651E-13	2.28207E-14	5.27339E-14	3.79684E-15
511	571190.55	4178558.99	0.55, 41785	1.76303	1.79806	1.6955	177.14345	83.63267	264.27885	24.55859	26.34777	34.50528	2.76E-10	1.74E-08	3.98E-09	8.53E-14	2.57E-13	2.03E-13	4.66E-15	1.13E-13	6.21E-15	1.23414E-13	2.763E-10	1.7403E-08	3.97813E-09	8.72095E-14	1.88372E-14	4.3529E-14	3.13409E-15
512	571230.55	4178558.99	0.55, 41785	1.44054	1.50665	1.43503	192.87207	80.98435	306.26039	29.09943	22.26218	51.0434	2.31E-10	1.8E-08	4.89E-09	7.14E-14	2.15E-13	1.7E-13	3.9E-15	9.42E-14	5.2E-15	1.03295E-13	2.313E-10	1.8025E-08	4.89043E-09	7.29927E-14	1.57664E-14	3.6433E-14	2.62317E-15
513	571270.55	4178558.99	0.55, 41785	1.19178	1.27042	1.20125	167.21575	71.42327	283.3883	22.32638	19.23301	35.42354	1.95E-10	1.61E-08	3.69E-09	6E-14	1.81E-13	1.43E-13	3.28E-15	7.92E-14	4.37E-15	8.68886E-14	1.945E-10	1.6088E-08	3.68709E-09	6.13992E-14	1.32622E-14	3.06463E-14	2.20653E-15
514	571310.55	4178558.99	0.55, 41785	1.01245	1.08581	1.02025	169.23295	65.49002	155.67948	26.6418	16.91234	25.18935	1.66E-10	1.32E-08	4.1E-09	5.12E-14	1.55E-13	1.22E-13	2.8E-15	6.76E-14	3.73E-15	7.41742E-14	1.661E-10	1.316E-08	4.10254E-09	5.24147E-14	1.13216E-14	2.61618E-14	1.88365E-15
515	571350.55	4178558.99	0.55, 41785	0.8838	0.94242	0.90608	194.09519	63.64749	285.0024	28.90026	14.99354	40.61241	1.45E-10	1.55E-08	4.68E-09	4.46E-14	1.35E-13	1.06E-13	2.44E-15	5.89E-14	3.25E-15	6.45701E-14	1.446E-10	1.5529E-08	4.68153E-09	4.5628E-14	9.85565E-15	2.27744E-14	1.63976E-15
516	571390.55	4178558.99	0.55, 41785	0.78025	0.82372	0.8159	158.10154	57.98385	206.74246	23.81897	12.89204	30.22211	1.27E-10	1.3E-08	3.8E-09	3.92E-14	1.18E-13	9.34E-14	2.14E-15	5.17E-14	2.85E-15	5.66717E-14	1.269E-10	1.2966E-08	3.80187E-09	4.00467E-14	8.65008E-15	1.99886E-14	1.43918E-15
517	571430.55	4178558.99	0.55, 41785	0.68512	0.72115	0.71821	137.68904	52.2569	180.06144	18.93914	11.62385	25.68604	1.11E-10	1.15E-08	3.05E-09	3.43E-14	1.04E-13	8.18E-14	1.87E-15	4.53E-14	2.5E-15	4.96579E-14	1.112E-10	1.151E-08	3.05178E-09	3.50904E-14	7.57953E-15	1.75147E-14	1.26106E-15
518	571470.55	4178558.99	0.55, 41785	0.60049	0.63425	0.62389	143.56241	49.93475	187.32246	19.90478	10.29716	25.60594	9.76E-11	1.14E-08	3.18E-09	3.01E-14	9.1E-14	7.18E-14	1.65E-15	3.98E-14	2.19E-15	4.36007E-14	9.762E-11	1.1431E-08	3.1832E-09	3.08101E-14	6.65499E-15	1.53783E-14	1.10724E-15
519	571510.55	4178558.99	0.55, 41785	0.52736	0.56045	0.5447	131.02036	47.72087	167.66109	18.26486	8.99798	23.11602	8.61E-11	1.06E-08	2.91E-09	2.66E-14	8.02E-14	6.34E-14	1.45E-15	3.51E-14	1.94E-15	3.84559E-14	8.61E-11	1.064E-08	2.91433E-09	2.71746E-14	5.86971E-15	1.35637E-14	9.76587E-16
520	571550.55	4178558.99	0.55, 41785	0.46874	0.49944	0.48529	99.50634	45.73793	109.0385	14.05158	8.03042	15.4257	7.67E-11	8.94E-09	2.2E-09	2.37E-14	7.15E-14	5.65E-14	1.29E-15	3.12E-14	1.72E-15	3.42612E-14	7.671E-11	8.9365E-09	2.20103E-09	2.42104E-14	5.22946E-15	1.20842E-14	8.70063E-16
521	571590.55	4178558.99	0.55, 41785	0.42104	0.44786	0.43792	63.39282	43.98321	60.02596	9.17705	7.35207	9.24249	6.88E-11	7.36E-09	1.42E-09	2.12E-14	6.41E-14	5.07E-14	1.16E-15	2.8E-14	1.55E-15	3.07486E-14	6.884E-11	7.364E-09	1.42301E-09	2.17283E-14	4.69331E-15	1.08453E-14	7.80861E-16
522	570310.55	4178598.99	0.55, 41785	0.10507	0.08466	0.09914	83.25071	28.48032	95.05484	11.19876	3.62883	12.56574	1.37E-11	6.33E-09	1.76E-09	4.21E-15	1.27E-14	1E-14	2.3E-16	5.56E-15	3.07E-16	6.09805E-15	1.365E-11	6.3335E-09	1.75889E-09	4.30914E-15	9.30774E-16	2.15083E-15	1.5486E-16
523	570350.55	4178598.99	0.55, 41785	0.11716	0.09561	0.10985	88.57329	30.33455	103.53599	11.44069	3.79182	12.942	1.54E-11	6.78E-09	1.8E-09	4.74E-15	1.43E-14	1.13E-14	2.59E-16	6.26E-15	3.45E-16	6.86103E-15	1.536E-11	6.7844E-09	1.79872E-09	4.84829E-15	1.04723E-15	2.41994E-15	1.74236E-16
524	570390.55	4178598.99	0.55, 41785	0.13131	0.10865	0.12235	93.2639	32.45644	112.44406	11.65799	4.05706	14.05551	1.74E-11	7.27E-09	1.85E-09	5.37E-15	1.62E-14	1.28E-14	2.93E-16	7.08E-15	3.91E-16	7.76612E-15	1.739E-11	7.267E-09	1.84798E-09	5.48787E-15	1.18538E-15	2.73917E-15	1.9722E-16
525	570430.55	4178598.99	0.55, 41785	0.15022	0.126	0.13878	103.53542	36.02365	122.12845	12.94193	4.50296	15.26606	2.01E-11	8.02E-09	2.05E-09	6.2E-15	1.87E-14	1.48E-14	3.39E-16	8.18E-15	4.51E-16	8.96932E-15	2.008E-11	8.0195E-09	2.04563E-09	6.3381E-15	1.36903E-15	3.16355E-15	2.27776E-16
526	570470.55	4178598.99	0.55, 41785	0.17421	0.14819	0.15942	115.63183	39.91557	131.63773	14.45398	5.34922	16.45472	2.35E-11	8.83E-09	2.27E-09	7.26E-15	2.19E-14	1.73E-14	3.97E-16	9.58E-15	5.29E-16	1.0504E-14	2.352E-11	8.8344E-09	2.27428E-09	7.42261E-15	1.60328E-15	3.70486E-15	2.6675E-16
527	570510.55	4178598.99	0.55, 41785	0.20799	0.17912	0.18803	128.15759	44.54205	154.67263	16.0197	6.36274	19.33408	2.83E-11	9.98E-09	2.54E-09	8.74E-15	2.64E-14	2.08E-14	4.77E-16	1.15E-14	6.36E-16	1.26441E-14	2.831E-11	9.9815E-09	2.53973E-09	8.93489E-15	1.92994E-15	4.45969E-15	3.21098E-16
528	570550.55	4178598.99	0.55, 41785	0.25382	0.22088	0.22625	141.74172	51.90419	182.47104	17.71771	7.41488	22.80888	3.48E-11	1.16E-08	2.83E-09	1.07E-14	3.24E-14	2.56E-14	5.86E-16	1.42E-14	7.82E-16	1.55318E-14	3.477E-11	1.1564E-08	2.83373E-09	1.09754E-14	2.37069E-15	5.47819E-15	3.9443E-16
529	570590.55	4178598.99	0.55, 41785	0.31442	0.27626	0.27638	161.8077	62.94071	207.9054	20.22596	8.27119	25.98817	4.33E-11	1.37E-08	3.23E-09	1.34E-14	4.04E-14	3.19E-14	7.31E-16	1.77E-14	9.74E-16	1.93558E-14	4.334E-11	1.3651E-08	3.23403E-09	1.36777E-14	2.95438E-15	6.82696E-15	4.91541E-16
530	570630.55	4178598.99	0.55, 41785	0.39904	0.35395	0.34775	187.04764	77.01967	233.41259	23.38095	12.20463	29.17657	5.54E-11	1.62E-08	3.72E-09	1.71E-14	5.16E-14	4.07E-14	9.33E-16	2.25E-14	1.24E-15	2.47261E-14	5.536E-11	1.6186E-08	3.72343E-09	1.74725E-14	3.77406E-15	8.72109E-15	6.27918E-16
531	570670.55	4178598.99	0.55, 41785	0.52025	0.46779	0.4567	203.91154	89.67976	314.96286	27.18561	17.16092	39.37036	7.3E-11	1.94E-08	4.42E-09	2.25E-14	6.8E-14	5.37E-14	1.23E-15	2.97E-14	1.64E-15	3.26118E-14	7.302E-11	1.9405E-08	4.42409E-09	2.30449E-14	4.9777E-15	1.15024E-14	8.28176E-16
532	570710.55	4178598.99	0.55, 41785	0.68748	0.63563	0.62617	226.5911	101.22552	383.25212	32.37016	22.387	47.90652	9.9E-11	2.23E-08	5.29E-09	3.06E-14	9.23E-14	7.29E-14	1.67E-15	4.03E-14	2.23E-15	4.42355E-14	9.904E-11	2.2336E-08	5.2857E-09	3.12587E-14	6.75188E-15	1.56022E-14	1.12336E-15
533	570750.55	4178598.99	0.55, 41785	0.91976	0.89022	0.88415	243.41497	114.05895	499.75889	34.77357	31.00996	69.4997	1.38E-10	2.62E-08	5.99E-09	4.27E-14	1.29E-13	1.02E-13	2.33E-15	5.63E-14	3.11E-15	6.17412E-14	1.382E-10	2.6184E-08	5.99199E-09	4.3629E-14	9.42385E-15	2.17766E-14	1.56792E-15
534	570790.55	4178598.99	0.55, 41785	1.20615	1.22781	1.16033	261.32328	130.44037	537.17009	39.31654	39.06207	73.65107	1.89E-10	2.91E-08	6.69E-09	5.82E-14	1.76E-13	1.39E-13	3.18E-15	7.69E-14	4.24E-15	8.43074E-14	1.888E-10	2.9109E-08	6.68905E-09	5.95752E-14	1.28682E-14	2.97359E-14	2.14098E-15
535	570830.55	4178598.99	0.55, 41785	1.86035	2.06593	1.53512	307.79075	158.37727	606.96091	57.33573	51.17396	80.52216	3.08E-10	3.44E-08	9.29E-09	9.5E-14	2.87E-13	2.27E-13	5.19E-15	1.25E-13	6.92E-15	1.37562E-13	3.08E-10	3.4424E-08	9.28692E-09	9.72073E-14	2.09968E-14	4.85193E-14	3.49339E-15
536	570870.55	4178598.99	0.55, 41785	2.81953	3.8452	1.88016	429.66876	238.19724	679.18896	77.96533	87.47681	90.64703	5.47E-10	4.72E-08	1.23E-08	1.69E-13	5.1E-13	4.03E-13	9.23E-15	2.23E-13	1.23E-14	2.44445E-13	5.473E-10	4.7245E-08	1.23004E-08	1.72735E-13	3.73108E-14	8.62177E-14	6.20768E-15
537	570910.55	4178598.99	0.55, 41785	4.21414	6.38342	2.32175	555.65098	273.48442	945.27353	124.98504	103.73159	124.24769	8.88E-10	5.8E-08	1.94E-08	2.74E-13	8.28E-13	6.54E-13	1.5E-14	3.62E-13	2E-14	3.96689E-13	8.882E-10	5.799E-08	1.9352E-08	2.80317E-13	6.05486E-14	1.39915E-13	1.00739E-14
538	570950.55	4178598.99	0.55, 41785	4.59898	4.54538	2.28746	563.80012	195.03038	769.06119	96.52509	58.5202	125.1466	6.66E-10	4.53E-08	1.55E-08	2.05E-13	6.2E-13	4.9E-13	1.12E-14	2.71E-13	1.5E-14	2.97333E-13	6.657E-10	4.5339E-08	1.54534E-08	2.10108E-13	4.53833E-14	1.04872E-13	7.55076E-15
539	570990.55	4178598.99	0.55, 41785	3.82228	3.4158	2.10211	387.45867	157.86758	722.29473	74.93195	45.58999	97.36969	5.12E-10	3.75E-08	1.2E-08	1.58E-13	4.77E-13	3.77E-13	8.63E-15	2.09E-13	1.15E-14	2.28696E-13	5.12E-10	3.7477E-08	1.20002E-08	1.61607E-13	3.4907E-14	8.06631E-14	5.80774E-15
540	571030.55	4178598.99	0.55, 41785	3.02247	2.69987	1.99871	442.17309	124.03841	776.22539	67.82636	38.72372	97.59907	4.11E-10	3.5E-08	1.1E-08	1.27E-13	3.83E-13	3.02E-13	6.92E-15	1.67E-13	9.23E-15	1.83392E-13	4.106E-10	3.4995E-08	1.10269E-08	1.29593E-13	2.7992E-14	6.46838E-14	4.65723E-15
541	571070.55	4178598.99	0.55, 41785	2.43201	2.20804	1.81695	323.32852	105.96293	523.5768	49.87717	32.54487	75.45431	3.38E-10	2.67E-08	8.17E-09	1.04E-13	3.15E-13	2.49E-13	5.71E-15	1.38E-13	7.61E-15	1.51153E-13	3.384E-10	2.671E-08	8.1729E-09	1.06811E-13	2.30712E-14	5.33129E-14	3.83853E-15
542	571110.55	4178598.99	0.55, 41785	1.9361	1.83698	1.53551	285.52756	89.63178	395.42144	42.26506	28.59229	57.87538	2.81E-10	2.19E-08	6.82E-09	8.66E-14	2.62E-13	2.07E-13	4.73E-15	1.14E-13	6.31E-15	1.25395E-13	2.808E-10	2.1935E-08	6.82007E-09	8.86097E-14	1.91397E-14	4.42279E-14	3.18441E-15
543	571150.55	4178598.99	0.55, 41785	1.58315	1.55537	1.34493	182.41041	88.91432	301.39134	29.75311	25.20352	37.67392	2.38E-10	1.88E-08	4.75E-09	7.34E-14	2.21E-13	1.75E-13	4.01E-15	9.68E-14	5.34E-15	1.06171E-13	2.377E-10	1.8775E-08	4.7477E-09	7.50252E-14	1.62055E-14	3.74475E-14	2.69622E-15
544	571190.55	4178598.99	0.55, 41785	1.33739	1.33597	1.20735	189.26194	77.8274	237.13522	24.55337	21.99349	31.52399	2.05E-10	1.64E-08	3.93E-09	6.32E-14	1.91E-13	1.51E-13	3.45E-15	8.34E-14	4.6E-15	9.14605E-14	2.048E-10	1.6382E-08	3.92553E-09	6.46299E-14	1.39601E-14	3.22589E-14	2.32264E-15
545	571230.55	4178598.99	0.55, 41785	1.14183	1.1549	1.07779	177.02423	70.01737	247.02933	25.42204	18.83046	36.19826	1.77E-10	1.54E-08	4.13E-09	5.47E-14	1.65E-13	1.31E-13	2.99E-15	7.23E-14	3.99E-15	7.92404E-14	1.774E-10	1.5418E-08	4.12634E-09	5.59947E-14	1.20948E-14	2.79487E-14	2.01231E-15
546	571270.55	4178598.99	0.55, 41785	0.97959	1.00523	0.95378	160.46118	68.49541	236.51718	22.92303	16.81937	33.9008	1.54E-10	1.48E-08	3.74E-09	4.77E-14	1.44E-13	1.14E-13	2.61E-15	6.29E-14	3.47E-15	6.90043E-14	1.545E-10	1.4816E-08	3.74266E-09	4.87614E-14	1.05325E-14	2.43384E-14	1.75236E-15
547	571310.55	4178598.99	0.55, 41785	0.84011	0.87488	0.82502	131.92842	62.86665	193.55215	16.49105	15.16442	24.19402	1.34E-10	1.3E-08	2.69E-09	4.14E-14	1.25E-13	9.88E-14	2.26E-15	5.47E-14	3.02E-15	5.99395E-14	1.342E-10	1.2976E-08	2.68912E-09	4.23558E-14	9.14885E-15	2.11411E-14	1.52216E-15
548	571350.55	4178598.99	0.55, 41785	0.73896	0.77159	0.73066	149.85158	58.69155	153.82017	22.55392	13.49962	22.49489	1.18E-10	1.2E-08	3.49E-09	3.65E-14	1.1E-13	8.71E-14	2E-15	4.82E-14	2.66E-15	5.28743E-14	1.184E-10	1.2018E-08	3.49342E-09	3.73633E-14	8.07046E-15	1.86492E-14	1.34274E-15
549	571390.55	4178598.99	0.55, 41785	0.661	0.68563	0.66671	168.50279	56.32456	235.09945	24.41155	12.10471	32.40344	1.06E-10	1.34E-08	3.92E-09	3.26E-14	9.84E-14	7.77E-14	1.78E-15	4.3E-14	2.37E-15	4.71465E-14	1.056E-10	1.3399E-08	3.92133E-09	3.33158E-14	7.1962E-15	1.6629E-14	1.19729E-15
550	571430.55	4178598.99	0.55, 41785	0.59511	0.61204	0.61151	136.17098	51.76249	171.68803	20.03651	10.61326	24.28892	9.46E-11	1.13E-08	3.18E-09	2.92E-14	8.81E-14	6.96E-14	1.59E-15	3.85E-14	2.13E-15	4.22448E-14	9.458E-11	1.1282E-08	3.1784E-09	2.9852E-14	6.44803E-15	1.49001E-14	1.07281E-15
551	571470.55	4178598.99	0.55, 41785	0.53051	0.54561	0.54811	117.9441	47.17442	154.11151	16.84916	9.40387	22.01593	8.44E-11	1.02E-08	2.7E-09	2.6E-14	7.86E-14	6.21E-14	1.42E-15	3.44E-14	1.9E-15	3.76827E-14	8.437E-11	1.0155E-08	2.70047E-09	2.66282E-14	5.75169E-15	1.3291E-14	9.5695E-16
552	571510.55	4178598.99	0.55, 41785	0.47218	0.48877	0.48576	120.07824	45.51387	145.12306	16.38718	8.49605	19.65912	7.54E-11	9.82E-09	2.6E-09	2.33E-14	7.03E-14	5.55E-14	1.27E-15	3.07E-14	1.7E-15	3.36972E-14	7.545E-11	9.823E-09	2.59592E-09	2.38118E-14	5.14336E-15	1.18853E-14	8.55738E-16
553	571550.55	4178598.99	0.55, 41785	0.42043	0.43954	0.43052	119.99429	43.92883	151.34582	16.43506	7.56489	20.5622	6.77E-11	9.73E-09	2.62E-09	2.09E-14	6.31E-14	4.98E-14	1.14E-15	2.76E-14	1.52E-15	3.0228E-14	6.768E-11	9.7342E-09	2.61822E-09	2.13604E-14	4.61384E-15	1.06616E-14	7.67639E-16
554	571590.55	4178598.99	0.55, 41785	0.37632	0.39688	0.38556	100.33698	42.40478	116.86516	13.86046	7.00095	16.11187	6.1E-11	8.67E-09	2.19E-09	1.88E-14	5.68E-14	4.49E-14	1.03E-15	2.48E-14	1.37E-15	2.72489E-14	6.101E-11	8.6722E-09	2.18668E-09	1.92553E-14	4.15914E-15	9.61092E-15	6.91986E-16
555	570310.55	4178638.99	0.55, 41786	0.10356	0.08559	0.09711	83.92303	29.66661	96.15389	10.49038	3.70833	12.01924	1.37E-11	6.51E-09	1.65E-09	4.23E-15	1.28E-14	1.01E-14	2.31E-16	5.58E-15	3.08E-16	6.12423E-15	1.371E-11	6.5087E-09	1.65196E-09	4.32764E-15	9.34771E-16	2.16006E-15	1.55525E-16
556	570350.55	4178638.99	0.55, 41786	0.1161	0.09716	0.10841	92.63397	32.60646	103.61771	11.57925	4.08084	12.95221	1.55E-11	7.12E-09	1.82E-09	4.79E-15	1.45E-14	1.14E-14	2.62E-16	6.32E-15	3.49E-16	6.92882E-15	1.551E-11	7.1232E-09	1.81795E-09	4.8962E-15	1.05758E-15	2.44385E-15	1.75957E-16
557	570390.55	4178638.99	0.55, 41786	0.13068	0.11086	0.1215	100.54346	34.97331	116.66288	12.56793	4.70976	14.58286	1.76E-11	7.75E-09	1.98E-09	5.44E-15	1.64E-14	1.3E-14	2.97E-16	7.18E-15	3.97E-16	7.87762E-15	1.764E-11	7.7529E-09	1.98231E-09	5.56666E-15	1.2024E-15	2.7785E-15	2.00052E-16
558	570430.55	4178638.99	0.55, 41786	0.14929	0.12834	0.13819	107.49924	37.52244	130.89362	13.4374	5.36035	16.3617	2.03E-11	8.41E-09	2.13E-09	6.28E-15	1.9E-14	1.5E-14	3.43E-16	8.29E-15	4.57E-16	9.08815E-15	2.035E-11	8.4125E-09	2.13284E-09	6.42207E-15	1.38717E-15	3.20546E-15	2.30793E-16
559	570470.55	4178638.99	0.55, 41786	0.17443	0.15183	0.16061	116.62505	42.4162	145.19757	14.57813	6.05946	18.1497	2.4E-11	9.39E-09	2.32E-09	7.4E-15	2.24E-14	1.77E-14	4.05E-16	9.77E-15	5.39E-16	1.07156E-14	2.399E-11	9.3933E-09	2.32085E-09	7.57213E-15	1.63558E-15	3.77949E-15	2.72123E-16
560	570510.55	4178638.99	0.55, 41786	0.20768	0.18277	0.19013	127.00459	48.18252	156.06863	15.87557	6.71257	19.50858	2.88E-11	1.04E-08	2.52E-09	8.88E-15	2.68E-14	2.12E-14	4.85E-16	1.17E-14	6.47E-16	1.28601E-14	2.879E-11	1.044E-08	2.52294E-09	9.08747E-15	1.96289E-15	4.53585E-15	3.26581E-16
561	570550.55	4178638.99	0.55, 41786	0.2504	0.22269	0.22841	148.76746	59.99627	172.72318	18.59593	7.58374	21.5904	3.5E-11	1.25E-08	2.93E-09	1.08E-14	3.26E-14	2.58E-14	5.9E-16	1.43E-14	7.87E-16	1.56273E-14	3.499E-11	1.2493E-08	2.93331E-09	1.10429E-14	2.38526E-15	5.51186E-15	3.96854E-16
562	570590.55	4178638.99	0.55, 41786	0.30521	0.27478	0.27907	162.38276	69.4472	222.88998	20.29784	10.74133	27.86125	4.31E-11	1.47E-08	3.28E-09	1.33E-14	4.01E-14	3.17E-14	7.26E-16	1.75E-14	9.68E-16	1.92378E-14	4.307E-11	1.4724E-08	3.27651E-09	1.35942E-14	2.93635E-15	6.78531E-15	4.88543E-16
563	570630.55	4178638.99	0.55, 41786	0.37839	0.34592	0.35098	177.15033	78.68271	266.26636	23.7109	14.16715	33.28329	5.41E-11	1.68E-08	3.84E-09	1.67E-14	5.04E-14	3.98E-14	9.13E-16	2.2E-14	1.22E-15	2.41794E-14	5.414E-11	1.6826E-08	3.84027E-09	1.70862E-14	3.69062E-15	8.52828E-15	6.14036E-16

564	570670.55	4178638.99	0.55, 41786	0.47152	0.44129	0.44999	194.04584	86.02037	313.51443	27.72083	17.24466	39.1893	6.89E-11	1.88E-08	4.49E-09	2.13E-14	6.42E-14	5.07E-14	1.16E-15	2.81E-14	1.55E-15	3.07936E-14	6.894E-11	1.879E-08	4.49456E-09	2.176E-14	4.70017E-15	1.08611E-14	7.82002E-16
565	570710.55	4178638.99	0.55, 41786	0.59058	0.57043	0.57865	207.44684	93.90742	372.29223	29.63526	21.88085	53.1846	8.88E-11	2.1E-08	5E-09	2.74E-14	8.27E-14	6.54E-14	1.5E-15	3.62E-14	2E-15	3.96639E-14	8.88E-11	2.0974E-08	5.00139E-09	2.80282E-14	6.05409E-15	1.39898E-14	1.00726E-15
566	570750.55	4178638.99	0.55, 41786	0.7421	0.74424	0.7234	219.27007	107.04803	379.32522	31.3243	27.05481	52.15596	1.15E-10	2.29E-08	5.22E-09	3.55E-14	1.07E-13	8.46E-14	1.94E-15	4.68E-14	2.58E-15	5.13274E-14	1.149E-10	2.2886E-08	5.21579E-09	3.62701E-14	7.83434E-15	1.81036E-14	1.30346E-15
567	570790.55	4178638.99	0.55, 41786	0.94425	0.97087	0.85006	237.37937	117.94026	412.19598	33.01145	30.70173	55.76703	1.48E-10	2.51E-08	5.51E-09	4.57E-14	1.38E-13	1.09E-13	2.49E-15	6.03E-14	3.33E-15	6.60814E-14	1.48E-10	2.5056E-08	5.51067E-09	4.66959E-14	1.00863E-14	2.33074E-14	1.67813E-15
568	570830.55	4178638.99	0.55, 41786	1.23329	1.33292	0.96284	295.25944	130.22679	473.13116	42.69044	39.99654	61.26658	1.99E-10	2.84E-08	6.94E-09	6.13E-14	1.85E-13	1.46E-13	3.35E-15	8.09E-14	4.47E-15	8.87446E-14	1.987E-10	2.8441E-08	6.93759E-09	6.27107E-14	1.35455E-14	3.13009E-14	2.25367E-15
569	570870.55	4178638.99	0.55, 41786	1.50989	1.73214	1.20169	317.24906	188.19869	615.93486	58.25942	53.82297	76.99186	2.56E-10	3.84E-08	9.35E-09	7.9E-14	2.39E-13	1.88E-13	4.32E-15	1.04E-13	5.76E-15	1.14363E-13	2.56E-10	3.8398E-08	9.35253E-09	8.08135E-14	1.74557E-14	4.03366E-14	2.90423E-15
570	570910.55	4178638.99	0.55, 41786	1.78259	1.99297	1.30656	332.58479	179.86407	638.76492	63.94152	52.98497	79.84561	2.94E-10	3.8E-08	1.02E-08	9.07E-14	2.74E-13	2.16E-13	4.96E-15	1.2E-13	6.61E-15	1.31274E-13	2.939E-10	3.7979E-08	1.01837E-08	9.27639E-14	2.0037E-14	4.63014E-14	3.3337E-15
571	570950.55	4178638.99	0.55, 41786	1.86524	1.94862	1.2876	326.77204	147.92341	425.10208	57.64661	41.4452	82.66786	2.89E-10	3.02E-08	9.37E-09	8.93E-14	2.7E-13	2.13E-13	4.88E-15	1.18E-13	6.5E-15	1.29192E-13	2.893E-10	3.0232E-08	9.36701E-09	9.12926E-14	1.97192E-14	4.5567E-14	3.28083E-15
572	570990.55	4178638.99	0.55, 41786	1.76592	1.78245	1.25006	311.73236	122.31574	573.48464	43.80696	33.57582	91.70195	2.67E-10	2.94E-08	7.62E-09	8.23E-14	2.48E-13	1.96E-13	4.5E-15	1.09E-13	6E-15	1.19108E-13	2.667E-10	2.9439E-08	7.62075E-09	8.41668E-14	1.818E-14	4.20104E-14	3.02475E-15
573	571030.55	4178638.99	0.55, 41786	1.5977	1.58915	1.17717	263.38378	106.70114	334.97263	40.88022	26.80487	57.79917	2.39E-10	2.27E-08	6.63E-09	7.38E-14	2.23E-13	1.76E-13	4.03E-15	9.74E-14	5.38E-15	1.06823E-13	2.392E-10	2.2685E-08	6.62828E-09	7.54858E-14	1.63049E-14	3.76774E-14	2.71277E-15
574	571070.55	4178638.99	0.55, 41786	1.42629	1.41473	1.18099	323.91584	92.06505	516.79706	44.84431	24.93328	64.76299	2.15E-10	2.49E-08	7.29E-09	6.64E-14	2.01E-13	1.58E-13	3.63E-15	8.77E-14	4.84E-15	9.61569E-14	2.153E-10	2.4882E-08	7.29466E-09	6.79486E-14	1.46769E-14	3.39153E-14	2.4419E-15
575	571110.55	4178638.99	0.55, 41786	1.27265	1.25146	1.07066	231.49813	85.11921	353.08688	34.4516	22.95032	48.16161	1.91E-10	1.99E-08	5.58E-09	5.9E-14	1.78E-13	1.41E-13	3.22E-15	7.78E-14	4.3E-15	8.53297E-14	1.91E-10	1.9889E-08	5.57641E-09	6.02976E-14	1.30243E-14	3.00965E-14	2.16695E-15
576	571150.55	4178638.99	0.55, 41786	1.10067	1.1079	0.9372	235.36335	78.49538	345.02109	33.92291	20.75102	48.66179	1.69E-10	1.9E-08	5.51E-09	5.2E-14	1.57E-13	1.24E-13	2.84E-15	6.87E-14	3.79E-15	7.52969E-14	1.686E-10	1.8983E-08	5.5124E-09	5.3208E-14	1.14929E-14	2.65578E-14	1.91216E-15
577	571190.55	4178638.99	0.55, 41786	0.96404	0.98605	0.85109	150.10185	73.9658	197.92558	22.00887	18.66835	28.93746	1.5E-10	1.47E-08	3.53E-09	4.63E-14	1.4E-13	1.1E-13	2.53E-15	6.11E-14	3.38E-15	6.70506E-14	1.501E-10	1.4677E-08	3.53056E-09	4.73808E-14	1.02342E-14	2.36493E-14	1.70275E-15
578	571230.55	4178638.99	0.55, 41786	0.85847	0.87787	0.78438	130.71922	65.23747	181.52397	20.98447	16.26127	28.21366	1.34E-10	1.3E-08	3.38E-09	4.14E-14	1.25E-13	9.87E-14	2.26E-15	5.46E-14	3.02E-15	5.99028E-14	1.341E-10	1.3043E-08	3.37707E-09	4.23299E-14	9.14326E-15	2.11282E-14	1.52123E-15
579	571270.55	4178638.99	0.55, 41786	0.76521	0.78388	0.72231	147.71702	61.52416	210.17535	22.46264	14.29709	35.02922	1.2E-10	1.33E-08	3.7E-09	3.71E-14	1.12E-13	8.84E-14	2.03E-15	4.89E-14	2.7E-15	5.36512E-14	1.201E-10	1.3319E-08	3.69897E-09	3.79122E-14	8.18904E-15	1.89232E-14	1.36247E-15
580	571310.55	4178638.99	0.55, 41786	0.67814	0.70066	0.65218	136.41117	59.8434	199.34802	17.34958	13.40052	24.9185	1.07E-10	1.28E-08	2.82E-09	3.31E-14	1E-13	7.9E-14	1.81E-15	4.37E-14	2.41E-15	4.797E-14	1.074E-10	1.2765E-08	2.81981E-09	3.38977E-14	7.3219E-15	1.69194E-14	1.2182E-15
581	571350.55	4178638.99	0.55, 41786	0.60279	0.6273	0.58324	124.67819	56.4143	162.56927	15.58477	12.33978	20.32116	9.61E-11	1.15E-08	2.5E-09	2.96E-14	8.95E-14	7.07E-14	1.62E-15	3.91E-14	2.16E-15	4.29154E-14	9.608E-11	1.1538E-08	2.49708E-09	3.03258E-14	6.55038E-15	1.51366E-14	1.08983E-15
582	571390.55	4178638.99	0.55, 41786	0.54567	0.56561	0.53406	134.64293	53.30447	146.45838	19.4501	11.04071	20.47738	8.68E-11	1.1E-08	3.03E-09	2.68E-14	8.09E-14	6.39E-14	1.46E-15	3.54E-14	1.95E-15	3.8772E-14	8.681E-11	1.1012E-08	3.03143E-09	2.73979E-14	5.91795E-15	1.36752E-14	9.84613E-16
583	571430.55	4178638.99	0.55, 41786	0.50035	0.51255	0.49968	147.79016	50.85435	197.85336	20.77571	9.97795	26.64502	7.9E-11	1.18E-08	3.32E-09	2.44E-14	7.36E-14	5.82E-14	1.33E-15	3.22E-14	1.78E-15	3.52934E-14	7.902E-11	1.1787E-08	3.32107E-09	2.49398E-14	5.38701E-15	1.24483E-14	8.96276E-16
584	571470.55	4178638.99	0.55, 41786	0.45884	0.46513	0.46599	118.76181	47.03177	145.5886	16.94782	8.9119	19.9832	7.2E-11	1E-08	2.68E-09	2.22E-14	6.71E-14	5.3E-14	1.21E-15	2.93E-14	1.62E-15	3.21553E-14	7.199E-11	1E-08	2.67867E-09	2.27223E-14	4.90802E-15	1.13414E-14	8.16584E-16
585	571510.55	4178638.99	0.55, 41786	0.41516	0.4204	0.42431	105.04191	43.02213	132.76114	15.00599	7.61313	18.96588	6.51E-11	9.09E-09	2.39E-09	2.01E-14	6.07E-14	4.79E-14	1.1E-15	2.65E-14	1.46E-15	2.90902E-14	6.513E-11	9.0906E-09	2.3939E-09	2.05564E-14	4.44017E-15	1.02603E-14	7.38744E-16
586	571550.55	4178638.99	0.55, 41786	0.37489	0.38245	0.3824	101.59712	41.64808	125.74417	13.25702	7.0054	15.71802	5.91E-11	8.75E-09	2.1E-09	1.83E-14	5.51E-14	4.35E-14	9.97E-16	2.41E-14	1.33E-15	2.64188E-14	5.915E-11	8.7507E-09	2.09683E-09	1.86686E-14	4.03243E-15	9.31811E-15	6.70904E-16
587	571590.55	4178638.99	0.55, 41786	0.33863	0.34937	0.34405	106.83121	40.48294	130.44071	14.45913	6.53587	17.55635	5.39E-11	8.76E-09	2.29E-09	1.66E-14	5.02E-14	3.97E-14	9.09E-16	2.19E-14	1.21E-15	2.40689E-14	5.389E-11	8.7612E-09	2.29416E-09	1.70081E-14	3.67375E-15	8.48928E-15	6.11228E-16
588	570310.55	4178678.99	0.55, 41786	0.10291	0.0869	0.09701	88.39628	30.98258	103.31105	11.04953	4.21243	12.91388	1.39E-11	6.86E-09	1.74E-09	4.28E-15	1.29E-14	1.02E-14	2.34E-16	5.65E-15	3.12E-16	6.19174E-15	1.386E-11	6.8582E-09	1.74443E-09	4.37535E-15	9.45075E-16	2.18388E-15	1.57239E-16
589	570350.55	4178678.99	0.55, 41786	0.11574	0.09888	0.10892	93.23081	33.32166	112.3331	11.65385	4.76024	14.04164	1.57E-11	7.37E-09	1.85E-09	4.85E-15	1.47E-14	1.16E-14	2.65E-16	6.41E-15	3.54E-16	7.02552E-15	1.573E-11	7.3716E-09	1.84717E-09	4.96453E-15	1.07234E-15	2.47795E-15	1.78413E-16
590	570390.55	4178678.99	0.55, 41786	0.13137	0.11361	0.12342	99.39798	36.831	119.21549	12.42475	5.26157	14.90194	1.8E-11	8.01E-09	1.97E-09	5.56E-15	1.68E-14	1.33E-14	3.04E-16	7.34E-15	4.05E-16	8.04866E-15	1.802E-11	8.011E-09	1.96817E-09	5.68753E-15	1.22851E-15	2.83883E-15	2.04396E-16
591	570430.55	4178678.99	0.55, 41786	0.15074	0.13191	0.14135	105.99103	39.73692	126.723	13.24888	5.6767	15.84037	2.09E-11	8.59E-09	2.1E-09	6.44E-15	1.94E-14	1.54E-14	3.52E-16	8.5E-15	4.69E-16	9.31883E-15	2.086E-11	8.5926E-09	2.09784E-09	6.58508E-15	1.42238E-15	3.28683E-15	2.36651E-16
592	570470.55	4178678.99	0.55, 41786	0.17494	0.15487	0.16378	121.69462	47.75873	135.7735	15.21183	5.96984	16.97169	2.44E-11	9.96E-09	2.39E-09	7.54E-15	2.28E-14	1.8E-14	4.12E-16	9.95E-15	5.49E-16	1.09113E-14	2.443E-11	9.9604E-09	2.38751E-09	7.71038E-15	1.66544E-15	3.8485E-15	2.77092E-16
593	570510.55	4178678.99	0.55, 41786	0.2057	0.18414	0.19253	135.37794	56.46386	170.3708	16.92224	7.12807	21.29635	2.9E-11	1.18E-08	2.7E-09	8.94E-15	2.7E-14	2.13E-14	4.89E-16	1.18E-14	6.51E-16	1.2942E-14	2.898E-11	1.1829E-08	2.698E-09	9.1454E-15	1.97541E-15	4.56476E-15	3.28663E-16
594	570550.55	4178678.99	0.55, 41786	0.2434	0.22078	0.22908	142.10791	62.60325	200.29273	17.76349	9.55219	25.03659	3.47E-11	1.32E-08	2.88E-09	1.07E-14	3.23E-14	2.55E-14	5.85E-16	1.41E-14	7.79E-16	1.54835E-14	3.467E-11	1.3202E-08	2.87879E-09	1.09413E-14	2.36332E-15	5.46115E-15	3.93203E-16
595	570590.55	4178678.99	0.55, 41786	0.29132	0.2684	0.27784	157.44437	70.02377	210.9671	21.20731	12.01595	26.37089	4.21E-11	1.45E-08	3.38E-09	1.3E-14	3.92E-14	3.1E-14	7.09E-16	1.71E-14	9.46E-16	1.87896E-14	4.207E-11	1.4519E-08	3.37566E-09	1.32775E-14	2.86795E-15	6.62724E-15	4.77161E-16
596	570630.55	4178678.99	0.55, 41786	0.34871	0.32823	0.33909	170.78411	74.6949	263.98396	24.39773	14.09383	33.40233	5.13E-11	1.62E-08	3.94E-09	1.58E-14	4.78E-14	3.78E-14	8.65E-16	2.09E-14	1.15E-15	2.29258E-14	5.133E-11	1.6204E-08	3.93681E-09	1.62003E-14	3.49927E-15	8.08611E-15	5.822E-16
597	570670.55	4178678.99	0.55, 41786	0.41782	0.40379	0.41108	181.29369	80.27499	295.25985	25.8991	15.99045	42.12286	6.29E-11	1.76E-08	4.3E-09	1.94E-14	5.86E-14	4.63E-14	1.06E-15	2.56E-14	1.41E-15	2.80868E-14	6.288E-11	1.7585E-08	4.29505E-09	1.98473E-14	4.28703E-15	9.90645E-15	7.13264E-16
598	570710.55	4178678.99	0.55, 41786	0.49876	0.49687	0.48618	185.88712	90.92914	287.65142	26.5553	19.21501	39.31628	7.68E-11	1.88E-08	4.34E-09	2.37E-14	7.16E-14	5.65E-14	1.3E-15	3.13E-14	1.73E-15	3.43129E-14	7.682E-11	1.8833E-08	4.33646E-09	2.4247E-14	5.23734E-15	1.21024E-14	8.71375E-16
599	570750.55	4178678.99	0.55, 41786	0.59336	0.60818	0.55751	195.07014	97.11431	330.72411	27.40212	20.89244	45.57898	9.31E-11	2.05E-08	4.56E-09	2.87E-14	8.68E-14	6.86E-14	1.57E-15	3.79E-14	2.09E-15	4.16011E-14	9.314E-11	2.0475E-08	4.56191E-09	2.93971E-14	6.34978E-15	1.4673E-14	1.05646E-15
600	570790.55	4178678.99	0.55, 41786	0.71288	0.74367	0.61675	232.56486	100.08812	327.08033	29.70634	25.09865	40.88504	1.13E-10	2.13E-08	4.8E-09	3.47E-14	1.05E-13	8.29E-14	1.9E-15	4.59E-14	2.53E-15	5.02854E-14	1.126E-10	2.1301E-08	4.79714E-09	3.55338E-14	7.6753E-15	1.7736E-14	1.277E-15
601	570830.55	4178678.99	0.55, 41786	0.82835	0.8948	0.66469	250.25968	113.32691	367.70207	36.36599	33.16876	46.21837	1.34E-10	2.39E-08	5.81E-09	4.13E-14	1.25E-13	9.84E-14	2.25E-15	5.45E-14	3.01E-15	5.97201E-14	1.337E-10	2.3891E-08	5.8059E-09	4.22008E-14	9.11537E-15	2.10638E-14	1.51659E-15
602	570870.55	4178678.99	0.55, 41786	0.92801	1.04065	0.83445	269.45277	158.88347	492.55659	39.41339	35.15016	62.53118	1.56E-10	3.2E-08	6.51E-09	4.82E-14	1.45E-13	1.15E-13	2.63E-15	6.36E-14	3.51E-15	6.97118E-14	1.561E-10	3.1962E-08	6.50888E-09	4.92613E-14	1.06404E-14	2.45879E-14	1.77033E-15
603	570910.55	4178678.99	0.55, 41786	1.03394	1.13081	0.83809	259.70616	144.94226	471.11442	42.20689	35.5523	58.8893	1.69E-10	2.97E-08	6.83E-09	5.21E-14	1.57E-13	1.24E-13	2.85E-15	6.87E-14	3.79E-15	7.53767E-14	1.688E-10	2.973E-08	6.82972E-09	5.32644E-14	1.15051E-14	2.65859E-14	1.91419E-15
604	570950.55	4178678.99	0.55, 41786	1.05684	1.13643	0.82319	242.80014	123.49716	418.67106	39.92153	30.15323	58.18912	1.7E-10	2.59E-08	6.5E-09	5.23E-14	1.58E-13	1.25E-13	2.86E-15	6.9E-14	3.81E-15	7.57135E-14	1.695E-10	2.5931E-08	6.50321E-09	5.35024E-14	1.15565E-14	2.67048E-14	1.92274E-15
605	570990.55	4178678.99	0.55, 41786	1.01802	1.09421	0.82722	255.86386	105.93706	407.98363	37.15781	26.85338	67.99727	1.64E-10	2.38E-08	6.29E-09	5.06E-14	1.53E-13	1.21E-13	2.76E-15	6.67E-14	3.68E-15	7.31724E-14	1.638E-10	2.3756E-08	6.29377E-09	5.17068E-14	1.11687E-14	2.58085E-14	1.85821E-15
606	571030.55	4178678.99	0.55, 41786	0.98373	1.03259	0.8073	224.24787	96.85684	406.17161	32.03518	21.71644	50.77145	1.55E-10	2.22E-08	5.29E-09	4.79E-14	1.45E-13	1.14E-13	2.62E-15	6.33E-14	3.49E-15	6.94022E-14	1.554E-10	2.2162E-08	5.28947E-09	4.90426E-14	1.05932E-14	2.44787E-14	1.76247E-15
607	571070.55	4178678.99	0.55, 41786	0.92088	0.95493	0.77727	234.21131	81.25508	306.97474	29.84103	18.74017	38.37184	1.44E-10	1.86E-08	4.77E-09	4.46E-14	1.35E-13	1.06E-13	2.43E-15	5.88E-14	3.25E-15	6.44903E-14	1.444E-10	1.8646E-08	4.77194E-09	4.55716E-14	9.84346E-15	2.27462E-14	1.63773E-15
608	571110.55	4178678.99	0.55, 41786	0.85296	0.87816	0.75636	249.82687	76.90023	376.11255	32.83771	18.41049	47.06858	1.34E-10	1.95E-08	5.34E-09	4.12E-14	1.24E-13	9.83E-14	2.25E-15	5.44E-14	3E-15	5.96668E-14	1.336E-10	1.9528E-08	5.33542E-09	4.21631E-14	9.10724E-15	2.1045E-14	1.51524E-15
609	571150.55	4178678.99	0.55, 41786	0.78449	0.80428	0.7091	184.12399	71.8753	265.86204	26.94504	17.68151	37.98029	1.23E-10	1.61E-08	4.37E-09	3.79E-14	1.14E-13	9.03E-14	2.07E-15	5E-14	2.76E-15	5.47947E-14	1.227E-10	1.6074E-08	4.36682E-09	3.87203E-14	8.36358E-15	1.93265E-14	1.39151E-15
610	571190.55	4178678.99	0.55, 41786	0.70872	0.73542	0.64227	192.12547	69.23049	267.93218	27.25383	16.04767	37.1098	1.12E-10	1.59E-08	4.39E-09	3.45E-14	1.04E-13	8.24E-14	1.89E-15	4.56E-14	2.52E-15	5.00023E-14	1.12E-10	1.5895E-08	4.39414E-09	3.53338E-14	7.6321E-15	1.76362E-14	1.26981E-15
611	571230.55	4178678.99	0.55, 41786	0.64141	0.6715	0.58509	152.95792	62.82263	210.7281	21.78847	14.44714	29.62503	1.02E-10	1.36E-08	3.51E-09	3.15E-14	9.51E-14	7.52E-14	1.72E-15	4.16E-14	2.3E-15	4.56103E-14	1.021E-10	1.3562E-08	3.51221E-09	3.22302E-14	6.96171E-15	1.60871E-14	1.15827E-15
612	571270.55	4178678.99	0.55, 41786	0.5854	0.61191	0.54631	124.65244	57.66905	171.62004	20.54509	12.75642	28.60334	9.33E-11	1.19E-08	3.32E-09	2.88E-14	8.69E-14	6.87E-14	1.57E-15	3.8E-14	2.1E-15	4.16705E-14	9.33E-11	1.185E-08	3.32342E-09	2.94462E-14	6.36037E-15	1.46975E-14	1.05822E-15
613	571310.55	4178678.99	0.55, 41786	0.53447	0.5582	0.50849	125.80787	55.1913	171.33448	17.97255	11.70277	24.47635	8.53E-11	1.16E-08	2.9E-09	2.63E-14	7.95E-14	6.28E-14	1.44E-15	3.47E-14	1.92E-15	3.80945E-14	8.529E-11	1.1555E-08	2.89779E-09	2.69192E-14	5.81454E-15	1.34362E-14	9.67408E-16
614	571350.55	4178678.99	0.55, 41786	0.48504	0.50906	0.46427	111.39997	53.56601	157.83086	13.925	11.19981	19.72886	7.78E-11	1.09E-08	2.26E-09	2.4E-14	7.24E-14	5.72E-14	1.31E-15	3.17E-14	1.75E-15	3.47303E-14	7.776E-11	1.0919E-08	2.2585E-09	2.45419E-14	5.30106E-15	1.22497E-14	8.81976E-16
615	571390.55	4178678.99	0.55, 41786	0.44312	0.4655	0.42576	107.51836	51.27371	117.14548	13.43979	10.40254	14.64318	7.11E-11	9.87E-09	2.1E-09	2.19E-14	6.63E-14	5.23E-14	1.2E-15	2.9E-14	1.6E-15	3.17654E-14	7.112E-11	9.8734E-09	2.10327E-09	2.24468E-14	4.8485E-15	1.12039E-14	8.06681E-16
616	571430.55	4178678.99	0.55, 41786	0.41031	0.42684	0.39928	122.12368	48.88835	136.65658	17.23844	9.36082	18.91196	6.54E-11	1.01E-08	2.7E-09	2.02E-14	6.1E-14	4.82E-14	1.1E-15	2.66E-14	1.47E-15	2.92211E-14	6.542E-11	1.0121E-08	2.7E-09	2.06489E-14	4.46015E-15	1.03065E-14	7.42068E-16
617	571470.55	4178678.99	0.55, 41786	0.38401	0.39267	0.38101	130.83453	46.56818	169.29762	18.03085	8.50414	22.62935	6.05E-11	1.05E-08	2.87E-09	1.87E-14	5.64E-14	4.45E-14	1.02E-15	2.46E-14	1.36E-15	2.70289E-14	6.052E-11	1.0524E-08	2.87367E-09	1.90998E-14	4.12556E-15	9.53333E-15	6.86399E-16
618	571510.55	4178678.99	0.55, 41786	0.35733	0.36026	0.36021	104.69184	43.30646	125.50481	14.57371	7.68103	16.95061	5.58E-11	8.99E-09	2.3E-09	1.72E-14	5.2E-14	4.11E-14	9.4E-16	2.27E-14	1.25E-15	2.4912E-14	5.578E-11	8.9946E-09	2.29937E-09	1.76039E-14	3.80244E-15	8.78665E-15	6.32639E-16
619	571550.55	4178678.99	0.55, 41786	0.32923	0.33046	0.33426	93.91251	40.06683	115.0705	13.41607	6.60436	16.43864	5.12E-11	8.26E-09	2.13E-09	1.58E-14	4.78E-14	3.77E-14	8.64E-16	2.09E-14	1.15E-15	2.28903E-14	5.125E-11	8.2625E-09	2.13125E-09	1.61752E-14	3.49385E-15	8.07358E-15	5.81298E-16
620	571590.55	4178678.99	0.55, 41786	0.30119	0.30402	0.3057	90.51235	37.8645	108.48539	11.49242	5.95997	13.56067	4.71E-11	7.83E-09	1.82E-09	1.45E-14	4.39E-14	3.47E-14	7.94E-16	1.92E-14	1.06E-15	2.10341E-14	4.709E-11	7.8284E-09	1.8166E-09	1.48636E-14	3.21054E-15	7.41891E-15	5.34162E-16
621	570310.55	4178718.99	0.55, 41787	0.10285	0.08839	0.09803	86.08959	31.99227	98.88317	10.7612	4.57032	12.3604	1.41E-11	6.87E-09	1.7E-09	4.34E-15	1.31E-14	1.04E-14	2.37E-16	5.73E-15	3.16E-16	6.28156E-15	1.406E-11	6.8738E-09	1.69514E-09	4.43882E-15	9.58785E-16	2.21556E-15	1.5952E-16
622	570350.55	4178718.99	0.55, 41787	0.11563	0.10049	0.11012	90.6137	34.18211	105.82439	11.32671	4.88316	13.22805	1.59E-11	7.33E-09	1.79E-09	4.92E-15	1.49E-14	1.17E-14	2.69E-16	6.5E-15	3.59E-16	7.12305E-15	1.595E-11	7.3283E-09	1.78802E-09	5.03345E-15	1.08723E-15	2.51236E-15	1.8089E-16
623	570390.55	4178718.99	0.55, 41787	0.13114	0.11521	0.12472	102.01088	38.97546	110.90458	12.75136	5.08393	13.86307	1.82E-11	8.17E-09	2E-09	5.63E-15	1.7E-14	1.34E-14	3.08E-16	7.43E-15	4.1E-16	8.14568E-15	1.824E-11	8.1679E-09	1.99501E-09	5.75608E-15	1.24331E-15	2.87304E-15	2.06859E-16
624	570430.55	4178718.99	0.55, 41787	0.15	0.13322	0.1425	114.28488	46.41789	135.81295	14.28561	5.80224	16.97662	2.1E-11	9.69E-09	2.26E-09	6.49E-15	1.96E-14	1.55E-14	3.55E-16	8.57E-15	4.73E-16	9.3955E-15	2.104E-11	9.6921E-09	2.2602E-09	6.63926E-15	1.43408E-15	3.31387E-15	2.38598E-16
625	570470.55	4178718.99	0.55, 41787	0.17288	0.1553	0.16447	122.16306	52.59309	158.80652	15.27038	6.67803	19.85082	2.45E-11	1.1E-08	2.45E-09	7.55E-15	2.28E-14	1.8E-14	4.13E-16	9.96E-15	5.5E-16	1.09276E-14	2.447E-11	1.0965E-08	2.44566E-09	7.7219E-15	1.66793E-15	3.85425E-15	2.77506E-16
626	570510.55	4178718.99	0.55, 41787	0.1999	0.18201	0.19124	126.87173	56.8638	170.00598	15.85897	8.56143	21.25075	2.86E-11	1.18E-08	2.55E-09	8.83E-15	2.67E-14	2.11E-14	4.82E-16	1.17E-14	6.43E-16	1.27784E-14	2.861E-11	1.1754E-08	2.55097E-09	9.02973E-15	1.95042E-15	4.50703E-15	3.24506E-16
627	570550.55	4178718.99	0.55, 41787	0.2328	0.21534	0.22528	141.7684	62.68438	190.3461	19.27806	10.36338	23.79326	3.38E-11	1.3E-08	3.07E-09	1.04E-14	3.15E-14	2.49E-14	5.7E-16	1.38E-14	7.59E-16	1.50877E-14	3.378E-11	1.3034E-08	3.06546E-09	1.06616E-14	2.30291E-15	5.32155E-15	3.83152E-16
628	570590.55	4178718.99	0.55, 41787	0.2704	0.25529	0.2651	152.6333	65.86327	220.26265	21.80476	11.76563	29.62209	3.99E-11	1.41E-08	3.51E-09	1.23E-14	3.72E-14	2.94E-14	6.73E-16	1.63E-14	8.98E-16	1.78367E-14	3.994E-11	1.4099E-08	3.5144E-09	1.26042E-14	2.7225E-15	6.29114E-15	4.52962E-16
629	570630.55	4178718.99	0.55, 41787	0.31352	0.30328	0.30884	160.25221	70.5161	243.59554	22.89317	12.52474	34.32359	4.72E-11	1.52E-08	3.75E-09	1.46E-14	4.4E-14	3.48E-14	7.96E-16	1.92E-14	1.06E-15	2.10944E-14	4.723E-11	1.5186E-08	3.74591E-09	1.49062E-14	3.21973E-15	7.44015E-15	5.35691E-16
630	570670.55	4178718.99	0.55, 41787	0.36149	0.3594	0.35242	159.13882	79.23774	228.99362	22.73412	14.05012	31.24302	5.56E-11	1.6E-08	3.67E-09	1.72E-14	5.18E-14	4.09E-14	9.37E-16	2.26E-14	1.25E-15	2.48298E-14	5.559E-11	1.5995E-08	3.67043E-09	1.75458E-14	3.7899E-15	8.75767E-15	6.30553E-16
631	570710.55	4178718.99	0.55, 41787	0.41184	0.42167	0.39325	168.39934	82.78202	268.08178	23.84947	15.22445	37.49142	6.47E-11	1.72E-08	3.93E-09	2E-14	6.03E-14	4.76E-14	1.09E-15	2.64E-14	1.45E-15	2.88983E-14	6.47E-11	1.7242E-08	3.93256E-09	2.04207E-14	4.41088E-15	1.01926E-14	7.33871E-16
632	570750.55	4178718.99	0.55, 41787	0.46631	0.48852	0.43046	193.26616	81.97611	266.60906	24.83922	16.78199	33.32613	7.44E-11	1.75E-08	4E-09	2.29E-14	6.93E-14	5.47E-14	1.25E-15	3.03E-14	1.67E-15	3.32171E-14	7.437E-11	1.7463E-08	3.99621E-09	2.34726E-14	5.07008E-15	1.17159E-14	8.43546E-16
633	570790.55	4178718.99	0.55, 41787	0.5297	0.5627	0.45402	208.56721	92.88706	267.98327	26.09236	23.00092	33.50993	8.48E-11	1.9E-08	4.17E-09	2.62E-14	7.9E-14	6.24E-14	1.43E-15	3.46E-14	1.91E-15	3.78899E-14	8.483E-11	1.9049E-08	4.17176E-09	2.67747E-14	5.78333E-15	1.33641E-14	9.62214E-16
634	570830.55	4178718.99	0.55, 41787	0.58417	0.63922	0.49731	206.25232	102.59816	258.13483	28.9378	25.69667	32.26685	9.58E-11	2E-08	4.54E-09	2.96E-14	8.93E-14	7.05E-14	1.62E-15	3.9E-14	2.15E-15	4.27899E-14	9.58E-11	2.0046E-08	4.54148E-09	3.02372E-14	6.53123E-15	1.50923E-14	1.08665E-15
635	570870.55	4178718.99	0.55, 41787	0.63384	0.71183	0.60618	208.40577	136.85909	408.7133	28.70976	24.7437	51.08916	1.07E-10	2.69E-08	4.84E-09	3.31E-14	1E-13	7.9E-14	1.81E-15	4.37E-14	2.41E-15	4.79538E-14	1.074E-10	2.6931E-08	4.83764E-09	3.38862E-14	7.31942E-15	1.69137E-14	1.21779E-15
636	570910.55	4178718.99	0.55, 41787	0.68401	0.75343	0.58123	211.07044	124.31957	366.90455	30.70854	25.49482	45.86307	1.13E-10	2.47E-08	5.02E-09	3.48E-14	1.05E-13	8.3E-14	1.9E-15	4.59E-14	2.54E-15	5.03687E-14	1.128E-10	2.4691E-08	5.0216E-09	3.55927E-14	7.68801E-15	1.77654E-14	1.27911E-15
637	570950.55	4178718.99	0.55, 41787	0.69007	0.76497	0.57081	207.10313	108.18225	376.87466	30.79195	24.65468	47.10933	1.14E-10	2.28E-08	5.05E-09	3.52E-14	1.06E-13	8.4E-14	1.92E-15	4.65E-14	2.57E-15	5.09625E-14	1.141E-10	2.2814E-08	5.05476E-09	3.60123E-14	7.77865E-15	1.79749E-14	1.29419E-15
638	570990.55	4178718.99	0.55, 41787	0.68048	0.74999	0.58632	206.58356	95.47159	294.44278	32.17827	21.60129	36.80535	1.12E-10	1.98E-08	5.07E-09	3.47E-14	1.05E-13	8.27E-14	1.9E-15	4.58E-14	2.53E-15	5.01964E-14	1.124E-10	1.9801E-08	5.06614E-09	3.54709E-14	7.66171E-15	1.77047E-14	1.27473E-15
639	571030.55	4178718.99	0.55, 41787	0.66194	0.72353	0.59736	210.3532	86.11281	328.15995	30.372	18.42489	51.15716	1.09E-10	1.93E-08	5.07E-09	3.37E-14	1.02E-13	8.03E-14	1.84E-15	4.44E-14	2.45E-15	4.8706E-14	1.09E-10	1.9283E-08	5.06744E-09	3.44177E-14	7.43423E-15	1.7179E-14	1.23689E-15
640	571070.55	4178718.99	0.55, 41787	0.64029	0.68839	0.56269	181.70759	76.31707	252.84162	22.73215	15.52213	31.6052	1.04E-10	1.64E-08	3.68E-09	3.2E-14	9.67E-14	7.64E-14	1.75E-15	4.23E-14	2.33E-15	4.63617E-14	1.038E-10	1.6363E-08	3.67646E-09	3.27612E-14	7.07642E-15	1.63522E-14	1.17736E-15
641	571110.55	4178718.99	0.55, 41787	0.60626	0.64543	0.53034	207.95149	70.27092	268.27126	26.16426	14.32632	33.53391	9.75E-11	1.62E-08	4.18E-09	3.01E-14	9.08E-14	7.17E-14	1.64E-15	3.97E-14	2.19E-15	4.35268E-14	9.745E-11	1.625E-08	4.18206E-09	3.07579E-14	6.64371E-15	1.53523E-14	1.10536E-15
642	571150.55	4178718.99	0.55, 41787	0.57256	0.60327	0.52806	200.64391	66.12781	289.68563	25.68735	14.52342	36.23202	9.17E-11	1.6E-08	4.16E-09	2.83E-14	8.55E-14	6.75E-14	1.55E-15	3.74E-14	2.06E-15	4.09718E-14	9.173E-11	1.6008E-08	4.16342E-09	2.89524E-14	6.25373E-15	1.44511E-14	1.04048E-15
643	571190.55	4178718.99	0.55, 41787	0.53842	0.56251	0.50995	154.3512	63.9477	213.38711	22.19645	14.00077	30.48387	8.59E-11	1.38E-08	3.58E-09	2.65E-14	8E-14	6.32E-14	1.45E-15	3.5E-14	1.93E-15	3.83684E-14	8.59E-11	1.3767E-08	3.58327E-09	2.71127E-14	5.85635E-15	1.35328E-14	9.74363E-16
644	571230.55	4178718.99	0.55, 41787	0.49735	0.52247	0.4676	159.72675	60.41971	199.28282	22.34048	12.75874	27.30767	7.96E-11	1.32E-08	3.55E-09	2.46E-14	7.42E-14	5.86E-14	1.34E-15	3.24E-14	1.79E-15	3.55732E-14	7.965E-11	1.316E-08	3.54781E-09	2.51375E-14	5.4297E-15	1.25469E-14	9.03379E-16
645	571270.55	4178718.99	0.55, 41787	0.45612	0.4836	0.42898	144.14128	55.22387	195.55309	20.17616	11.51496	26.9261	7.36E-11	1.22E-08	3.24E-09	2.27E-14	6.86E-14	5.42E-14	1.24E-15	3E-14	1.65E-15	3.28706E-14	7.359E-11	1.2236E-08	3.2435E-09	2.32277E-14	5.01719E-15	1.15937E-14	8.34747E-16
646	571310.55	4178718.99	0.55, 41787	0.42006	0.44717	0.39945	118.44349	52.26024	154.81704	17.97136	10.56882	25.80284	6.81E-11	1.08E-08	2.92E-09	2.1E-14	6.34E-14	5.01E-14	1.15E-15	2.77E-14	1.53E-15	3.04055E-14	6.808E-11	1.0803E-08	2.92071E-09	2.14858E-14	4.64093E-15	1.07243E-14	7.72146E-16
647	571350.55	4178718.99	0.55, 41787	0.38785	0.41385	0.37184	109.17018	50.24459	147.83356	14.07795	10.0186	18.4792	6.3E-11	1.03E-08	2.26E-09	1.94E-14	5.87E-14	4.64E-14	1.06E-15	2.57E-14	1.42E-15	2.8151E-14	6.303E-11	1.0303E-08	2.25779E-09	1.98927E-14	4.29682E-15	9.92906E-15	7.14893E-16
648	571390.55	4178718.99	0.55, 41787	0.35875	0.38356	0.34391	87.70597	48.80309	113.13015	10.96325	9.64341	14.14127	5.84E-11	9.22E-09	1.75E-09	1.8E-14	5.44E-14	4.3E-14	9.85E-16	2.38E-14	1.31E-15	2.60806E-14	5.839E-11	9.2223E-09	1.75392E-09	1.84296E-14	3.9808E-15	9.19883E-15	6.62315E-16
649	571430.55	4178718.99	0.55, 41787	0.33385	0.35563	0.32061	80.9107	47.09106	69.47289	11.59229	8.99084	10.76512	5.42E-11	8.16E-09	1.78E-09	1.67E-14	5.05E-14	3.99E-14	9.14E-16	2.21E-14	1.22E-15	2.42026E-14	5.419E-11	8.1564E-09	1.78169E-09	1.71026E-14	3.69416E-15	8.53645E-15	6.14624E-16
650	571470.55	4178718.99	0.55, 41787	0.31507	0.33052	0.30587	111.40642	45.19171	126.48359	15.57659	8.16367	17.53078	5.06E-11	9.34E-09	2.45E-09	1.56E-14	4.71E-14	3.72E-14	8.53E-16	2.06E-14	1.14E-15	2.25849E-14	5.057E-11	9.3382E-09	2.4474E-09	1.59595E-14	3.44724E-15	7.96587E-15	5.73543E-16
651	571510.55	4178718.99	0.55, 41787	0.29891	0.30701	0.29518	116.70467	43.07153	146.87884	15.95519	7.46065	19.6972	4.72E-11	9.5E-09	2.54E-09	1.46E-14	4.4E-14	3.48E-14	7.97E-16	1.92E-14	1.06E-15	2.11033E-14	4.725E-11	9.5047E-09	2.53717E-09	1.49125E-14	3.2211E-15	7.4433E-15	5.35918E-16
652	571550.55	4178718.99	0.55, 41787	0.28299	0.28542	0.28355	93.20798	40.2806	109.70993	12.81909	6.80365	14.78577	4.42E-11	8.19E-09	2.02E-09	1.36E-14	4.11E-14	3.25E-14	7.45E-16	1.8E-14	9.93E-16	1.97219E-14	4.416E-11	8.1859E-09	2.02038E-09	1.39363E-14	3.01025E-15	6.95607E-15	5.00837E-16
653	571590.55	4178718.99	0.55, 41787	0.2649	0.26495	0.26753	84.18961	37.57199	100.50298	12.02709	5.93847	14.35757	4.11E-11	7.57E-09	1.9E-09	1.27E-14	3.83E-14	3.02E-14	6.93E-16	1.67E-14	9.24E-16	1.83547E-14	4.109E-11	7.5653E-09	1.904E-09	1.29702E-14	2.80157E-15	6.47385E-15	4.66118E-16
654	570310.55	4178758.99	0.55, 41787	0.10291	0.08971	0.0989	86.89901	32.22927	93.76167	10.86238	4.40505	11.72021	1.42E-11	6.83E-09	1.7E-09	4.4E-15	1.33E-14	1.05E-14	2.4E-16	5.8E-15	3.2E-16	6.36157E-15	1.424E-11	6.8253E-09	1.69792E-09	4.49536E-15	9.70998E-16	2.24378E-15	1.61552E-16
655	570350.55	4178758.99	0.55, 41787	0.11544	0.10167	0.11074	97.89636	38.6449	111.66772	12.23704	4.83061	13.95846	1.61E-11	8.08E-09	1.93E-09	4.97E-15	1.5E-14	1.19E-14	2.72E-16	6.56E-15	3.62E-16	7.19184E-15	1.61E-11	8.083E-09	1.92593E-09	5.08206E-15	1.09772E-15	2.53662E-15	1.82636E-16
656	570390.55	4178758.99	0.55, 41787	0.13027	0.11595	0.12485	105.67733	44.34348	129.76492	13.20967	5.54293	16.22061	1.83E-11	9.21E-09	2.1E-09	5.65E-15	1.71E-14	1.35E-14	3.09E-16	7.46E-15	4.12E-16	8.18214E-15	1.832E-11	9.2107E-09	2.09907E-09	5.78185E-15	1.24888E-15	2.8859E-15	2.07785E-16
657	570430.55	4178758.99	0.55, 41787	0.14773	0.133	0.14184	109.21499	48.49986	141.11126	13.65187	6.24447	17.63891	2.1E-11	9.97E-09	2.18E-09	6.47E-15	1.95E-14	1.54E-14	3.54E-16	8.54E-15	4.71E-16	9.36411E-15	2.097E-11	9.9711E-09	2.18456E-09	6.61708E-15	1.42929E-15	3.30279E-15	2.37801E-16
658	570470.55	4178758.99	0.55, 41787	0.16767	0.15301	0.16202	117.79795	52.53636	140.35154	14.72474	7.71399	17.54394	2.41E-11	1.06E-08	2.33E-09	7.43E-15	2.24E-14	1.77E-14	4.06E-16	9.8E-15	5.41E-16	1.07497E-14	2.407E-11	1.0576E-08	2.33047E-09	7.59621E-15	1.64078E-15	3.79151E-15	2.72989E-16
659	570510.55	4178758.99	0.55, 41787	0.191	0.17712	0.1864	128.29828	56.17436	171.94141	17.6792	9.03197	21.49268	2.78E-11	1.17E-08	2.81E-09	8.58E-15	2.59E-14	2.05E-14	4.69E-16	1.13E-14	6.25E-16	1.24154E-14	2.78E-11	1.1722E-08	2.80553E-09	8.77326E-15	1.89503E-15	4.37902E-15	3.15289E-16
660	570550.55	4178758.99	0.55, 41787	0.21672	0.20498	0.21341	137.63049	58.52483	184.29573	19.6615	9.95092	26.17497	3.21E-11	1.24E-08	3.16E-09	9.9E-15	2.99E-14	2.36E-14	5.41E-16	1.31E-14	7.21E-16	1.43235E-14	3.207E-11	1.2357E-08	3.15964E-09	1.01216E-14	2.18626E-15	5.052E-15	3.63744E-16
661	570590.55	4178758.99	0.55, 41787	0.24504	0.23724	0.24166	142.23889	62.68425	205.21483	20.31984	10.25836	28.57469	3.69E-11	1.33E-08	3.29E-09	1.14E-14	3.44E-14	2.72E-14	6.23E-16	1.5E-14	8.31E-16	1.65002E-14	3.694E-11	1.33E-08	3.29195E-09	1.16598E-14	2.51851E-15	5.81977E-15	4.19023E-16
662	570630.55	4178758.99	0.55, 41787	0.27554	0.27375	0.26892	139.19636	70.02218	188.40794	19.61007	11.07526	25.7042	4.24E-11	1.39E-08	3.14E-09	1.31E-14	3.95E-14	3.12E-14	7.14E-16	1.73E-14	9.52E-16	1.89175E-14	4.236E-11	1.3872E-08	3.14438E-09	1.33679E-14	2.88748E-15	6.67237E-15	4.8041E-16
663	570670.55	4178758.99	0.55, 41787	0.30614	0.31293	0.29402	149.31547	72.47289	221.2081	21.10931	12.07881	31.37185	4.81E-11	1.49E-08	3.45E-09	1.48E-14	4.48E-14	3.54E-14	8.1E-16	1.96E-14	1.08E-15	2.14661E-14	4.806E-11	1.4887E-08	3.4492E-09	1.51689E-14	3.27647E-15	7.57126E-15	5.45131E-16
664	570710.55	4178758.99	0.55, 41787	0.33494	0.35231	0.31792	164.794	71.08708	213.69891	21.55176	13.08376	26.71236	5.37E-11	1.48E-08	3.43E-09	1.66E-14	5.01E-14	3.96E-14	9.06E-16	2.19E-14	1.21E-15	2.40052E-14	5.375E-11	1.48E-08	3.42897E-09	1.69631E-14	3.66402E-15	8.46681E-15	6.0961E-16
665	570750.55	4178758.99	0.55, 41787	0.36674	0.3924	0.33661	179.38877	78.60477	216.64393	22.4236	16.36841	27.08049	5.95E-11	1.6E-08	3.56E-09	1.84E-14	5.54E-14	4.38E-14	1E-15	2.42E-14	1.34E-15	2.65616E-14	5.947E-11	1.5984E-08	3.55529E-09	1.87696E-14	4.05422E-15	9.36849E-15	6.74531E-16
666	570790.55	4178758.99	0.55, 41787	0.40357	0.43625	0.34677	166.36606	82.34558	242.62848	21.7564	19.87746	30.35713	6.56E-11	1.67E-08	3.52E-09	2.02E-14	6.11E-14	4.83E-14	1.11E-15	2.67E-14	1.47E-15	2.92906E-14	6.558E-11	1.6717E-08	3.52054E-09	2.0698E-14	4.47077E-15	1.0331E-14	7.43834E-16
667	570830.55	4178758.99	0.55, 41787	0.43354	0.48203	0.39259	188.6599	98.62945	246.30784	24.95504	19.43466	30.78848	7.25E-11	1.91E-08	3.97E-09	2.24E-14	6.75E-14	5.33E-14	1.22E-15	2.95E-14	1.63E-15	3.23607E-14	7.245E-11	1.9104E-08	3.96798E-09	2.28674E-14	4.93937E-15	1.14139E-14	8.21798E-16
668	570870.55	4178758.99	0.55, 41787	0.46387	0.52331	0.45582	172.12292	120.25167	329.63715	21.51536	18.67269	41.20464	7.91E-11	2.3E-08	3.68E-09	2.44E-14	7.37E-14	5.82E-14	1.33E-15	3.22E-14	1.78E-15	3.53198E-14	7.908E-11	2.2997E-08	3.67614E-09	2.49585E-14	5.39104E-15	1.24576E-14	8.96946E-16
669	570910.55	4178758.99	0.55, 41787	0.49085	0.54778	0.42691	176.15826	108.72169	296.15879	23.43896	19.655	37.01985	8.2E-11	2.1E-08	3.87E-09	2.53E-14	7.64E-14	6.03E-14	1.38E-15	3.34E-14	1.84E-15	3.66139E-14	8.198E-11	2.1045E-08	3.86789E-09	2.5873E-14	5.58856E-15	1.2914E-14	9.2981E-16
670	570950.55	4178758.99	0.55, 41787	0.48762	0.55475	0.41816	180.46301	97.04885	324.78811	24.36206	20.46933	40.59851	8.26E-11	2.02E-08	4.06E-09	2.55E-14	7.7E-14	6.08E-14	1.39E-15	3.37E-14	1.86E-15	3.69107E-14	8.264E-11	2.016E-08	4.05712E-09	2.60827E-14	5.63386E-15	1.30187E-14	9.37346E-16
671	570990.55	4178758.99	0.55, 41787	0.49051	0.55159	0.43765	151.23194	87.28492	222.11928	25.20532	17.38113	28.62893	8.26E-11	1.68E-08	3.96E-09	2.55E-14	7.7E-14	6.08E-14	1.39E-15	3.37E-14	1.86E-15	3.69057E-14	8.263E-11	1.676E-08	3.96482E-09	2.60791E-14	5.63309E-15	1.30169E-14	9.37218E-16
672	571030.55	4178758.99	0.55, 41787	0.48428	0.53663	0.45626	187.58168	78.86438	272.43541	28.06386	15.68835	45.4059	8.1E-11	1.71E-08	4.65E-09	2.5E-14	7.55E-14	5.96E-14	1.37E-15	3.3E-14	1.82E-15	3.61856E-14	8.102E-11	1.7101E-08	4.64991E-09	2.55703E-14	5.52318E-15	1.27629E-14	9.18932E-16
673	571070.55	4178758.99	0.55, 41787	0.467	0.51625	0.43604	163.79974	72.83551	258.94072	22.54296	13.46245	32.36759	7.79E-11	1.58E-08	3.66E-09	2.4E-14	7.26E-14	5.73E-14	1.31E-15	3.17E-14	1.75E-15	3.47958E-14	7.791E-11	1.579E-08	3.66371E-09	2.45882E-14	5.31104E-15	1.22727E-14	8.83637E-16
674	571110.55	4178758.99	0.55, 41787	0.44755	0.4933	0.39624	157.0432	65.36033	149.25903	19.63651	11.35189	22.10234	7.41E-11	1.29E-08	3.09E-09	2.29E-14	6.9E-14	5.45E-14	1.25E-15	3.02E-14	1.67E-15	3.30984E-14	7.41E-11	1.2863E-08	3.08534E-09	2.33887E-14	5.05197E-15	1.16741E-14	8.40533E-16
675	571150.55	4178758.99	0.55, 41787	0.4302	0.46818	0.38775	183.98767	62.14189	232.46693	23.05685	11.54043	29.05837	7.06E-11	1.43E-08	3.68E-09	2.18E-14	6.58E-14	5.2E-14	1.19E-15	2.88E-14	1.59E-15	3.15376E-14	7.061E-11	1.4288E-08	3.6768E-09	2.22858E-14	4.81374E-15	1.11236E-14	8.00896E-16
676	571190.55	4178758.99	0.55, 41787	0.41561	0.44245	0.39452	166.33485	59.4631	232.20811	21.02615	11.70076	29.03347	6.73E-11	1.37E-08	3.4E-09	2.08E-14	6.27E-14	4.96E-14	1.14E-15	2.74E-14	1.51E-15	3.00789E-14	6.734E-11	1.3707E-08	3.39707E-09	2.1255E-14	4.59109E-15	1.06091E-14	7.63853E-16
677	571230.55	4178758.99	0.55, 41787	0.39577	0.41616	0.38297	133.04594	57.55284	174.38403	19.00656	11.25795	24.912	6.36E-11	1.2E-08	3.05E-09	1.96E-14	5.93E-14	4.68E-14	1.07E-15	2.59E-14	1.43E-15	2.84142E-14	6.362E-11	1.2001E-08	3.04759E-09	2.00787E-14	4.337E-15	1.00219E-14	7.21579E-16
678	571270.55	4178758.99	0.55, 41787	0.36933	0.38979	0.3568	133.93343	52.76944	163.09994	18.49966	10.32502	20.38749	5.95E-11	1.12E-08	2.9E-09	1.84E-14	5.55E-14	4.38E-14	1E-15	2.42E-14	1.34E-15	2.65905E-14	5.953E-11	1.1226E-08	2.89914E-09	1.879E-14	4.05864E-15	9.37868E-15	6.75265E-16
679	571310.55	4178758.99	0.55, 41787	0.3411	0.36413	0.32902	131.1619	50.25063	168.23883	18.11843	9.56125	22.87944	5.55E-11	1.1E-08	2.89E-09	1.71E-14	5.17E-14	4.08E-14	9.36E-16	2.26E-14	1.25E-15	2.47823E-14	5.549E-11	1.0965E-08	2.89007E-09	1.75123E-14	3.78265E-15	8.74093E-15	6.29347E-16
680	571350.55	4178758.99	0.55, 41787	0.31543	0.34037	0.30452	103.20737	47.94128	136.71003	14.62528	9.08266	18.8743	5.18E-11	9.74E-09	2.34E-09	1.6E-14	4.82E-14	3.81E-14	8.73E-16	2.11E-14	1.16E-15	2.31205E-14	5.177E-11	9.7419E-09	2.33994E-09	1.63379E-14	3.52899E-15	8.15478E-15	5.87144E-16
681	571390.55	4178758.99	0.55, 41787	0.29206	0.31801	0.28181	95.20975	46.26011	128.00267	11.90122	8.7596	16.00033	4.83E-11	9.27E-09	1.92E-09	1.49E-14	4.5E-14	3.55E-14	8.14E-16	1.97E-14	1.09E-15	2.15641E-14	4.828E-11	9.2712E-09	1.91527E-09	1.52381E-14	3.29144E-15	7.60584E-15	5.47621E-16
682	571430.55	4178758.99	0.55, 41787	0.27184	0.29676	0.26169	65.82255	44.97926	77.28464	8.48847	8.42183	11.06277	4.5E-11	7.82E-09	1.36E-09	1.39E-14	4.19E-14	3.31E-14	7.59E-16	1.83E-14	1.01E-15	2.01088E-14	4.502E-11	7.8213E-09	1.35998E-09	1.42097E-14	3.0693E-15	7.09253E-15	5.10662E-16
683	571470.55	4178758.99	0.55, 41787	0.25781	0.27877	0.24855	74.19853	43.62462	66.74746	10.92817	7.8818	10.16339	4.24E-11	7.59E-09	1.68E-09	1.31E-14	3.95E-14	3.12E-14	7.15E-16	1.73E-14	9.53E-16	1.89262E-14	4.237E-11	7.587E-09	1.67988E-09	1.3374E-14	2.88879E-15	6.67541E-15	4.80629E-16
684	571510.55	4178758.99	0.55, 41787	0.24715	0.26193	0.24035	102.14842	42.0514	116.58455	14.2101	7.23025	16.16505	4E-11	8.65E-09	2.24E-09	1.23E-14	3.73E-14	2.94E-14	6.74E-16	1.63E-14	8.99E-16	1.78664E-14	4E-11	8.6488E-09	2.2357E-09	1.26251E-14	2.72703E-15	6.30161E-15	4.53716E-16
685	571550.55	4178758.99	0.55, 41787	0.23772	0.24585	0.23427	104.82233	40.15762	128.89855	14.31586	6.66643	17.41071	3.78E-11	8.67E-09	2.27E-09	1.17E-14	3.52E-14	2.78E-14	6.37E-16	1.54E-14	8.49E-16	1.68727E-14	3.778E-11	8.6662E-09	2.27192E-09	1.1923E-14	2.57536E-15	5.95113E-15	4.28481E-16
686	571590.55	4178758.99	0.55, 41787	0.22808	0.23097	0.22747	83.60184	37.747	96.99907	11.46846	6.12919	13.15855	3.57E-11	7.52E-09	1.81E-09	1.1E-14	3.32E-14	2.63E-14	6.02E-16	1.45E-14	8.02E-16	1.59383E-14	3.568E-11	7.5178E-09	1.8063E-09	1.12627E-14	2.43274E-15	5.62158E-15	4.04754E-16
687	570310.55	4178798.99	0.55, 41787	0.10253	0.09048	0.09887	92.22772	37.68456	108.42661	11.52846	4.71057	13.55333	1.43E-11	7.83E-09	1.82E-09	4.42E-15	1.34E-14	1.05E-14	2.42E-16	5.84E-15	3.22E-16	6.40149E-15	1.433E-11	7.829E-09	1.82143E-09	4.52357E-15	9.77091E-16	2.25786E-15	1.62566E-16
688	570350.55	4178798.99	0.55, 41787	0.11434	0.10195	0.11024	96.42289	41.82094	119.06345	12.05286	5.22762	14.88293	1.61E-11	8.58E-09	1.92E-09	4.97E-15	1.5E-14	1.19E-14	2.72E-16	6.56E-15	3.62E-16	7.19657E-15	1.611E-11	8.5838E-09	1.91669E-09	5.0854E-15	1.09845E-15	2.53829E-15	1.82757E-16
689	570390.55	4178798.99	0.55, 41787	0.12785	0.11532	0.12365	96.70849	44.28794	121.57528	12.08856	5.83168	15.19691	1.82E-11	8.94E-09	1.93E-09	5.61E-15	1.69E-14	1.34E-14	3.07E-16	7.41E-15	4.09E-16	8.12298E-15	1.819E-11	8.9364E-09	1.92706E-09	5.74004E-15	1.23985E-15	2.86504E-15	2.06283E-16
690	570430.55	4178798.99	0.55, 41787	0.14288	0.13064	0.13911	109.4746	48.39009	132.26529	13.83026	6.97525	16.53316	2.06E-11	9.81E-09	2.19E-09	6.34E-15	1.92E-14	1.51E-14	3.47E-16	8.37E-15	4.62E-16	9.18243E-15	2.056E-11	9.8072E-09	2.18986E-09	6.4887E-15	1.40156E-15	3.23872E-15	2.33188E-16
691	570470.55	4178798.99	0.55, 41787	0.15993	0.14857	0.15692	116.3647	50.80214	153.38363	16.31235	7.92735	19.17295	2.33E-11	1.06E-08	2.58E-09	7.2E-15	2.17E-14	1.72E-14	3.93E-16	9.5E-15	5.24E-16	1.04168E-14	2.332E-11	1.0569E-08	2.57717E-09	7.36097E-15	1.58997E-15	3.67409E-15	2.64535E-16
692	570510.55	4178798.99	0.55, 41787	0.17816	0.16871	0.17591	124.77861	52.11481	162.22151	17.82552	8.49382	23.1745	2.64E-11	1.1E-08	2.85E-09	8.15E-15	2.46E-14	1.94E-14	4.45E-16	1.08E-14	5.93E-16	1.17897E-14	2.64E-11	1.1002E-08	2.85492E-09	8.33112E-15	1.79952E-15	4.15833E-15	2.994E-16
693	570550.55	4178798.99	0.55, 41787	0.19752	0.19131	0.19507	126.89522	56.18657	175.78093	18.12789	8.51005	24.21863	2.98E-11	1.18E-08	2.91E-09	9.19E-15	2.78E-14	2.19E-14	5.02E-16	1.21E-14	6.7E-16	1.33068E-14	2.979E-11	1.1771E-08	2.91467E-09	9.40315E-15	2.03108E-15	4.69341E-15	3.37926E-16
694	570590.55	4178798.99	0.55, 41787	0.21773	0.21627	0.21308	122.68072	62.5324	158.46837	17.14296	9.80776	21.67538	3.35E-11	1.22E-08	2.73E-09	1.03E-14	3.12E-14	2.46E-14	5.64E-16	1.36E-14	7.53E-16	1.49505E-14	3.347E-11	1.2195E-08	2.73496E-09	1.05647E-14	2.28197E-15	5.27317E-15	3.79668E-16
695	570630.55	4178798.99	0.55, 41787	0.23771	0.24268	0.22932	133.9153	64.36556	188.20796	18.95021	10.72759	26.70167	3.73E-11	1.31E-08	3.07E-09	1.15E-14	3.48E-14	2.75E-14	6.29E-16	1.52E-14	8.39E-16	1.66591E-14	3.73E-11	1.3096E-08	3.07098E-09	1.1772E-14	2.54276E-15	5.87581E-15	4.23058E-16
696	570670.55	4178798.99	0.55, 41787	0.25595	0.26895	0.24514	141.94782	63.09907	181.20008	19.13844	10.57117	23.96944	4.11E-11	1.29E-08	3.05E-09	1.27E-14	3.83E-14	3.02E-14	6.93E-16	1.67E-14	9.23E-16	1.83459E-14	4.108E-11	1.2946E-08	3.04933E-09	1.2964E-14	2.80022E-15	6.47075E-15	4.65894E-16
697	570710.55	4178798.99	0.55, 41787	0.27273	0.29382	0.2595	157.12572	66.69563	192.86918	19.64072	11.93189	24.10865	4.46E-11	1.38E-08	3.12E-09	1.38E-14	4.16E-14	3.28E-14	7.53E-16	1.82E-14	1E-15	1.9935E-14	4.463E-11	1.3788E-08	3.12083E-09	1.40869E-14	3.04277E-15	7.03122E-15	5.06248E-16
698	570750.55	4178798.99	0.55, 41787	0.29355	0.31916	0.26739	152.65771	72.44297	180.42039	19.08221	15.18472	22.55534	4.82E-11	1.42E-08	3.02E-09	1.49E-14	4.49E-14	3.55E-14	8.13E-16	1.96E-14	1.08E-15	2.15248E-14	4.819E-11	1.422E-08	3.01699E-09	1.52104E-14	3.28544E-15	7.59198E-15	5.46622E-16
699	570790.55	4178798.99	0.55, 41787	0.31688	0.34759	0.27611	157.73005	72.26845	195.86787	20.13646	16.34526	24.48348	5.22E-11	1.45E-08	3.2E-09	1.61E-14	4.86E-14	3.84E-14	8.8E-16	2.13E-14	1.17E-15	2.33073E-14	5.218E-11	1.4537E-08	3.19553E-09	1.647E-14	3.55751E-15	8.22068E-15	5.91889E-16
700	570830.55	4178798.99	0.55, 41787	0.33524	0.37796	0.31984	162.23746	94.66133	234.71664	21.09567	14.73083	29.33958	5.7E-11	1.8E-08	3.41E-09	1.76E-14	5.31E-14	4.19E-14	9.6E-16	2.32E-14	1.28E-15	2.54381E-14	5.695E-11	1.8044E-08	3.41196E-09	1.79757E-14	3.88275E-15	8.97224E-15	6.46001E-16
701	570870.55	4178798.99	0.55, 41787	0.35595	0.40358	0.35265	158.80625	107.46352	263.60655	19.85078	16.70272	32.95082	6.1E-11	2.01E-08	3.3E-09	1.88E-14	5.68E-14	4.49E-14	1.03E-15	2.48E-14	1.37E-15	2.72364E-14	6.098E-11	2.0082E-08	3.30358E-09	1.92464E-14	4.15723E-15	9.60651E-15	6.91669E-16
702	570910.55	4178798.99	0.55, 41787	0.3676	0.41723	0.32417	150.41188	96.98395	247.06251	18.80149	15.72408	30.88281	6.23E-11	1.84E-08	3.12E-09	1.92E-14	5.81E-14	4.59E-14	1.05E-15	2.54E-14	1.4E-15	2.78412E-14	6.233E-11	1.8382E-08	3.12328E-09	1.96738E-14	4.24953E-15	9.81981E-15	7.07026E-16
703	570950.55	4178798.99	0.55, 41787	0.34637	0.40141	0.30552	159.46188	87.41269	275.63404	19.93273	16.48069	34.45425	5.98E-11	1.78E-08	3.34E-09	1.84E-14	5.57E-14	4.4E-14	1.01E-15	2.43E-14	1.34E-15	2.66908E-14	5.976E-11	1.7822E-08	3.34101E-09	1.88608E-14	4.07394E-15	9.41405E-15	6.77812E-16
704	570990.55	4178798.99	0.55, 41787	0.35579	0.40756	0.32647	119.48057	79.68844	146.33228	17.5796	14.60553	25.33485	6.1E-11	1.41E-08	2.86E-09	1.88E-14	5.68E-14	4.49E-14	1.03E-15	2.49E-14	1.37E-15	2.72517E-14	6.101E-11	1.406E-08	2.85869E-09	1.92572E-14	4.15956E-15	9.6119E-15	6.92057E-16
705	571030.55	4178798.99	0.55, 41787	0.37225	0.416	0.35619	155.14917	72.93395	196.55996	24.86673	12.948	30.87431	6.28E-11	1.46E-08	3.96E-09	1.94E-14	5.85E-14	4.62E-14	1.06E-15	2.56E-14	1.41E-15	2.8051E-14	6.28E-11	1.4596E-08	3.95733E-09	1.98221E-14	4.28157E-15	9.89382E-15	7.12355E-16
706	571070.55	4178798.99	0.55, 41787	0.3594	0.40135	0.34666	158.59146	67.81733	220.83512	22.65592	11.74555	33.70367	6.06E-11	1.44E-08	3.7E-09	1.87E-14	5.65E-14	4.46E-14	1.02E-15	2.47E-14	1.36E-15	2.70882E-14	6.065E-11	1.4434E-08	3.70249E-09	1.91417E-14	4.13461E-15	9.55423E-15	6.87905E-16
707	571110.55	4178798.99	0.55, 41787	0.34191	0.38638	0.31575	133.9595	62.41991	198.12185	16.74494	10.40332	24.76523	5.8E-11	1.3E-08	2.73E-09	1.79E-14	5.41E-14	4.27E-14	9.78E-16	2.36E-14	1.3E-15	2.59127E-14	5.802E-11	1.3028E-08	2.73398E-09	1.8311E-14	3.95518E-15	9.13962E-15	6.58053E-16
708	571150.55	4178798.99	0.55, 41787	0.32926	0.37153	0.29721	140.52662	58.47073	122.49716	17.56829	9.74512	16.40698	5.57E-11	1.13E-08	2.7E-09	1.72E-14	5.19E-14	4.1E-14	9.39E-16	2.27E-14	1.25E-15	2.48701E-14	5.568E-11	1.1316E-08	2.70178E-09	1.75743E-14	3.79604E-15	8.77187E-15	6.31575E-16
709	571190.55	4178798.99	0.55, 41787	0.32393	0.35615	0.30055	162.80337	55.99612	201.90064	20.37225	9.46414	25.23758	5.38E-11	1.27E-08	3.24E-09	1.66E-14	5.01E-14	3.96E-14	9.07E-16	2.19E-14	1.21E-15	2.40137E-14	5.377E-11	1.2702E-08	3.24109E-09	1.69691E-14	3.66533E-15	8.46983E-15	6.09828E-16
710	571230.55	4178798.99	0.55, 41787	0.31732	0.33876	0.30501	141.0743	54.42569	191.70239	17.72831	9.52966	23.96639	5.16E-11	1.2E-08	2.86E-09	1.59E-14	4.81E-14	3.8E-14	8.7E-16	2.1E-14	1.16E-15	2.30471E-14	5.16E-11	1.2027E-08	2.85533E-09	1.62861E-14	3.5178E-15	8.12891E-15	5.85282E-16
711	571270.55	4178798.99	0.55, 41787	0.30415	0.32027	0.29829	116.54381	51.24633	144.90939	16.64912	9.13765	20.70134	4.9E-11	1.05E-08	2.65E-09	1.51E-14	4.57E-14	3.61E-14	8.26E-16	2E-14	1.1E-15	2.18922E-14	4.901E-11	1.0479E-08	2.65009E-09	1.54699E-14	3.34151E-15	7.72154E-15	5.55951E-16
712	571310.55	4178798.99	0.55, 41787	0.28608	0.30211	0.28212	111.77517	48.08718	136.31939	15.28029	8.60329	17.73191	4.62E-11	9.87E-09	2.41E-09	1.43E-14	4.31E-14	3.4E-14	7.8E-16	1.88E-14	1.04E-15	2.06515E-14	4.624E-11	9.8724E-09	2.41015E-09	1.45932E-14	3.15214E-15	7.28394E-15	5.24444E-16
713	571350.55	4178798.99	0.55, 41787	0.26522	0.28423	0.2608	116.94553	46.1941	139.01017	15.97517	8.23917	19.97796	4.34E-11	9.76E-09	2.54E-09	1.34E-14	4.04E-14	3.19E-14	7.31E-16	1.77E-14	9.75E-16	1.93689E-14	4.337E-11	9.7572E-09	2.5448E-09	1.36869E-14	2.95637E-15	6.83156E-15	4.91873E-16
714	571390.55	4178798.99	0.55, 41787	0.24309	0.26586	0.23735	101.62822	44.37475	130.479	13.96186	7.97488	17.70328	4.04E-11	9.17E-09	2.23E-09	1.25E-14	3.76E-14	2.97E-14	6.81E-16	1.64E-14	9.08E-16	1.80348E-14	4.038E-11	9.1709E-09	2.22832E-09	1.27442E-14	2.75274E-15	6.36102E-15	4.57993E-16
715	571430.55	4178798.99	0.55, 41787	0.22645	0.25105	0.21957	78.66707	42.96369	101.00422	10.22882	7.75525	13.14754	3.8E-11	8.16E-09	1.64E-09	1.17E-14	3.54E-14	2.8E-14	6.41E-16	1.55E-14	8.55E-16	1.69755E-14	3.801E-11	8.1636E-09	1.63562E-09	1.19956E-14	2.59105E-15	5.98738E-15	4.31092E-16
716	571470.55	4178798.99	0.55, 41787	0.21325	0.23694	0.20607	47.64153	41.84289	57.10773	7.70461	7.45296	10.06314	3.58E-11	6.83E-09	1.23E-09	1.11E-14	3.34E-14	2.64E-14	6.04E-16	1.46E-14	8.06E-16	1.60094E-14	3.584E-11	6.8294E-09	1.23477E-09	1.13129E-14	2.4436E-15	5.64665E-15	4.06559E-16
717	571510.55	4178798.99	0.55, 41787	0.20623	0.22585	0.19985	71.44774	40.73398	67.79843	10.29216	7.00806	9.90291	3.43E-11	7.21E-09	1.59E-09	1.06E-14	3.19E-14	2.52E-14	5.78E-16	1.4E-14	7.7E-16	1.53051E-14	3.427E-11	7.2097E-09	1.58787E-09	1.08153E-14	2.3361E-15	5.39824E-15	3.88674E-16
718	571550.55	4178798.99	0.55, 41787	0.19818	0.21228	0.19356	94.10249	39.35835	107.36049	13.01678	6.4744	14.79864	3.24E-11	8.04E-09	2.05E-09	9.99E-15	3.02E-14	2.38E-14	5.46E-16	1.32E-14	7.28E-16	1.4457E-14	3.237E-11	8.0434E-09	2.04779E-09	1.02159E-14	2.20664E-15	5.09909E-15	3.67134E-16
719	571590.55	4178798.99	0.55, 41787	0.19254	0.20073	0.18997	94.76849	37.66806	114.23818	12.95063	6.01952	15.50303	3.08E-11	7.96E-09	2.05E-09	9.5E-15	2.87E-14	2.27E-14	5.19E-16	1.25E-14	6.92E-16	1.37563E-14	3.08E-11	7.9634E-09	2.05095E-09	9.72079E-15	2.09969E-15	4.85196E-15	3.49341E-16
720	570310.55	4178838.99	0.55, 41788	0.10118	0.0904	0.098	86.93136	38.98232	105.93151	10.86642	4.87279	13.24144	1.43E-11	7.87E-09	1.72E-09	4.41E-15	1.33E-14	1.05E-14	2.41E-16	5.82E-15	3.21E-16	6.38192E-15	1.429E-11	7.8723E-09	1.72494E-09	4.50974E-15	9.74103E-16	2.25095E-15	1.62069E-16
721	570350.55	4178838.99	0.55, 41788	0.1118	0.10104	0.10874	92.10266	41.60712	103.12867	11.51283	5.43734	12.89108	1.59E-11	8.22E-09	1.81E-09	4.92E-15	1.49E-14	1.17E-14	2.69E-16	6.49E-15	3.58E-16	7.11888E-15	1.594E-11	8.2199E-09	1.80775E-09	5.0305E-15	1.08659E-15	2.51088E-15	1.80784E-16
722	570390.55	4178838.99	0.55, 41788	0.12335	0.11299	0.12071	101.58992	44.39945	123.8041	13.097	6.32134	15.47551	1.78E-11	9.06E-09	2.07E-09	5.49E-15	1.66E-14	1.31E-14	3E-16	7.24E-15	4E-16	7.94351E-15	1.778E-11	9.0569E-09	2.0706E-09	5.61322E-15	1.21246E-15	2.80174E-15	2.01725E-16
723	570430.55	4178838.99	0.55, 41788	0.13612	0.12663	0.1341	105.75261	46.22171	135.82058	15.10752	6.99394	17.72822	1.99E-11	9.55E-09	2.39E-09	6.14E-15	1.85E-14	1.46E-14	3.35E-16	8.1E-15	4.47E-16	8.88006E-15	1.988E-11	9.5493E-09	2.38632E-09	6.27503E-15	1.35541E-15	3.13207E-15	2.25509E-16
724	570470.55	4178838.99	0.55, 41788	0.14941	0.1416	0.14777	113.55911	47.52324	144.14907	16.22273	7.30549	20.59272	2.22E-11	9.96E-09	2.59E-09	6.84E-15	2.06E-14	1.63E-14	3.74E-16	9.02E-15	4.98E-16	9.89546E-15	2.216E-11	9.9637E-09	2.58955E-09	6.99256E-15	1.51039E-15	3.49021E-15	2.51295E-16
725	570510.55	4178838.99	0.55, 41788	0.16314	0.158	0.16129	114.44641	50.69094	152.51274	16.21485	7.16417	20.85712	2.46E-11	1.05E-08	2.59E-09	7.59E-15	2.29E-14	1.81E-14	4.15E-16	1E-14	5.53E-16	1.09914E-14	2.461E-11	1.0513E-08	2.59307E-09	7.76698E-15	1.67767E-15	3.87675E-15	2.79126E-16
726	570550.55	4178838.99	0.55, 41788	0.17704	0.17576	0.1737	109.2842	56.30775	135.99936	15.45924	8.75778	18.63755	2.72E-11	1.08E-08	2.45E-09	8.4E-15	2.54E-14	2E-14	4.59E-16	1.11E-14	6.12E-16	1.21548E-14	2.721E-11	1.0848E-08	2.45052E-09	8.58912E-15	1.85525E-15	4.28711E-15	3.08672E-16
727	570590.55	4178838.99	0.55, 41788	0.1907	0.19445	0.18485	121.04262	57.73789	162.59872	17.123	9.62298	23.05827	2.99E-11	1.17E-08	2.76E-09	9.23E-15	2.79E-14	2.2E-14	5.04E-16	1.22E-14	6.72E-16	1.33583E-14	2.991E-11	1.1652E-08	2.75627E-09	9.43957E-15	2.03895E-15	4.71159E-15	3.39235E-16
728	570630.55	4178838.99	0.55, 41788	0.20316	0.21304	0.19546	125.84874	56.85617	163.76967	17.26057	9.47603	21.8341	3.26E-11	1.16E-08	2.75E-09	1E-14	3.03E-14	2.4E-14	5.49E-16	1.33E-14	7.32E-16	1.45447E-14	3.256E-11	1.163E-08	2.75389E-09	1.02779E-14	2.22002E-15	5.13002E-15	3.69361E-16
729	570670.55	4178838.99	0.55, 41788	0.21386	0.23043	0.20601	138.80556	56.19819	167.35734	17.35069	9.51337	20.91967	3.5E-11	1.18E-08	2.75E-09	1.08E-14	3.27E-14	2.58E-14	5.91E-16	1.43E-14	7.88E-16	1.56533E-14	3.505E-11	1.1791E-08	2.75038E-09	1.10613E-14	2.38924E-15	5.52105E-15	3.97516E-16
730	570710.55	4178838.99	0.55, 41788	0.22462	0.24643	0.21368	139.69865	64.11019	158.44625	17.46233	11.64998	19.80578	3.73E-11	1.26E-08	2.75E-09	1.15E-14	3.48E-14	2.75E-14	6.29E-16	1.52E-14	8.39E-16	1.66632E-14	3.731E-11	1.2627E-08	2.74635E-09	1.1775E-14	2.54339E-15	5.87725E-15	4.23162E-16
731	570750.55	4178838.99	0.55, 41788	0.23931	0.26333	0.21642	129.30344	65.03758	176.13066	16.25667	13.35444	22.02002	3.96E-11	1.29E-08	2.62E-09	1.22E-14	3.69E-14	2.92E-14	6.69E-16	1.61E-14	8.91E-16	1.7709E-14	3.965E-11	1.2904E-08	2.61905E-09	1.25139E-14	2.703E-15	6.24609E-15	4.49718E-16
732	570790.55	4178838.99	0.55, 41788	0.2546	0.28325	0.22784	148.04332	66.52984	161.44916	18.88746	13.10425	20.18115	4.25E-11	1.31E-08	2.95E-09	1.31E-14	3.96E-14	3.13E-14	7.17E-16	1.73E-14	9.56E-16	1.89926E-14	4.252E-11	1.3094E-08	2.94889E-09	1.3421E-14	2.89893E-15	6.69884E-15	4.82317E-16
733	570830.55	4178838.99	0.55, 41788	0.26766	0.30497	0.26524	136.3658	90.38201	203.70222	17.19519	14.05196	26.51864	4.6E-11	1.66E-08	2.83E-09	1.42E-14	4.29E-14	3.39E-14	7.76E-16	1.88E-14	1.04E-15	2.05637E-14	4.604E-11	1.6616E-08	2.82641E-09	1.45312E-14	3.13873E-15	7.25297E-15	5.22214E-16
734	570870.55	4178838.99	0.55, 41788	0.28248	0.32215	0.27934	145.76117	97.26265	213.43334	18.22015	15.13016	26.67917	4.86E-11	1.78E-08	2.97E-09	1.5E-14	4.53E-14	3.58E-14	8.2E-16	1.98E-14	1.09E-15	2.1714E-14	4.862E-11	1.7766E-08	2.97018E-09	1.5344E-14	3.31431E-15	7.65868E-15	5.51425E-16
735	570910.55	4178838.99	0.55, 41788	0.28799	0.33135	0.25629	130.6935	87.1686	210.24612	16.33669	13.50967	26.28077	4.94E-11	1.63E-08	2.7E-09	1.53E-14	4.61E-14	3.64E-14	8.33E-16	2.01E-14	1.11E-15	2.2077E-14	4.943E-11	1.6253E-08	2.7042E-09	1.56006E-14	3.36972E-15	7.78674E-15	5.60645E-16
736	570950.55	4178838.99	0.55, 41788	0.28758	0.33724	0.25781	143.26415	81.64199	232.33178	17.90802	13.93242	29.04147	5.02E-11	1.61E-08	2.97E-09	1.55E-14	4.68E-14	3.69E-14	8.46E-16	2.04E-14	1.13E-15	2.24115E-14	5.018E-11	1.6129E-08	2.96835E-09	1.58369E-14	3.42077E-15	7.90471E-15	5.69139E-16
737	570990.55	4178838.99	0.55, 41788	0.28844	0.33412	0.27084	115.42228	74.82901	134.90402	15.11344	13.01217	21.06919	5E-11	1.32E-08	2.45E-09	1.54E-14	4.66E-14	3.68E-14	8.44E-16	2.04E-14	1.12E-15	2.23458E-14	5.003E-11	1.3204E-08	2.44527E-09	1.57905E-14	3.41075E-15	7.88155E-15	5.67472E-16
738	571030.55	4178838.99	0.55, 41788	0.29049	0.32848	0.28015	122.60648	67.85889	167.69329	20.43441	11.21527	20.96166	4.95E-11	1.3E-08	3.18E-09	1.53E-14	4.61E-14	3.64E-14	8.35E-16	2.02E-14	1.11E-15	2.21195E-14	4.952E-11	1.3013E-08	3.17523E-09	1.56306E-14	3.37621E-15	7.80174E-15	5.61725E-16
739	571070.55	4178838.99	0.55, 41788	0.28682	0.32211	0.27916	145.80556	62.69899	194.95005	22.09774	10.44682	32.49167	4.87E-11	1.32E-08	3.6E-09	1.5E-14	4.53E-14	3.58E-14	8.21E-16	1.98E-14	1.09E-15	2.17373E-14	4.867E-11	1.3173E-08	3.60463E-09	1.53605E-14	3.31787E-15	7.66693E-15	5.52019E-16
740	571110.55	4178838.99	0.55, 41788	0.272	0.3104	0.2597	131.09883	59.8466	180.45962	17.36249	9.97443	23.15348	4.67E-11	1.24E-08	2.79E-09	1.44E-14	4.35E-14	3.44E-14	7.87E-16	1.9E-14	1.05E-15	2.08474E-14	4.668E-11	1.2363E-08	2.79087E-09	1.47317E-14	3.18204E-15	7.35305E-15	5.29419E-16
741	571150.55	4178838.99	0.55, 41788	0.26	0.30055	0.24148	99.99815	55.57889	134.60776	12.49977	9.26315	16.82597	4.5E-11	1.06E-08	2.01E-09	1.39E-14	4.19E-14	3.31E-14	7.58E-16	1.83E-14	1.01E-15	2.00874E-14	4.497E-11	1.0605E-08	2.01196E-09	1.41946E-14	3.06603E-15	7.08497E-15	5.10118E-16
742	571190.55	4178838.99	0.55, 41788	0.2552	0.29099	0.23588	127.82601	53.11626	132.48794	15.97966	8.85271	16.56099	4.36E-11	1.07E-08	2.49E-09	1.35E-14	4.06E-14	3.21E-14	7.36E-16	1.78E-14	9.81E-16	1.94862E-14	4.363E-11	1.0651E-08	2.48597E-09	1.37698E-14	2.97427E-15	6.87292E-15	4.9485E-16
743	571230.55	4178838.99	0.55, 41788	0.25406	0.28009	0.23929	144.46225	51.51588	176.21864	18.06666	8.58598	22.02733	4.23E-11	1.14E-08	2.87E-09	1.31E-14	3.94E-14	3.11E-14	7.14E-16	1.72E-14	9.52E-16	1.89038E-14	4.232E-11	1.1446E-08	2.86812E-09	1.33582E-14	2.88537E-15	6.66751E-15	4.8006E-16
744	571270.55	4178838.99	0.55, 41788	0.2507	0.26766	0.24251	121.82335	49.56018	161.92313	15.26733	8.26003	20.24326	4.08E-11	1.06E-08	2.45E-09	1.26E-14	3.8E-14	3E-14	6.88E-16	1.66E-14	9.17E-16	1.82216E-14	4.08E-11	1.064E-08	2.45207E-09	1.28762E-14	2.78125E-15	6.4269E-15	4.62737E-16
745	571310.55	4178838.99	0.55, 41788	0.24184	0.25433	0.23951	103.21026	44.65355	122.05645	14.74432	7.58702	17.43664	3.9E-11	9.08E-09	2.33E-09	1.2E-14	3.63E-14	2.87E-14	6.57E-16	1.59E-14	8.76E-16	1.74072E-14	3.897E-11	9.0805E-09	2.3313E-09	1.23007E-14	2.65695E-15	6.13967E-15	4.42056E-16
746	571350.55	4178838.99	0.55, 41788	0.22797	0.24079	0.22797	99.0464	44.12829	113.73434	14.35742	7.39344	18.63488	3.69E-11	8.81E-09	2.3E-09	1.14E-14	3.44E-14	2.72E-14	6.22E-16	1.5E-14	8.3E-16	1.64837E-14	3.691E-11	8.8128E-09	2.29893E-09	1.16481E-14	2.51599E-15	5.81394E-15	4.18604E-16
747	571390.55	4178838.99	0.55, 41788	0.21103	0.22733	0.21036	102.76287	42.76623	112.22851	13.91866	7.25999	15.15441	3.47E-11	8.67E-09	2.18E-09	1.07E-14	3.23E-14	2.55E-14	5.85E-16	1.41E-14	7.8E-16	1.54984E-14	3.47E-11	8.67E-09	2.17803E-09	1.09518E-14	2.36559E-15	5.4664E-15	3.93581E-16
748	571430.55	4178838.99	0.55, 41788	0.19469	0.21494	0.19186	96.70075	41.37793	118.14409	13.13698	7.12068	15.87157	3.26E-11	8.52E-09	2.08E-09	1.01E-14	3.04E-14	2.4E-14	5.5E-16	1.33E-14	7.33E-16	1.45689E-14	3.262E-11	8.5169E-09	2.083E-09	1.0295E-14	2.22373E-15	5.13858E-15	3.69977E-16
749	571470.55	4178838.99	0.55, 41788	0.18137	0.20392	0.17665	77.02264	40.18933	97.95965	10.5662	6.94319	13.29535	3.08E-11	7.74E-09	1.68E-09	9.51E-15	2.87E-14	2.27E-14	5.19E-16	1.25E-14	6.93E-16	1.37595E-14	3.081E-11	7.7448E-09	1.68459E-09	9.72302E-15	2.10017E-15	4.85307E-15	3.49421E-16
750	571510.55	4178838.99	0.55, 41788	0.17253	0.19446	0.16733	52.60803	39.21497	67.39367	7.34906	6.67327	9.32595	2.94E-11	6.75E-09	1.17E-09	9.06E-15	2.73E-14	2.16E-14	4.95E-16	1.2E-14	6.6E-16	1.31098E-14	2.935E-11	6.7526E-09	1.17304E-09	9.26391E-15	2.001E-15	4.62391E-15	3.32922E-16
751	571550.55	4178838.99	0.55, 41788	0.16797	0.18619	0.16347	68.59481	38.25365	67.50423	9.65516	6.29212	9.48561	2.82E-11	6.86E-09	1.49E-09	8.7E-15	2.63E-14	2.08E-14	4.75E-16	1.15E-14	6.34E-16	1.25948E-14	2.82E-11	6.8583E-09	1.493E-09	8.90002E-15	1.9224E-15	4.44228E-15	3.19845E-16
752	571590.55	4178838.99	0.55, 41788	0.16271	0.17607	0.15959	86.9293	37.04871	99.01478	11.93163	5.86384	13.49632	2.68E-11	7.51E-09	1.88E-09	8.27E-15	2.5E-14	1.97E-14	4.52E-16	1.09E-14	6.03E-16	1.19732E-14	2.681E-11	7.5128E-09	1.87588E-09	8.46077E-15	1.82753E-15	4.22304E-15	3.04059E-16
753	570839.17	4178445.88	9.17, 41784	74.46739	6.86955	3.72049	1115.31188	246.53605	1658.95445	545.24687	92.47095	232.89196	1.95E-09	7.49E-08	7.9E-08	6.02E-13	1.82E-12	1.44E-12	3.29E-14	7.94E-13	4.39E-14	8.71198E-13	1.951E-09	7.4868E-08	7.90441E-08	6.15626E-13	1.32975E-13	3.07278E-13	2.2124E-14
754	570839.17	4178485.88	9.17, 41784	72.70489	8.35312	4.22209	2611.28562	240.43522	1473.87155	1286.82968	90.10385	245.64526	2.12E-09	9.17E-08	1.81E-07	6.54E-13	1.97E-12	1.56E-12	3.57E-14	8.63E-13	4.76E-14	9.46049E-13	2.118E-09	9.1718E-08	1.81261E-07	6.68519E-13	1.444E-13	3.33679E-13	2.40249E-14
755	570879.17	4178405.88	9.17, 41784	9.26791	12.09581	2.86973	654.37651	281.54322	1652.24347	174.87233	99.71055	250.6883	1.67E-09	7.27E-08	2.84E-08	5.17E-13	1.56E-12	1.23E-12	2.82E-14	6.82E-13	3.76E-14	7.47764E-13	1.674E-09	7.2663E-08	2.84135E-08	5.28402E-13	1.14135E-13	2.63742E-13	1.89894E-14
756	570879.17	4178445.88	9.17, 41784	110.98197	13.33715	11.62742	3333.88644	260.53475	3586.87714	1717.50318	91.01179	770.8732	3.4E-09	1.41E-07	2.5E-07	1.05E-12	3.16E-12	2.5E-12	5.73E-14	1.38E-12	7.64E-14	1.51677E-12	3.396E-09	1.4103E-07	2.49634E-07	1.07181E-12	2.31512E-13	5.34977E-13	3.85183E-14
757	570879.17	4178485.88	9.17, 41784	18.42358	13.79846	20.70311	473.0449	246.35325	4578.74855	141.68031	100.88031	655.29094	2.32E-09	1.17E-07	3.09E-08	7.17E-13	2.16E-12	1.71E-12	3.92E-14	9.46E-13	5.22E-14	1.03729E-12	2.322E-09	1.1671E-07	3.08887E-08	7.32997E-13	1.58327E-13	3.65862E-13	2.63421E-14
758	570879.17	4178525.88	9.17, 41785	94.91809	17.71904	9.02777	3340.71117	271.69492	2014.80922	1490.9797	113.49448	441.47053	3.67E-09	1.15E-07	2.13E-07	1.13E-12	3.42E-12	2.7E-12	6.19E-14	1.49E-12	8.25E-14	1.63862E-12	3.669E-09	1.1515E-07	2.12747E-07	1.15792E-12	2.50111E-13	5.77955E-13	4.16128E-14
759	570879.17	4178565.88	9.17, 41785	6.34056	7.84517	3.48916	517.57011	248.69096	1100.96831	138.67192	92.32789	171.27972	1.12E-09	5.71E-08	2.21E-08	3.45E-13	1.04E-12	8.23E-13	1.89E-14	4.56E-13	2.52E-14	4.9969E-13	1.119E-09	5.7105E-08	2.20529E-08	3.53102E-13	7.627E-14	1.76244E-13	1.26896E-14
760	570919.17	4178365.88	9.17, 41783	2.36921	8.89638	1.45024	279.82249	231.14799	970.86833	50.20448	85.64726	145.20587	1.16E-09	4.94E-08	9.43E-09	3.57E-13	1.08E-12	8.52E-13	1.95E-14	4.72E-13	2.6E-14	5.17191E-13	1.158E-09	4.9363E-08	9.43164E-09	3.6547E-13	7.89414E-14	1.82418E-13	1.31341E-14
761	570919.17	4178405.88	9.17, 41784	7.16288	18.51893	2.95623	387.12304	281.06153	1814.51514	102.95605	123.97591	301.78328	2.44E-09	7.17E-08	1.94E-08	7.53E-13	2.27E-12	1.8E-12	4.11E-14	9.94E-13	5.49E-14	1.08998E-12	2.44E-09	7.1706E-08	1.94115E-08	7.70229E-13	1.66369E-13	3.84446E-13	2.76801E-14
762	570919.17	4178445.88	9.17, 41784	30.90779	15.96768	15.85005	761.46723	266.85593	6280.62092	290.35951	97.37786	1155.63511	2.68E-09	1.53E-07	6E-08	8.27E-13	2.5E-12	1.97E-12	4.52E-14	1.09E-12	6.03E-14	1.19697E-12	2.68E-09	1.5287E-07	6.00439E-08	8.45827E-13	1.82699E-13	4.22179E-13	3.03969E-14
763	570919.17	4178485.88	9.17, 41784	29.57453	18.16179	468.02027	992.62163	281.14129	31654.24271	425.98322	121.6397	9353.86757	1.08E-08	5.99E-07	2.21E-07	3.33E-12	1.01E-11	7.95E-12	1.82E-13	4.4E-12	2.43E-13	4.82401E-12	1.08E-08	5.9937E-07	2.21351E-07	3.40885E-12	7.36312E-13	1.70147E-12	1.22506E-13
764	570919.17	4178525.88	9.17, 41785	19.47257	21.77306	15.13476	427.44744	357.8357	3633.422	126.47105	151.21701	760.0028	3.23E-09	1.13E-07	3.06E-08	9.95E-13	3.01E-12	2.37E-12	5.44E-14	1.31E-12	7.25E-14	1.44084E-12	3.226E-09	1.1341E-07	3.06189E-08	1.01816E-12	2.19922E-13	5.08195E-13	3.659E-14
765	570919.17	4178565.88	9.17, 41785	68.70701	17.81326	4.44491	3547.24462	326.79695	1605.72558	1121.59815	123.62419	257.53275	3.24E-09	1.18E-07	1.59E-07	9.99E-13	3.01E-12	2.38E-12	5.46E-14	1.32E-12	7.28E-14	1.44524E-12	3.236E-09	1.1772E-07	1.58742E-07	1.02127E-12	2.20594E-13	5.09748E-13	3.67019E-14
766	570959.17	4178325.88	9.17, 41783	2.08146	12.83514	1.34475	279.67021	252.56813	633.18912	42.32993	97.81035	79.64117	1.64E-09	4.61E-08	7.21E-09	5.06E-13	1.53E-12	1.21E-12	2.76E-14	6.68E-13	3.68E-14	7.32051E-13	1.639E-09	4.6133E-08	7.20773E-09	5.17298E-13	1.11736E-13	2.582E-13	1.85904E-14
767	570959.17	4178365.88	9.17, 41783	2.97969	11.80225	1.85212	241.09871	252.07126	954.07883	42.48046	78.75938	136.29698	1.53E-09	5.11E-08	8.21E-09	4.73E-13	1.43E-12	1.13E-12	2.58E-14	6.24E-13	3.45E-14	6.8455E-13	1.533E-09	5.1118E-08	8.21428E-09	4.83732E-13	1.04486E-13	2.41446E-13	1.73841E-14
768	570959.17	4178405.88	9.17, 41784	5.48321	18.00699	4.34111	312.89849	292.26242	1429.75284	67.10795	111.57482	238.11199	2.38E-09	6.54E-08	1.34E-08	7.34E-13	2.22E-12	1.75E-12	4.01E-14	9.68E-13	5.35E-14	1.06204E-12	2.378E-09	6.5363E-08	1.33731E-08	7.50481E-13	1.62104E-13	3.74589E-13	2.69704E-14
769	570959.17	4178445.88	9.17, 41784	13.2141	15.9724	27.93872	471.07205	258.82785	2485.7483	129.31081	100.45092	486.63208	2.64E-09	8.18E-08	2.63E-08	8.16E-13	2.46E-12	1.95E-12	4.46E-14	1.08E-12	5.95E-14	1.18117E-12	2.645E-09	8.1806E-08	2.62527E-08	8.34663E-13	1.80287E-13	4.16607E-13	2.99957E-14
770	570959.17	4178485.88	9.17, 41784	61.20406	15.71053	62.85492	1330.20017	250.50131	2800.83581	539.4281	101.77571	895.66291	3.89E-09	9.82E-08	8.98E-08	1.2E-12	3.62E-12	2.86E-12	6.56E-14	1.58E-12	8.74E-14	1.73645E-12	3.888E-09	9.8219E-08	8.97764E-08	1.22705E-12	2.65042E-13	6.12459E-13	4.40971E-14
771	570959.17	4178525.88	9.17, 41785	233.18259	14.04006	12.98457	3491.90215	258.73899	2789.84609	1687.05022	110.68808	397.86928	5.21E-09	1.29E-07	2.39E-07	1.61E-12	4.85E-12	3.83E-12	8.78E-14	2.12E-12	1.17E-13	2.32591E-12	5.208E-09	1.2914E-07	2.38955E-07	1.64358E-12	3.55014E-13	8.20365E-13	5.90663E-14
772	570999.17	4178285.88	9.17, 41782	4.82709	7.01905	1.81527	541.05323	230.67805	782.52024	117.6944	82.70868	130.42004	9.66E-10	4.97E-08	1.85E-08	2.98E-13	9E-13	7.11E-13	1.63E-14	3.94E-13	2.17E-14	4.31658E-13	9.665E-10	4.9664E-08	1.84567E-08	3.05028E-13	6.58861E-14	1.52249E-13	1.0962E-14
773	570999.17	4178325.88	9.17, 41783	3.49216	17.23511	2.06149	334.8047	281.26172	702.77079	73.88295	121.01705	110.07877	2.22E-09	5.17E-08	1.21E-08	6.84E-13	2.06E-12	1.63E-12	3.73E-14	9.02E-13	4.98E-14	9.89325E-13	2.215E-09	5.1658E-08	1.20771E-08	6.99099E-13	1.51005E-13	3.48943E-13	2.51239E-14
774	570999.17	4178365.88	9.17, 41783	3.49499	15.86199	2.88936	258.09779	262.50756	719.40934	51.99585	99.38677	89.92617	2.06E-09	4.86E-08	8.72E-09	6.36E-13	1.92E-12	1.52E-12	3.47E-14	8.39E-13	4.63E-14	9.19963E-13	2.06E-09	4.8561E-08	8.71612E-09	6.50085E-13	1.40418E-13	3.24478E-13	2.33624E-14
775	570999.17	4178405.88	9.17, 41784	4.67229	14.08019	6.50261	269.25985	258.20089	888.73579	48.54927	90.52886	138.83889	1.92E-09	5.11E-08	9.09E-09	5.92E-13	1.79E-12	1.41E-12	3.24E-14	7.81E-13	4.31E-14	8.56987E-13	1.919E-09	5.1131E-08	9.0932E-09	6.05584E-13	1.30806E-13	3.02266E-13	2.17632E-14
776	570999.17	4178445.88	9.17, 41784	8.21208	17.59623	13.45709	365.10896	254.50285	1091.31402	80.87758	113.65243	185.77432	2.52E-09	5.55E-08	1.44E-08	7.79E-13	2.35E-12	1.86E-12	4.26E-14	1.03E-12	5.67E-14	1.12717E-12	2.524E-09	5.5533E-08	1.43562E-08	7.96509E-13	1.72046E-13	3.97563E-13	2.86245E-14
777	570999.17	4178485.88	9.17, 41784	18.06608	14.21786	20.31738	585.19163	263.25351	1140.06137	156.20535	101.07997	297.24229	2.36E-09	6.05E-08	2.67E-08	7.29E-13	2.2E-12	1.74E-12	3.98E-14	9.62E-13	5.31E-14	1.05523E-12	2.363E-09	6.0526E-08	2.66562E-08	7.45671E-13	1.61065E-13	3.72188E-13	2.67975E-14
778	571039.17	4178245.88	9.17, 41782	16.91212	6.90765	2.82369	857.31055	271.11205	1316.76682	274.95229	93.64332	189.48612	1.14E-09	6.84E-08	4.11E-08	3.51E-13	1.06E-12	8.38E-13	1.92E-14	4.64E-13	2.56E-14	5.08483E-13	1.138E-09	6.8361E-08	4.11133E-08	3.59316E-13	7.76123E-14	1.79346E-13	1.29129E-14
779	571039.17	4178285.88	9.17, 41782	28.85834	15.10006	3.68614	1240.055	260.3069	1323.38037	549.80999	92.85324	215.01085	2.33E-09	7.25E-08	7.94E-08	7.2E-13	2.17E-12	1.72E-12	3.93E-14	9.5E-13	5.24E-14	1.04178E-12	2.332E-09	7.2468E-08	7.93605E-08	7.36169E-13	1.59012E-13	3.67445E-13	2.64561E-14
780	571039.17	4178325.88	9.17, 41783	6.67676	17.1171	4.10991	443.85334	276.43557	1246.54946	131.23026	111.87763	155.81868	2.28E-09	6.2E-08	2.08E-08	7.04E-13	2.12E-12	1.68E-12	3.85E-14	9.29E-13	5.13E-14	1.01853E-12	2.28E-09	6.2041E-08	2.07603E-08	7.19736E-13	1.55463E-13	3.59243E-13	2.58655E-14
781	571039.17	4178365.88	9.17, 41783	4.40971	16.57374	4.87433	310.01939	259.88486	992.68074	73.97776	106.04392	160.75052	2.19E-09	5.37E-08	1.3E-08	6.77E-13	2.05E-12	1.62E-12	3.7E-14	8.94E-13	4.94E-14	9.80375E-13	2.195E-09	5.3715E-08	1.29718E-08	6.92775E-13	1.49639E-13	3.45786E-13	2.48966E-14
782	571039.17	4178405.88	9.17, 41784	4.40492	15.47088	6.2465	249.62047	251.60574	625.26496	54.55389	95.67705	86.62547	2.08E-09	4.55E-08	9.01E-09	6.43E-13	1.94E-12	1.53E-12	3.51E-14	8.48E-13	4.68E-14	9.30118E-13	2.082E-09	4.5457E-08	9.01051E-09	6.57261E-13	1.41968E-13	3.2806E-13	2.36203E-14
783	571039.17	4178445.88	9.17, 41784	6.02235	17.33371	7.45895	271.18693	258.43077	565.95619	53.34538	113.33058	91.15286	2.36E-09	4.56E-08	8.92E-09	7.27E-13	2.2E-12	1.73E-12	3.97E-14	9.6E-13	5.3E-14	1.05245E-12	2.356E-09	4.5569E-08	8.92308E-09	7.43705E-13	1.6064E-13	3.71207E-13	2.67269E-14
784	571079.17	4178245.88	9.17, 41782	26.90238	12.76385	4.78342	686.22219	257.40547	1959.72628	294.80616	92.56412	417.67679	2.04E-09	7.55E-08	4.78E-08	6.28E-13	1.9E-12	1.5E-12	3.43E-14	8.29E-13	4.58E-14	9.09163E-13	2.036E-09	7.5473E-08	4.78146E-08	6.42453E-13	1.3877E-13	3.20669E-13	2.30882E-14
785	571079.17	4178285.88	9.17, 41782	49.90964	15.92317	13.80121	957.6563	283.49226	4117.74908	414.11972	108.09945	689.22522	2.9E-09	1.2E-07	6.89E-08	8.96E-13	2.71E-12	2.14E-12	4.9E-14	1.18E-12	6.53E-14	1.29673E-12	2.903E-09	1.2003E-07	6.89497E-08	9.16323E-13	1.97926E-13	4.57366E-13	3.29304E-14
786	571079.17	4178325.88	9.17, 41783	16.67986	14.36437	14.4793	793.60016	243.70787	3077.685	313.14105	91.11491	664.711	2.26E-09	9.47E-08	5.46E-08	6.97E-13	2.11E-12	1.66E-12	3.81E-14	9.2E-13	5.08E-14	1.00933E-12	2.26E-09	9.4727E-08	5.46348E-08	7.13234E-13	1.54059E-13	3.55998E-13	2.56319E-14
787	571079.17	4178365.88	9.17, 41783	6.18218	17.09307	7.0902	419.38901	255.0076	1488.27193	110.95083	108.56867	287.95219	2.32E-09	6.33E-08	2.03E-08	7.17E-13	2.16E-12	1.71E-12	3.92E-14	9.46E-13	5.22E-14	1.03729E-12	2.322E-09	6.3258E-08	2.02704E-08	7.32993E-13	1.58327E-13	3.6586E-13	2.63419E-14
788	571079.17	4178405.88	9.17, 41784	4.42977	14.91	5.35349	310.20505	209.99469	815.89349	72.09993	91.11305	117.58287	2E-09	4.45E-08	1.2E-08	6.17E-13	1.86E-12	1.47E-12	3.37E-14	8.14E-13	4.49E-14	8.92364E-13	1.998E-09	4.4474E-08	1.19624E-08	6.30583E-13	1.36206E-13	3.14744E-13	2.26616E-14
789	571119.17	4178285.88	9.17, 41782	25.0824	15.07438	138.00946	507.91812	256.39153	16734.57469	211.8106	106.96205	4271.60103	4.61E-09	3.3E-07	1.03E-07	1.42E-12	4.3E-12	3.4E-12	7.78E-14	1.88E-12	1.04E-13	2.06083E-12	4.614E-09	3.2996E-07	1.0346E-07	1.45627E-12	3.14554E-13	7.26871E-13	5.23347E-14
790	571119.17	4178325.88	9.17, 41783	197.49067	14.51391	52.98238	3348.29445	230.6601	7805.71053	1622.72219	95.52079	2122.69744	5.47E-09	2.11E-07	2.6E-07	1.69E-12	5.09E-12	4.02E-12	9.22E-14	2.23E-12	1.23E-13	2.44101E-12	5.465E-09	2.1095E-07	2.6012E-07	1.72492E-12	3.72583E-13	8.60964E-13	6.19894E-14
791	571119.17	4178365.88	9.17, 41783	10.01384	12.46582	9.59129	630.48898	206.62645	2115.5821	198.58486	83.22549	424.70779	1.85E-09	7.11E-08	3.47E-08	5.7E-13	1.72E-12	1.36E-12	3.11E-14	7.52E-13	4.15E-14	8.2507E-13	1.847E-09	7.1132E-08	3.47029E-08	5.8303E-13	1.25934E-13	2.91009E-13	2.09526E-14
792	571159.17	4178325.88	9.17, 41783	219.15803	19.05137	35.48029	3124.9508	277.70648	3646.5914	1560.39264	128.55095	753.34584	6.02E-09	1.41E-07	2.28E-07	1.86E-12	5.61E-12	4.43E-12	1.02E-13	2.45E-12	1.35E-13	2.69023E-12	6.023E-09	1.4128E-07	2.2772E-07	1.90103E-12	4.10622E-13	9.48865E-13	6.83182E-14
793	570808.82	4178464.81	8.82, 41784	10.95844	3.34212	2.15804	1253.90648	193.66587	956.23037	302.59047	56.7134	159.37173	6.03E-10	5.8E-08	4.44E-08	1.86E-13	5.62E-13	4.44E-13	1.02E-14	2.46E-13	1.36E-14	2.69432E-13	6.032E-10	5.8034E-08	4.43905E-08	1.90392E-13	4.11247E-14	9.50308E-14	6.84222E-15
794	570823.91	4178529.88	3.91, 41785	3.05561	3.25593	2.40542	358.64643	197.99385	1108.94733	70.39413	63.38636	140.39269	4.87E-10	4.88E-08	1.21E-08	1.5E-13	4.54E-13	3.58E-13	8.21E-15	1.98E-13	1.09E-14	2.1746E-13	4.869E-10	4.8764E-08	1.21247E-08	1.53667E-13	3.3192E-14	7.66999E-14	5.5224E-15
795	570883.31	4178602.01	3.31, 41786	3.07425	4.49746	2.05933	479.66242	287.53386	914.81532	94.76169	103.00469	119.05382	6.35E-10	5.81E-08	1.51E-08	1.96E-13	5.91E-13	4.67E-13	1.07E-14	2.58E-13	1.43E-14	2.83434E-13	6.346E-10	5.8139E-08	1.51048E-08	2.00287E-13	4.32619E-14	9.99695E-14	7.1978E-15
796	571181.45	4178310.17	1.45, 41783	77.30582	13.12592	35.80897	2585.53888	242.23364	1672.90767	872.95261	114.20023	513.62427	3.32E-09	9.5E-08	1.29E-07	1.03E-12	3.1E-12	2.44E-12	5.6E-14	1.35E-12	7.47E-14	1.48366E-12	3.322E-09	9.5046E-08	1.29001E-07	1.04842E-12	2.26458E-13	5.23299E-13	3.76775E-14
797	571067.83	4178206.53	7.83, 41782	5.36607	4.9243	1.64986	895.65181	299.02694	904.65641	223.56067	96.05921	144.20823	7.12E-10	6.52E-08	3.33E-08	2.2E-13	6.64E-13	5.24E-13	1.2E-14	2.9E-13	1.6E-14	3.18068E-13	7.121E-10	6.5174E-08	3.32572E-08	2.2476E-13	4.85482E-14	1.12185E-13	8.07733E-15
798	570799.89	4178446.83	9.89, 41784	4.88888	2.78293	1.75814	732.83791	152.28075	768.58836	142.77112	52.0733	124.31973	4.43E-10	4.24E-08	2.18E-08	1.37E-13	4.12E-13	3.26E-13	7.46E-15	1.8E-13	9.95E-15	1.97713E-13	4.427E-10	4.24E-08	2.17995E-08	1.39712E-13	3.01778E-14	6.97348E-14	5.0209E-15

	Trenching	Grading	Stockpile
Emissions Rate (g/s):	3.73E-11	3.31E-10	4.67E-11

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	0.39	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	0.39	10	2	70	0.85
2<9	861	1	0.854795	0.000001	0.39	3	0.55	70	0.72
Student	640	1	0.493151	0.000001	0.39	3	2.8	70	1
Worker	230	1	0.684932	0.000001	0.39	1	2.8	70	1

Indeno(1,2,3-cd)pyrene

	Chronic (Annu	Acute (1hr)	8hr
REL:	1	1	1

#	X	Y	X,Y	Concentration [µg/m^3] at 1 g/s Trenching Period	Grading Period	Stockpile Period	Treching 1hr	Grading 1hr	Stockpile 1hr	Trenching 8hr	Grading 8hr	Stockpile 8hr	Concentration (µg/m^3) Unmitigated Period Total	1hr Total	8hr Total	Unmitigated Residential Dose 3rd	0<2	2<9	Risk by Age Group 3rd	0<2	2<9	Total Risk	Unmitigated Chronic	Acute	8hr	Student Unmitigated Dose	Risk	Worker Unmitigated Dose	Risk
1	570310.6	4177919	0.55, 41779	0.08215	0.06425	0.08047	53.98877	25.74637	57.86027	6.7486	3.78109	7.23253	2.81E-11	1.32E-08	2.83E-09	8.68E-15	2.62E-14	2.07E-14	1.03E-16	2.48E-15	1.37E-16	2.7208E-15	2.812E-11	1.3248E-08	2.82607E-09	8.87369E-15	4.15289E-16	4.42914E-15	6.90946E-17
2	570350.6	4177919	0.55, 41779	0.08744	0.06946	0.0859	61.34869	26.43683	62.74615	7.66859	3.66465	7.84327	3.03E-11	1.4E-08	3.19E-09	9.35E-15	2.82E-14	2.23E-14	1.11E-16	2.67E-15	1.48E-16	2.93153E-15	3.029E-11	1.3979E-08	3.19382E-09	9.56097E-15	4.47453E-16	4.77219E-15	7.44461E-17
3	570390.6	4177919	0.55, 41779	0.09273	0.07514	0.09126	67.57642	27.23616	68.95787	8.44705	3.80844	8.61973	3.26E-11	1.48E-08	3.52E-09	1.01E-14	3.04E-14	2.4E-14	1.19E-16	2.88E-15	1.59E-16	3.15702E-15	3.262E-11	1.4767E-08	3.51711E-09	1.02964E-14	4.81871E-16	5.13925E-15	8.01724E-17
4	570430.6	4177919	0.55, 41779	0.09799	0.08123	0.09661	71.34976	28.07066	72.35504	8.91872	4.01428	9.04438	3.51E-11	1.53E-08	3.71E-09	1.08E-14	3.27E-14	2.58E-14	1.28E-16	3.1E-15	1.71E-16	3.3955E-15	3.509E-11	1.5342E-08	3.71086E-09	1.10742E-14	5.18272E-16	5.52748E-15	8.62287E-17
5	570470.6	4177919	0.55, 41779	0.10292	0.08757	0.10182	71.34124	28.88227	71.18869	8.91766	4.18506	8.89859	3.76E-11	1.56E-08	3.7E-09	1.16E-14	3.5E-14	2.77E-14	1.37E-16	3.32E-15	1.83E-16	3.64018E-15	3.762E-11	1.5557E-08	3.70367E-09	1.18722E-14	5.55619E-16	5.92579E-15	9.24423E-17
6	570510.6	4177919	0.55, 41779	0.10719	0.09397	0.10631	70.57748	29.51269	72.86498	8.82218	4.31581	9.10812	4.01E-11	1.58E-08	3.68E-09	1.24E-14	3.74E-14	2.95E-14	1.47E-16	3.54E-15	1.95E-16	3.88115E-15	4.011E-11	1.5815E-08	3.67823E-09	1.26581E-14	5.92399E-16	6.31806E-15	9.85618E-17
7	570550.6	4177919	0.55, 41779	0.11095	0.10041	0.10942	80.02506	30.00614	83.29269	10.00313	4.88273	10.41159	4.25E-11	1.68E-08	4.17E-09	1.31E-14	3.96E-14	3.13E-14	1.55E-16	3.75E-15	2.07E-16	4.11533E-15	4.253E-11	1.6818E-08	4.17454E-09	1.34219E-14	6.28143E-16	6.69928E-15	1.04509E-16
8	570590.6	4177919	0.55, 41779	0.11537	0.10684	0.11183	81.14556	31.22548	84.40479	10.14319	5.49199	10.5506	4.49E-11	1.73E-08	4.23E-09	1.39E-14	4.19E-14	3.31E-14	1.64E-16	3.97E-15	2.19E-16	4.34842E-15	4.493E-11	1.7316E-08	4.23267E-09	1.4182E-14	6.6372E-16	7.07871E-15	1.10428E-16
9	570630.6	4177919	0.55, 41779	0.12154	0.11343	0.11602	82.02682	32.76834	84.97635	10.54682	6.07261	10.62204	4.75E-11	1.79E-08	4.38E-09	1.47E-14	4.43E-14	3.5E-14	1.74E-16	4.2E-15	2.32E-16	4.60099E-15	4.754E-11	1.7887E-08	4.38485E-09	1.50058E-14	7.02271E-16	7.48987E-15	1.16842E-16
10	570670.6	4177919	0.55, 41779	0.12896	0.11974	0.12346	90.28793	34.09351	94.2666	12.11861	6.60764	13.84836	5.03E-11	1.91E-08	5.11E-09	1.55E-14	4.68E-14	3.7E-14	1.84E-16	4.44E-15	2.45E-16	4.86377E-15	5.026E-11	1.9068E-08	5.11499E-09	1.58628E-14	7.4238E-16	7.91764E-15	1.23515E-16
11	570710.6	4177919	0.55, 41779	0.13589	0.12543	0.13131	92.03158	38.34133	98.54944	11.50395	7.03486	13.72911	5.28E-11	2.07E-08	4.88E-09	1.63E-14	4.92E-14	3.88E-14	1.93E-16	4.66E-15	2.57E-16	5.10674E-15	5.277E-11	2.0741E-08	4.88276E-09	1.66553E-14	7.79467E-16	8.31318E-15	1.29686E-16
12	570750.6	4177919	0.55, 41779	0.14097	0.13029	0.13561	98.93292	42.68075	106.54938	12.36662	7.25038	14.15663	5.48E-11	2.28E-08	5.22E-09	1.69E-14	5.1E-14	4.03E-14	2E-16	4.83E-15	2.67E-16	5.30039E-15	5.477E-11	2.281E-08	5.22083E-09	1.72868E-14	8.09023E-16	8.62841E-15	1.34603E-16
13	570790.6	4177919	0.55, 41779	0.1434	0.13429	0.137	101.78306	44.96916	112.12821	12.72288	7.16867	14.01603	5.63E-11	2.39E-08	5.35E-09	1.74E-14	5.24E-14	4.14E-14	2.06E-16	4.96E-15	2.74E-16	5.44374E-15	5.625E-11	2.3935E-08	5.34564E-09	1.77543E-14	8.30904E-16	8.86176E-15	1.38243E-16
14	570830.6	4177919	0.55, 41779	0.14249	0.1373	0.1371	103.05806	46.92439	113.14313	12.88226	6.63254	14.14289	5.72E-11	2.47E-08	5.41E-09	1.77E-14	5.33E-14	4.21E-14	2.09E-16	5.05E-15	2.79E-16	5.53744E-15	5.722E-11	2.4678E-08	5.41034E-09	1.806E-14	8.45207E-16	9.01431E-15	1.40623E-16
15	570870.6	4177919	0.55, 41779	0.13915	0.13926	0.13269	113.81753	49.41272	127.10432	14.22719	6.17659	15.88804	5.75E-11	2.66E-08	5.99E-09	1.78E-14	5.36E-14	4.23E-14	2.1E-16	5.08E-15	2.8E-16	5.56833E-15	5.754E-11	2.6555E-08	5.98772E-09	1.81607E-14	8.49922E-16	9.0646E-15	1.41408E-16
16	570910.6	4177919	0.55, 41779	0.13537	0.14116	0.12571	103.09741	52.00284	118.27061	16.13684	6.50036	14.78383	5.77E-11	2.66E-08	6.64E-09	1.78E-14	5.38E-14	4.25E-14	2.11E-16	5.09E-15	2.81E-16	5.58411E-15	5.77E-11	2.6602E-08	6.64041E-09	1.82122E-14	8.52329E-16	9.09028E-15	1.41808E-16
17	570950.6	4177919	0.55, 41779	0.13129	0.14261	0.12523	128.63222	54.75687	154.09416	19.7206	7.6051	23.34348	5.8E-11	3.01E-08	8.36E-09	1.79E-14	5.4E-14	4.27E-14	2.12E-16	5.12E-15	2.83E-16	5.61371E-15	5.801E-11	3.0139E-08	8.36131E-09	1.83087E-14	8.56848E-16	9.13847E-15	1.4256E-16
18	570990.6	4177919	0.55, 41779	0.12715	0.1442	0.12572	126.51514	58.01026	163.29109	18.07359	9.36612	23.3273	5.84E-11	3.16E-08	7.75E-09	1.8E-14	5.44E-14	4.3E-14	2.13E-16	5.15E-15	2.85E-16	5.65197E-15	5.84E-11	3.1567E-08	7.7532E-09	1.84335E-14	8.62687E-16	9.20075E-15	1.43532E-16
19	571030.6	4177919	0.55, 41779	0.12254	0.14609	0.11762	125.39004	62.99788	174.41478	17.19472	10.49965	21.80185	5.85E-11	3.37E-08	7.36E-09	1.8E-14	5.45E-14	4.3E-14	2.14E-16	5.16E-15	2.85E-16	5.65937E-15	5.848E-11	3.3697E-08	7.35794E-09	1.84576E-14	8.63817E-16	9.21279E-15	1.4372E-16
20	571070.6	4177919	0.55, 41779	0.1201	0.14847	0.1104	126.80092	67.58831	177.9713	16.22667	10.87469	22.24641	5.88E-11	3.54E-08	7.02E-09	1.82E-14	5.48E-14	4.33E-14	2.15E-16	5.19E-15	2.87E-16	5.6943E-15	5.884E-11	3.5437E-08	7.0217E-09	1.85715E-14	8.69148E-16	9.26965E-15	1.44606E-16
21	571110.6	4177919	0.55, 41779	0.1205	0.15044	0.10927	126.62476	68.47754	165.66905	20.2586	9.61445	20.70863	5.95E-11	3.52E-08	8.44E-09	1.83E-14	5.54E-14	4.38E-14	2.17E-16	5.25E-15	2.9E-16	5.75383E-15	5.946E-11	3.5151E-08	8.43678E-09	1.87657E-14	8.78234E-16	9.36655E-15	1.46118E-16
22	571150.6	4177919	0.55, 41779	0.1212	0.15159	0.11602	131.66409	62.22893	172.39569	21.10658	9.19459	24.99313	6.02E-11	3.36E-08	8.95E-09	1.86E-14	5.61E-14	4.43E-14	2.2E-16	5.31E-15	2.93E-16	5.82371E-15	6.018E-11	3.3582E-08	8.94938E-09	1.89936E-14	8.88902E-16	9.48032E-15	1.47893E-16
23	571190.6	4177919	0.55, 41779	0.12215	0.15198	0.11825	137.85581	66.48698	180.99172	19.69369	10.25241	26.94632	6.04E-11	3.56E-08	8.52E-09	1.87E-14	5.63E-14	4.45E-14	2.21E-16	5.33E-15	2.94E-16	5.84972E-15	6.045E-11	3.5626E-08	8.51948E-09	1.90784E-14	8.92871E-16	9.52266E-15	1.48554E-16
24	571230.6	4177919	0.55, 41779	0.12354	0.15154	0.11348	148.65332	75.08948	179.38421	21.23619	9.50538	22.42303	6.01E-11	3.88E-08	8.88E-09	1.86E-14	5.6E-14	4.43E-14	2.2E-16	5.31E-15	2.93E-16	5.81909E-15	6.013E-11	3.8805E-08	8.87727E-09	1.89786E-14	8.88196E-16	9.4728E-15	1.47776E-16
25	571270.6	4177919	0.55, 41779	0.12544	0.15047	0.11372	135.01221	73.55453	181.97135	18.66937	9.80753	25.99591	5.99E-11	3.79E-08	8.1E-09	1.85E-14	5.58E-14	4.41E-14	2.19E-16	5.28E-15	2.92E-16	5.79272E-15	5.986E-11	3.7908E-08	8.09741E-09	1.88925E-14	8.84171E-16	9.42987E-15	1.47106E-16
26	571310.6	4177919	0.55, 41779	0.12844	0.14895	0.1185	144.25948	74.57026	160.72945	18.03243	9.63087	20.79832	5.97E-11	3.76E-08	7.62E-09	1.84E-14	5.56E-14	4.39E-14	2.18E-16	5.27E-15	2.91E-16	5.77639E-15	5.969E-11	3.7599E-08	7.62004E-09	1.88393E-14	8.81677E-16	9.40328E-15	1.46691E-16
27	571350.6	4177919	0.55, 41779	0.13264	0.1484	0.12186	134.13439	65.82548	182.86761	16.7668	8.49886	22.85845	5.98E-11	3.54E-08	7.25E-09	1.85E-14	5.57E-14	4.4E-14	2.19E-16	5.28E-15	2.91E-16	5.78908E-15	5.982E-11	3.5355E-08	7.24943E-09	1.88807E-14	8.83616E-16	9.42395E-15	1.47014E-16
28	571390.6	4177919	0.55, 41779	0.13487	0.1464	0.12015	140.45529	51.40311	177.22554	17.55691	7.98518	22.15319	5.92E-11	3.05E-08	7.51E-09	1.83E-14	5.51E-14	4.35E-14	2.16E-16	5.22E-15	2.88E-16	5.72527E-15	5.916E-11	3.0548E-08	7.50789E-09	1.86726E-14	8.73876E-16	9.32007E-15	1.45393E-16
29	571430.6	4177919	0.55, 41779	0.14548	0.15293	0.12366	139.19794	49.3636	190.22803	17.39974	7.65374	23.7785	6.19E-11	3.04E-08	7.53E-09	1.91E-14	5.77E-14	4.55E-14	2.26E-16	5.46E-15	3.01E-16	5.98888E-15	6.189E-11	3.0431E-08	7.52576E-09	1.95323E-14	9.14112E-16	9.7492E-15	1.52088E-16
30	571470.6	4177919	0.55, 41779	0.15916	0.16179	0.13045	134.87595	45.89373	190.37308	16.85949	6.86379	23.79664	6.57E-11	2.91E-08	7.33E-09	2.03E-14	6.12E-14	4.83E-14	2.4E-16	5.79E-15	3.2E-16	6.35313E-15	6.565E-11	2.9127E-08	7.32738E-09	2.07203E-14	9.69709E-16	1.03421E-14	1.61338E-16
31	571510.6	4177919	0.55, 41779	0.17426	0.17151	0.14116	122.2315	42.4201	161.48029	15.27894	5.85942	20.18504	6.99E-11	2.62E-08	6.58E-09	2.16E-14	6.52E-14	5.15E-14	2.55E-16	6.17E-15	3.41E-16	6.76778E-15	6.994E-11	2.6156E-08	6.57604E-09	2.20726E-14	1.033E-15	1.10172E-14	1.71868E-16
32	571550.6	4177919	0.55, 41779	0.18787	0.18026	0.15558	112.99449	35.73716	155.78517	14.12431	5.76206	19.47315	7.4E-11	2.33E-08	6.12E-09	2.28E-14	6.9E-14	5.45E-14	2.7E-16	6.53E-15	3.61E-16	7.1627E-15	7.402E-11	2.333E-08	6.11704E-09	2.33606E-14	1.09328E-15	1.166E-14	1.81896E-16
33	571590.6	4177919	0.55, 41779	0.19949	0.18751	0.17419	94.68734	29.26563	123.69427	11.83592	5.30509	15.46178	7.77E-11	1.9E-08	5.09E-09	2.4E-14	7.24E-14	5.72E-14	2.84E-16	6.86E-15	3.79E-16	7.52123E-15	7.772E-11	1.9005E-08	5.08602E-09	2.45299E-14	1.148E-15	1.22437E-14	1.91001E-16
34	570310.6	4177959	0.55, 41779	0.08597	0.06676	0.0838	56.89619	26.25101	62.23098	7.11202	4.18522	7.77887	2.92E-11	1.37E-08	2.99E-09	9.02E-15	2.72E-14	2.15E-14	1.07E-16	2.58E-15	1.42E-16	2.83014E-15	2.925E-11	1.3728E-08	2.98557E-09	9.23029E-15	4.31978E-16	4.60713E-15	7.18713E-17
35	570350.6	4177959	0.55, 41779	0.09204	0.07257	0.08995	58.96006	27.16756	63.77509	7.37001	4.19821	7.97189	3.17E-11	1.42E-08	3.09E-09	9.78E-15	2.95E-14	2.33E-14	1.16E-16	2.8E-15	1.54E-16	3.06618E-15	3.168E-11	1.418E-08	3.08971E-09	1.00001E-14	4.68006E-16	4.99138E-15	7.78656E-17
36	570390.6	4177959	0.55, 41779	0.09833	0.07904	0.09639	63.0038	28.02201	66.12463	7.87548	4.15896	8.26558	3.44E-11	1.47E-08	3.29E-09	1.06E-14	3.2E-14	2.53E-14	1.26E-16	3.03E-15	1.67E-16	3.3255E-15	3.436E-11	1.4724E-08	3.28982E-09	1.08459E-14	5.07586E-16	5.41352E-15	8.44509E-17
37	570430.6	4177959	0.55, 41779	0.10461	0.08611	0.10266	70.72142	28.76698	72.80329	8.84018	4.23038	9.10041	3.72E-11	1.56E-08	3.68E-09	1.15E-14	3.47E-14	2.74E-14	1.36E-16	3.29E-15	1.81E-16	3.60325E-15	3.723E-11	1.5571E-08	3.68451E-09	1.17517E-14	5.49982E-16	5.86567E-15	9.15045E-17
38	570470.6	4177959	0.55, 41779	0.11098	0.09385	0.10929	78.78718	29.82596	80.74124	9.8484	4.47695	10.09265	4.03E-11	1.66E-08	4.1E-09	1.25E-14	3.76E-14	2.97E-14	1.47E-16	3.56E-15	1.97E-16	3.90445E-15	4.035E-11	1.6593E-08	4.1026E-09	1.27341E-14	5.95955E-16	6.35598E-15	9.91533E-17
39	570510.6	4177959	0.55, 41779	0.1169	0.10189	0.11567	83.26174	30.87615	84.48278	10.40772	4.70339	10.56035	4.35E-11	1.73E-08	4.33E-09	1.34E-14	4.06E-14	3.2E-14	1.59E-16	3.84E-15	2.12E-16	4.21251E-15	4.353E-11	1.7283E-08	4.33067E-09	1.37388E-14	6.42976E-16	6.85748E-15	1.06977E-16
40	570550.6	4177959	0.55, 41779	0.12213	0.11	0.12099	82.46075	31.83495	82.01237	10.30759	4.9071	10.25155	4.67E-11	1.75E-08	4.28E-09	1.44E-14	4.35E-14	3.43E-14	1.7E-16	4.12E-15	2.27E-16	4.51554E-15	4.666E-11	1.7455E-08	4.27934E-09	1.47271E-14	6.89229E-16	7.35078E-15	1.14672E-16
41	570590.6	4177959	0.55, 41779	0.1275	0.1185	0.12492	87.61849	32.53805	91.54904	10.95231	5.6614	11.44363	4.99E-11	1.83E-08	4.57E-09	1.54E-14	4.65E-14	3.67E-14	1.82E-16	4.4E-15	2.43E-16	4.82531E-15	4.986E-11	1.8326E-08	4.57271E-09	1.57374E-14	7.36511E-16	7.85505E-15	1.22539E-16
42	570630.6	4177959	0.55, 41779	0.13429	0.12721	0.12893	94.25098	33.95012	99.61773	11.78137	6.34882	12.45222	5.32E-11	1.94E-08	4.93E-09	1.64E-14	4.96E-14	3.91E-14	1.94E-16	4.69E-15	2.59E-16	5.14731E-15	5.319E-11	1.9418E-08	4.92549E-09	1.67876E-14	7.85659E-16	8.37922E-15	1.30716E-16
43	570670.6	4177959	0.55, 41779	0.1434	0.13582	0.13624	91.47953	35.4429	96.20253	12.89467	6.97952	13.63762	5.67E-11	1.96E-08	5.39E-09	1.75E-14	5.29E-14	4.17E-14	2.07E-16	5.01E-15	2.76E-16	5.48938E-15	5.672E-11	1.965E-08	5.39134E-09	1.79032E-14	8.3787E-16	8.93606E-15	1.39403E-16
44	570710.6	4177959	0.55, 41779	0.15342	0.14402	0.1467	103.54122	38.62398	108.53691	12.94265	7.57754	15.98544	6.03E-11	2.17E-08	5.52E-09	1.86E-14	5.62E-14	4.44E-14	2.2E-16	5.32E-15	2.94E-16	5.8358E-15	6.03E-11	2.173E-08	5.51857E-09	1.90331E-14	8.90747E-16	9.5E-15	1.482E-16
45	570750.6	4177959	0.55, 41779	0.16261	0.1515	0.15549	105.52732	44.38977	114.23814	13.19092	8.09206	15.7724	6.35E-11	2.4E-08	5.6E-09	1.96E-14	5.92E-14	4.68E-14	2.32E-16	5.61E-15	3.1E-16	6.1486E-15	6.354E-11	2.3981E-08	5.60018E-09	2.00532E-14	9.3849E-16	1.00092E-14	1.56143E-16
46	570790.6	4177959	0.55, 41779	0.16989	0.15823	0.16076	113.60479	47.24143	124.57926	14.2006	8.3928	15.57241	6.63E-11	2.57E-08	5.96E-09	2.05E-14	6.18E-14	4.88E-14	2.42E-16	5.85E-15	3.23E-16	6.41455E-15	6.628E-11	2.571E-08	5.96319E-09	2.09206E-14	9.79083E-16	1.04421E-14	1.62897E-16
47	570830.6	4177959	0.55, 41779	0.1738	0.16401	0.16481	115.20896	49.45722	130.36471	14.40112	8.28774	16.29559	6.85E-11	2.68E-08	6.07E-09	2.11E-14	6.39E-14	5.04E-14	2.5E-16	6.05E-15	3.34E-16	6.63234E-15	6.854E-11	2.6774E-08	6.07087E-09	2.16309E-14	1.01233E-15	1.07967E-14	1.68428E-16
48	570870.6	4177959	0.55, 41779	0.17339	0.16851	0.16469	122.33209	52.01335	138.82114	15.29151	7.46689	17.35264	7E-11	2.83E-08	6.45E-09	2.16E-14	6.52E-14	5.15E-14	2.56E-16	6.18E-15	3.41E-16	6.77465E-15	7.001E-11	2.8282E-08	6.44853E-09	2.2095E-14	1.03405E-15	1.10283E-14	1.72042E-16
49	570910.6	4177959	0.55, 41779	0.16973	0.17204	0.1579	128.70888	55.67631	149.19916	16.08861	6.95954	18.64989	7.07E-11	3.02E-08	6.8E-09	2.18E-14	6.59E-14	5.21E-14	2.58E-16	6.24E-15	3.45E-16	6.844E-15	7.072E-11	3.0218E-08	6.80299E-09	2.23212E-14	1.04463E-15	1.11412E-14	1.73803E-16
50	570950.6	4177959	0.55, 41779	0.16375	0.1746	0.15354	137.78687	58.35606	146.62449	21.41966	8.40086	22.62642	7.11E-11	3.13E-08	8.95E-09	2.2E-14	6.63E-14	5.24E-14	2.6E-16	6.28E-15	3.47E-16	6.88483E-15	7.114E-11	3.1325E-08	8.95441E-09	2.24544E-14	1.05086E-15	1.12077E-14	1.7484E-16
51	570990.6	4177959	0.55, 41779	0.1571	0.17611	0.15296	148.41379	62.43724	189.01685	21.20197	10.20575	28.13097	7.14E-11	3.51E-08	9.13E-09	2.2E-14	6.65E-14	5.25E-14	2.61E-16	6.3E-15	3.48E-16	6.90662E-15	7.137E-11	3.5052E-08	9.13095E-09	2.25254E-14	1.05419E-15	1.12432E-14	1.75393E-16
52	571030.6	4177959	0.55, 41779	0.15135	0.1787	0.14372	141.29712	68.4386	198.29024	19.05284	11.40643	25.9054	7.16E-11	3.72E-08	8.23E-09	2.21E-14	6.67E-14	5.27E-14	2.62E-16	6.32E-15	3.49E-16	6.92721E-15	7.158E-11	3.7208E-08	8.23459E-09	2.25926E-14	1.05733E-15	1.12767E-14	1.75916E-16
53	571070.6	4177959	0.55, 41779	0.14838	0.1815	0.13361	143.49488	74.36914	202.29359	18.79197	11.80682	25.2867	7.19E-11	3.94E-08	8.11E-09	2.22E-14	6.7E-14	5.29E-14	2.63E-16	6.35E-15	3.5E-16	6.96064E-15	7.193E-11	3.9443E-08	8.10953E-09	2.27016E-14	1.06244E-15	1.13311E-14	1.76765E-16
54	571110.6	4177959	0.55, 41779	0.14858	0.18375	0.13332	140.62761	73.34522	192.64407	22.74237	10.22286	24.08051	7.27E-11	3.85E-08	9.51E-09	2.24E-14	6.77E-14	5.35E-14	2.65E-16	6.41E-15	3.54E-16	7.03222E-15	7.267E-11	3.8546E-08	9.51002E-09	2.29351E-14	1.07336E-15	1.14476E-14	1.78583E-16
55	571150.6	4177959	0.55, 41779	0.14994	0.18566	0.14292	146.3467	67.83983	199.40983	22.92053	11.48399	30.37919	7.38E-11	3.73E-08	9.87E-09	2.28E-14	6.88E-14	5.43E-14	2.7E-16	6.51E-15	3.6E-16	7.14174E-15	7.38E-11	3.725E-08	9.86958E-09	2.32923E-14	1.09008E-15	1.16259E-14	1.81364E-16
56	571190.6	4177959	0.55, 41779	0.1525	0.18616	0.14359	161.89014	78.97315	204.49698	23.12716	11.84075	29.21385	7.41E-11	4.18E-08	9.89E-09	2.29E-14	6.9E-14	5.45E-14	2.71E-16	6.54E-15	3.61E-16	7.17005E-15	7.409E-11	4.1758E-08	9.89141E-09	2.33846E-14	1.0944E-15	1.1672E-14	1.82083E-16
57	571230.6	4177959	0.55, 41779	0.15542	0.18516	0.1383	156.07845	81.92899	197.17574	22.29692	11.22006	24.64697	7.36E-11	4.22E-08	9.37E-09	2.27E-14	6.86E-14	5.42E-14	2.69E-16	6.5E-15	3.59E-16	7.12464E-15	7.362E-11	4.2179E-08	9.37218E-09	2.32365E-14	1.08747E-15	1.15981E-14	1.8093E-16
58	571270.6	4177959	0.55, 41779	0.15909	0.18379	0.14205	158.42767	82.70179	205.30007	19.80346	11.54254	29.32858	7.35E-11	4.29E-08	8.67E-09	2.27E-14	6.85E-14	5.41E-14	2.68E-16	6.48E-15	3.58E-16	7.11088E-15	7.348E-11	4.2902E-08	8.6711E-09	2.31916E-14	1.08537E-15	1.15757E-14	1.80581E-16
59	571310.6	4177959	0.55, 41779	0.1655	0.18382	0.1484	150.26158	75.50789	204.0765	18.7827	10.48328	25.50956	7.4E-11	4.02E-08	8.12E-09	2.28E-14	6.9E-14	5.45E-14	2.7E-16	6.53E-15	3.61E-16	7.16367E-15	7.403E-11	4.0156E-08	8.11651E-09	2.33638E-14	1.09342E-15	1.16616E-14	1.81921E-16
60	571350.6	4177959	0.55, 41779	0.17654	0.1881	0.15257	154.82597	60.83045	189.56737	19.35325	9.71095	23.69592	7.61E-11	3.48E-08	8.24E-09	2.35E-14	7.09E-14	5.6E-14	2.78E-16	6.71E-15	3.7E-16	7.35965E-15	7.605E-11	3.4784E-08	8.24229E-09	2.4003E-14	1.12334E-15	1.19806E-14	1.86898E-16
61	571390.6	4177959	0.55, 41779	0.18842	0.1934	0.15428	152.92189	54.55359	214.59873	19.11524	9.16318	26.82484	7.83E-11	3.38E-08	8.3E-09	2.42E-14	7.3E-14	5.76E-14	2.86E-16	6.91E-15	3.82E-16	7.58027E-15	7.833E-11	3.3801E-08	8.3005E-09	2.47225E-14	1.15701E-15	1.23398E-14	1.92501E-16
62	571430.6	4177959	0.55, 41779	0.20645	0.20414	0.16292	148.33328	50.38722	217.66749	18.54166	8.09078	27.20844	8.3E-11	3.24E-08	8.11E-09	2.56E-14	7.73E-14	6.11E-14	3.03E-16	7.32E-15	4.04E-16	8.02888E-15	8.297E-11	3.2392E-08	8.10688E-09	2.61856E-14	1.22549E-15	1.30701E-14	2.03893E-16
63	571470.6	4177959	0.55, 41779	0.22554	0.21577	0.17809	134.13897	46.24246	185.84967	16.76737	6.92684	23.23121	8.82E-11	2.9E-08	7.27E-09	2.72E-14	8.22E-14	6.49E-14	3.22E-16	7.79E-15	4.3E-16	8.53934E-15	8.824E-11	2.9004E-08	7.26703E-09	2.78505E-14	1.3034E-15	1.3901E-14	2.16856E-16
64	571510.6	4177959	0.55, 41779	0.24332	0.22654	0.20114	122.33786	38.55117	174.21255	15.29223	6.75463	21.77657	9.36E-11	2.55E-08	6.66E-09	2.89E-14	8.72E-14	6.89E-14	3.42E-16	8.26E-15	4.56E-16	9.05307E-15	9.355E-11	2.5471E-08	6.65519E-09	2.95259E-14	1.38181E-15	1.47373E-14	2.29902E-16
65	571550.6	4177959	0.55, 41779	0.25539	0.23344	0.22684	100.38932	31.1899	131.18831	12.54867	6.13877	16.39854	9.75E-11	2.02E-08	5.39E-09	3.01E-14	9.08E-14	7.17E-14	3.56E-16	8.6E-15	4.75E-16	9.43401E-15	9.749E-11	2.0205E-08	5.39256E-09	3.07683E-14	1.43996E-15	1.53575E-14	2.39576E-16
66	571590.6	4177959	0.55, 41779	0.26174	0.2364	0.25018	103.20811	24.1035	113.64553	12.90101	5.55119	14.20569	9.98E-11	1.71E-08	5.42E-09	3.08E-14	9.3E-14	7.34E-14	3.65E-16	8.81E-15	4.86E-16	9.65726E-15	9.979E-11	1.7143E-08	5.42018E-09	3.14965E-14	1.47403E-15	1.57209E-14	2.45246E-16
67	570310.6	4177999	0.55, 41779	0.08992	0.06909	0.08739	61.55411	26.71644	63.33313	7.69426	4.42886	7.91664	3.03E-11	1.41E-08	3.21E-09	9.36E-15	2.83E-14	2.23E-14	1.11E-16	2.68E-15	1.48E-16	2.93535E-15	3.033E-11	1.4107E-08	3.20671E-09	9.57342E-15	4.48036E-16	4.7784E-15	7.4543E-17
68	570350.6	4177999	0.55, 41779	0.09687	0.07551	0.09431	63.16088	27.72336	68.96816	7.89511	4.52605	8.62102	3.3E-11	1.48E-08	3.31E-09	1.02E-14	3.08E-14	2.43E-14	1.21E-16	2.92E-15	1.61E-16	3.19761E-15	3.304E-11	1.4764E-08	3.31364E-09	1.04288E-14	4.88066E-16	5.20533E-15	8.12032E-17
69	570390.6	4177999	0.55, 41779	0.10411	0.08268	0.10154	65.18315	28.66629	70.59128	8.14789	4.5901	8.82391	3.6E-11	1.52E-08	3.42E-09	1.11E-14	3.36E-14	2.65E-14	1.32E-16	3.18E-15	1.75E-16	3.48637E-15	3.603E-11	1.5227E-08	3.41632E-09	1.13706E-14	5.32142E-16	5.67541E-15	8.85364E-17
70	570430.6	4177999	0.55, 41779	0.11178	0.0909	0.10932	69.77828	29.77159	73.90272	8.72229	4.64595	9.23784	3.94E-11	1.59E-08	3.65E-09	1.22E-14	3.67E-14	2.9E-14	1.44E-16	3.48E-15	1.92E-16	3.81285E-15	3.94E-11	1.592E-08	3.64745E-09	1.24353E-14	5.81974E-16	6.20688E-15	9.68273E-17
71	570470.6	4177999	0.55, 41779	0.11947	0.09994	0.11702	73.23749	30.82615	79.61188	9.15469	4.70414	9.95148	4.3E-11	1.67E-08	3.84E-09	1.33E-14	4.01E-14	3.17E-14	1.57E-16	3.8E-15	2.1E-16	4.16534E-15	4.304E-11	1.6665E-08	3.8402E-09	1.3585E-14	6.35777E-16	6.78069E-15	1.05779E-16
72	570510.6	4177999	0.55, 41779	0.12689	0.1096	0.1248	83.36058	31.87471	86.19643	10.42007	5.00665	10.77455	4.69E-11	1.77E-08	4.35E-09	1.45E-14	4.37E-14	3.45E-14	1.71E-16	4.14E-15	2.28E-16	4.53711E-15	4.688E-11	1.7697E-08	4.34522E-09	1.47974E-14	6.92521E-16	7.38588E-15	1.1522E-16
73	570550.6	4177999	0.55, 41779	0.1338	0.11968	0.13227	93.92369	33.13511	96.59692	11.74046	5.30601	12.07462	5.08E-11	1.9E-08	4.89E-09	1.57E-14	4.74E-14	3.74E-14	1.86E-16	4.49E-15	2.48E-16	4.9191E-15	5.083E-11	1.8995E-08	4.89279E-09	1.60433E-14	7.50826E-16	8.00772E-15	1.2492E-16
74	570590.6	4177999	0.55, 41779	0.14077	0.13095	0.13895	98.98148	34.43475	100.81152	12.37268	5.77536	12.60144	5.51E-11	1.98E-08	5.15E-09	1.7E-14	5.14E-14	4.06E-14	2.01E-16	4.87E-15	2.69E-16	5.33591E-15	5.514E-11	1.9811E-08	5.15051E-09	1.74027E-14	8.14446E-16	8.68624E-15	1.35505E-16
75	570630.6	4177999	0.55, 41779	0.14863	0.14246	0.14416	96.29887	35.58815	97.29546	12.03736	6.62596	12.16193	5.95E-11	1.99E-08	5.01E-09	1.84E-14	5.54E-14	4.38E-14	2.17E-16	5.25E-15	2.9E-16	5.757E-15	5.949E-11	1.9929E-08	5.00635E-09	1.8776E-14	8.78718E-16	9.37172E-15	1.46199E-16
76	570670.6	4177999	0.55, 41779	0.15906	0.15417	0.15133	108.0953	37.02771	115.61321	13.51191	7.37805	14.45165	6.41E-11	2.17E-08	5.66E-09	1.98E-14	5.97E-14	4.72E-14	2.34E-16	5.66E-15	3.12E-16	6.20263E-15	6.41E-11	2.1701E-08	5.65693E-09	2.02294E-14	9.46738E-16	1.00972E-14	1.57516E-16
77	570710.6	4177999	0.55, 41779	0.17207	0.16581	0.16328	109.21603	39.28347	116.55796	14.39109	8.06843	17.60456	6.9E-11	2.25E-08	6.13E-09	2.13E-14	6.43E-14	5.08E-14	2.52E-16	6.09E-15	3.36E-16	6.67692E-15	6.9E-11	2.2534E-08	6.12824E-09	2.17763E-14	1.01913E-15	1.08692E-14	1.6956E-16
78	570750.6	4177999	0.55, 41779	0.18601	0.17706	0.17647	119.66853	46.10023	126.10142	14.95857	8.7788	16.77146	7.39E-11	2.56E-08	6.3E-09	2.28E-14	6.88E-14	5.44E-14	2.7E-16	6.52E-15	3.6E-16	7.14766E-15	7.386E-11	2.5629E-08	6.29864E-09	2.33116E-14	1.09098E-15	1.16355E-14	1.81515E-16
79	570790.6	4177999	0.55, 41779	0.19953	0.18772	0.18696	122.67556	49.8289	134.57394	15.33445	9.45426	16.82174	7.84E-11	2.74E-08	6.44E-09	2.42E-14	7.3E-14	5.77E-14	2.86E-16	6.92E-15	3.82E-16	7.58576E-15	7.839E-11	2.7372E-08	6.43959E-09	2.47404E-14	1.15785E-15	1.23487E-14	1.9264E-16
80	570830.6	4177999	0.55, 41779	0.21109	0.19773	0.1968	133.54261	52.4094	148.58094	16.69283	9.90962	18.57262	8.26E-11	2.93E-08	7.02E-09	2.55E-14	7.7E-14	6.08E-14	3.02E-16	7.29E-15	4.02E-16	7.993E-15	8.26E-11	2.9287E-08	7.0222E-09	2.60686E-14	1.22001E-15	1.30117E-14	2.02982E-16
81	570870.6	4177999	0.55, 41779	0.21804	0.20674	0.20398	131.45449	55.15858	156.57352	16.43181	9.77159	19.57169	8.62E-11	3.05E-08	6.97E-09	2.66E-14	8.03E-14	6.34E-14	3.15E-16	7.6E-15	4.2E-16	8.33951E-15	8.618E-11	3.0493E-08	6.97256E-09	2.71987E-14	1.2729E-15	1.35757E-14	2.11782E-16
82	570910.6	4177999	0.55, 41779	0.21803	0.21414	0.20286	148.11273	59.13207	173.84644	18.51409	8.43226	21.73081	8.86E-11	3.32E-08	7.84E-09	2.73E-14	8.25E-14	6.52E-14	3.24E-16	7.82E-15	4.31E-16	8.57177E-15	8.858E-11	3.3238E-08	7.84116E-09	2.79562E-14	1.30835E-15	1.39538E-14	2.1768E-16
83	570950.6	4177999	0.55, 41779	0.2114	0.21889	0.19586	140.12444	63.58464	170.21851	21.83562	9.32684	21.27731	8.96E-11	3.42E-08	9.04E-09	2.76E-14	8.35E-14	6.59E-14	3.27E-16	7.9E-15	4.36E-16	8.66857E-15	8.958E-11	3.4246E-08	9.04486E-09	2.82719E-14	1.32313E-15	1.41114E-14	2.20138E-16
84	570990.6	4177999	0.55, 41779	0.2013	0.22185	0.19061	171.25011	67.61488	221.4052	25.43318	11.18299	33.45295	8.99E-11	3.91E-08	1.09E-08	2.78E-14	8.38E-14	6.62E-14	3.29E-16	7.94E-15	4.38E-16	8.70333E-15	8.994E-11	3.9131E-08	1.09396E-08	2.83853E-14	1.32843E-15	1.4168E-14	2.21021E-16
85	571030.6	4177999	0.55, 41779	0.19301	0.22456	0.1804	161.4506	75.02365	233.40135	21.94671	12.50394	33.34305	9E-11	4.18E-08	9.65E-09	2.78E-14	8.39E-14	6.63E-14	3.29E-16	7.95E-15	4.39E-16	8.71421E-15	9.005E-11	4.1781E-08	9.64875E-09	2.84208E-14	1.33009E-15	1.41857E-14	2.21297E-16
86	571070.6	4177999	0.55, 41779	0.18927	0.22808	0.16676	165.36156	82.48884	231.46597	21.97245	12.95225	28.93325	9.04E-11	4.43E-08	9.45E-09	2.79E-14	8.43E-14	6.66E-14	3.3E-16	7.98E-15	4.41E-16	8.75202E-15	9.044E-11	4.4311E-08	9.4525E-09	2.85441E-14	1.33586E-15	1.42473E-14	2.22257E-16
87	571110.6	4177999	0.55, 41779	0.18141	0.21619	0.16049	158.60632	80.72549	237.56536	25.62624	11.81551	29.69982	8.59E-11	4.38E-08	1.08E-08	2.65E-14	8E-14	6.32E-14	3.14E-16	7.58E-15	4.19E-16	8.31396E-15	8.591E-11	4.3759E-08	1.08357E-08	2.71154E-14	1.269E-15	1.35342E-14	2.11133E-16
88	571150.6	4177999	0.55, 41779	0.19202	0.23351	0.18032	164.05988	80.42402	231.86209	24.96785	14.13496	37.65816	9.3E-11	4.36E-08	1.1E-08	2.87E-14	8.66E-14	6.84E-14	3.4E-16	8.2E-15	4.53E-16	8.99734E-15	9.297E-11	4.3596E-08	1.09642E-08	2.93442E-14	1.37331E-15	1.46466E-14	2.28487E-16
89	571190.6	4177999	0.55, 41779	0.1978	0.23414	0.17819	182.21875	91.74664	241.78028	26.03125	13.21695	31.92825	9.33E-11	4.85E-08	1.11E-08	2.88E-14	8.69E-14	6.87E-14	3.41E-16	8.23E-15	4.54E-16	9.02881E-15	9.33E-11	4.849E-08	1.1089E-08	2.94468E-14	1.37811E-15	1.46978E-14	2.29286E-16
90	571230.6	4177999	0.55, 41779	0.20367	0.23289	0.17473	172.67663	91.69738	231.55794	22.62496	13.85272	33.07971	9.29E-11	4.76E-08	9.89E-09	2.87E-14	8.66E-14	6.84E-14	3.4E-16	8.2E-15	4.53E-16	8.99429E-15	9.294E-11	4.764E-08	9.88658E-09	2.93342E-14	1.37284E-15	1.46417E-14	2.2841E-16
91	571270.6	4177999	0.55, 41779	0.21358	0.23476	0.18394	171.66845	86.35935	210.57834	21.45856	13.01074	28.58393	9.44E-11	4.49E-08	9.25E-09	2.91E-14	8.79E-14	6.94E-14	3.45E-16	8.33E-15	4.6E-16	9.13165E-15	9.436E-11	4.4855E-08	9.2467E-09	2.97822E-14	1.39381E-15	1.48653E-14	2.31898E-16
92	571310.6	4177999	0.55, 41779	0.23025	0.24083	0.19159	171.26207	72.34733	231.62674	21.40776	11.81711	28.95334	9.74E-11	4.12E-08	9.25E-09	3E-14	9.07E-14	7.16E-14	3.56E-16	8.59E-15	4.74E-16	9.42109E-15	9.735E-11	4.1177E-08	9.2452E-09	3.07262E-14	1.43799E-15	1.53364E-14	2.39248E-16
93	571350.6	4177999	0.55, 41779	0.25373	0.25254	0.198	169.27826	60.68614	249.61103	21.15978	11.13084	31.20138	1.02E-10	3.81E-08	9.26E-09	3.16E-14	9.54E-14	7.54E-14	3.74E-16	9.04E-15	4.99E-16	9.91042E-15	1.024E-10	3.8077E-08	9.25864E-09	3.23221E-14	1.51268E-15	1.6133E-14	2.51675E-16
94	571390.6	4177999	0.55, 41779	0.27999	0.26698	0.21185	164.13881	55.69534	253.30621	20.51735	9.69774	31.66328	1.09E-10	3.64E-08	9.04E-09	3.36E-14	1.01E-13	8.01E-14	3.98E-16	9.6E-15	5.3E-16	1.0531E-14	1.088E-10	3.6404E-08	9.04328E-09	3.4346E-14	1.60739E-15	1.71432E-14	2.67433E-16
95	571430.6	4177999	0.55, 41779	0.30187	0.27888	0.2328	148.06777	50.74185	217.39094	18.50847	8.30154	27.17387	1.15E-10	3.25E-08	8.09E-09	3.54E-14	1.07E-13	8.43E-14	4.19E-16	1.01E-14	5.58E-16	1.10863E-14	1.146E-10	3.2487E-08	8.09303E-09	3.6157E-14	1.69215E-15	1.80471E-14	2.81535E-16
96	571470.6	4177999	0.55, 41779	0.32222	0.29016	0.268	133.22849	41.8567	195.88733	16.65356	8.00082	24.48592	1.21E-10	2.8E-08	7.28E-09	3.72E-14	1.12E-13	8.88E-14	4.41E-16	1.07E-14	5.88E-16	1.16805E-14	1.207E-10	2.7985E-08	7.2836E-09	3.8095E-14	1.78285E-15	1.90144E-14	2.96625E-16
97	571510.6	4177999	0.55, 41779	0.33311	0.29527	0.30394	113.25391	33.39085	138.27651	14.15674	7.16119	17.28456	1.24E-10	2.17E-08	6.03E-09	3.84E-14	1.16E-13	9.16E-14	4.55E-16	1.1E-14	6.06E-16	1.2046E-14	1.245E-10	2.1745E-08	6.02689E-09	3.92871E-14	1.83864E-15	1.96094E-14	3.05907E-16
98	571550.6	4177999	0.55, 41779	0.33431	0.29408	0.33024	118.79132	25.19774	142.42424	14.84891	6.75336	17.80303	1.25E-10	1.94E-08	6.31E-09	3.87E-14	1.17E-13	9.23E-14	4.58E-16	1.11E-14	6.11E-16	1.21309E-14	1.254E-10	1.943E-08	6.30633E-09	3.9564E-14	1.85159E-15	1.97477E-14	3.08063E-16
99	571590.6	4177999	0.55, 41779	0.32897	0.28857	0.34209	117.12124	19.87515	150.29933	14.64016	6.7762	18.78742	1.24E-10	1.8E-08	6.28E-09	3.82E-14	1.15E-13	9.12E-14	4.53E-16	1.09E-14	6.03E-16	1.19884E-14	1.239E-10	1.7971E-08	6.27527E-09	3.90992E-14	1.82984E-15	1.95157E-14	3.04444E-16
100	570310.6	4178039	0.55, 41780	0.09395	0.07118	0.09114	60.38117	27.45867	68.75884	7.54765	4.57644	8.59485	3.14E-11	1.46E-08	3.18E-09	9.67E-15	2.92E-14	2.31E-14	1.15E-16	2.77E-15	1.53E-16	3.03387E-15	3.135E-11	1.4562E-08	3.18429E-09	9.89474E-15	4.63074E-16	4.93878E-15	7.7045E-17
101	570350.6	4178039	0.55, 41780	0.10181	0.07823	0.09867	67.40685	28.30867	69.9761	8.42586	4.71811	8.74701	3.43E-11	1.52E-08	3.52E-09	1.06E-14	3.2E-14	2.53E-14	1.25E-16	3.03E-15	1.67E-16	3.32238E-15	3.433E-11	1.5163E-08	3.51524E-09	1.08357E-14	5.07111E-16	5.40844E-15	8.43717E-17
102	570390.6	4178039	0.55, 41780	0.11033	0.08626	0.10708	70.86935	29.39362	77.00767	8.85867	4.86131	9.62596	3.77E-11	1.6E-08	3.72E-09	1.16E-14	3.51E-14	2.77E-14	1.38E-16	3.33E-15	1.84E-16	3.64868E-15	3.77E-11	1.598E-08	3.71585E-09	1.18999E-14	5.56915E-16	5.93962E-15	9.26581E-17
103	570430.6	4178039	0.55, 41780	0.11935	0.09539	0.11615	72.77771	30.53752	78.92837	9.09721	4.99157	9.86605	4.15E-11	1.65E-08	3.82E-09	1.28E-14	3.87E-14	3.05E-14	1.52E-16	3.66E-15	2.02E-16	4.01505E-15	4.149E-11	1.652E-08	3.81501E-09	1.30948E-14	6.12836E-16	6.53602E-15	1.01962E-16
104	570470.6	4178039	0.55, 41780	0.12876	0.10583	0.1256	77.88414	31.78332	83.40463	9.73552	5.12346	10.42558	4.57E-11	1.73E-08	4.08E-09	1.41E-14	4.26E-14	3.37E-14	1.67E-16	4.04E-15	2.23E-16	4.42655E-15	4.574E-11	1.7332E-08	4.0765E-09	1.44369E-14	6.75646E-16	7.20591E-15	1.12412E-16
105	570510.6	4178039	0.55, 41780	0.13797	0.11733	0.13491	81.61557	33.05226	90.60057	10.20195	5.27698	11.32507	5.03E-11	1.82E-08	4.29E-09	1.55E-14	4.69E-14	3.7E-14	1.84E-16	4.44E-15	2.45E-16	4.87071E-15	5.033E-11	1.8228E-08	4.29047E-09	1.58855E-14	7.43439E-16	7.92894E-15	1.23691E-16
106	570550.6	4178039	0.55, 41780	0.14677	0.12979	0.14418	83.22783	34.40977	92.92473	10.40348	5.64664	11.61559	5.52E-11	1.88E-08	4.38E-09	1.7E-14	5.15E-14	4.06E-14	2.02E-16	4.87E-15	2.69E-16	5.34399E-15	5.522E-11	1.8846E-08	4.37834E-09	1.7429E-14	8.15679E-16	8.69939E-15	1.3571E-16
107	570590.6	4178039	0.55, 41780	0.15543	0.14397	0.15331	100.7883	35.81672	104.85134	12.59854	6.05306	13.10642	6.07E-11	2.05E-08	5.26E-09	1.87E-14	5.65E-14	4.47E-14	2.22E-16	5.35E-15	2.96E-16	5.8713E-15	6.067E-11	2.0525E-08	5.25735E-09	1.91488E-14	8.96165E-16	9.55779E-15	1.49102E-16
108	570630.6	4178039	0.55, 41780	0.16446	0.15887	0.16086	114.63184	37.47906	118.86748	14.32898	6.85921	14.85844	6.63E-11	2.22E-08	5.98E-09	2.05E-14	6.18E-14	4.88E-14	2.42E-16	5.85E-15	3.23E-16	6.41591E-15	6.63E-11	2.2246E-08	5.97722E-09	2.0925E-14	9.79292E-16	1.04444E-14	1.62932E-16
109	570670.6	4178039	0.55, 41780	0.17604	0.17458	0.16859	120.19022	39.09251	122.97013	15.02378	7.81169	15.37127	7.23E-11	2.32E-08	6.26E-09	2.23E-14	6.74E-14	5.32E-14	2.64E-16	6.38E-15	3.52E-16	6.99652E-15	7.23E-11	2.318E-08	6.25736E-09	2.28187E-14	1.06791E-15	1.13895E-14	1.77677E-16
110	570710.6	4178039	0.55, 41780	0.19156	0.191	0.18153	122.05191	40.81454	130.55962	15.86896	8.63568	17.88475	7.89E-11	2.42E-08	6.69E-09	2.44E-14	7.35E-14	5.81E-14	2.88E-16	6.96E-15	3.84E-16	7.63766E-15	7.892E-11	2.4174E-08	6.6863E-09	2.49097E-14	1.16577E-15	1.24332E-14	1.93958E-16
111	570750.6	4178039	0.55, 41780	0.2105	0.20761	0.19902	132.53323	47.68084	144.79481	16.56665	9.43658	19.64627	8.6E-11	2.75E-08	7.03E-09	2.65E-14	8.01E-14	6.33E-14	3.14E-16	7.59E-15	4.19E-16	8.31779E-15	8.595E-11	2.7505E-08	7.02576E-09	2.71279E-14	1.26958E-15	1.35404E-14	2.1123E-16
112	570790.6	4178039	0.55, 41780	0.23169	0.22417	0.21523	139.552	52.7884	147.64201	17.444	10.33029	19.40572	9.3E-11	2.96E-08	7.34E-09	2.87E-14	8.66E-14	6.84E-14	3.4E-16	8.21E-15	4.53E-16	8.99866E-15	9.299E-11	2.9593E-08	7.33807E-09	2.93485E-14	1.37351E-15	1.46488E-14	2.28521E-16
113	570830.6	4178039	0.55, 41780	0.25382	0.24067	0.23208	145.24751	55.81087	161.73262	18.15594	11.28689	20.21658	1E-10	3.15E-08	7.64E-09	3.09E-14	9.32E-14	7.36E-14	3.66E-16	8.83E-15	4.87E-16	9.68389E-15	1.001E-10	3.1465E-08	7.63844E-09	3.15833E-14	1.4781E-15	1.57642E-14	2.45922E-16
114	570870.6	4178039	0.55, 41780	0.27385	0.25672	0.25028	159.27674	59.06353	181.66903	19.90959	12.04587	22.70863	1.07E-10	3.4E-08	8.4E-09	3.3E-14	9.97E-14	7.87E-14	3.91E-16	9.44E-15	5.21E-16	1.03532E-14	1.07E-10	3.3996E-08	8.40139E-09	3.37662E-14	1.58026E-15	1.68538E-14	2.62919E-16
115	570910.6	4178039	0.55, 41780	0.28498	0.272	0.26185	154.31681	63.03506	190.144	19.2896	11.80173	23.768	1.13E-10	3.55E-08	8.22E-09	3.49E-14	1.05E-13	8.32E-14	4.13E-16	9.97E-15	5.5E-16	1.09357E-14	1.13E-10	3.5523E-08	8.22218E-09	3.56661E-14	1.66917E-15	1.78021E-14	2.77713E-16
116	570950.6	4178039	0.55, 41780	0.28313	0.28254	0.2606	178.15221	69.82475	214.80591	22.26903	10.41815	26.85074	1.16E-10	3.98E-08	9.46E-09	3.59E-14	1.08E-13	8.56E-14	4.25E-16	1.03E-14	5.67E-16	1.12615E-14	1.164E-10	3.9814E-08	9.46471E-09	3.67285E-14	1.71889E-15	1.83324E-14	2.85985E-16
117	570990.6	4178039	0.55, 41780	0.27042	0.28832	0.24711	188.87787	74.10995	223.28286	29.14051	12.35166	34.29706	1.17E-10	4.2E-08	1.23E-08	3.62E-14	1.09E-13	8.62E-14	4.28E-16	1.03E-14	5.71E-16	1.134E-14	1.172E-10	4.203E-08	1.23461E-08	3.69848E-14	1.73089E-15	1.84603E-14	2.8798E-16
118	571030.6	4178039	0.55, 41780	0.25749	0.29249	0.23391	188.96663	83.29257	277.8919	26.99523	13.88209	39.69884	1.17E-10	4.76E-08	1.18E-08	3.62E-14	1.09E-13	8.65E-14	4.29E-16	1.04E-14	5.72E-16	1.13675E-14	1.175E-10	4.7624E-08	1.1807E-08	3.70743E-14	1.73508E-15	1.8505E-14	2.88677E-16
119	571070.6	4178039	0.55, 41780	0.25163	0.29646	0.21613	192.59035	92.57991	271.23553	26.01862	14.40126	34.27332	1.18E-10	5.05E-08	1.12E-08	3.63E-14	1.1E-13	8.66E-14	4.3E-16	1.04E-14	5.74E-16	1.13934E-14	1.177E-10	5.0527E-08	1.11937E-08	3.71587E-14	1.73903E-15	1.85471E-14	2.89335E-16
120	571110.6	4178039	0.55, 41780	0.23996	0.28057	0.20816	179.79911	89.13384	295.00102	29.33997	15.522	36.88643	1.12E-10	5E-08	1.25E-08	3.45E-14	1.04E-13	8.22E-14	4.08E-16	9.85E-15	5.44E-16	1.08056E-14	1.117E-10	5.0016E-08	1.25404E-08	3.52417E-14	1.64931E-15	1.75903E-14	2.74408E-16
121	571150.6	4178039	0.55, 41780	0.25767	0.30302	0.23363	202.30498	100.11261	284.90591	28.90071	16.95197	47.48432	1.21E-10	5.4E-08	1.29E-08	3.73E-14	1.13E-13	8.9E-14	4.42E-16	1.07E-14	5.89E-16	1.17046E-14	1.209E-10	5.4024E-08	1.28729E-08	3.81738E-14	1.78653E-15	1.90538E-14	2.97239E-16
122	571190.6	4178039	0.55, 41780	0.27122	0.30641	0.22867	194.68377	101.89225	297.80862	27.81197	16.7188	37.22608	1.22E-10	5.49E-08	1.2E-08	3.78E-14	1.14E-13	9E-14	4.47E-16	1.08E-14	5.96E-16	1.18399E-14	1.223E-10	5.4932E-08	1.19928E-08	3.8615E-14	1.80718E-15	1.9274E-14	3.00674E-16
123	571230.6	4178039	0.55, 41780	0.28804	0.31092	0.2326	196.84209	99.06119	294.63263	24.60526	16.26482	42.09038	1.25E-10	5.39E-08	1.1E-08	3.85E-14	1.16E-13	9.17E-14	4.55E-16	1.1E-14	6.07E-16	1.20631E-14	1.247E-10	5.3926E-08	1.10372E-08	3.93428E-14	1.84124E-15	1.96372E-14	3.06341E-16
124	571270.6	4178039	0.55, 41780	0.31661	0.32283	0.24843	191.8709	85.51951	280.99547	23.98386	14.63938	35.12443	1.3E-10	4.86E-08	1.05E-08	4.02E-14	1.22E-13	9.6E-14	4.76E-16	1.15E-14	6.35E-16	1.26197E-14	1.304E-10	4.8616E-08	1.04831E-08	4.11583E-14	1.92621E-15	2.05434E-14	3.20478E-16
125	571310.6	4178039	0.55, 41780	0.35598	0.34149	0.26147	189.38373	68.10225	290.04443	23.67297	13.72977	36.25555	1.39E-10	4.32E-08	1.04E-08	4.28E-14	1.29E-13	1.02E-13	5.07E-16	1.22E-14	6.76E-16	1.34193E-14	1.387E-10	4.3172E-08	1.04212E-08	4.37661E-14	2.04825E-15	2.18451E-14	3.40783E-16
126	571350.6	4178039	0.55, 41780	0.39399	0.35989	0.2835	182.95784	62.01914	299.45287	22.86973	11.81322	37.43161	1.47E-10	4.14E-08	1.02E-08	4.54E-14	1.37E-13	1.08E-13	5.38E-16	1.3E-14	7.17E-16	1.42462E-14	1.472E-10	4.1355E-08	1.01799E-08	4.6463E-14	2.17447E-15	2.31912E-14	3.61782E-16
127	571390.6	4178039	0.55, 41780	0.4222	0.3733	0.32107	164.47464	56.17724	258.72398	20.55933	10.13431	32.3405	1.54E-10	3.68E-08	9.09E-09	4.77E-14	1.44E-13	1.14E-13	5.64E-16	1.36E-14	7.52E-16	1.49479E-14	1.545E-10	3.6829E-08	9.09036E-09	4.87513E-14	2.28156E-15	2.43334E-14	3.796E-16
128	571430.6	4178039	0.55, 41780	0.44026	0.38105	0.3744	146.31006	45.8458	221.86738	18.28876	9.60517	27.73342	1.6E-10	3.1E-08	8.04E-09	4.94E-14	1.49E-13	1.18E-13	5.85E-16	1.41E-14	7.8E-16	1.55024E-14	1.602E-10	3.1007E-08	8.03811E-09	5.05601E-14	2.36621E-15	2.52361E-14	3.93684E-16
129	571470.6	4178039	0.55, 41780	0.44344	0.3799	0.42037	134.05635	35.96521	154.66668	16.75704	8.42199	19.33334	1.62E-10	2.41E-08	7.08E-09	5E-14	1.51E-13	1.19E-13	5.92E-16	1.43E-14	7.9E-16	1.56846E-14	1.621E-10	2.414E-08	7.08137E-09	5.11541E-14	2.39401E-15	2.55327E-14	3.9831E-16
130	571510.6	4178039	0.55, 41780	0.43369	0.37075	0.44522	135.2804	26.4112	176.84451	16.91005	8.14543	22.10556	1.6E-10	2.21E-08	7.27E-09	4.93E-14	1.49E-13	1.18E-13	5.84E-16	1.41E-14	7.79E-16	1.54681E-14	1.598E-10	2.2053E-08	7.26713E-09	5.0448E-14	2.36097E-15	2.51802E-14	3.92812E-16
131	571550.6	4178039	0.55, 41780	0.4157	0.35641	0.44493	128.00174	25.24959	172.96462	16.00022	7.84928	21.62058	1.54E-10	2.12E-08	6.91E-09	4.76E-14	1.44E-13	1.14E-13	5.64E-16	1.36E-14	7.52E-16	1.49419E-14	1.544E-10	2.1216E-08	6.90899E-09	4.87318E-14	2.28065E-15	2.43236E-14	3.79448E-16
132	571590.6	4178039	0.55, 41780	0.38889	0.33646	0.4222	114.21376	28.264	151.26331	14.27672	7.21894	18.90791	1.46E-10	2.07E-08	6.15E-09	4.5E-14	1.36E-13	1.07E-13	5.32E-16	1.29E-14	7.1E-16	1.41025E-14	1.457E-10	2.0688E-08	6.14687E-09	4.59943E-14	2.15253E-15	2.29572E-14	3.58133E-16
133	570310.6	4178079	0.55, 41780	0.09792	0.07296	0.09477	71.40728	28.01469	77.09789	8.92591	4.66912	9.63724	3.23E-11	1.55E-08	3.74E-09	9.95E-15	3.01E-14	2.37E-14	1.18E-16	2.85E-15	1.57E-16	3.12169E-15	3.226E-11	1.5547E-08	3.74117E-09	1.01812E-14	4.76478E-16	5.08174E-15	7.92752E-17
134	570350.6	4178079	0.55, 41780	0.1067	0.08065	0.10312	70.03301	29.10671	80.22931	8.75413	4.85112	10.02866	3.55E-11	1.6E-08	3.7E-09	1.1E-14	3.31E-14	2.61E-14	1.3E-16	3.13E-15	1.73E-16	3.43775E-15	3.552E-11	1.6004E-08	3.69609E-09	1.1212E-14	5.24721E-16	5.59626E-15	8.73016E-17
135	570390.6	4178079	0.55, 41780	0.11641	0.08948	0.11242	73.93226	30.15719	77.81828	9.24153	5.0262	9.72728	3.92E-11	1.64E-08	3.86E-09	1.21E-14	3.66E-14	2.89E-14	1.43E-16	3.46E-15	1.91E-16	3.79803E-15	3.925E-11	1.6385E-08	3.86176E-09	1.2387E-14	5.79711E-16	6.18274E-15	9.64508E-17
136	570430.6	4178079	0.55, 41780	0.12715	0.09969	0.12302	79.99098	31.34254	86.52141	9.99887	5.20891	10.81518	4.35E-11	1.74E-08	4.19E-09	1.34E-14	4.06E-14	3.2E-14	1.59E-16	3.84E-15	2.12E-16	4.21215E-15	4.353E-11	1.741E-08	4.19179E-09	1.37376E-14	6.42921E-16	6.85689E-15	1.06968E-16
137	570470.6	4178079	0.55, 41780	0.13857	0.11144	0.13449	81.53824	32.65768	88.86509	10.19228	5.39019	11.10814	4.84E-11	1.8E-08	4.28E-09	1.49E-14	4.51E-14	3.56E-14	1.77E-16	4.27E-15	2.36E-16	4.68206E-15	4.838E-11	1.8013E-08	4.27679E-09	1.52702E-14	7.14645E-16	7.62185E-15	1.18901E-16
138	570510.6	4178079	0.55, 41780	0.15049	0.12507	0.14657	87.75299	34.11951	95.20757	10.96912	5.60116	11.90095	5.39E-11	1.9E-08	4.6E-09	1.66E-14	5.02E-14	3.97E-14	1.97E-16	4.76E-15	2.63E-16	5.21683E-15	5.391E-11	1.9026E-08	4.60024E-09	1.70143E-14	7.96269E-16	8.49238E-15	1.32481E-16
139	570550.6	4178079	0.55, 41780	0.16198	0.14034	0.1583	91.64015	35.64897	104.22382	11.45502	5.99366	13.02798	5.99E-11	2.01E-08	4.83E-09	1.85E-14	5.59E-14	4.41E-14	2.19E-16	5.29E-15	2.92E-16	5.80106E-15	5.995E-11	2.0098E-08	4.83201E-09	1.89197E-14	8.85444E-16	9.44345E-15	1.47318E-16
140	570590.6	4178079	0.55, 41780	0.17272	0.15744	0.16968	88.35639	37.38874	105.88084	11.57204	6.46071	13.23511	6.65E-11	2.06E-08	4.88E-09	2.05E-14	6.2E-14	4.9E-14	2.43E-16	5.87E-15	3.24E-16	6.4397E-15	6.654E-11	2.063E-08	4.88482E-09	2.10026E-14	9.82923E-16	1.04831E-14	1.63536E-16
141	570630.6	4178079	0.55, 41780	0.1831	0.1763	0.17984	101.08083	39.23196	114.54818	12.6351	7.02353	14.31852	7.37E-11	2.21E-08	5.33E-09	2.27E-14	6.86E-14	5.42E-14	2.69E-16	6.5E-15	3.59E-16	7.12798E-15	7.366E-11	2.212E-08	5.32739E-09	2.32474E-14	1.08798E-15	1.16035E-14	1.81015E-16
142	570670.6	4178079	0.55, 41780	0.19537	0.19687	0.18849	125.63761	41.20021	131.91916	15.7047	8.22231	16.4899	8.13E-11	2.45E-08	6.56E-09	2.51E-14	7.58E-14	5.99E-14	2.97E-16	7.18E-15	3.96E-16	7.87112E-15	8.134E-11	2.4499E-08	6.56065E-09	2.56711E-14	1.20141E-15	1.28133E-14	1.99887E-16
143	570710.6	4178079	0.55, 41780	0.21241	0.21933	0.20096	144.38379	43.29239	151.59141	18.04797	9.29195	18.94893	9E-11	2.68E-08	7.54E-09	2.78E-14	8.39E-14	6.62E-14	3.29E-16	7.94E-15	4.38E-16	8.70936E-15	9E-11	2.681E-08	7.53948E-09	2.84049E-14	1.32935E-15	1.41778E-14	2.21174E-16
144	570750.6	4178079	0.55, 41780	0.23537	0.24332	0.2221	149.96792	48.92505	154.1756	18.74599	10.23	23.04389	9.98E-11	2.9E-08	7.99E-09	3.08E-14	9.3E-14	7.34E-14	3.65E-16	8.81E-15	4.86E-16	9.65719E-15	9.979E-11	2.9006E-08	7.98794E-09	3.14962E-14	1.47402E-15	1.57208E-14	2.45244E-16
145	570790.6	4178079	0.55, 41780	0.26445	0.26867	0.24585	159.48841	56.15329	178.05216	19.93605	11.24377	22.79466	1.1E-10	3.29E-08	8.42E-09	3.41E-14	1.03E-13	8.12E-14	4.03E-16	9.74E-15	5.38E-16	1.06825E-14	1.104E-10	3.2871E-08	8.41516E-09	3.48403E-14	1.63053E-15	1.73899E-14	2.71283E-16
146	570830.6	4178079	0.55, 41780	0.30001	0.29551	0.27029	164.85959	59.75168	177.78875	20.60745	12.43332	22.22359	1.22E-10	3.43E-08	8.64E-09	3.76E-14	1.13E-13	8.96E-14	4.45E-16	1.07E-14	5.93E-16	1.17822E-14	1.218E-10	3.4252E-08	8.6361E-09	3.84268E-14	1.79837E-15	1.918E-14	2.99208E-16
147	570870.6	4178079	0.55, 41780	0.34051	0.32416	0.30185	178.96906	63.85658	203.22306	22.37113	13.91568	25.40288	1.34E-10	3.73E-08	9.43E-09	4.14E-14	1.25E-13	9.88E-14	4.9E-16	1.18E-14	6.54E-16	1.29899E-14	1.342E-10	3.7326E-08	9.43481E-09	4.23656E-14	1.98271E-15	2.1146E-14	3.29878E-16
148	570910.6	4178079	0.55, 41780	0.37529	0.35313	0.33459	192.82824	68.49057	229.7632	24.10353	15.26079	28.7204	1.47E-10	4.06E-08	1.02E-08	4.53E-14	1.37E-13	1.08E-13	5.36E-16	1.29E-14	7.14E-16	1.41925E-14	1.467E-10	4.0617E-08	1.02284E-08	4.62879E-14	2.16627E-15	2.31038E-14	3.60419E-16
149	570950.6	4178079	0.55, 41780	0.39192	0.37725	0.35493	199.56835	75.56845	241.42387	26.9715	14.65967	30.17798	1.56E-10	4.38E-08	1.14E-08	4.82E-14	1.46E-13	1.15E-13	5.71E-16	1.38E-14	7.61E-16	1.51181E-14	1.562E-10	4.3758E-08	1.1354E-08	4.93064E-14	2.30754E-15	2.46104E-14	3.83922E-16
150	570990.6	4178079	0.55, 41780	0.38624	0.39167	0.34038	209.52387	83.72546	270.89556	31.32288	13.79848	33.86195	1.6E-10	4.82E-08	1.31E-08	4.94E-14	1.49E-13	1.18E-13	5.85E-16	1.41E-14	7.8E-16	1.54944E-14	1.601E-10	4.8209E-08	1.31305E-08	5.05337E-14	2.36498E-15	2.5223E-14	3.93479E-16
151	571030.6	4178079	0.55, 41780	0.36706	0.40059	0.31708	238.62537	94.19927	346.28961	34.73297	15.69988	52.33117	1.61E-10	5.63E-08	1.52E-08	4.98E-14	1.5E-13	1.19E-13	5.89E-16	1.42E-14	7.86E-16	1.5606E-14	1.613E-10	5.6284E-08	1.52497E-08	5.08978E-14	2.38202E-15	2.54047E-14	3.96314E-16
152	571070.6	4178079	0.55, 41780	0.35702	0.41066	0.29659	228.92087	105.90077	368.47625	31.45005	16.61116	46.05953	1.63E-10	6.08E-08	1.37E-08	5.04E-14	1.52E-13	1.2E-13	5.96E-16	1.44E-14	7.95E-16	1.58002E-14	1.633E-10	6.0835E-08	1.37465E-08	5.15312E-14	2.41166E-15	2.57209E-14	4.01246E-16
153	571110.6	4178079	0.55, 41780	0.35812	0.41418	0.29542	212.64364	104.08221	374.64105	34.6648	20.98986	46.90606	1.64E-10	5.99E-08	1.5E-08	5.07E-14	1.53E-13	1.21E-13	6.01E-16	1.45E-14	8.01E-16	1.59118E-14	1.644E-10	5.9912E-08	1.49715E-08	5.18952E-14	2.42869E-15	2.59025E-14	4.0408E-16
154	571150.6	4178079	0.55, 41780	0.37758	0.42317	0.31748	239.48451	117.47672	371.65504	34.21207	20.38272	60.67868	1.69E-10	6.52E-08	1.54E-08	5.22E-14	1.58E-13	1.24E-13	6.18E-16	1.49E-14	8.24E-16	1.637E-14	1.692E-10	6.5214E-08	1.54471E-08	5.33897E-14	2.49864E-15	2.66485E-14	4.15716E-16
155	571190.6	4178079	0.55, 41780	0.41277	0.43447	0.31013	228.77572	115.09155	359.73847	28.66724	20.67403	44.96731	1.74E-10	6.35E-08	1.27E-08	5.37E-14	1.62E-13	1.28E-13	6.35E-16	1.53E-14	8.47E-16	1.68264E-14	1.739E-10	6.3468E-08	1.26694E-08	5.4878E-14	2.56829E-15	2.73914E-14	4.27306E-16
156	571230.6	4178079	0.55, 41780	0.46673	0.45732	0.33128	219.54291	100.98995	305.404	27.44286	18.56894	43.62914	1.84E-10	5.59E-08	1.22E-08	5.69E-14	1.72E-13	1.36E-13	6.74E-16	1.63E-14	8.99E-16	1.78497E-14	1.844E-10	5.5915E-08	1.21554E-08	5.82154E-14	2.72448E-15	2.90572E-14	4.53292E-16
157	571270.6	4178079	0.55, 41780	0.53318	0.48578	0.3586	215.1929	81.06645	332.5769	26.89911	17.27973	41.57211	1.98E-10	5.04E-08	1.19E-08	6.1E-14	1.84E-13	1.45E-13	7.22E-16	1.74E-14	9.63E-16	1.91259E-14	1.976E-10	5.0417E-08	1.18589E-08	6.23776E-14	2.91927E-15	3.11347E-14	4.85701E-16
158	571310.6	4178079	0.55, 41780	0.58671	0.50689	0.39805	205.97464	69.75551	363.05687	25.74683	14.70822	45.38211	2.08E-10	4.77E-08	1.16E-08	6.43E-14	1.94E-13	1.53E-13	7.62E-16	1.84E-14	1.02E-15	2.01744E-14	2.085E-10	4.7746E-08	1.16118E-08	6.57974E-14	3.07932E-15	3.28416E-14	5.12328E-16
159	571350.6	4178079	0.55, 41780	0.61439	0.51569	0.46686	184.46358	62.8789	316.33591	23.05795	12.5762	39.54199	2.16E-10	4.25E-08	1.03E-08	6.65E-14	2.01E-13	1.59E-13	7.88E-16	1.9E-14	1.05E-15	2.08673E-14	2.156E-10	4.2484E-08	1.03477E-08	6.80572E-14	3.18508E-15	3.39695E-14	5.29924E-16
160	571390.6	4178079	0.55, 41780	0.61879	0.51229	0.54521	162.6235	50.78632	251.98298	20.32794	11.67282	31.49787	2.18E-10	3.47E-08	8.97E-09	6.74E-14	2.03E-13	1.61E-13	7.98E-16	1.93E-14	1.06E-15	2.11279E-14	2.183E-10	3.4658E-08	8.96572E-09	6.8907E-14	3.22485E-15	3.43937E-14	5.36542E-16
161	571430.6	4178079	0.55, 41780	0.60477	0.49855	0.60294	157.24404	39.05995	207.2573	19.65551	9.99401	25.90716	2.16E-10	2.85E-08	8.46E-09	6.66E-14	2.01E-13	1.59E-13	7.89E-16	1.91E-14	1.05E-15	2.08972E-14	2.159E-10	2.8484E-08	8.45692E-09	6.81547E-14	3.18964E-15	3.40182E-14	5.30683E-16
162	571470.6	4178079	0.55, 41780	0.57311	0.47467	0.61341	152.07991	30.59352	215.52596	19.00999	9.68796	26.94074	2.07E-10	2.59E-08	8.27E-09	6.4E-14	1.93E-13	1.53E-13	7.57E-16	1.83E-14	1.01E-15	2.00642E-14	2.073E-10	2.5871E-08	8.2671E-09	6.54378E-14	3.06249E-15	3.26621E-14	5.09529E-16
163	571510.6	4178079	0.55, 41780	0.53465	0.44658	0.58613	137.55383	33.88214	191.36045	17.19423	8.95455	23.92006	1.95E-10	2.53E-08	7.46E-09	6.03E-14	1.82E-13	1.44E-13	7.14E-16	1.72E-14	9.51E-16	1.89011E-14	1.953E-10	2.5292E-08	7.45658E-09	6.16446E-14	2.88497E-15	3.07688E-14	4.79993E-16
164	571550.6	4178079	0.55, 41780	0.48548	0.41212	0.53241	120.13532	36.07438	157.49519	15.01691	7.90342	19.6869	1.8E-10	2.38E-08	6.46E-09	5.54E-14	1.67E-13	1.32E-13	6.56E-16	1.58E-14	8.75E-16	1.73757E-14	1.796E-10	2.3788E-08	6.45617E-09	5.66696E-14	2.65214E-15	2.82856E-14	4.41256E-16
165	571590.6	4178079	0.55, 41780	0.43445	0.37558	0.47142	108.95419	37.19094	141.55637	13.61927	6.74143	17.69455	1.63E-10	2.3E-08	5.85E-09	5.02E-14	1.52E-13	1.2E-13	5.94E-16	1.44E-14	7.93E-16	1.5744E-14	1.627E-10	2.2997E-08	5.84782E-09	5.1348E-14	2.40309E-15	2.56294E-14	3.99819E-16
166	570310.6	4178119	0.55, 41781	0.10149	0.07442	0.09774	69.0748	28.05035	78.28908	8.63435	4.67506	9.78613	3.3E-11	1.55E-08	3.64E-09	1.02E-14	3.08E-14	2.43E-14	1.21E-16	2.91E-15	1.61E-16	3.19482E-15	3.301E-11	1.5528E-08	3.6406E-09	1.04197E-14	4.87641E-16	5.20079E-15	8.11324E-17
167	570350.6	4178119	0.55, 41781	0.11138	0.08273	0.10725	79.07973	29.62524	82.98136	9.88497	4.93754	10.37267	3.66E-11	1.66E-08	4.13E-09	1.13E-14	3.41E-14	2.69E-14	1.34E-16	3.23E-15	1.78E-16	3.54002E-15	3.658E-11	1.6642E-08	4.12915E-09	1.15455E-14	5.4033E-16	5.76273E-15	8.98986E-17
168	570390.6	4178119	0.55, 41781	0.12249	0.09237	0.11775	81.81771	30.97041	92.38822	10.22721	5.16174	11.54853	4.07E-11	1.76E-08	4.31E-09	1.26E-14	3.79E-14	2.99E-14	1.49E-16	3.59E-15	1.98E-16	3.93675E-15	4.068E-11	1.7629E-08	4.31021E-09	1.28394E-14	6.00885E-16	6.40856E-15	9.99736E-17
169	570430.6	4178119	0.55, 41781	0.13492	0.10362	0.12964	81.48606	32.23138	89.13007	10.18576	5.3719	11.14126	4.54E-11	1.79E-08	4.28E-09	1.4E-14	4.23E-14	3.34E-14	1.66E-16	4.01E-15	2.21E-16	4.39616E-15	4.543E-11	1.7882E-08	4.27593E-09	1.43378E-14	6.71007E-16	7.15643E-15	1.1164E-16
170	570470.6	4178119	0.55, 41781	0.14882	0.11683	0.14311	90.82614	33.6686	97.62505	11.35327	5.5932	12.20313	5.1E-11	1.91E-08	4.76E-09	1.57E-14	4.75E-14	3.75E-14	1.86E-16	4.5E-15	2.48E-16	4.93088E-15	5.095E-11	1.9104E-08	4.756E-09	1.60817E-14	7.52624E-16	8.0269E-15	1.2522E-16
171	570510.6	4178119	0.55, 41781	0.16361	0.13228	0.15796	92.34034	35.20886	102.68913	11.54254	5.82093	12.83614	5.73E-11	1.99E-08	4.86E-09	1.77E-14	5.34E-14	4.22E-14	2.09E-16	5.06E-15	2.79E-16	5.54689E-15	5.732E-11	1.9907E-08	4.85533E-09	1.80908E-14	8.46649E-16	9.02969E-15	1.40863E-16
172	570550.6	4178119	0.55, 41781	0.17911	0.1505	0.17388	100.11195	36.92243	110.21215	12.51399	6.33987	13.77652	6.47E-11	2.11E-08	5.26E-09	2E-14	6.03E-14	4.76E-14	2.36E-16	5.71E-15	3.15E-16	6.25915E-15	6.468E-11	2.1116E-08	5.25744E-09	2.04138E-14	9.55364E-16	1.01892E-14	1.58951E-16
173	570590.6	4178119	0.55, 41781	0.19374	0.17125	0.18923	103.74737	38.76233	121.67682	12.96842	6.89651	15.2096	7.28E-11	2.24E-08	5.49E-09	2.25E-14	6.78E-14	5.36E-14	2.66E-16	6.43E-15	3.55E-16	7.04683E-15	7.282E-11	2.2396E-08	5.49188E-09	2.29827E-14	1.07559E-15	1.14714E-14	1.78954E-16
174	570630.6	4178119	0.55, 41781	0.2069	0.19483	0.20326	104.63966	41.01094	121.05227	13.84797	7.49161	15.13153	8.18E-11	2.31E-08	5.81E-09	2.52E-14	7.62E-14	6.02E-14	2.99E-16	7.22E-15	3.98E-16	7.91402E-15	8.178E-11	2.3146E-08	5.81258E-09	2.5811E-14	1.20796E-15	1.28831E-14	2.00976E-16
175	570670.6	4178119	0.55, 41781	0.21998	0.22122	0.21442	115.58367	43.51142	138.36153	15.0671	8.60459	17.29519	9.15E-11	2.52E-08	6.36E-09	2.82E-14	8.53E-14	6.74E-14	3.34E-16	8.08E-15	4.46E-16	8.85809E-15	9.154E-11	2.5191E-08	6.36309E-09	2.889E-14	1.35205E-15	1.44199E-14	2.24951E-16
176	570710.6	4178119	0.55, 41781	0.23703	0.25104	0.22497	127.12041	45.98226	134.54184	16.41254	9.96819	16.81773	1.03E-10	2.63E-08	6.84E-09	3.16E-14	9.55E-14	7.55E-14	3.75E-16	9.05E-15	5E-16	9.92376E-15	1.025E-10	2.6262E-08	6.83697E-09	3.23656E-14	1.51471E-15	1.61547E-14	2.52014E-16
177	570750.6	4178119	0.55, 41781	0.26187	0.28441	0.24496	163.41699	49.64069	173.69321	20.42712	11.18287	24.67477	1.15E-10	3.07E-08	8.68E-09	3.56E-14	1.08E-13	8.5E-14	4.22E-16	1.02E-14	5.62E-16	1.1174E-14	1.155E-10	3.0656E-08	8.68396E-09	3.64434E-14	1.70555E-15	1.819E-14	2.83765E-16
178	570790.6	4178119	0.55, 41781	0.29707	0.32177	0.27572	189.30326	59.79186	203.13563	23.66291	12.3939	25.39195	1.31E-10	3.64E-08	9.91E-09	4.03E-14	1.22E-13	9.61E-14	4.77E-16	1.15E-14	6.36E-16	1.26384E-14	1.306E-10	3.636E-08	9.91067E-09	4.12191E-14	1.92905E-15	2.05738E-14	3.20951E-16
179	570830.6	4178119	0.55, 41781	0.34574	0.3643	0.31009	193.11502	64.55328	210.79637	24.13938	13.76558	26.34955	1.48E-10	3.84E-08	1.01E-08	4.57E-14	1.38E-13	1.09E-13	5.41E-16	1.31E-14	7.22E-16	1.43334E-14	1.481E-10	3.8438E-08	1.0131E-08	4.67475E-14	2.18778E-15	2.33332E-14	3.63997E-16
180	570870.6	4178119	0.55, 41781	0.41228	0.41342	0.35667	202.8381	69.60981	241.64288	25.35476	15.49628	31.6123	1.69E-10	4.19E-08	1.08E-08	5.22E-14	1.58E-13	1.24E-13	6.18E-16	1.49E-14	8.24E-16	1.63596E-14	1.691E-10	4.1916E-08	1.08248E-08	5.33556E-14	2.49704E-15	2.66315E-14	4.15451E-16
181	570910.6	4178119	0.55, 41781	0.49003	0.46844	0.41739	224.50761	75.3478	268.49725	28.06345	17.99511	33.56216	1.93E-10	4.59E-08	1.19E-08	5.96E-14	1.8E-13	1.42E-13	7.05E-16	1.7E-14	9.4E-16	1.86793E-14	1.93E-10	4.5879E-08	1.19146E-08	6.09211E-14	2.85111E-15	3.04077E-14	4.74359E-16
182	570950.6	4178119	0.55, 41781	0.55455	0.52056	0.48015	237.44511	82.6149	307.44591	31.19836	20.61697	38.43074	2.16E-10	5.06E-08	1.33E-08	6.65E-14	2.01E-13	1.59E-13	7.88E-16	1.9E-14	1.05E-15	2.08674E-14	2.156E-10	5.0588E-08	1.32978E-08	6.80574E-14	3.18509E-15	3.39696E-14	5.29926E-16
183	570990.6	4178119	0.55, 41781	0.59019	0.56679	0.49805	260.70129	98.30209	347.94815	39.14578	18.7176	43.49352	2.33E-10	5.85E-08	1.65E-08	7.19E-14	2.17E-13	1.72E-13	8.52E-16	2.06E-14	1.14E-15	2.25597E-14	2.331E-10	5.8545E-08	1.64647E-08	7.35768E-14	3.4434E-15	3.67246E-14	5.72903E-16
184	571030.6	4178119	0.55, 41781	0.58003	0.59593	0.46436	288.08817	110.38847	394.82286	43.41155	19.84321	60.28631	2.41E-10	6.58E-08	1.88E-08	7.43E-14	2.24E-13	1.77E-13	8.8E-16	2.13E-14	1.17E-15	2.33055E-14	2.408E-10	6.576E-08	1.88212E-08	7.60094E-14	3.55724E-15	3.79387E-14	5.91844E-16
185	571070.6	4178119	0.55, 41781	0.56003	0.61401	0.43624	281.59163	124.26135	479.69295	39.26934	23.95732	65.06151	2.45E-10	7.41E-08	1.75E-08	7.55E-14	2.28E-13	1.8E-13	8.94E-16	2.16E-14	1.19E-15	2.36863E-14	2.448E-10	7.4075E-08	1.75165E-08	7.7251E-14	3.61535E-15	3.85584E-14	6.01512E-16
186	571110.6	4178119	0.55, 41781	0.57497	0.62965	0.42923	279.23237	138.16088	507.21032	41.39356	27.39628	63.69191	2.5E-10	7.99E-08	1.82E-08	7.72E-14	2.33E-13	1.84E-13	9.14E-16	2.21E-14	1.22E-15	2.42102E-14	2.502E-10	7.9878E-08	1.82359E-08	7.89598E-14	3.69532E-15	3.94114E-14	6.14818E-16
187	571150.6	4178119	0.55, 41781	0.64473	0.65929	0.45591	273.06399	137.55558	506.75735	37.77228	27.34359	77.75635	2.64E-10	7.94E-08	1.76E-08	8.14E-14	2.46E-13	1.94E-13	9.64E-16	2.33E-14	1.29E-15	2.55333E-14	2.638E-10	7.9426E-08	1.75567E-08	8.32751E-14	3.89727E-15	4.15652E-14	6.48418E-16
188	571190.6	4178119	0.55, 41781	0.76806	0.70549	0.46182	260.36357	120.74038	479.78233	32.90288	24.49294	68.54033	2.84E-10	7.21E-08	1.53E-08	8.76E-14	2.65E-13	2.09E-13	1.04E-15	2.51E-14	1.38E-15	2.74873E-14	2.84E-10	7.212E-08	1.53311E-08	8.96478E-14	4.19552E-15	4.47461E-14	6.98039E-16
189	571230.6	4178119	0.55, 41781	0.88147	0.74364	0.51839	250.38438	100.21062	435.42985	31.29805	22.32262	54.42873	3.04E-10	6.29E-08	1.41E-08	9.37E-14	2.83E-13	2.23E-13	1.11E-15	2.68E-14	1.48E-15	2.93759E-14	3.036E-10	6.2874E-08	1.40809E-08	9.58075E-14	4.48379E-15	4.78206E-14	7.46001E-16
190	571270.6	4178119	0.55, 41781	0.94057	0.75526	0.59724	235.31349	80.57107	462.41399	29.41419	18.81416	57.80175	3.13E-10	5.71E-08	1.35E-08	9.67E-14	2.92E-13	2.31E-13	1.14E-15	2.76E-14	1.53E-15	3.03181E-14	3.133E-10	5.7061E-08	1.35436E-08	9.88803E-14	4.6276E-15	4.93543E-14	7.69927E-16
191	571310.6	4178119	0.55, 41781	0.94266	0.74202	0.72716	211.76846	71.48368	401.12341	26.47106	15.9259	50.14043	3.15E-10	5.03E-08	1.21E-08	9.72E-14	2.94E-13	2.32E-13	1.15E-15	2.78E-14	1.53E-15	3.04876E-14	3.15E-10	5.0311E-08	1.21008E-08	9.9433E-14	4.65346E-15	4.96302E-14	7.74231E-16
192	571350.6	4178119	0.55, 41781	0.90909	0.71255	0.85266	184.59351	57.17412	286.57244	23.07419	14.42847	35.82155	3.1E-10	3.92E-08	1.02E-08	9.56E-14	2.89E-13	2.28E-13	1.13E-15	2.73E-14	1.51E-15	2.99877E-14	3.099E-10	3.9209E-08	1.01802E-08	9.78027E-14	4.57717E-15	4.88165E-14	7.61537E-16
193	571390.6	4178119	0.55, 41781	0.85308	0.67145	0.90336	182.88204	42.90716	275.98695	22.86025	12.27464	34.49837	2.97E-10	3.39E-08	1E-08	9.15E-14	2.76E-13	2.18E-13	1.08E-15	2.62E-14	1.44E-15	2.8696E-14	2.965E-10	3.3923E-08	1.00395E-08	9.35901E-14	4.38002E-15	4.67138E-14	7.28735E-16
194	571430.6	4178119	0.55, 41781	0.78	0.62166	0.86624	169.0522	41.64549	252.50347	21.13153	11.39175	31.56293	2.76E-10	3.19E-08	9.27E-09	8.5E-14	2.57E-13	2.03E-13	1.01E-15	2.43E-14	1.34E-15	2.66675E-14	2.756E-10	3.1893E-08	9.26509E-09	8.69742E-14	4.07039E-15	4.34116E-14	6.77221E-16
195	571470.6	4178119	0.55, 41781	0.69763	0.567	0.77646	144.82238	43.55007	199.26025	18.1028	10.0864	24.90753	2.5E-10	2.91E-08	7.84E-09	7.72E-14	2.33E-13	1.84E-13	9.14E-16	2.21E-14	1.22E-15	2.42115E-14	2.502E-10	2.9136E-08	7.8377E-09	7.8964E-14	3.69552E-15	3.94135E-14	6.1485E-16
196	571510.6	4178119	0.55, 41781	0.61632	0.51188	0.67545	129.07456	44.20691	173.84445	16.93315	8.5721	21.73056	2.24E-10	2.76E-08	7.26E-09	6.92E-14	2.09E-13	1.65E-13	8.19E-16	1.98E-14	1.09E-15	2.16938E-14	2.242E-10	2.758E-08	7.25816E-09	7.07528E-14	3.31123E-15	3.5315E-14	5.50914E-16
197	571550.6	4178119	0.55, 41781	0.53701	0.45659	0.57828	116.13448	43.6354	149.52645	16.99831	7.6971	20.20244	1.98E-10	2.58E-08	7.21E-09	6.12E-14	1.85E-13	1.46E-13	7.25E-16	1.75E-14	9.66E-16	1.91953E-14	1.984E-10	2.5773E-08	7.21089E-09	6.2604E-14	2.92987E-15	3.12476E-14	4.87463E-16
198	571590.6	4178119	0.55, 41781	0.46599	0.40463	0.49394	103.06511	42.01095	133.93422	16.60125	6.75955	20.50745	1.75E-10	2.4E-08	7.08E-09	5.39E-14	1.63E-13	1.28E-13	6.38E-16	1.54E-14	8.5E-16	1.68914E-14	1.745E-10	2.4019E-08	7.0787E-09	5.509E-14	2.57821E-15	2.74972E-14	4.28956E-16
199	570310.6	4178159	0.55, 41781	0.10452	0.07557	0.10002	83.14681	27.07322	89.45551	10.39335	4.47805	11.18194	3.36E-11	1.62E-08	4.35E-09	1.04E-14	3.13E-14	2.47E-14	1.23E-16	2.97E-15	1.64E-16	3.25294E-15	3.361E-11	1.625E-08	4.35438E-09	1.06092E-14	4.96513E-16	5.29541E-15	8.26084E-17
200	570350.6	4178159	0.55, 41781	0.1156	0.08446	0.11071	83.51332	29.37807	93.62995	10.43917	4.89635	11.70374	3.75E-11	1.72E-08	4.4E-09	1.16E-14	3.49E-14	2.76E-14	1.37E-16	3.31E-15	1.83E-16	3.62637E-15	3.747E-11	1.7222E-08	4.39562E-09	1.18271E-14	5.5351E-16	5.9033E-15	9.20915E-17
201	570390.6	4178159	0.55, 41781	0.12828	0.09489	0.12282	85.72091	31.44775	90.10823	10.71511	5.24129	11.26353	4.2E-11	1.78E-08	4.48E-09	1.3E-14	3.91E-14	3.09E-14	1.53E-16	3.7E-15	2.04E-16	4.06138E-15	4.197E-11	1.7826E-08	4.47684E-09	1.32459E-14	6.19907E-16	6.61144E-15	1.03139E-16
202	570430.6	4178159	0.55, 41781	0.14269	0.1072	0.13639	94.53138	33.159	104.73347	11.81642	5.5265	13.09168	4.72E-11	1.94E-08	4.97E-09	1.46E-14	4.4E-14	3.48E-14	1.73E-16	4.17E-15	2.3E-16	4.56952E-15	4.722E-11	1.9405E-08	4.96825E-09	1.49032E-14	6.97469E-16	7.43865E-15	1.16043E-16
203	570470.6	4178159	0.55, 41781	0.15906	0.12183	0.15182	91.68652	34.69147	109.10852	11.46082	5.78191	13.63857	5.34E-11	2E-08	4.86E-09	1.65E-14	4.98E-14	3.93E-14	1.95E-16	4.71E-15	2.6E-16	5.16756E-15	5.34E-11	2.0011E-08	4.86263E-09	1.68536E-14	7.8875E-16	8.41219E-15	1.3123E-16
204	570510.6	4178159	0.55, 41781	0.17738	0.13933	0.16931	103.8828	36.49731	110.76271	12.98535	6.04456	13.84534	6.07E-11	2.11E-08	5.43E-09	1.87E-14	5.66E-14	4.47E-14	2.22E-16	5.36E-15	2.96E-16	5.874E-15	6.07E-11	2.1142E-08	5.43447E-09	1.91576E-14	8.96576E-16	9.56218E-15	1.4917E-16
205	570550.6	4178159	0.55, 41781	0.19733	0.16029	0.18927	106.21161	38.46337	121.82569	13.27645	6.62676	15.22821	6.93E-11	2.24E-08	5.61E-09	2.14E-14	6.46E-14	5.1E-14	2.53E-16	6.12E-15	3.38E-16	6.70845E-15	6.932E-11	2.2396E-08	5.60633E-09	2.18791E-14	1.02394E-15	1.09206E-14	1.70361E-16
206	570590.6	4178159	0.55, 41781	0.21794	0.18524	0.21062	115.65264	40.48441	129.80552	14.45658	7.37316	16.22569	7.94E-11	2.38E-08	6.09E-09	2.45E-14	7.39E-14	5.84E-14	2.9E-16	7E-15	3.87E-16	7.67953E-15	7.936E-11	2.3791E-08	6.08806E-09	2.50462E-14	1.17216E-15	1.25014E-14	1.95022E-16
207	570630.6	4178159	0.55, 41781	0.23707	0.21436	0.23118	118.44365	42.79741	144.28442	14.80546	8.08317	18.03555	9.07E-11	2.53E-08	6.3E-09	2.8E-14	8.45E-14	6.67E-14	3.31E-16	8E-15	4.42E-16	8.77546E-15	9.068E-11	2.5337E-08	6.30115E-09	2.86205E-14	1.33944E-15	1.42854E-14	2.22852E-16
208	570670.6	4178159	0.55, 41781	0.25383	0.24795	0.24882	124.95922	45.84094	144.90734	15.6199	8.90031	18.11342	1.03E-10	2.66E-08	6.61E-09	3.19E-14	9.62E-14	7.6E-14	3.77E-16	9.11E-15	5.03E-16	9.99301E-15	1.033E-10	2.6618E-08	6.60512E-09	3.25915E-14	1.52528E-15	1.62674E-14	2.53772E-16
209	570710.6	4178159	0.55, 41781	0.27135	0.28697	0.26135	131.25248	49.29697	162.49426	17.47805	10.6966	20.31178	1.17E-10	2.88E-08	7.39E-09	3.62E-14	1.09E-13	8.64E-14	4.29E-16	1.04E-14	5.72E-16	1.13644E-14	1.174E-10	2.8819E-08	7.3929E-09	3.70642E-14	1.7346E-15	1.84999E-14	2.88599E-16
210	570750.6	4178159	0.55, 41781	0.29528	0.33222	0.27619	146.48828	52.90094	155.94977	21.86848	12.23914	22.93785	1.34E-10	3.03E-08	9.13E-09	4.14E-14	1.25E-13	9.86E-14	4.9E-16	1.18E-14	6.53E-16	1.29692E-14	1.34E-10	3.0277E-08	9.13445E-09	4.22981E-14	1.97955E-15	2.11123E-14	3.29352E-16
211	570790.6	4178159	0.55, 41781	0.33253	0.38536	0.30655	168.4296	63.37031	207.44804	22.18934	13.75991	31.3643	1.54E-10	3.7E-08	9.65E-09	4.77E-14	1.44E-13	1.14E-13	5.64E-16	1.36E-14	7.52E-16	1.49452E-14	1.544E-10	3.6968E-08	9.6459E-09	4.87428E-14	2.28116E-15	2.43291E-14	3.79534E-16
212	570830.6	4178159	0.55, 41781	0.39122	0.44987	0.34708	226.40986	70.88867	244.94075	28.30123	15.58224	30.61759	1.8E-10	4.34E-08	1.19E-08	5.55E-14	1.68E-13	1.32E-13	6.57E-16	1.59E-14	8.76E-16	1.74093E-14	1.799E-10	4.3373E-08	1.18649E-08	5.67792E-14	2.65727E-15	2.83403E-14	4.42109E-16
213	570870.6	4178159	0.55, 41781	0.48272	0.53035	0.408	262.06298	76.1106	293.39264	32.75787	17.58972	36.67408	2.13E-10	4.87E-08	1.38E-08	6.57E-14	1.98E-13	1.57E-13	7.78E-16	1.88E-14	1.04E-15	2.05962E-14	2.128E-10	4.8695E-08	1.37909E-08	6.7173E-14	3.1437E-15	3.35282E-14	5.2304E-16
214	570910.6	4178159	0.55, 41781	0.61652	0.63133	0.50366	261.24493	84.17228	335.42472	32.65562	20.33398	41.92809	2.56E-10	5.33E-08	1.4E-08	7.89E-14	2.38E-13	1.88E-13	9.34E-16	2.26E-14	1.25E-15	2.47502E-14	2.558E-10	5.3298E-08	1.39983E-08	8.0721E-14	3.77774E-15	4.02904E-14	6.28531E-16
215	570950.6	4178159	0.55, 41781	0.78722	0.75662	0.63069	286.12528	93.97029	373.71712	38.09436	25.30252	46.71464	3.1E-10	5.93E-08	1.62E-08	9.55E-14	2.88E-13	2.28E-13	1.13E-15	2.73E-14	1.51E-15	2.99589E-14	3.096E-10	5.926E-08	1.62273E-08	9.77087E-14	4.57277E-15	4.87695E-14	7.60805E-16
216	570990.6	4178159	0.55, 41781	0.95557	0.89576	0.74297	303.7283	113.02353	445.40224	49.39935	30.83627	55.67528	3.67E-10	6.96E-08	2.08E-08	1.13E-13	3.42E-13	2.7E-13	1.34E-15	3.24E-14	1.79E-15	3.55367E-14	3.672E-10	6.9577E-08	2.08142E-08	1.159E-13	5.42413E-15	5.78495E-14	9.02453E-16
217	571030.6	4178159	0.55, 41781	1.0701	1.00768	0.7637	365.27865	135.92516	512.48146	63.89384	29.33742	70.31034	4.1E-10	8.26E-08	2.68E-08	1.26E-13	3.82E-13	3.01E-13	1.5E-15	3.61E-14	2E-15	3.96337E-14	4.096E-10	8.2594E-08	2.6842E-08	1.29262E-13	6.04948E-15	6.4519E-14	1.0065E-15
218	571070.6	4178159	0.55, 41781	1.06935	1.07923	0.71312	382.13438	155.20031	662.82772	54.74849	37.25068	94.68967	4.31E-10	9.66E-08	2.46E-08	1.33E-13	4.01E-13	3.17E-13	1.57E-15	3.8E-14	2.1E-15	4.16975E-14	4.309E-10	9.6626E-08	2.46069E-08	1.35993E-13	6.36449E-15	6.78787E-14	1.05891E-15
219	571110.6	4178159	0.55, 41781	1.19831	1.16186	0.6846	373.85472	174.62021	736.75515	53.40782	39.37776	93.09067	4.62E-10	1.06E-07	2.4E-08	1.43E-13	4.31E-13	3.4E-13	1.69E-15	4.08E-14	2.25E-15	4.4749E-14	4.624E-10	1.062E-07	2.40379E-08	1.45946E-13	6.83026E-15	7.28461E-14	1.1364E-15
220	571150.6	4178159	0.55, 41781	1.53671	1.26322	0.72724	331.2731	149.81574	693.97089	50.26616	34.67292	96.78528	5.1E-10	9.44E-08	2.31E-08	1.57E-13	4.75E-13	3.75E-13	1.86E-15	4.5E-14	2.48E-15	4.93507E-14	5.1E-10	9.4396E-08	2.30518E-08	1.60954E-13	7.53263E-15	8.03371E-14	1.25326E-15
221	571190.6	4178159	0.55, 41781	1.71324	1.27647	0.80447	303.51531	125.05743	565.89383	43.45807	29.97586	80.84198	5.25E-10	7.92E-08	1.98E-08	1.62E-13	4.89E-13	3.86E-13	1.92E-15	4.63E-14	2.56E-15	5.0762E-14	5.245E-10	7.9179E-08	1.97974E-08	1.65556E-13	7.74804E-15	8.26345E-14	1.2891E-15
222	571230.6	4178159	0.55, 41781	1.67997	1.21931	0.99011	277.00255	96.22407	622.39581	36.53844	24.95569	77.79948	5.13E-10	7.13E-08	1.71E-08	1.58E-13	4.78E-13	3.78E-13	1.87E-15	4.53E-14	2.5E-15	4.96466E-14	5.13E-10	7.1269E-08	1.71037E-08	1.61919E-13	7.57779E-15	8.08188E-14	1.26077E-15
223	571270.6	4178159	0.55, 41781	1.56347	1.13234	1.265	251.98402	83.18585	536.39129	31.498	20.71301	67.04891	4.93E-10	6.2E-08	1.47E-08	1.52E-13	4.59E-13	3.63E-13	1.8E-15	4.35E-14	2.4E-15	4.76774E-14	4.927E-10	6.2001E-08	1.47434E-08	1.55496E-13	7.27723E-15	7.76132E-14	1.21077E-15
224	571310.6	4178159	0.55, 41781	1.42012	1.03692	1.45126	223.09845	65.85457	360.16353	27.88731	18.21453	45.02044	4.64E-10	4.7E-08	1.24E-08	1.43E-13	4.33E-13	3.42E-13	1.7E-15	4.1E-14	2.26E-15	4.494E-14	4.644E-10	4.6957E-08	1.23842E-08	1.46569E-13	6.85941E-15	7.31571E-14	1.14125E-15
225	571350.6	4178159	0.55, 41781	1.26306	0.93714	1.42084	212.7442	53.05659	355.96566	26.59303	15.01468	44.49571	4.24E-10	4.21E-08	1.19E-08	1.31E-13	3.95E-13	3.12E-13	1.55E-15	3.74E-14	2.07E-15	4.1035E-14	4.24E-10	4.2133E-08	1.18825E-08	1.33833E-13	6.26337E-15	6.68002E-14	1.04208E-15
226	571390.6	4178159	0.55, 41781	1.10199	0.83709	1.24864	185.92823	54.01949	274.01244	23.24103	13.29114	34.25155	3.77E-10	3.76E-08	1.02E-08	1.16E-13	3.51E-13	2.77E-13	1.38E-15	3.33E-14	1.84E-15	3.64668E-14	3.768E-10	3.7628E-08	1.01684E-08	1.18934E-13	5.5661E-15	5.93636E-14	9.26072E-16
227	571430.6	4178159	0.55, 41781	0.9418	0.73869	1.04204	159.26436	53.60229	222.79179	21.61583	11.2268	27.84897	3.29E-10	3.41E-08	9.27E-09	1.01E-13	3.06E-13	2.42E-13	1.2E-15	2.9E-14	1.6E-15	3.17993E-14	3.286E-10	3.4104E-08	9.27041E-09	1.03711E-13	4.85368E-15	5.17655E-14	8.07542E-16
228	571470.6	4178159	0.55, 41781	0.79447	0.64516	0.85663	139.92539	51.85557	187.30754	21.06215	9.90602	27.91527	2.83E-10	3.11E-08	9.07E-09	8.75E-14	2.64E-13	2.09E-13	1.04E-15	2.5E-14	1.38E-15	2.74301E-14	2.834E-10	3.1148E-08	9.06932E-09	8.94614E-14	4.18679E-15	4.46531E-14	6.96588E-16
229	571510.6	4178159	0.55, 41781	0.67282	0.56206	0.7111	120.25585	49.92459	159.61818	19.96311	8.50885	26.60303	2.45E-10	2.85E-08	8.6E-09	7.55E-14	2.28E-13	1.8E-13	8.94E-16	2.16E-14	1.19E-15	2.36683E-14	2.446E-10	2.8482E-08	8.60282E-09	7.71926E-14	3.61261E-15	3.85293E-14	6.01057E-16
230	571550.6	4178159	0.55, 41781	0.57423	0.48972	0.59807	110.64777	47.57404	144.95635	18.4413	7.31081	24.15939	2.12E-10	2.67E-08	7.93E-09	6.53E-14	1.97E-13	1.56E-13	7.73E-16	1.87E-14	1.03E-15	2.04817E-14	2.116E-10	2.6661E-08	7.92762E-09	6.67995E-14	3.12622E-15	3.33418E-14	5.20131E-16
231	571590.6	4178159	0.55, 41781	0.49292	0.42713	0.50772	100.4908	44.5532	128.72625	16.74847	6.44552	21.45437	1.84E-10	2.45E-08	7.18E-09	5.67E-14	1.71E-13	1.35E-13	6.71E-16	1.62E-14	8.95E-16	1.77725E-14	1.837E-10	2.4523E-08	7.17717E-09	5.79639E-14	2.71271E-15	2.89316E-14	4.51333E-16
232	570310.6	4178199	0.55, 41781	0.10691	0.07648	0.10208	81.28791	24.55019	79.664	10.16099	3.94128	9.958	3.41E-11	1.49E-08	4.21E-09	1.05E-14	3.18E-14	2.51E-14	1.25E-16	3.01E-15	1.66E-16	3.30006E-15	3.41E-11	1.4888E-08	4.21159E-09	1.07629E-14	5.03705E-16	5.37212E-15	8.3805E-17
233	570350.6	4178199	0.55, 41781	0.11881	0.08587	0.11329	92.41038	27.80697	96.15133	11.5513	4.55912	12.01892	3.82E-11	1.72E-08	4.82E-09	1.18E-14	3.56E-14	2.81E-14	1.39E-16	3.37E-15	1.86E-16	3.69484E-15	3.818E-11	1.7151E-08	4.82043E-09	1.20504E-14	5.63961E-16	6.01476E-15	9.38302E-17
234	570390.6	4178199	0.55, 41781	0.13286	0.09703	0.12666	98.9418	30.67703	108.4605	12.36772	5.11284	13.55756	4.3E-11	1.89E-08	5.19E-09	1.33E-14	4.01E-14	3.17E-14	1.57E-16	3.8E-15	2.1E-16	4.16389E-15	4.303E-11	1.8921E-08	5.19328E-09	1.35802E-14	6.35555E-16	6.77833E-15	1.05742E-16
235	570430.6	4178199	0.55, 41781	0.14935	0.11037	0.14231	98.24021	33.47488	112.67373	12.28003	5.57915	14.08422	4.88E-11	2E-08	5.19E-09	1.51E-14	4.55E-14	3.59E-14	1.78E-16	4.31E-15	2.38E-16	4.72198E-15	4.879E-11	2.0018E-08	5.18552E-09	1.54004E-14	7.20739E-16	7.68684E-15	1.19915E-16
236	570470.6	4178199	0.55, 41781	0.1686	0.12646	0.16043	107.25905	35.76824	115.05444	13.40738	5.96137	14.38181	5.57E-11	2.12E-08	5.62E-09	1.72E-14	5.19E-14	4.1E-14	2.03E-16	4.91E-15	2.71E-16	5.3894E-15	5.569E-11	2.1226E-08	5.61513E-09	1.75771E-14	8.2261E-16	8.77331E-15	1.36864E-16
237	570510.6	4178199	0.55, 41781	0.19081	0.14598	0.18108	111.923	37.71142	131.96286	13.99038	6.28524	16.49536	6.4E-11	2.28E-08	5.93E-09	1.97E-14	5.96E-14	4.71E-14	2.34E-16	5.64E-15	3.12E-16	6.18894E-15	6.395E-11	2.2833E-08	5.92872E-09	2.01848E-14	9.44647E-16	1.00749E-14	1.57168E-16
238	570550.6	4178199	0.55, 41781	0.21602	0.16987	0.20494	119.57772	40.00549	129.21029	14.94721	6.67621	16.15129	7.39E-11	2.38E-08	6.27E-09	2.28E-14	6.89E-14	5.44E-14	2.7E-16	6.52E-15	3.6E-16	7.15397E-15	7.393E-11	2.3751E-08	6.26552E-09	2.33322E-14	1.09195E-15	1.16458E-14	1.81675E-16
239	570590.6	4178199	0.55, 41781	0.24388	0.19917	0.2325	124.08345	42.52786	147.10165	15.51043	7.78928	18.38771	8.6E-11	2.56E-08	6.58E-09	2.65E-14	8.01E-14	6.33E-14	3.14E-16	7.59E-15	4.19E-16	8.31881E-15	8.596E-11	2.559E-08	6.57755E-09	2.71312E-14	1.26974E-15	1.3542E-14	2.11256E-16
240	570630.6	4178199	0.55, 41781	0.27242	0.23473	0.26214	135.79301	45.13025	156.31523	16.97413	8.73982	19.5394	1E-10	2.73E-08	7.17E-09	3.09E-14	9.34E-14	7.37E-14	3.66E-16	8.84E-15	4.88E-16	9.69627E-15	1.002E-10	2.7319E-08	7.17104E-09	3.16237E-14	1.47999E-15	1.57844E-14	2.46237E-16
241	570670.6	4178199	0.55, 41781	0.29828	0.27729	0.29064	136.89517	48.04336	174.48935	17.44831	9.65486	21.81117	1.17E-10	2.92E-08	7.45E-09	3.6E-14	1.09E-13	8.58E-14	4.26E-16	1.03E-14	5.68E-16	1.12834E-14	1.166E-10	2.9174E-08	7.45189E-09	3.68001E-14	1.72224E-15	1.83681E-14	2.86542E-16
242	570710.6	4178199	0.55, 41781	0.321	0.32818	0.31291	151.98197	52.23375	185.24815	19.68934	11.4382	23.15602	1.35E-10	3.16E-08	8.34E-09	4.18E-14	1.26E-13	9.96E-14	4.94E-16	1.19E-14	6.59E-16	1.30983E-14	1.354E-10	3.1628E-08	8.34104E-09	4.27191E-14	1.99926E-15	2.13225E-14	3.32631E-16
243	570750.6	4178199	0.55, 41781	0.34558	0.38955	0.32771	144.14265	57.26085	196.68908	22.53194	13.53855	24.58613	1.57E-10	3.35E-08	9.46E-09	4.85E-14	1.47E-13	1.16E-13	5.75E-16	1.39E-14	7.66E-16	1.52223E-14	1.573E-10	3.3535E-08	9.45601E-09	4.96464E-14	2.32345E-15	2.47801E-14	3.8657E-16
244	570790.6	4178199	0.55, 41781	0.38143	0.46429	0.35275	173.32889	66.95506	241.81218	25.57778	15.36352	36.58263	1.85E-10	3.99E-08	1.11E-08	5.7E-14	1.72E-13	1.36E-13	6.74E-16	1.63E-14	8.99E-16	1.78621E-14	1.846E-10	3.9942E-08	1.11389E-08	5.82558E-14	2.72637E-15	2.90773E-14	4.53607E-16
245	570830.6	4178199	0.55, 41781	0.44289	0.55991	0.39405	200.31972	78.9407	262.23048	28.47462	17.66262	37.4615	2.2E-10	4.59E-08	1.22E-08	6.8E-14	2.05E-13	1.62E-13	8.06E-16	1.95E-14	1.07E-15	2.13375E-14	2.205E-10	4.5875E-08	1.22481E-08	6.95906E-14	3.25684E-15	3.47349E-14	5.41864E-16
246	570870.6	4178199	0.55, 41781	0.55133	0.6879	0.45528	245.75399	83.68372	263.19795	34.28137	20.83884	36.18743	2.7E-10	4.92E-08	1.43E-08	8.33E-14	2.51E-13	1.99E-13	9.86E-16	2.38E-14	1.31E-15	2.61108E-14	2.698E-10	4.9188E-08	1.433E-08	8.51584E-14	3.98541E-15	4.25053E-14	6.63082E-16
247	570910.6	4178199	0.55, 41781	0.74216	0.86472	0.57468	353.61381	98.21675	387.24795	44.20173	24.01316	48.40599	3.41E-10	6.38E-08	1.86E-08	1.05E-13	3.18E-13	2.51E-13	1.25E-15	3.01E-14	1.66E-15	3.30105E-14	3.411E-10	6.3818E-08	1.85583E-08	1.07661E-13	5.03855E-15	5.37372E-14	8.383E-16
248	570950.6	4178199	0.55, 41781	1.08517	1.1274	0.77671	376.11466	111.85514	479.74888	52.74149	29.33795	59.96861	4.5E-10	7.35E-08	2.22E-08	1.39E-13	4.2E-13	3.31E-13	1.65E-15	3.97E-14	2.19E-15	4.35868E-14	4.504E-10	7.3494E-08	2.22469E-08	1.42155E-13	6.65286E-15	7.09542E-14	1.10689E-15
249	570990.6	4178199	0.55, 41781	1.58976	1.56693	1.05873	410.19015	135.68135	559.12982	68.60008	44.06737	76.18548	6.28E-10	8.64E-08	2.89E-08	1.94E-13	5.85E-13	4.62E-13	2.29E-15	5.54E-14	3.06E-15	6.07802E-14	6.281E-10	8.6366E-08	2.88516E-08	1.9823E-13	9.27717E-15	9.8943E-14	1.54351E-15
250	571030.6	4178199	0.55, 41781	2.42958	2.27373	1.377	561.74649	191.25505	728.04918	107.05418	55.40677	100.45619	9.09E-10	1.18E-07	4.42E-08	2.8E-13	8.46E-13	6.69E-13	3.32E-15	8.02E-14	4.43E-15	8.79206E-14	9.085E-10	1.1832E-07	4.41644E-08	2.86747E-13	1.34197E-14	1.43124E-13	2.23274E-15
251	571070.6	4178199	0.55, 41781	3.58306	3.18041	1.39903	721.18769	259.71405	966.70756	139.44796	73.67892	146.94766	1.25E-09	1.58E-07	5.83E-08	3.87E-13	1.17E-12	9.22E-13	4.58E-15	1.11E-13	6.1E-15	1.21267E-13	1.253E-09	1.581E-07	5.82791E-08	3.95505E-13	1.85096E-14	1.97409E-13	3.07958E-15
252	571110.6	4178199	0.55, 41781	5.26167	3.22788	1.2956	536.30163	206.72583	1199.13306	116.57539	57.94295	153.9862	1.33E-09	1.44E-07	5.02E-08	4.09E-13	1.24E-12	9.76E-13	4.85E-15	1.17E-13	6.46E-15	1.28386E-13	1.327E-09	1.4448E-07	5.01729E-08	4.18721E-13	1.95962E-14	2.08997E-13	3.26036E-15
253	571150.6	4178199	0.55, 41781	4.55265	2.7214	1.43074	406.82024	165.14744	1078.46551	75.27018	43.84452	138.95995	1.14E-09	1.2E-07	3.42E-08	3.51E-13	1.06E-12	8.38E-13	4.16E-15	1E-13	5.55E-15	1.1019E-13	1.139E-09	1.2024E-07	3.424E-08	3.59377E-13	1.68189E-14	1.79377E-13	2.79828E-15
254	571190.6	4178199	0.55, 41781	3.6655	2.27193	1.9191	348.88414	129.45816	921.59929	55.11772	35.12171	118.18584	9.79E-10	9.89E-08	2.58E-08	3.02E-13	9.12E-13	7.21E-13	3.58E-15	8.64E-14	4.77E-15	9.47744E-14	9.794E-10	9.8926E-08	2.58393E-08	3.091E-13	1.44659E-14	1.54282E-13	2.40679E-15
255	571230.6	4178199	0.55, 41781	2.99647	1.91661	2.63905	311.11499	100.77545	780.81724	44.29874	28.05958	97.60216	8.7E-10	8.14E-08	2.09E-08	2.69E-13	8.11E-13	6.4E-13	3.18E-15	7.68E-14	4.24E-15	8.42117E-14	8.702E-10	8.1442E-08	2.08893E-08	2.74651E-13	1.28536E-14	1.37087E-13	2.13855E-15
256	571270.6	4178199	0.55, 41781	2.48655	1.63354	2.7833	275.28639	78.6156	563.64868	36.03295	23.70769	70.45609	7.64E-10	6.26E-08	1.66E-08	2.36E-13	7.12E-13	5.62E-13	2.79E-15	6.74E-14	3.72E-15	7.3942E-14	7.641E-10	6.2628E-08	1.65747E-08	2.41156E-13	1.12861E-14	1.20369E-13	1.87775E-15
257	571310.6	4178199	0.55, 41781	2.04979	1.39182	2.36332	251.65063	69.80646	418.93362	31.45633	18.505	52.3667	6.48E-10	5.21E-08	1.4E-08	2E-13	6.04E-13	4.77E-13	2.37E-15	5.72E-14	3.16E-15	6.27153E-14	6.481E-10	5.2074E-08	1.40431E-08	2.04541E-13	9.57254E-15	1.02093E-13	1.59265E-15
258	571350.6	4178199	0.55, 41781	1.66907	1.18291	1.84305	207.71058	67.17721	304.96385	28.41822	15.5683	43.42728	5.4E-10	4.42E-08	1.25E-08	1.67E-13	5.03E-13	3.98E-13	1.97E-15	4.77E-14	2.63E-15	5.22906E-14	5.403E-10	4.4246E-08	1.25057E-08	1.70542E-13	7.98137E-15	8.5123E-14	1.32792E-15
259	571390.6	4178199	0.55, 41781	1.33874	0.99933	1.42084	175.53523	63.93291	243.3206	26.80029	13.20173	40.55343	4.47E-10	3.91E-08	1.18E-08	1.38E-13	4.17E-13	3.29E-13	1.63E-15	3.95E-14	2.18E-15	4.33031E-14	4.475E-10	3.9094E-08	1.1775E-08	1.4123E-13	6.60956E-15	7.04923E-14	1.09968E-15
260	571430.6	4178199	0.55, 41781	1.08215	0.84466	1.12094	146.49279	60.30749	207.71024	24.41546	11.02968	34.61837	3.73E-10	3.51E-08	1.06E-08	1.15E-13	3.47E-13	2.74E-13	1.36E-15	3.29E-14	1.82E-15	3.60614E-14	3.726E-10	3.5147E-08	1.06186E-08	1.17611E-13	5.50422E-15	5.87037E-14	9.15777E-16
261	571470.6	4178199	0.55, 41781	0.88511	0.71494	0.90372	129.54701	55.96987	172.11269	21.59117	9.33698	28.68545	3.12E-10	3.14E-08	9.3E-09	9.63E-14	2.91E-13	2.3E-13	1.14E-15	2.75E-14	1.52E-15	3.02083E-14	3.122E-10	3.1416E-08	9.30034E-09	9.85221E-14	4.61083E-15	4.91755E-14	7.67138E-16
262	571510.6	4178199	0.55, 41781	0.73336	0.60746	0.74181	112.64977	51.14316	142.69265	18.77496	8.40942	23.78211	2.63E-10	2.78E-08	8.03E-09	8.13E-14	2.45E-13	1.94E-13	9.62E-16	2.32E-14	1.28E-15	2.54818E-14	2.633E-10	2.7813E-08	8.03306E-09	8.31071E-14	3.88941E-15	4.14814E-14	6.4711E-16
263	571550.6	4178199	0.55, 41781	0.6189	0.52125	0.62191	97.68282	46.08498	120.36205	16.28047	7.59304	20.06034	2.25E-10	2.45E-08	6.94E-09	6.94E-14	2.1E-13	1.66E-13	8.22E-16	1.98E-14	1.1E-15	2.1762E-14	2.249E-10	2.4536E-08	6.93955E-09	7.0975E-14	3.32163E-15	3.54259E-14	5.52644E-16
264	571590.6	4178199	0.55, 41781	0.52714	0.45016	0.52751	84.87826	41.93857	102.67653	14.14638	6.8553	17.11275	1.93E-10	2.19E-08	6.02E-09	5.97E-14	1.8E-13	1.42E-13	7.07E-16	1.71E-14	9.43E-16	1.87242E-14	1.935E-10	2.1858E-08	6.01505E-09	6.10675E-14	2.85796E-15	3.04807E-14	4.755E-16
265	570310.6	4178239	0.55, 41782	0.10871	0.07725	0.10419	69.36135	22.19632	77.30253	9.49069	3.20395	10.55794	3.45E-11	1.36E-08	3.99E-09	1.07E-14	3.22E-14	2.54E-14	1.26E-16	3.05E-15	1.68E-16	3.34079E-15	3.452E-11	1.3552E-08	3.9924E-09	1.08957E-14	5.09921E-16	5.43841E-15	8.48393E-17
266	570350.6	4178239	0.55, 41782	0.12097	0.08699	0.11543	80.24676	23.95533	77.73127	10.03084	3.79637	10.6184	3.87E-11	1.46E-08	4.19E-09	1.2E-14	3.61E-14	2.85E-14	1.42E-16	3.42E-15	1.89E-16	3.74822E-15	3.873E-11	1.4561E-08	4.1944E-09	1.22246E-14	5.72109E-16	6.10167E-15	9.5186E-17
267	570390.6	4178239	0.55, 41782	0.13576	0.09875	0.129	97.68381	28.15369	96.07123	12.21048	4.56788	12.0089	4.38E-11	1.75E-08	5.06E-09	1.35E-14	4.08E-14	3.22E-14	1.6E-16	3.87E-15	2.13E-16	4.2401E-15	4.382E-11	1.7459E-08	5.06305E-09	1.38288E-14	6.47187E-16	6.90239E-15	1.07677E-16
268	570430.6	4178239	0.55, 41782	0.15369	0.11303	0.14573	112.57412	32.01468	119.02369	14.07177	5.30028	14.87796	5E-11	2.04E-08	5.88E-09	1.54E-14	4.66E-14	3.68E-14	1.83E-16	4.41E-15	2.44E-16	4.83842E-15	5E-11	2.0366E-08	5.88328E-09	1.57801E-14	7.38511E-16	7.87638E-15	1.22871E-16
269	570470.6	4178239	0.55, 41782	0.17542	0.1305	0.16624	120.86213	35.6675	135.90431	15.10777	5.94458	16.98804	5.76E-11	2.27E-08	6.36E-09	1.78E-14	5.36E-14	4.24E-14	2.1E-16	5.08E-15	2.8E-16	5.56984E-15	5.756E-11	2.2673E-08	6.36376E-09	1.81656E-14	8.50152E-16	9.06705E-15	1.41446E-16
270	570510.6	4178239	0.55, 41782	0.20166	0.15208	0.19089	118.29832	38.86505	139.27939	14.78729	6.47751	17.40992	6.68E-11	2.38E-08	6.27E-09	2.06E-14	6.23E-14	4.92E-14	2.44E-16	5.9E-15	3.26E-16	6.46807E-15	6.684E-11	2.3795E-08	6.26526E-09	2.10951E-14	9.87253E-16	1.05293E-14	1.64256E-16
271	570550.6	4178239	0.55, 41782	0.23297	0.17899	0.21994	134.82021	41.51275	155.81716	16.85253	6.91879	19.47714	7.83E-11	2.61E-08	7.12E-09	2.42E-14	7.29E-14	5.76E-14	2.86E-16	6.91E-15	3.81E-16	7.57543E-15	7.828E-11	2.6061E-08	7.12329E-09	2.47067E-14	1.15628E-15	1.23319E-14	1.92378E-16
272	570590.6	4178239	0.55, 41782	0.26933	0.21289	0.25402	138.182	44.61865	161.93184	17.27275	7.89914	20.24148	9.25E-11	2.75E-08	7.31E-09	2.85E-14	8.62E-14	6.81E-14	3.38E-16	8.16E-15	4.5E-16	8.94795E-15	9.246E-11	2.7501E-08	7.31391E-09	2.91831E-14	1.36577E-15	1.45662E-14	2.27233E-16
273	570630.6	4178239	0.55, 41782	0.31001	0.25571	0.29378	151.57706	47.88426	180.12829	18.94713	9.37801	22.51604	1.1E-10	2.99E-08	8.04E-09	3.4E-14	1.03E-13	8.1E-14	4.02E-16	9.71E-15	5.36E-16	1.06478E-14	1.1E-10	2.9932E-08	8.03748E-09	3.47271E-14	1.62523E-15	1.73334E-14	2.70401E-16
274	570670.6	4178239	0.55, 41782	0.35129	0.30919	0.33746	163.01094	51.1286	193.67566	20.37637	10.66356	24.20946	1.31E-10	3.21E-08	8.64E-09	4.05E-14	1.22E-13	9.67E-14	4.8E-16	1.16E-14	6.4E-16	1.27095E-14	1.313E-10	3.2066E-08	8.64354E-09	4.1451E-14	1.9399E-15	2.06895E-14	3.22756E-16
275	570710.6	4178239	0.55, 41782	0.3879	0.37553	0.37852	161.77129	55.27243	215.9147	21.46966	11.91574	26.98934	1.57E-10	3.44E-08	9.18E-09	4.83E-14	1.46E-13	1.15E-13	5.72E-16	1.38E-14	7.63E-16	1.51549E-14	1.566E-10	3.4431E-08	9.1764E-09	4.94265E-14	2.31316E-15	2.46704E-14	3.84857E-16
276	570750.6	4178239	0.55, 41782	0.41955	0.45853	0.40652	185.09687	61.2613	243.75059	24.33831	15.0229	31.56234	1.87E-10	3.86E-08	1.04E-08	5.76E-14	1.74E-13	1.37E-13	6.82E-16	1.65E-14	9.09E-16	1.80578E-14	1.866E-10	3.8585E-08	1.04476E-08	5.88941E-14	2.75624E-15	2.93959E-14	4.58576E-16
277	570790.6	4178239	0.55, 41782	0.45531	0.56517	0.42739	195.76674	71.16962	229.68596	30.0466	17.67317	35.54387	2.24E-10	4.16E-08	1.27E-08	6.92E-14	2.09E-13	1.65E-13	8.19E-16	1.98E-14	1.09E-15	2.17016E-14	2.243E-10	4.1611E-08	1.27384E-08	7.0778E-14	3.31241E-15	3.53276E-14	5.5111E-16
278	570830.6	4178239	0.55, 41782	0.51729	0.70869	0.46924	186.14136	86.93814	313.42291	30.32646	20.0795	44.72862	2.76E-10	5.04E-08	1.33E-08	8.52E-14	2.57E-13	2.03E-13	1.01E-15	2.44E-14	1.34E-15	2.67177E-14	2.761E-10	5.0385E-08	1.32701E-08	8.71377E-14	4.07805E-15	4.34932E-14	6.78494E-16
279	570870.6	4178239	0.55, 41782	0.63421	0.91745	0.53024	225.98347	96.3139	311.28977	37.66391	24.81387	41.34654	3.52E-10	5.49E-08	1.58E-08	1.09E-13	3.28E-13	2.59E-13	1.29E-15	3.11E-14	1.72E-15	3.41112E-14	3.525E-10	5.488E-08	1.58181E-08	1.11251E-13	5.20656E-15	5.5529E-14	8.66253E-16

280	570910.6	4178239	0.55, 41782	0.85302	1.23442	0.65693	293.13359	117.47886	326.7744	47.06613	30.6738	48.00957	4.72E-10	6.51E-08	1.96E-08	1.46E-13	4.39E-13	3.47E-13	1.72E-15	4.16E-14	2.3E-15	4.56401E-14	4.716E-10	6.5123E-08	1.95961E-08	1.48852E-13	6.96627E-15	7.42967E-14	1.15903E-15
281	570950.6	4178239	0.55, 41782	1.35023	1.79208	0.88884	455.80102	142.22416	478.03953	68.40553	39.86266	68.50221	6.86E-10	8.65E-08	2.84E-08	2.12E-13	6.39E-13	5.05E-13	2.51E-15	6.05E-14	3.34E-15	6.63695E-14	6.858E-10	8.6454E-08	2.84214E-08	2.16459E-13	1.01303E-14	1.08042E-13	1.68545E-15
282	570990.6	4178239	0.55, 41782	3.0182	3.06414	1.32054	885.93977	193.04223	771.54657	147.1874	58.20401	96.44332	1.19E-09	1.33E-07	5.88E-08	3.67E-13	1.11E-12	8.76E-13	4.35E-15	1.05E-13	5.8E-15	1.15144E-13	1.19E-09	1.3304E-07	5.87769E-08	3.75532E-13	1.75749E-14	1.8744E-13	2.92407E-15
283	571030.6	4178239	0.55, 41782	7.70332	4.46365	2.30139	679.65913	243.63294	1123.21669	144.28562	71.78775	156.8655	1.87E-09	1.59E-07	6.05E-08	5.78E-13	1.75E-12	1.38E-12	6.85E-15	1.65E-13	9.13E-15	1.81382E-13	1.874E-09	1.5852E-07	6.05257E-08	5.91565E-13	2.76853E-14	2.95269E-13	4.6062E-15
284	571110.6	4178239	0.55, 41782	48.37684	13.76668	3.52906	1082.14109	288.2044	2417.61379	441.33003	115.9324	328.07057	6.53E-09	2.49E-07	1.78E-07	2.02E-12	6.09E-12	4.81E-12	2.39E-14	5.77E-13	3.18E-14	6.32221E-13	6.533E-09	2.487E-07	1.78052E-07	2.06194E-12	9.6499E-14	1.02918E-12	1.60552E-14
285	571150.6	4178239	0.55, 41782	14.38318	6.22649	4.84511	550.93904	192.81003	1871.63269	147.46183	59.89562	339.77194	2.83E-09	1.72E-07	7.02E-08	8.72E-13	2.63E-12	2.08E-12	1.03E-14	2.49E-13	1.38E-14	2.73536E-13	2.827E-09	1.7179E-07	7.02304E-08	8.92117E-13	4.17511E-14	4.45284E-13	6.94643E-15
286	571190.6	4178239	0.55, 41782	8.08563	4.10425	7.76231	423.01159	138.20819	1326.9025	88.76631	43.45879	203.98194	2.02E-09	1.24E-07	4.23E-08	6.25E-13	1.89E-12	1.49E-12	7.4E-15	1.79E-13	9.86E-15	1.95891E-13	2.024E-09	1.235E-07	4.22504E-08	6.38884E-13	2.98998E-14	3.18888E-13	4.97465E-15
287	571230.6	4178239	0.55, 41782	5.48613	3.01374	6.36519	364.79857	99.98669	820.37732	64.1708	32.88659	114.5851	1.5E-09	8.5E-08	2.9E-08	4.63E-13	1.4E-12	1.1E-12	5.48E-15	1.32E-13	7.31E-15	1.45217E-13	1.501E-09	8.5029E-08	2.90098E-08	4.73614E-13	2.21651E-14	2.36396E-13	3.68778E-15
288	571270.6	4178239	0.55, 41782	3.91656	2.30583	4.21608	308.69657	91.16262	501.73471	42.97299	25.31404	83.35946	1.11E-09	6.51E-08	1.97E-08	3.42E-13	1.03E-12	8.15E-13	4.04E-15	9.77E-14	5.39E-15	1.07139E-13	1.107E-09	6.5145E-08	1.9736E-08	3.49426E-13	1.63531E-14	1.7441E-13	2.72079E-15
289	571310.6	4178239	0.55, 41782	2.81911	1.80691	2.86031	238.76095	82.99282	368.88984	36.57222	19.65898	61.48164	8.38E-10	5.36E-08	1.64E-08	2.58E-13	7.8E-13	6.16E-13	3.06E-15	7.39E-14	4.08E-15	8.10515E-14	8.375E-10	5.3629E-08	1.63549E-08	2.64344E-13	1.23713E-14	1.31942E-13	2.0583E-15
290	571350.6	4178239	0.55, 41782	2.07392	1.43877	2.07081	186.98174	75.01218	257.12826	31.16362	15.62493	42.85471	6.51E-10	4.38E-08	1.35E-08	2.01E-13	6.06E-13	4.79E-13	2.38E-15	5.74E-14	3.17E-15	6.29877E-14	6.509E-10	4.3837E-08	1.34914E-08	2.0543E-13	9.61412E-15	1.02537E-13	1.59957E-15
291	571390.6	4178239	0.55, 41782	1.57003	1.1589	1.56847	153.36435	67.14235	200.39228	25.56072	13.28221	31.13336	5.16E-10	3.73E-08	1.09E-08	1.59E-13	4.81E-13	3.8E-13	1.88E-15	4.55E-14	2.51E-15	4.99231E-14	5.159E-10	3.7327E-08	1.08784E-08	1.62821E-13	7.62E-15	8.12689E-14	1.2678E-15
292	571430.6	4178239	0.55, 41782	1.23548	0.94866	1.2378	124.99719	59.46648	164.5542	20.83286	11.6734	24.18073	4.18E-10	3.21E-08	8.81E-09	1.29E-13	3.9E-13	3.08E-13	1.53E-15	3.69E-14	2.04E-15	4.04785E-14	4.183E-10	3.2052E-08	8.81054E-09	1.32018E-13	6.17843E-15	6.58942E-14	1.02795E-15
293	571470.6	4178239	0.55, 41782	0.99131	0.7845	0.9961	109.3041	54.21436	142.14876	17.2339	10.26711	19.9293	3.43E-10	2.87E-08	7.29E-09	1.06E-13	3.2E-13	2.53E-13	1.25E-15	3.03E-14	1.67E-15	3.324E-14	3.435E-10	2.868E-08	7.28502E-09	1.0841E-13	5.07359E-15	5.41109E-14	8.44129E-16
294	571510.6	4178239	0.55, 41782	0.81688	0.65976	0.82266	100.30585	50.40167	129.05875	14.55844	9.03737	16.96469	2.88E-10	2.65E-08	6.16E-09	8.87E-14	2.68E-13	2.12E-13	1.05E-15	2.54E-14	1.4E-15	2.7826E-14	2.875E-10	2.647E-08	6.1601E-09	9.07525E-14	4.24722E-15	4.52975E-14	7.0664E-16
295	571550.6	4178239	0.55, 41782	0.68618	0.56281	0.69258	92.19218	46.80105	116.817	12.52836	7.96128	14.60636	2.44E-10	2.44E-08	5.3E-09	7.54E-14	2.28E-13	1.8E-13	8.93E-16	2.16E-14	1.19E-15	2.3657E-14	2.445E-10	2.4403E-08	5.30145E-09	7.71557E-14	3.61089E-15	3.85109E-14	6.0077E-16
296	571590.6	4178239	0.55, 41782	0.57854	0.48285	0.58537	84.94405	43.3686	105.85184	10.89629	7.01254	13.23148	2.09E-10	2.25E-08	4.64E-09	6.45E-14	1.95E-13	1.54E-13	7.63E-16	1.84E-14	1.02E-15	2.02196E-14	2.089E-10	2.2483E-08	4.63546E-09	6.59446E-14	3.08621E-15	3.29151E-14	5.13475E-16
297	570310.6	4178279	0.55, 41782	0.11004	0.07807	0.10589	74.04292	22.79319	77.67346	10.17864	3.64675	10.70288	3.49E-11	1.39E-08	4.25E-09	1.08E-14	3.25E-14	2.57E-14	1.28E-16	3.08E-15	1.7E-16	3.37957E-15	3.492E-11	1.3942E-08	4.25285E-09	1.10222E-14	5.1584E-16	5.50154E-15	8.58241E-17
298	570350.6	4178279	0.55, 41782	0.12249	0.08802	0.11726	80.9847	23.74961	88.18196	11.08549	3.81596	12.05595	3.92E-11	1.5E-08	4.65E-09	1.21E-14	3.65E-14	2.89E-14	1.43E-16	3.46E-15	1.91E-16	3.79501E-15	3.922E-11	1.5008E-08	4.65039E-09	1.23772E-14	5.79251E-16	6.17783E-15	9.63742E-17
299	570390.6	4178279	0.55, 41782	0.13757	0.10016	0.13084	86.03589	24.80698	96.47388	11.74551	4.00404	13.13274	4.44E-11	1.59E-08	4.94E-09	1.37E-14	4.14E-14	3.27E-14	1.62E-16	3.92E-15	2.16E-16	4.30017E-15	4.444E-11	1.5934E-08	4.94402E-09	1.40247E-14	6.56356E-16	7.00018E-15	1.09203E-16
300	570430.6	4178279	0.55, 41782	0.15607	0.11514	0.14747	96.31741	27.84204	100.58043	12.03968	4.46456	13.6645	5.09E-11	1.75E-08	5.08E-09	1.57E-14	4.74E-14	3.74E-14	1.86E-16	4.49E-15	2.48E-16	4.92255E-15	5.087E-11	1.7515E-08	5.0773E-09	1.60545E-14	7.51352E-16	8.01333E-15	1.25008E-16
301	570470.6	4178279	0.55, 41782	0.17907	0.13378	0.16835	120.52086	33.01708	119.41006	15.06511	5.41696	14.92626	5.89E-11	2.1E-08	6.25E-09	1.82E-14	5.49E-14	4.33E-14	2.15E-16	5.2E-15	2.87E-16	5.69775E-15	5.888E-11	2.1012E-08	6.25184E-09	1.85828E-14	8.69676E-16	9.27528E-15	1.44694E-16
302	570510.6	4178279	0.55, 41782	0.20795	0.15724	0.19497	141.57577	37.85068	153.41811	17.69697	6.30845	19.17726	6.9E-11	2.5E-08	7.42E-09	2.13E-14	6.43E-14	5.08E-14	2.52E-16	6.09E-15	3.36E-16	6.67471E-15	6.897E-11	2.4987E-08	7.4207E-09	2.17691E-14	1.01879E-15	1.08657E-14	1.69504E-16
303	570550.6	4178279	0.55, 41782	0.24435	0.18714	0.22876	153.17347	42.50173	177.88461	19.14668	7.08362	22.23558	8.18E-11	2.81E-08	8.1E-09	2.52E-14	7.62E-14	6.02E-14	2.99E-16	7.22E-15	3.99E-16	7.91776E-15	8.182E-11	2.8103E-08	8.09799E-09	2.58232E-14	1.20853E-15	1.28892E-14	2.01071E-16
304	570590.6	4178279	0.55, 41782	0.28993	0.22577	0.27077	157.86485	46.41285	177.78268	19.73311	7.73548	22.22284	9.83E-11	2.96E-08	8.31E-09	3.03E-14	9.16E-14	7.23E-14	3.59E-16	8.67E-15	4.79E-16	9.51109E-15	9.828E-11	2.9569E-08	8.31365E-09	3.10197E-14	1.45172E-15	1.54829E-14	2.41534E-16
305	570630.6	4178279	0.55, 41782	0.34541	0.27631	0.32199	169.89337	50.77009	212.69617	21.23667	9.57894	26.58702	1.19E-10	3.31E-08	9.07E-09	3.69E-14	1.11E-13	8.79E-14	4.37E-16	1.05E-14	5.82E-16	1.15638E-14	1.195E-10	3.3091E-08	9.07171E-09	3.77144E-14	1.76503E-15	1.88245E-14	2.93661E-16
306	570670.6	4178279	0.55, 41782	0.40869	0.34273	0.38328	189.16159	55.36754	226.13934	23.6452	11.64813	28.26742	1.47E-10	3.6E-08	1E-08	4.53E-14	1.37E-13	1.08E-13	5.36E-16	1.29E-14	7.15E-16	1.41994E-14	1.467E-10	3.5962E-08	1.00383E-08	4.63104E-14	2.16733E-15	2.3115E-14	3.60594E-16
307	570710.6	4178279	0.55, 41782	0.47241	0.42944	0.45188	202.37611	59.97812	249.97635	25.29701	13.4468	31.24704	1.81E-10	3.91E-08	1.08E-08	5.59E-14	1.69E-13	1.33E-13	6.61E-16	1.6E-14	8.82E-16	1.75204E-14	1.81E-10	3.9095E-08	1.07864E-08	5.71417E-14	2.67423E-15	2.85212E-14	4.44931E-16
308	570750.6	4178279	0.55, 41782	0.52143	0.53099	0.51003	207.36077	66.44988	280.46815	28.38204	16.35494	35.05852	2.19E-10	4.28E-08	1.21E-08	6.77E-14	2.04E-13	1.61E-13	8.01E-16	1.93E-14	1.07E-15	2.12172E-14	2.192E-10	4.2849E-08	1.21019E-08	6.91983E-14	3.23848E-15	3.45391E-14	5.3881E-16
309	570790.6	4178279	0.55, 41782	0.56782	0.69623	0.54766	217.33897	75.80804	318.83899	33.24185	20.36018	42.96761	2.78E-10	4.81E-08	1.43E-08	8.56E-14	2.59E-13	2.04E-13	1.01E-15	2.45E-14	1.35E-15	2.68546E-14	2.775E-10	4.8113E-08	1.4263E-08	8.75843E-14	4.09894E-15	4.37161E-14	6.81971E-16
310	570830.6	4178279	0.55, 41782	0.62461	0.91706	0.58168	236.67869	94.57659	403.572	34.09074	24.90976	60.93237	3.54E-10	5.9E-08	1.54E-08	1.09E-13	3.3E-13	2.61E-13	1.29E-15	3.13E-14	1.73E-15	3.42963E-14	3.544E-10	5.9009E-08	1.54142E-08	1.11855E-13	5.2348E-15	5.58303E-14	8.70953E-16
311	570870.6	4178279	0.55, 41782	0.74364	1.27032	0.64347	232.57719	121.10786	430.4482	38.76287	29.17824	53.80602	4.79E-10	6.89E-08	1.68E-08	1.48E-13	4.46E-13	3.52E-13	1.75E-15	4.23E-14	2.33E-15	4.63357E-14	4.788E-10	6.8903E-08	1.68046E-08	1.51121E-13	7.07244E-15	7.54291E-14	1.17669E-15
312	570910.6	4178279	0.55, 41782	0.98087	1.94043	0.78377	289.58181	139.00222	423.1545	48.26363	45.30681	59.61258	7.16E-10	7.66E-08	2.06E-08	2.21E-13	6.67E-13	5.27E-13	2.62E-15	6.32E-14	3.49E-15	6.93193E-14	7.163E-10	7.6621E-08	2.05791E-08	2.2608E-13	1.05805E-14	1.12844E-13	1.76036E-15
313	570950.6	4178279	0.55, 41782	1.54705	3.33468	1.05206	380.89662	209.14004	464.4183	63.48277	60.99964	77.40305	1.21E-09	1.05E-07	2.7E-08	3.74E-13	1.13E-12	8.92E-13	4.43E-15	1.07E-13	5.9E-15	1.17295E-13	1.212E-09	1.052E-07	2.70213E-08	3.8255E-13	1.79033E-14	1.90943E-13	2.97871E-15
314	571150.6	4178279	0.55, 41782	125.5821	15.27099	61.53709	2183.625	235.47088	4321.7852	1020.3296	115.3363	966.08792	1.26E-08	3.61E-07	4.21E-07	3.89E-12	1.18E-11	9.29E-12	4.61E-14	1.11E-12	6.15E-14	1.22123E-12	1.262E-08	3.6118E-07	4.21333E-07	3.98294E-12	1.86402E-13	1.98801E-12	3.1013E-14
315	571190.6	4178279	0.55, 41782	19.14498	7.50998	20.68123	704.1647	157.76938	1300.13062	186.41477	61.8786	262.75525	4.17E-09	1.39E-07	8.1E-08	1.29E-12	3.88E-12	3.07E-12	1.52E-14	3.68E-13	2.03E-14	4.034E-13	4.169E-09	1.3923E-07	8.10017E-08	1.31566E-12	6.15728E-14	6.56687E-13	1.02443E-14
316	571230.6	4178279	0.55, 41782	9.41744	4.44398	9.68706	418.2482	120.63814	710.71948	87.01567	39.51148	138.35634	2.28E-09	8.88E-08	3.85E-08	7.02E-13	2.12E-12	1.68E-12	8.32E-15	2.01E-13	1.11E-14	2.20288E-13	2.276E-09	8.8753E-08	3.85431E-08	7.18453E-13	3.36236E-14	3.58603E-13	5.59421E-15
317	571270.6	4178279	0.55, 41782	5.33507	3.02277	5.65407	265.61255	99.06709	486.13138	58.88721	29.56115	89.94232	1.46E-09	6.54E-08	2.59E-08	4.52E-13	1.36E-12	1.08E-12	5.35E-15	1.29E-13	7.14E-15	1.4175E-13	1.465E-09	6.5429E-08	2.59117E-08	4.62308E-13	2.1636E-14	2.30753E-13	3.59974E-15
318	571310.6	4178279	0.55, 41782	3.44949	2.20529	3.73581	197.38222	83.78037	349.19747	42.40574	23.44903	62.97539	1.03E-09	5.14E-08	1.86E-08	3.19E-13	9.63E-13	7.61E-13	3.78E-15	9.12E-14	5.04E-15	1.00059E-13	1.034E-09	5.1427E-08	1.85758E-08	3.26335E-13	1.52725E-14	1.62884E-13	2.54099E-15
319	571350.6	4178279	0.55, 41782	2.42474	1.67304	2.63741	164.77993	74.08708	262.11907	31.82391	19.20475	45.98547	7.68E-10	4.29E-08	1.39E-08	2.37E-13	7.16E-13	5.65E-13	2.81E-15	6.78E-14	3.74E-15	7.4327E-14	7.681E-10	4.2935E-08	1.38809E-08	2.42412E-13	1.13449E-14	1.20996E-13	1.88753E-15
320	571390.6	4178279	0.55, 41782	1.80332	1.30805	1.94946	139.62437	66.18564	204.22507	24.75802	16.07748	34.84377	5.92E-10	3.67E-08	1.08E-08	1.83E-13	5.51E-13	4.36E-13	2.16E-15	5.22E-14	2.88E-15	5.72697E-14	5.918E-10	3.6676E-08	1.07555E-08	1.86781E-13	8.74135E-15	9.32283E-14	1.45436E-15
321	571430.6	4178279	0.55, 41782	1.38872	1.04688	1.49158	120.07885	59.47148	164.54693	19.78612	13.66223	27.17412	4.68E-10	3.19E-08	8.56E-09	1.45E-13	4.36E-13	3.45E-13	1.71E-15	4.13E-14	2.28E-15	4.53281E-14	4.684E-10	3.187E-08	8.56419E-09	1.47834E-13	6.91865E-15	7.37888E-14	1.15111E-15
322	571470.6	4178279	0.55, 41782	1.11171	0.86066	1.18684	104.95004	53.66694	136.91558	16.34545	11.81303	21.87493	3.82E-10	2.81E-08	7.05E-09	1.18E-13	3.56E-13	2.81E-13	1.4E-15	3.37E-14	1.86E-15	3.69788E-14	3.821E-10	2.8092E-08	7.04817E-09	1.20604E-13	5.64426E-15	6.01972E-14	9.39077E-16
323	571510.6	4178279	0.55, 41782	0.90331	0.71725	0.95952	92.95227	48.50847	116.77816	13.70064	10.27697	17.93941	3.16E-10	2.5E-08	5.89E-09	9.76E-14	2.95E-13	2.33E-13	1.16E-15	2.79E-14	1.54E-15	3.06E-14	3.162E-10	2.4995E-08	5.88925E-09	9.97998E-14	4.67063E-15	4.98133E-14	7.77087E-16
324	571550.6	4178279	0.55, 41782	0.74685	0.60641	0.79002	83.35854	43.88956	102.16829	11.6678	9.00306	14.97338	2.66E-10	2.24E-08	5E-09	8.2E-14	2.48E-13	1.96E-13	9.71E-16	2.34E-14	1.29E-15	2.57145E-14	2.657E-10	2.2425E-08	5.00123E-09	8.38661E-14	3.92493E-15	4.18602E-14	6.5302E-16
325	571590.6	4178279	0.55, 41782	0.63093	0.52161	0.66513	75.57295	41.1264	91.05382	10.11638	7.96472	12.7323	2.27E-10	2.07E-08	4.32E-09	7.02E-14	2.12E-13	1.67E-13	8.31E-16	2.01E-14	1.11E-15	2.20121E-14	2.275E-10	2.07E-08	4.32457E-09	7.17908E-14	3.35981E-15	3.58331E-14	5.58996E-16
326	570310.6	4178319	0.55, 41783	0.1112	0.07908	0.10686	65.67409	25.12162	71.57917	10.72274	3.92383	11.92986	3.53E-11	1.41E-08	4.51E-09	1.09E-14	3.29E-14	2.6E-14	1.29E-16	3.12E-15	1.72E-16	3.42053E-15	3.535E-11	1.4117E-08	4.51074E-09	1.11558E-14	5.22093E-16	5.56823E-15	8.68644E-17
327	570350.6	4178319	0.55, 41783	0.12381	0.08915	0.11863	72.99363	26.3644	78.028	10.96785	4.13077	12.26515	3.97E-11	1.51E-08	4.62E-09	1.23E-14	3.7E-14	2.92E-14	1.45E-16	3.5E-15	1.93E-16	3.84221E-15	3.97E-11	1.5103E-08	4.61677E-09	1.25311E-14	5.86455E-16	6.25466E-15	9.75728E-17
328	570390.6	4178319	0.55, 41783	0.13907	0.1015	0.13256	85.61577	27.73961	87.79758	11.84211	4.3586	12.34233	4.5E-11	1.65E-08	4.94E-09	1.39E-14	4.19E-14	3.31E-14	1.64E-16	3.97E-15	2.19E-16	4.35633E-15	4.502E-11	1.6486E-08	4.94276E-09	1.42079E-14	6.64928E-16	7.0916E-15	1.10629E-16
329	570430.6	4178319	0.55, 41783	0.15783	0.11689	0.14946	97.99246	29.27563	105.83642	13.47747	4.61214	14.5399	5.16E-11	1.83E-08	5.65E-09	1.59E-14	4.81E-14	3.8E-14	1.89E-16	4.55E-15	2.51E-16	4.99402E-15	5.161E-11	1.8298E-08	5.64835E-09	1.62876E-14	7.62261E-16	8.12968E-15	1.26823E-16
330	570470.6	4178319	0.55, 41783	0.18134	0.13633	0.17027	108.90086	31.01454	122.78	14.92794	4.89871	16.74752	5.99E-11	2.01E-08	6.29E-09	1.85E-14	5.58E-14	4.41E-14	2.19E-16	5.29E-15	2.92E-16	5.79641E-15	5.99E-11	2.0072E-08	6.28623E-09	1.89046E-14	8.84734E-16	9.43588E-15	1.472E-16
331	570510.6	4178319	0.55, 41783	0.21129	0.16124	0.19656	118.40452	33.29424	135.32696	15.9306	5.40834	18.39398	7.05E-11	2.18E-08	6.73E-09	2.18E-14	6.57E-14	5.19E-14	2.58E-16	6.22E-15	3.43E-16	6.82225E-15	7.05E-11	2.1768E-08	6.73278E-09	2.22503E-14	1.04131E-15	1.11058E-14	1.73251E-16
332	570550.6	4178319	0.55, 41783	0.2503	0.19368	0.23096	153.9338	39.94632	153.89508	19.24172	6.62991	19.23689	8.43E-11	2.62E-08	7.99E-09	2.6E-14	7.86E-14	6.21E-14	3.08E-16	7.44E-15	4.11E-16	8.15895E-15	8.431E-11	2.6165E-08	7.99313E-09	2.66098E-14	1.24534E-15	1.32818E-14	2.07196E-16
333	570590.6	4178319	0.55, 41783	0.30196	0.23671	0.27701	186.54438	46.61587	209.37606	23.31805	7.76931	26.17201	1.03E-10	3.22E-08	9.82E-09	3.17E-14	9.56E-14	7.55E-14	3.75E-16	9.06E-15	5E-16	9.93361E-15	1.026E-10	3.2181E-08	9.81989E-09	3.23977E-14	1.51621E-15	1.61708E-14	2.52264E-16
334	570630.6	4178319	0.55, 41783	0.37105	0.29503	0.3391	205.0145	52.79857	247.59232	25.62681	8.79976	30.94904	1.27E-10	3.67E-08	1.09E-08	3.93E-14	1.19E-13	9.38E-14	4.66E-16	1.12E-14	6.21E-16	1.23341E-14	1.275E-10	3.6703E-08	1.08941E-08	4.02266E-14	1.88261E-15	2.00784E-14	3.13223E-16
335	570670.6	4178319	0.55, 41783	0.462	0.37572	0.42024	218.45656	59.57781	273.51496	27.30707	11.98561	34.18937	1.61E-10	4.07E-08	1.17E-08	4.98E-14	1.5E-13	1.19E-13	5.9E-16	1.42E-14	7.86E-16	1.5617E-14	1.614E-10	4.0661E-08	1.16649E-08	5.09336E-14	2.38369E-15	2.54226E-14	3.96592E-16
336	570710.6	4178319	0.55, 41783	0.57218	0.48827	0.5224	242.44958	66.62286	291.17197	30.3062	15.15553	36.3965	2.08E-10	4.47E-08	1.29E-08	6.4E-14	1.93E-13	1.53E-13	7.58E-16	1.83E-14	1.01E-15	2.00861E-14	2.076E-10	4.4715E-08	1.28739E-08	6.55094E-14	3.06584E-15	3.26978E-14	5.10086E-16
337	570750.6	4178319	0.55, 41783	0.67767	0.63416	0.63666	262.41203	72.71034	341.04886	32.8015	17.84948	42.63111	2.65E-10	4.98E-08	1.41E-08	8.18E-14	2.47E-13	1.95E-13	9.69E-16	2.34E-14	1.29E-15	2.56623E-14	2.652E-10	4.9805E-08	1.40849E-08	8.36958E-14	3.91696E-15	4.17753E-14	6.51694E-16
338	570790.6	4178319	0.55, 41783	0.76041	0.85502	0.73352	285.66779	86.45349	381.79277	42.9347	23.67926	50.68659	3.46E-10	5.71E-08	1.82E-08	1.07E-13	3.22E-13	2.55E-13	1.26E-15	3.05E-14	1.69E-15	3.34824E-14	3.46E-10	5.7129E-08	1.81975E-08	1.092E-13	5.11058E-15	5.45054E-14	8.50285E-16
339	570830.6	4178319	0.55, 41783	0.82107	1.23378	0.77266	302.59427	109.05103	424.78874	45.07728	29.79255	65.49858	4.76E-10	6.73E-08	1.97E-08	1.47E-13	4.43E-13	3.5E-13	1.74E-15	4.2E-14	2.32E-15	4.60267E-14	4.756E-10	6.7256E-08	1.96787E-08	1.50113E-13	7.02527E-15	7.4926E-14	1.16885E-15
340	570870.6	4178319	0.55, 41783	0.93174	1.8881	0.81484	263.71888	150.69846	583.61	37.23183	42.82711	79.94464	6.99E-10	8.7E-08	1.75E-08	2.16E-13	6.51E-13	5.14E-13	2.55E-15	6.16E-14	3.4E-15	6.76037E-14	6.986E-10	8.7018E-08	1.74595E-08	2.20484E-13	1.03187E-14	1.10051E-13	1.71679E-15
341	570910.6	4178319	0.55, 41783	1.19482	3.5981	0.94641	225.26352	195.84246	582.08496	37.31993	59.22953	72.76062	1.28E-09	1E-07	1.72E-08	3.95E-13	1.19E-12	9.43E-13	4.68E-15	1.13E-13	6.24E-15	1.23995E-13	1.281E-09	1.0047E-07	1.71568E-08	4.044E-13	1.89259E-14	2.01849E-13	3.14885E-15
342	571190.6	4178319	0.55, 41783	29.13102	9.74239	24.19825	1204.46355	192.40018	1781.17361	337.10397	86.14095	400.692	5.45E-09	1.92E-07	1.43E-07	1.68E-12	5.07E-12	4.01E-12	1.99E-14	4.81E-13	2.65E-14	5.2695E-13	5.445E-09	1.9182E-07	1.43006E-07	1.71861E-12	8.04309E-14	8.57813E-13	1.33819E-14
343	571230.6	4178319	0.55, 41783	10.45163	5.25398	11.58574	479.33008	117.37647	725.29291	126.19986	44.06446	185.38424	2.67E-09	9.06E-08	5.52E-08	8.25E-13	2.49E-12	1.97E-12	9.76E-15	2.36E-13	1.3E-14	2.58576E-13	2.672E-09	9.0632E-08	5.51869E-08	8.43326E-13	3.94677E-14	4.20931E-13	6.56652E-15
344	571270.6	4178319	0.55, 41783	5.72808	3.4301	6.64009	292.22118	96.9874	479.91721	63.79547	33.00222	105.59121	1.66E-09	6.54E-08	2.85E-08	5.12E-13	1.55E-12	1.22E-12	6.07E-15	1.47E-13	8.09E-15	1.60686E-13	1.66E-09	6.5442E-08	2.84517E-08	5.24067E-13	2.45263E-14	2.61578E-13	4.08062E-15
345	571310.6	4178319	0.55, 41783	3.67711	2.43151	4.23514	175.48484	83.52768	339.71763	43.52526	25.92364	69.01312	1.14E-09	5.01E-08	1.93E-08	3.52E-13	1.06E-12	8.4E-13	4.17E-15	1.01E-13	5.56E-15	1.10391E-13	1.141E-09	5.0083E-08	1.92703E-08	3.60033E-13	1.68496E-14	1.79704E-13	2.80338E-15
346	571350.6	4178319	0.55, 41783	2.57847	1.81872	2.91777	135.74456	73.58424	245.66728	31.86463	21.08438	47.561	8.35E-10	4.09E-08	1.4E-08	2.58E-13	7.78E-13	6.15E-13	3.05E-15	7.37E-14	4.07E-15	8.08206E-14	8.352E-10	4.0917E-08	1.39694E-08	2.63591E-13	1.2336E-14	1.31566E-13	2.05244E-15
347	571390.6	4178319	0.55, 41783	1.91038	1.41202	2.12389	114.67965	65.84745	189.40245	24.95277	17.54375	35.6451	6.38E-10	3.49E-08	1.09E-08	1.97E-13	5.95E-13	4.7E-13	2.33E-15	5.63E-14	3.11E-15	6.17787E-14	6.384E-10	3.4941E-08	1.08647E-08	2.01487E-13	9.42958E-15	1.00568E-13	1.56887E-15
348	571430.6	4178319	0.55, 41783	1.47151	1.12853	1.61377	100.57811	59.61061	161.57422	20.18585	14.84739	27.57311	5.04E-10	3.1E-08	8.73E-09	1.56E-13	4.7E-13	3.71E-13	1.84E-15	4.45E-14	2.46E-15	4.87977E-14	5.043E-10	3.1049E-08	8.73021E-09	1.5915E-13	7.44822E-15	7.94369E-14	1.23922E-15
349	571470.6	4178319	0.55, 41783	1.16585	0.92218	1.2649	90.09229	54.43044	139.38169	16.69193	12.71837	21.87498	4.08E-10	2.79E-08	7.18E-09	1.26E-13	3.8E-13	3E-13	1.49E-15	3.6E-14	1.99E-15	3.95E-14	4.082E-10	2.7906E-08	7.17594E-09	1.28826E-13	6.02908E-15	6.43014E-14	1.0031E-15
350	571510.6	4178319	0.55, 41783	0.94595	0.76805	1.01773	81.52103	50.05282	121.69	14.06823	11.00608	17.76049	3.37E-10	2.53E-08	6.02E-09	1.04E-13	3.14E-13	2.48E-13	1.23E-15	2.98E-14	1.64E-15	3.26462E-14	3.374E-10	2.531E-08	6.01646E-09	1.06473E-13	4.98295E-15	5.31442E-14	8.2905E-16
351	571550.6	4178319	0.55, 41783	0.78212	0.64956	0.83556	74.38547	46.28731	107.35752	12.02264	9.59923	14.66288	2.83E-10	2.31E-08	5.12E-09	8.75E-14	2.64E-13	2.09E-13	1.04E-15	2.5E-14	1.38E-15	2.74315E-14	2.835E-10	2.3126E-08	5.1176E-09	8.9466E-14	4.18701E-15	4.46553E-14	6.96623E-16
352	571590.6	4178319	0.55, 41783	0.65442	0.55508	0.69496	68.29245	42.98116	95.34122	10.3334	8.40789	12.26582	2.41E-10	2.12E-08	4.38E-09	7.43E-14	2.24E-13	1.77E-13	8.8E-16	2.13E-14	1.17E-15	2.33051E-14	2.408E-10	2.1243E-08	4.38284E-09	7.6008E-14	3.55717E-15	3.7938E-14	5.91833E-16
353	570310.6	4178359	0.55, 41783	0.11229	0.07993	0.10794	69.29068	26.58817	75.81746	11.54845	4.0095	12.46153	3.57E-11	1.49E-08	4.84E-09	1.1E-14	3.33E-14	2.63E-14	1.3E-16	3.15E-15	1.74E-16	3.45661E-15	3.572E-11	1.4936E-08	4.84003E-09	1.12735E-14	5.27599E-16	5.62696E-15	8.77805E-17
354	570350.6	4178359	0.55, 41783	0.12531	0.09043	0.1201	75.30937	28.06345	82.61098	12.55156	4.25756	13.7685	4.03E-11	1.6E-08	5.27E-09	1.24E-14	3.75E-14	2.96E-14	1.47E-16	3.55E-15	1.96E-16	3.89532E-15	4.025E-11	1.5966E-08	5.27092E-09	1.27043E-14	5.94561E-16	6.34112E-15	9.89215E-17
355	570390.6	4178359	0.55, 41783	0.14084	0.10296	0.13441	81.29058	29.71471	90.82388	13.54843	4.53386	15.13731	4.57E-11	1.71E-08	5.7E-09	1.41E-14	4.25E-14	3.36E-14	1.67E-16	4.03E-15	2.22E-16	4.41791E-15	4.565E-11	1.712E-08	5.70239E-09	1.44087E-14	6.74327E-16	7.19184E-15	1.12193E-16
356	570430.6	4178359	0.55, 41783	0.15989	0.11858	0.15186	87.11605	31.54887	98.44842	14.51934	4.83992	16.40807	5.24E-11	1.83E-08	6.12E-09	1.62E-14	4.88E-14	3.85E-14	1.91E-16	4.62E-15	2.55E-16	5.0665E-15	5.235E-11	1.8301E-08	6.11971E-09	1.6524E-14	7.73324E-16	8.24767E-15	1.28664E-16
357	570470.6	4178359	0.55, 41783	0.18374	0.13844	0.17326	97.3598	33.59814	106.34308	15.36354	5.1813	17.51553	6.08E-11	1.97E-08	6.48E-09	1.88E-14	5.67E-14	4.48E-14	2.22E-16	5.37E-15	2.96E-16	5.88626E-15	6.083E-11	1.9731E-08	6.48269E-09	1.91976E-14	8.98448E-16	9.58213E-15	1.49481E-16
358	570510.6	4178359	0.55, 41783	0.21432	0.16421	0.20002	118.04415	35.93263	125.3205	16.48105	5.5698	18.1537	7.18E-11	2.22E-08	6.92E-09	2.21E-14	6.69E-14	5.28E-14	2.62E-16	6.33E-15	3.5E-16	6.94408E-15	7.176E-11	2.2162E-08	6.92456E-09	2.26476E-14	1.05991E-15	1.13041E-14	1.76345E-16
359	570550.6	4178359	0.55, 41783	0.25472	0.19842	0.23435	139.50155	38.63371	157.96544	19.4148	6.01971	21.81117	8.62E-11	2.54E-08	8.18E-09	2.66E-14	8.03E-14	6.34E-14	3.15E-16	7.61E-15	4.2E-16	8.34226E-15	8.62E-11	2.5381E-08	8.17706E-09	2.72077E-14	1.27332E-15	1.35802E-14	2.11851E-16
360	570590.6	4178359	0.55, 41783	0.30979	0.24497	0.28017	159.83108	41.83842	190.36526	22.23989	6.84975	26.13545	1.06E-10	2.87E-08	9.42E-09	3.27E-14	9.86E-14	7.79E-14	3.87E-16	9.34E-15	5.16E-16	1.02411E-14	1.058E-10	2.8714E-08	9.42059E-09	3.34006E-14	1.56315E-15	1.66713E-14	2.60072E-16
361	570630.6	4178359	0.55, 41783	0.38734	0.31015	0.34391	206.43147	51.05257	211.21178	25.80393	8.50876	28.98998	1.33E-10	3.45E-08	1.09E-08	4.11E-14	1.24E-13	9.81E-14	4.87E-16	1.18E-14	6.49E-16	1.28996E-14	1.333E-10	3.448E-08	1.08681E-08	4.2071E-14	1.96892E-15	2.0999E-14	3.27584E-16
362	570670.6	4178359	0.55, 41783	0.50063	0.40488	0.43681	262.98595	60.70684	312.78941	32.87324	10.74505	39.09868	1.73E-10	4.45E-08	1.39E-08	5.35E-14	1.61E-13	1.28E-13	6.33E-16	1.53E-14	8.44E-16	1.67666E-14	1.733E-10	4.4529E-08	1.39466E-08	5.4683E-14	2.55917E-15	2.7294E-14	4.25787E-16
363	570710.6	4178359	0.55, 41783	0.66972	0.54814	0.57453	304.17814	72.14807	380.66102	38.02227	15.71205	47.58263	2.33E-10	5.3E-08	1.62E-08	7.2E-14	2.18E-13	1.72E-13	8.53E-16	2.06E-14	1.14E-15	2.25941E-14	2.335E-10	5.3025E-08	1.62412E-08	7.36889E-14	3.44864E-15	3.67805E-14	5.73776E-16
364	570750.6	4178359	0.55, 41783	0.90523	0.76876	0.77041	339.35657	85.82023	445.46467	44.72327	21.31802	55.68308	3.25E-10	6.19E-08	1.91E-08	1E-13	3.02E-13	2.39E-13	1.19E-15	2.86E-14	1.58E-15	3.14053E-14	3.245E-10	6.1893E-08	1.90902E-08	1.02426E-13	4.79354E-15	5.11242E-14	7.97537E-16
365	570790.6	4178359	0.55, 41783	1.13154	1.06104	0.98839	377.53193	96.31599	507.3356	54.94081	27.90141	63.41695	4.4E-10	6.97E-08	2.32E-08	1.36E-13	4.1E-13	3.24E-13	1.61E-15	3.88E-14	2.14E-15	4.25815E-14	4.4E-10	6.9683E-08	2.32188E-08	1.38877E-13	6.49942E-15	6.93177E-14	1.08136E-15
366	570830.6	4178359	0.55, 41783	1.33226	1.74963	1.18947	411.58415	139.14147	649.42864	69.46909	37.35577	97.59965	6.85E-10	9.18E-08	3.02E-08	2.11E-13	6.38E-13	5.04E-13	2.5E-15	6.05E-14	3.34E-15	6.63004E-14	6.851E-10	9.1778E-08	3.01711E-08	2.16234E-13	1.01197E-14	1.07929E-13	1.6837E-15
367	570870.6	4178359	0.55, 41783	1.45984	3.38436	1.19217	346.78431	184.49712	847.26971	52.43952	61.49528	124.03925	1.23E-09	1.14E-07	2.51E-08	3.8E-13	1.15E-12	9.07E-13	4.5E-15	1.09E-13	6E-15	1.19206E-13	1.232E-09	1.1362E-07	2.51248E-08	3.88782E-13	1.8195E-14	1.94054E-13	3.02724E-15
368	571150.6	4178359	0.55, 41783	17.36196	17.82412	10.70274	1537.79423	258.8776	2153.28101	350.34789	128.93656	372.67701	7.05E-09	2.44E-07	1.47E-07	2.18E-12	6.57E-12	5.19E-12	2.58E-14	6.23E-13	3.44E-14	6.82727E-13	7.055E-09	2.4366E-07	1.46583E-07	2.22666E-12	1.04208E-13	1.1114E-12	1.73378E-14
369	571190.6	4178359	0.55, 41783	10.35157	8.16971	8.42586	590.93034	162.31709	1380.32388	161.82999	76.08872	218.22557	3.49E-09	1.4E-07	6.99E-08	1.08E-12	3.25E-12	2.57E-12	1.27E-14	3.08E-13	1.7E-14	3.37468E-13	3.487E-09	1.4025E-07	6.98582E-08	1.10063E-12	5.15093E-14	5.49358E-13	8.56999E-15
370	571230.6	4178359	0.55, 41783	6.41954	4.85697	6.11014	429.96716	118.18476	649.38165	103.83364	47.29307	136.54892	2.13E-09	8.55E-08	4.47E-08	6.59E-13	1.99E-12	1.57E-12	7.8E-15	1.88E-13	1.04E-14	2.06557E-13	2.134E-09	8.5516E-08	4.46607E-08	6.7367E-13	3.15278E-14	3.3625E-13	5.24551E-15
371	571270.6	4178359	0.55, 41783	4.24607	3.28764	4.46672	330.34534	97.41521	669.03521	71.25122	30.79427	101.30501	1.46E-09	7.58E-08	3.1E-08	4.49E-13	1.36E-12	1.07E-12	5.32E-15	1.29E-13	7.1E-15	1.40952E-13	1.457E-09	7.583E-08	3.10012E-08	4.59704E-13	2.15141E-14	2.29453E-13	3.57946E-15
372	571310.6	4178359	0.55, 41783	3.01802	2.39332	3.29044	280.32399	84.30249	476.5001	47.38187	23.6076	69.83839	1.06E-09	6.06E-08	2.07E-08	3.27E-13	9.87E-13	7.8E-13	3.87E-15	9.35E-14	5.16E-15	1.02521E-13	1.059E-09	6.0635E-08	2.0731E-08	3.34364E-13	1.56482E-14	1.66892E-13	2.60351E-15
373	571350.6	4178359	0.55, 41783	2.25439	1.82521	2.47896	223.1696	75.03337	276.07803	32.74083	19.24184	47.29925	8.05E-10	4.61E-08	1.43E-08	2.48E-13	7.5E-13	5.92E-13	2.94E-15	7.1E-14	3.92E-15	7.78771E-14	8.047E-10	4.6079E-08	1.42803E-08	2.5399E-13	1.18868E-14	1.26775E-13	1.97769E-15
374	571390.6	4178359	0.55, 41783	1.7395	1.43625	1.90839	164.0034	68.00709	177.73654	25.39154	16.17569	38.72375	6.3E-10	3.7E-08	1.12E-08	1.94E-13	5.87E-13	4.64E-13	2.3E-15	5.56E-14	3.07E-15	6.09657E-14	6.3E-10	3.6954E-08	1.11701E-08	1.98835E-13	9.30548E-15	9.9245E-14	1.54822E-15
375	571430.6	4178359	0.55, 41783	1.37666	1.15767	1.50113	113.66708	62.41604	162.05892	21.33563	13.79366	30.03325	5.05E-10	3.25E-08	9.27E-09	1.56E-13	4.71E-13	3.72E-13	1.85E-15	4.46E-14	2.46E-15	4.88812E-14	5.051E-10	3.249E-08	9.26899E-09	1.59422E-13	7.46097E-15	7.95728E-14	1.24134E-15
376	571470.6	4178359	0.55, 41783	1.11313	0.95193	1.20554	91.64258	57.80687	139.39839	17.74486	11.89568	22.85385	4.13E-10	2.91E-08	7.61E-09	1.28E-13	3.85E-13	3.04E-13	1.51E-15	3.65E-14	2.01E-15	3.99958E-14	4.133E-10	2.9083E-08	7.60989E-09	1.30443E-13	6.10475E-15	6.51085E-14	1.01569E-15
377	571510.6	4178359	0.55, 41783	0.9166	0.79605	0.98663	82.11168	53.90312	116.32041	14.64829	10.35284	20.08654	3.44E-10	2.64E-08	6.34E-09	1.06E-13	3.21E-13	2.53E-13	1.26E-15	3.04E-14	1.68E-15	3.32979E-14	3.441E-10	2.6357E-08	6.33888E-09	1.08599E-13	5.08242E-15	5.4205E-14	8.45599E-16
378	571550.6	4178359	0.55, 41783	0.76622	0.67498	0.82026	72.9064	50.52239	102.58687	12.13868	9.07968	17.28494	2.91E-10	2.43E-08	5.28E-09	8.97E-14	2.71E-13	2.14E-13	1.06E-15	2.56E-14	1.42E-15	2.81204E-14	2.906E-10	2.4252E-08	5.28272E-09	9.17125E-14	4.29215E-15	4.57766E-14	7.14116E-16
379	571590.6	4178359	0.55, 41783	0.64386	0.57575	0.68602	65.94968	47.48497	92.44167	10.99161	8.00686	15.40694	2.47E-10	2.25E-08	4.77E-09	7.62E-14	2.3E-13	1.82E-13	9.02E-16	2.18E-14	1.2E-15	2.38896E-14	2.469E-10	2.2513E-08	4.77211E-09	7.79142E-14	3.64638E-15	3.88895E-14	6.06676E-16
380	570310.6	4178399	0.55, 41783	0.11287	0.08031	0.1093	71.34246	27.87564	79.43468	11.89041	3.82503	13.23911	3.59E-11	1.56E-08	5E-09	1.11E-14	3.35E-14	2.64E-14	1.31E-16	3.17E-15	1.75E-16	3.47703E-15	3.593E-11	1.5608E-08	5.00241E-09	1.13401E-14	5.30716E-16	5.6602E-15	8.82992E-17
381	570350.6	4178399	0.55, 41783	0.12665	0.09175	0.12214	75.96419	29.57043	83.22909	12.46202	4.12173	13.80548	4.08E-11	1.65E-08	5.24E-09	1.26E-14	3.8E-14	3.01E-14	1.49E-16	3.6E-15	1.99E-16	3.95171E-15	4.084E-11	1.6519E-08	5.23963E-09	1.28882E-14	6.03168E-16	6.43291E-15	1.00353E-16
382	570390.6	4178399	0.55, 41783	0.1425	0.10434	0.13672	83.29233	31.439	92.96873	13.04897	4.44958	14.404	4.63E-11	1.79E-08	5.48E-09	1.43E-14	4.31E-14	3.41E-14	1.69E-16	4.08E-15	2.25E-16	4.4786E-15	4.628E-11	1.7866E-08	5.48399E-09	1.46066E-14	6.8359E-16	7.29063E-15	1.13734E-16
383	570430.6	4178399	0.55, 41783	0.16211	0.12032	0.15453	91.32735	33.521	103.76057	14.59534	4.81492	15.65812	5.31E-11	1.94E-08	6.11E-09	1.64E-14	4.95E-14	3.91E-14	1.94E-16	4.69E-15	2.59E-16	5.14238E-15	5.314E-11	1.936E-08	6.11275E-09	1.67715E-14	7.84906E-16	8.37119E-15	1.30591E-16
384	570470.6	4178399	0.55, 41783	0.18668	0.14051	0.17655	100.43451	35.89015	115.76296	16.57018	5.22899	18.35818	6.18E-11	2.1E-08	6.97E-09	1.91E-14	5.76E-14	4.55E-14	2.26E-16	5.45E-15	3.01E-16	5.97812E-15	6.178E-11	2.1045E-08	6.96697E-09	1.94972E-14	9.1247E-16	9.73168E-15	1.51814E-16
385	570510.6	4178399	0.55, 41783	0.21834	0.16684	0.20421	112.76596	38.62084	128.93318	18.79433	5.70408	21.48886	7.3E-11	2.3E-08	7.93E-09	2.25E-14	6.8E-14	5.37E-14	2.67E-16	6.44E-15	3.55E-16	7.06187E-15	7.297E-11	2.3025E-08	7.93321E-09	2.30318E-14	1.07789E-15	1.14959E-14	1.79336E-16
386	570550.6	4178399	0.55, 41783	0.26039	0.20212	0.2399	127.75395	41.82578	149.79254	21.29232	6.25899	24.96542	8.79E-11	2.56E-08	9.02E-09	2.71E-14	8.19E-14	6.47E-14	3.21E-16	7.76E-15	4.28E-16	8.50647E-15	8.79E-11	2.5619E-08	9.01658E-09	2.77432E-14	1.29838E-15	1.38475E-14	2.16021E-16
387	570590.6	4178399	0.55, 41783	0.3185	0.25095	0.28739	144.10526	45.67081	172.10131	24.01754	7.17597	28.68355	1.08E-10	2.85E-08	1.02E-08	3.35E-14	1.01E-13	7.98E-14	3.96E-16	9.57E-15	5.28E-16	1.0497E-14	1.085E-10	2.8545E-08	1.0195E-08	3.42351E-14	1.6022E-15	1.70878E-14	2.6657E-16
388	570630.6	4178399	0.55, 41783	0.40291	0.32135	0.35272	177.65061	50.39519	203.06539	27.05917	8.74903	32.05961	1.38E-10	3.28E-08	1.15E-08	4.26E-14	1.29E-13	1.02E-13	5.04E-16	1.22E-14	6.72E-16	1.33548E-14	1.38E-10	3.2807E-08	1.14742E-08	4.35558E-14	2.03841E-15	2.17401E-14	3.39145E-16
389	570670.6	4178399	0.55, 41783	0.53348	0.4284	0.44753	224.79663	56.41372	278.51402	32.60934	10.76331	39.25369	1.83E-10	4.01E-08	1.39E-08	5.64E-14	1.7E-13	1.35E-13	6.68E-16	1.61E-14	8.9E-16	1.7688E-14	1.828E-10	4.0082E-08	1.38565E-08	5.76882E-14	2.69981E-15	2.8794E-14	4.49187E-16
390	570710.6	4178399	0.55, 41783	0.75271	0.60288	0.59636	297.96202	70.92072	361.49768	41.13122	14.0152	50.83456	2.56E-10	5.15E-08	1.75E-08	7.89E-14	2.38E-13	1.88E-13	9.34E-16	2.26E-14	1.25E-15	2.47481E-14	2.557E-10	5.1492E-08	1.75394E-08	8.07142E-14	3.77743E-15	4.0287E-14	6.28478E-16
391	570750.6	4178399	0.55, 41783	1.15447	0.90762	0.85203	416.42427	90.04322	551.74774	52.05303	22.1169	68.96847	3.84E-10	7.11E-08	2.24E-08	1.18E-13	3.57E-13	2.82E-13	1.4E-15	3.39E-14	1.87E-15	3.71279E-14	3.837E-10	7.1128E-08	2.24129E-08	1.2109E-13	5.66701E-15	6.04398E-14	9.42861E-16
392	570790.6	4178399	0.55, 41783	1.70092	1.35462	1.23288	632.44551	121.09647	736.15706	79.05569	31.00919	92.01963	5.7E-10	9.81E-08	3.34E-08	1.76E-13	5.31E-13	4.19E-13	2.08E-15	5.03E-14	2.78E-15	5.51583E-14	5.7E-10	9.8086E-08	3.3446E-08	1.79895E-13	8.41907E-15	8.97912E-14	1.40074E-15
393	570830.6	4178399	0.55, 41783	3.46088	2.976	2.05541	854.46592	185.76652	929.26678	157.19416	64.23703	133.05669	1.21E-09	1.37E-07	6.42E-08	3.74E-13	1.13E-12	8.92E-13	4.43E-15	1.07E-13	5.9E-15	1.17233E-13	1.211E-09	1.3682E-07	6.41752E-08	3.82348E-13	1.78939E-14	1.90842E-13	2.97713E-15
394	571110.6	4178399	0.55, 41783	4.7766	17.70794	5.53677	386.44752	237.89657	1139.86397	91.74551	117.26543	182.49582	6.31E-09	1.46E-07	4.23E-08	1.95E-12	5.88E-12	4.64E-12	2.3E-14	5.56E-13	3.07E-14	6.1022E-13	6.306E-09	1.4645E-07	4.23466E-08	1.99019E-12	9.31408E-14	9.93366E-13	1.54965E-14
395	571150.6	4178399	0.55, 41783	4.75682	9.04164	4.75414	493.27775	194.83019	977.82769	91.47407	80.27894	179.74579	3.4E-09	1.29E-07	4.21E-08	1.05E-12	3.16E-12	2.5E-12	1.24E-14	3E-13	1.65E-14	3.28649E-13	3.396E-09	1.2861E-07	4.21182E-08	1.07187E-12	5.01633E-14	5.35003E-13	8.34604E-15
396	571190.6	4178399	0.55, 41783	4.13591	5.67532	3.9763	541.83424	159.29594	784.3481	82.25115	55.55038	130.43816	2.22E-09	1.1E-07	3.64E-08	6.85E-13	2.07E-12	1.63E-12	8.11E-15	1.96E-13	1.08E-14	2.14923E-13	2.221E-09	1.0961E-07	3.64167E-08	7.00955E-13	3.28047E-14	3.49869E-13	5.45795E-15
397	571230.6	4178399	0.55, 41783	3.34043	3.91116	3.41587	419.25179	113.41297	723.05548	67.92735	42.50701	103.29364	1.58E-09	8.7E-08	2.99E-08	4.88E-13	1.47E-12	1.16E-12	5.77E-15	1.39E-13	7.7E-15	1.52935E-13	1.58E-09	8.6971E-08	2.98682E-08	4.98787E-13	2.33432E-14	2.4896E-13	3.88378E-15
398	571270.6	4178399	0.55, 41783	2.69096	2.84934	2.72459	276.99568	96.24025	620.23738	46.4546	32.10306	94.16047	1.17E-09	7.12E-08	2.15E-08	3.62E-13	1.09E-12	8.63E-13	4.28E-15	1.03E-13	5.71E-15	1.13411E-13	1.172E-09	7.1173E-08	2.15238E-08	3.69882E-13	1.73105E-14	1.8462E-13	2.88007E-15
399	571310.6	4178399	0.55, 41783	2.15304	2.16763	2.23142	240.01182	84.08056	257.12386	39.08125	24.00367	52.53394	9.03E-10	4.88E-08	1.69E-08	2.79E-13	8.41E-13	6.65E-13	3.3E-15	7.97E-14	4.4E-15	8.73763E-14	9.029E-10	4.8822E-08	1.68627E-08	2.84971E-13	1.33367E-14	1.42238E-13	2.21892E-15
400	571350.6	4178399	0.55, 41783	1.74135	1.70512	1.85867	224.12525	73.73672	326.22415	31.06226	18.34101	44.13622	7.17E-10	4.8E-08	1.35E-08	2.21E-13	6.68E-13	5.28E-13	2.62E-15	6.33E-14	3.49E-15	6.93717E-14	7.169E-10	4.8024E-08	1.35138E-08	2.26251E-13	1.05885E-14	1.12929E-13	1.76169E-15
401	571390.6	4178399	0.55, 41783	1.43215	1.37481	1.54866	207.21833	64.01827	312.56807	26.21992	15.02288	39.07101	5.81E-10	4.35E-08	1.15E-08	1.79E-13	5.42E-13	4.28E-13	2.12E-15	5.13E-14	2.83E-15	5.62608E-14	5.814E-10	4.3535E-08	1.14918E-08	1.8349E-13	8.58735E-15	9.1586E-14	1.42874E-15
402	571430.6	4178399	0.55, 41783	1.19016	1.12906	1.29293	179.9524	59.14274	244.73255	22.49405	12.88734	30.59157	4.79E-10	3.77E-08	9.72E-09	1.48E-13	4.46E-13	3.53E-13	1.75E-15	4.23E-14	2.33E-15	4.63499E-14	4.79E-10	3.7737E-08	9.72222E-09	1.51167E-13	7.07461E-15	7.54522E-14	1.17705E-15
403	571470.6	4178399	0.55, 41783	0.9966	0.93995	1.08271	146.8642	55.47011	170.50633	18.35802	11.23121	21.31329	3.99E-10	3.18E-08	7.76E-09	1.23E-13	3.72E-13	2.94E-13	1.46E-15	3.52E-14	1.94E-15	3.86361E-14	3.992E-10	3.1821E-08	7.76413E-09	1.26009E-13	5.89722E-15	6.28951E-14	9.81163E-16
404	571510.6	4178399	0.55, 41783	0.8441	0.79417	0.91453	113.63796	52.27286	111.23462	14.20474	9.85599	18.36688	3.37E-10	2.68E-08	6.1E-09	1.04E-13	3.14E-13	2.48E-13	1.23E-15	2.98E-14	1.64E-15	3.26502E-14	3.374E-10	2.6756E-08	6.09509E-09	1.06486E-13	4.98356E-15	5.31507E-14	8.29151E-16
405	571550.6	4178399	0.55, 41783	0.71988	0.67749	0.77601	84.04695	49.45688	81.90115	12.59546	8.65245	16.41022	2.88E-10	2.33E-08	5.41E-09	8.88E-14	2.68E-13	2.12E-13	1.05E-15	2.54E-14	1.4E-15	2.78337E-14	2.876E-10	2.335E-08	5.41036E-09	9.07776E-14	4.24839E-15	4.531E-14	7.06836E-16
406	571590.6	4178399	0.55, 41783	0.61846	0.58359	0.66441	61.25343	46.95039	82.40366	11.31778	7.65227	14.12983	2.48E-10	2.17E-08	4.83E-09	7.64E-14	2.31E-13	1.82E-13	9.04E-16	2.18E-14	1.21E-15	2.39518E-14	2.475E-10	2.1692E-08	4.8328E-09	7.81169E-14	3.65587E-15	3.89906E-14	6.08254E-16
407	570310.6	4178439	0.55, 41784	0.11265	0.08111	0.10949	78.47962	27.91467	88.7071	13.07994	3.48933	14.78452	3.62E-11	1.63E-08	5.51E-09	1.12E-14	3.37E-14	2.66E-14	1.32E-16	3.19E-15	1.76E-16	3.50276E-15	3.62E-11	1.632E-08	5.51317E-09	1.1424E-14	5.34643E-16	5.70208E-15	8.89524E-17
408	570350.6	4178439	0.55, 41784	0.12585	0.09139	0.12175	84.54471	29.62734	96.42477	14.09078	3.70342	16.0708	4.07E-11	1.75E-08	5.95E-09	1.25E-14	3.79E-14	2.99E-14	1.49E-16	3.59E-15	1.98E-16	3.93551E-15	4.067E-11	1.7474E-08	5.94594E-09	1.28354E-14	6.00696E-16	6.40655E-15	9.99421E-17
409	570390.6	4178439	0.55, 41784	0.14252	0.10489	0.13706	91.50908	31.67143	105.54781	15.25151	4.06451	17.5913	4.65E-11	1.88E-08	6.44E-09	1.43E-14	4.33E-14	3.42E-14	1.7E-16	4.1E-15	2.26E-16	4.49784E-15	4.648E-11	1.8837E-08	6.44491E-09	1.46694E-14	6.86528E-16	7.32196E-15	1.14223E-16
410	570430.6	4178439	0.55, 41784	0.16313	0.12204	0.15568	99.54775	33.93845	116.15512	16.59129	4.47421	19.35919	5.38E-11	2.04E-08	7.02E-09	1.66E-14	5.01E-14	3.96E-14	1.97E-16	4.75E-15	2.62E-16	5.20643E-15	5.38E-11	2.0383E-08	7.02145E-09	1.69804E-14	7.94682E-16	8.47545E-15	1.32217E-16
411	570470.6	4178439	0.55, 41784	0.18858	0.14267	0.1783	108.92524	36.54882	128.38607	18.15421	4.93599	21.39768	6.26E-11	2.22E-08	7.69E-09	1.93E-14	5.84E-14	4.61E-14	2.29E-16	5.53E-15	3.05E-16	6.06217E-15	6.264E-11	2.2169E-08	7.69291E-09	1.97713E-14	9.25298E-16	9.8685E-15	1.53949E-16
412	570510.6	4178439	0.55, 41784	0.22167	0.16966	0.20722	120.34611	39.98702	143.34164	20.05769	5.68986	23.89027	7.42E-11	2.44E-08	8.51E-09	2.29E-14	6.91E-14	5.46E-14	2.71E-16	6.55E-15	3.61E-16	7.17794E-15	7.417E-11	2.4433E-08	8.51113E-09	2.34103E-14	1.0956E-15	1.16848E-14	1.82284E-16
413	570550.6	4178439	0.55, 41784	0.2658	0.20594	0.24496	134.27176	44.24032	161.13607	22.37863	6.83821	26.85601	8.96E-11	2.72E-08	9.51E-09	2.77E-14	8.35E-14	6.59E-14	3.27E-16	7.91E-15	4.36E-16	8.67138E-15	8.961E-11	2.7192E-08	9.50537E-09	2.82811E-14	1.32355E-15	1.4116E-14	2.20209E-16
414	570590.6	4178439	0.55, 41784	0.3272	0.25654	0.29583	151.91315	49.32778	182.29969	25.31886	8.30482	30.38328	1.11E-10	3.05E-08	1.08E-08	3.43E-14	1.03E-13	8.17E-14	4.06E-16	9.8E-15	5.41E-16	1.07458E-14	1.11E-10	3.0524E-08	1.07542E-08	3.50466E-14	1.64018E-15	1.74929E-14	2.72889E-16
415	570630.6	4178439	0.55, 41784	0.41735	0.33056	0.3671	175.42083	55.6235	213.97884	29.2368	10.21264	34.63299	1.42E-10	3.5E-08	1.24E-08	4.39E-14	1.33E-13	1.05E-13	5.2E-16	1.26E-14	6.93E-16	1.37673E-14	1.423E-10	3.4966E-08	1.23972E-08	4.49011E-14	2.10137E-15	2.24116E-14	3.4962E-16
416	570670.6	4178439	0.55, 41784	0.56024	0.44648	0.47194	208.37177	63.80907	268.23017	34.72863	12.75328	41.38807	1.91E-10	4.14E-08	1.47E-08	5.89E-14	1.78E-13	1.41E-13	6.97E-16	1.68E-14	9.3E-16	1.84748E-14	1.909E-10	4.144E-08	1.47376E-08	6.02542E-14	2.8199E-15	3.00748E-14	4.69167E-16
417	570710.6	4178439	0.55, 41784	0.81434	0.64609	0.63688	258.28683	75.2647	339.8113	43.04781	16.40047	56.02404	2.74E-10	5.04E-08	1.85E-08	8.46E-14	2.56E-13	2.02E-13	1E-15	2.42E-14	1.34E-15	2.65396E-14	2.742E-10	5.044E-08	1.84882E-08	8.6557E-14	4.05087E-15	4.32034E-14	6.73972E-16
418	570750.6	4178439	0.55, 41784	1.35572	1.03003	0.91926	343.9155	93.10334	457.76974	57.16949	22.25077	76.29496	4.35E-10	6.51E-08	2.46E-08	1.34E-13	4.05E-13	3.2E-13	1.59E-15	3.84E-14	2.12E-15	4.20845E-14	4.349E-10	6.5051E-08	2.46415E-08	1.37256E-13	6.42356E-15	6.85086E-14	1.06873E-15
419	570790.6	4178439	0.55, 41784	3.18264	2.0617	1.49283	571.47263	129.70009	738.76969	95.66015	38.79176	110.20608	8.72E-10	9.88E-08	4.04E-08	2.69E-13	8.12E-13	6.42E-13	3.18E-15	7.69E-14	4.25E-15	8.43628E-14	8.718E-10	9.8784E-08	4.04176E-08	2.75143E-13	1.28767E-14	1.37333E-13	2.14239E-15
420	571070.6	4178439	0.55, 41784	4.74443	12.25677	5.33303	251.71558	235.3671	557.08631	48.15254	87.29167	78.37734	4.49E-09	1.13E-07	2.14E-08	1.38E-12	4.18E-12	3.3E-12	1.64E-14	3.96E-13	2.19E-14	4.34341E-13	4.488E-09	1.134E-07	2.14136E-08	1.41657E-12	6.62956E-14	7.07057E-13	1.10301E-14
421	571110.6	4178439	0.55, 41784	3.89854	10.39914	4.234	292.37938	213.76959	730.76501	54.55193	96.69541	95.26587	3.79E-09	1.16E-07	2.46E-08	1.17E-12	3.53E-12	2.79E-12	1.38E-14	3.34E-13	1.85E-14	3.66742E-13	3.79E-09	1.1586E-07	2.45613E-08	1.1961E-12	5.59776E-14	5.97013E-13	9.3134E-15
422	571150.6	4178439	0.55, 41784	3.24566	6.14355	3.38328	299.25996	151.74182	537.6659	53.26943	58.88405	104.89405	2.32E-09	8.65E-08	2.45E-08	7.14E-13	2.16E-12	1.7E-12	8.46E-15	2.04E-13	1.13E-14	2.24048E-13	2.315E-09	8.6547E-08	2.45376E-08	7.30716E-13	3.41975E-14	3.64724E-13	5.68969E-15
423	571190.6	4178439	0.55, 41784	2.68652	4.20662	2.81661	319.22111	114.25705	663.08885	45.60302	42.68486	97.00809	1.63E-09	8.07E-08	2.13E-08	5.02E-13	1.51E-12	1.2E-12	5.94E-15	1.43E-13	7.92E-15	1.57344E-13	1.626E-09	8.072E-08	2.13426E-08	5.13167E-13	2.40162E-14	2.56138E-13	3.99575E-15
424	571230.6	4178439	0.55, 41784	2.2851	3.10379	2.38014	355.31137	114.374	594.35462	48.25343	33.87475	78.4876	1.23E-09	7.89E-08	2.15E-08	3.78E-13	1.14E-12	9.02E-13	4.48E-15	1.08E-13	5.97E-15	1.18551E-13	1.225E-09	7.8899E-08	2.14559E-08	3.86647E-13	1.80951E-14	1.92988E-13	3.01061E-15
425	571270.6	4178439	0.55, 41784	1.91581	2.39067	2.08735	281.61312	92.35093	457.23387	43.32371	28.45229	65.31912	9.61E-10	6.25E-08	1.9E-08	2.97E-13	8.96E-13	7.07E-13	3.51E-15	8.48E-14	4.68E-15	9.30228E-14	9.613E-10	6.2452E-08	1.90236E-08	3.03387E-13	1.41985E-14	1.5143E-13	2.36231E-15
426	571310.6	4178439	0.55, 41784	1.62017	1.88774	1.73959	249.98498	75.512	443.82502	38.72011	23.46838	65.04063	7.67E-10	5.51E-08	1.73E-08	2.37E-13	7.15E-13	5.65E-13	2.8E-15	6.77E-14	3.74E-15	7.42538E-14	7.673E-10	5.5064E-08	1.7313E-08	2.42173E-13	1.13337E-14	1.20876E-13	1.88567E-15
427	571350.6	4178439	0.55, 41784	1.36969	1.52492	1.4607	207.90528	71.02603	289.54604	31.99215	18.96422	43.80183	6.25E-10	4.48E-08	1.38E-08	1.93E-13	5.82E-13	4.6E-13	2.28E-15	5.51E-14	3.04E-15	6.04527E-14	6.247E-10	4.4809E-08	1.38411E-08	1.97162E-13	9.22719E-15	9.841E-14	1.5352E-15
428	571390.6	4178439	0.55, 41784	1.16602	1.25794	1.25769	137.82846	66.02867	157.99714	21.56098	15.29437	27.7078	5.19E-10	3.44E-08	9.24E-09	1.6E-13	4.84E-13	3.82E-13	1.9E-15	4.58E-14	2.53E-15	5.02373E-14	5.191E-10	3.44E-08	9.24359E-09	1.63845E-13	7.66797E-15	8.17805E-14	1.27578E-15
429	571430.6	4178439	0.55, 41784	1.00225	1.05165	1.08939	150.81052	60.59063	188.78292	19.07395	12.70811	25.02004	4.37E-10	3.45E-08	8.2E-09	1.35E-13	4.07E-13	3.21E-13	1.6E-15	3.85E-14	2.13E-15	4.22694E-14	4.368E-10	3.4518E-08	8.20107E-09	1.37858E-13	6.45178E-15	6.88096E-14	1.07343E-15
430	571470.6	4178439	0.55, 41784	0.86528	0.88825	0.94207	153.64691	54.59461	206.40776	19.20586	10.6849	25.80097	3.71E-10	3.35E-08	8.29E-09	1.14E-13	3.45E-13	2.73E-13	1.35E-15	3.27E-14	1.81E-15	3.58686E-14	3.706E-10	3.3459E-08	8.28615E-09	1.16983E-13	5.47479E-15	5.83899E-14	9.10882E-16
431	571510.6	4178439	0.55, 41784	0.75493	0.76151	0.82291	144.52703	49.13224	189.90829	18.06588	9.74189	23.73854	3.19E-10	3.05E-08	7.77E-09	9.84E-14	2.97E-13	2.35E-13	1.17E-15	2.81E-14	1.55E-15	3.08669E-14	3.19E-10	3.0539E-08	7.76955E-09	1.0067E-13	4.71137E-15	5.02477E-14	7.83865E-16
432	571550.6	4178439	0.55, 41784	0.65913	0.65716	0.71761	127.58758	46.59598	156.05984	15.94845	8.8858	19.50748	2.76E-10	2.75E-08	6.79E-09	8.51E-14	2.57E-13	2.03E-13	1.01E-15	2.43E-14	1.34E-15	2.66985E-14	2.759E-10	2.7487E-08	6.79132E-09	8.70754E-14	4.07513E-15	4.34621E-14	6.78009E-16
433	571590.6	4178439	0.55, 41784	0.57626	0.57045	0.62441	106.82976	44.35137	118.44703	13.35372	8.08009	14.80588	2.4E-10	2.42E-08	5.62E-09	7.4E-14	2.23E-13	1.76E-13	8.76E-16	2.12E-14	1.17E-15	2.31973E-14	2.397E-10	2.4213E-08	5.61512E-09	7.56563E-14	3.54071E-15	3.77625E-14	5.89094E-16
434	570310.6	4178479	0.55, 41784	0.1113	0.08183	0.10709	74.58423	29.47815	84.27127	11.80727	4.00274	12.56763	3.63E-11	1.65E-08	4.94E-09	1.12E-14	3.38E-14	2.67E-14	1.33E-16	3.2E-15	1.77E-16	3.51014E-15	3.627E-11	1.6486E-08	4.94043E-09	1.14481E-14	5.35769E-16	5.71409E-15	8.91398E-17
435	570350.6	4178479	0.55, 41784	0.12561	0.09388	0.12027	80.0812	31.76761	91.05741	12.83362	4.33491	13.82729	4.14E-11	1.78E-08	5.38E-09	1.28E-14	3.86E-14	3.05E-14	1.51E-16	3.65E-15	2.02E-16	4.00782E-15	4.141E-11	1.7766E-08	5.37768E-09	1.30712E-14	6.11734E-16	6.52427E-15	1.01779E-16
436	570390.6	4178479	0.55, 41784	0.14146	0.10678	0.13471	86.10528	34.01158	98.86723	14.01299	4.67053	15.28263	4.7E-11	1.91E-08	5.88E-09	1.45E-14	4.37E-14	3.46E-14	1.72E-16	4.14E-15	2.29E-16	4.54403E-15	4.696E-11	1.9099E-08	5.88048E-09	1.482E-14	6.93577E-16	7.39714E-15	1.15395E-16
437	570430.6	4178479	0.55, 41784	0.16075	0.12266	0.15218	93.00088	36.36689	108.11431	15.32204	5.02469	17.00047	5.38E-11	2.06E-08	6.44E-09	1.66E-14	5.01E-14	3.96E-14	1.96E-16	4.74E-15	2.62E-16	5.20191E-15	5.375E-11	2.0569E-08	6.44336E-09	1.69657E-14	7.93993E-16	8.46811E-15	1.32102E-16
438	570470.6	4178479	0.55, 41784	0.18644	0.14379	0.17515	101.96042	39.51551	120.09702	16.93263	5.48718	19.18544	6.28E-11	2.25E-08	7.14E-09	1.94E-14	5.85E-14	4.62E-14	2.29E-16	5.54E-15	3.06E-16	6.07614E-15	6.279E-11	2.2506E-08	7.13922E-09	1.98169E-14	9.2743E-16	9.89124E-15	1.54303E-16
439	570510.6	4178479	0.55, 41784	0.22079	0.17209	0.20548	113.44919	43.50567	135.70428	18.9082	6.17272	22.02345	7.49E-11	2.5E-08	8E-09	2.31E-14	6.98E-14	5.51E-14	2.74E-16	6.61E-15	3.65E-16	7.24484E-15	7.486E-11	2.4985E-08	8.00015E-09	2.36285E-14	1.10582E-15	1.17938E-14	1.83983E-16
440	570550.6	4178479	0.55, 41784	0.2667	0.21004	0.24533	127.7059	48.20733	155.63974	21.28432	7.34053	25.62853	9.1E-11	2.8E-08	9.04E-09	2.81E-14	8.48E-14	6.7E-14	3.33E-16	8.03E-15	4.43E-16	8.8078E-15	9.102E-11	2.8006E-08	9.04457E-09	2.8726E-14	1.34438E-15	1.43381E-14	2.23674E-16
441	570590.6	4178479	0.55, 41784	0.32931	0.26248	0.29831	144.67878	53.44745	182.17951	24.11313	8.81975	30.24215	1.13E-10	3.16E-08	1.03E-08	3.49E-14	1.05E-13	8.33E-14	4.14E-16	9.99E-15	5.51E-16	1.09551E-14	1.132E-10	3.1614E-08	1.0303E-08	3.57293E-14	1.67213E-15	1.78336E-14	2.78205E-16
442	570630.6	4178479	0.55, 41784	0.42133	0.33962	0.37314	165.95931	60.05375	219.0797	27.65989	10.77683	36.51328	1.46E-10	3.63E-08	1.19E-08	4.5E-14	1.36E-13	1.07E-13	5.32E-16	1.29E-14	7.1E-16	1.40995E-14	1.457E-10	3.6319E-08	1.19035E-08	4.59846E-14	2.15208E-15	2.29524E-14	3.58057E-16
443	570670.6	4178479	0.55, 41784	0.56746	0.46145	0.48445	193.36004	69.0612	272.47405	32.22667	13.5092	45.41234	1.97E-10	4.28E-08	1.4E-08	6.07E-14	1.83E-13	1.45E-13	7.19E-16	1.74E-14	9.58E-16	1.90375E-14	1.967E-10	4.2819E-08	1.40027E-08	6.20894E-14	2.90579E-15	3.09908E-14	4.83457E-16
444	570710.6	4178479	0.55, 41784	0.83023	0.67528	0.66195	236.53606	81.84268	352.22256	39.07222	17.68943	58.70376	2.86E-10	5.24E-08	1.71E-08	8.82E-14	2.66E-13	2.1E-13	1.04E-15	2.52E-14	1.39E-15	2.76464E-14	2.857E-10	5.2387E-08	1.71472E-08	9.01668E-14	4.21981E-15	4.50051E-14	7.0208E-16
445	570750.6	4178479	0.55, 41784	1.42426	1.12918	0.97629	342.03514	102.90165	482.1747	49.67165	25.1054	80.36245	4.73E-10	6.94E-08	2.21E-08	1.46E-13	4.41E-13	3.48E-13	1.73E-15	4.17E-14	2.3E-15	4.57697E-14	4.73E-10	6.9367E-08	2.20664E-08	1.49275E-13	6.98605E-15	7.45077E-14	1.16232E-15
446	570790.6	4178479	0.55, 41784	3.63047	2.75084	1.62936	596.75244	187.47347	722.34167	107.7468	51.23422	120.39028	1.12E-09	1.18E-07	4.53E-08	3.47E-13	1.05E-12	8.27E-13	4.1E-15	9.91E-14	5.47E-15	1.087E-13	1.123E-09	1.1811E-07	4.53498E-08	3.54518E-13	1.65915E-14	1.76951E-13	2.76044E-15
447	571030.6	4178479	0.55, 41784	9.40071	15.68167	11.18665	333.68631	267.08575	756.18793	81.11776	110.69164	178.64972	6.07E-09	1.36E-07	3.82E-08	1.87E-12	5.66E-12	4.47E-12	2.22E-14	5.36E-13	2.96E-14	5.87439E-13	6.07E-09	1.3626E-07	3.82481E-08	1.91589E-12	8.96636E-14	9.56281E-13	1.4918E-14
448	571070.6	4178479	0.55, 41784	5.59712	9.0131	6.53916	216.22006	204.77885	522.16381	54.58514	76.29745	101.00005	3.5E-09	1E-07	2.48E-08	1.08E-12	3.26E-12	2.58E-12	1.28E-14	3.09E-13	1.71E-14	3.38828E-13	3.501E-09	1.003E-07	2.48411E-08	1.10506E-12	5.1717E-14	5.51573E-13	8.60453E-15
449	571110.6	4178479	0.55, 41784	3.86033	5.8724	4.45436	232.77263	158.88759	526.3096	40.87392	60.11848	68.10823	2.3E-09	8.59E-08	1.83E-08	7.09E-13	2.14E-12	1.69E-12	8.4E-15	2.03E-13	1.12E-14	2.22407E-13	2.298E-09	8.5904E-08	1.82504E-08	7.25364E-13	3.3947E-14	3.62052E-13	5.64802E-15
450	571150.6	4178479	0.55, 41784	2.87873	4.17215	3.24074	243.47288	131.88403	510.79766	36.94401	47.80365	68.59206	1.64E-09	7.66E-08	1.68E-08	5.07E-13	1.53E-12	1.21E-12	6E-15	1.45E-13	8E-15	1.58848E-13	1.641E-09	7.663E-08	1.68237E-08	5.18071E-13	2.42457E-14	2.58586E-13	4.03394E-15
451	571190.6	4178479	0.55, 41784	2.25924	3.11768	2.54212	272.99859	103.34976	495.79992	40.61499	35.56429	82.63332	1.24E-09	6.76E-08	1.88E-08	3.81E-13	1.15E-12	9.1E-13	4.52E-15	1.09E-13	6.02E-15	1.19635E-13	1.236E-09	6.7575E-08	1.88325E-08	3.9018E-13	1.82604E-14	1.94751E-13	3.03812E-15
452	571230.6	4178479	0.55, 41784	1.86428	2.43731	2.04705	228.60917	88.43023	428.91859	34.9281	28.65964	53.61482	9.73E-10	5.79E-08	1.54E-08	3E-13	9.06E-13	7.16E-13	3.55E-15	8.59E-14	4.74E-15	9.41507E-14	9.729E-10	5.7853E-08	1.53816E-08	3.07066E-13	1.43707E-14	1.53266E-13	2.39095E-15
453	571270.6	4178479	0.55, 41784	1.58233	1.95726	1.72288	275.18297	89.4878	451.79055	39.56066	24.38596	62.99097	7.88E-10	6.1E-08	1.75E-08	2.43E-13	7.34E-13	5.8E-13	2.88E-15	6.96E-14	3.84E-15	7.62715E-14	7.882E-10	6.1009E-08	1.75273E-08	2.48754E-13	1.16417E-14	1.24161E-13	1.93691E-15
454	571310.6	4178479	0.55, 41784	1.35793	1.6065	1.5101	222.77943	77.47813	328.49847	32.82803	21.05024	46.46168	6.54E-10	4.93E-08	1.43E-08	2.02E-13	6.09E-13	4.81E-13	2.39E-15	5.77E-14	3.18E-15	6.32499E-14	6.536E-10	4.932E-08	1.42734E-08	2.06285E-13	9.65414E-15	1.02963E-13	1.60623E-15
455	571350.6	4178479	0.55, 41784	1.1642	1.33076	1.27594	210.30644	64.61424	297.95893	30.9494	18.13628	42.55235	5.44E-10	4.32E-08	1.34E-08	1.68E-13	5.07E-13	4E-13	1.99E-15	4.8E-14	2.65E-15	5.26488E-14	5.44E-10	4.3166E-08	1.33983E-08	1.7171E-13	8.03604E-15	8.57061E-14	1.33702E-15
456	571390.6	4178479	0.55, 41784	1.001	1.11694	1.07653	187.8278	60.73144	278.37154	27.7002	15.35336	39.86006	4.58E-10	4.01E-08	1.21E-08	1.41E-13	4.27E-13	3.37E-13	1.67E-15	4.04E-14	2.23E-15	4.43009E-14	4.578E-10	4.0126E-08	1.20745E-08	1.44484E-13	6.76186E-15	7.21167E-14	1.12502E-15
457	571430.6	4178479	0.55, 41784	0.8626	0.94616	0.9271	141.00765	57.76687	153.44465	20.99683	12.7525	23.01436	3.89E-10	3.16E-08	8.82E-09	1.2E-13	3.62E-13	2.86E-13	1.42E-15	3.43E-14	1.9E-15	3.76487E-14	3.89E-10	3.1568E-08	8.81659E-09	1.22789E-13	5.74651E-15	6.12877E-14	9.56089E-16
458	571470.6	4178479	0.55, 41784	0.75511	0.81334	0.81471	85.41876	54.87579	110.14274	13.60469	11.10539	17.11986	3.36E-10	2.65E-08	5.82E-09	1.04E-13	3.13E-13	2.47E-13	1.23E-15	2.96E-14	1.64E-15	3.2493E-14	3.358E-10	2.6515E-08	5.81563E-09	1.05973E-13	4.95956E-15	5.28947E-14	8.25158E-16
459	571510.6	4178479	0.55, 41784	0.666	0.70453	0.71826	104.54177	51.61661	121.24791	13.06772	9.4895	15.99878	2.92E-10	2.67E-08	5.57E-09	9.01E-14	2.72E-13	2.15E-13	1.07E-15	2.58E-14	1.42E-15	2.82457E-14	2.919E-10	2.6666E-08	5.56531E-09	9.21211E-14	4.31127E-15	4.59806E-14	7.17297E-16
460	571550.6	4178479	0.55, 41784	0.58993	0.61436	0.63446	114.23468	47.78612	141.81512	14.27934	8.47335	17.72689	2.55E-10	2.67E-08	6.09E-09	7.88E-14	2.38E-13	1.88E-13	9.32E-16	2.25E-14	1.24E-15	2.47004E-14	2.552E-10	2.6718E-08	6.09274E-09	8.05586E-14	3.77014E-15	4.02094E-14	6.27266E-16
461	571590.6	4178479	0.55, 41784	0.5248	0.5396	0.56365	114.71837	43.31659	143.69009	14.3398	7.89274	17.96126	2.25E-10	2.53E-08	6.13E-09	6.93E-14	2.09E-13	1.65E-13	8.21E-16	1.98E-14	1.09E-15	2.17476E-14	2.247E-10	2.5342E-08	6.12597E-09	7.09282E-14	3.31944E-15	3.54025E-14	5.5228E-16
462	570310.6	4178519	0.55, 41785	0.10968	0.08323	0.10459	75.92481	30.95134	85.20389	12.65413	4.31611	14.20065	3.66E-11	1.71E-08	5.33E-09	1.13E-14	3.41E-14	2.69E-14	1.34E-16	3.23E-15	1.78E-16	3.5379E-15	3.656E-11	1.7067E-08	5.3289E-09	1.15386E-14	5.40007E-16	5.75929E-15	8.9845E-17
463	570350.6	4178519	0.55, 41785	0.12253	0.09413	0.11632	80.98331	32.52203	91.70345	13.49722	4.56123	15.28391	4.12E-11	1.81E-08	5.69E-09	1.27E-14	3.84E-14	3.03E-14	1.51E-16	3.64E-15	2.01E-16	3.98688E-15	4.12E-11	1.808E-08	5.69034E-09	1.30029E-14	6.08537E-16	6.49018E-15	1.01247E-16
464	570390.6	4178519	0.55, 41785	0.13706	0.10653	0.12954	86.4192	34.09518	99.00991	14.4032	4.78567	16.50165	4.65E-11	1.91E-08	6.08E-09	1.43E-14	4.33E-14	3.42E-14	1.7E-16	4.1E-15	2.26E-16	4.49677E-15	4.647E-11	1.9145E-08	6.08125E-09	1.46659E-14	6.86364E-16	7.32022E-15	1.14195E-16
465	570430.6	4178519	0.55, 41785	0.15657	0.12308	0.14711	93.48729	36.56809	108.68156	15.58121	5.11226	18.11359	5.35E-11	2.07E-08	6.59E-09	1.65E-14	4.98E-14	3.94E-14	1.95E-16	4.72E-15	2.61E-16	5.1774E-15	5.35E-11	2.068E-08	6.59086E-09	1.68857E-14	7.90251E-16	8.42819E-15	1.3148E-16
466	570470.6	4178519	0.55, 41785	0.18113	0.14422	0.16907	101.65142	39.2669	120.52836	16.9419	5.47129	20.08806	6.24E-11	2.24E-08	7.18E-09	1.93E-14	5.82E-14	4.6E-14	2.28E-16	5.51E-15	3.04E-16	6.0433E-15	6.245E-11	2.2432E-08	7.18475E-09	1.97098E-14	9.22418E-16	9.83779E-15	1.53469E-16
467	570510.6	4178519	0.55, 41785	0.21556	0.17373	0.19928	112.42418	43.21366	137.68321	18.73736	6.23491	22.9472	7.49E-11	2.49E-08	7.98E-09	2.31E-14	6.98E-14	5.51E-14	2.74E-16	6.61E-15	3.65E-16	7.25056E-15	7.492E-11	2.4942E-08	7.98024E-09	2.36472E-14	1.10669E-15	1.18031E-14	1.84128E-16
468	570550.6	4178519	0.55, 41785	0.26244	0.21401	0.23948	127.39838	48.06291	159.66591	20.89373	7.26318	26.61098	9.19E-11	2.81E-08	8.95E-09	2.84E-14	8.56E-14	6.76E-14	3.36E-16	8.11E-15	4.48E-16	8.89334E-15	9.19E-11	2.8134E-08	8.94637E-09	2.9005E-14	1.35743E-15	1.44773E-14	2.25846E-16
469	570590.6	4178519	0.55, 41785	0.32438	0.26815	0.29055	146.74921	52.55391	186.84388	23.05175	8.49659	31.14065	1.15E-10	3.16E-08	9.95E-09	3.53E-14	1.07E-13	8.43E-14	4.18E-16	1.01E-14	5.58E-16	1.10841E-14	1.145E-10	3.1613E-08	9.95349E-09	3.61501E-14	1.69182E-15	1.80437E-14	2.81481E-16
470	570630.6	4178519	0.55, 41785	0.41604	0.34788	0.36203	170.82398	60.03664	221.85088	25.41079	10.076	36.97515	1.48E-10	3.66E-08	1.11E-08	4.56E-14	1.38E-13	1.09E-13	5.4E-16	1.3E-14	7.2E-16	1.42952E-14	1.477E-10	3.6625E-08	1.10956E-08	4.66228E-14	2.18195E-15	2.32709E-14	3.63026E-16
471	570670.6	4178519	0.55, 41785	0.56352	0.47347	0.46761	210.6175	71.54419	266.74609	27.95974	12.2085	44.45768	2E-10	4.4E-08	1.24E-08	6.16E-14	1.86E-13	1.47E-13	7.3E-16	1.76E-14	9.73E-16	1.93328E-14	1.998E-10	4.4018E-08	1.23847E-08	6.30524E-14	2.95085E-15	3.14715E-14	4.90955E-16
472	570710.6	4178519	0.55, 41785	0.82936	0.69158	0.6351	257.30872	94.91316	337.8148	32.16359	16.3308	53.60133	2.9E-10	5.68E-08	1.44E-08	8.94E-14	2.7E-13	2.13E-13	1.06E-15	2.56E-14	1.41E-15	2.80449E-14	2.898E-10	5.6822E-08	1.43615E-08	9.14663E-14	4.28062E-15	4.56538E-14	7.12199E-16
473	570750.6	4178519	0.55, 41785	1.36529	1.13262	0.93188	327.60111	130.96882	473.41526	45.80096	29.91109	62.68561	4.7E-10	7.77E-08	1.98E-08	1.45E-13	4.38E-13	3.46E-13	1.72E-15	4.15E-14	2.29E-15	4.54665E-14	4.698E-10	7.7722E-08	1.98143E-08	1.48286E-13	6.93978E-15	7.40142E-14	1.15462E-15
474	570790.6	4178519	0.55, 41785	2.09469	1.90095	1.39228	339.24086	174.34023	730.67406	59.4987	49.70987	91.33426	7.73E-10	1.05E-07	2.62E-08	2.39E-13	7.2E-13	5.69E-13	2.82E-15	6.82E-14	3.77E-15	7.48233E-14	7.732E-10	1.0453E-07	2.62021E-08	2.44031E-13	1.14206E-14	1.21804E-13	1.90014E-15
475	570990.6	4178519	0.55, 41785	30.9381	16.28557	11.79039	1645.60932	278.46944	1244.70182	444.29015	131.46412	279.7997	7.1E-09	2.12E-07	1.77E-07	2.19E-12	6.62E-12	5.23E-12	2.59E-14	6.27E-13	3.46E-14	6.87325E-13	7.102E-09	2.1179E-07	1.76892E-07	2.24166E-12	1.0491E-13	1.11888E-12	1.74546E-14
476	571030.6	4178519	0.55, 41785	10.39533	8.05295	7.62595	575.07494	188.36146	999.69988	130.51861	75.45666	173.23921	3.41E-09	1.31E-07	5.62E-08	1.05E-12	3.18E-12	2.51E-12	1.25E-14	3.01E-13	1.66E-14	3.30269E-13	3.413E-09	1.3053E-07	5.62129E-08	1.07715E-12	5.04106E-14	5.3764E-13	8.38718E-15
477	571070.6	4178519	0.55, 41785	5.62777	5.38206	5.21191	327.13066	151.27996	542.64793	61.45445	56.79768	91.26612	2.24E-09	8.77E-08	2.69E-08	6.9E-13	2.08E-12	1.65E-12	8.17E-15	1.97E-13	1.09E-14	2.16484E-13	2.237E-09	8.7667E-08	2.69201E-08	7.06046E-13	3.30429E-14	3.5241E-13	5.49759E-15
478	571110.6	4178519	0.55, 41785	3.70135	3.92679	3.70614	194.51307	130.68512	402.95521	41.68788	44.49195	69.09918	1.61E-09	6.94E-08	1.86E-08	4.98E-13	1.5E-12	1.19E-12	5.89E-15	1.42E-13	7.86E-15	1.56051E-13	1.613E-09	6.9374E-08	1.85968E-08	5.08947E-13	2.38187E-14	2.54032E-13	3.9629E-15
479	571150.6	4178519	0.55, 41785	2.69329	3.00723	2.77155	208.02281	103.35418	440.08145	30.40761	37.50867	55.01018	1.23E-09	6.26E-08	1.38E-08	3.78E-13	1.14E-12	9.03E-13	4.48E-15	1.08E-13	5.97E-15	1.18696E-13	1.227E-09	6.2552E-08	1.37797E-08	3.87118E-13	1.81171E-14	1.93223E-13	3.01428E-15
480	571190.6	4178519	0.55, 41785	2.08526	2.38411	2.19601	205.94825	100.14217	330.97092	32.90062	31.32752	44.74048	9.7E-10	5.63E-08	1.42E-08	2.99E-13	9.04E-13	7.14E-13	3.55E-15	8.56E-14	4.73E-15	9.3915E-14	9.705E-10	5.6319E-08	1.42199E-08	3.06297E-13	1.43347E-14	1.52883E-13	2.38497E-15
481	571230.6	4178519	0.55, 41785	1.66362	1.91731	1.76389	215.41751	83.66277	360.55042	30.77393	25.17962	52.13444	7.8E-10	5.26E-08	1.38E-08	2.41E-13	7.27E-13	5.74E-13	2.85E-15	6.88E-14	3.8E-15	7.54689E-14	7.799E-10	5.2591E-08	1.37806E-08	2.46136E-13	1.15192E-14	1.22854E-13	1.91653E-15
482	571270.6	4178519	0.55, 41785	1.38104	1.58176	1.44385	194.90891	74.63088	227.07234	31.16799	21.56574	34.54332	6.43E-10	4.26E-08	1.31E-08	1.98E-13	5.99E-13	4.73E-13	2.35E-15	5.68E-14	3.13E-15	6.22407E-14	6.432E-10	4.2604E-08	1.31052E-08	2.02994E-13	9.50011E-15	1.01321E-13	1.5806E-15
483	571310.6	4178519	0.55, 41785	1.18628	1.33473	1.24995	227.7435	74.01926	353.91479	34.0231	18.88588	51.12416	5.45E-10	4.95E-08	1.49E-08	1.68E-13	5.08E-13	4.01E-13	1.99E-15	4.81E-14	2.65E-15	5.27386E-14	5.45E-10	4.9545E-08	1.49316E-08	1.72003E-13	8.04974E-15	8.58522E-14	1.33929E-15
484	571350.6	4178519	0.55, 41785	1.02794	1.1349	1.10387	186.21806	66.32591	255.87469	28.09378	16.3212	37.6065	4.66E-10	4.09E-08	1.21E-08	1.44E-13	4.34E-13	3.43E-13	1.7E-15	4.11E-14	2.27E-15	4.50977E-14	4.66E-10	4.0871E-08	1.21145E-08	1.47083E-13	6.88348E-15	7.34138E-14	1.14526E-15
485	571390.6	4178519	0.55, 41785	0.88898	0.96986	0.94947	165.64096	58.31983	230.86073	23.55305	14.40747	29.95608	3.99E-10	3.63E-08	1.01E-08	1.23E-13	3.72E-13	2.94E-13	1.46E-15	3.52E-14	1.94E-15	3.86052E-14	3.989E-10	3.6283E-08	1.00831E-08	1.25908E-13	5.89249E-15	6.28447E-14	9.80377E-16
486	571430.6	4178519	0.55, 41785	0.7696	0.83467	0.8102	166.81635	54.79876	235.11797	23.72844	12.50769	32.6638	3.43E-10	3.54E-08	1.03E-08	1.06E-13	3.2E-13	2.53E-13	1.25E-15	3.03E-14	1.67E-15	3.32091E-14	3.432E-10	3.5538E-08	1.02741E-08	1.08309E-13	5.06886E-15	5.40605E-14	8.43344E-16
487	571470.6	4178519	0.55, 41785	0.67066	0.72494	0.7032	138.40145	51.97552	171.46902	19.82816	10.73341	24.30543	2.98E-10	3.04E-08	8.45E-09	9.2E-14	2.78E-13	2.19E-13	1.09E-15	2.63E-14	1.45E-15	2.88491E-14	2.981E-10	3.0392E-08	8.44586E-09	9.40893E-14	4.40338E-15	4.6963E-14	7.32623E-16
488	571510.6	4178519	0.55, 41785	0.58987	0.63439	0.62004	93.94363	49.66848	89.41667	13.736	9.50533	13.29785	2.61E-10	2.41E-08	5.69E-09	8.06E-14	2.43E-13	1.92E-13	9.54E-16	2.31E-14	1.27E-15	2.52775E-14	2.612E-10	2.414E-08	5.68574E-09	8.24409E-14	3.85823E-15	4.11489E-14	6.41922E-16
489	571550.6	4178519	0.55, 41785	0.52422	0.55926	0.55249	64.7066	47.53612	82.72316	9.81761	8.44297	11.85775	2.31E-10	2.2E-08	4.17E-09	7.12E-14	2.15E-13	1.7E-13	8.43E-16	2.04E-14	1.12E-15	2.23257E-14	2.307E-10	2.203E-08	4.17359E-09	7.28137E-14	3.40768E-15	3.63436E-14	5.6696E-16
490	571590.6	4178519	0.55, 41785	0.47148	0.49721	0.49682	75.39988	45.27823	83.60413	9.54319	7.49343	11.2302	2.06E-10	2.17E-08	4.04E-09	6.34E-14	1.92E-13	1.51E-13	7.51E-16	1.81E-14	1E-15	1.98937E-14	2.056E-10	2.1722E-08	4.04312E-09	6.48817E-14	3.03646E-15	3.23845E-14	5.05199E-16
491	570310.6	4178559	0.55, 41785	0.10731	0.08405	0.10201	76.80272	30.54078	89.48595	12.80045	4.19275	14.91432	3.66E-11	1.72E-08	5.42E-09	1.13E-14	3.41E-14	2.7E-14	1.34E-16	3.23E-15	1.78E-16	3.544E-15	3.662E-11	1.7164E-08	5.41616E-09	1.15585E-14	5.40937E-16	5.76921E-15	8.99997E-17
492	570350.6	4178559	0.55, 41785	0.11907	0.09438	0.11262	82.9813	31.5625	94.82328	13.39224	4.31782	15.80388	4.1E-11	1.8E-08	5.68E-09	1.26E-14	3.82E-14	3.02E-14	1.5E-16	3.62E-15	2E-16	3.9657E-15	4.098E-11	1.7982E-08	5.67589E-09	1.29338E-14	6.05304E-16	6.4557E-15	1.00709E-16
493	570390.6	4178559	0.55, 41785	0.1339	0.10748	0.12591	90.55746	32.83588	101.05325	14.07263	4.47793	16.84221	4.65E-11	1.9E-08	5.98E-09	1.43E-14	4.33E-14	3.42E-14	1.7E-16	4.1E-15	2.26E-16	4.49944E-15	4.65E-11	1.8978E-08	5.97524E-09	1.46746E-14	6.86771E-16	7.32456E-15	1.14263E-16
494	570430.6	4178559	0.55, 41785	0.15297	0.12443	0.14282	99.07784	34.42492	111.25467	14.88754	4.68196	18.0897	5.36E-11	2.03E-08	6.33E-09	1.65E-14	5E-14	3.95E-14	1.96E-16	4.73E-15	2.61E-16	5.18833E-15	5.361E-11	2.0298E-08	6.33395E-09	1.69213E-14	7.91919E-16	8.44599E-15	1.31757E-16
495	570470.6	4178559	0.55, 41785	0.17711	0.14611	0.16369	108.3811	37.13833	125.77833	15.68816	5.10948	19.33096	6.27E-11	2.22E-08	6.69E-09	1.93E-14	5.84E-14	4.61E-14	2.29E-16	5.53E-15	3.05E-16	6.06511E-15	6.267E-11	2.2222E-08	6.6871E-09	1.97809E-14	9.25747E-16	9.87329E-15	1.54023E-16
496	570510.6	4178559	0.55, 41785	0.21022	0.1758	0.19176	119.02071	41.74654	144.28309	16.67371	5.7123	20.76073	7.51E-11	2.5E-08	7.12E-09	2.32E-14	6.99E-14	5.52E-14	2.74E-16	6.62E-15	3.66E-16	7.26372E-15	7.506E-11	2.501E-08	7.11724E-09	2.36901E-14	1.1087E-15	1.18245E-14	1.84462E-16
497	570550.6	4178559	0.55, 41785	0.25686	0.21737	0.22998	138.81712	48.97119	169.0217	17.78034	6.5378	22.20322	9.24E-11	2.93E-08	7.59E-09	2.85E-14	8.61E-14	6.8E-14	3.37E-16	8.15E-15	4.5E-16	8.93806E-15	9.236E-11	2.9298E-08	7.59262E-09	2.91508E-14	1.36426E-15	1.45501E-14	2.26982E-16
498	570590.6	4178559	0.55, 41785	0.31921	0.27311	0.27901	158.95656	55.69599	196.40207	19.86957	7.90259	24.55026	1.15E-10	3.36E-08	8.47E-09	3.56E-14	1.08E-13	8.5E-14	4.22E-16	1.02E-14	5.62E-16	1.11724E-14	1.155E-10	3.3556E-08	8.47255E-09	3.64381E-14	1.7053E-15	1.81874E-14	2.83724E-16
499	570630.6	4178559	0.55, 41785	0.41072	0.35398	0.34795	180.38278	65.18573	228.48167	22.54785	9.64997	28.56021	1.49E-10	3.9E-08	9.65E-09	4.59E-14	1.39E-13	1.1E-13	5.44E-16	1.31E-14	7.25E-16	1.44081E-14	1.489E-10	3.8997E-08	9.64729E-09	4.69909E-14	2.19917E-15	2.34547E-14	3.65893E-16
500	570670.6	4178559	0.55, 41785	0.55178	0.47716	0.45068	218.05495	85.23197	290.43238	27.25687	14.02323	36.30405	2E-10	4.99E-08	1.17E-08	6.16E-14	1.86E-13	1.47E-13	7.3E-16	1.76E-14	9.73E-16	1.93323E-14	1.998E-10	4.9938E-08	1.17451E-08	6.30509E-14	2.95078E-15	3.14707E-14	4.90943E-16
501	570710.6	4178559	0.55, 41785	0.78132	0.6809	0.62169	244.71244	105.12049	355.26836	32.595	21.74638	44.40855	2.84E-10	6.05E-08	1.41E-08	8.76E-14	2.64E-13	2.09E-13	1.04E-15	2.5E-14	1.38E-15	2.74683E-14	2.838E-10	6.055E-08	1.40917E-08	8.95857E-14	4.19261E-15	4.47151E-14	6.97556E-16
502	570750.6	4178559	0.55, 41785	1.13763	1.02831	0.92752	276.33124	124.7524	514.56755	39.47589	32.46528	64.32094	4.27E-10	7.57E-08	1.76E-08	1.32E-13	3.97E-13	3.14E-13	1.56E-15	3.76E-14	2.08E-15	4.12789E-14	4.266E-10	7.5668E-08	1.75581E-08	1.34628E-13	6.3006E-15	6.71972E-14	1.04828E-15
503	570790.6	4178559	0.55, 41785	1.48115	1.46435	1.34156	285.306	157.20995	776.24295	43.19026	42.97795	97.64972	6.03E-10	9.9E-08	2.05E-08	1.86E-13	5.62E-13	4.44E-13	2.2E-15	5.32E-14	2.94E-15	5.83747E-14	6.032E-10	9.8969E-08	2.04828E-08	1.90385E-13	8.91001E-15	9.50271E-14	1.48242E-15
504	570830.6	4178559	0.55, 41785	2.67811	2.99292	2.3948	342.02881	178.80856	871.65336	66.23843	64.34565	121.28657	1.2E-09	1.13E-07	3.01E-08	3.71E-13	1.12E-12	8.86E-13	4.4E-15	1.06E-13	5.86E-15	1.16481E-13	1.204E-09	1.127E-07	3.00849E-08	3.79894E-13	1.77791E-14	1.89617E-13	2.95803E-15
505	570950.6	4178559	0.55, 41785	26.55575	12.00196	5.05287	679.01352	318.67052	1487.06516	280.37281	116.3834	245.48668	5.2E-09	2E-07	1.15E-07	1.61E-12	4.85E-12	3.83E-12	1.9E-14	4.59E-13	2.54E-14	5.03684E-13	5.205E-09	2.0034E-07	1.14844E-07	1.64273E-12	7.68797E-14	8.19938E-13	1.2791E-14
506	570990.6	4178559	0.55, 41785	10.52141	6.96087	4.44153	639.29991	205.65266	1371.63359	133.52138	75.6432	174.17097	2.91E-09	1.56E-07	5.74E-08	8.97E-13	2.71E-12	2.14E-12	1.06E-14	2.57E-13	1.42E-14	2.8132E-13	2.907E-09	1.5602E-07	5.73637E-08	9.17505E-13	4.29392E-14	4.57956E-13	7.14411E-15
507	571030.6	4178559	0.55, 41785	6.12086	4.69941	3.63304	562.31532	143.87555	907.33173	97.52112	53.65332	135.00156	1.96E-09	1.11E-07	4.23E-08	6.03E-13	1.82E-12	1.44E-12	7.14E-15	1.73E-13	9.53E-15	1.89241E-13	1.956E-09	1.11E-07	4.22607E-08	6.17195E-13	2.88847E-14	3.08062E-13	4.80576E-15
508	571070.6	4178559	0.55, 41785	4.00501	3.46908	2.98955	291.75499	122.4909	364.39166	69.10596	41.80504	75.82917	1.44E-09	6.85E-08	2.9E-08	4.44E-13	1.34E-12	1.06E-12	5.26E-15	1.27E-13	7.01E-15	1.39231E-13	1.439E-09	6.8488E-08	2.90215E-08	4.54093E-13	2.12515E-14	2.26652E-13	3.53577E-15
509	571110.6	4178559	0.55, 41785	2.89394	2.70355	2.4438	288.47324	105.99812	437.78623	48.03981	36.46899	59.71453	1.12E-09	6.63E-08	2.05E-08	3.45E-13	1.04E-12	8.23E-13	4.08E-15	9.87E-14	5.45E-15	1.082E-13	1.118E-09	6.6324E-08	2.05013E-08	3.52888E-13	1.65152E-14	1.76138E-13	2.74775E-15
510	571150.6	4178559	0.55, 41785	2.21115	2.17534	2.01472	240.56187	97.79178	377.92847	31.90722	30.3701	47.66793	8.98E-10	5.9E-08	1.4E-08	2.77E-13	8.36E-13	6.61E-13	3.28E-15	7.92E-14	4.37E-15	8.68551E-14	8.975E-10	5.9023E-08	1.39901E-08	2.83272E-13	1.32571E-14	1.4139E-13	2.20568E-15
511	571190.6	4178559	0.55, 41785	1.76303	1.79806	1.6955	177.14345	83.63267	264.27885	24.55859	26.34777	34.50528	7.41E-10	4.67E-08	1.07E-08	2.29E-13	6.9E-13	5.45E-13	2.71E-15	6.54E-14	3.61E-15	7.16943E-14	7.409E-10	4.6661E-08	1.06661E-08	2.33826E-13	1.0943E-14	1.1671E-13	1.82067E-15
512	571230.6	4178559	0.55, 41785	1.44054	1.50665	1.43503	192.87207	80.98435	306.26039	29.09943	22.26218	51.0434	6.2E-10	4.83E-08	1.31E-08	1.91E-13	5.78E-13	4.56E-13	2.27E-15	5.47E-14	3.02E-15	6.00067E-14	6.201E-10	4.8329E-08	1.31122E-08	1.95708E-13	9.15912E-15	9.76839E-14	1.52387E-15
513	571270.6	4178559	0.55, 41785	1.19178	1.27042	1.20125	167.21575	71.42327	283.3883	22.32638	19.23301	35.42354	5.22E-10	4.31E-08	9.89E-09	1.61E-13	4.86E-13	3.84E-13	1.91E-15	4.6E-14	2.54E-15	5.04759E-14	5.216E-10	4.3135E-08	9.88582E-09	1.64623E-13	7.70437E-15	8.21688E-14	1.28183E-15
514	571310.6	4178559	0.55, 41785	1.01245	1.08581	1.02025	169.23295	65.49002	155.67948	26.6418	16.91234	25.18935	4.45E-10	3.53E-08	1.1E-08	1.37E-13	4.15E-13	3.28E-13	1.63E-15	3.93E-14	2.17E-15	4.30897E-14	4.453E-10	3.5286E-08	1.09997E-08	1.40534E-13	6.57699E-15	7.0145E-14	1.09426E-15
515	571350.6	4178559	0.55, 41785	0.8838	0.94242	0.90608	194.09519	63.64749	285.0024	28.90026	14.99354	40.61241	3.88E-10	4.16E-08	1.26E-08	1.2E-13	3.61E-13	2.85E-13	1.42E-15	3.42E-14	1.89E-15	3.75105E-14	3.876E-10	4.1636E-08	1.25521E-08	1.22338E-13	5.7254E-15	6.10626E-14	9.52577E-16
516	571390.6	4178559	0.55, 41785	0.78025	0.82372	0.8159	158.10154	57.98385	206.74246	23.81897	12.89204	30.22211	3.4E-10	3.48E-08	1.02E-08	1.05E-13	3.17E-13	2.5E-13	1.24E-15	3E-14	1.66E-15	3.29221E-14	3.402E-10	3.4765E-08	1.01936E-08	1.07373E-13	5.02505E-15	5.35933E-14	8.36055E-16
517	571430.6	4178559	0.55, 41785	0.68512	0.72115	0.71821	137.68904	52.2569	180.06144	18.93914	11.62385	25.68604	2.98E-10	3.09E-08	8.18E-09	9.2E-14	2.78E-13	2.19E-13	1.09E-15	2.63E-14	1.45E-15	2.88476E-14	2.981E-10	3.086E-08	8.18243E-09	9.40842E-14	4.40314E-15	4.69604E-14	7.32583E-16
518	571470.6	4178559	0.55, 41785	0.60049	0.63425	0.62389	143.56241	49.93475	187.32246	19.90478	10.29716	25.60594	2.62E-10	3.06E-08	8.53E-09	8.08E-14	2.44E-13	1.93E-13	9.56E-16	2.31E-14	1.28E-15	2.53288E-14	2.617E-10	3.0648E-08	8.53479E-09	8.2608E-14	3.86606E-15	4.12323E-14	6.43224E-16
519	571510.6	4178559	0.55, 41785	0.52736	0.56045	0.5447	131.02036	47.72087	167.66109	18.26486	8.99798	23.11602	2.31E-10	2.85E-08	7.81E-09	7.12E-14	2.15E-13	1.7E-13	8.43E-16	2.04E-14	1.12E-15	2.234E-14	2.309E-10	2.8529E-08	7.81388E-09	7.28604E-14	3.40987E-15	3.6367E-14	5.67325E-16
520	571550.6	4178559	0.55, 41785	0.46874	0.49944	0.48529	99.50634	45.73793	109.0385	14.05158	8.03042	15.4257	2.06E-10	2.4E-08	5.9E-09	6.35E-14	1.92E-13	1.51E-13	7.51E-16	1.81E-14	1E-15	1.99032E-14	2.057E-10	2.396E-08	5.90139E-09	6.49129E-14	3.03793E-15	3.24001E-14	5.05442E-16
521	571590.6	4178559	0.55, 41785	0.42104	0.44786	0.43792	63.39282	43.98321	60.02596	9.17705	7.35207	9.24249	1.85E-10	1.97E-08	3.82E-09	5.7E-14	1.72E-13	1.36E-13	6.74E-16	1.63E-14	8.99E-16	1.78627E-14	1.846E-10	1.9744E-08	3.81536E-09	5.82578E-14	2.72647E-15	2.90784E-14	4.53622E-16
522	570310.6	4178599	0.55, 41785	0.10507	0.08466	0.09914	83.25071	28.48032	95.05484	11.19876	3.62883	12.56574	3.66E-11	1.7E-08	4.72E-09	1.13E-14	3.41E-14	2.69E-14	1.34E-16	3.23E-15	1.78E-16	3.54251E-15	3.661E-11	1.6981E-08	4.71594E-09	1.15536E-14	5.40711E-16	5.7668E-15	8.9962E-17
523	570350.6	4178599	0.55, 41785	0.11716	0.09561	0.10985	88.57329	30.33455	103.53599	11.44069	3.79182	12.942	4.12E-11	1.82E-08	4.82E-09	1.27E-14	3.84E-14	3.03E-14	1.5E-16	3.63E-15	2.01E-16	3.98575E-15	4.119E-11	1.819E-08	4.82271E-09	1.29992E-14	6.08364E-16	6.48833E-15	1.01218E-16
524	570390.6	4178599	0.55, 41785	0.13131	0.10865	0.12235	93.2639	32.45644	112.44406	11.65799	4.05706	14.05551	4.66E-11	1.95E-08	4.95E-09	1.44E-14	4.34E-14	3.43E-14	1.7E-16	4.11E-15	2.27E-16	4.51154E-15	4.662E-11	1.9484E-08	4.95479E-09	1.47141E-14	6.88618E-16	7.34426E-15	1.1457E-16
525	570430.6	4178599	0.55, 41785	0.15022	0.126	0.13878	103.53542	36.02365	122.12845	12.94193	4.50296	15.26606	5.38E-11	2.15E-08	5.48E-09	1.66E-14	5.02E-14	3.96E-14	1.97E-16	4.75E-15	2.62E-16	5.21051E-15	5.384E-11	2.1502E-08	5.48474E-09	1.69937E-14	7.95305E-16	8.4821E-15	1.32321E-16
526	570470.6	4178599	0.55, 41785	0.17421	0.14819	0.15942	115.63183	39.91557	131.63773	14.45398	5.34922	16.45472	6.31E-11	2.37E-08	6.1E-09	1.95E-14	5.88E-14	4.64E-14	2.3E-16	5.56E-15	3.07E-16	6.10207E-15	6.306E-11	2.3687E-08	6.09779E-09	1.99015E-14	9.31389E-16	9.93346E-15	1.54962E-16
527	570510.6	4178599	0.55, 41785	0.20799	0.17912	0.18803	128.15759	44.54205	154.67263	16.0197	6.36274	19.33408	7.59E-11	2.68E-08	6.81E-09	2.34E-14	7.07E-14	5.59E-14	2.77E-16	6.7E-15	3.7E-16	7.34531E-15	7.59E-11	2.6762E-08	6.8095E-09	2.39562E-14	1.12115E-15	1.19573E-14	1.86534E-16
528	570550.6	4178599	0.55, 41785	0.25382	0.22088	0.22625	141.74172	51.90419	182.47104	17.71771	7.41488	22.80888	9.32E-11	3.1E-08	7.6E-09	2.88E-14	8.69E-14	6.86E-14	3.41E-16	8.23E-15	4.54E-16	9.02282E-15	9.324E-11	3.1007E-08	7.59778E-09	2.94273E-14	1.3772E-15	1.46881E-14	2.29134E-16
529	570590.6	4178599	0.55, 41785	0.31442	0.27626	0.27638	161.8077	62.94071	207.9054	20.22596	8.27119	25.98817	1.16E-10	3.66E-08	8.67E-09	3.59E-14	1.08E-13	8.55E-14	4.24E-16	1.03E-14	5.66E-16	1.12443E-14	1.162E-10	3.66E-08	8.67106E-09	3.66725E-14	1.71627E-15	1.83044E-14	2.85549E-16
530	570630.6	4178599	0.55, 41785	0.39904	0.35395	0.34775	187.04764	77.01967	233.41259	23.38095	12.20463	29.17657	1.48E-10	4.34E-08	9.98E-09	4.58E-14	1.38E-13	1.09E-13	5.42E-16	1.31E-14	7.23E-16	1.4364E-14	1.484E-10	4.3398E-08	9.98326E-09	4.68472E-14	2.19245E-15	2.33829E-14	3.64774E-16
531	570670.6	4178599	0.55, 41785	0.52025	0.46779	0.4567	203.91154	89.67976	314.96286	27.18561	17.16092	39.37036	1.96E-10	5.2E-08	1.19E-08	6.04E-14	1.82E-13	1.44E-13	7.15E-16	1.73E-14	9.54E-16	1.8945E-14	1.958E-10	5.2029E-08	1.18619E-08	6.17879E-14	2.89167E-15	3.08403E-14	4.81109E-16
532	570710.6	4178599	0.55, 41785	0.68748	0.63563	0.62617	226.5911	101.22552	383.25212	32.37016	22.387	47.90652	2.66E-10	5.99E-08	1.42E-08	8.19E-14	2.47E-13	1.95E-13	9.7E-16	2.34E-14	1.29E-15	2.56975E-14	2.655E-10	5.9888E-08	1.4172E-08	8.38107E-14	3.92234E-15	4.18326E-14	6.52588E-16
533	570750.6	4178599	0.55, 41785	0.91976	0.89022	0.88415	243.41497	114.05895	499.75889	34.77357	31.00996	69.4997	3.71E-10	7.02E-08	1.61E-08	1.14E-13	3.45E-13	2.73E-13	1.35E-15	3.27E-14	1.81E-15	3.5867E-14	3.706E-10	7.0205E-08	1.60657E-08	1.16978E-13	5.47456E-15	5.83873E-14	9.10843E-16
534	570790.6	4178599	0.55, 41785	1.20615	1.22781	1.16033	261.32328	130.44037	537.17009	39.31654	39.06207	73.65107	5.06E-10	7.8E-08	1.79E-08	1.56E-13	4.72E-13	3.72E-13	1.85E-15	4.47E-14	2.47E-15	4.89763E-14	5.061E-10	7.8048E-08	1.79347E-08	1.59733E-13	7.47549E-15	7.97277E-14	1.24375E-15
535	570830.6	4178599	0.55, 41785	1.86035	2.06593	1.53512	307.79075	158.37727	606.96091	57.33573	51.17396	80.52216	8.26E-10	9.23E-08	2.49E-08	2.55E-13	7.69E-13	6.08E-13	3.02E-15	7.29E-14	4.02E-15	7.99134E-14	8.258E-10	9.2298E-08	2.49E-08	2.60632E-13	1.21976E-14	1.3009E-13	2.0294E-15
536	570870.6	4178599	0.55, 41785	2.81953	3.8452	1.88016	429.66876	238.19724	679.18896	77.96533	87.47681	90.64703	1.47E-09	1.27E-07	3.3E-08	4.53E-13	1.37E-12	1.08E-12	5.36E-15	1.29E-13	7.15E-15	1.42004E-13	1.467E-09	1.2667E-07	3.29799E-08	4.63137E-13	2.16748E-14	2.31167E-13	3.6062E-15
537	570910.6	4178599	0.55, 41785	4.21414	6.38342	2.32175	555.65098	273.48442	945.27353	124.98504	103.73159	124.24769	2.38E-09	1.55E-07	5.19E-08	7.35E-13	2.22E-12	1.75E-12	8.7E-15	2.1E-13	1.16E-14	2.30447E-13	2.381E-09	1.5548E-07	5.18866E-08	7.51586E-13	3.51742E-14	3.75141E-13	5.85219E-15
538	570950.6	4178599	0.55, 41785	4.59898	4.54538	2.28746	563.80012	195.03038	769.06119	96.52509	58.5202	125.1466	1.78E-09	1.22E-07	4.14E-08	5.51E-13	1.66E-12	1.31E-12	6.52E-15	1.58E-13	8.69E-15	1.72728E-13	1.785E-09	1.2156E-07	4.14336E-08	5.63341E-13	2.63644E-14	2.81181E-13	4.38643E-15
539	570990.6	4178599	0.55, 41785	3.82228	3.4158	2.10211	387.45867	157.86758	722.29473	74.93195	45.58999	97.36969	1.37E-09	1E-07	3.22E-08	4.24E-13	1.28E-12	1.01E-12	5.02E-15	1.21E-13	6.69E-15	1.32856E-13	1.373E-09	1.0048E-07	3.21749E-08	4.33299E-13	2.02784E-14	2.16273E-13	3.37387E-15
540	571030.6	4178599	0.55, 41785	3.02247	2.69987	1.99871	442.17309	124.03841	776.22539	67.82636	38.72372	97.59907	1.1E-09	9.38E-08	2.96E-08	3.4E-13	1.03E-12	8.1E-13	4.02E-15	9.72E-14	5.36E-15	1.06537E-13	1.101E-09	9.3829E-08	2.95653E-08	3.47463E-13	1.62613E-14	1.7343E-13	2.70551E-15
541	571070.6	4178599	0.55, 41785	2.43201	2.20804	1.81695	323.32852	105.96293	523.5768	49.87717	32.54487	75.45431	9.07E-10	7.16E-08	2.19E-08	2.8E-13	8.45E-13	6.68E-13	3.31E-15	8.01E-14	4.42E-15	8.78087E-14	9.074E-10	7.1615E-08	2.19132E-08	2.86382E-13	1.34027E-14	1.42942E-13	2.2299E-15
542	571110.6	4178599	0.55, 41785	1.9361	1.83698	1.53551	285.52756	89.63178	395.42144	42.26506	28.59229	57.87538	7.53E-10	5.88E-08	1.83E-08	2.32E-13	7.01E-13	5.54E-13	2.75E-15	6.64E-14	3.67E-15	7.28454E-14	7.527E-10	5.8813E-08	1.8286E-08	2.3758E-13	1.11187E-14	1.18584E-13	1.84991E-15
543	571150.6	4178599	0.55, 41785	1.58315	1.55537	1.34493	182.41041	88.91432	301.39134	29.75311	25.20352	37.67392	6.37E-10	5.03E-08	1.27E-08	1.97E-13	5.94E-13	4.69E-13	2.33E-15	5.62E-14	3.1E-15	6.16777E-14	6.373E-10	5.0339E-08	1.27295E-08	2.01157E-13	9.41416E-15	1.00404E-13	1.5663E-15
544	571190.6	4178599	0.55, 41785	1.33739	1.33597	1.20735	189.26194	77.8274	237.13522	24.55337	21.99349	31.52399	5.49E-10	4.39E-08	1.05E-08	1.69E-13	5.12E-13	4.04E-13	2.01E-15	4.85E-14	2.67E-15	5.31318E-14	5.49E-10	4.3922E-08	1.05251E-08	1.73285E-13	8.10976E-15	8.64923E-14	1.34928E-15
545	571230.6	4178599	0.55, 41785	1.14183	1.1549	1.07779	177.02423	70.01737	247.02933	25.42204	18.83046	36.19826	4.76E-10	4.13E-08	1.11E-08	1.47E-13	4.43E-13	3.5E-13	1.74E-15	4.2E-14	2.32E-15	4.60328E-14	4.757E-10	4.1339E-08	1.10635E-08	1.50133E-13	7.02621E-15	7.4936E-14	1.169E-15
546	571270.6	4178599	0.55, 41785	0.97959	1.00523	0.95378	160.46118	68.49541	236.51718	22.92303	16.81937	33.9008	4.14E-10	3.97E-08	1E-08	1.28E-13	3.86E-13	3.05E-13	1.51E-15	3.66E-14	2.02E-15	4.00864E-14	4.142E-10	3.9726E-08	1.00348E-08	1.30739E-13	6.11858E-15	6.52559E-14	1.01799E-15
547	571310.6	4178599	0.55, 41785	0.84011	0.87488	0.82502	131.92842	62.86665	193.55215	16.49105	15.16442	24.19402	3.6E-10	3.48E-08	7.21E-09	1.11E-13	3.35E-13	2.65E-13	1.31E-15	3.18E-14	1.75E-15	3.48204E-14	3.598E-10	3.4791E-08	7.21006E-09	1.13564E-13	5.3148E-15	5.66835E-14	8.84262E-16
548	571350.6	4178599	0.55, 41785	0.73896	0.77159	0.73066	149.85158	58.69155	153.82017	22.55392	13.49962	22.49489	3.17E-10	3.22E-08	9.37E-09	9.79E-14	2.96E-13	2.34E-13	1.16E-15	2.8E-14	1.55E-15	3.07161E-14	3.174E-10	3.2222E-08	9.36655E-09	1.00178E-13	4.68834E-15	5.00021E-14	7.80033E-16
549	571390.6	4178599	0.55, 41785	0.661	0.68563	0.66671	168.50279	56.32456	235.09945	24.41155	12.10471	32.40344	2.83E-10	3.59E-08	1.05E-08	8.73E-14	2.64E-13	2.08E-13	1.03E-15	2.5E-14	1.38E-15	2.73886E-14	2.83E-10	3.5926E-08	1.05139E-08	8.93261E-14	4.18046E-15	4.45855E-14	6.95534E-16
550	571430.6	4178599	0.55, 41785	0.59511	0.61204	0.61151	136.17098	51.76249	171.68803	20.03651	10.61326	24.28892	2.54E-10	3.02E-08	8.52E-09	7.83E-14	2.36E-13	1.87E-13	9.26E-16	2.24E-14	1.24E-15	2.45411E-14	2.536E-10	3.0249E-08	8.52192E-09	8.0039E-14	3.74583E-15	3.995E-14	6.2322E-16
551	571470.6	4178599	0.55, 41785	0.53051	0.54561	0.54811	117.9441	47.17442	154.11151	16.84916	9.40387	22.01593	2.26E-10	2.72E-08	7.24E-09	6.98E-14	2.11E-13	1.66E-13	8.26E-16	2E-14	1.1E-15	2.18908E-14	2.262E-10	2.7228E-08	7.2405E-09	7.13954E-14	3.3413E-15	3.56357E-14	5.55917E-16
552	571510.6	4178599	0.55, 41785	0.47218	0.48877	0.48576	120.07824	45.51387	145.12306	16.38718	8.49605	19.65912	2.02E-10	2.63E-08	6.96E-09	6.24E-14	1.88E-13	1.49E-13	7.39E-16	1.79E-14	9.85E-16	1.95755E-14	2.023E-10	2.6337E-08	6.96018E-09	6.38442E-14	2.98791E-15	3.18667E-14	4.9712E-16
553	571550.6	4178599	0.55, 41785	0.42043	0.43954	0.43052	119.99429	43.92883	151.34582	16.43506	7.56489	20.5622	1.81E-10	2.61E-08	7.02E-09	5.6E-14	1.69E-13	1.34E-13	6.63E-16	1.6E-14	8.84E-16	1.75602E-14	1.815E-10	2.6099E-08	7.01997E-09	5.72714E-14	2.6803E-15	2.8586E-14	4.45941E-16
554	571590.6	4178599	0.55, 41785	0.37632	0.39688	0.38556	100.33698	42.40478	116.86516	13.86046	7.00095	16.11187	1.64E-10	2.33E-08	5.86E-09	5.05E-14	1.52E-13	1.2E-13	5.98E-16	1.44E-14	7.97E-16	1.58296E-14	1.636E-10	2.3252E-08	5.86292E-09	5.16271E-14	2.41615E-15	2.57688E-14	4.01993E-16
555	570310.6	4178639	0.55, 41786	0.10356	0.08559	0.09711	83.92303	29.66661	96.15389	10.49038	3.70833	12.01924	3.68E-11	1.75E-08	4.43E-09	1.13E-14	3.43E-14	2.71E-14	1.34E-16	3.24E-15	1.79E-16	3.55772E-15	3.676E-11	1.7451E-08	4.42922E-09	1.16033E-14	5.43032E-16	5.79156E-15	9.03483E-17
556	570350.6	4178639	0.55, 41786	0.1161	0.09716	0.10841	92.63397	32.60646	103.61771	11.57925	4.08084	12.95221	4.16E-11	1.91E-08	4.87E-09	1.28E-14	3.88E-14	3.06E-14	1.52E-16	3.67E-15	2.03E-16	4.02513E-15	4.159E-11	1.9099E-08	4.87428E-09	1.31277E-14	6.14375E-16	6.55244E-15	1.02218E-16
557	570390.6	4178639	0.55, 41786	0.13068	0.11086	0.1215	100.54346	34.97331	116.66288	12.56793	4.70976	14.58286	4.73E-11	2.08E-08	5.31E-09	1.46E-14	4.41E-14	3.48E-14	1.73E-16	4.17E-15	2.3E-16	4.57631E-15	4.729E-11	2.0787E-08	5.31495E-09	1.49253E-14	6.98504E-16	7.4497E-15	1.16215E-16
558	570430.6	4178639	0.55, 41786	0.14929	0.12834	0.13819	107.49924	37.52244	130.89362	13.4374	5.36035	16.3617	5.46E-11	2.26E-08	5.72E-09	1.68E-14	5.08E-14	4.02E-14	1.99E-16	4.81E-15	2.66E-16	5.27954E-15	5.456E-11	2.2555E-08	5.71857E-09	1.72188E-14	8.05842E-16	8.59447E-15	1.34074E-16
559	570470.6	4178639	0.55, 41786	0.17443	0.15183	0.16061	116.62505	42.4162	145.19757	14.57813	6.05946	18.1497	6.43E-11	2.52E-08	6.22E-09	1.98E-14	5.99E-14	4.73E-14	2.35E-16	5.68E-15	3.13E-16	6.22499E-15	6.433E-11	2.5185E-08	6.22265E-09	2.03024E-14	9.5015E-16	1.01336E-14	1.58083E-16
560	570510.6	4178639	0.55, 41786	0.20768	0.18277	0.19013	127.00459	48.18252	156.06863	15.87557	6.71257	19.50858	7.72E-11	2.8E-08	6.76E-09	2.38E-14	7.19E-14	5.68E-14	2.82E-16	6.81E-15	3.76E-16	7.47074E-15	7.72E-11	2.7991E-08	6.76449E-09	2.43653E-14	1.1403E-15	1.21615E-14	1.89719E-16
561	570550.6	4178639	0.55, 41786	0.2504	0.22269	0.22841	148.76746	59.99627	172.72318	18.59593	7.58374	21.5904	9.38E-11	3.35E-08	7.86E-09	2.89E-14	8.74E-14	6.9E-14	3.43E-16	8.28E-15	4.57E-16	9.07828E-15	9.381E-11	3.3496E-08	7.86479E-09	2.96081E-14	1.38566E-15	1.47784E-14	2.30543E-16
562	570590.6	4178639	0.55, 41786	0.30521	0.27478	0.27907	162.38276	69.4472	222.88998	20.29784	10.74133	27.86125	1.15E-10	3.95E-08	8.78E-09	3.56E-14	1.08E-13	8.5E-14	4.22E-16	1.02E-14	5.63E-16	1.11757E-14	1.155E-10	3.9477E-08	8.78495E-09	3.64488E-14	1.7058E-15	1.81928E-14	2.83807E-16
563	570630.6	4178639	0.55, 41786	0.37839	0.34592	0.35098	177.15033	78.68271	266.26636	23.7109	14.16715	33.28329	1.45E-10	4.51E-08	1.03E-08	4.48E-14	1.35E-13	1.07E-13	5.3E-16	1.28E-14	7.07E-16	1.40465E-14	1.451E-10	4.5113E-08	1.02965E-08	4.58115E-14	2.14398E-15	2.2866E-14	3.56709E-16

564	570670.6	4178639	0.55, 41786	0.47152	0.44129	0.44999	194.04584	86.02037	313.51443	27.72083	17.24466	39.1893	1.85E-10	5.04E-08	1.21E-08	5.7E-14	1.72E-13	1.36E-13	6.75E-16	1.63E-14	9E-16	1.78888E-14	1.849E-10	5.038E-08	1.20508E-08	5.8343E-14	2.73045E-15	2.91208E-14	4.54285E-16
565	570710.6	4178639	0.55, 41786	0.59058	0.57043	0.57865	207.44684	93.90742	372.29223	29.63526	21.88085	53.1846	2.38E-10	5.62E-08	1.34E-08	7.35E-14	2.22E-13	1.75E-13	8.7E-16	2.1E-14	1.16E-15	2.30418E-14	2.381E-10	5.6236E-08	1.34097E-08	7.5149E-14	3.51698E-15	3.75093E-14	5.85145E-16
566	570750.6	4178639	0.55, 41786	0.7421	0.74424	0.7234	219.27007	107.04803	379.32522	31.3243	27.05481	52.15596	3.08E-10	6.14E-08	1.4E-08	9.51E-14	2.87E-13	2.27E-13	1.13E-15	2.72E-14	1.5E-15	2.98174E-14	3.081E-10	6.1361E-08	1.39846E-08	9.72473E-14	4.55117E-15	4.85392E-14	7.57212E-16
567	570790.6	4178639	0.55, 41786	0.94425	0.97087	0.85006	237.37937	117.94026	412.19598	33.01145	30.70173	55.76703	3.97E-10	6.72E-08	1.48E-08	1.22E-13	3.7E-13	2.92E-13	1.45E-15	3.5E-14	1.93E-15	3.83884E-14	3.967E-10	6.7181E-08	1.47752E-08	1.25201E-13	5.8594E-15	6.24918E-14	9.74872E-16
568	570830.6	4178639	0.55, 41786	1.23329	1.33292	0.96284	295.25944	130.22679	473.13116	42.69044	39.99654	61.26658	5.33E-10	7.63E-08	1.86E-08	1.64E-13	4.96E-13	3.92E-13	1.95E-15	4.7E-14	2.6E-15	5.1554E-14	5.327E-10	7.6256E-08	1.8601E-08	1.6814E-13	7.86894E-15	8.39239E-14	1.30921E-15
569	570870.6	4178639	0.55, 41786	1.50989	1.73214	1.20169	317.24906	188.19869	615.93486	58.25942	53.82297	76.99186	6.87E-10	1.03E-07	2.51E-08	2.12E-13	6.4E-13	5.05E-13	2.51E-15	6.06E-14	3.34E-15	6.64361E-14	6.865E-10	1.0295E-07	2.5076E-08	2.16677E-13	1.01405E-14	1.0815E-13	1.68714E-15
570	570910.6	4178639	0.55, 41786	1.78259	1.99297	1.30656	332.58479	179.86407	638.76492	63.94152	52.98497	79.84561	7.88E-10	1.02E-07	2.73E-08	2.43E-13	7.34E-13	5.8E-13	2.88E-15	6.95E-14	3.84E-15	7.62605E-14	7.88E-10	1.0183E-07	2.73045E-08	2.48718E-13	1.164E-14	1.24143E-13	1.93663E-15
571	570950.6	4178639	0.55, 41786	1.86524	1.94862	1.2876	326.77204	147.92341	425.10208	57.64661	41.4452	82.66786	7.76E-10	8.11E-08	2.51E-08	2.39E-13	7.23E-13	5.71E-13	2.83E-15	6.84E-14	3.78E-15	7.50509E-14	7.755E-10	8.1057E-08	2.51148E-08	2.44773E-13	1.14554E-14	1.22174E-13	1.90592E-15
572	570990.6	4178639	0.55, 41786	1.76592	1.78245	1.25006	311.73236	122.31574	573.48464	43.80696	33.57582	91.70195	7.15E-10	7.89E-08	2.04E-08	2.21E-13	6.66E-13	5.26E-13	2.61E-15	6.31E-14	3.48E-15	6.91929E-14	7.15E-10	7.8931E-08	2.04327E-08	2.25668E-13	1.05613E-14	1.12638E-13	1.75715E-15
573	571030.6	4178639	0.55, 41786	1.5977	1.58915	1.17717	263.38378	106.70114	334.97263	40.88022	26.80487	57.79917	6.41E-10	6.08E-08	1.78E-08	1.98E-13	5.97E-13	4.72E-13	2.34E-15	5.66E-14	3.12E-15	6.20563E-14	6.413E-10	6.0823E-08	1.77717E-08	2.02392E-13	9.47195E-15	1.0102E-13	1.57592E-15
574	571070.6	4178639	0.55, 41786	1.42629	1.41473	1.18099	323.91584	92.06505	516.79706	44.84431	24.93328	64.76299	5.77E-10	6.67E-08	1.96E-08	1.78E-13	5.38E-13	4.25E-13	2.11E-15	5.09E-14	2.81E-15	5.586E-14	5.772E-10	6.6715E-08	1.95584E-08	1.82183E-13	8.52619E-15	9.09336E-14	1.41856E-15
575	571110.6	4178639	0.55, 41786	1.27265	1.25146	1.07066	231.49813	85.11921	353.08688	34.4516	22.95032	48.16161	5.12E-10	5.33E-08	1.5E-08	1.58E-13	4.77E-13	3.77E-13	1.87E-15	4.52E-14	2.5E-15	4.95702E-14	5.122E-10	5.3325E-08	1.49514E-08	1.6167E-13	7.56614E-15	8.06945E-14	1.25883E-15
576	571150.6	4178639	0.55, 41786	1.10067	1.1079	0.9372	235.36335	78.49538	345.02109	33.92291	20.75102	48.66179	4.52E-10	5.09E-08	1.48E-08	1.39E-13	4.21E-13	3.33E-13	1.65E-15	3.99E-14	2.2E-15	4.37419E-14	4.52E-10	5.0898E-08	1.47798E-08	1.42661E-13	6.67654E-15	7.12067E-14	1.11082E-15
577	571190.6	4178639	0.55, 41786	0.96404	0.98605	0.85109	150.10185	73.9658	197.92558	22.00887	18.66835	28.93746	4.03E-10	3.94E-08	9.47E-09	1.24E-13	3.75E-13	2.96E-13	1.47E-15	3.55E-14	1.96E-15	3.89514E-14	4.025E-10	3.9352E-08	9.46613E-09	1.27037E-13	5.94534E-15	6.34083E-14	9.8917E-16
578	571230.6	4178639	0.55, 41786	0.85847	0.87787	0.78438	130.71922	65.23747	181.52397	20.98447	16.26127	28.21366	3.6E-10	3.5E-08	9.05E-09	1.11E-13	3.35E-13	2.65E-13	1.31E-15	3.17E-14	1.75E-15	3.47991E-14	3.596E-10	3.497E-08	9.0546E-09	1.13495E-13	5.31156E-15	5.66489E-14	8.83722E-16
579	571270.6	4178639	0.55, 41786	0.76521	0.78388	0.72231	147.71702	61.52416	210.17535	22.46264	14.29709	35.02922	3.22E-10	3.57E-08	9.92E-09	9.94E-14	3E-13	2.37E-13	1.18E-15	2.84E-14	1.57E-15	3.11674E-14	3.221E-10	3.571E-08	9.91767E-09	1.0165E-13	4.75723E-15	5.07368E-14	7.91494E-16
580	571310.6	4178639	0.55, 41786	0.67814	0.70066	0.65218	136.41117	59.8434	199.34802	17.34958	13.40052	24.9185	2.88E-10	3.42E-08	7.56E-09	8.89E-14	2.68E-13	2.12E-13	1.05E-15	2.54E-14	1.4E-15	2.7867E-14	2.88E-10	3.4226E-08	7.56045E-09	9.08863E-14	4.25348E-15	4.53643E-14	7.07682E-16
581	571350.6	4178639	0.55, 41786	0.60279	0.6273	0.58324	124.67819	56.4143	162.56927	15.58477	12.33978	20.32116	2.58E-10	3.09E-08	6.7E-09	7.95E-14	2.4E-13	1.9E-13	9.41E-16	2.27E-14	1.25E-15	2.49307E-14	2.576E-10	3.0936E-08	6.69517E-09	8.13095E-14	3.80529E-15	4.05842E-14	6.33113E-16
582	571390.6	4178639	0.55, 41786	0.54567	0.56561	0.53406	134.64293	53.30447	146.45838	19.4501	11.04071	20.47738	2.33E-10	2.95E-08	8.13E-09	7.18E-14	2.17E-13	1.71E-13	8.5E-16	2.05E-14	1.13E-15	2.25236E-14	2.327E-10	2.9526E-08	8.12785E-09	7.34592E-14	3.43789E-15	3.66658E-14	5.71987E-16
583	571430.6	4178639	0.55, 41786	0.50035	0.51255	0.49968	147.79016	50.85435	197.85336	20.77571	9.97795	26.64502	2.12E-10	3.16E-08	8.9E-09	6.54E-14	1.97E-13	1.56E-13	7.74E-16	1.87E-14	1.03E-15	2.05029E-14	2.119E-10	3.1602E-08	8.90443E-09	6.68686E-14	3.12945E-15	3.33763E-14	5.2067E-16
584	571470.6	4178639	0.55, 41786	0.45884	0.46513	0.46599	118.76181	47.03177	145.5886	16.94782	8.9119	19.9832	1.93E-10	2.68E-08	7.18E-09	5.96E-14	1.8E-13	1.42E-13	7.05E-16	1.7E-14	9.4E-16	1.86799E-14	1.93E-10	2.6813E-08	7.18204E-09	6.0923E-14	2.8512E-15	3.04086E-14	4.74375E-16
585	571510.6	4178639	0.55, 41786	0.41516	0.4204	0.42431	105.04191	43.02213	132.76114	15.00599	7.61313	18.96588	1.75E-10	2.44E-08	6.42E-09	5.39E-14	1.63E-13	1.29E-13	6.38E-16	1.54E-14	8.51E-16	1.68992E-14	1.746E-10	2.4374E-08	6.4185E-09	5.51156E-14	2.57941E-15	2.751E-14	4.29156E-16
586	571550.6	4178639	0.55, 41786	0.37489	0.38245	0.3824	101.59712	41.64808	125.74417	13.25702	7.0054	15.71802	1.59E-10	2.35E-08	5.62E-09	4.89E-14	1.48E-13	1.17E-13	5.79E-16	1.4E-14	7.73E-16	1.53474E-14	1.586E-10	2.3462E-08	5.62202E-09	5.00543E-14	2.34254E-15	2.49837E-14	3.89746E-16
587	571590.6	4178639	0.55, 41786	0.33863	0.34937	0.34405	106.83121	40.48294	130.44071	14.45913	6.53587	17.55635	1.44E-10	2.35E-08	6.15E-09	4.46E-14	1.35E-13	1.06E-13	5.28E-16	1.28E-14	7.04E-16	1.39822E-14	1.445E-10	2.3491E-08	6.15108E-09	4.5602E-14	2.13417E-15	2.27614E-14	3.55078E-16
588	570310.6	4178679	0.55, 41786	0.10291	0.0869	0.09701	88.39628	30.98258	103.31105	11.04953	4.21243	12.91388	3.72E-11	1.84E-08	4.68E-09	1.15E-14	3.46E-14	2.74E-14	1.36E-16	3.28E-15	1.81E-16	3.59694E-15	3.717E-11	1.8388E-08	4.67715E-09	1.17312E-14	5.49018E-16	5.8554E-15	9.13442E-17
589	570350.6	4178679	0.55, 41786	0.11574	0.09888	0.10892	93.23081	33.32166	112.3331	11.65385	4.76024	14.04164	4.22E-11	1.98E-08	4.95E-09	1.3E-14	3.93E-14	3.1E-14	1.54E-16	3.72E-15	2.05E-16	4.0813E-15	4.217E-11	1.9765E-08	4.95262E-09	1.33109E-14	6.22949E-16	6.64388E-15	1.03645E-16
590	570390.6	4178679	0.55, 41786	0.13137	0.11361	0.12342	99.39798	36.831	119.21549	12.42475	5.26157	14.90194	4.83E-11	2.15E-08	5.28E-09	1.49E-14	4.5E-14	3.56E-14	1.77E-16	4.26E-15	2.35E-16	4.67568E-15	4.832E-11	2.1479E-08	5.27704E-09	1.52494E-14	7.13671E-16	7.61145E-15	1.18739E-16
591	570430.6	4178679	0.55, 41786	0.15074	0.13191	0.14135	105.99103	39.73692	126.723	13.24888	5.6767	15.84037	5.59E-11	2.3E-08	5.62E-09	1.73E-14	5.21E-14	4.12E-14	2.04E-16	4.94E-15	2.73E-16	5.41355E-15	5.594E-11	2.3039E-08	5.62473E-09	1.76559E-14	8.26296E-16	8.81262E-15	1.37477E-16
592	570470.6	4178679	0.55, 41786	0.17494	0.15487	0.16378	121.69462	47.75873	135.7735	15.21183	5.96984	16.97169	6.55E-11	2.67E-08	6.4E-09	2.02E-14	6.1E-14	4.82E-14	2.39E-16	5.78E-15	3.19E-16	6.33865E-15	6.55E-11	2.6706E-08	6.40137E-09	2.06731E-14	9.67499E-16	1.03186E-14	1.6097E-16
593	570510.6	4178679	0.55, 41786	0.2057	0.18414	0.19253	135.37794	56.46386	170.3708	16.92224	7.12807	21.29635	7.77E-11	3.17E-08	7.23E-09	2.4E-14	7.24E-14	5.72E-14	2.84E-16	6.86E-15	3.78E-16	7.51837E-15	7.769E-11	3.1716E-08	7.23387E-09	2.45206E-14	1.14756E-15	1.2239E-14	1.90929E-16
594	570550.6	4178679	0.55, 41786	0.2434	0.22078	0.22908	142.10791	62.60325	200.29273	17.76349	9.55219	25.03659	9.29E-11	3.54E-08	7.72E-09	2.87E-14	8.66E-14	6.84E-14	3.4E-16	8.2E-15	4.53E-16	8.99476E-15	9.295E-11	3.5398E-08	7.7186E-09	2.93357E-14	1.37291E-15	1.46424E-14	2.28422E-16
595	570590.6	4178679	0.55, 41786	0.29132	0.2684	0.27784	157.44437	70.02377	210.9671	21.20731	12.01595	26.37089	1.13E-10	3.89E-08	9.05E-09	3.48E-14	1.05E-13	8.3E-14	4.12E-16	9.95E-15	5.49E-16	1.09154E-14	1.128E-10	3.8928E-08	9.0508E-09	3.55997E-14	1.66606E-15	1.77689E-14	2.77195E-16
596	570630.6	4178679	0.55, 41786	0.34871	0.32823	0.33909	170.78411	74.6949	263.98396	24.39773	14.09383	33.40233	1.38E-10	4.34E-08	1.06E-08	4.25E-14	1.28E-13	1.01E-13	5.03E-16	1.21E-14	6.7E-16	1.33182E-14	1.376E-10	4.3447E-08	1.05554E-08	4.34363E-14	2.03282E-15	2.16804E-14	3.38215E-16
597	570670.6	4178679	0.55, 41786	0.41782	0.40379	0.41108	181.29369	80.27499	295.25985	25.8991	15.99045	42.12286	1.69E-10	4.71E-08	1.15E-08	5.2E-14	1.57E-13	1.24E-13	6.16E-16	1.49E-14	8.21E-16	1.63164E-14	1.686E-10	4.7148E-08	1.15159E-08	5.32146E-14	2.49044E-15	2.65611E-14	4.14353E-16
598	570710.6	4178679	0.55, 41786	0.49876	0.49687	0.48618	185.88712	90.92914	287.65142	26.5553	19.21501	39.31628	2.06E-10	5.05E-08	1.16E-08	6.36E-14	1.92E-13	1.52E-13	7.53E-16	1.82E-14	1E-15	1.99332E-14	2.06E-10	5.0496E-08	1.16269E-08	6.50108E-14	3.04251E-15	3.2449E-14	5.06204E-16
599	570750.6	4178679	0.55, 41786	0.59336	0.60818	0.55751	195.07014	97.11431	330.72411	27.40212	20.89244	45.57898	2.5E-10	5.49E-08	1.22E-08	7.71E-14	2.33E-13	1.84E-13	9.12E-16	2.2E-14	1.22E-15	2.41672E-14	2.497E-10	5.4898E-08	1.22314E-08	7.88195E-14	3.68875E-15	3.93413E-14	6.13724E-16
600	570790.6	4178679	0.55, 41786	0.71288	0.74367	0.61675	232.56486	100.08812	327.08033	29.70634	25.09865	40.88504	3.02E-10	5.71E-08	1.29E-08	9.31E-14	2.81E-13	2.22E-13	1.1E-15	2.66E-14	1.47E-15	2.92121E-14	3.019E-10	5.7113E-08	1.28621E-08	9.5273E-14	4.45878E-15	4.75538E-14	7.41839E-16
601	570830.6	4178679	0.55, 41786	0.82835	0.8948	0.66469	250.25968	113.32691	367.70207	36.36599	33.16876	46.21837	3.59E-10	6.41E-08	1.56E-08	1.11E-13	3.34E-13	2.64E-13	1.31E-15	3.16E-14	1.75E-15	3.4693E-14	3.585E-10	6.4057E-08	1.55667E-08	1.13149E-13	5.29535E-15	5.64761E-14	8.81027E-16
602	570870.6	4178679	0.55, 41786	0.92801	1.04065	0.83445	269.45277	158.88347	492.55659	39.41339	35.15016	62.53118	4.18E-10	8.57E-08	1.75E-08	1.29E-13	3.9E-13	3.08E-13	1.53E-15	3.69E-14	2.04E-15	4.04974E-14	4.185E-10	8.5697E-08	1.74516E-08	1.32079E-13	6.18131E-15	6.5925E-14	1.02843E-15
603	570910.6	4178679	0.55, 41786	1.03394	1.13081	0.83809	259.70616	144.94226	471.11442	42.20689	35.5523	58.8893	4.52E-10	7.97E-08	1.83E-08	1.4E-13	4.22E-13	3.33E-13	1.65E-15	3.99E-14	2.2E-15	4.37882E-14	4.525E-10	7.9712E-08	1.83118E-08	1.42812E-13	6.68361E-15	7.12821E-14	1.112E-15
604	570950.6	4178679	0.55, 41786	1.05684	1.13643	0.82319	242.80014	123.49716	418.67106	39.92153	30.15323	58.18912	4.55E-10	6.95E-08	1.74E-08	1.4E-13	4.23E-13	3.35E-13	1.66E-15	4.01E-14	2.21E-15	4.39839E-14	4.545E-10	6.9527E-08	1.74364E-08	1.4345E-13	6.71348E-15	7.16007E-14	1.11697E-15
605	570990.6	4178679	0.55, 41786	1.01802	1.09421	0.82722	255.86386	105.93706	407.98363	37.15781	26.85338	67.99727	4.39E-10	6.37E-08	1.69E-08	1.36E-13	4.09E-13	3.23E-13	1.6E-15	3.88E-14	2.14E-15	4.25077E-14	4.393E-10	6.3696E-08	1.68748E-08	1.38636E-13	6.48816E-15	6.91976E-14	1.07948E-15
606	571030.6	4178679	0.55, 41786	0.98373	1.03259	0.8073	224.24787	96.85684	406.17161	32.03518	21.71644	50.77145	4.17E-10	5.94E-08	1.42E-08	1.29E-13	3.88E-13	3.07E-13	1.52E-15	3.68E-14	2.03E-15	4.03175E-14	4.166E-10	5.9422E-08	1.41821E-08	1.31493E-13	6.15386E-15	6.56322E-14	1.02386E-15
607	571070.6	4178679	0.55, 41786	0.92088	0.95493	0.77727	234.21131	81.25508	306.97474	29.84103	18.74017	38.37184	3.87E-10	5E-08	1.28E-08	1.19E-13	3.61E-13	2.85E-13	1.41E-15	3.42E-14	1.89E-15	3.74641E-14	3.871E-10	4.9995E-08	1.27945E-08	1.22186E-13	5.71832E-15	6.09871E-14	9.51399E-16
608	571110.6	4178679	0.55, 41786	0.85296	0.87816	0.75636	249.82687	76.90023	376.11255	32.83771	18.41049	47.06858	3.58E-10	5.24E-08	1.43E-08	1.11E-13	3.34E-13	2.64E-13	1.31E-15	3.16E-14	1.74E-15	3.4662E-14	3.582E-10	5.236E-08	1.43053E-08	1.13048E-13	5.29063E-15	5.64257E-14	8.80241E-16
609	571150.6	4178679	0.55, 41786	0.78449	0.80428	0.7091	184.12399	71.8753	265.86204	26.94504	17.68151	37.98029	3.29E-10	4.31E-08	1.17E-08	1.02E-13	3.06E-13	2.42E-13	1.2E-15	2.9E-14	1.6E-15	3.18317E-14	3.289E-10	4.3098E-08	1.17083E-08	1.03817E-13	4.85862E-15	5.18182E-14	8.08364E-16
610	571190.6	4178679	0.55, 41786	0.70872	0.73542	0.64227	192.12547	69.23049	267.93218	27.25383	16.04767	37.1098	3E-10	4.26E-08	1.18E-08	9.26E-14	2.8E-13	2.21E-13	1.1E-15	2.65E-14	1.46E-15	2.90476E-14	3.002E-10	4.2617E-08	1.17816E-08	9.47368E-14	4.43368E-15	4.72862E-14	7.37664E-16
611	571230.6	4178679	0.55, 41786	0.64141	0.6715	0.58509	152.95792	62.82263	210.7281	21.78847	14.44714	29.62503	2.74E-10	3.64E-08	9.42E-09	8.45E-14	2.55E-13	2.02E-13	1E-15	2.42E-14	1.33E-15	2.64962E-14	2.738E-10	3.6362E-08	9.41693E-09	8.64154E-14	4.04424E-15	4.31327E-14	6.7287E-16
612	571270.6	4178679	0.55, 41786	0.5854	0.61191	0.54631	124.65244	57.66905	171.62004	20.54509	12.75642	28.60334	2.5E-10	3.18E-08	8.91E-09	7.72E-14	2.33E-13	1.84E-13	9.14E-16	2.21E-14	1.22E-15	2.42075E-14	2.501E-10	3.1773E-08	8.91075E-09	7.8951E-14	3.6949E-15	3.94069E-14	6.14748E-16
613	571310.6	4178679	0.55, 41786	0.53447	0.5582	0.50849	125.80787	55.1913	171.33448	17.97255	11.70277	24.47635	2.29E-10	3.1E-08	7.77E-09	7.06E-14	2.13E-13	1.68E-13	8.35E-16	2.02E-14	1.11E-15	2.21301E-14	2.287E-10	3.0982E-08	7.76955E-09	7.21756E-14	3.37782E-15	3.60252E-14	5.61992E-16
614	571350.6	4178679	0.55, 41786	0.48504	0.50906	0.46427	111.39997	53.56601	157.83086	13.925	11.19981	19.72886	2.08E-10	2.93E-08	6.06E-09	6.43E-14	1.94E-13	1.53E-13	7.62E-16	1.84E-14	1.02E-15	2.01758E-14	2.085E-10	2.9275E-08	6.05547E-09	6.58018E-14	3.07952E-15	3.28438E-14	5.12363E-16
615	571390.6	4178679	0.55, 41786	0.44312	0.4655	0.42576	107.51836	51.27371	117.14548	13.43979	10.40254	14.64318	1.91E-10	2.65E-08	5.64E-09	5.88E-14	1.78E-13	1.4E-13	6.97E-16	1.68E-14	9.29E-16	1.84533E-14	1.907E-10	2.6472E-08	5.63927E-09	6.01842E-14	2.81662E-15	3.00398E-14	4.68622E-16
616	571430.6	4178679	0.55, 41786	0.41031	0.42684	0.39928	122.12368	48.88835	136.65658	17.23844	9.36082	18.91196	1.75E-10	2.71E-08	7.24E-09	5.41E-14	1.63E-13	1.29E-13	6.41E-16	1.55E-14	8.55E-16	1.69753E-14	1.754E-10	2.7137E-08	7.23923E-09	5.53636E-14	2.59102E-15	2.76338E-14	4.31087E-16
617	571470.6	4178679	0.55, 41786	0.38401	0.39267	0.38101	130.83453	46.56818	169.29762	18.03085	8.50414	22.62935	1.62E-10	2.82E-08	7.7E-09	5.01E-14	1.51E-13	1.19E-13	5.93E-16	1.43E-14	7.9E-16	1.57018E-14	1.623E-10	2.8216E-08	7.70488E-09	5.12103E-14	2.39664E-15	2.55607E-14	3.98747E-16
618	571510.6	4178679	0.55, 41786	0.35733	0.36026	0.36021	104.69184	43.30646	125.50481	14.57371	7.68103	16.95061	1.5E-10	2.41E-08	6.17E-09	4.61E-14	1.39E-13	1.1E-13	5.46E-16	1.32E-14	7.28E-16	1.4472E-14	1.495E-10	2.4116E-08	6.16507E-09	4.71994E-14	2.20893E-15	2.35587E-14	3.67516E-16
619	571550.6	4178679	0.55, 41786	0.32923	0.33046	0.33426	93.91251	40.06683	115.0705	13.41607	6.60436	16.43864	1.37E-10	2.22E-08	5.71E-09	4.24E-14	1.28E-13	1.01E-13	5.02E-16	1.21E-14	6.69E-16	1.32975E-14	1.374E-10	2.2153E-08	5.71429E-09	4.3369E-14	2.02967E-15	2.16468E-14	3.37691E-16
620	571590.6	4178679	0.55, 41786	0.30119	0.30402	0.3057	90.51235	37.8645	108.48539	11.49242	5.95997	13.56067	1.26E-10	2.1E-08	4.87E-09	3.9E-14	1.18E-13	9.29E-14	4.61E-16	1.11E-14	6.15E-16	1.22193E-14	1.263E-10	2.0989E-08	4.87065E-09	3.98523E-14	1.86509E-15	1.98916E-14	3.10308E-16
621	570310.6	4178719	0.55, 41787	0.10285	0.08839	0.09803	86.08959	31.99227	98.88317	10.7612	4.57032	12.3604	3.77E-11	1.84E-08	4.55E-09	1.16E-14	3.51E-14	2.78E-14	1.38E-16	3.33E-15	1.84E-16	3.64912E-15	3.771E-11	1.843E-08	4.54501E-09	1.19013E-14	5.56983E-16	5.94034E-15	9.26693E-17
622	570350.6	4178719	0.55, 41787	0.11563	0.10049	0.11012	90.6137	34.18211	105.82439	11.32671	4.88316	13.22805	4.28E-11	1.96E-08	4.79E-09	1.32E-14	3.98E-14	3.15E-14	1.56E-16	3.77E-15	2.08E-16	4.13796E-15	4.276E-11	1.9649E-08	4.79402E-09	1.34957E-14	6.31597E-16	6.73612E-15	1.05083E-16
623	570390.6	4178719	0.55, 41787	0.13114	0.11521	0.12472	102.01088	38.97546	110.90458	12.75136	5.08393	13.86307	4.89E-11	2.19E-08	5.35E-09	1.51E-14	4.56E-14	3.6E-14	1.79E-16	4.32E-15	2.38E-16	4.73203E-15	4.89E-11	2.19E-08	5.34901E-09	1.54332E-14	7.22273E-16	7.7032E-15	1.2017E-16
624	570430.6	4178719	0.55, 41787	0.15	0.13322	0.1425	114.28488	46.41789	135.81295	14.28561	5.80224	16.97662	5.64E-11	2.6E-08	6.06E-09	1.74E-14	5.26E-14	4.15E-14	2.06E-16	4.98E-15	2.75E-16	5.45809E-15	5.64E-11	2.5987E-08	6.06005E-09	1.78012E-14	8.33094E-16	8.88512E-15	1.38608E-16
625	570470.6	4178719	0.55, 41787	0.17288	0.1553	0.16447	122.16306	52.59309	158.80652	15.27038	6.67803	19.85082	6.56E-11	2.94E-08	6.56E-09	2.02E-14	6.11E-14	4.83E-14	2.4E-16	5.79E-15	3.2E-16	6.34812E-15	6.56E-11	2.94E-08	6.55729E-09	2.07039E-14	9.68944E-16	1.0334E-14	1.6121E-16
626	570510.6	4178719	0.55, 41787	0.1999	0.18201	0.19124	126.87173	56.8638	170.00598	15.85897	8.56143	21.25075	7.67E-11	3.15E-08	6.84E-09	2.37E-14	7.15E-14	5.65E-14	2.8E-16	6.77E-15	3.74E-16	7.42328E-15	7.671E-11	3.1514E-08	6.83965E-09	2.42105E-14	1.13305E-15	1.20842E-14	1.88514E-16
627	570550.6	4178719	0.55, 41787	0.2328	0.21534	0.22528	141.7684	62.68438	190.3461	19.27806	10.36338	23.79326	9.06E-11	3.49E-08	8.22E-09	2.79E-14	8.44E-14	6.67E-14	3.31E-16	7.99E-15	4.41E-16	8.76483E-15	9.057E-11	3.4948E-08	8.21911E-09	2.85859E-14	1.33782E-15	1.42681E-14	2.22583E-16
628	570590.6	4178719	0.55, 41787	0.2704	0.25529	0.2651	152.6333	65.86327	220.26265	21.80476	11.76563	29.62209	1.07E-10	3.78E-08	9.42E-09	3.3E-14	9.98E-14	7.88E-14	3.91E-16	9.45E-15	5.22E-16	1.03618E-14	1.071E-10	3.7803E-08	9.4228E-09	3.37942E-14	1.58157E-15	1.68678E-14	2.63137E-16
629	570630.6	4178719	0.55, 41787	0.31352	0.30328	0.30884	160.25221	70.5161	243.59554	22.89317	12.52474	34.32359	1.27E-10	4.07E-08	1E-08	3.91E-14	1.18E-13	9.32E-14	4.63E-16	1.12E-14	6.17E-16	1.22543E-14	1.266E-10	4.0718E-08	1.00435E-08	3.99664E-14	1.87043E-15	1.99485E-14	3.11196E-16
630	570670.6	4178719	0.55, 41787	0.36149	0.3594	0.35242	159.13882	79.23774	228.99362	22.73412	14.05012	31.24302	1.49E-10	4.29E-08	9.84E-09	4.6E-14	1.39E-13	1.1E-13	5.45E-16	1.32E-14	7.26E-16	1.44243E-14	1.491E-10	4.2886E-08	9.84114E-09	4.70438E-14	2.20165E-15	2.3481E-14	3.66304E-16
631	570710.6	4178719	0.55, 41787	0.41184	0.42167	0.39325	168.39934	82.78202	268.08178	23.84947	15.22445	37.49142	1.73E-10	4.62E-08	1.05E-08	5.35E-14	1.62E-13	1.28E-13	6.34E-16	1.53E-14	8.45E-16	1.67877E-14	1.735E-10	4.623E-08	1.0544E-08	5.4752E-14	2.56239E-15	2.73285E-14	4.26324E-16
632	570750.6	4178719	0.55, 41787	0.46631	0.48852	0.43046	193.26616	81.97611	266.60906	24.83922	16.78199	33.32613	1.99E-10	4.68E-08	1.07E-08	6.15E-14	1.86E-13	1.47E-13	7.28E-16	1.76E-14	9.71E-16	1.92967E-14	1.994E-10	4.6822E-08	1.07146E-08	6.29346E-14	2.94534E-15	3.14127E-14	4.90038E-16
633	570790.6	4178719	0.55, 41787	0.5297	0.5627	0.45402	208.56721	92.88706	267.98327	26.09236	23.00092	33.50993	2.27E-10	5.11E-08	1.12E-08	7.02E-14	2.12E-13	1.67E-13	8.31E-16	2.01E-14	1.11E-15	2.20112E-14	2.275E-10	5.1074E-08	1.11853E-08	7.17881E-14	3.35968E-15	3.58317E-14	5.58975E-16
634	570830.6	4178719	0.55, 41787	0.58417	0.63922	0.49731	206.25232	102.59816	258.13483	28.9378	25.69667	32.26685	2.57E-10	5.37E-08	1.22E-08	7.93E-14	2.39E-13	1.89E-13	9.38E-16	2.27E-14	1.25E-15	2.48578E-14	2.569E-10	5.3746E-08	1.21766E-08	8.10718E-14	3.79416E-15	4.04655E-14	6.31262E-16
635	570870.6	4178719	0.55, 41787	0.63384	0.71183	0.60618	208.40577	136.85909	408.7133	28.70976	24.7437	51.08916	2.88E-10	7.22E-08	1.3E-08	8.88E-14	2.68E-13	2.12E-13	1.05E-15	2.54E-14	1.4E-15	2.78576E-14	2.879E-10	7.2207E-08	1.29706E-08	9.08556E-14	4.25204E-15	4.53489E-14	7.07443E-16
636	570910.6	4178719	0.55, 41787	0.68401	0.75343	0.58123	211.07044	124.31957	366.90455	30.70854	25.49482	45.86307	3.02E-10	6.62E-08	1.35E-08	9.33E-14	2.82E-13	2.23E-13	1.1E-15	2.67E-14	1.47E-15	2.92605E-14	3.024E-10	6.62E-08	1.34639E-08	9.54309E-14	4.46617E-15	4.76326E-14	7.43069E-16
637	570950.6	4178719	0.55, 41787	0.69007	0.76497	0.57081	207.10313	108.18225	376.87466	30.79195	24.65468	47.10933	3.06E-10	6.12E-08	1.36E-08	9.44E-14	2.85E-13	2.25E-13	1.12E-15	2.7E-14	1.49E-15	2.96054E-14	3.059E-10	6.1169E-08	1.35528E-08	9.6556E-14	4.51882E-15	4.81942E-14	7.51829E-16
638	570990.6	4178719	0.55, 41787	0.68048	0.74999	0.58632	206.58356	95.47159	294.44278	32.17827	21.60129	36.80535	3.01E-10	5.31E-08	1.36E-08	9.3E-14	2.81E-13	2.22E-13	1.1E-15	2.66E-14	1.47E-15	2.91604E-14	3.013E-10	5.3091E-08	1.35833E-08	9.51044E-14	4.45089E-15	4.74696E-14	7.40526E-16
639	571030.6	4178719	0.55, 41787	0.66194	0.72353	0.59736	210.3532	86.11281	328.15995	30.372	18.42489	51.15716	2.92E-10	5.17E-08	1.36E-08	9.02E-14	2.72E-13	2.15E-13	1.07E-15	2.58E-14	1.42E-15	2.82946E-14	2.924E-10	5.1702E-08	1.35868E-08	9.22806E-14	4.31873E-15	4.60602E-14	7.18539E-16
640	571070.6	4178719	0.55, 41787	0.64029	0.68839	0.56269	181.70859	76.31707	252.84162	22.73215	15.52213	31.6052	2.78E-10	4.39E-08	9.86E-09	8.59E-14	2.59E-13	2.05E-13	1.02E-15	2.46E-14	1.36E-15	2.69327E-14	2.783E-10	4.3873E-08	9.85731E-09	8.78392E-14	4.11087E-15	4.38433E-14	6.83956E-16
641	571110.6	4178719	0.55, 41787	0.60626	0.64543	0.53034	207.95149	70.27092	268.27126	26.16426	14.32632	33.53391	2.61E-10	4.36E-08	1.12E-08	8.06E-14	2.43E-13	1.92E-13	9.55E-16	2.31E-14	1.27E-15	2.52859E-14	2.613E-10	4.3568E-08	1.12129E-08	8.2468E-14	3.8595E-15	4.11624E-14	6.42134E-16
642	571150.6	4178719	0.55, 41787	0.57256	0.60327	0.52806	200.64391	66.12781	289.68563	25.68735	14.52342	36.23202	2.46E-10	4.29E-08	1.12E-08	7.59E-14	2.29E-13	1.81E-13	8.99E-16	2.17E-14	1.2E-15	2.38016E-14	2.46E-10	4.2921E-08	1.11629E-08	7.76272E-14	3.63295E-15	3.87462E-14	6.04441E-16
643	571190.6	4178719	0.55, 41787	0.53842	0.56251	0.50995	154.3512	63.9477	213.38711	22.19645	14.00077	30.48387	2.3E-10	3.69E-08	9.61E-09	7.11E-14	2.15E-13	1.7E-13	8.41E-16	2.03E-14	1.12E-15	2.22892E-14	2.303E-10	3.6911E-08	9.60745E-09	7.26945E-14	3.4021E-15	3.62842E-14	5.66033E-16
644	571230.6	4178719	0.55, 41787	0.49735	0.52247	0.4676	159.72675	60.41971	199.28282	22.34048	12.75874	27.30767	2.14E-10	3.53E-08	9.51E-09	6.59E-14	1.99E-13	1.57E-13	7.8E-16	1.88E-14	1.04E-15	2.06654E-14	2.135E-10	3.5285E-08	9.51238E-09	6.73986E-14	3.15425E-15	3.36408E-14	5.24796E-16
645	571270.6	4178719	0.55, 41787	0.45612	0.4836	0.42898	144.14128	55.22387	195.55309	20.17616	11.51496	26.9261	1.97E-10	3.28E-08	8.7E-09	6.09E-14	1.84E-13	1.45E-13	7.21E-16	1.74E-14	9.61E-16	1.90954E-14	1.973E-10	3.2807E-08	8.69645E-09	6.22781E-14	2.91462E-15	3.1085E-14	4.84926E-16
646	571310.6	4178719	0.55, 41787	0.42006	0.44717	0.39945	118.44349	52.26024	154.81704	17.97136	10.56882	25.80284	1.83E-10	2.9E-08	7.83E-09	5.63E-14	1.7E-13	1.34E-13	6.67E-16	1.61E-14	8.89E-16	1.76633E-14	1.825E-10	2.8965E-08	7.831E-09	5.76077E-14	2.69604E-15	2.87538E-14	4.4856E-16
647	571350.6	4178719	0.55, 41787	0.38785	0.41385	0.37184	109.17018	50.24459	147.83356	14.07795	10.0186	18.4792	1.69E-10	2.76E-08	6.05E-09	5.21E-14	1.57E-13	1.24E-13	6.17E-16	1.49E-14	8.23E-16	1.63536E-14	1.69E-10	2.7625E-08	6.05357E-09	5.33361E-14	2.49613E-15	2.66218E-14	4.153E-16
648	571390.6	4178719	0.55, 41787	0.35875	0.38356	0.34391	87.70597	48.80309	113.13015	10.96325	9.64341	14.14127	1.57E-10	2.47E-08	4.7E-09	4.83E-14	1.46E-13	1.15E-13	5.72E-16	1.38E-14	7.63E-16	1.51509E-14	1.566E-10	2.4727E-08	4.7026E-09	4.94135E-14	2.31255E-15	2.46639E-14	3.84756E-16
649	571430.6	4178719	0.55, 41787	0.33385	0.35563	0.32061	80.9107	47.09106	69.47289	11.59229	8.99084	10.76512	1.45E-10	2.19E-08	4.78E-09	4.48E-14	1.35E-13	1.07E-13	5.31E-16	1.28E-14	7.08E-16	1.40599E-14	1.453E-10	2.1869E-08	4.77705E-09	4.58554E-14	2.14603E-15	2.28879E-14	3.57051E-16
650	571470.6	4178719	0.55, 41787	0.31507	0.33052	0.30587	111.40642	45.19171	126.48359	15.57659	8.16367	17.53078	1.36E-10	2.5E-08	6.56E-09	4.18E-14	1.26E-13	9.98E-14	4.95E-16	1.2E-14	6.6E-16	1.31201E-14	1.356E-10	2.5037E-08	6.56197E-09	4.27904E-14	2.00259E-15	2.13581E-14	3.33186E-16
651	571510.6	4178719	0.55, 41787	0.29891	0.30701	0.29518	116.70467	43.07153	146.87884	15.95519	7.46065	19.6972	1.27E-10	2.55E-08	6.8E-09	3.91E-14	1.18E-13	9.32E-14	4.63E-16	1.12E-14	6.17E-16	1.22594E-14	1.267E-10	2.5484E-08	6.80265E-09	3.99833E-14	1.87122E-15	1.99569E-14	3.11328E-16
652	571550.6	4178719	0.55, 41787	0.28299	0.28542	0.28355	93.20798	40.2806	109.70993	12.81909	6.80365	14.78577	1.18E-10	2.19E-08	5.42E-09	3.65E-14	1.1E-13	8.71E-14	4.33E-16	1.04E-14	5.77E-16	1.1457E-14	1.184E-10	2.1948E-08	5.41703E-09	3.7366E-14	1.74873E-15	1.86506E-14	2.90949E-16
653	571590.6	4178719	0.55, 41787	0.2649	0.26495	0.26753	84.18961	37.57199	100.50298	12.02709	5.93847	14.35757	1.1E-10	2.03E-08	5.1E-09	3.4E-14	1.03E-13	8.11E-14	4.03E-16	9.72E-15	5.37E-16	1.06627E-14	1.102E-10	2.0284E-08	5.105E-09	3.47757E-14	1.6275E-15	1.73577E-14	2.7078E-16
654	570310.6	4178759	0.55, 41787	0.10291	0.08971	0.0989	86.89901	32.22927	93.76167	10.86238	4.40505	11.72021	3.82E-11	1.83E-08	4.55E-09	1.18E-14	3.56E-14	2.81E-14	1.4E-16	3.37E-15	1.86E-16	3.6956E-15	3.819E-11	1.83E-08	4.55245E-09	1.20529E-14	5.64078E-16	6.01601E-15	9.38497E-17
655	570350.6	4178759	0.55, 41787	0.11544	0.10167	0.11074	97.89636	38.6449	111.66772	12.23704	4.83061	13.95846	4.32E-11	2.17E-08	5.16E-09	1.33E-14	4.02E-14	3.18E-14	1.58E-16	3.81E-15	2.1E-16	4.17792E-15	4.317E-11	2.1672E-08	5.1638E-09	1.3626E-14	6.37697E-16	6.80117E-15	1.06098E-16
656	570390.6	4178759	0.55, 41787	0.13027	0.11595	0.12485	105.67733	44.34348	129.76492	13.20967	5.54293	16.22061	4.91E-11	2.47E-08	5.63E-09	1.52E-14	4.58E-14	3.61E-14	1.79E-16	4.33E-15	2.39E-16	4.75321E-15	4.912E-11	2.4696E-08	5.62801E-09	1.55023E-14	7.25506E-16	7.73767E-15	1.20708E-16
657	570430.6	4178759	0.55, 41787	0.14773	0.133	0.14184	109.21499	48.49986	141.11126	13.65187	6.24447	17.63891	5.62E-11	2.67E-08	5.86E-09	1.73E-14	5.24E-14	4.14E-14	2.05E-16	4.96E-15	2.74E-16	5.43985E-15	5.621E-11	2.6735E-08	5.85725E-09	1.77417E-14	8.30311E-16	8.85544E-15	1.38145E-16
658	570470.6	4178759	0.55, 41787	0.16767	0.15301	0.16202	117.79795	52.53636	140.35154	14.72474	7.71399	17.54394	6.45E-11	2.84E-08	6.25E-09	1.99E-14	6.01E-14	4.75E-14	2.36E-16	5.69E-15	3.14E-16	6.24479E-15	6.453E-11	2.8357E-08	6.24845E-09	2.03669E-14	9.53172E-16	1.01658E-14	1.58586E-16
659	570510.6	4178759	0.55, 41787	0.191	0.17712	0.1864	128.29828	56.17436	171.94141	17.6792	9.03197	21.49268	7.45E-11	3.14E-08	7.52E-09	2.3E-14	6.94E-14	5.49E-14	2.72E-16	6.58E-15	3.63E-16	7.21244E-15	7.453E-11	3.1429E-08	7.52217E-09	2.35228E-14	1.10087E-15	1.1741E-14	1.8316E-16
660	570550.6	4178759	0.55, 41787	0.21672	0.20498	0.21341	137.63049	58.52483	184.29573	19.6615	9.95092	26.17497	8.6E-11	3.31E-08	8.47E-09	2.65E-14	8.01E-14	6.33E-14	3.14E-16	7.59E-15	4.19E-16	8.32087E-15	8.598E-11	3.3133E-08	8.47162E-09	2.71379E-14	1.27005E-15	1.35454E-14	2.11308E-16
661	570590.6	4178759	0.55, 41787	0.24504	0.23724	0.24166	142.23889	62.68425	205.21483	20.31984	10.25836	28.57469	9.91E-11	3.57E-08	8.83E-09	3.06E-14	9.23E-14	7.29E-14	3.62E-16	8.74E-15	4.83E-16	9.58542E-15	9.905E-11	3.5659E-08	8.82635E-09	3.12622E-14	1.46307E-15	1.56039E-14	2.43421E-16
662	570630.6	4178759	0.55, 41787	0.27554	0.27375	0.26892	139.19636	70.02218	188.40794	19.61007	11.07526	25.7042	1.14E-10	3.72E-08	8.43E-09	3.5E-14	1.06E-13	8.36E-14	4.15E-16	1E-14	5.53E-16	1.09897E-14	1.136E-10	3.7194E-08	8.43069E-09	3.58421E-14	1.67741E-15	1.78899E-14	2.79083E-16
663	570670.6	4178759	0.55, 41787	0.30614	0.31293	0.29402	149.31547	72.47289	221.2081	21.10931	12.07881	31.37185	1.29E-10	3.99E-08	9.25E-09	3.98E-14	1.2E-13	9.48E-14	4.71E-16	1.14E-14	6.28E-16	1.24702E-14	1.289E-10	3.9914E-08	9.24798E-09	4.06707E-14	1.90339E-15	2.03E-14	3.16681E-16
664	570710.6	4178759	0.55, 41787	0.33494	0.35231	0.31792	164.794	71.08708	213.69891	21.55176	13.08376	26.71236	1.44E-10	3.97E-08	9.19E-09	4.45E-14	1.34E-13	1.06E-13	5.26E-16	1.27E-14	7.02E-16	1.39452E-14	1.441E-10	3.9682E-08	9.19375E-09	4.54813E-14	2.12853E-15	2.27012E-14	3.54138E-16
665	570750.6	4178759	0.55, 41787	0.36674	0.3924	0.33661	179.38877	78.60477	216.64393	22.4236	16.36841	27.08049	1.59E-10	4.29E-08	9.53E-09	4.92E-14	1.49E-13	1.17E-13	5.83E-16	1.41E-14	7.77E-16	1.54303E-14	1.594E-10	4.2856E-08	9.53243E-09	5.03249E-14	2.3552E-15	2.51187E-14	3.91852E-16
666	570790.6	4178759	0.55, 41787	0.40357	0.43625	0.34677	166.36606	82.34558	242.62848	21.7564	19.87746	30.35713	1.76E-10	4.48E-08	9.44E-09	5.43E-14	1.64E-13	1.29E-13	6.42E-16	1.55E-14	8.57E-16	1.70157E-14	1.758E-10	4.4822E-08	9.43926E-09	5.54954E-14	2.59718E-15	2.76995E-14	4.32112E-16
667	570830.6	4178759	0.55, 41787	0.43354	0.48203	0.39259	188.6599	98.62945	246.30784	24.95504	19.43466	30.78848	1.94E-10	5.12E-08	1.06E-08	5.99E-14	1.81E-13	1.43E-13	7.1E-16	1.71E-14	9.46E-16	1.87991E-14	1.943E-10	5.1223E-08	1.06389E-08	6.13121E-14	2.8694E-15	3.06028E-14	4.77404E-16
668	570870.6	4178759	0.55, 41787	0.46387	0.52331	0.45582	172.12292	120.25167	329.63715	21.51536	18.67269	41.20464	2.12E-10	6.17E-08	9.86E-09	6.54E-14	1.98E-13	1.56E-13	7.75E-16	1.87E-14	1.03E-15	2.05182E-14	2.12E-10	6.1659E-08	9.85646E-09	6.69186E-14	3.13179E-15	3.34012E-14	5.21059E-16
669	570910.6	4178759	0.55, 41787	0.49085	0.54778	0.42691	176.15826	108.72169	296.15879	23.43896	19.655	37.01985	2.2E-10	5.64E-08	1.04E-08	6.78E-14	2.05E-13	1.62E-13	8.03E-16	1.94E-14	1.07E-15	2.127E-14	2.198E-10	5.6427E-08	1.03706E-08	6.93705E-14	3.24654E-15	3.4625E-14	5.40151E-16
670	570950.6	4178759	0.55, 41787	0.48762	0.55475	0.41816	180.46301	97.04885	324.78811	24.36206	20.46933	40.59851	2.22E-10	5.41E-08	1.09E-08	6.84E-14	2.06E-13	1.63E-13	8.09E-16	1.96E-14	1.08E-15	2.14424E-14	2.216E-10	5.4054E-08	1.08779E-08	6.99327E-14	3.27285E-15	3.49057E-14	5.44528E-16
671	570990.6	4178759	0.55, 41787	0.49051	0.55159	0.43765	151.23194	87.28492	222.11928	25.20532	17.38113	28.62893	2.22E-10	4.49E-08	1.06E-08	6.84E-14	2.06E-13	1.63E-13	8.09E-16	1.96E-14	1.08E-15	2.14394E-14	2.215E-10	4.4937E-08	1.06305E-08	6.99232E-14	3.27241E-15	3.49009E-14	5.44454E-16
672	571030.6	4178759	0.55, 41787	0.48428	0.53663	0.45626	187.58168	78.86438	272.43541	28.06386	15.68835	45.4059	2.17E-10	4.59E-08	1.25E-08	6.7E-14	2.02E-13	1.6E-13	7.94E-16	1.92E-14	1.06E-15	2.10211E-14	2.172E-10	4.585E-08	1.24678E-08	6.85589E-14	3.20856E-15	3.42199E-14	5.33831E-16
673	571070.6	4178759	0.55, 41787	0.467	0.51625	0.43604	163.79974	72.83551	258.94072	22.54296	13.46245	32.36759	2.09E-10	4.23E-08	9.82E-09	6.45E-14	1.95E-13	1.54E-13	7.63E-16	1.84E-14	1.02E-15	2.02138E-14	2.089E-10	4.2335E-08	9.82311E-09	6.59257E-14	3.08532E-15	3.29056E-14	5.13328E-16
674	571110.6	4178759	0.55, 41787	0.44755	0.4933	0.39624	157.0432	65.36033	149.25903	19.63651	11.35189	22.10234	1.99E-10	3.45E-08	8.27E-09	6.13E-14	1.85E-13	1.46E-13	7.26E-16	1.75E-14	9.68E-16	1.92277E-14	1.987E-10	3.4488E-08	8.2724E-09	6.27098E-14	2.93482E-15	3.13005E-14	4.88287E-16
675	571150.6	4178759	0.55, 41787	0.4302	0.46818	0.38775	183.98767	62.14189	232.46693	23.05685	11.54043	29.05837	1.89E-10	3.83E-08	9.86E-09	5.84E-14	1.76E-13	1.39E-13	6.92E-16	1.67E-14	9.22E-16	1.8321E-14	1.893E-10	3.8309E-08	9.85823E-09	5.97526E-14	2.79642E-15	2.98244E-14	4.65261E-16
676	571190.6	4178759	0.55, 41787	0.41561	0.44245	0.39452	166.33485	59.4631	232.20811	21.02615	11.70076	29.03347	1.81E-10	3.68E-08	9.11E-09	5.57E-14	1.68E-13	1.33E-13	6.6E-16	1.59E-14	8.8E-16	1.74736E-14	1.806E-10	3.675E-08	9.10822E-09	5.69889E-14	2.66708E-15	2.8445E-14	4.43742E-16
677	571230.6	4178759	0.55, 41787	0.39577	0.41616	0.38297	133.04594	57.55284	174.38403	19.00656	11.25795	24.912	1.71E-10	3.22E-08	8.17E-09	5.26E-14	1.59E-13	1.26E-13	6.23E-16	1.51E-14	8.31E-16	1.65066E-14	1.706E-10	3.2177E-08	8.17118E-09	5.3835E-14	2.51948E-15	2.68708E-14	4.19184E-16
678	571270.6	4178759	0.55, 41787	0.36933	0.38979	0.3568	133.93343	52.76944	163.09994	18.49966	10.32502	20.38749	1.6E-10	3.01E-08	7.77E-09	4.93E-14	1.49E-13	1.17E-13	5.83E-16	1.41E-14	7.78E-16	1.54471E-14	1.596E-10	3.0098E-08	7.77317E-09	5.03796E-14	2.35777E-15	2.51461E-14	3.92279E-16
679	571310.6	4178759	0.55, 41787	0.3411	0.36413	0.32902	131.1619	50.25063	168.23883	18.11843	9.56125	22.87944	1.49E-10	2.94E-08	7.75E-09	4.59E-14	1.39E-13	1.09E-13	5.44E-16	1.31E-14	7.25E-16	1.43967E-14	1.488E-10	2.94E-08	7.74884E-09	4.69538E-14	2.19744E-15	2.34361E-14	3.65604E-16
680	571350.6	4178759	0.55, 41787	0.31543	0.34037	0.30452	103.20737	47.94128	136.71003	14.62528	9.08266	18.8743	1.39E-10	2.61E-08	6.27E-09	4.28E-14	1.29E-13	1.02E-13	5.07E-16	1.22E-14	6.76E-16	1.34313E-14	1.388E-10	2.612E-08	6.27384E-09	4.38052E-14	2.05008E-15	2.18646E-14	3.41087E-16
681	571390.6	4178759	0.55, 41787	0.29206	0.31801	0.28181	95.20975	46.26011	128.00267	11.90122	8.7596	16.00033	1.29E-10	2.49E-08	5.14E-09	3.99E-14	1.21E-13	9.53E-14	4.73E-16	1.14E-14	6.31E-16	1.25272E-14	1.294E-10	2.4858E-08	5.13522E-09	4.08564E-14	1.91208E-15	2.03927E-14	3.18127E-16
682	571430.6	4178759	0.55, 41787	0.27184	0.29676	0.26169	65.82255	44.97926	77.28464	8.48847	8.42183	11.06277	1.21E-10	2.1E-08	3.65E-09	3.72E-14	1.12E-13	8.88E-14	4.41E-16	1.07E-14	5.88E-16	1.16817E-14	1.207E-10	2.097E-08	3.64637E-09	3.80991E-14	1.78304E-15	1.90165E-14	2.96657E-16
683	571470.6	4178759	0.55, 41787	0.25781	0.27877	0.24855	74.19853	43.62462	66.74746	10.92817	7.8818	10.16339	1.14E-10	2.03E-08	4.5E-09	3.51E-14	1.06E-13	8.36E-14	4.15E-16	1E-14	5.53E-16	1.09947E-14	1.136E-10	2.0342E-08	4.50408E-09	3.58584E-14	1.67817E-15	1.78981E-14	2.7921E-16
684	571510.6	4178759	0.55, 41787	0.24715	0.26193	0.24035	102.14842	42.0514	116.58455	14.2101	7.23025	16.16505	1.07E-10	2.32E-08	5.99E-09	3.31E-14	9.99E-14	7.89E-14	3.92E-16	9.46E-15	5.22E-16	1.0379E-14	1.073E-10	2.3189E-08	5.99434E-09	3.38505E-14	1.5842E-15	1.68959E-14	2.63575E-16
685	571550.6	4178759	0.55, 41787	0.23772	0.24585	0.23427	104.82233	40.15762	128.89855	14.31586	6.66643	17.41071	1.01E-10	2.32E-08	6.09E-09	3.13E-14	9.44E-14	7.45E-14	3.7E-16	8.94E-15	4.93E-16	9.80178E-15	1.013E-10	2.3236E-08	6.09145E-09	3.19678E-14	1.49609E-15	1.59561E-14	2.48916E-16
686	571590.6	4178759	0.55, 41787	0.22808	0.23097	0.22747	83.60184	37.747	96.99907	11.46846	6.12919	13.15855	9.57E-11	2.02E-08	4.84E-09	2.95E-14	8.91E-14	7.04E-14	3.5E-16	8.44E-15	4.66E-16	9.25899E-15	9.568E-11	2.0157E-08	4.84305E-09	3.01975E-14	1.41324E-15	1.50726E-14	2.35132E-16
687	570310.6	4178799	0.55, 41787	0.10253	0.09048	0.09887	92.22772	37.68456	108.42661	11.52846	4.71057	13.55333	3.84E-11	2.1E-08	4.88E-09	1.19E-14	3.58E-14	2.83E-14	1.4E-16	3.39E-15	1.87E-16	3.71879E-15	3.843E-11	2.0991E-08	4.8836E-09	1.21286E-14	5.67617E-16	6.05376E-15	9.44386E-17
688	570350.6	4178799	0.55, 41787	0.11434	0.10195	0.11024	96.42289	41.82094	119.06345	12.05286	5.22762	14.88293	4.32E-11	2.3E-08	5.14E-09	1.33E-14	4.03E-14	3.18E-14	1.58E-16	3.81E-15	2.1E-16	4.18067E-15	4.32E-11	2.3015E-08	5.13901E-09	1.3635E-14	6.38116E-16	6.80565E-15	1.06168E-16
689	570390.6	4178799	0.55, 41787	0.12785	0.11532	0.12365	96.70849	44.28794	121.57528	12.08856	5.83168	15.19691	4.88E-11	2.4E-08	5.17E-09	1.5E-14	4.54E-14	3.59E-14	1.78E-16	4.3E-15	2.38E-16	4.71885E-15	4.876E-11	2.396E-08	5.16682E-09	1.53902E-14	7.20261E-16	7.68173E-15	1.19835E-16
690	570430.6	4178799	0.55, 41787	0.14288	0.13064	0.13911	109.4746	48.39009	132.26529	13.83026	6.97525	16.53316	5.51E-11	2.63E-08	5.87E-09	1.7E-14	5.14E-14	4.06E-14	2.01E-16	4.86E-15	2.69E-16	5.33431E-15	5.512E-11	2.6295E-08	5.87144E-09	1.73975E-14	8.14202E-16	8.68364E-15	1.35465E-16
691	570470.6	4178799	0.55, 41787	0.15993	0.14857	0.15692	116.3647	50.80214	153.38363	16.31235	7.92735	19.17295	6.25E-11	2.83E-08	6.91E-09	1.93E-14	5.83E-14	4.6E-14	2.28E-16	5.52E-15	3.05E-16	6.0514E-15	6.253E-11	2.8337E-08	6.9099E-09	1.97362E-14	9.23654E-16	9.85096E-15	1.53675E-16
692	570510.6	4178799	0.55, 41787	0.17816	0.16871	0.17591	124.77861	52.11481	162.22151	17.82552	8.49382	23.1745	7.08E-11	2.95E-08	7.65E-09	2.18E-14	6.59E-14	5.21E-14	2.59E-16	6.25E-15	3.45E-16	6.84895E-15	7.077E-11	2.9498E-08	7.65459E-09	2.23374E-14	1.04539E-15	1.11493E-14	1.73929E-16
693	570550.6	4178799	0.55, 41787	0.19752	0.19131	0.19507	126.89522	56.18657	175.78093	18.12789	8.51005	24.21863	7.99E-11	3.16E-08	7.81E-09	2.46E-14	7.44E-14	5.88E-14	2.92E-16	7.05E-15	3.89E-16	7.73026E-15	7.988E-11	3.156E-08	7.81481E-09	2.52117E-14	1.17991E-15	1.2584E-14	1.9631E-16
694	570590.6	4178799	0.55, 41787	0.21773	0.21627	0.21308	122.68072	62.5324	158.46837	17.14296	9.80776	21.67538	8.97E-11	3.27E-08	7.33E-09	2.77E-14	8.36E-14	6.61E-14	3.28E-16	7.92E-15	4.37E-16	8.68515E-15	8.975E-11	3.2698E-08	7.33295E-09	2.8326E-14	1.32566E-15	1.41384E-14	2.20559E-16
695	570630.6	4178799	0.55, 41787	0.23771	0.24268	0.22932	133.9153	64.36556	188.20796	18.95021	10.72759	26.70167	1E-10	3.51E-08	8.23E-09	3.09E-14	9.32E-14	7.36E-14	3.65E-16	8.83E-15	4.87E-16	9.67771E-15	1E-10	3.5112E-08	8.2339E-09	3.15632E-14	1.47716E-15	1.57542E-14	2.45765E-16
696	570670.6	4178799	0.55, 41787	0.25595	0.26895	0.24514	141.94782	63.09907	182.20008	19.13844	10.57117	23.96944	1.1E-10	3.47E-08	8.18E-09	3.4E-14	1.03E-13	8.11E-14	4.02E-16	9.72E-15	5.36E-16	1.06576E-14	1.101E-10	3.4712E-08	8.17584E-09	3.4759E-14	1.62672E-15	1.73493E-14	2.7065E-16
697	570710.6	4178799	0.55, 41787	0.27273	0.29382	0.2595	157.12572	66.69563	192.86918	19.64072	11.93189	24.10865	1.2E-10	3.7E-08	8.37E-09	3.69E-14	1.11E-13	8.81E-14	4.37E-16	1.06E-14	5.83E-16	1.15807E-14	1.197E-10	3.6968E-08	8.36756E-09	3.77697E-14	1.76762E-15	1.88521E-14	2.94093E-16
698	570750.6	4178799	0.55, 41787	0.29355	0.31916	0.26739	152.65771	72.44297	180.42039	19.08221	15.18472	22.55534	1.29E-10	3.81E-08	8.09E-09	3.99E-14	1.2E-13	9.51E-14	4.72E-16	1.14E-14	6.29E-16	1.25043E-14	1.292E-10	3.8126E-08	8.08913E-09	4.07819E-14	1.9086E-15	2.03556E-14	3.17547E-16
699	570790.6	4178799	0.55, 41787	0.31688	0.34759	0.27611	157.73005	72.26845	195.86787	20.13646	16.34526	24.48348	1.4E-10	3.9E-08	8.57E-09	4.32E-14	1.3E-13	1.03E-13	5.11E-16	1.23E-14	6.82E-16	1.35398E-14	1.399E-10	3.8978E-08	8.56785E-09	4.41592E-14	2.06665E-15	2.20413E-14	3.43844E-16
700	570830.6	4178799	0.55, 41787	0.33524	0.37796	0.31984	162.23746	94.66133	234.71664	21.09567	14.73083	29.33958	1.53E-10	4.84E-08	9.15E-09	4.71E-14	1.42E-13	1.12E-13	5.58E-16	1.35E-14	7.44E-16	1.47777E-14	1.527E-10	4.838E-08	9.14814E-09	4.81963E-14	2.25559E-15	2.40563E-14	3.75279E-16
701	570870.6	4178799	0.55, 41787	0.35595	0.40358	0.35265	158.80625	107.46352	263.60655	19.85078	16.70272	32.95082	1.64E-10	5.38E-08	8.86E-09	5.05E-14	1.52E-13	1.2E-13	5.97E-16	1.44E-14	7.96E-16	1.58224E-14	1.635E-10	5.3843E-08	8.85755E-09	5.16035E-14	2.41504E-15	2.57569E-14	4.01808E-16
702	570910.6	4178799	0.55, 41787	0.3676	0.41723	0.32417	150.41188	96.98395	247.06251	18.80149	15.72408	30.88281	1.67E-10	4.93E-08	8.37E-09	5.16E-14	1.56E-13	1.23E-13	6.11E-16	1.47E-14	8.14E-16	1.61737E-14	1.671E-10	4.9285E-08	8.37412E-09	5.27492E-14	2.46866E-15	2.63288E-14	4.1073E-16
703	570950.6	4178799	0.55, 41787	0.34637	0.40141	0.30552	159.46188	87.41269	275.63404	19.93273	16.48069	34.45425	1.6E-10	4.78E-08	8.96E-09	4.94E-14	1.49E-13	1.18E-13	5.85E-16	1.41E-14	7.81E-16	1.55054E-14	1.602E-10	4.7783E-08	8.95791E-09	5.05696E-14	2.36666E-15	2.52409E-14	3.93758E-16
704	570990.6	4178799	0.55, 41787	0.35579	0.40756	0.32647	119.48057	79.68844	146.33228	17.5796	14.60553	25.33485	1.64E-10	3.77E-08	7.66E-09	5.05E-14	1.52E-13	1.2E-13	5.98E-16	1.44E-14	7.97E-16	1.58312E-14	1.636E-10	3.7698E-08	7.6647E-09	5.16324E-14	2.4164E-15	2.57714E-14	4.02034E-16
705	571030.6	4178799	0.55, 41787	0.37225	0.416	0.35619	155.14917	72.93395	196.55996	24.86673	12.948	30.87431	1.68E-10	3.91E-08	1.06E-08	5.2E-14	1.57E-13	1.24E-13	6.15E-16	1.49E-14	8.2E-16	1.62956E-14	1.684E-10	3.9134E-08	1.06104E-08	5.31468E-14	2.48727E-15	2.65273E-14	4.13826E-16
706	571070.6	4178799	0.55, 41787	0.3594	0.40135	0.34666	158.59146	67.81733	220.83512	22.65592	11.74555	33.70367	1.63E-10	3.87E-08	9.93E-09	5.02E-14	1.52E-13	1.2E-13	5.94E-16	1.44E-14	7.92E-16	1.57362E-14	1.626E-10	3.87E-08	9.9271E-09	5.13226E-14	2.4019E-15	2.56168E-14	3.99621E-16
707	571110.6	4178799	0.55, 41787	0.34191	0.38638	0.31575	133.9595	62.41991	198.12185	16.74494	10.40332	24.76523	1.56E-10	3.49E-08	7.33E-09	4.8E-14	1.45E-13	1.14E-13	5.68E-16	1.37E-14	7.58E-16	1.50534E-14	1.556E-10	3.4932E-08	7.33033E-09	4.90955E-14	2.29767E-15	2.45051E-14	3.8228E-16
708	571150.6	4178799	0.55, 41787	0.32926	0.37153	0.29721	140.52662	58.47073	122.49716	17.56829	9.74512	16.40698	1.49E-10	3.03E-08	7.24E-09	4.61E-14	1.39E-13	1.1E-13	5.45E-16	1.32E-14	7.27E-16	1.44477E-14	1.493E-10	3.034E-08	7.244E-09	4.712E-14	2.20522E-15	2.35191E-14	3.66898E-16
709	571190.6	4178799	0.55, 41787	0.32393	0.35615	0.30055	162.80337	55.99612	201.90064	20.37225	9.46414	25.23758	1.44E-10	3.41E-08	8.69E-09	4.45E-14	1.34E-13	1.06E-13	5.27E-16	1.27E-14	7.02E-16	1.39502E-14	1.442E-10	3.4055E-08	8.68999E-09	4.54975E-14	2.12929E-15	2.27093E-14	3.54265E-16
710	571230.6	4178799	0.55, 41787	0.31732	0.33876	0.30501	141.0743	54.42569	191.70239	17.72831	9.52966	23.96639	1.38E-10	3.22E-08	7.66E-09	4.27E-14	1.29E-13	1.02E-13	5.05E-16	1.22E-14	6.74E-16	1.33887E-14	1.384E-10	3.2248E-08	7.65569E-09	4.36662E-14	2.04358E-15	2.17952E-14	3.40005E-16
711	571270.6	4178799	0.55, 41787	0.30415	0.32027	0.29829	116.54381	51.24633	144.90939	16.64912	9.13765	20.70134	1.31E-10	2.81E-08	7.11E-09	4.06E-14	1.22E-13	9.67E-14	4.8E-16	1.16E-14	6.4E-16	1.27177E-14	1.314E-10	2.8096E-08	7.1054E-09	4.14779E-14	1.94117E-15	2.0703E-14	3.22966E-16
712	571310.6	4178799	0.55, 41787	0.28608	0.30211	0.28212	111.77517	48.08718	136.31939	15.28029	8.60329	17.73191	1.24E-10	2.65E-08	6.46E-09	3.83E-14	1.16E-13	9.12E-14	4.53E-16	1.09E-14	6.04E-16	1.1997E-14	1.24E-10	2.647E-08	6.46209E-09	3.91273E-14	1.83116E-15	1.95297E-14	3.04663E-16
713	571350.6	4178799	0.55, 41787	0.26522	0.28423	0.2608	116.94553	46.1941	139.01017	15.97517	8.23917	19.97796	1.16E-10	2.62E-08	6.82E-09	3.59E-14	1.08E-13	8.56E-14	4.25E-16	1.03E-14	5.66E-16	1.12519E-14	1.163E-10	2.6161E-08	6.82312E-09	3.66972E-14	1.71743E-15	1.83168E-14	2.85741E-16
714	571390.6	4178799	0.55, 41787	0.24309	0.26586	0.23735	101.64822	44.37475	130.479	13.96186	7.97488	17.70328	1.08E-10	2.46E-08	5.97E-09	3.34E-14	1.01E-13	7.97E-14	3.96E-16	9.55E-15	5.27E-16	1.04769E-14	1.083E-10	2.4589E-08	5.97456E-09	3.41696E-14	1.59914E-15	1.70551E-14	2.6606E-16
715	571430.6	4178799	0.55, 41787	0.22645	0.25105	0.21957	78.66707	42.96369	101.00422	10.22882	7.75525	13.14754	1.02E-10	2.19E-08	4.39E-09	3.14E-14	9.49E-14	7.5E-14	3.72E-16	8.99E-15	4.96E-16	9.86149E-15	1.019E-10	2.1888E-08	4.38541E-09	3.21625E-14	1.50521E-15	1.60533E-14	2.50432E-16
716	571470.6	4178799	0.55, 41787	0.21325	0.23694	0.20607	47.64153	41.84289	57.10773	7.70461	7.45296	10.06314	9.61E-11	1.83E-08	3.31E-09	2.97E-14	8.95E-14	7.07E-14	3.51E-16	8.48E-15	4.68E-16	9.30029E-15	9.61E-11	1.8311E-08	3.31067E-09	3.03322E-14	1.41955E-15	1.51398E-14	2.36181E-16
717	571510.6	4178799	0.55, 41787	0.20623	0.22585	0.19985	71.44774	40.73398	67.79843	10.29216	7.00806	9.90291	9.19E-11	1.93E-08	4.26E-09	2.84E-14	8.56E-14	6.76E-14	3.36E-16	8.11E-15	4.48E-16	8.89115E-15	9.188E-11	1.9331E-08	4.25739E-09	2.89978E-14	1.3571E-15	1.44737E-14	2.2579E-16
718	571550.6	4178799	0.55, 41787	0.19818	0.21228	0.19356	94.10249	39.35835	107.36049	13.01678	6.4744	14.79864	8.68E-11	2.16E-08	5.49E-09	2.68E-14	8.09E-14	6.39E-14	3.17E-16	7.66E-15	4.23E-16	8.39843E-15	8.679E-11	2.1566E-08	5.49054E-09	2.73909E-14	1.28189E-15	1.36717E-14	2.13278E-16
719	571590.6	4178799	0.55, 41787	0.19254	0.20073	0.18997	94.76849	37.66806	114.23818	12.95063	6.01952	15.50303	8.26E-11	2.14E-08	5.5E-09	2.55E-14	7.69E-14	6.08E-14	3.02E-16	7.29E-15	4.02E-16	7.99139E-15	8.258E-11	2.1352E-08	5.49901E-09	2.60633E-14	1.21976E-15	1.3009E-14	2.02941E-16
720	570310.6	4178839	0.55, 41788	0.10118	0.0904	0.098	86.93136	38.98232	105.93151	10.86642	4.87279	13.24144	3.83E-11	2.11E-08	4.62E-09	1.18E-14	3.57E-14	2.82E-14	1.4E-16	3.38E-15	1.87E-16	3.70742E-15	3.831E-11	2.1107E-08	4.62491E-09	1.20915E-14	5.65882E-16	6.03525E-15	9.41499E-17
721	570350.6	4178839	0.55, 41788	0.1118	0.10104	0.10874	92.10266	41.60712	103.12867	11.51283	5.43734	12.89108	4.27E-11	2.2E-08	4.85E-09	1.32E-14	3.98E-14	3.15E-14	1.56E-16	3.77E-15	2.08E-16	4.13554E-15	4.273E-11	2.2039E-08	4.84694E-09	1.34878E-14	6.31227E-16	6.73217E-15	1.05022E-16
722	570390.6	4178839	0.55, 41788	0.12335	0.11299	0.12071	101.58992	44.39945	123.8041	13.097	6.32134	15.47551	4.77E-11	2.43E-08	5.55E-09	1.47E-14	4.44E-14	3.51E-14	1.74E-16	4.21E-15	2.32E-16	4.61459E-15	4.768E-11	2.4283E-08	5.5517E-09	1.50501E-14	7.04347E-16	7.51201E-15	1.17187E-16
723	570430.6	4178839	0.55, 41788	0.13612	0.12663	0.1341	105.75261	46.22171	135.82058	15.10752	6.99394	17.72822	5.33E-11	2.56E-08	6.4E-09	1.64E-14	4.97E-14	3.92E-14	1.95E-16	4.7E-15	2.6E-16	5.15866E-15	5.331E-11	2.5603E-08	6.3982E-09	1.68246E-14	7.87391E-16	8.39769E-15	1.31004E-16
724	570470.6	4178839	0.55, 41788	0.14941	0.1416	0.14777	113.55911	47.52324	144.14907	16.22273	7.30549	20.59272	5.94E-11	2.67E-08	6.94E-09	1.83E-14	5.53E-14	4.37E-14	2.17E-16	5.24E-15	2.89E-16	5.74853E-15	5.94E-11	2.6715E-08	6.94309E-09	1.87484E-14	8.77426E-16	9.35793E-15	1.45984E-16
725	570510.6	4178839	0.55, 41788	0.16314	0.158	0.16129	114.44641	50.69094	152.51274	16.21485	7.16417	20.85712	6.6E-11	2.82E-08	6.95E-09	2.04E-14	6.15E-14	4.86E-14	2.41E-16	5.82E-15	3.21E-16	6.38518E-15	6.598E-11	2.8188E-08	6.95252E-09	2.08248E-14	9.74601E-16	1.03943E-14	1.62151E-16
726	570550.6	4178839	0.55, 41788	0.17704	0.17576	0.1737	109.2842	56.30775	135.99936	15.45924	8.75778	18.63755	7.3E-11	2.91E-08	6.57E-09	2.25E-14	6.8E-14	5.37E-14	2.67E-16	6.44E-15	3.55E-16	7.06105E-15	7.297E-11	2.9086E-08	6.57033E-09	2.30291E-14	1.07776E-15	1.14946E-14	1.79315E-16
727	570590.6	4178839	0.55, 41788	0.1907	0.19445	0.18485	121.04262	57.73789	162.59872	17.123	9.62298	23.05827	8.02E-11	3.12E-08	7.39E-09	2.47E-14	7.47E-14	5.9E-14	2.93E-16	7.08E-15	3.91E-16	7.7602E-15	8.019E-11	3.124E-08	7.39011E-09	2.53093E-14	1.18448E-15	1.26327E-14	1.9707E-16
728	570630.6	4178839	0.55, 41788	0.20316	0.21304	0.19546	125.84874	56.85617	163.76967	17.26057	9.47603	21.8341	8.73E-11	3.12E-08	7.38E-09	2.69E-14	8.14E-14	6.43E-14	3.19E-16	7.71E-15	4.25E-16	8.44937E-15	8.731E-11	3.1182E-08	7.38373E-09	2.7557E-14	1.28967E-15	1.37546E-14	2.14571E-16
729	570670.6	4178839	0.55, 41788	0.21386	0.23043	0.20601	138.80556	56.19819	167.35734	17.35069	9.51337	20.91967	9.4E-11	3.16E-08	7.37E-09	2.9E-14	8.76E-14	6.92E-14	3.43E-16	8.29E-15	4.58E-16	9.09342E-15	9.397E-11	3.1615E-08	7.3743E-09	2.96575E-14	1.38797E-15	1.4803E-14	2.30927E-16
730	570710.6	4178839	0.55, 41788	0.22462	0.24643	0.21368	139.69865	64.11019	158.44625	17.46233	11.64998	19.80578	1E-10	3.39E-08	7.36E-09	3.09E-14	9.32E-14	7.36E-14	3.65E-16	8.83E-15	4.87E-16	9.6801E-15	1E-10	3.3855E-08	7.3635E-09	3.1571E-14	1.47752E-15	1.57581E-14	2.45826E-16
731	570750.6	4178839	0.55, 41788	0.23931	0.26333	0.21642	129.30344	65.03758	176.13066	16.25667	13.35444	22.02002	1.06E-10	3.46E-08	7.02E-09	3.28E-14	9.9E-14	7.82E-14	3.88E-16	9.38E-15	5.18E-16	1.02876E-14	1.063E-10	3.4599E-08	7.0222E-09	3.35522E-14	1.57024E-15	1.6747E-14	2.61253E-16
732	570790.6	4178839	0.55, 41788	0.2546	0.28325	0.22784	148.04332	66.52984	161.44916	18.88746	13.10425	20.18115	1.14E-10	3.51E-08	7.91E-09	3.52E-14	1.06E-13	8.39E-14	4.17E-16	1.01E-14	5.55E-16	1.10333E-14	1.14E-10	3.5108E-08	7.90655E-09	3.59843E-14	1.68406E-15	1.79609E-14	2.8019E-16
733	570830.6	4178839	0.55, 41788	0.26766	0.30497	0.26524	136.3658	90.38201	203.70222	17.19519	14.05196	26.51864	1.23E-10	4.45E-08	7.58E-09	3.81E-14	1.15E-13	9.09E-14	4.51E-16	1.09E-14	6.01E-16	1.1946E-14	1.234E-10	4.4549E-08	7.57817E-09	3.89609E-14	1.82337E-15	1.94466E-14	3.03368E-16
734	570870.6	4178839	0.55, 41788	0.28248	0.32215	0.27934	145.76117	97.26265	213.43334	18.22015	15.13016	26.67917	1.3E-10	4.76E-08	7.96E-09	4.02E-14	1.21E-13	9.59E-14	4.76E-16	1.15E-14	6.35E-16	1.26142E-14	1.303E-10	4.7635E-08	7.96363E-09	4.11403E-14	1.92537E-15	2.05344E-14	3.20337E-16
735	570910.6	4178839	0.55, 41788	0.28799	0.33135	0.25629	130.6935	87.1686	210.24612	16.33669	13.50967	26.28077	1.33E-10	4.36E-08	7.25E-09	4.09E-14	1.23E-13	9.75E-14	4.84E-16	1.17E-14	6.46E-16	1.28251E-14	1.325E-10	4.3578E-08	7.25049E-09	4.18282E-14	1.95756E-15	2.08778E-14	3.25693E-16
736	570950.6	4178839	0.55, 41788	0.28758	0.33724	0.25781	143.26415	81.64199	232.33178	17.90802	13.93242	29.04147	1.35E-10	4.32E-08	7.96E-09	4.15E-14	1.25E-13	9.9E-14	4.92E-16	1.19E-14	6.55E-16	1.30194E-14	1.345E-10	4.3246E-08	7.95874E-09	4.24619E-14	1.98722E-15	2.11941E-14	3.30628E-16
737	570990.6	4178839	0.55, 41788	0.28844	0.33412	0.27084	115.42228	74.82901	134.90402	15.11344	13.01217	21.06919	1.34E-10	3.54E-08	6.56E-09	4.14E-14	1.25E-13	9.87E-14	4.9E-16	1.18E-14	6.53E-16	1.29813E-14	1.341E-10	3.5403E-08	6.55626E-09	4.23375E-14	1.98139E-15	2.1132E-14	3.29659E-16
738	571030.6	4178839	0.55, 41788	0.29049	0.32848	0.28015	122.60648	67.85889	167.69329	20.43441	11.21527	20.96166	1.33E-10	3.49E-08	8.51E-09	4.1E-14	1.24E-13	9.77E-14	4.85E-16	1.17E-14	6.47E-16	1.28498E-14	1.328E-10	3.4891E-08	8.51342E-09	4.19087E-14	1.96133E-15	2.0918E-14	3.26321E-16
739	571070.6	4178839	0.55, 41788	0.28682	0.32211	0.27916	145.80556	62.69899	194.95005	22.09774	10.44682	32.49167	1.3E-10	3.53E-08	9.66E-09	4.03E-14	1.22E-13	9.6E-14	4.77E-16	1.15E-14	6.36E-16	1.26278E-14	1.305E-10	3.5318E-08	9.66472E-09	4.11846E-14	1.92744E-15	2.05565E-14	3.20682E-16
740	571110.6	4178839	0.55, 41788	0.272	0.3104	0.2597	131.09883	59.8466	180.45962	17.36249	9.97443	23.15348	1.25E-10	3.31E-08	7.48E-09	3.86E-14	1.17E-13	9.21E-14	4.57E-16	1.1E-14	6.1E-16	1.21108E-14	1.251E-10	3.3148E-08	7.48287E-09	3.94985E-14	1.84853E-15	1.9715E-14	3.07553E-16
741	571150.6	4178839	0.55, 41788	0.26	0.30055	0.24148	99.99815	55.57889	134.60776	12.49977	9.26315	16.82597	1.21E-10	2.84E-08	5.39E-09	3.72E-14	1.12E-13	8.87E-14	4.41E-16	1.06E-14	5.87E-16	1.16693E-14	1.206E-10	2.8433E-08	5.39447E-09	3.80585E-14	1.78114E-15	1.89962E-14	2.96341E-16
742	571190.6	4178839	0.55, 41788	0.2552	0.29099	0.23588	127.82601	53.11626	132.48794	15.97966	8.85271	16.56099	1.17E-10	2.86E-08	6.67E-09	3.61E-14	1.09E-13	8.61E-14	4.27E-16	1.03E-14	5.7E-16	1.132E-14	1.17E-10	2.8557E-08	6.66536E-09	3.69194E-14	1.72783E-15	1.84277E-14	2.87471E-16
743	571230.6	4178839	0.55, 41788	0.25406	0.28009	0.23929	144.46225	51.51588	176.21864	18.06666	8.58598	22.02733	1.13E-10	3.07E-08	7.69E-09	3.5E-14	1.06E-13	8.35E-14	4.15E-16	1E-14	5.53E-16	1.09817E-14	1.135E-10	3.0688E-08	7.69E-09	3.5816E-14	1.67619E-15	1.78769E-14	2.78879E-16
744	571270.6	4178839	0.55, 41788	0.2507	0.26766	0.24251	121.82335	49.56018	161.92313	15.26733	8.26003	20.24326	1.09E-10	2.85E-08	6.57E-09	3.38E-14	1.02E-13	8.05E-14	4E-16	9.65E-15	5.33E-16	1.05854E-14	1.094E-10	2.8528E-08	6.57447E-09	3.45235E-14	1.6157E-15	1.72318E-14	2.68816E-16
745	571310.6	4178839	0.55, 41788	0.24184	0.25433	0.23951	103.21026	44.65355	122.05645	14.74432	7.58702	17.43664	1.04E-10	2.43E-08	6.25E-09	3.22E-14	9.74E-14	7.69E-14	3.82E-16	9.22E-15	5.09E-16	1.01123E-14	1.045E-10	2.4347E-08	6.25066E-09	3.29805E-14	1.54349E-15	1.64616E-14	2.56802E-16
746	571350.6	4178839	0.55, 41788	0.22797	0.24079	0.22797	99.0464	44.12829	113.73434	14.35742	7.39344	18.63488	9.9E-11	2.36E-08	6.16E-09	3.05E-14	9.22E-14	7.28E-14	3.62E-16	8.73E-15	4.82E-16	9.57582E-15	9.895E-11	2.3629E-08	6.16389E-09	3.12308E-14	1.4616E-15	1.55883E-14	2.43178E-16
747	571390.6	4178839	0.55, 41788	0.21103	0.22733	0.21036	102.76287	42.76623	112.22851	13.91866	7.25999	15.15441	9.3E-11	2.32E-08	5.84E-09	2.87E-14	8.67E-14	6.85E-14	3.4E-16	8.21E-15	4.53E-16	9.00341E-15	9.304E-11	2.3246E-08	5.83971E-09	2.9364E-14	1.37423E-15	1.46565E-14	2.28641E-16
748	571430.6	4178839	0.55, 41788	0.19469	0.21494	0.19186	96.70075	41.37793	118.14409	13.13698	7.12068	15.87157	8.75E-11	2.28E-08	5.58E-09	2.7E-14	8.15E-14	6.44E-14	3.2E-16	7.72E-15	4.26E-16	8.46346E-15	8.746E-11	2.2835E-08	5.58492E-09	2.7603E-14	1.29182E-15	1.37775E-14	2.14929E-16
749	571470.6	4178839	0.55, 41788	0.18137	0.20392	0.17665	77.02264	40.18933	97.95965	10.5662	6.94319	13.29535	8.26E-11	2.08E-08	4.52E-09	2.55E-14	7.7E-14	6.08E-14	3.02E-16	7.29E-15	4.02E-16	7.99322E-15	8.26E-11	2.0765E-08	4.51672E-09	2.60693E-14	1.22004E-15	1.3012E-14	2.02988E-16
750	571510.6	4178839	0.55, 41788	0.17253	0.19446	0.16733	52.60803	39.21497	67.39367	7.34906	6.67327	9.32595	7.87E-11	1.81E-08	3.15E-09	2.43E-14	7.33E-14	5.79E-14	2.88E-16	6.94E-15	3.83E-16	7.61579E-15	7.87E-11	1.8105E-08	3.14516E-09	2.48384E-14	1.16244E-15	1.23976E-14	1.93403E-16
751	571550.6	4178839	0.55, 41788	0.16797	0.18619	0.16347	68.59481	38.25365	67.50423	9.65516	6.29212	9.48561	7.56E-11	1.84E-08	4E-09	2.33E-14	7.04E-14	5.56E-14	2.76E-16	6.67E-15	3.68E-16	7.31664E-15	7.561E-11	1.8388E-08	4.00302E-09	2.38627E-14	1.11677E-15	1.19106E-14	1.85806E-16
752	571590.6	4178839	0.55, 41788	0.16271	0.17607	0.15959	86.9293	37.04871	99.01478	11.93163	5.86384	13.49632	7.19E-11	2.01E-08	5.03E-09	2.22E-14	6.7E-14	5.29E-14	2.63E-16	6.34E-15	3.5E-16	6.95553E-15	7.188E-11	2.0143E-08	5.02961E-09	2.2685E-14	1.06166E-15	1.13228E-14	1.76636E-16
753	570839.2	4178446	9.17, 41784	74.46739	6.86955	3.72049	1115.31188	246.53605	1658.95445	545.24687	92.47095	232.89196	5.23E-09	2.01E-07	2.12E-07	1.61E-12	4.87E-12	3.85E-12	1.91E-14	4.62E-13	2.55E-14	5.06101E-13	5.23E-09	2.0074E-07	2.11933E-07	1.65061E-12	7.72487E-14	8.23874E-13	1.28524E-14
754	570839.2	4178486	9.17, 41784	72.70489	8.35312	4.22209	2611.28562	240.43522	1473.87155	1286.82968	90.10385	245.64526	5.68E-09	2.46E-07	4.86E-07	1.75E-12	5.29E-12	4.18E-12	2.07E-14	5.01E-13	2.77E-14	5.49585E-13	5.679E-09	2.4591E-07	4.85996E-07	1.79243E-12	8.38857E-14	8.94659E-13	1.39567E-14
755	570879.2	4178406	9.17, 41784	9.26791	12.09581	2.86973	654.37651	281.54322	1652.24347	174.87233	99.71055	250.6883	4.49E-09	1.95E-07	7.62E-08	1.39E-12	4.18E-12	3.3E-12	1.64E-14	3.96E-13	2.19E-14	4.34395E-13	4.489E-09	1.9482E-07	7.61823E-08	1.41675E-12	6.63039E-14	7.07145E-13	1.10315E-14
756	570879.2	4178446	9.17, 41784	110.98197	13.33715	11.62742	3333.88644	260.53475	3586.87714	1717.50318	91.01179	770.8732	9.11E-09	3.78E-07	6.69E-07	2.81E-12	8.48E-12	6.7E-12	3.33E-14	8.04E-13	4.44E-14	8.8113E-13	9.105E-09	3.7813E-07	6.69317E-07	2.87374E-12	1.34491E-13	1.43438E-12	2.23763E-14
757	570879.2	4178486	9.17, 41784	18.42358	13.79846	20.70311	473.0449	246.35325	4578.74855	141.68031	100.88031	655.29094	6.23E-09	3.13E-07	8.28E-08	1.92E-12	5.8E-12	4.58E-12	2.27E-14	5.5E-13	3.03E-14	6.02591E-13	6.227E-09	3.1293E-07	8.28188E-08	1.96531E-12	9.19764E-14	9.80948E-13	1.53028E-14
758	570879.2	4178526	9.17, 41785	94.91809	17.71904	9.02777	3340.71117	271.69492	2014.80922	1490.9797	113.49448	441.47053	9.84E-09	3.09E-07	5.7E-07	3.04E-12	9.17E-12	7.24E-12	3.59E-14	8.68E-13	4.79E-14	9.51918E-13	9.837E-09	3.0874E-07	5.70416E-07	3.10461E-12	1.45296E-13	1.54961E-12	2.41739E-14
759	570879.2	4178566	9.17, 41785	6.34056	7.84517	3.48916	517.57011	248.69096	1100.96831	138.67192	92.32789	171.27972	3E-09	1.53E-07	5.91E-08	9.26E-13	2.79E-12	2.21E-12	1.1E-14	2.65E-13	1.46E-14	2.90283E-13	3E-09	1.5311E-07	5.91281E-08	9.46736E-13	4.43072E-14	4.72546E-13	7.37172E-15
760	570919.2	4178366	9.17, 41783	2.36921	8.89638	1.45024	279.82249	231.14799	970.86833	50.20448	85.64726	145.20587	3.1E-09	1.32E-07	2.53E-08	9.58E-13	2.89E-12	2.28E-12	1.13E-14	2.74E-13	1.51E-14	3.0045E-13	3.105E-09	1.3235E-07	2.52881E-08	9.79895E-13	4.58591E-14	4.89097E-13	7.62992E-15
761	570919.2	4178406	9.17, 41784	7.16288	18.51893	2.95623	387.12304	281.06153	1814.51514	102.95605	123.97591	301.78328	6.54E-09	1.92E-07	5.2E-08	2.02E-12	6.1E-12	4.82E-12	2.39E-14	5.77E-13	3.19E-14	6.332E-13	6.543E-09	1.9226E-07	5.2046E-08	2.06513E-12	9.66483E-14	1.03077E-12	1.60801E-14
762	570919.2	4178446	9.17, 41784	30.90779	15.96768	15.85005	761.46723	266.85593	6280.62092	290.35951	97.37786	1155.63511	7.19E-09	4.1E-07	1.61E-07	2.22E-12	6.69E-12	5.29E-12	2.63E-14	6.34E-13	3.5E-14	6.95348E-13	7.185E-09	4.0989E-07	1.60989E-07	2.26783E-12	1.06134E-13	1.13195E-12	1.76583E-14
763	570919.2	4178486	9.17, 41784	29.57453	18.16179	468.02027	992.62163	281.14129	31654.24271	425.98322	121.6397	9353.86757	2.9E-08	1.61E-06	5.93E-07	8.94E-12	2.7E-11	2.13E-11	1.06E-13	2.56E-12	1.41E-13	2.80239E-12	2.896E-08	1.607E-06	5.93486E-07	9.13981E-12	4.27743E-13	4.56197E-12	7.11667E-14
764	570919.2	4178526	9.17, 41785	19.47257	21.77306	15.13476	427.44744	357.8357	3633.422	126.47105	151.21701	760.0028	8.65E-09	3.04E-07	8.21E-08	2.67E-12	8.06E-12	6.37E-12	3.16E-14	7.63E-13	4.21E-14	8.37019E-13	8.649E-09	3.0407E-07	8.20954E-08	2.72988E-12	1.27758E-13	1.36257E-12	2.12561E-14
765	570919.2	4178566	9.17, 41785	68.70701	17.81326	4.44491	3547.24462	326.79695	1605.72558	1121.59815	123.62419	257.53275	8.68E-09	3.16E-07	4.26E-07	2.68E-12	8.08E-12	6.39E-12	3.17E-14	7.66E-13	4.23E-14	8.39578E-13	8.676E-09	3.1562E-07	4.2562E-07	2.73822E-12	1.28149E-13	1.36673E-12	2.13211E-14
766	570959.2	4178326	9.17, 41783	2.08146	12.83514	1.34475	279.67021	252.56813	633.18912	42.32993	97.81035	79.64117	4.39E-09	1.24E-07	1.93E-08	1.36E-12	4.09E-12	3.23E-12	1.61E-14	3.88E-13	2.14E-14	4.25267E-13	4.395E-09	1.2369E-07	1.93253E-08	1.38698E-12	6.49106E-14	6.92285E-13	1.07996E-14
767	570959.2	4178366	9.17, 41783	2.97969	11.80225	1.85212	241.09871	252.07126	954.07883	42.48046	78.75938	136.29698	4.11E-09	1.37E-07	2.2E-08	1.27E-12	3.83E-12	3.02E-12	1.5E-14	3.63E-13	2E-14	3.97673E-13	4.109E-09	1.3706E-07	2.20241E-08	1.29698E-12	6.06987E-14	6.47365E-13	1.00989E-14
768	570959.2	4178406	9.17, 41784	5.48321	18.00699	4.34111	312.89849	292.26242	1429.75284	67.10795	111.57482	238.11199	6.38E-09	1.75E-07	3.59E-08	1.97E-12	5.94E-12	4.69E-12	2.33E-14	5.63E-13	3.11E-14	6.16965E-13	6.375E-09	1.7525E-07	3.58559E-08	2.01219E-12	9.41704E-14	1.00435E-12	1.56678E-14
769	570959.2	4178446	9.17, 41784	13.2141	15.9724	27.93872	471.07205	258.82785	2485.7483	129.31081	100.45092	486.63208	7.09E-09	2.19E-07	7.04E-08	2.19E-12	6.61E-12	5.22E-12	2.59E-14	6.26E-13	3.45E-14	6.8617E-13	7.091E-09	2.1934E-07	7.03887E-08	2.2379E-12	1.04734E-13	1.11701E-12	1.74253E-14
770	570959.2	4178486	9.17, 41784	61.20406	15.71053	62.85492	1330.20017	250.50131	2800.83581	539.4281	101.77571	895.66291	1.04E-08	2.63E-07	2.41E-07	3.22E-12	9.71E-12	7.67E-12	3.81E-14	9.2E-13	5.08E-14	1.00875E-12	1.042E-08	2.6335E-07	2.40708E-07	3.28996E-12	1.5397E-13	1.64212E-12	2.56171E-14
771	570959.2	4178526	9.17, 41785	233.18259	14.04006	12.98457	3491.90215	258.73899	2789.84609	1687.05022	110.68808	397.86928	1.4E-08	3.46E-07	6.41E-07	4.31E-12	1.3E-11	1.03E-11	5.1E-14	1.23E-12	6.8E-14	1.35118E-12	1.396E-08	3.4625E-07	6.40685E-07	4.40677E-12	2.06237E-13	2.19956E-12	3.43131E-14
772	570999.2	4178286	9.17, 41782	4.82709	7.01905	1.81527	541.05323	230.67805	782.52024	117.6944	82.70868	130.42004	2.59E-09	1.33E-07	4.95E-08	8E-13	2.41E-12	1.91E-12	9.47E-15	2.29E-13	1.26E-14	2.50762E-13	2.591E-09	1.3316E-07	4.94861E-08	8.17841E-13	3.82749E-14	4.0821E-13	6.36808E-15
773	570999.2	4178326	9.17, 41783	3.49216	17.23511	2.06149	334.8047	281.26172	702.77079	73.88295	121.01705	110.07877	5.94E-09	1.39E-07	3.24E-08	1.83E-12	5.53E-12	4.37E-12	2.17E-14	5.24E-13	2.89E-14	5.74724E-13	5.939E-09	1.385E-07	3.2381E-08	1.87442E-12	8.77229E-14	9.35584E-13	1.45951E-14
774	570999.2	4178366	9.17, 41783	3.49499	15.86199	2.88936	258.09779	262.50756	719.40934	51.99585	99.38677	89.92617	5.52E-09	1.3E-07	2.34E-08	1.7E-12	5.15E-12	4.06E-12	2.02E-14	4.87E-13	2.69E-14	5.3443E-13	5.523E-09	1.302E-07	2.33696E-08	1.74301E-12	8.15727E-14	8.6999E-13	1.35718E-14
775	570999.2	4178406	9.17, 41784	4.67229	14.08019	6.50261	269.25985	258.20089	888.73579	48.54927	90.52886	138.83889	5.14E-09	1.37E-07	2.44E-08	1.59E-12	4.79E-12	3.79E-12	1.88E-14	4.54E-13	2.51E-14	4.97846E-13	5.145E-09	1.3709E-07	2.43806E-08	1.62369E-12	7.59886E-14	8.10435E-13	1.26428E-14
776	570999.2	4178446	9.17, 41784	8.21208	17.59623	13.45709	365.10896	254.50285	1091.31402	80.87758	113.65243	185.77432	6.77E-09	1.49E-07	3.85E-08	2.09E-12	6.3E-12	4.98E-12	2.47E-14	5.97E-13	3.3E-14	6.54804E-13	6.766E-09	1.4889E-07	3.84919E-08	2.1356E-12	9.99459E-14	1.06594E-12	1.66287E-14
777	570999.2	4178486	9.17, 41784	18.06608	14.21786	20.31738	585.19163	263.25351	1140.06137	156.20535	101.07997	297.24229	6.33E-09	1.62E-07	7.15E-08	1.95E-12	5.9E-12	4.66E-12	2.31E-14	5.59E-13	3.09E-14	6.1301E-13	6.335E-09	1.6228E-07	7.14705E-08	1.99929E-12	9.35667E-14	9.97909E-13	1.55674E-14
778	571039.2	4178246	9.17, 41782	16.91212	6.90765	2.82369	857.31055	271.11205	1316.76682	274.95229	93.64332	189.48612	3.05E-09	1.83E-07	1.1E-07	9.42E-13	2.84E-12	2.25E-12	1.12E-14	2.69E-13	1.49E-14	2.95391E-13	3.052E-09	1.8329E-07	1.10233E-07	9.63397E-13	4.5087E-14	4.80862E-13	7.50145E-15
779	571039.2	4178286	9.17, 41782	28.85834	15.10006	3.68614	1240.055	260.3069	1323.38037	549.80999	92.85324	215.01085	6.25E-09	1.94E-07	2.13E-07	1.93E-12	5.83E-12	4.6E-12	2.28E-14	5.52E-13	3.05E-14	6.05199E-13	6.254E-09	1.943E-07	2.12781E-07	1.97381E-12	9.23744E-14	9.85193E-13	1.5369E-14
780	571039.2	4178326	9.17, 41783	6.67676	17.1171	4.10991	443.85334	276.43557	1246.54946	131.23026	111.87763	155.81868	6.11E-09	1.66E-07	5.57E-08	1.89E-12	5.7E-12	4.5E-12	2.23E-14	5.4E-13	2.98E-14	5.9169E-13	6.114E-09	1.6635E-07	5.56626E-08	1.92975E-12	9.03125E-14	9.63202E-13	1.50259E-14
781	571039.2	4178366	9.17, 41783	4.40971	16.57374	4.87433	310.01939	259.88486	992.68074	73.97776	106.04392	160.75052	5.89E-09	1.44E-07	3.48E-08	1.82E-12	5.48E-12	4.33E-12	2.15E-14	5.19E-13	2.87E-14	5.69525E-13	5.885E-09	1.4402E-07	3.478E-08	1.85746E-12	8.69293E-14	9.2712E-13	1.44631E-14
782	571039.2	4178406	9.17, 41784	4.40492	15.47088	6.2465	249.62047	251.60574	625.26496	54.55389	95.67705	86.62547	5.58E-09	1.22E-07	2.42E-08	1.72E-12	5.2E-12	4.11E-12	2.04E-14	4.93E-13	2.72E-14	5.40329E-13	5.584E-09	1.2188E-07	2.41589E-08	1.76225E-12	8.24731E-14	8.79593E-13	1.37216E-14
783	571039.2	4178446	9.17, 41784	6.02235	17.33371	7.45895	271.18693	258.43077	565.95619	53.34538	113.33058	91.15286	6.32E-09	1.22E-07	2.39E-08	1.95E-12	5.89E-12	4.65E-12	2.31E-14	5.58E-13	3.08E-14	6.11394E-13	6.318E-09	1.2218E-07	2.39245E-08	1.99402E-12	9.33201E-14	9.95278E-13	1.55263E-14
784	571079.2	4178246	9.17, 41782	26.90238	12.76385	4.78342	686.22219	257.40547	1959.72628	294.80616	92.56412	417.67679	5.46E-09	2.02E-07	1.28E-07	1.68E-12	5.09E-12	4.02E-12	1.99E-14	4.82E-13	2.66E-14	5.28156E-13	5.458E-09	2.0236E-07	1.282E-07	1.72254E-12	8.0615E-14	8.59776E-13	1.34125E-14
785	571079.2	4178286	9.17, 41782	49.90964	15.92317	13.80121	957.6563	283.49226	4117.74908	414.11972	108.09945	689.22522	7.78E-09	3.22E-07	1.85E-07	2.4E-12	7.25E-12	5.73E-12	2.84E-14	6.87E-13	3.79E-14	7.53303E-13	7.784E-09	3.2181E-07	1.84868E-07	2.45684E-12	1.1498E-13	1.22629E-12	1.91301E-14
786	571079.2	4178326	9.17, 41783	16.67986	14.36437	14.4793	793.60016	243.70787	3077.685	313.14105	91.11491	664.711	6.06E-09	2.54E-07	1.46E-07	1.87E-12	5.65E-12	4.46E-12	2.21E-14	5.35E-13	2.95E-14	5.86345E-13	6.059E-09	2.5398E-07	1.46487E-07	1.91232E-12	8.94966E-14	9.545E-13	1.48902E-14
787	571079.2	4178366	9.17, 41783	6.18218	17.09307	7.0902	419.38901	255.0076	1488.27193	110.95083	108.56867	287.95219	6.23E-09	1.7E-07	5.43E-08	1.92E-12	5.8E-12	4.58E-12	2.27E-14	5.5E-13	3.03E-14	6.02588E-13	6.227E-09	1.6961E-07	5.43489E-08	1.9653E-12	9.1976E-14	9.80943E-13	1.53027E-14
788	571079.2	4178406	9.17, 41784	4.42977	14.91	5.35349	310.20505	209.99469	815.89349	72.09993	91.11305	117.58287	5.36E-09	1.19E-07	3.21E-08	1.65E-12	4.99E-12	3.94E-12	1.96E-14	4.73E-13	2.61E-14	5.18397E-13	5.357E-09	1.1924E-07	3.20736E-08	1.69072E-12	7.91255E-14	8.4389E-13	1.31647E-14
789	571119.2	4178286	9.17, 41782	25.0824	15.07438	138.00946	507.91812	256.39153	16734.57469	211.8106	106.96205	4271.60103	1.24E-08	8.85E-07	2.77E-07	3.82E-12	1.15E-11	9.1E-12	4.52E-14	1.09E-12	6.03E-14	1.19719E-12	1.237E-08	8.8468E-07	2.77397E-07	3.90454E-12	1.82733E-13	1.94888E-12	3.04026E-14
790	571119.2	4178326	9.17, 41783	197.49067	14.51391	52.98238	3348.29445	230.6601	7805.71053	1622.72219	95.52079	2122.69744	1.47E-08	5.66E-07	6.97E-07	4.52E-12	1.37E-11	1.08E-11	5.35E-14	1.29E-12	7.14E-14	1.41805E-12	1.465E-08	5.6559E-07	6.97434E-07	4.62485E-12	2.16443E-13	2.30841E-12	3.60112E-14
791	571119.2	4178366	9.17, 41783	10.01384	12.46582	9.59129	630.48898	206.62645	2115.5821	198.58486	83.22549	424.70779	4.95E-09	1.91E-07	9.3E-08	1.53E-12	4.61E-12	3.65E-12	1.81E-14	4.37E-13	2.41E-14	4.79304E-13	4.953E-09	1.9072E-07	9.30454E-08	1.56322E-12	7.31585E-14	7.80251E-13	1.21719E-14
792	571159.2	4178326	9.17, 41783	219.15803	19.05137	35.48029	3124.9508	277.70648	3646.5914	1560.39264	128.55095	753.34584	1.61E-08	3.79E-07	6.11E-07	4.98E-12	1.5E-11	1.19E-11	5.9E-14	1.43E-12	7.87E-14	1.56282E-12	1.615E-08	3.7881E-07	6.10563E-07	5.09703E-12	2.38541E-13	2.54409E-12	3.96878E-14
793	570808.8	4178465	8.82, 41784	10.95844	3.34212	2.15804	1253.90468	193.66587	956.23037	302.59047	56.7134	159.37173	1.62E-09	1.56E-07	1.19E-07	4.99E-13	1.51E-12	1.19E-12	5.91E-15	1.43E-13	7.88E-15	1.5652E-13	1.617E-09	1.556E-07	1.1902E-07	5.10479E-13	2.38904E-14	2.54796E-13	3.97482E-15
794	570823.9	4178530	3.91, 41785	3.05561	3.25593	2.40542	358.64643	197.99385	1108.94733	70.39413	63.38636	140.39269	1.31E-09	1.31E-07	3.25E-08	4.03E-13	1.22E-12	9.61E-13	4.77E-15	1.15E-13	6.36E-15	1.26328E-13	1.305E-09	1.3075E-07	3.25087E-08	4.1201E-13	1.92821E-14	2.05648E-13	3.2081E-15
795	570883.3	4178602	3.31, 41786	3.07425	4.49746	2.05933	479.66242	287.53386	914.81532	94.76169	103.00469	119.05382	1.7E-09	1.56E-07	4.05E-08	5.25E-13	1.59E-12	1.25E-12	6.22E-15	1.5E-13	8.29E-15	1.64654E-13	1.701E-09	1.5588E-07	4.0499E-08	5.37008E-13	2.5132E-14	2.68038E-13	4.18139E-15
796	571181.5	4178310	1.45, 41783	77.30582	13.12592	35.80897	2585.53888	242.23364	1672.90767	872.95261	114.20023	513.62427	8.91E-09	2.55E-07	3.46E-07	2.75E-12	8.3E-12	6.55E-12	3.25E-14	7.86E-13	4.34E-14	8.61897E-13	8.906E-09	2.5484E-07	3.45876E-07	2.81102E-12	1.31556E-13	1.40307E-12	2.18879E-14
797	571067.8	4178207	7.83, 41782	5.36607	4.9243	1.64986	895.65181	299.02694	904.65641	223.56067	96.05921	144.20823	1.91E-09	1.75E-07	8.92E-08	5.89E-13	1.78E-12	1.41E-12	6.98E-15	1.68E-13	9.3E-15	1.84774E-13	1.909E-09	1.7474E-07	8.9169E-08	6.02627E-13	2.82029E-14	3.0079E-13	4.69233E-15
798	570799.9	4178447	9.89, 41784	4.88888	2.78293	1.75814	732.83791	152.28075	768.58836	142.77112	52.0733	124.31973	1.19E-09	1.14E-07	5.84E-08	3.66E-13	1.11E-12	8.74E-13	4.34E-15	1.05E-13	5.78E-15	1.14856E-13	1.187E-09	1.1368E-07	5.84488E-08	3.74596E-13	1.75311E-14	1.86973E-13	2.91677E-15

	Trenching	Grading	Stockpile
Emissions Rate (g/s):	1.03E-11	9.10E-11	1.28E-11

				Concentration [µg/m^3] at 1 g/s									Concentration (µg/m^3) Unmitigated			Unmitigated Residential Dose			Risk by Age Group				Unmitigated			Student Unmitigated		Worker Unmitigated	
#	X	Y	X,Y	Trenching Period	Grading Period	Stockpile Period	Treching 1hr	Grading 1hr	Stockpile 1hr	Trenching 8hr	Grading 8hr	Stockpile 8hr	Period Total	1hr Total	8hr Total	3rd	0<2	2<9	3rd	0<2	2<9	Total Risk	Chronic	Acute	8hr	Dose	Risk	Dose	Risk
1	570310.55	4177918.99	0.55, 41779	0.08215	0.06425	0.08047	53.98877	25.74637	57.86027	6.7486	3.78109	7.23253	7.72E-12	3.64E-09	7.76E-10	2.38E-15	7.19E-15	5.68E-15	8.68E-18	2.1E-16	1.16E-17	2.29911E-16	8.579E-13	3.6383E-09	7.76121E-10	2.43698E-15	3.50925E-17	1.21637E-15	5.83859E-18
2	570350.55	4177918.99	0.55, 41779	0.08744	0.06946	0.0859	61.34869	26.43683	62.74615	7.66859	3.66465	7.84327	8.32E-12	3.84E-09	8.77E-10	2.57E-15	7.75E-15	6.12E-15	9.35E-18	2.26E-16	1.25E-17	2.47718E-16	9.244E-13	3.8391E-09	8.77117E-10	2.62572E-15	3.78104E-17	1.31058E-15	6.2908E-18
3	570390.55	4177918.99	0.55, 41779	0.09273	0.07514	0.09126	67.57642	27.23616	68.95787	8.44705	3.80844	8.61973	8.96E-12	4.06E-09	9.66E-10	2.76E-15	8.35E-15	6.59E-15	1.01E-17	2.43E-16	1.34E-17	2.66772E-16	9.955E-13	4.0553E-09	9.65902E-10	2.82769E-15	4.07187E-17	1.41139E-15	6.77467E-18
4	570430.55	4177918.99	0.55, 41779	0.09799	0.08123	0.09661	71.34976	28.07066	72.35504	8.91872	4.01428	9.04438	9.64E-12	4.21E-09	1.02E-09	2.97E-15	8.98E-15	7.09E-15	1.08E-17	2.62E-16	1.44E-17	2.86925E-16	1.071E-12	4.2135E-09	1.01911E-09	3.0413E-15	4.37947E-17	1.51801E-15	7.28644E-18
5	570470.55	4177918.99	0.55, 41779	0.10292	0.08757	0.10182	71.34124	28.88227	71.18869	8.91766	4.18506	8.89859	1.03E-11	4.27E-09	1.02E-09	3.19E-15	9.63E-15	7.6E-15	1.16E-17	2.81E-16	1.55E-17	3.076E-16	1.148E-12	4.2723E-09	1.01714E-09	3.26045E-15	4.69505E-17	1.6274E-15	7.8115E-18
6	570510.55	4177918.99	0.55, 41779	0.10719	0.09397	0.10631	70.57748	29.51269	72.86498	8.82218	4.31581	9.10812	1.1E-11	4.34E-09	1.01E-09	3.4E-15	1.03E-14	8.11E-15	1.24E-17	2.99E-16	1.65E-17	3.27963E-16	1.224E-12	4.3434E-09	1.01015E-09	3.47629E-15	5.00585E-17	1.73513E-15	8.3286E-18
7	570550.55	4177918.99	0.55, 41779	0.11095	0.10041	0.10942	80.02506	30.00614	83.29269	10.00313	4.88273	10.41159	1.17E-11	4.62E-09	1.15E-09	3.6E-15	1.09E-14	8.6E-15	1.31E-17	3.17E-16	1.75E-17	3.47751E-16	1.298E-12	4.6187E-09	1.14645E-09	3.68604E-15	5.30789E-17	1.83982E-15	8.83113E-18
8	570590.55	4177918.99	0.55, 41779	0.11537	0.10684	0.11183	81.14556	31.22548	84.40479	10.14319	5.49199	10.5506	1.23E-11	4.76E-09	1.16E-09	3.81E-15	1.15E-14	9.08E-15	1.39E-17	3.35E-16	1.85E-17	3.67447E-16	1.371E-12	4.7554E-09	1.16242E-09	3.89481E-15	5.60852E-17	1.94402E-15	9.33131E-18
9	570630.55	4177918.99	0.55, 41779	0.12154	0.11343	0.11602	82.02682	32.76834	84.97635	10.54682	6.07261	10.62204	1.31E-11	4.91E-09	1.2E-09	4.03E-15	1.22E-14	9.61E-15	1.47E-17	3.55E-16	1.96E-17	3.8879E-16	1.451E-12	4.9122E-09	1.20421E-09	4.12103E-15	5.93428E-17	2.05694E-15	9.8733E-18
10	570670.55	4177918.99	0.55, 41779	0.12896	0.11974	0.12346	90.28793	34.09351	94.2666	12.11861	6.60764	13.84836	1.38E-11	5.24E-09	1.4E-09	4.26E-15	1.29E-14	1.02E-14	1.55E-17	3.75E-16	2.07E-17	4.10995E-16	1.534E-12	5.2366E-09	1.40473E-09	4.3564E-15	6.27321E-17	2.17442E-15	1.04372E-17
11	570710.55	4177918.99	0.55, 41779	0.13589	0.12543	0.13131	92.03158	38.34133	98.54944	11.50395	7.03486	13.72911	1.45E-11	5.7E-09	1.34E-09	4.47E-15	1.35E-14	1.07E-14	1.63E-17	3.94E-16	2.17E-17	4.31527E-16	1.61E-12	5.696E-09	1.34095E-09	4.57403E-15	6.5866E-17	2.28304E-15	1.09586E-17
12	570750.55	4177918.99	0.55, 41779	0.14097	0.13029	0.13561	98.93292	42.68075	106.54938	12.36662	7.25038	14.15663	1.5E-11	6.26E-09	1.43E-09	4.64E-15	1.4E-14	1.11E-14	1.69E-17	4.08E-16	2.25E-17	4.4789E-16	1.671E-12	6.2642E-09	1.43379E-09	4.74747E-15	6.83636E-17	2.36961E-15	1.13741E-17
13	570790.55	4177918.99	0.55, 41779	0.1434	0.13429	0.137	101.78306	44.96916	112.12821	12.72288	7.16867	14.01603	1.54E-11	6.57E-09	1.47E-09	4.77E-15	1.44E-14	1.14E-14	1.74E-17	4.19E-16	2.32E-17	4.60003E-16	1.717E-12	6.5732E-09	1.46807E-09	4.87587E-15	7.02125E-17	2.4337E-15	1.16818E-17
14	570830.55	4177918.99	0.55, 41779	0.14249	0.1373	0.1371	103.05806	46.92439	113.14313	12.88226	6.63254	14.14289	1.57E-11	6.78E-09	1.49E-09	4.85E-15	1.46E-14	1.16E-14	1.77E-17	4.27E-16	2.36E-17	4.67921E-16	1.746E-12	6.7772E-09	1.48584E-09	4.9598E-15	7.14211E-17	2.47559E-15	1.18829E-17
15	570870.55	4177918.99	0.55, 41779	0.13915	0.13926	0.13269	113.81753	49.41272	127.10432	14.22719	6.17659	15.88804	1.58E-11	7.29E-09	1.64E-09	4.88E-15	1.47E-14	1.16E-14	1.78E-17	4.29E-16	2.37E-17	4.70532E-16	1.756E-12	7.2929E-09	1.6444E-09	4.98747E-15	7.18195E-17	2.4894E-15	1.19491E-17
16	570910.55	4177918.99	0.55, 41779	0.13537	0.14116	0.12571	103.09741	52.00284	118.27061	16.13684	6.50036	14.78383	1.58E-11	7.31E-09	1.82E-09	4.89E-15	1.48E-14	1.17E-14	1.78E-17	4.3E-16	2.38E-17	4.71865E-16	1.761E-12	7.3056E-09	1.82365E-09	5.0016E-15	7.2023E-17	2.49646E-15	1.1983E-17
17	570950.55	4177918.99	0.55, 41779	0.13129	0.14261	0.12523	128.63222	54.75687	154.09416	19.7206	7.6051	23.34348	1.59E-11	8.28E-09	2.3E-09	4.92E-15	1.48E-14	1.17E-14	1.79E-17	4.33E-16	2.39E-17	4.74366E-16	1.77E-12	8.277E-09	2.29626E-09	5.02811E-15	7.24048E-17	2.50969E-15	1.20465E-17
18	570990.55	4177918.99	0.55, 41779	0.12715	0.1442	0.12572	126.51514	58.01026	163.29109	18.07359	9.36612	23.3273	1.6E-11	8.67E-09	2.13E-09	4.95E-15	1.49E-14	1.18E-14	1.8E-17	4.36E-16	2.4E-17	4.77599E-16	1.782E-12	8.6693E-09	2.12926E-09	5.06238E-15	7.28983E-17	2.52679E-15	1.21286E-17
19	571030.55	4177918.99	0.55, 41779	0.12254	0.14609	0.11762	125.39004	62.99788	174.41478	17.19472	10.49965	21.80185	1.61E-11	9.25E-09	2.02E-09	4.96E-15	1.5E-14	1.18E-14	1.81E-17	4.36E-16	2.41E-17	4.78224E-16	1.785E-12	9.2543E-09	2.02071E-09	5.06901E-15	7.29937E-17	2.5301E-15	1.21445E-17
20	571070.55	4177918.99	0.55, 41779	0.1201	0.14847	0.1104	126.80092	67.58831	177.9713	16.22667	10.87469	22.24641	1.62E-11	9.73E-09	1.93E-09	4.99E-15	1.51E-14	1.19E-14	1.82E-17	4.39E-16	2.42E-17	4.81176E-16	1.796E-12	9.7321E-09	1.92836E-09	5.10029E-15	7.34442E-17	2.54572E-15	1.22194E-17
21	571110.55	4177918.99	0.55, 41779	0.1205	0.15044	0.10927	126.62476	68.47754	165.66905	20.2586	9.61445	20.70863	1.63E-11	9.65E-09	2.32E-09	5.04E-15	1.52E-14	1.2E-14	1.84E-17	4.43E-16	2.45E-17	4.86206E-16	1.814E-12	9.6536E-09	2.31699E-09	5.15361E-15	7.4212E-17	2.57233E-15	1.23472E-17
22	571150.55	4177918.99	0.55, 41779	0.1212	0.15159	0.11602	131.66409	62.22893	172.39569	21.10658	9.19459	24.99313	1.65E-11	9.22E-09	2.46E-09	5.1E-15	1.54E-14	1.22E-14	1.86E-17	4.49E-16	2.48E-17	4.92112E-16	1.836E-12	9.2227E-09	2.45776E-09	5.21621E-15	7.51134E-17	2.60358E-15	1.24972E-17
23	571190.55	4177918.99	0.55, 41779	0.12215	0.15198	0.11825	137.85581	66.48698	180.99172	19.69369	10.25241	26.94632	1.66E-11	9.78E-09	2.34E-09	5.12E-15	1.55E-14	1.22E-14	1.87E-17	4.51E-16	2.49E-17	4.94309E-16	1.845E-12	9.7839E-09	2.3397E-09	5.2395E-15	7.54488E-17	2.6152E-15	1.2553E-17
24	571230.55	4177918.99	0.55, 41779	0.12354	0.15154	0.11348	148.65332	75.08948	179.38421	21.23619	9.50538	22.42303	1.65E-11	1.07E-08	2.44E-09	5.1E-15	1.54E-14	1.22E-14	1.86E-17	4.48E-16	2.48E-17	4.91721E-16	1.835E-12	1.0657E-08	2.43796E-09	5.21207E-15	7.50538E-17	2.60151E-15	1.24872E-17
25	571270.55	4177918.99	0.55, 41779	0.12544	0.15047	0.11372	135.01221	73.55453	181.97135	18.66937	9.80753	25.99591	1.64E-11	1.04E-08	2.22E-09	5.07E-15	1.53E-14	1.21E-14	1.85E-17	4.46E-16	2.46E-17	4.89493E-16	1.827E-12	1.0411E-08	2.22379E-09	5.18845E-15	7.47136E-17	2.58972E-15	1.24307E-17
26	571310.55	4177918.99	0.55, 41779	0.12844	0.14895	0.1185	144.25948	74.57026	160.72945	18.03243	9.63087	20.79832	1.64E-11	1.03E-08	2.09E-09	5.06E-15	1.53E-14	1.21E-14	1.84E-17	4.45E-16	2.46E-17	4.88112E-16	1.821E-12	1.0326E-08	2.09269E-09	5.17381E-15	7.45029E-17	2.58242E-15	1.23956E-17
27	571350.55	4177918.99	0.55, 41779	0.13264	0.1484	0.12186	134.13439	65.82548	182.86761	16.7668	8.49886	22.85845	1.64E-11	9.71E-09	1.99E-09	5.07E-15	1.53E-14	1.21E-14	1.85E-17	4.46E-16	2.46E-17	4.89185E-16	1.825E-12	9.7096E-09	1.99091E-09	5.18519E-15	7.46667E-17	2.58809E-15	1.24228E-17
28	571390.55	4177918.99	0.55, 41779	0.13487	0.1464	0.12015	140.45529	51.40311	177.22554	17.55691	7.98518	22.15319	1.62E-11	8.39E-09	2.06E-09	5.01E-15	1.51E-14	1.2E-14	1.83E-17	4.41E-16	2.44E-17	4.83793E-16	1.805E-12	8.3893E-09	2.06189E-09	5.12803E-15	7.38437E-17	2.55956E-15	1.22859E-17
29	571430.55	4177918.99	0.55, 41779	0.14548	0.15293	0.12366	139.19794	49.3636	190.22803	17.39974	7.65374	23.7785	1.7E-11	8.36E-09	2.07E-09	5.24E-15	1.58E-14	1.25E-14	1.91E-17	4.61E-16	2.55E-17	5.06069E-16	1.888E-12	8.3574E-09	2.0668E-09	5.36415E-15	7.72437E-17	2.67742E-15	1.28516E-17
30	571470.55	4177918.99	0.55, 41779	0.15916	0.16179	0.13045	134.87595	45.89373	190.37308	16.85949	6.86379	23.79664	1.8E-11	8E-09	2.01E-09	5.56E-15	1.68E-14	1.33E-14	2.03E-17	4.9E-16	2.7E-17	5.36848E-16	2.003E-12	7.9991E-09	2.01231E-09	5.69039E-15	8.19417E-17	2.84026E-15	1.36332E-17
31	571510.55	4177918.99	0.55, 41779	0.17426	0.17151	0.14116	122.2315	42.4201	161.48029	15.27894	5.85942	20.18504	1.92E-11	7.18E-09	1.81E-09	5.93E-15	1.79E-14	1.41E-14	2.16E-17	5.22E-16	2.88E-17	5.71887E-16	2.134E-12	7.1831E-09	1.80597E-09	6.0618E-15	8.72899E-17	3.02564E-15	1.45231E-17
32	571550.55	4177918.99	0.55, 41779	0.18787	0.18026	0.15558	112.99449	35.73716	155.78517	14.12431	5.76206	19.47315	2.03E-11	6.41E-09	1.68E-09	6.27E-15	1.89E-14	1.5E-14	2.28E-17	5.52E-16	3.05E-17	6.05257E-16	2.259E-12	6.4071E-09	1.67992E-09	6.41551E-15	9.23834E-17	3.20219E-15	1.53705E-17
33	571590.55	4177918.99	0.55, 41779	0.19949	0.18751	0.17419	94.68734	29.26563	123.69427	11.83592	5.30509	15.46178	2.13E-11	5.22E-09	1.4E-09	6.59E-15	1.99E-14	1.57E-14	2.4E-17	5.8E-16	3.2E-17	6.35554E-16	2.372E-12	5.2193E-09	1.39677E-09	6.73664E-15	9.70076E-17	3.36247E-15	1.61399E-17
34	570310.55	4177958.99	0.55, 41779	0.08597	0.06676	0.0838	56.89619	26.25101	62.23098	7.11202	4.18522	7.77887	8.03E-12	3.77E-09	8.2E-10	2.48E-15	7.48E-15	5.91E-15	9.03E-18	2.18E-16	1.2E-17	2.3915E-16	8.924E-13	3.77E-09	8.19926E-10	2.53491E-15	3.65027E-17	1.26525E-15	6.07322E-18
35	570350.55	4177958.99	0.55, 41779	0.09204	0.07257	0.08995	58.96006	27.16756	63.77509	7.37001	4.19821	7.97189	8.7E-12	3.89E-09	8.49E-10	2.69E-15	8.11E-15	6.4E-15	9.78E-18	2.36E-16	1.3E-17	2.59096E-16	9.668E-13	3.8944E-09	8.48526E-10	2.74633E-15	3.95471E-17	1.37078E-15	6.57974E-18
36	570390.55	4177958.99	0.55, 41779	0.09833	0.07904	0.09639	63.0038	28.02201	66.12463	7.87548	4.15896	8.26558	9.44E-12	4.04E-09	9.03E-10	2.91E-15	8.79E-15	6.95E-15	1.06E-17	2.56E-16	1.41E-17	2.81009E-16	1.049E-12	4.0437E-09	9.0348E-10	2.97859E-15	4.28917E-17	1.48671E-15	7.13621E-18
37	570430.55	4177958.99	0.55, 41779	0.10461	0.08611	0.10266	70.72142	28.76698	72.80329	8.84018	4.23038	9.10041	1.02E-11	4.28E-09	1.01E-09	3.16E-15	9.53E-15	7.53E-15	1.15E-17	2.78E-16	1.53E-17	3.0448E-16	1.136E-12	4.2762E-09	1.01187E-09	3.22737E-15	4.64742E-17	1.61089E-15	7.73225E-18
38	570470.55	4177958.99	0.55, 41779	0.11098	0.09385	0.10929	78.78718	29.82596	80.74124	9.8484	4.47695	10.09265	1.11E-11	4.56E-09	1.13E-09	3.42E-15	1.03E-14	8.15E-15	1.25E-17	3.01E-16	1.66E-17	3.29931E-16	1.231E-12	4.5569E-09	1.12669E-09	3.49715E-15	5.0359E-17	1.74554E-15	8.37859E-18
39	570510.55	4177958.99	0.55, 41779	0.1169	0.10189	0.11567	83.26174	30.87615	84.48278	10.40772	4.70339	10.56035	1.2E-11	4.75E-09	1.19E-09	3.69E-15	1.11E-14	8.8E-15	1.34E-17	3.25E-16	1.79E-17	3.55963E-16	1.328E-12	4.7463E-09	1.18933E-09	3.77308E-15	5.43323E-17	1.88326E-15	9.03967E-18
40	570550.55	4177958.99	0.55, 41779	0.12213	0.11	0.12099	82.46075	31.83495	82.01237	10.30759	4.9071	10.25155	1.28E-11	4.79E-09	1.18E-09	3.95E-15	1.19E-14	9.43E-15	1.44E-17	3.48E-16	1.92E-17	3.81569E-16	1.424E-12	4.7937E-09	1.17523E-09	4.0445E-15	5.82408E-17	2.01874E-15	9.68995E-18
41	570590.55	4177958.99	0.55, 41779	0.1275	0.1185	0.12492	87.61849	32.53805	91.54904	10.95231	5.6614	11.44363	1.37E-11	5.03E-09	1.26E-09	4.23E-15	1.28E-14	1.01E-14	1.54E-17	3.72E-16	2.05E-17	4.07746E-16	1.522E-12	5.0328E-09	1.2558E-09	4.32196E-15	6.22362E-17	2.15723E-15	1.03547E-17
42	570630.55	4177958.99	0.55, 41779	0.13429	0.12721	0.12893	94.25098	33.95012	99.61773	11.78137	6.34882	12.45222	1.46E-11	5.33E-09	1.35E-09	4.51E-15	1.36E-14	1.08E-14	1.64E-17	3.97E-16	2.19E-17	4.34955E-16	1.623E-12	5.3327E-09	1.35268E-09	4.61036E-15	6.63892E-17	2.30118E-15	1.10457E-17
43	570670.55	4177958.99	0.55, 41779	0.1434	0.13582	0.13624	91.47953	35.4429	96.20253	12.89467	6.97952	13.63762	1.56E-11	5.4E-09	1.48E-09	4.81E-15	1.45E-14	1.15E-14	1.75E-17	4.23E-16	2.33E-17	4.6386E-16	1.731E-12	5.3964E-09	1.48062E-09	4.91675E-15	7.08012E-17	2.45411E-15	1.17797E-17
44	570710.55	4177958.99	0.55, 41779	0.15342	0.14402	0.1467	103.54122	38.62398	108.53691	12.94265	7.57754	15.98544	1.66E-11	5.97E-09	1.52E-09	5.11E-15	1.54E-14	1.22E-14	1.86E-17	4.5E-16	2.48E-17	4.93133E-16	1.84E-12	5.9676E-09	1.51556E-09	5.22703E-15	7.52693E-17	2.60898E-15	1.25231E-17
45	570750.55	4177958.99	0.55, 41779	0.16261	0.1515	0.15549	105.52732	44.38977	114.23814	13.19092	8.09206	15.7724	1.74E-11	6.59E-09	1.54E-09	5.38E-15	1.63E-14	1.28E-14	1.96E-17	4.74E-16	2.62E-17	5.19565E-16	1.939E-12	6.5859E-09	1.53797E-09	5.5072E-15	7.93037E-17	2.74882E-15	1.31943E-17
46	570790.55	4177958.99	0.55, 41779	0.16989	0.15823	0.16076	113.60479	47.24143	124.57926	14.2006	8.3928	15.57241	1.82E-11	7.06E-09	1.64E-09	5.62E-15	1.7E-14	1.34E-14	2.05E-17	4.94E-16	2.73E-17	5.42038E-16	2.023E-12	7.0607E-09	1.63767E-09	5.7454E-15	8.27338E-17	2.86772E-15	1.3765E-17
47	570830.55	4177958.99	0.55, 41779	0.1738	0.16401	0.16481	115.20896	49.45722	130.36471	14.40112	8.28774	16.29559	1.88E-11	7.35E-09	1.67E-09	5.81E-15	1.75E-14	1.39E-14	2.12E-17	5.11E-16	2.82E-17	5.60442E-16	2.091E-12	7.353E-09	1.66724E-09	5.94048E-15	8.55429E-17	2.96508E-15	1.42324E-17
48	570870.55	4177958.99	0.55, 41779	0.17339	0.16851	0.16469	122.33209	52.01335	138.82114	15.29151	7.46689	17.35264	1.92E-11	7.77E-09	1.77E-09	5.93E-15	1.79E-14	1.41E-14	2.16E-17	5.22E-16	2.88E-17	5.72467E-16	2.136E-12	7.767E-09	1.77096E-09	6.06795E-15	8.73785E-17	3.02871E-15	1.45378E-17
49	570910.55	4177958.99	0.55, 41779	0.16973	0.17204	0.1579	128.70888	55.67631	149.19916	16.08861	6.95954	18.64989	1.94E-11	8.3E-09	1.87E-09	5.99E-15	1.81E-14	1.43E-14	2.18E-17	5.27E-16	2.91E-17	5.78327E-16	2.158E-12	8.2988E-09	1.8683E-09	6.13006E-15	8.82729E-17	3.05971E-15	1.46866E-17
50	570950.55	4177958.99	0.55, 41779	0.16375	0.1746	0.15354	137.78687	58.35606	146.62449	21.41966	8.40086	22.62642	1.95E-11	8.6E-09	2.46E-09	6.03E-15	1.82E-14	1.44E-14	2.2E-17	5.31E-16	2.93E-17	5.81777E-16	2.171E-12	8.6027E-09	2.45914E-09	6.16663E-15	8.87994E-17	3.07796E-15	1.47742E-17
51	570990.55	4177958.99	0.55, 41779	0.1571	0.17611	0.15296	148.41379	62.43724	189.01685	21.20197	10.20575	28.13097	1.96E-11	9.63E-09	2.51E-09	6.05E-15	1.83E-14	1.44E-14	2.2E-17	5.32E-16	2.94E-17	5.83619E-16	2.178E-12	9.6263E-09	2.50763E-09	6.18615E-15	8.90805E-17	3.0877E-15	1.4821E-17
52	571030.55	4177958.99	0.55, 41779	0.15135	0.1787	0.14372	141.29712	68.4386	198.29024	19.05284	11.40643	25.9054	1.97E-11	1.02E-08	2.26E-09	6.07E-15	1.83E-14	1.45E-14	2.21E-17	5.34E-16	2.95E-17	5.85358E-16	2.184E-12	1.0218E-08	2.26146E-09	6.20459E-15	8.93461E-17	3.09691E-15	1.48652E-17
53	571070.55	4177958.99	0.55, 41779	0.14838	0.1815	0.13361	143.49488	74.36914	202.29359	18.79197	11.80682	25.2867	1.98E-11	1.08E-08	2.23E-09	6.1E-15	1.84E-14	1.45E-14	2.22E-17	5.36E-16	2.96E-17	5.88184E-16	2.195E-12	1.0832E-08	2.22712E-09	6.23454E-15	8.97773E-17	3.11186E-15	1.49369E-17
54	571110.55	4177958.99	0.55, 41779	0.14858	0.18375	0.13332	140.62761	73.34522	192.64407	22.74237	10.22286	24.08051	2E-11	1.06E-08	2.61E-09	6.16E-15	1.86E-14	1.47E-14	2.24E-17	5.42E-16	2.99E-17	5.94232E-16	2.217E-12	1.0586E-08	2.61173E-09	6.29865E-15	9.07005E-17	3.14386E-15	1.50905E-17
55	571150.55	4177958.99	0.55, 41779	0.14994	0.18566	0.14292	146.3467	67.83983	199.40983	22.92053	11.48399	30.37919	2.03E-11	1.02E-08	2.71E-09	6.25E-15	1.89E-14	1.49E-14	2.28E-17	5.5E-16	3.04E-17	6.03487E-16	2.252E-12	1.023E-08	2.71048E-09	6.39674E-15	9.21131E-17	3.19282E-15	1.53255E-17
56	571190.55	4177958.99	0.55, 41779	0.1525	0.18616	0.14359	161.89014	78.97315	204.49698	23.12716	11.84075	29.21385	2.03E-11	1.15E-08	2.72E-09	6.28E-15	1.9E-14	1.5E-14	2.29E-17	5.53E-16	3.05E-17	6.05879E-16	2.261E-12	1.1468E-08	2.71647E-09	6.4221E-15	9.24782E-17	3.20547E-15	1.53863E-17
57	571230.55	4177958.99	0.55, 41779	0.15542	0.18516	0.1383	156.07845	81.92899	197.17574	22.29692	11.22006	24.64697	2.02E-11	1.16E-08	2.57E-09	6.24E-15	1.88E-14	1.49E-14	2.27E-17	5.49E-16	3.03E-17	6.02041E-16	2.247E-12	1.1584E-08	2.57388E-09	6.38142E-15	9.18925E-17	3.18517E-15	1.52888E-17
58	571270.55	4177958.99	0.55, 41779	0.15909	0.18379	0.14205	158.42767	82.70179	205.30007	19.80346	11.54254	29.32858	2.02E-11	1.18E-08	2.38E-09	6.23E-15	1.88E-14	1.49E-14	2.27E-17	5.48E-16	3.02E-17	6.00879E-16	2.242E-12	1.1782E-08	2.38134E-09	6.3691E-15	9.17151E-17	3.17902E-15	1.52593E-17
59	571310.55	4177958.99	0.55, 41779	0.1655	0.18382	0.1484	150.26158	75.50789	204.0765	18.7827	10.48328	25.50956	2.03E-11	1.1E-08	2.23E-09	6.27E-15	1.89E-14	1.5E-14	2.29E-17	5.52E-16	3.05E-17	6.05339E-16	2.259E-12	1.1028E-08	2.22903E-09	6.41638E-15	9.23959E-17	3.20262E-15	1.53726E-17
60	571350.55	4177958.99	0.55, 41779	0.17654	0.1881	0.15257	154.82597	60.83045	189.56737	19.35325	9.71095	23.69592	2.09E-11	9.55E-09	2.26E-09	6.44E-15	1.95E-14	1.54E-14	2.35E-17	5.67E-16	3.13E-17	6.219E-16	2.321E-12	9.5528E-09	2.26358E-09	6.59192E-15	9.49236E-17	3.29024E-15	1.57931E-17
61	571390.55	4177958.99	0.55, 41779	0.18842	0.1934	0.15428	152.92189	54.55359	214.59873	19.11524	9.16318	26.82484	2.15E-11	9.28E-09	2.28E-09	6.64E-15	2E-14	1.58E-14	2.42E-17	5.84E-16	3.22E-17	6.40543E-16	2.39E-12	9.2827E-09	2.27956E-09	6.78953E-15	9.77692E-17	3.38887E-15	1.62666E-17
62	571430.55	4177958.99	0.55, 41779	0.20645	0.20414	0.16292	148.33328	50.38722	217.66749	18.54166	8.09078	27.20844	2.28E-11	8.9E-09	2.23E-09	7.03E-15	2.12E-14	1.68E-14	2.56E-17	6.19E-16	3.42E-17	6.78451E-16	2.532E-12	8.8957E-09	2.22639E-09	7.19134E-15	1.03555E-16	3.58943E-15	1.72292E-17
63	571470.55	4177958.99	0.55, 41779	0.22554	0.21577	0.17809	134.13897	46.24246	185.84967	16.76737	6.92684	23.23121	2.42E-11	7.97E-09	2E-09	7.48E-15	2.26E-14	1.78E-14	2.72E-17	6.58E-16	3.63E-17	7.21586E-16	2.693E-12	7.9653E-09	1.99574E-09	7.64855E-15	1.10139E-16	3.81764E-15	1.83247E-17
64	571510.55	4177958.99	0.55, 41779	0.24332	0.22654	0.20114	122.33786	38.55117	174.21255	15.29223	6.75463	21.77657	2.57E-11	7E-09	1.83E-09	7.93E-15	2.39E-14	1.89E-14	2.89E-17	6.98E-16	3.85E-17	7.64997E-16	2.855E-12	6.9952E-09	1.82771E-09	8.10869E-15	1.16765E-16	4.04731E-15	1.94271E-17
65	571550.55	4177958.99	0.55, 41779	0.25539	0.23344	0.22684	100.38932	31.1899	131.18831	12.54867	6.13877	16.39854	2.68E-11	5.55E-09	1.48E-09	8.26E-15	2.49E-14	1.97E-14	3.01E-17	7.27E-16	4.01E-17	7.97187E-16	2.975E-12	5.5489E-09	1.48095E-09	8.44989E-15	1.21678E-16	4.21761E-15	2.02445E-17
66	571590.55	4177958.99	0.55, 41779	0.26174	0.2364	0.25018	103.20811	24.1035	113.64553	12.90101	5.55119	14.20569	2.74E-11	4.71E-09	1.49E-09	8.46E-15	2.55E-14	2.02E-14	3.08E-17	7.44E-16	4.11E-17	8.16052E-16	3.045E-12	4.708E-09	1.48854E-09	8.64985E-15	1.24558E-16	4.31742E-15	2.07236E-17
67	570310.55	4177998.99	0.55, 41779	0.08992	0.06909	0.08739	61.55411	26.71644	63.33313	7.69426	4.42886	7.91664	8.33E-12	3.87E-09	8.81E-10	2.57E-15	7.76E-15	6.13E-15	9.36E-18	2.26E-16	1.25E-17	2.48041E-16	9.256E-13	3.8742E-09	8.80656E-10	2.62914E-15	3.78597E-17	1.31229E-15	6.29899E-18
68	570350.55	4177998.99	0.55, 41779	0.09687	0.07551	0.09431	63.16088	27.72336	68.96816	7.89511	4.52605	8.62102	9.07E-12	4.05E-09	9.1E-10	2.8E-15	8.45E-15	6.68E-15	1.02E-17	2.46E-16	1.36E-17	2.70202E-16	1.008E-12	4.0545E-09	9.10022E-10	2.86405E-15	4.12423E-17	1.42954E-15	6.86178E-18
69	570390.55	4177998.99	0.55, 41779	0.10411	0.08268	0.10154	65.18315	28.66629	70.59128	8.14789	4.5901	8.82391	9.89E-12	4.18E-09	9.38E-10	3.05E-15	9.22E-15	7.28E-15	1.11E-17	2.69E-16	1.48E-17	2.94603E-16	1.099E-12	4.1819E-09	9.38222E-10	3.12269E-15	4.49667E-17	1.55863E-15	7.48144E-18
70	570430.55	4177998.99	0.55, 41779	0.11178	0.0909	0.10932	69.77828	29.77159	73.90272	8.72229	4.64595	9.23784	1.08E-11	4.37E-09	1E-09	3.34E-15	1.01E-14	7.96E-15	1.22E-17	2.94E-16	1.62E-17	3.22191E-16	1.202E-12	4.372E-09	1.0017E-09	3.41511E-15	4.91776E-17	1.70459E-15	8.18204E-18
71	570470.55	4177998.99	0.55, 41779	0.11947	0.09994	0.11702	73.23749	30.82615	79.61188	9.15469	4.70414	9.95148	1.18E-11	4.58E-09	1.05E-09	3.65E-15	1.1E-14	8.7E-15	1.33E-17	3.21E-16	1.77E-17	3.51977E-16	1.313E-12	4.5766E-09	1.05463E-09	3.73083E-15	5.3724E-17	1.86218E-15	8.93845E-18
72	570510.55	4177998.99	0.55, 41779	0.12689	0.1096	0.1248	83.36058	31.87471	86.19643	10.42007	5.00665	10.77455	1.29E-11	4.86E-09	1.19E-09	3.97E-15	1.2E-14	9.48E-15	1.45E-17	3.5E-16	1.93E-17	3.83392E-16	1.431E-12	4.8602E-09	1.19333E-09	4.06381E-15	5.85189E-17	2.02838E-15	9.73622E-18
73	570550.55	4177998.99	0.55, 41779	0.1338	0.11968	0.13227	93.92369	33.13511	96.59692	11.74046	5.30601	12.07462	1.4E-11	5.22E-09	1.34E-09	4.31E-15	1.3E-14	1.03E-14	1.57E-17	3.79E-16	2.09E-17	4.15671E-16	1.551E-12	5.2165E-09	1.3437E-09	4.40596E-15	6.34458E-17	2.19915E-15	1.05559E-17
74	570590.55	4177998.99	0.55, 41779	0.14077	0.13095	0.13895	98.98148	34.43475	100.81152	12.37268	5.77536	12.60144	1.51E-11	5.44E-09	1.41E-09	4.67E-15	1.41E-14	1.11E-14	1.7E-17	4.11E-16	2.27E-17	4.50892E-16	1.683E-12	5.4406E-09	1.41448E-09	4.77929E-15	6.88218E-17	2.3855E-15	1.14504E-17
75	570630.55	4177998.99	0.55, 41779	0.14863	0.14246	0.14416	96.29887	35.58815	97.29546	12.03736	6.62596	12.16193	1.63E-11	5.47E-09	1.37E-09	5.04E-15	1.52E-14	1.2E-14	1.84E-17	4.44E-16	2.45E-17	4.86474E-16	1.815E-12	5.473E-09	1.37489E-09	5.15645E-15	7.42529E-17	2.57375E-15	1.2354E-17
76	570670.55	4177998.99	0.55, 41779	0.15906	0.15417	0.15133	108.0953	37.02771	115.61321	13.51191	7.37805	14.45165	1.76E-11	5.96E-09	1.55E-09	5.43E-15	1.64E-14	1.3E-14	1.98E-17	4.78E-16	2.64E-17	5.24131E-16	1.956E-12	5.9597E-09	1.55356E-09	5.5556E-15	8.00006E-17	2.77298E-15	1.33103E-17
77	570710.55	4177998.99	0.55, 41779	0.17207	0.16581	0.16328	109.21603	39.28347	116.55796	14.39109	8.06843	17.60456	1.89E-11	6.19E-09	1.68E-09	5.85E-15	1.77E-14	1.39E-14	2.13E-17	5.15E-16	2.84E-17	5.64209E-16	2.105E-12	6.1886E-09	1.68299E-09	5.98041E-15	8.61179E-17	2.98501E-15	1.43281E-17
78	570750.55	4177998.99	0.55, 41779	0.18601	0.17706	0.17647	119.66853	46.10023	126.10142	14.95857	8.7788	16.77146	2.03E-11	7.04E-09	1.73E-09	6.26E-15	1.89E-14	1.49E-14	2.28E-17	5.51E-16	3.04E-17	6.03987E-16	2.254E-12	7.0385E-09	1.72979E-09	6.40204E-15	9.21894E-17	3.19546E-15	1.53382E-17
79	570790.55	4177998.99	0.55, 41779	0.19953	0.18772	0.18696	122.67556	49.8289	134.57394	15.33445	9.45426	16.82174	2.15E-11	7.52E-09	1.77E-09	6.64E-15	2.01E-14	1.58E-14	2.42E-17	5.85E-16	3.23E-17	6.41007E-16	2.392E-12	7.5173E-09	1.7685E-09	6.79444E-15	9.784E-17	3.39132E-15	1.62784E-17
80	570830.55	4177998.99	0.55, 41779	0.21109	0.19773	0.1968	133.54261	52.4094	148.58094	16.69283	9.90962	18.57262	2.27E-11	8.04E-09	1.93E-09	7E-15	2.11E-14	1.67E-14	2.55E-17	6.16E-16	3.4E-17	6.7542E-16	2.52E-12	8.043E-09	1.9285E-09	7.15921E-15	1.03093E-16	3.57339E-15	1.71523E-17
81	570870.55	4177998.99	0.55, 41779	0.21804	0.20674	0.20398	131.45449	55.15858	156.57352	16.43181	9.77159	19.57169	2.37E-11	8.37E-09	1.91E-09	7.3E-15	2.21E-14	1.74E-14	2.66E-17	6.43E-16	3.55E-17	7.047E-16	2.63E-12	8.3743E-09	1.91487E-09	7.46957E-15	1.07562E-16	3.7283E-15	1.78958E-17
82	570910.55	4177998.99	0.55, 41779	0.21803	0.21414	0.20286	148.11273	59.13207	173.84644	18.51409	8.43226	21.73081	2.43E-11	9.13E-09	2.15E-09	7.51E-15	2.27E-14	1.79E-14	2.73E-17	6.61E-16	3.65E-17	7.24326E-16	2.703E-12	9.128E-09	2.15341E-09	7.6776E-15	1.10557E-16	3.83213E-15	1.83942E-17
83	570950.55	4177998.99	0.55, 41779	0.2114	0.21889	0.19586	140.12444	63.58464	170.21851	21.83562	9.32684	21.27731	2.46E-11	9.4E-09	2.48E-09	7.59E-15	2.29E-14	1.81E-14	2.77E-17	6.68E-16	3.69E-17	7.32506E-16	2.733E-12	9.4049E-09	2.48398E-09	7.7643E-15	1.11806E-16	3.87541E-15	1.8602E-17
84	570990.55	4177998.99	0.55, 41779	0.2013	0.22185	0.19061	171.25011	67.61488	221.4052	25.43318	11.18299	33.45295	2.47E-11	1.07E-08	3E-09	7.62E-15	2.3E-14	1.82E-14	2.78E-17	6.71E-16	3.7E-17	7.35443E-16	2.744E-12	1.0747E-08	3.00432E-09	7.79543E-15	1.12254E-16	3.89095E-15	1.86766E-17
85	571030.55	4177998.99	0.55, 41779	0.19301	0.22456	0.1804	161.4506	75.02365	233.40135	21.94671	12.50394	33.34305	2.47E-11	1.15E-08	2.65E-09	7.63E-15	2.3E-14	1.82E-14	2.78E-17	6.71E-16	3.71E-17	7.36363E-16	2.748E-12	1.1474E-08	2.64983E-09	7.80518E-15	1.12395E-16	3.89581E-15	1.86999E-17
86	571070.55	4177998.99	0.55, 41779	0.18927	0.22808	0.16676	165.36156	82.48884	231.46597	21.97245	12.95225	28.93325	2.48E-11	1.22E-08	2.6E-09	7.66E-15	2.31E-14	1.83E-14	2.79E-17	6.74E-16	3.72E-17	7.39558E-16	2.76E-12	1.2169E-08	2.59593E-09	7.83904E-15	1.12882E-16	3.91272E-15	1.8781E-17
87	571110.55	4177998.99	0.55, 41779	0.18141	0.21619	0.16049	158.60632	80.72549	237.56536	25.62624	11.81551	29.69982	2.36E-11	1.2E-08	2.98E-09	7.28E-15	2.2E-14	1.74E-14	2.65E-17	6.41E-16	3.54E-17	7.02541E-16	2.622E-12	1.2017E-08	2.97579E-09	7.44668E-15	1.07232E-16	3.71688E-15	1.7841E-17
88	571150.55	4177998.99	0.55, 41779	0.19202	0.23351	0.18032	164.05988	80.42402	231.86209	24.96785	14.13496	37.65816	2.55E-11	1.2E-08	3.01E-09	7.88E-15	2.38E-14	1.88E-14	2.87E-17	6.93E-16	3.83E-17	7.60287E-16	2.837E-12	1.1973E-08	3.01108E-09	8.05877E-15	1.16046E-16	4.02239E-15	1.93075E-17
89	571190.55	4177998.99	0.55, 41779	0.1978	0.23414	0.17819	182.21875	91.74664	241.78028	26.03125	13.21695	31.92825	2.56E-11	1.33E-08	3.05E-09	7.91E-15	2.39E-14	1.89E-14	2.88E-17	6.96E-16	3.84E-17	7.62946E-16	2.847E-12	1.3317E-08	3.04536E-09	8.08696E-15	1.16452E-16	4.03646E-15	1.9375E-17
90	571230.55	4177998.99	0.55, 41779	0.20367	0.23289	0.17473	172.67663	91.69738	231.55794	22.62496	13.85272	33.07971	2.55E-11	1.31E-08	2.72E-09	7.88E-15	2.38E-14	1.88E-14	2.87E-17	6.93E-16	3.83E-17	7.6003E-16	2.836E-12	1.3083E-08	2.71514E-09	8.05604E-15	1.16007E-16	4.02103E-15	1.93009E-17
91	571270.55	4177998.99	0.55, 41779	0.21358	0.23476	0.18394	171.66845	86.35935	210.57834	21.45856	13.01074	28.58393	2.59E-11	1.23E-08	2.54E-09	8E-15	2.41E-14	1.91E-14	2.91E-17	7.04E-16	3.88E-17	7.71636E-16	2.879E-12	1.2318E-08	2.53942E-09	8.17907E-15	1.17779E-16	4.08243E-15	1.95957E-17
92	571310.55	4177998.99	0.55, 41779	0.23025	0.24083	0.19159	171.26207	72.34733	231.62674	21.40776	11.81711	28.95334	2.67E-11	1.13E-08	2.54E-09	8.25E-15	2.49E-14	1.97E-14	3.01E-17	7.26E-16	4.01E-17	7.96095E-16	2.971E-12	1.1309E-08	2.539E-09	8.43832E-15	1.21512E-16	4.21183E-15	2.02168E-17
93	571350.55	4177998.99	0.55, 41779	0.25373	0.25254	0.198	169.27826	60.68614	249.61103	21.15978	11.13084	31.20138	2.81E-11	1.05E-08	2.54E-09	8.68E-15	2.62E-14	2.07E-14	3.16E-17	7.64E-16	4.22E-17	8.37444E-16	3.125E-12	1.0457E-08	2.54269E-09	8.87661E-15	1.27823E-16	4.4306E-15	2.12669E-17
94	571390.55	4177998.99	0.55, 41779	0.27999	0.26698	0.21185	164.13881	55.69534	253.30621	20.51735	9.69774	31.66328	2.99E-11	1E-08	2.48E-09	9.22E-15	2.78E-14	2.2E-14	3.36E-17	8.11E-16	4.48E-17	8.8988E-16	3.321E-12	9.9975E-09	2.48355E-09	9.43241E-15	1.35827E-16	4.70802E-15	2.25985E-17
95	571430.55	4177998.99	0.55, 41779	0.30187	0.27888	0.2328	148.06777	50.74185	217.39094	18.50847	8.30154	27.17387	3.15E-11	8.92E-09	2.22E-09	9.71E-15	2.93E-14	2.32E-14	3.54E-17	8.54E-16	4.72E-17	9.36803E-16	3.496E-12	8.9218E-09	2.22258E-09	9.92978E-15	1.42989E-16	4.95627E-15	2.37901E-17
96	571470.55	4177998.99	0.55, 41779	0.32222	0.29016	0.268	133.22849	41.8567	195.88733	16.65356	8.00082	24.48592	3.31E-11	7.69E-09	2E-09	1.02E-14	3.09E-14	2.44E-14	3.73E-17	9E-16	4.97E-17	9.87016E-16	3.683E-12	7.6854E-09	2.00029E-09	1.0462E-14	1.50653E-16	5.22193E-15	2.50652E-17
97	571510.55	4177998.99	0.55, 41779	0.33311	0.29527	0.30394	113.25391	33.39085	138.27651	14.15674	7.16119	17.28456	3.42E-11	5.97E-09	1.66E-09	1.05E-14	3.19E-14	2.52E-14	3.84E-17	9.28E-16	5.12E-17	1.0179E-15	3.798E-12	5.9719E-09	1.65516E-09	1.07894E-14	1.55367E-16	5.38533E-15	2.58496E-17
98	571550.55	4177998.99	0.55, 41779	0.33431	0.29408	0.33024	118.79132	25.19774	142.42424	14.84891	6.75336	17.80303	3.44E-11	5.34E-09	1.73E-09	1.06E-14	3.21E-14	2.53E-14	3.87E-17	9.35E-16	5.16E-17	1.02508E-15	3.825E-12	5.336E-09	1.7319E-09	1.08654E-14	1.56462E-16	5.42329E-15	2.60318E-17
99	571590.55	4177998.99	0.55, 41779	0.32897	0.28857	0.34209	117.12124	19.87515	150.29933	14.64016	6.7762	18.78742	3.4E-11	4.94E-09	1.72E-09	1.05E-14	3.17E-14	2.5E-14	3.82E-17	9.24E-16	5.1E-17	1.01303E-15	3.78E-12	4.9353E-09	1.72337E-09	1.07378E-14	1.54624E-16	5.35957E-15	2.57259E-17
100	570310.55	4178038.99	0.55, 41780	0.09395	0.07118	0.09114	60.38117	27.45867	68.75884	7.54765	4.57644	8.59485	8.61E-12	4E-09	8.74E-10	2.66E-15	8.02E-15	6.34E-15	9.68E-18	2.34E-16	1.29E-17	2.56366E-16	9.566E-13	3.9993E-09	8.74498E-10	2.71739E-15	3.91304E-17	1.35633E-15	6.51041E-18
101	570350.55	4178038.99	0.55, 41780	0.10181	0.07823	0.09867	67.40685	28.30867	69.9761	8.42586	4.71811	8.74701	9.43E-12	4.16E-09	9.65E-10	2.91E-15	8.78E-15	6.94E-15	1.06E-17	2.56E-16	1.41E-17	2.80745E-16	1.048E-12	4.1643E-09	9.65387E-10	2.9758E-15	4.28515E-17	1.48532E-15	7.12952E-18
102	570390.55	4178038.99	0.55, 41780	0.11033	0.08626	0.10708	70.86935	29.39362	77.00767	8.85867	4.86131	9.62596	1.04E-11	4.39E-09	1.02E-09	3.2E-15	9.65E-15	7.62E-15	1.16E-17	2.81E-16	1.55E-17	3.08318E-16	1.151E-12	4.3886E-09	1.02048E-09	3.26806E-15	4.70601E-17	1.63119E-15	7.82973E-18
103	570430.55	4178038.99	0.55, 41780	0.11935	0.09539	0.11615	72.77771	30.53752	78.92837	9.09721	4.99157	9.86605	1.14E-11	4.54E-09	1.05E-09	3.52E-15	1.06E-14	8.39E-15	1.28E-17	3.09E-16	1.71E-17	3.39277E-16	1.266E-12	4.5369E-09	1.04771E-09	3.59621E-15	5.17854E-17	1.79498E-15	8.61592E-18
104	570470.55	4178038.99	0.55, 41780	0.12876	0.10583	0.1256	77.88414	31.78332	83.40463	9.73552	5.12346	10.42558	1.26E-11	4.76E-09	1.12E-09	3.88E-15	1.17E-14	9.25E-15	1.41E-17	3.41E-16	1.88E-17	3.7405E-16	1.396E-12	4.76E-09	1.11953E-09	3.96479E-15	5.7093E-17	1.97895E-15	9.49898E-18
105	570510.55	4178038.99	0.55, 41780	0.13797	0.11733	0.13491	81.61557	33.05226	90.60057	10.20195	5.27698	11.32507	1.38E-11	5.01E-09	1.18E-09	4.27E-15	1.29E-14	1.02E-14	1.55E-17	3.75E-16	2.07E-17	4.11581E-16	1.536E-12	5.0059E-09	1.17829E-09	4.36261E-15	6.28216E-17	2.17752E-15	1.04521E-17
106	570550.55	4178038.99	0.55, 41780	0.14677	0.12979	0.14418	83.22783	34.40977	92.92473	10.40348	5.64664	11.61559	1.52E-11	5.18E-09	1.2E-09	4.68E-15	1.41E-14	1.12E-14	1.7E-17	4.12E-16	2.27E-17	4.51574E-16	1.685E-12	5.1758E-09	1.20242E-09	4.78653E-15	6.8926E-17	2.38911E-15	1.14677E-17
107	570590.55	4178038.99	0.55, 41780	0.15543	0.14397	0.15331	100.7883	35.81672	104.85134	12.59854	6.05306	13.10642	1.67E-11	5.64E-09	1.44E-09	5.14E-15	1.55E-14	1.23E-14	1.87E-17	4.52E-16	2.5E-17	4.96133E-16	1.851E-12	5.6367E-09	1.44382E-09	5.25883E-15	7.57272E-17	2.62485E-15	1.25993E-17
108	570630.55	4178038.99	0.55, 41780	0.16446	0.15887	0.16086	114.63184	37.47906	118.86748	14.32898	6.85921	14.85844	1.82E-11	6.11E-09	1.64E-09	5.62E-15	1.7E-14	1.34E-14	2.05E-17	4.94E-16	2.73E-17	5.42153E-16	2.023E-12	6.1095E-09	1.64152E-09	5.74663E-15	8.27515E-17	2.86833E-15	1.3768E-17
109	570670.55	4178038.99	0.55, 41780	0.17604	0.17458	0.16859	120.19022	39.09251	122.97013	15.02378	7.81169	15.37127	1.99E-11	6.37E-09	1.72E-09	6.13E-15	1.85E-14	1.46E-14	2.23E-17	5.39E-16	2.98E-17	5.91216E-16	2.206E-12	6.3659E-09	1.71845E-09	6.26667E-15	9.02401E-17	3.1279E-15	1.50139E-17
110	570710.55	4178038.99	0.55, 41780	0.19156	0.191	0.18153	122.05191	40.81454	130.55962	15.86896	8.63568	17.88475	2.17E-11	6.64E-09	1.84E-09	6.69E-15	2.02E-14	1.6E-14	2.44E-17	5.89E-16	3.25E-17	6.45393E-16	2.408E-12	6.6389E-09	1.83625E-09	6.84093E-15	9.85094E-17	3.41453E-15	1.63897E-17
111	570750.55	4178038.99	0.55, 41780	0.2105	0.20761	0.19902	132.53323	47.68084	144.79481	16.56665	9.43658	19.64627	2.36E-11	7.55E-09	1.93E-09	7.28E-15	2.2E-14	1.74E-14	2.65E-17	6.41E-16	3.54E-17	7.02864E-16	2.623E-12	7.5538E-09	1.92948E-09	7.45011E-15	1.07282E-16	3.71859E-15	1.78492E-17
112	570790.55	4178038.99	0.55, 41780	0.23169	0.22417	0.21523	139.552	52.7884	147.64201	17.444	10.33029	19.40572	2.55E-11	8.13E-09	2.02E-09	7.88E-15	2.38E-14	1.88E-14	2.87E-17	6.93E-16	3.83E-17	7.60399E-16	2.837E-12	8.1271E-09	2.01525E-09	8.05996E-15	1.16063E-16	4.02298E-15	1.93103E-17
113	570830.55	4178038.99	0.55, 41780	0.25382	0.24067	0.23208	145.24751	55.81087	161.73262	18.15594	11.28689	20.21658	2.75E-11	8.64E-09	2.1E-09	8.48E-15	2.56E-14	2.02E-14	3.09E-17	7.46E-16	4.12E-17	8.18302E-16	3.054E-12	8.6411E-09	2.09774E-09	8.67371E-15	1.24901E-16	4.32932E-15	2.07808E-17
114	570870.55	4178038.99	0.55, 41780	0.27385	0.25672	0.25028	159.27674	59.06353	181.66903	19.90959	12.04587	22.70863	2.94E-11	9.34E-09	2.31E-09	9.07E-15	2.74E-14	2.16E-14	3.3E-17	7.98E-16	4.4E-17	8.7486E-16	3.265E-12	9.3364E-09	2.30727E-09	9.2732E-15	1.33534E-16	4.62855E-15	2.2217E-17
115	570910.55	4178038.99	0.55, 41780	0.28498	0.272	0.26185	154.31681	63.03506	190.144	19.2896	11.80173	23.768	3.1E-11	9.76E-09	2.26E-09	9.58E-15	2.89E-14	2.28E-14	3.49E-17	8.43E-16	4.65E-17	9.24084E-16	3.448E-12	9.7557E-09	2.25805E-09	9.79496E-15	1.41047E-16	4.88898E-15	2.34671E-17
116	570950.55	4178038.99	0.55, 41780	0.28313	0.28254	0.2606	178.15221	69.82475	214.80591	22.26903	10.41815	26.85074	3.2E-11	1.09E-08	2.6E-09	9.86E-15	2.98E-14	2.35E-14	3.59E-17	8.68E-16	4.79E-17	9.5161E-16	3.551E-12	1.0934E-08	2.59929E-09	1.00867E-14	1.45249E-16	5.0346E-15	2.41661E-17
117	570990.55	4178038.99	0.55, 41780	0.27042	0.28832	0.24711	188.87787	74.10995	223.28286	29.14051	12.35166	34.29706	3.22E-11	1.15E-08	3.39E-09	9.93E-15	3E-14	2.37E-14	3.62E-17	8.74E-16	4.82E-17	9.58249E-16	3.576E-12	1.1543E-08	3.39059E-09	1.01571E-14	1.46262E-16	5.06973E-15	2.43347E-17
118	571030.55	4178038.99	0.55, 41780	0.25749	0.29249	0.23391	188.96663	83.29257	277.8919	26.99523	13.88209	39.69884	3.23E-11	1.31E-08	3.24E-09	9.95E-15	3.01E-14	2.37E-14	3.63E-17	8.76E-16	4.84E-17	9.60569E-16	3.584E-12	1.3079E-08	3.24254E-09	1.01817E-14	1.46616E-16	5.08201E-15	2.43936E-17
119	571070.55	4178038.99	0.55, 41780	0.25163	0.29646	0.21613	192.59035	92.57991	271.23553	26.01862	14.40126	34.27332	3.23E-11	1.39E-08	3.07E-09	9.98E-15	3.01E-14	2.38E-14	3.63E-17	8.78E-16	4.85E-17	9.62757E-16	3.593E-12	1.3876E-08	3.07412E-09	1.02049E-14	1.4695E-16	5.09358E-15	2.44492E-17
120	571110.55	4178038.99	0.55, 41780	0.23996	0.28057	0.20816	179.79911	89.13384	295.00102	29.33997	15.522	36.88643	3.07E-11	1.37E-08	3.44E-09	9.46E-15	2.86E-14	2.26E-14	3.45E-17	8.33E-16	4.6E-17	9.13088E-16	3.407E-12	1.3736E-08	3.44397E-09	9.6784E-15	1.39369E-16	4.8308E-15	2.31878E-17
121	571150.55	4178038.99	0.55, 41780	0.25767	0.30302	0.23363	202.30498	100.11261	284.90591	28.90071	16.95197	47.48432	3.32E-11	1.48E-08	3.54E-09	1.02E-14	3.09E-14	2.44E-14	3.73E-17	9.02E-16	4.98E-17	9.89057E-16	3.691E-12	1.4837E-08	3.53527E-09	1.04836E-14	1.50965E-16	5.23272E-15	2.51171E-17
122	571190.55	4178038.99	0.55, 41780	0.27122	0.30641	0.22867	194.68377	101.89225	297.80862	27.81197	16.7188	37.22608	3.36E-11	1.51E-08	3.29E-09	1.04E-14	3.13E-14	2.47E-14	3.78E-17	9.12E-16	5.04E-17	1.00049E-15	3.733E-12	1.5086E-08	3.29358E-09	1.06048E-14	1.52709E-16	5.2932E-15	2.54074E-17
123	571230.55	4178038.99	0.55, 41780	0.28804	0.31092	0.2326	196.84209	99.06119	294.63263	24.60526	16.26482	42.09038	3.42E-11	1.48E-08	3.03E-09	1.06E-14	3.19E-14	2.52E-14	3.85E-17	9.3E-16	5.13E-17	1.01934E-15	3.804E-12	1.481E-08	3.03115E-09	1.08047E-14	1.55587E-16	5.39296E-15	2.58862E-17
124	571270.55	4178038.99	0.55, 41780	0.31661	0.32283	0.24843	191.8709	85.51951	280.99547	23.98386	14.63938	35.12443	3.58E-11	1.34E-08	2.88E-09	1.11E-14	3.34E-14	2.64E-14	4.03E-17	9.72E-16	5.37E-17	1.06638E-15	3.979E-12	1.3351E-08	2.87896E-09	1.13033E-14	1.62767E-16	5.64183E-15	2.70808E-17
125	571310.55	4178038.99	0.55, 41780	0.35598	0.34149	0.26147	189.38373	68.10225	290.04443	23.67297	13.72977	36.25555	3.81E-11	1.19E-08	2.86E-09	1.18E-14	3.55E-14	2.8E-14	4.28E-17	1.03E-15	5.71E-17	1.13395E-15	4.231E-12	1.1856E-08	2.86197E-09	1.20195E-14	1.7308E-16	5.99929E-15	2.87966E-17
126	571350.55	4178038.99	0.55, 41780	0.39399	0.35989	0.2835	182.95784	62.01914	299.45287	22.86973	11.81322	37.43161	4.04E-11	1.14E-08	2.8E-09	1.25E-14	3.77E-14	2.98E-14	4.54E-17	1.1E-15	6.06E-17	1.20382E-15	4.492E-12	1.1357E-08	2.79569E-09	1.27601E-14	1.83746E-16	6.36898E-15	3.05711E-17
127	571390.55	4178038.99	0.55, 41780	0.4222	0.3733	0.32107	164.47464	56.17724	258.72398	20.55933	10.13431	32.3405	4.24E-11	1.01E-08	2.5E-09	1.31E-14	3.95E-14	3.12E-14	4.77E-17	1.15E-15	6.36E-17	1.26311E-15	4.713E-12	1.0114E-08	2.49648E-09	1.33886E-14	1.92795E-16	6.68265E-15	3.20767E-17
128	571430.55	4178038.99	0.55, 41780	0.44026	0.38105	0.3744	146.31006	45.8458	221.86738	18.28876	9.60517	27.73342	4.4E-11	8.52E-09	2.21E-09	1.36E-14	4.1E-14	3.24E-14	4.95E-17	1.19E-15	6.59E-17	1.30998E-15	4.888E-12	8.5154E-09	2.2075E-09	1.38853E-14	1.99948E-16	6.93059E-15	3.32668E-17
129	571470.55	4178038.99	0.55, 41780	0.44344	0.3799	0.42037	134.05635	35.96521	154.66668	16.75704	8.42199	19.33334	4.45E-11	6.63E-09	1.94E-09	1.37E-14	4.15E-14	3.28E-14	5E-17	1.21E-15	6.67E-17	1.32537E-15	4.946E-12	6.6295E-09	1.94475E-09	1.40484E-14	2.02297E-16	7.01202E-15	3.36577E-17
130	571510.55	4178038.99	0.55, 41780	0.43369	0.37075	0.44522	135.2804	26.4112	176.84451	16.91005	8.14543	22.10556	4.39E-11	6.06E-09	2E-09	1.35E-14	4.09E-14	3.23E-14	4.93E-17	1.19E-15	6.58E-17	1.30707E-15	4.877E-12	6.0565E-09	1.99577E-09	1.38545E-14	1.99505E-16	6.91523E-15	3.31931E-17
131	571550.55	4178038.99	0.55, 41780	0.4157	0.35641	0.44493	128.00174	25.24959	172.96462	16.00022	7.84928	21.62058	4.24E-11	5.83E-09	1.9E-09	1.31E-14	3.95E-14	3.12E-14	4.77E-17	1.15E-15	6.36E-17	1.26261E-15	4.711E-12	5.8265E-09	1.89741E-09	1.33832E-14	1.92718E-16	6.67997E-15	3.20639E-17
132	571590.55	4178038.99	0.55, 41780	0.38889	0.33646	0.4222	114.21376	28.264	151.26331	14.27672	7.21894	18.90791	4E-11	5.68E-09	1.69E-09	1.23E-14	3.73E-14	2.95E-14	4.5E-17	1.09E-15	6E-17	1.19168E-15	4.447E-12	5.6815E-09	1.68811E-09	1.26314E-14	1.81892E-16	6.30473E-15	3.02627E-17
133	570310.55	4178078.99	0.55, 41780	0.09792	0.07296	0.09477	71.40728	28.01469	77.09789	8.92591	4.66912	9.63724	8.86E-12	4.27E-09	1.03E-09	2.73E-15	8.25E-15	6.52E-15	9.96E-18	2.41E-16	1.33E-17	2.63787E-16	9.843E-13	4.2698E-09	1.02744E-09	2.79605E-15	4.02631E-17	1.3956E-15	6.69886E-18
134	570350.55	4178078.99	0.55, 41780	0.1067	0.08065	0.10312	70.03301	29.10671	80.22931	8.75413	4.85112	10.02866	9.76E-12	4.4E-09	1.02E-09	3.01E-15	9.09E-15	7.18E-15	1.1E-17	2.65E-16	1.46E-17	2.90495E-16	1.084E-12	4.3952E-09	1.01505E-09	3.07914E-15	4.43396E-17	1.5369E-15	7.3771E-18
135	570390.55	4178078.99	0.55, 41780	0.11641	0.08948	0.11242	73.93226	30.15719	77.81828	9.24153	5.0262	9.72728	1.08E-11	4.5E-09	1.06E-09	3.33E-15	1E-14	7.93E-15	1.21E-17	2.93E-16	1.62E-17	3.20938E-16	1.198E-12	4.4999E-09	1.06055E-09	3.40183E-15	4.89864E-17	1.69796E-15	8.15022E-18
136	570430.55	4178078.99	0.55, 41780	0.12715	0.09969	0.12302	79.99098	31.34254	86.52141	9.99887	5.20891	10.81518	1.2E-11	4.78E-09	1.15E-09	3.69E-15	1.11E-14	8.8E-15	1.34E-17	3.25E-16	1.79E-17	3.55933E-16	1.328E-12	4.7814E-09	1.15119E-09	3.77276E-15	5.43277E-17	1.8831E-15	9.0389E-18
137	570470.55	4178078.99	0.55, 41780	0.13857	0.11144	0.13449	81.53824	32.65768	88.86509	10.19228	5.39019	11.10814	1.33E-11	4.95E-09	1.17E-09	4.1E-15	1.24E-14	9.78E-15	1.49E-17	3.61E-16	1.99E-17	3.9564E-16	1.476E-12	4.947E-09	1.17453E-09	4.19365E-15	6.03885E-17	2.09318E-15	1.00473E-17
138	570510.55	4178078.99	0.55, 41780	0.15049	0.12507	0.14657	87.75299	34.11951	95.20757	10.96912	5.60116	11.90095	1.48E-11	5.23E-09	1.26E-09	4.57E-15	1.38E-14	1.09E-14	1.66E-17	4.02E-16	2.22E-17	4.40829E-16	1.645E-12	5.225E-09	1.26336E-09	4.67263E-15	6.72858E-17	2.33226E-15	1.11948E-17
139	570550.55	4178078.99	0.55, 41780	0.16198	0.14034	0.1583	91.64015	35.64897	104.22382	11.45502	5.99366	13.02798	1.65E-11	5.52E-09	1.33E-09	5.08E-15	1.53E-14	1.21E-14	1.85E-17	4.47E-16	2.47E-17	4.90197E-16	1.829E-12	5.5196E-09	1.32701E-09	5.19592E-15	7.48212E-17	2.59345E-15	1.24485E-17
140	570590.55	4178078.99	0.55, 41780	0.17272	0.15744	0.16968	88.35639	37.38874	105.88084	11.57204	6.46071	13.23511	1.83E-11	5.67E-09	1.34E-09	5.64E-15	1.7E-14	1.35E-14	2.05E-17	4.96E-16	2.74E-17	5.44163E-16	2.031E-12	5.6655E-09	1.34152E-09	5.76794E-15	8.30583E-17	2.87896E-15	1.3819E-17
141	570630.55	4178078.99	0.55, 41780	0.1831	0.1763	0.17984	101.08083	39.23196	114.54818	12.6351	7.02353	14.31852	2.02E-11	6.07E-09	1.46E-09	6.24E-15	1.88E-14	1.49E-14	2.27E-17	5.49E-16	3.03E-17	6.02324E-16	2.248E-12	6.0748E-09	1.46306E-09	6.38442E-15	9.19357E-17	3.18667E-15	1.5296E-17
142	570670.55	4178078.99	0.55, 41780	0.19537	0.19687	0.18849	125.63761	41.20021	131.91916	15.7047	8.22231	16.4899	2.23E-11	6.73E-09	1.8E-09	6.89E-15	2.08E-14	1.64E-14	2.51E-17	6.07E-16	3.35E-17	6.65121E-16	2.482E-12	6.7282E-09	1.80175E-09	7.05004E-15	1.01521E-16	3.5189E-15	1.68907E-17
143	570710.55	4178078.99	0.55, 41780	0.21241	0.21933	0.20096	144.38379	43.29239	151.59141	18.04797	9.29195	18.94893	2.47E-11	7.36E-09	2.07E-09	7.63E-15	2.3E-14	1.82E-14	2.78E-17	6.71E-16	3.7E-17	7.35953E-16	2.746E-12	7.3629E-09	2.07056E-09	7.80083E-15	1.12332E-16	3.89364E-15	1.86895E-17
144	570750.55	4178078.99	0.55, 41780	0.23537	0.24332	0.2221	149.96792	48.92505	154.1756	18.74599	10.23	23.04389	2.74E-11	7.97E-09	2.19E-09	8.46E-15	2.55E-14	2.02E-14	3.08E-17	7.44E-16	4.11E-17	8.16046E-16	3.045E-12	7.9659E-09	2.19372E-09	8.64979E-15	1.24557E-16	4.31739E-15	2.07235E-17
145	570790.55	4178078.99	0.55, 41780	0.26445	0.26867	0.24585	159.48841	56.15329	178.05216	19.93605	11.24377	22.79466	3.03E-11	9.03E-09	2.31E-09	9.35E-15	2.82E-14	2.23E-14	3.41E-17	8.23E-16	4.54E-17	9.02689E-16	3.368E-12	9.0274E-09	2.31105E-09	9.56818E-15	1.37782E-16	4.77578E-15	2.29238E-17
146	570830.55	4178078.99	0.55, 41780	0.30001	0.29551	0.27029	164.85959	59.75168	177.78875	20.60745	12.43332	22.22359	3.34E-11	9.41E-09	2.37E-09	1.03E-14	3.12E-14	2.46E-14	3.76E-17	9.08E-16	5.01E-17	9.95611E-16	3.715E-12	9.4066E-09	2.37173E-09	1.05531E-14	1.51965E-16	5.2674E-15	2.52835E-17
147	570870.55	4178078.99	0.55, 41780	0.34051	0.32416	0.30185	178.96906	63.85658	203.22306	22.37113	13.91568	25.40288	3.69E-11	1.03E-08	2.59E-09	1.14E-14	3.43E-14	2.71E-14	4.14E-17	1E-15	5.53E-17	1.09766E-15	4.096E-12	1.0251E-08	2.59108E-09	1.16348E-14	1.67542E-16	5.80732E-15	2.78751E-17
148	570910.55	4178078.99	0.55, 41780	0.37529	0.35313	0.33459	192.82824	68.49057	229.7632	24.10353	15.26079	28.7204	4.03E-11	1.12E-08	2.81E-09	1.24E-14	3.75E-14	2.96E-14	4.53E-17	1.09E-15	6.04E-17	1.19929E-15	4.475E-12	1.1155E-08	2.80903E-09	1.2712E-14	1.83053E-16	6.34497E-15	3.04559E-17
149	570950.55	4178078.99	0.55, 41780	0.39192	0.37725	0.35493	199.56835	75.56845	241.42387	26.9715	14.65967	30.17798	4.29E-11	1.2E-08	3.12E-09	1.32E-14	4E-14	3.16E-14	4.82E-17	1.16E-15	6.43E-17	1.2775E-15	4.767E-12	1.2017E-08	3.11815E-09	1.3541E-14	1.9499E-16	6.75874E-15	3.2442E-17
150	570990.55	4178078.99	0.55, 41780	0.38624	0.39167	0.34038	209.52387	83.72546	270.89556	31.32288	13.79848	33.86195	4.4E-11	1.32E-08	3.61E-09	1.36E-14	4.1E-14	3.24E-14	4.94E-17	1.19E-15	6.59E-17	1.30929E-15	4.886E-12	1.324E-08	3.60603E-09	1.3878E-14	1.99844E-16	6.92698E-15	3.32495E-17
151	571030.55	4178078.99	0.55, 41780	0.36706	0.40059	0.31708	238.62537	94.19927	346.28961	34.73297	15.69988	52.33117	4.43E-11	1.55E-08	4.19E-09	1.37E-14	4.13E-14	3.26E-14	4.98E-17	1.2E-15	6.64E-17	1.31873E-15	4.921E-12	1.5457E-08	4.18802E-09	1.3978E-14	2.01284E-16	6.97688E-15	3.3489E-17
152	571070.55	4178078.99	0.55, 41780	0.35702	0.41066	0.29659	228.92087	105.90077	368.47625	31.45005	16.61116	46.05953	4.48E-11	1.67E-08	3.78E-09	1.38E-14	4.18E-14	3.3E-14	5.04E-17	1.22E-15	6.72E-17	1.33514E-15	4.982E-12	1.6707E-08	3.7752E-09	1.4152E-14	2.03789E-16	7.06371E-15	3.39058E-17
153	571110.55	4178078.99	0.55, 41780	0.35812	0.41418	0.29542	212.64364	104.08221	374.64105	34.6648	20.98986	46.90606	4.52E-11	1.65E-08	4.11E-09	1.39E-14	4.21E-14	3.32E-14	5.08E-17	1.23E-15	6.77E-17	1.34457E-15	5.017E-12	1.6454E-08	4.11161E-09	1.42519E-14	2.05228E-16	7.1136E-15	3.41453E-17
154	571150.55	4178078.99	0.55, 41780	0.37758	0.42317	0.31748	239.48451	117.47672	371.65504	34.21207	20.38272	60.67868	4.65E-11	1.79E-08	4.24E-09	1.43E-14	4.33E-14	3.42E-14	5.22E-17	1.26E-15	6.96E-17	1.38329E-15	5.162E-12	1.791E-08	4.24223E-09	1.46624E-14	2.11138E-16	7.31846E-15	3.51286E-17
155	571190.55	4178078.99	0.55, 41780	0.41277	0.43447	0.31013	228.77572	115.09155	359.73847	28.66724	20.67403	44.96731	4.78E-11	1.74E-08	3.48E-09	1.47E-14	4.45E-14	3.51E-14	5.37E-17	1.3E-15	7.16E-17	1.42185E-15	5.306E-12	1.743E-08	3.47938E-09	1.50711E-14	2.17024E-16	7.52248E-15	3.61079E-17
156	571230.55	4178078.99	0.55, 41780	0.46673	0.45732	0.33128	219.54291	100.98995	305.404	27.44286	18.56894	43.62914	5.07E-11	1.54E-08	3.34E-09	1.56E-14	4.72E-14	3.73E-14	5.69E-17	1.38E-15	7.59E-17	1.50832E-15	5.628E-12	1.5356E-08	3.33823E-09	1.59877E-14	2.30222E-16	7.97995E-15	3.83038E-17
157	571270.55	4178078.99	0.55, 41780	0.53318	0.48578	0.3586	215.1929	81.06645	332.5769	26.89911	17.27973	41.57211	5.43E-11	1.38E-08	3.26E-09	1.67E-14	5.06E-14	3.99E-14	6.1E-17	1.47E-15	8.14E-17	1.61616E-15	6.031E-12	1.3846E-08	3.25681E-09	1.71307E-14	2.46682E-16	8.55049E-15	4.10424E-17
158	571310.55	4178078.99	0.55, 41780	0.58671	0.50689	0.39805	205.97464	69.75551	363.05687	25.74683	14.70822	45.38211	5.73E-11	1.31E-08	3.19E-09	1.77E-14	5.33E-14	4.21E-14	6.44E-17	1.55E-15	8.58E-17	1.70476E-15	6.361E-12	1.3112E-08	3.18893E-09	1.80699E-14	2.60206E-16	9.01926E-15	4.32924E-17
159	571350.55	4178078.99	0.55, 41780	0.61439	0.51569	0.46686	184.46358	62.8789	316.33591	23.05795	12.5762	39.54199	5.92E-11	1.17E-08	2.84E-09	1.83E-14	5.52E-14	4.36E-14	6.66E-17	1.61E-15	8.88E-17	1.76331E-15	6.58E-12	1.1667E-08	2.84179E-09	1.86905E-14	2.69143E-16	9.32903E-15	4.47793E-17
160	571390.55	4178078.99	0.55, 41780	0.61879	0.51229	0.54521	162.6235	50.78632	251.98298	20.32794	11.67282	31.49787	6E-11	9.52E-09	2.46E-09	1.85E-14	5.59E-14	4.41E-14	6.74E-17	1.63E-15	8.99E-17	1.78533E-15	6.662E-12	9.5182E-09	2.46225E-09	1.89239E-14	2.72504E-16	9.44552E-15	4.53385E-17
161	571430.55	4178078.99	0.55, 41780	0.60477	0.49855	0.60294	157.24404	39.05995	207.2573	19.65551	9.99401	25.90716	5.93E-11	7.82E-09	2.32E-09	1.83E-14	5.53E-14	4.36E-14	6.67E-17	1.61E-15	8.89E-17	1.76584E-15	6.589E-12	7.8227E-09	2.32252E-09	1.87173E-14	2.69529E-16	9.34239E-15	4.48435E-17
162	571470.55	4178078.99	0.55, 41780	0.57311	0.47467	0.61341	152.07991	30.59352	215.52596	19.00999	9.68796	26.94074	5.69E-11	7.11E-09	2.27E-09	1.76E-14	5.31E-14	4.19E-14	6.4E-17	1.55E-15	8.53E-17	1.69545E-15	6.327E-12	7.105E-09	2.27039E-09	1.79712E-14	2.58785E-16	8.96998E-15	4.30559E-17
163	571510.55	4178078.99	0.55, 41780	0.53465	0.44658	0.58613	137.55383	33.88214	191.36045	17.19423	8.95455	23.92006	5.36E-11	6.95E-09	2.05E-09	1.66E-14	5E-14	3.95E-14	6.03E-17	1.46E-15	8.04E-17	1.59717E-15	5.96E-12	6.9458E-09	2.0478E-09	1.69294E-14	2.43784E-16	8.45002E-15	4.05601E-17
164	571550.55	4178078.99	0.55, 41780	0.48548	0.41212	0.53241	120.13532	36.07438	157.49519	15.01691	7.90342	19.6869	4.93E-11	6.53E-09	1.77E-09	1.52E-14	4.59E-14	3.63E-14	5.54E-17	1.34E-15	7.39E-17	1.46827E-15	5.479E-12	6.5329E-09	1.77305E-09	1.55631E-14	2.24109E-16	7.76806E-15	3.72867E-17
165	571590.55	4178078.99	0.55, 41780	0.43445	0.37558	0.47142	108.95419	37.19094	141.55637	13.61927	6.74143	17.69455	4.47E-11	6.32E-09	1.61E-09	1.38E-14	4.16E-14	3.29E-14	5.02E-17	1.21E-15	6.7E-17	1.33039E-15	4.964E-12	6.3157E-09	1.60598E-09	1.41017E-14	2.03064E-16	7.0386E-15	3.37853E-17
166	570310.55	4178118.99	0.55, 41781	0.10149	0.07442	0.09774	69.0748	28.05035	78.28908	8.63435	4.67506	9.78613	9.07E-12	4.26E-09	1E-09	2.8E-15	8.45E-15	6.67E-15	1.02E-17	2.46E-16	1.36E-17	2.69967E-16	1.007E-12	4.2644E-09	9.99816E-10	2.86155E-15	4.12063E-17	1.42829E-15	6.8558E-18
167	570350.55	4178118.99	0.55, 41781	0.11138	0.08273	0.10725	79.07973	29.62524	82.98136	9.88497	4.93754	10.37267	1E-11	4.57E-09	1.13E-09	3.1E-15	9.36E-15	7.39E-15	1.13E-17	2.73E-16	1.51E-17	2.99136E-16	1.116E-12	4.5704E-09	1.13399E-09	3.17074E-15	4.56586E-17	1.58262E-15	7.59655E-18
168	570390.55	4178118.99	0.55, 41781	0.12249	0.09237	0.11775	81.81771	30.97041	92.38822	10.22721	5.16174	11.54853	1.12E-11	4.84E-09	1.18E-09	3.45E-15	1.04E-14	8.22E-15	1.26E-17	3.03E-16	1.67E-17	3.3266E-16	1.241E-12	4.8414E-09	1.18371E-09	3.52608E-15	5.07756E-17	1.75998E-15	8.4479E-18
169	570430.55	4178118.99	0.55, 41781	0.13492	0.10362	0.12964	81.48606	32.23138	89.13007	10.18576	5.3719	11.14126	1.25E-11	4.91E-09	1.17E-09	3.85E-15	1.16E-14	9.18E-15	1.4E-17	3.39E-16	1.87E-17	3.71481E-16	1.386E-12	4.911E-09	1.17429E-09	3.93757E-15	5.6701E-17	1.96537E-15	9.43376E-18
170	570470.55	4178118.99	0.55, 41781	0.14882	0.11683	0.14311	90.82614	33.6686	97.62505	11.35327	5.5932	12.20313	1.4E-11	5.25E-09	1.31E-09	4.32E-15	1.3E-14	1.03E-14	1.57E-17	3.8E-16	2.1E-17	4.16666E-16	1.555E-12	5.2464E-09	1.30614E-09	4.41651E-15	6.35977E-17	2.20442E-15	1.05812E-17
171	570510.55	4178118.99	0.55, 41781	0.16361	0.13228	0.15796	92.34034	35.20886	102.68913	11.54254	5.82093	12.83614	1.57E-11	5.47E-09	1.33E-09	4.86E-15	1.47E-14	1.16E-14	1.77E-17	4.27E-16	2.36E-17	4.6872E-16	1.749E-12	5.467E-09	1.33342E-09	4.96826E-15	7.1543E-17	2.47982E-15	1.19031E-17
172	570550.55	4178118.99	0.55, 41781	0.17911	0.1505	0.17388	100.11195	36.92243	110.21215	12.51399	6.33987	13.77652	1.78E-11	5.8E-09	1.44E-09	5.48E-15	1.66E-14	1.31E-14	2E-17	4.82E-16	2.66E-17	5.28906E-16	1.974E-12	5.7991E-09	1.44385E-09	5.60622E-15	8.07295E-17	2.79824E-15	1.34316E-17
173	570590.55	4178118.99	0.55, 41781	0.19374	0.17125	0.18923	103.74737	38.76233	121.67682	12.96842	6.89651	15.2096	2E-11	6.15E-09	1.51E-09	6.17E-15	1.86E-14	1.47E-14	2.25E-17	5.43E-16	3E-17	5.95467E-16	2.222E-12	6.1507E-09	1.50823E-09	6.31174E-15	9.0889E-17	3.15039E-15	1.51219E-17
174	570630.55	4178118.99	0.55, 41781	0.2069	0.19483	0.20326	104.63966	41.01094	121.05227	13.84797	7.49161	15.13153	2.25E-11	6.36E-09	1.6E-09	6.93E-15	2.09E-14	1.65E-14	2.52E-17	6.1E-16	3.37E-17	6.68745E-16	2.495E-12	6.3565E-09	1.5963E-09	7.08846E-15	1.02074E-16	3.53808E-15	1.69828E-17
175	570670.55	4178118.99	0.55, 41781	0.21998	0.22122	0.21442	115.58367	43.51142	138.36153	15.0671	8.60459	17.29519	2.51E-11	6.92E-09	1.75E-09	7.76E-15	2.34E-14	1.85E-14	2.83E-17	6.83E-16	3.77E-17	7.48521E-16	2.793E-12	6.9181E-09	1.74749E-09	7.93405E-15	1.1425E-16	3.96014E-15	1.90087E-17
176	570710.55	4178118.99	0.55, 41781	0.23703	0.25104	0.22497	127.12041	45.98226	134.54184	16.41254	9.96819	16.81773	2.82E-11	7.21E-09	1.88E-09	8.69E-15	2.62E-14	2.07E-14	3.17E-17	7.65E-16	4.22E-17	8.38571E-16	3.129E-12	7.2123E-09	1.87763E-09	8.88855E-15	1.27995E-16	4.43656E-15	2.12955E-17
177	570750.55	4178118.99	0.55, 41781	0.26187	0.28441	0.24496	163.41699	49.64069	173.69321	20.42712	11.18287	24.67477	3.17E-11	8.42E-09	2.38E-09	9.79E-15	2.95E-14	2.33E-14	3.56E-17	8.61E-16	4.75E-17	9.44222E-16	3.523E-12	8.419E-09	2.38487E-09	1.00084E-14	1.44121E-16	4.99552E-15	2.39785E-17
178	570790.55	4178118.99	0.55, 41781	0.29707	0.32177	0.27572	189.30326	59.79186	203.13563	23.66291	12.3939	25.39195	3.59E-11	9.99E-09	2.72E-09	1.11E-14	3.34E-14	2.64E-14	4.03E-17	9.74E-16	5.38E-17	1.06796E-15	3.985E-12	9.9855E-09	2.72176E-09	1.132E-14	1.63008E-16	5.65016E-15	2.71208E-17
179	570830.55	4178118.99	0.55, 41781	0.34574	0.3643	0.31009	193.11502	64.55328	210.79637	24.13938	13.76558	26.34955	4.07E-11	1.06E-08	2.78E-09	1.26E-14	3.79E-14	2.99E-14	4.57E-17	1.1E-15	6.1E-17	1.2112E-15	4.52E-12	1.0556E-08	2.78228E-09	1.28382E-14	1.84871E-16	6.40797E-15	3.07583E-17
180	570870.55	4178118.99	0.55, 41781	0.41228	0.41342	0.35667	202.8381	69.60981	241.64288	25.35476	15.49628	31.6123	4.64E-11	1.15E-08	2.97E-09	1.43E-14	4.33E-14	3.42E-14	5.22E-17	1.26E-15	6.96E-17	1.38241E-15	5.159E-12	1.1511E-08	2.9728E-09	1.4653E-14	2.11003E-16	7.31378E-15	3.51062E-17
181	570910.55	4178118.99	0.55, 41781	0.49003	0.46844	0.41739	224.50761	75.3478	268.49725	28.06345	17.99511	33.56216	5.3E-11	1.26E-08	3.27E-09	1.64E-14	4.94E-14	3.9E-14	5.96E-17	1.44E-15	7.95E-17	1.57842E-15	5.89E-12	1.26E-08	3.2721E-09	1.67307E-14	2.40922E-16	8.35083E-15	4.0084E-17
182	570950.55	4178118.99	0.55, 41781	0.55455	0.52056	0.48015	237.44511	82.6149	307.44591	31.19836	20.61697	38.43074	5.92E-11	1.39E-08	3.65E-09	1.83E-14	5.52E-14	4.36E-14	6.66E-17	1.61E-15	8.88E-17	1.76332E-15	6.58E-12	1.3893E-08	3.65196E-09	1.86906E-14	2.69144E-16	9.32906E-15	4.47795E-17
183	570990.55	4178118.99	0.55, 41781	0.59019	0.56679	0.49805	260.70129	98.30209	347.94815	39.14578	18.7176	43.49352	6.4E-11	1.61E-08	4.52E-09	1.98E-14	5.97E-14	4.71E-14	7.2E-17	1.74E-15	9.6E-17	1.90633E-15	7.114E-12	1.6078E-08	4.52169E-09	2.02064E-14	2.90972E-16	1.00856E-14	4.84111E-17
184	571030.55	4178118.99	0.55, 41781	0.58003	0.59593	0.46436	288.08817	110.38847	394.82286	43.41155	19.84321	60.28631	6.61E-11	1.81E-08	5.17E-09	2.04E-14	6.16E-14	4.87E-14	7.43E-17	1.8E-15	9.91E-17	1.96935E-15	7.349E-12	1.806E-08	5.16886E-09	2.08744E-14	3.00591E-16	1.04191E-14	5.00116E-17
185	571070.55	4178118.99	0.55, 41781	0.56003	0.61401	0.43624	281.59163	124.26135	479.69295	39.26934	23.95732	65.06151	6.72E-11	2.03E-08	4.81E-09	2.07E-14	6.26E-14	4.95E-14	7.56E-17	1.83E-15	1.01E-16	2.00152E-15	7.469E-12	2.0343E-08	4.81055E-09	2.12154E-14	3.05502E-16	1.05893E-14	5.08286E-17
186	571110.55	4178118.99	0.55, 41781	0.57497	0.62965	0.42923	279.21233	138.16088	507.21032	41.39356	27.39628	63.69191	6.87E-11	2.19E-08	5.01E-09	2.12E-14	6.4E-14	5.06E-14	7.72E-17	1.87E-15	1.03E-16	2.0458E-15	7.634E-12	2.1937E-08	5.00813E-09	2.16847E-14	3.1226E-16	1.08235E-14	5.19529E-17
187	571150.55	4178118.99	0.55, 41781	0.64473	0.65929	0.45591	273.06399	137.55558	506.75735	37.77228	27.34359	77.75635	7.25E-11	2.18E-08	4.82E-09	2.24E-14	6.75E-14	5.33E-14	8.15E-17	1.97E-15	1.09E-16	2.1576E-15	8.051E-12	2.1813E-08	4.82159E-09	2.28698E-14	3.29325E-16	1.1415E-14	5.47922E-17
188	571190.55	4178118.99	0.55, 41781	0.76806	0.70549	0.46182	260.36357	120.74038	479.78233	32.90288	24.49294	68.54033	7.8E-11	1.98E-08	4.21E-09	2.41E-14	7.27E-14	5.74E-14	8.77E-17	2.12E-15	1.17E-16	2.32271E-15	8.667E-12	1.9806E-08	4.21037E-09	2.46199E-14	3.54527E-16	1.22886E-14	5.89852E-17
189	571230.55	4178118.99	0.55, 41781	0.88147	0.74364	0.51839	250.38438	100.21062	435.42985	31.29805	22.32262	54.42873	8.34E-11	1.73E-08	3.87E-09	2.57E-14	7.77E-14	6.14E-14	9.37E-17	2.26E-15	1.25E-16	2.48231E-15	9.263E-12	1.7267E-08	3.86703E-09	2.63116E-14	3.78886E-16	1.31329E-14	6.30381E-17
190	571270.55	4178118.99	0.55, 41781	0.94057	0.75526	0.59724	235.31349	80.57107	462.41399	29.41419	18.81416	57.80175	8.6E-11	1.57E-08	3.72E-09	2.66E-14	8.02E-14	6.33E-14	9.67E-17	2.34E-15	1.29E-16	2.56192E-15	9.56E-12	1.5671E-08	3.71947E-09	2.71554E-14	3.91038E-16	1.35541E-14	6.50599E-17
191	571310.55	4178118.99	0.55, 41781	0.94266	0.74202	0.72716	211.76846	71.48368	401.12341	26.47106	15.9259	50.14043	8.65E-11	1.38E-08	3.32E-09	2.67E-14	8.06E-14	6.37E-14	9.73E-17	2.35E-15	1.3E-16	2.57624E-15	9.613E-12	1.3817E-08	3.32324E-09	2.73072E-14	3.93224E-16	1.36299E-14	6.54235E-17
192	571350.55	4178118.99	0.55, 41781	0.90909	0.71255	0.85266	184.59351	57.17412	286.57244	23.07419	14.42847	35.82155	8.51E-11	1.08E-08	2.8E-09	2.63E-14	7.93E-14	6.26E-14	9.57E-17	2.31E-15	1.28E-16	2.534E-15	9.456E-12	1.0768E-08	2.79577E-09	2.68595E-14	3.86777E-16	1.34064E-14	6.43509E-17
193	571390.55	4178118.99	0.55, 41781	0.85308	0.67145	0.90336	182.88204	42.90716	275.98695	22.86025	12.27464	34.49837	8.14E-11	9.32E-09	2.76E-09	2.51E-14	7.59E-14	5.99E-14	9.15E-17	2.21E-15	1.22E-16	2.42485E-15	9.048E-12	9.3162E-09	2.75715E-09	2.57026E-14	3.70117E-16	1.2829E-14	6.15791E-17
194	571430.55	4178118.99	0.55, 41781	0.78	0.62166	0.86624	169.0522	41.64549	252.50347	21.13153	11.39175	31.56293	7.57E-11	8.76E-09	2.54E-09	2.34E-14	7.05E-14	5.57E-14	8.51E-17	2.05E-15	1.13E-16	2.25344E-15	8.409E-12	8.7588E-09	2.54447E-09	2.38857E-14	3.43954E-16	1.19221E-14	5.72261E-17
195	571470.55	4178118.99	0.55, 41781	0.69763	0.567	0.77646	144.82238	43.55007	199.26025	18.1028	10.0864	24.90753	6.87E-11	8E-09	2.15E-09	2.12E-14	6.4E-14	5.06E-14	7.72E-17	1.87E-15	1.03E-16	2.0459E-15	7.634E-12	8.0016E-09	2.15246E-09	2.16858E-14	3.12276E-16	1.08241E-14	5.19557E-17
196	571510.55	4178118.99	0.55, 41781	0.61632	0.51188	0.67545	129.07456	44.20691	173.84445	16.93315	8.5721	21.73056	6.16E-11	7.57E-09	1.99E-09	1.9E-14	5.74E-14	4.53E-14	6.92E-17	1.67E-15	9.23E-17	1.83316E-15	6.841E-12	7.5743E-09	1.9933E-09	1.94308E-14	2.79804E-16	9.69854E-15	4.6553E-17
197	571550.55	4178118.99	0.55, 41781	0.53701	0.45659	0.57828	116.13448	43.6354	149.52645	16.99831	7.6971	20.20244	5.45E-11	7.08E-09	1.98E-09	1.68E-14	5.08E-14	4.01E-14	6.12E-17	1.48E-15	8.16E-17	1.62203E-15	6.053E-12	7.0781E-09	1.98032E-09	1.71929E-14	2.47578E-16	8.58152E-15	4.11913E-17
198	571590.55	4178118.99	0.55, 41781	0.46599	0.40463	0.49394	103.06511	42.01095	133.93422	16.60125	6.75955	20.50745	4.79E-11	6.6E-09	1.94E-09	1.48E-14	4.47E-14	3.53E-14	5.39E-17	1.3E-15	7.18E-17	1.42735E-15	5.326E-12	6.5965E-09	1.94402E-09	1.51293E-14	2.17863E-16	7.55154E-15	3.62474E-17
199	570310.55	4178158.99	0.55, 41781	0.10452	0.07557	0.10002	83.14681	27.07322	89.45551	10.39335	4.47805	11.18194	9.23E-12	4.46E-09	1.2E-09	2.85E-15	8.6E-15	6.79E-15	1.04E-17	2.51E-16	1.38E-17	2.74878E-16	1.026E-12	4.4627E-09	1.19584E-09	2.91361E-15	4.1956E-17	1.45428E-15	6.98052E-18
200	570350.55	4178158.99	0.55, 41781	0.1156	0.08446	0.11071	83.51332	29.37807	93.62995	10.43917	4.89635	11.70374	1.03E-11	4.73E-09	1.21E-09	3.18E-15	9.59E-15	7.57E-15	1.16E-17	2.79E-16	1.54E-17	3.06433E-16	1.143E-12	4.7298E-09	1.20717E-09	3.24808E-15	4.67723E-17	1.62122E-15	7.78186E-18
201	570390.55	4178158.99	0.55, 41781	0.12828	0.09489	0.12282	85.72091	31.44775	90.10823	10.71511	5.24129	11.26353	1.15E-11	4.9E-09	1.23E-09	3.56E-15	1.07E-14	8.48E-15	1.3E-17	3.13E-16	1.73E-17	3.43192E-16	1.281E-12	4.8957E-09	1.22947E-09	3.63771E-15	5.2383E-17	1.8157E-15	8.71535E-18
202	570430.55	4178158.99	0.55, 41781	0.14269	0.1072	0.13639	94.53138	33.159	104.73347	11.81642	5.5265	13.09168	1.3E-11	5.33E-09	1.36E-09	4E-15	1.21E-14	9.54E-15	1.46E-17	3.52E-16	1.94E-17	3.86131E-16	1.441E-12	5.3291E-09	1.36443E-09	4.09285E-15	5.8937E-17	2.04287E-15	9.80579E-18
203	570470.55	4178158.99	0.55, 41781	0.15906	0.12183	0.15182	91.68652	34.69147	109.10852	11.46082	5.78191	13.63857	1.47E-11	5.5E-09	1.34E-09	4.53E-15	1.37E-14	1.08E-14	1.65E-17	3.98E-16	2.2E-17	4.36666E-16	1.629E-12	5.4955E-09	1.33542E-09	4.6285E-15	6.66504E-17	2.31023E-15	1.10891E-17
204	570510.55	4178158.99	0.55, 41781	0.17738	0.13933	0.16931	103.8828	36.49731	110.76271	12.98535	6.04456	13.84534	1.67E-11	5.81E-09	1.49E-09	5.14E-15	1.55E-14	1.23E-14	1.87E-17	4.53E-16	2.5E-17	4.96361E-16	1.852E-12	5.8061E-09	1.49247E-09	5.26124E-15	7.57619E-17	2.62606E-15	1.26051E-17
205	570550.55	4178158.99	0.55, 41781	0.19733	0.16029	0.18927	106.21161	38.46337	121.82569	13.27645	6.62676	15.22821	1.9E-11	6.15E-09	1.54E-09	5.87E-15	1.77E-14	1.4E-14	2.14E-17	5.17E-16	2.85E-17	5.66873E-16	2.115E-12	6.1507E-09	1.53966E-09	6.00865E-15	8.65245E-17	2.99911E-15	1.43957E-17
206	570590.55	4178158.99	0.55, 41781	0.21794	0.18524	0.21062	115.65264	40.48441	129.80552	14.45658	7.37316	16.22569	2.18E-11	6.53E-09	1.67E-09	6.73E-15	2.03E-14	1.6E-14	2.45E-17	5.92E-16	3.27E-17	6.48931E-16	2.422E-12	6.5336E-09	1.67196E-09	6.87843E-15	9.90495E-17	3.43325E-15	1.64796E-17
207	570630.55	4178158.99	0.55, 41781	0.23707	0.21436	0.23118	118.44365	42.79741	144.28442	14.80546	8.08317	18.03555	2.49E-11	6.96E-09	1.73E-09	7.68E-15	2.32E-14	1.83E-14	2.8E-17	6.76E-16	3.73E-17	7.41538E-16	2.767E-12	6.9583E-09	1.73048E-09	7.86004E-15	1.13185E-16	3.92319E-15	1.88313E-17
208	570670.55	4178158.99	0.55, 41781	0.25383	0.24795	0.24882	124.95922	45.84094	144.90734	15.6199	8.90031	18.11342	2.84E-11	7.31E-09	1.81E-09	8.75E-15	2.64E-14	2.09E-14	3.19E-17	7.7E-16	4.25E-17	8.44423E-16	3.151E-12	7.3101E-09	1.81396E-09	8.95058E-15	1.28888E-16	4.46752E-15	2.14441E-17
209	570710.55	4178158.99	0.55, 41781	0.27135	0.28697	0.26135	131.25248	49.29697	162.49426	17.47805	10.6966	20.31178	3.23E-11	7.91E-09	2.03E-09	9.95E-15	3E-14	2.37E-14	3.63E-17	8.76E-16	4.83E-17	9.60307E-16	3.583E-12	7.9145E-09	2.03031E-09	1.01789E-14	1.46576E-16	5.08062E-15	2.4387E-17
210	570750.55	4178158.99	0.55, 41781	0.29528	0.33222	0.27619	146.48828	52.90094	155.94977	21.86848	12.23914	22.93785	3.68E-11	8.31E-09	2.51E-09	1.14E-14	3.43E-14	2.71E-14	4.14E-17	9.99E-16	5.52E-17	1.09591E-15	4.089E-12	8.3149E-09	2.50859E-09	1.16163E-14	1.67275E-16	5.79806E-15	2.78307E-17
211	570790.55	4178158.99	0.55, 41781	0.33253	0.38536	0.30655	168.4296	63.37031	207.44804	22.18934	13.75991	31.3643	4.24E-11	1.02E-08	2.65E-09	1.31E-14	3.95E-14	3.12E-14	4.77E-17	1.15E-15	6.36E-17	1.26289E-15	4.713E-12	1.0153E-08	2.64905E-09	1.33862E-14	1.92761E-16	6.68148E-15	3.20711E-17
212	570830.55	4178158.99	0.55, 41781	0.39122	0.44987	0.34708	226.40986	70.88867	244.94075	28.30123	15.58224	30.61759	4.94E-11	1.19E-08	3.26E-09	1.52E-14	4.6E-14	3.64E-14	5.55E-17	1.34E-15	7.41E-17	1.47111E-15	5.49E-12	1.1912E-08	3.25845E-09	1.55932E-14	2.24543E-16	7.78309E-15	3.73588E-17
213	570870.55	4178158.99	0.55, 41781	0.48272	0.53035	0.408	262.06298	76.1106	293.39264	32.75787	17.58972	36.67408	5.84E-11	1.34E-08	3.79E-09	1.8E-14	5.45E-14	4.3E-14	6.57E-17	1.59E-15	8.76E-17	1.74041E-15	6.494E-12	1.3373E-08	3.78739E-09	1.84477E-14	2.65646E-16	9.20782E-15	4.41975E-17
214	570910.55	4178158.99	0.55, 41781	0.61652	0.63133	0.50366	261.24493	84.17228	335.42472	32.65562	20.33398	41.92809	7.02E-11	1.46E-08	3.84E-09	2.17E-14	6.54E-14	5.17E-14	7.9E-17	1.91E-15	1.05E-16	2.09143E-15	7.804E-12	1.4637E-08	3.84435E-09	2.21684E-14	3.19224E-16	1.10649E-14	5.31117E-17
215	570950.55	4178158.99	0.55, 41781	0.78722	0.75662	0.63069	286.12528	93.97029	373.71712	38.09436	25.30252	46.71464	8.5E-11	1.63E-08	4.46E-09	2.62E-14	7.92E-14	6.26E-14	9.56E-17	2.31E-15	1.27E-16	2.53156E-15	9.447E-12	1.6275E-08	4.45648E-09	2.68337E-14	3.86405E-16	1.33935E-14	6.4289E-17
216	570990.55	4178158.99	0.55, 41781	0.95557	0.89576	0.74297	303.7283	113.02353	445.40224	49.39935	30.83627	55.67528	1.01E-10	1.91E-08	5.72E-09	3.11E-14	9.4E-14	7.42E-14	1.13E-16	2.74E-15	1.51E-16	3.0029E-15	1.121E-11	1.9108E-08	5.71618E-09	3.18296E-14	4.58347E-16	1.58872E-14	7.62585E-17
217	571030.55	4178158.99	0.55, 41781	1.0701	1.00768	0.7637	365.27865	135.92516	512.48146	63.89384	29.33742	70.31034	1.12E-10	2.27E-08	7.37E-09	3.47E-14	1.05E-13	8.28E-14	1.26E-16	3.05E-15	1.69E-16	3.3491E-15	1.25E-11	2.2683E-08	7.3716E-09	3.54993E-14	5.11189E-16	1.77188E-14	8.50503E-17
218	571070.55	4178158.99	0.55, 41781	1.06935	1.07923	0.71312	382.13438	155.20031	662.82772	54.74849	37.25068	94.68967	1.18E-10	2.65E-08	6.76E-09	3.65E-14	1.1E-13	8.71E-14	1.33E-16	3.21E-15	1.77E-16	3.5235E-15	1.315E-11	2.6536E-08	6.75779E-09	3.73478E-14	5.37808E-16	1.86415E-14	8.94791E-17
219	571110.55	4178158.99	0.55, 41781	1.19831	1.16386	0.6846	373.85472	174.62021	736.75515	53.40782	39.37776	93.09067	1.27E-10	2.92E-08	6.6E-09	3.92E-14	1.18E-13	9.35E-14	1.43E-16	3.45E-15	1.9E-16	3.78135E-15	1.411E-11	2.9166E-08	6.60153E-09	4.0081E-14	5.77166E-16	2.00057E-14	9.60273E-17
220	571150.55	4178158.99	0.55, 41781	1.53671	1.26322	0.72724	331.2731	149.81574	693.97089	50.26616	34.67292	96.78528	1.4E-10	2.59E-08	6.33E-09	4.32E-14	1.3E-13	1.03E-13	1.57E-16	3.8E-15	2.1E-16	4.1702E-15	1.556E-11	2.5924E-08	6.3307E-09	4.42026E-14	6.36518E-16	2.20629E-14	1.05902E-16
221	571190.55	4178158.99	0.55, 41781	1.71324	1.27647	0.80447	303.51531	125.05743	565.89383	43.45807	29.97586	80.84198	1.44E-10	2.17E-08	5.44E-09	4.45E-14	1.34E-13	1.06E-13	1.62E-16	3.91E-15	2.16E-16	4.28945E-15	1.601E-11	2.1745E-08	5.43694E-09	4.54667E-14	6.5472E-16	2.26939E-14	1.08931E-16
222	571230.55	4178158.99	0.55, 41781	1.67997	1.21931	0.99011	277.00255	96.22407	622.39581	36.53844	24.95569	77.79948	1.41E-10	1.96E-08	4.7E-09	4.35E-14	1.31E-13	1.04E-13	1.58E-16	3.83E-15	2.11E-16	4.1952E-15	1.565E-11	1.9572E-08	4.69719E-09	4.44676E-14	6.40334E-16	2.21952E-14	1.06537E-16
223	571270.55	4178158.99	0.55, 41781	1.56347	1.13234	1.265	251.98402	83.18585	536.39129	31.498	20.71301	67.04891	1.35E-10	1.7E-08	4.05E-09	4.18E-14	1.26E-13	9.96E-14	1.52E-16	3.67E-15	2.03E-16	4.0288E-15	1.503E-11	1.7027E-08	4.04898E-09	4.27038E-14	6.14935E-16	2.13149E-14	1.02311E-16
224	571310.55	4178158.99	0.55, 41781	1.42012	1.03692	1.45126	223.09845	65.85457	360.16353	27.88731	18.21453	45.02044	1.28E-10	1.29E-08	3.4E-09	3.94E-14	1.19E-13	9.39E-14	1.43E-16	3.46E-15	1.91E-16	3.79749E-15	1.417E-11	1.2896E-08	3.40107E-09	4.0252E-14	5.79629E-16	2.00911E-14	9.64372E-17
225	571350.55	4178158.99	0.55, 41781	1.26306	0.93714	1.42084	212.7442	53.05659	355.96566	26.59303	15.01468	44.49571	1.16E-10	1.16E-08	3.26E-09	3.59E-14	1.09E-13	8.57E-14	1.31E-16	3.16E-15	1.75E-16	3.46751E-15	1.294E-11	1.1571E-08	3.26327E-09	3.67544E-14	5.29263E-16	1.83453E-14	8.80574E-17
226	571390.55	4178158.99	0.55, 41781	1.10199	0.83709	1.24864	185.92823	54.01949	274.01244	23.24103	13.29114	34.25155	1.03E-10	1.03E-08	2.79E-09	3.19E-14	9.64E-14	7.62E-14	1.16E-16	2.81E-15	1.55E-16	3.08149E-15	1.15E-11	1.0334E-08	2.79255E-09	3.26627E-14	4.70343E-16	1.6303E-14	7.82544E-17
227	571430.55	4178158.99	0.55, 41781	0.9418	0.73869	1.04204	159.26436	53.60229	222.79179	21.61583	11.2268	27.84897	9.02E-11	9.37E-09	2.55E-09	2.78E-14	8.41E-14	6.64E-14	1.01E-16	2.45E-15	1.35E-16	2.68708E-15	1.003E-11	9.3661E-09	2.54593E-09	2.84821E-14	4.10142E-16	1.42163E-14	6.82384E-17
228	571470.55	4178158.99	0.55, 41781	0.79447	0.64516	0.85663	139.92539	51.85557	187.30754	21.06215	9.90602	27.91527	7.78E-11	8.55E-09	2.49E-09	2.4E-14	7.25E-14	5.73E-14	8.75E-17	2.11E-15	1.17E-16	2.31788E-15	8.649E-12	8.5542E-09	2.4907E-09	2.45687E-14	3.5379E-16	1.2263E-14	5.88626E-17
229	571510.55	4178158.99	0.55, 41781	0.67282	0.56206	0.7111	120.25585	49.92459	159.61818	19.96311	8.50885	26.60303	6.72E-11	7.82E-09	2.36E-09	2.07E-14	6.26E-14	4.94E-14	7.55E-17	1.82E-15	1.01E-16	2.00001E-15	7.463E-12	7.8221E-09	2.36259E-09	2.11993E-14	3.05271E-16	1.05813E-14	5.07901E-17
230	571550.55	4178158.99	0.55, 41781	0.57423	0.48972	0.59807	110.64777	47.57404	144.95635	18.4413	7.31081	24.15939	5.81E-11	7.32E-09	2.18E-09	1.79E-14	5.42E-14	4.28E-14	6.53E-17	1.58E-15	8.71E-17	1.73073E-15	6.458E-12	7.3218E-09	2.17716E-09	1.83451E-14	2.64169E-16	9.15663E-15	4.39518E-17
231	571590.55	4178158.99	0.55, 41781	0.49292	0.42713	0.50772	100.4908	44.5532	128.72625	16.74847	6.44552	21.45437	5.04E-11	6.73E-09	1.97E-09	1.56E-14	4.7E-14	3.71E-14	5.67E-17	1.37E-15	7.56E-17	1.5018E-15	5.604E-12	6.7347E-09	1.97106E-09	1.59186E-14	2.29228E-16	7.94547E-15	3.81383E-17
232	570310.55	4178198.99	0.55, 41781	0.10691	0.07648	0.10208	81.28791	24.55019	79.664	10.16099	3.94128	9.958	9.37E-12	4.09E-09	1.16E-09	2.89E-15	8.73E-15	6.89E-15	1.05E-17	2.54E-16	1.4E-17	2.7886E-16	1.041E-12	4.0886E-09	1.15663E-09	2.95581E-15	4.25637E-17	1.47534E-15	7.08164E-18
233	570350.55	4178198.99	0.55, 41781	0.11881	0.08587	0.11329	92.41038	27.80697	96.15133	11.5513	4.55912	12.01892	1.05E-11	4.71E-09	1.32E-09	3.24E-15	9.77E-15	7.72E-15	1.18E-17	2.85E-16	1.57E-17	3.12219E-16	1.165E-12	4.7103E-09	1.32383E-09	3.3094E-15	4.76554E-17	1.65183E-15	7.92878E-18
234	570390.55	4178198.99	0.55, 41781	0.13286	0.09703	0.12666	98.9418	30.67703	108.4605	12.36772	5.11284	13.55756	1.18E-11	5.2E-09	1.43E-09	3.65E-15	1.1E-14	8.7E-15	1.33E-17	3.21E-16	1.77E-17	3.51855E-16	1.313E-12	5.1962E-09	1.42623E-09	3.72953E-15	5.37053E-17	1.86153E-15	8.93534E-18
235	570430.55	4178198.99	0.55, 41781	0.14935	0.11037	0.14231	98.24021	33.47488	112.67373	12.28003	5.57915	14.08422	1.34E-11	5.5E-09	1.42E-09	4.14E-15	1.25E-14	9.86E-15	1.51E-17	3.64E-16	2.01E-17	3.99014E-16	1.489E-12	5.4976E-09	1.4241E-09	4.2294E-15	6.09034E-17	2.11103E-15	1.01329E-17
236	570470.55	4178198.99	0.55, 41781	0.1686	0.12646	0.16043	107.25905	35.76824	115.05444	13.40738	5.96137	14.38181	1.53E-11	5.83E-09	1.54E-09	4.72E-15	1.43E-14	1.13E-14	1.72E-17	4.15E-16	2.29E-17	4.55411E-16	1.699E-12	5.8293E-09	1.54208E-09	4.8272E-15	6.95116E-17	2.40941E-15	1.15652E-17
237	570510.55	4178198.99	0.55, 41781	0.19081	0.14598	0.18108	111.923	37.71142	131.96286	13.99038	6.28524	16.49536	1.76E-11	6.27E-09	1.63E-09	5.42E-15	1.64E-14	1.29E-14	1.97E-17	4.77E-16	2.63E-17	5.22974E-16	1.952E-12	6.2706E-09	1.6282E-09	5.54333E-15	7.9824E-17	2.76685E-15	1.32809E-17
238	570550.55	4178198.99	0.55, 41781	0.21602	0.16987	0.20494	119.57772	40.00549	129.21029	14.94721	6.67621	16.15129	2.03E-11	6.52E-09	1.72E-09	6.26E-15	1.89E-14	1.49E-14	2.28E-17	5.51E-16	3.04E-17	6.0452E-16	2.256E-12	6.5226E-09	1.72069E-09	6.4077E-15	9.22709E-17	3.19829E-15	1.53518E-17
239	570590.55	4178198.99	0.55, 41781	0.24388	0.19917	0.2325	124.08345	42.52786	147.10165	15.51043	7.78928	18.38771	2.36E-11	7.03E-09	1.81E-09	7.28E-15	2.2E-14	1.74E-14	2.65E-17	6.41E-16	3.54E-17	7.0295E-16	2.623E-12	7.0277E-09	1.80639E-09	7.45102E-15	1.07295E-16	3.71904E-15	1.78514E-17
240	570630.55	4178198.99	0.55, 41781	0.27242	0.23473	0.26214	135.79301	45.13025	156.31523	16.97413	8.73982	19.5394	2.75E-11	7.5E-09	1.97E-09	8.49E-15	2.56E-14	2.03E-14	3.09E-17	7.47E-16	4.12E-17	8.19348E-16	3.057E-12	7.5026E-09	1.96938E-09	8.68479E-15	1.25061E-16	4.33486E-15	2.08073E-17
241	570670.55	4178198.99	0.55, 41781	0.29828	0.27729	0.29064	136.89517	48.04336	174.48935	17.44831	9.65486	21.81117	3.2E-11	8.01E-09	2.05E-09	9.88E-15	2.98E-14	2.36E-14	3.6E-17	8.69E-16	4.8E-17	9.53465E-16	3.558E-12	8.0119E-09	2.04651E-09	1.01064E-14	1.45532E-16	5.04442E-15	2.42132E-17
242	570710.55	4178198.99	0.55, 41781	0.321	0.32818	0.31291	151.98197	52.23375	185.24815	19.68934	11.4382	23.15602	3.72E-11	8.69E-09	2.29E-09	1.15E-14	3.46E-14	2.74E-14	4.18E-17	1.01E-15	5.57E-17	1.10682E-15	4.13E-12	8.6858E-09	2.29069E-09	1.17319E-14	1.6894E-16	5.85578E-15	2.81078E-17
243	570750.55	4178198.99	0.55, 41781	0.34558	0.38955	0.32771	144.14265	57.26085	196.68908	22.53194	13.53855	24.58613	4.32E-11	9.21E-09	2.6E-09	1.33E-14	4.02E-14	3.18E-14	4.86E-17	1.17E-15	6.48E-17	1.2863E-15	4.8E-12	9.2097E-09	2.5969E-09	1.36344E-14	1.96335E-16	6.80535E-15	3.26657E-17
244	570790.55	4178198.99	0.55, 41781	0.38143	0.46429	0.35275	173.32889	66.95506	241.81218	25.57778	15.36352	36.58263	5.07E-11	1.1E-08	3.06E-09	1.56E-14	4.72E-14	3.73E-14	5.7E-17	1.38E-15	7.6E-17	1.50937E-15	5.632E-12	1.0969E-08	3.05907E-09	1.59988E-14	2.30382E-16	7.98549E-15	3.83304E-17
245	570830.55	4178198.99	0.55, 41781	0.44289	0.55991	0.39405	200.31972	78.9407	262.23048	28.47462	17.66262	37.4615	6.06E-11	1.26E-08	3.36E-09	1.87E-14	5.64E-14	4.46E-14	6.81E-17	1.64E-15	9.08E-17	1.80304E-15	6.728E-12	1.2599E-08	3.3637E-09	1.91116E-14	2.75207E-16	9.53922E-15	4.57882E-17
246	570870.55	4178198.99	0.55, 41781	0.55133	0.6879	0.45528	245.75399	83.68372	263.19795	34.28137	20.83884	36.18743	7.41E-11	1.35E-08	3.94E-09	2.29E-14	6.9E-14	5.45E-14	8.33E-17	2.01E-15	1.11E-16	2.20639E-15	8.233E-12	1.3508E-08	3.93545E-09	2.3387E-14	3.36773E-16	1.16732E-14	5.60313E-17
247	570910.55	4178198.99	0.55, 41781	0.74216	0.86472	0.57468	353.61381	98.21675	387.24795	44.20173	24.01316	48.40599	9.37E-11	1.75E-08	5.1E-09	2.89E-14	8.73E-14	6.89E-14	1.05E-16	2.54E-15	1.4E-16	2.78943E-15	1.041E-11	1.7526E-08	5.09667E-09	2.95669E-14	4.25764E-16	1.47578E-14	7.08375E-17
248	570950.55	4178198.99	0.55, 41781	1.08517	1.1274	0.77671	376.11466	111.85514	479.74888	52.74149	29.33795	59.96861	1.24E-10	2.02E-08	6.11E-09	3.82E-14	1.15E-13	9.1E-14	1.39E-16	3.36E-15	1.85E-16	3.68314E-15	1.374E-11	2.0184E-08	6.10966E-09	3.904E-14	5.62176E-16	1.94861E-14	9.35333E-17
249	570990.55	4178198.99	0.55, 41781	1.58976	1.56693	1.05873	410.19015	135.68135	559.12982	68.60008	44.06737	76.18548	1.72E-10	2.37E-08	7.92E-09	5.32E-14	1.61E-13	1.27E-13	1.94E-16	4.68E-15	2.59E-16	5.13601E-15	1.917E-11	2.3719E-08	7.9235E-09	5.44398E-14	7.83934E-16	2.71727E-14	1.30429E-16
250	571030.55	4178198.99	0.55, 41781	2.42958	2.27373	1.377	561.74649	191.25505	728.04918	107.05418	55.40677	100.45619	2.5E-10	3.25E-08	1.21E-08	7.7E-14	2.32E-13	1.84E-13	2.8E-16	6.77E-15	3.74E-16	7.42941E-15	2.772E-11	3.2495E-08	1.21288E-08	7.8749E-14	1.13399E-15	3.93062E-14	1.8867E-16
251	571070.55	4178198.99	0.55, 41781	3.58306	3.18041	1.39903	721.18769	259.71405	966.70756	139.44796	73.67892	146.94766	3.44E-10	4.34E-08	1.6E-08	1.06E-13	3.21E-13	2.53E-13	3.87E-16	9.34E-15	5.16E-16	1.02473E-14	3.824E-11	4.3418E-08	1.60051E-08	1.08617E-13	1.56409E-15	5.42143E-14	2.60229E-16
252	571110.55	4178198.99	0.55, 41781	5.26167	3.22788	1.2956	536.30163	206.72583	1199.13306	116.57539	57.94295	153.9862	3.64E-10	3.97E-08	1.38E-08	1.12E-13	3.39E-13	2.68E-13	4.1E-16	9.89E-15	5.46E-16	1.08488E-14	4.048E-11	3.9678E-08	1.37789E-08	1.14993E-13	1.6559E-15	5.73968E-14	2.75505E-16
253	571150.55	4178198.99	0.55, 41781	4.55265	2.7214	1.43074	406.82024	165.14744	1078.46551	75.27018	43.84452	138.95995	3.13E-10	3.3E-08	9.4E-09	9.65E-14	2.91E-13	2.3E-13	3.52E-16	8.49E-15	4.69E-16	9.31122E-15	3.475E-11	3.302E-08	9.40331E-09	9.86956E-14	1.42122E-15	4.92621E-14	2.36458E-16
254	571190.55	4178198.99	0.55, 41781	3.6655	2.27193	1.9191	348.88414	129.45816	921.59929	55.11772	35.12171	118.18584	2.69E-10	2.72E-08	7.1E-09	8.3E-14	2.51E-13	1.98E-13	3.02E-16	7.3E-15	4.03E-16	8.00856E-15	2.988E-11	2.7168E-08	7.09623E-09	8.48879E-14	1.22239E-15	4.23702E-14	2.03377E-16
255	571230.55	4178198.99	0.55, 41781	2.99647	1.91661	2.63905	311.11499	100.77545	780.81724	44.29874	28.05958	97.60216	2.39E-10	2.24E-08	5.74E-09	7.37E-14	2.23E-13	1.76E-13	2.69E-16	6.49E-15	3.58E-16	7.11601E-15	2.655E-11	2.2366E-08	5.73682E-09	7.54271E-14	1.08615E-15	3.76481E-14	1.80711E-16
256	571270.55	4178198.99	0.55, 41781	2.48655	1.63354	2.7833	275.28639	78.6156	563.64868	36.03295	23.70769	70.45609	2.1E-10	1.72E-08	4.55E-09	6.48E-14	1.96E-13	1.54E-13	2.36E-16	5.7E-15	3.15E-16	6.2482E-15	2.332E-11	1.7199E-08	4.55191E-09	6.62286E-14	9.53692E-16	3.30568E-14	1.58673E-16
257	571310.55	4178198.99	0.55, 41781	2.04979	1.39182	2.36332	251.65063	69.80646	418.93362	31.45633	18.505	52.3667	1.78E-10	1.43E-08	3.86E-09	5.49E-14	1.66E-13	1.31E-13	2E-16	4.83E-15	2.67E-16	5.29953E-15	1.978E-11	1.4301E-08	3.85664E-09	5.61731E-14	8.08892E-16	2.80378E-14	1.34581E-16
258	571350.55	4178198.99	0.55, 41781	1.66907	1.18291	1.84305	207.71058	67.17721	304.96385	28.41822	15.5683	43.42728	1.48E-10	1.22E-08	3.43E-09	4.58E-14	1.38E-13	1.09E-13	1.67E-16	4.03E-15	2.22E-16	4.41863E-15	1.649E-11	1.2151E-08	3.43443E-09	4.68358E-14	6.74436E-16	2.33773E-14	1.12211E-16
259	571390.55	4178198.99	0.55, 41781	1.33874	0.99933	1.42084	175.53523	63.93291	243.3206	26.80029	13.20173	40.55343	1.23E-10	1.07E-08	3.23E-09	3.79E-14	1.14E-13	9.04E-14	1.38E-16	3.34E-15	1.84E-16	3.65917E-15	1.365E-11	1.0736E-08	3.23375E-09	3.87859E-14	5.58516E-16	1.93593E-14	9.29244E-17
260	571430.55	4178198.99	0.55, 41781	1.08215	0.84466	1.12094	146.49279	60.30749	207.71024	24.41546	11.02968	34.61837	1.02E-10	9.65E-09	2.92E-09	3.16E-14	9.54E-14	7.53E-14	1.15E-16	2.78E-15	1.53E-16	3.04723E-15	1.137E-11	9.6523E-09	2.91619E-09	3.22996E-14	4.65114E-16	1.61217E-14	7.73844E-17
261	571470.55	4178198.99	0.55, 41781	0.88511	0.71494	0.90372	129.54701	55.96987	172.11269	21.59117	9.33698	28.68545	8.57E-11	8.63E-09	2.55E-09	2.65E-14	7.99E-14	6.31E-14	9.64E-17	2.33E-15	1.28E-16	2.55264E-15	9.525E-12	8.6277E-09	2.55415E-09	2.70571E-14	3.89622E-16	1.3505E-14	6.48242E-17
262	571510.55	4178198.99	0.55, 41781	0.73336	0.60746	0.74181	112.64977	51.14316	142.69265	18.77496	8.40942	23.78211	7.23E-11	7.64E-09	2.21E-09	2.23E-14	6.74E-14	5.32E-14	8.13E-17	1.96E-15	1.08E-16	2.15325E-15	8.035E-12	7.6382E-09	2.20611E-09	2.28237E-14	3.28661E-16	1.1392E-14	5.46817E-17
263	571550.55	4178198.99	0.55, 41781	0.6189	0.52125	0.62191	97.68282	46.08498	120.36205	16.28047	7.59304	20.06034	6.18E-11	6.74E-09	1.91E-09	1.91E-14	5.75E-14	4.55E-14	6.94E-17	1.68E-15	9.26E-17	1.83891E-15	6.862E-12	6.7382E-09	1.9058E-09	1.94918E-14	2.80682E-16	9.72899E-15	4.66992E-17
264	571590.55	4178198.99	0.55, 41781	0.52714	0.45016	0.52751	84.87826	41.93857	102.67653	14.14638	6.8553	17.11275	5.31E-11	6E-09	1.65E-09	1.64E-14	4.95E-14	3.91E-14	5.97E-17	1.44E-15	7.96E-17	1.58222E-15	5.904E-12	6.003E-09	1.65191E-09	1.67709E-14	2.41501E-16	8.37091E-15	4.01804E-17
265	570310.55	4178238.99	0.55, 41782	0.10871	0.07725	0.10419	69.36135	22.19632	77.30253	9.49069	3.20395	10.55794	9.48E-12	3.72E-09	1.1E-09	2.93E-15	8.83E-15	6.98E-15	1.07E-17	2.57E-16	1.42E-17	2.82301E-16	1.053E-12	3.7218E-09	1.09643E-09	2.99229E-15	4.3089E-17	1.49355E-15	7.16903E-18
266	570350.55	4178238.99	0.55, 41782	0.12097	0.08699	0.11543	80.24676	23.95533	77.73127	10.03084	3.79637	10.6184	1.06E-11	4E-09	1.15E-09	3.28E-15	9.91E-15	7.83E-15	1.2E-17	2.89E-16	1.59E-17	3.1673E-16	1.182E-12	3.999E-09	1.15191E-09	3.35722E-15	4.8344E-17	1.6757E-15	8.04334E-18
267	570390.55	4178238.99	0.55, 41782	0.13576	0.09875	0.129	97.68381	28.15369	96.07123	12.21048	4.56788	12.0089	1.2E-11	4.79E-09	1.39E-09	3.71E-15	1.12E-14	8.86E-15	1.35E-17	3.27E-16	1.8E-17	3.58294E-16	1.337E-12	4.7948E-09	1.39046E-09	3.79779E-15	5.46882E-17	1.8956E-15	9.09887E-18
268	570430.55	4178238.99	0.55, 41782	0.15369	0.11303	0.14573	112.57412	32.01468	119.02369	14.07177	5.30028	14.87796	1.37E-11	5.59E-09	1.62E-09	4.24E-15	1.28E-14	1.01E-14	1.54E-17	3.73E-16	2.06E-17	4.08853E-16	1.526E-12	5.593E-09	1.61572E-09	4.33369E-15	6.24052E-17	2.16308E-15	1.03828E-17
269	570470.55	4178238.99	0.55, 41782	0.17542	0.1305	0.16624	120.86213	35.6675	135.90431	15.10777	5.94458	16.98804	1.58E-11	6.23E-09	1.75E-09	4.88E-15	1.47E-14	1.16E-14	1.78E-17	4.29E-16	2.37E-17	4.70659E-16	1.756E-12	6.2267E-09	1.74768E-09	4.98882E-15	7.1839E-17	2.49008E-15	1.19524E-17
270	570510.55	4178238.99	0.55, 41782	0.20166	0.15208	0.19089	118.29832	38.86505	139.27939	14.78729	6.47751	17.40992	1.84E-11	6.53E-09	1.72E-09	5.66E-15	1.71E-14	1.35E-14	2.06E-17	4.98E-16	2.75E-17	5.46561E-16	2.04E-12	6.5347E-09	1.72063E-09	5.79335E-15	8.34242E-17	2.89164E-15	1.38799E-17
271	570550.55	4178238.99	0.55, 41782	0.23297	0.17899	0.21994	134.82021	41.51275	155.81716	16.85253	6.91879	19.47714	2.15E-11	7.16E-09	1.96E-09	6.63E-15	2E-14	1.58E-14	2.42E-17	5.84E-16	3.22E-17	6.40134E-16	2.389E-12	7.157E-09	1.95627E-09	6.78519E-15	9.77068E-17	3.38671E-15	1.62562E-17
272	570590.55	4178238.99	0.55, 41782	0.26933	0.21289	0.25402	138.182	44.61865	161.93184	17.27275	7.89914	20.24148	2.54E-11	7.55E-09	2.01E-09	7.84E-15	2.37E-14	1.87E-14	2.85E-17	6.9E-16	3.81E-17	7.56114E-16	2.821E-12	7.5525E-09	2.00862E-09	8.01453E-15	1.15409E-16	4.00031E-15	1.92015E-17
273	570630.55	4178238.99	0.55, 41782	0.31001	0.25571	0.29378	151.57706	47.88426	180.12829	18.94713	9.37801	22.51604	3.02E-11	8.22E-09	2.21E-09	9.32E-15	2.82E-14	2.22E-14	3.4E-17	8.2E-16	4.53E-17	8.99754E-16	3.357E-12	8.2202E-09	2.20733E-09	9.53707E-15	1.37334E-16	4.76026E-15	2.28492E-17
274	570670.55	4178238.99	0.55, 41782	0.35129	0.30919	0.33746	163.01094	51.1286	193.67566	20.37637	10.66356	24.20946	3.61E-11	8.81E-09	2.37E-09	1.11E-14	3.36E-14	2.65E-14	4.05E-17	9.79E-16	5.41E-17	1.07397E-15	4.008E-12	8.8063E-09	2.37377E-09	1.13836E-14	1.63925E-16	5.68194E-15	2.72733E-17
275	570710.55	4178238.99	0.55, 41782	0.3879	0.37553	0.37852	161.77129	55.27243	215.9147	21.46966	11.91574	26.98934	4.3E-11	9.46E-09	2.52E-09	1.33E-14	4.01E-14	3.17E-14	4.83E-17	1.17E-15	6.45E-17	1.28061E-15	4.779E-12	9.4557E-09	2.52011E-09	1.3574E-14	1.95465E-16	6.7752E-15	3.2521E-17
276	570750.55	4178238.99	0.55, 41782	0.41955	0.45853	0.40652	185.09687	61.2613	243.75059	24.33831	15.0229	31.56234	5.12E-11	1.06E-08	2.87E-09	1.58E-14	4.77E-14	3.77E-14	5.76E-17	1.39E-15	7.68E-17	1.52591E-15	5.694E-12	1.0597E-08	2.86922E-09	1.6174E-14	2.32906E-16	8.07298E-15	3.87503E-17
277	570790.55	4178238.99	0.55, 41782	0.45531	0.56517	0.42739	195.76674	71.16962	229.68596	30.0466	17.67317	35.54387	6.16E-11	1.14E-08	3.5E-09	1.9E-14	5.74E-14	4.53E-14	6.92E-17	1.67E-15	9.23E-17	1.83381E-15	6.843E-12	1.1428E-08	3.49833E-09	1.94377E-14	2.79903E-16	9.70199E-15	4.65696E-17
278	570830.55	4178238.99	0.55, 41782	0.51729	0.70869	0.46924	186.14136	86.93814	313.42291	30.32646	20.0795	44.72862	7.58E-11	1.38E-08	3.64E-09	2.34E-14	7.06E-14	5.58E-14	8.52E-17	2.06E-15	1.14E-16	2.25768E-15	8.425E-12	1.3837E-08	3.64435E-09	2.39306E-14	3.446E-16	1.19445E-14	5.73337E-17
279	570870.55	4178238.99	0.55, 41782	0.63421	0.91745	0.53024	225.98347	96.3139	311.28977	37.66391	24.81387	41.34654	9.68E-11	1.51E-08	4.34E-09	2.99E-14	9.02E-14	7.12E-14	1.09E-16	2.63E-15	1.45E-16	2.88244E-15	1.076E-11	1.5072E-08	4.34411E-09	3.05528E-14	4.39961E-16	1.52499E-14	7.31995E-17

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	0.12	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	0.12	10	2	70	0.85
2<9	861	1	0.854795	0.000001	0.12	3	0.55	70	0.72
Student	640	1	0.493151	0.000001	0.12	3	2.8	70	1
Worker	230	1	0.684932	0.000001	0.12	1	2.8	70	1

Naphthalene

	Chronic (Annu	Acute (1hr)	8hr
REL:	9	1	1

280	570910.55	4178238.99	0.55, 41782	0.85302	1.23442	0.65693	293.13359	117.47886	326.7744	47.06613	30.6738	48.00957	1.3E-10	1.79E-08	5.38E-09	4E-14	1.21E-13	9.53E-14	1.46E-16	3.52E-15	1.94E-16	3.85665E-15	1.439E-11	1.7885E-08	5.38167E-09	4.08791E-14	5.88659E-16	2.04041E-14	9.79395E-17
281	570950.55	4178238.99	0.55, 41782	1.35023	1.79208	0.88884	455.80102	142.22416	478.03953	68.40553	39.86266	68.50221	1.88E-10	2.37E-08	7.81E-09	5.81E-14	1.75E-13	1.39E-13	2.12E-16	5.11E-15	2.82E-16	5.60831E-15	2.093E-11	2.3743E-08	7.80535E-09	5.94461E-14	8.56024E-16	2.96715E-14	1.42423E-16
282	570990.55	4178238.99	0.55, 41782	3.0182	3.06414	1.32054	885.93977	193.04223	771.54657	147.1874	58.20401	96.44332	3.27E-10	3.65E-08	1.61E-08	1.01E-13	3.04E-13	2.4E-13	3.67E-16	8.87E-15	4.9E-16	9.72978E-15	3.631E-11	3.6538E-08	1.61419E-08	1.03132E-13	1.4851E-15	5.14766E-14	2.47088E-16
283	571030.55	4178238.99	0.55, 41782	7.70332	4.46365	2.30139	679.65913	243.63294	1123.21669	144.28562	71.78775	156.8655	5.15E-10	4.35E-08	1.66E-08	1.59E-13	4.8E-13	3.79E-13	5.79E-16	1.4E-14	7.72E-16	1.53271E-14	5.719E-11	4.3534E-08	1.66221E-08	1.62461E-13	2.33944E-15	8.10896E-14	3.8923E-16
284	571110.55	4178238.99	0.55, 41782	48.37684	13.76668	3.52906	1082.14109	288.2044	2417.61379	441.33003	115.9324	328.07057	1.79E-09	6.83E-08	4.89E-08	5.54E-13	1.67E-12	1.32E-12	2.02E-15	4.87E-14	2.69E-15	5.34236E-14	1.994E-10	6.8301E-08	4.88984E-08	5.6627E-13	8.15429E-15	2.82644E-13	1.35669E-15
285	571150.55	4178238.99	0.55, 41782	14.38318	6.22649	4.84511	550.93904	192.81003	1871.63269	147.46183	59.89562	339.77194	7.76E-10	4.72E-08	1.93E-08	2.4E-13	7.23E-13	5.71E-13	8.73E-16	2.11E-14	1.16E-15	2.31141E-14	8.625E-11	4.7178E-08	1.92873E-08	2.45001E-13	3.52802E-15	1.22288E-13	5.86983E-16
286	571190.55	4178238.99	0.55, 41782	8.08563	4.10425	7.76231	423.01159	138.20819	1326.9025	88.76631	43.45879	203.98194	5.56E-10	3.39E-08	1.16E-08	1.72E-13	5.18E-13	4.09E-13	6.25E-16	1.51E-14	8.33E-16	1.65531E-14	6.177E-11	3.3917E-08	1.16032E-08	1.75456E-13	2.52657E-15	8.75759E-14	4.20364E-16
287	571230.55	4178238.99	0.55, 41782	5.48613	3.01374	6.36519	364.79857	99.98669	820.37732	64.1708	32.88659	114.5851	4.12E-10	2.34E-08	7.97E-09	1.27E-13	3.84E-13	3.03E-13	4.63E-16	1.12E-14	6.18E-16	1.2271E-14	4.579E-11	2.3352E-08	7.96693E-09	1.30068E-13	1.87298E-15	6.49213E-14	3.11622E-16
288	571270.55	4178238.99	0.55, 41782	3.91656	2.30583	4.21608	308.69657	91.16262	501.73471	42.97299	25.31404	83.35946	3.04E-10	1.79E-08	5.42E-09	9.38E-14	2.83E-13	2.24E-13	3.42E-16	8.26E-15	4.56E-16	9.05339E-15	3.378E-11	1.7891E-08	5.42007E-09	9.59627E-14	1.38186E-15	4.7898E-14	2.29911E-16
289	571310.55	4178238.99	0.55, 41782	2.81911	1.80691	2.86031	238.76095	82.99282	368.88984	36.57222	19.65898	61.48164	2.3E-10	1.47E-08	4.49E-09	7.1E-14	2.14E-13	1.69E-13	2.59E-16	6.25E-15	3.45E-16	6.84896E-15	2.556E-11	1.4728E-08	4.49153E-09	7.25966E-14	1.04539E-15	3.62353E-14	1.73929E-16
290	571350.55	4178238.99	0.55, 41782	2.07392	1.43877	2.07081	186.98174	75.01218	257.12826	31.16362	15.62493	42.85471	1.79E-10	1.2E-08	3.71E-09	5.52E-14	1.67E-13	1.32E-13	2.01E-16	4.85E-15	2.68E-16	5.32255E-15	1.986E-11	1.2039E-08	3.70513E-09	5.64171E-14	8.12406E-16	2.81596E-14	1.35166E-16
291	571390.55	4178238.99	0.55, 41782	1.57003	1.1589	1.56847	153.36435	67.14235	200.39228	25.56072	13.28221	31.13336	1.42E-10	1.03E-08	2.99E-09	4.37E-14	1.32E-13	1.04E-13	1.59E-16	3.85E-15	2.12E-16	4.21857E-15	1.574E-11	1.0251E-08	2.98752E-09	4.47153E-14	6.439E-16	2.23188E-14	1.0713E-16
292	571430.55	4178238.99	0.55, 41782	1.23548	0.94866	1.2378	124.99719	59.46648	164.5542	20.83286	11.6734	24.18073	1.15E-10	8.8E-09	2.42E-09	3.54E-14	1.07E-13	8.45E-14	1.29E-16	3.12E-15	1.72E-16	3.42049E-15	1.276E-11	8.8024E-09	2.41963E-09	3.62559E-14	5.22085E-16	1.80965E-14	8.68632E-17
293	571470.55	4178238.99	0.55, 41782	0.99131	0.7845	0.9961	109.3041	54.21436	142.14876	17.2339	10.26711	19.9293	9.43E-11	7.88E-09	2E-09	2.91E-14	8.79E-14	6.94E-14	1.06E-16	2.56E-15	1.41E-16	2.80883E-15	1.048E-11	7.8765E-09	2.00068E-09	2.97726E-14	4.28725E-16	1.48604E-14	7.13301E-17
294	571510.55	4178238.99	0.55, 41782	0.81688	0.65976	0.82266	100.30585	50.40167	129.05875	14.55844	9.03737	16.96469	7.9E-11	7.27E-09	1.69E-09	2.44E-14	7.36E-14	5.81E-14	8.88E-17	2.14E-15	1.18E-16	2.35133E-15	8.774E-12	7.2695E-09	1.69174E-09	2.49233E-14	3.58896E-16	1.244E-14	5.97121E-17
295	571550.55	4178238.99	0.55, 41782	0.68618	0.56281	0.69258	92.19218	46.80105	116.817	12.52836	7.96128	14.60636	6.71E-11	6.7E-09	1.46E-09	2.07E-14	6.26E-14	4.94E-14	7.55E-17	1.82E-15	1.01E-16	1.99905E-15	7.46E-12	6.7017E-09	1.45593E-09	2.11892E-14	3.05125E-16	1.05762E-14	5.07658E-17
296	571590.55	4178238.99	0.55, 41782	0.57854	0.48285	0.58537	84.94405	43.3686	105.85184	10.89629	7.01254	13.23148	5.74E-11	6.17E-09	1.27E-09	1.77E-14	5.35E-14	4.22E-14	6.45E-17	1.56E-15	8.6E-17	1.70858E-15	6.376E-12	6.1745E-09	1.27303E-09	1.81103E-14	2.60789E-16	9.03944E-15	4.33893E-17
297	570310.55	4178278.99	0.55, 41782	0.11004	0.07807	0.10589	74.04292	22.79319	77.67346	10.17864	3.64675	10.70288	9.59E-12	3.83E-09	1.17E-09	2.96E-15	8.94E-15	7.06E-15	1.08E-17	2.6E-16	1.44E-17	2.85578E-16	1.066E-12	3.8289E-09	1.16796E-09	3.02703E-15	4.35892E-17	1.51089E-15	7.25225E-18
298	570350.55	4178278.99	0.55, 41782	0.12249	0.08802	0.11726	80.9847	23.74961	88.18196	11.08549	3.81596	12.05595	1.08E-11	4.12E-09	1.28E-09	3.32E-15	1E-14	7.93E-15	1.21E-17	2.92E-16	1.61E-17	3.20684E-16	1.197E-12	4.1217E-09	1.27713E-09	3.39913E-15	4.89475E-17	1.69661E-15	8.14375E-18
299	570390.55	4178278.99	0.55, 41782	0.13757	0.10016	0.13084	86.03589	24.80698	96.47388	11.74551	4.00404	13.13274	1.22E-11	4.38E-09	1.36E-09	3.77E-15	1.14E-14	8.98E-15	1.37E-17	3.31E-16	1.83E-17	3.6337E-16	1.356E-12	4.376E-09	1.35777E-09	3.85159E-15	5.5463E-17	1.92245E-15	9.22778E-18
300	570430.55	4178278.99	0.55, 41782	0.15607	0.11514	0.14747	96.31741	27.84204	100.58043	12.03968	4.46456	13.6645	1.4E-11	4.81E-09	1.39E-09	4.31E-15	1.3E-14	1.03E-14	1.57E-17	3.79E-16	2.09E-17	4.15962E-16	1.552E-12	4.8102E-09	1.39438E-09	4.40905E-15	6.34903E-17	2.2007E-15	1.05633E-17
301	570470.55	4178278.99	0.55, 41782	0.17907	0.13378	0.16835	120.52086	33.01708	119.41006	15.06511	5.41696	14.92626	1.62E-11	5.77E-09	1.72E-09	4.99E-15	1.51E-14	1.19E-14	1.82E-17	4.39E-16	2.42E-17	4.81468E-16	1.797E-12	5.7706E-09	1.71694E-09	5.10339E-15	7.34888E-17	2.54726E-15	1.22269E-17
302	570510.55	4178278.99	0.55, 41782	0.20795	0.15724	0.19497	141.57577	37.85068	153.41811	17.69697	6.30845	19.17726	1.89E-11	6.86E-09	2.04E-09	5.85E-15	1.76E-14	1.39E-14	2.13E-17	5.14E-16	2.84E-17	5.64022E-16	2.105E-12	6.8622E-09	2.03794E-09	5.97843E-15	8.60894E-17	2.98403E-15	1.43233E-17
303	570550.55	4178278.99	0.55, 41782	0.24435	0.18714	0.22876	153.17347	42.50173	177.88461	19.14668	7.08362	22.23558	2.25E-11	7.72E-09	2.22E-09	6.93E-15	2.09E-14	1.65E-14	2.53E-17	6.1E-16	3.37E-17	6.69062E-16	2.497E-12	7.7179E-09	2.22394E-09	7.09181E-15	1.02122E-16	3.53975E-15	1.69908E-17
304	570590.55	4178278.99	0.55, 41782	0.28993	0.22577	0.27077	157.86485	46.41285	177.78268	19.73311	7.73548	22.22284	2.7E-11	8.12E-09	2.28E-09	8.33E-15	2.51E-14	1.99E-14	3.03E-17	7.33E-16	4.05E-17	8.037E-16	2.999E-12	8.1207E-09	2.28317E-09	8.51893E-15	1.22673E-16	4.25207E-15	2.04099E-17
305	570630.55	4178278.99	0.55, 41782	0.34541	0.27631	0.32199	169.89337	50.77009	212.69617	21.23667	9.57894	26.58702	3.28E-11	9.09E-09	2.49E-09	1.01E-14	3.06E-14	2.42E-14	3.69E-17	8.91E-16	4.92E-17	9.77154E-16	3.646E-12	9.0879E-09	2.49136E-09	1.03575E-14	1.49148E-16	5.16975E-15	2.48148E-17
306	570670.55	4178278.99	0.55, 41782	0.40869	0.34273	0.38328	189.16159	55.36754	226.13934	23.6452	11.64813	28.26742	4.03E-11	9.88E-09	2.76E-09	1.24E-14	3.75E-14	2.97E-14	4.53E-17	1.09E-15	6.04E-17	1.19987E-15	4.477E-12	9.8761E-09	2.75681E-09	1.27182E-14	1.83142E-16	6.34805E-15	3.04707E-17
307	570710.55	4178278.99	0.55, 41782	0.47241	0.42944	0.45188	202.37611	59.97812	249.97635	25.29701	13.4468	31.24704	4.97E-11	1.07E-08	2.96E-09	1.53E-14	4.63E-14	3.66E-14	5.59E-17	1.35E-15	7.45E-17	1.4805E-15	5.525E-12	1.0737E-08	2.96227E-09	1.56928E-14	2.25976E-16	7.83277E-15	3.75973E-17
308	570750.55	4178278.99	0.55, 41782	0.52143	0.53099	0.51003	207.36077	66.44988	280.46815	28.38204	16.35494	35.05852	6.02E-11	1.18E-08	3.32E-09	1.86E-14	5.61E-14	4.43E-14	6.77E-17	1.63E-15	9.03E-17	1.79288E-15	6.69E-12	1.1768E-08	3.32354E-09	1.90039E-14	2.73656E-16	9.48545E-15	4.55301E-17
309	570790.55	4178278.99	0.55, 41782	0.56782	0.69623	0.54766	217.33897	75.80804	318.83899	33.24185	20.36018	42.96761	7.62E-11	1.32E-08	3.92E-09	2.35E-14	7.1E-14	5.61E-14	8.57E-17	2.07E-15	1.14E-16	2.26925E-15	8.468E-12	1.3213E-08	3.91704E-09	2.40532E-14	3.46366E-16	1.20057E-14	5.76275E-17
310	570830.55	4178278.99	0.55, 41782	0.62461	0.91706	0.58168	236.67869	94.57659	403.572	34.09074	24.90976	60.93237	9.73E-11	1.62E-08	4.23E-09	3E-14	9.07E-14	7.16E-14	1.09E-16	2.64E-15	1.46E-16	2.89808E-15	1.081E-11	1.6205E-08	4.23319E-09	3.07186E-14	4.42348E-16	1.53326E-14	7.35967E-17
311	570870.55	4178278.99	0.55, 41782	0.74364	1.27032	0.64347	232.57719	121.10786	430.4482	38.76287	29.17824	53.80602	1.31E-10	1.89E-08	4.62E-09	4.06E-14	1.23E-13	9.68E-14	1.48E-16	3.57E-15	1.97E-16	3.91543E-15	1.461E-11	1.8923E-08	4.61504E-09	4.15021E-14	5.97631E-16	2.0715E-14	9.94322E-17
312	570910.55	4178278.99	0.55, 41782	0.98087	1.94043	0.78377	289.58181	139.00222	423.1545	48.26363	45.30681	59.61258	1.97E-10	2.1E-08	5.65E-09	6.07E-14	1.83E-13	1.45E-13	2.21E-16	5.34E-15	2.95E-16	5.85757E-15	2.186E-11	2.1042E-08	5.65161E-09	6.20882E-14	8.9407E-16	3.09902E-14	1.48753E-16
313	570950.55	4178278.99	0.55, 41782	1.54705	3.33468	1.05206	380.89662	209.14004	464.4183	63.48277	60.99964	77.40305	3.33E-10	2.89E-08	7.42E-09	1.03E-13	3.1E-13	2.45E-13	3.74E-16	9.04E-15	4.99E-16	9.91159E-15	3.699E-11	2.8891E-08	7.42085E-09	1.05059E-13	1.51285E-15	5.24385E-14	2.51705E-16
314	571150.55	4178278.99	0.55, 41782	125.5821	15.27099	61.53709	2183.625	235.47088	4321.7852	1020.3296	115.3363	966.08792	3.47E-09	9.92E-08	1.16E-07	1.07E-12	3.23E-12	2.55E-12	3.9E-15	9.41E-14	5.19E-15	1.03195E-13	3.851E-10	9.9189E-08	1.1571E-07	1.09383E-12	1.57512E-14	5.45967E-13	2.62064E-15
315	571190.55	4178278.99	0.55, 41782	19.14498	7.50998	20.68123	704.1647	157.76938	1300.13062	186.41477	61.8786	262.75525	1.14E-09	3.82E-08	2.22E-08	3.53E-13	1.07E-12	8.43E-13	1.29E-15	3.11E-14	1.72E-15	3.40878E-14	1.272E-10	3.8237E-08	2.22454E-08	3.61319E-13	5.20299E-15	1.80346E-13	8.65659E-16
316	571230.55	4178278.99	0.55, 41782	9.41744	4.44398	9.68706	418.2482	120.63814	710.71948	87.01567	39.51148	138.35634	6.25E-10	2.44E-08	1.06E-08	1.93E-13	5.82E-13	4.6E-13	7.03E-16	1.7E-14	9.37E-16	1.86146E-14	6.946E-11	2.4374E-08	1.05851E-08	1.97308E-13	2.84124E-15	9.84829E-14	4.72718E-16
317	571270.55	4178278.99	0.55, 41782	5.33507	3.02277	5.65407	265.61255	99.06709	486.13138	58.88721	29.56115	89.94232	4.02E-10	1.8E-08	7.12E-09	1.24E-13	3.75E-13	2.96E-13	4.52E-16	1.09E-14	6.03E-16	1.19781E-14	4.47E-11	1.7969E-08	7.1161E-09	1.26963E-13	1.82827E-15	6.33715E-14	3.04183E-16
318	571310.55	4178278.99	0.55, 41782	3.44949	2.20529	3.73581	197.38222	83.78037	349.19747	42.40574	23.44903	62.97539	2.84E-10	1.41E-08	5.1E-09	8.76E-14	2.65E-13	2.09E-13	3.19E-16	7.71E-15	4.26E-16	8.45511E-15	3.155E-11	1.4123E-08	5.10145E-09	8.96212E-14	1.29054E-15	4.47328E-14	2.14717E-16
319	571350.55	4178278.99	0.55, 41782	2.42474	1.67304	2.63741	164.77993	74.08708	262.11907	31.82391	19.20475	45.98547	2.11E-10	1.18E-08	3.81E-09	6.51E-14	1.97E-13	1.55E-13	2.37E-16	5.73E-15	3.16E-16	6.28073E-15	2.344E-11	1.1791E-08	3.81211E-09	6.65735E-14	9.58658E-16	3.32289E-14	1.59499E-16
320	571390.55	4178278.99	0.55, 41782	1.80332	1.30805	1.94946	139.62437	66.18564	204.22507	24.75802	16.07748	34.84377	1.63E-10	1.01E-08	2.95E-09	5.02E-14	1.51E-13	1.2E-13	1.83E-16	4.41E-15	2.44E-16	4.83937E-15	1.806E-11	1.0072E-08	2.95377E-09	5.12955E-14	7.38656E-16	2.56032E-14	1.22896E-16
321	571430.55	4178278.99	0.55, 41782	1.38872	1.04688	1.49158	120.07885	59.47148	164.54693	19.78612	13.66223	27.17412	1.29E-10	8.75E-09	2.35E-09	3.97E-14	1.2E-13	9.47E-14	1.45E-16	3.49E-15	1.93E-16	3.83029E-15	1.429E-11	8.7524E-09	2.35198E-09	4.05996E-14	5.84635E-16	2.02646E-14	9.727E-17
322	571470.55	4178278.99	0.55, 41782	1.11171	0.86066	1.18684	104.95004	53.66694	136.91558	16.34545	11.81303	21.87493	1.05E-10	7.71E-09	1.94E-09	3.24E-14	9.78E-14	7.72E-14	1.18E-16	2.85E-15	1.57E-16	3.12476E-15	1.166E-11	7.7149E-09	1.93563E-09	3.31213E-14	4.76947E-16	1.65319E-14	7.93532E-17
323	571510.55	4178278.99	0.55, 41782	0.90331	0.71725	0.95952	92.95227	48.50847	116.77816	13.70064	10.27697	17.93941	8.68E-11	6.86E-09	1.62E-09	2.68E-14	8.09E-14	6.39E-14	9.76E-17	2.36E-15	1.3E-16	2.58574E-15	9.649E-12	6.8644E-09	1.61736E-09	2.7408E-14	3.94675E-16	1.36802E-14	6.56649E-17
324	571550.55	4178278.99	0.55, 41782	0.74685	0.60641	0.79002	83.35854	43.88956	102.16829	11.6678	9.00306	14.97338	7.3E-11	6.16E-09	1.37E-09	2.25E-14	6.8E-14	5.37E-14	8.2E-17	1.98E-15	1.09E-16	2.17291E-15	8.108E-12	6.1585E-09	1.37349E-09	2.30321E-14	3.31662E-16	1.14961E-14	5.51811E-17
325	571590.55	4178278.99	0.55, 41782	0.63093	0.52161	0.66513	75.57295	41.1264	91.05382	10.11638	7.96472	12.7323	6.25E-11	5.68E-09	1.19E-09	1.93E-14	5.82E-14	4.6E-14	7.02E-17	1.7E-15	9.36E-17	1.86005E-15	6.941E-12	5.6847E-09	1.18765E-09	1.97159E-14	2.83908E-16	9.84082E-15	4.72359E-17
326	570310.55	4178318.99	0.55, 41783	0.1112	0.07908	0.10686	65.67409	25.12162	71.57917	10.72274	3.92383	11.92986	9.71E-12	3.88E-09	1.24E-09	3E-15	9.04E-15	7.14E-15	1.09E-17	2.64E-16	1.45E-17	2.8904E-16	1.079E-12	3.8769E-09	1.23878E-09	3.06372E-15	4.41175E-17	1.5292E-15	7.34016E-18
327	570350.55	4178318.99	0.55, 41783	0.12381	0.08915	0.11863	72.99363	26.3644	78.028	10.96785	4.13077	12.26515	1.09E-11	4.15E-09	1.27E-09	3.36E-15	1.02E-14	8.02E-15	1.23E-17	2.96E-16	1.63E-17	3.24672E-16	1.212E-12	4.1477E-09	1.2679E-09	3.4414E-15	4.95562E-17	1.71771E-15	8.24503E-18
328	570390.55	4178318.99	0.55, 41783	0.13907	0.1015	0.13256	85.61577	27.73961	87.79758	11.84211	4.3586	12.34233	1.24E-11	4.53E-09	1.36E-09	3.81E-15	1.15E-14	9.1E-15	1.39E-17	3.36E-16	1.85E-17	3.68116E-16	1.374E-12	4.5274E-09	1.35743E-09	3.9019E-15	5.61873E-17	1.94756E-15	9.3483E-18
329	570430.55	4178318.99	0.55, 41783	0.15783	0.11689	0.14946	97.99246	29.27563	105.83642	13.47747	4.61214	14.5399	1.42E-11	5.03E-09	1.55E-09	4.37E-15	1.32E-14	1.04E-14	1.59E-17	3.85E-16	2.12E-17	4.22001E-16	1.575E-12	5.0252E-09	1.5512E-09	4.47306E-15	6.44121E-17	2.23265E-15	1.07167E-17
330	570470.55	4178318.99	0.55, 41783	0.18134	0.13633	0.17027	108.90086	31.01454	122.78	14.92794	4.89871	16.74752	1.64E-11	5.51E-09	1.73E-09	5.08E-15	1.53E-14	1.21E-14	1.85E-17	4.47E-16	2.47E-17	4.89805E-16	1.828E-12	5.5124E-09	1.72638E-09	5.19175E-15	7.47612E-17	2.59137E-15	1.24386E-17
331	570510.55	4178318.99	0.55, 41783	0.21129	0.16124	0.19656	118.40452	33.29424	135.32696	15.9306	5.40834	18.39398	1.94E-11	5.98E-09	1.85E-09	5.97E-15	1.8E-14	1.42E-14	2.18E-17	5.26E-16	2.9E-17	5.7649E-16	2.151E-12	5.9781E-09	1.84902E-09	6.11058E-15	8.79924E-17	3.04999E-15	1.46399E-17
332	570550.55	4178318.99	0.55, 41783	0.2503	0.19368	0.23096	153.9338	39.94632	153.89508	19.24172	6.62991	19.23689	2.32E-11	7.19E-09	2.2E-09	7.14E-15	2.16E-14	1.7E-14	2.6E-17	6.29E-16	3.47E-17	6.89443E-16	2.573E-12	7.1857E-09	2.19515E-09	7.30784E-15	1.05233E-16	3.64758E-15	1.75084E-17
333	570590.55	4178318.99	0.55, 41783	0.30196	0.23671	0.27701	186.54438	46.61587	209.37606	23.31805	7.76931	26.17201	2.82E-11	8.84E-09	2.7E-09	8.7E-15	2.63E-14	2.07E-14	3.17E-17	7.65E-16	4.23E-17	8.39403E-16	3.132E-12	8.8379E-09	2.69683E-09	8.89737E-15	1.28122E-16	4.44096E-15	2.13166E-17
334	570630.55	4178318.99	0.55, 41783	0.37105	0.29503	0.3391	205.0145	52.79857	247.59232	25.62681	8.79976	30.94904	3.5E-11	1.01E-08	2.99E-09	1.08E-14	3.26E-14	2.58E-14	3.93E-17	9.5E-16	5.25E-17	1.04224E-15	3.889E-12	1.008E-08	2.99185E-09	1.10474E-14	1.59083E-16	5.51412E-15	2.64678E-17
335	570670.55	4178318.99	0.55, 41783	0.462	0.37572	0.42024	218.45656	59.57781	273.51496	27.30707	11.98561	34.18937	4.43E-11	1.12E-08	3.2E-09	1.37E-14	4.13E-14	3.26E-14	4.98E-17	1.2E-15	6.64E-17	1.31965E-15	4.924E-12	1.1167E-08	3.20353E-09	1.39879E-14	2.01425E-16	6.98179E-15	3.35126E-17
336	570710.55	4178318.99	0.55, 41783	0.57218	0.48827	0.5224	242.44958	66.62286	291.17197	30.3062	15.15553	36.3965	5.7E-11	1.23E-08	3.54E-09	1.76E-14	5.31E-14	4.2E-14	6.41E-17	1.55E-15	8.54E-17	1.6973E-15	6.334E-12	1.228E-08	3.53555E-09	1.79908E-14	2.59068E-16	8.97979E-15	4.3103E-17
337	570750.55	4178318.99	0.55, 41783	0.67767	0.63416	0.63666	262.41203	72.71034	341.04886	32.8015	17.84948	42.63111	7.28E-11	1.37E-08	3.87E-09	2.25E-14	6.79E-14	5.36E-14	8.19E-17	1.98E-15	1.09E-16	2.1685E-15	8.092E-12	1.3678E-08	3.86813E-09	2.29853E-14	3.30989E-16	1.14727E-14	5.5069E-17
338	570790.55	4178318.99	0.55, 41783	0.76041	0.85502	0.73352	285.66779	86.45349	381.79277	42.9347	23.67926	50.68659	9.5E-11	1.57E-08	5E-09	2.93E-14	8.85E-14	6.99E-14	1.07E-16	2.58E-15	1.42E-16	2.82931E-15	1.056E-11	1.5689E-08	4.99757E-09	2.99896E-14	4.31851E-16	1.49688E-14	7.18502E-17
339	570830.55	4178318.99	0.55, 41783	0.82107	1.23378	0.77266	302.59427	109.05103	424.78874	45.07728	29.79255	65.49858	1.31E-10	1.85E-08	5.4E-09	4.03E-14	1.22E-13	9.61E-14	1.47E-16	3.55E-15	1.96E-16	3.88931E-15	1.451E-11	1.847E-08	5.40434E-09	4.12253E-14	5.93645E-16	2.05769E-14	9.8769E-17
340	570870.55	4178318.99	0.55, 41783	0.93174	1.8881	0.81484	263.71888	150.69846	583.61	37.23183	42.82711	79.94464	1.92E-10	2.39E-08	4.79E-09	5.92E-14	1.79E-13	1.41E-13	2.16E-16	5.21E-15	2.88E-16	5.7126E-15	2.132E-11	2.3898E-08	4.79489E-09	6.05515E-14	8.71942E-16	3.02232E-14	1.45071E-16
341	570910.55	4178318.99	0.55, 41783	1.19482	3.5981	0.94641	225.26352	195.84246	582.08496	37.31993	59.22953	72.76062	3.52E-10	2.76E-08	4.71E-09	1.09E-13	3.28E-13	2.59E-13	3.96E-16	9.55E-15	5.27E-16	1.04777E-14	3.91E-11	2.7593E-08	4.71177E-09	1.1106E-13	1.59927E-15	5.54337E-14	2.66082E-16
342	571190.55	4178318.99	0.55, 41783	29.13102	9.74239	24.19825	1204.46355	192.40018	1781.17361	337.10397	86.14095	400.692	1.5E-09	5.27E-08	3.93E-08	4.61E-13	1.39E-12	1.1E-12	1.68E-15	4.06E-14	2.24E-15	4.4528E-14	1.662E-10	5.268E-08	3.92736E-08	4.71981E-13	6.79652E-15	2.35581E-13	1.13079E-15
343	571230.55	4178318.99	0.55, 41783	10.45163	5.25398	11.58574	479.33008	117.37647	725.29291	126.19986	44.06446	185.38424	7.34E-10	2.49E-08	1.52E-08	2.26E-13	6.84E-13	5.4E-13	8.25E-16	1.99E-14	1.1E-15	2.185E-14	8.153E-11	2.489E-08	1.51559E-08	2.31602E-13	3.33507E-15	1.156E-13	5.5488E-16
344	571270.55	4178318.99	0.55, 41783	5.72808	3.4301	6.64009	292.22118	96.9874	479.91721	63.79547	33.00222	105.59121	4.56E-10	1.8E-08	7.81E-09	1.41E-13	4.25E-13	3.36E-13	5.13E-16	1.24E-14	6.83E-16	1.35782E-14	5.067E-11	1.7972E-08	7.81368E-09	1.43924E-13	2.07251E-15	7.18371E-14	3.44818E-16
345	571310.55	4178318.99	0.55, 41783	3.67711	2.43151	4.23514	175.48484	83.52768	339.71763	43.52526	25.92364	69.01312	3.13E-10	1.38E-08	5.29E-09	9.67E-14	2.92E-13	2.31E-13	3.52E-16	8.51E-15	4.7E-16	9.32821E-15	3.481E-11	1.3754E-08	5.29219E-09	9.88757E-14	1.42381E-15	4.9352E-14	2.3689E-16
346	571350.55	4178318.99	0.55, 41783	2.57847	1.81872	2.91777	135.74456	73.58424	245.66728	31.86463	21.08438	47.561	2.29E-10	1.12E-08	3.84E-09	7.08E-14	2.14E-13	1.69E-13	2.58E-16	6.23E-15	3.44E-16	6.82945E-15	2.548E-11	1.1237E-08	3.83642E-09	7.23897E-14	1.04241E-15	3.6132E-14	1.73434E-16
347	571390.55	4178318.99	0.55, 41783	1.91038	1.41202	2.12389	114.67965	65.84745	189.40245	24.95277	17.54375	35.6451	1.75E-10	9.6E-09	2.98E-09	5.41E-14	1.63E-13	1.29E-13	1.97E-16	4.76E-15	2.63E-16	5.22038E-15	1.948E-11	9.5959E-09	2.98376E-09	5.53342E-14	7.96812E-16	2.7619E-14	1.32571E-16
348	571430.55	4178318.99	0.55, 41783	1.47151	1.12853	1.61377	100.57811	59.61061	161.57422	20.18585	14.84739	27.57311	1.38E-10	8.53E-09	2.4E-09	4.27E-14	1.29E-13	1.02E-13	1.56E-16	3.76E-15	2.08E-16	4.12347E-15	1.539E-11	8.5271E-09	2.39757E-09	4.37073E-14	6.29385E-16	2.18157E-14	1.04715E-16
349	571470.55	4178318.99	0.55, 41783	1.16585	0.92218	1.2649	90.09229	54.43044	139.38169	16.69193	12.71837	21.87498	1.12E-10	7.66E-09	1.97E-09	3.46E-14	1.04E-13	8.25E-14	1.26E-16	3.04E-15	1.68E-16	3.33781E-15	1.246E-11	7.6637E-09	1.97072E-09	3.53795E-14	5.09465E-16	1.76591E-14	8.47635E-17
350	571510.55	4178318.99	0.55, 41783	0.94595	0.76805	1.01773	81.52103	50.05282	121.69	14.06823	11.00608	17.76049	9.26E-11	6.95E-09	1.65E-09	2.86E-14	8.63E-14	6.82E-14	1.04E-16	2.52E-15	1.39E-16	2.75865E-15	1.029E-11	6.9507E-09	1.6523E-09	2.92407E-14	4.21066E-16	1.4595E-14	7.00558E-17
351	571550.55	4178318.99	0.55, 41783	0.78212	0.64956	0.83556	74.38547	46.28731	107.35752	12.02264	9.59923	14.66288	7.78E-11	6.35E-09	1.41E-09	2.4E-14	7.25E-14	5.73E-14	8.75E-17	2.11E-15	1.17E-16	2.318E-15	8.65E-12	6.3512E-09	1.40544E-09	2.457E-14	3.53808E-16	1.22637E-14	5.88656E-17
352	571590.55	4178318.99	0.55, 41783	0.65442	0.55508	0.69496	68.29245	42.98116	95.34122	10.3334	8.40789	12.26582	6.61E-11	5.83E-09	1.2E-09	2.04E-14	6.16E-14	4.87E-14	7.43E-17	1.8E-15	9.91E-17	1.96931E-15	7.349E-12	5.8339E-09	1.20366E-09	2.0874E-14	3.00586E-16	1.04189E-14	5.00107E-17
353	570310.55	4178358.99	0.55, 41783	0.11229	0.07993	0.10794	69.29068	26.58817	75.81746	11.54845	4.0095	12.46153	9.81E-12	4.1E-09	1.33E-09	3.03E-15	9.14E-15	7.22E-15	1.1E-17	2.66E-16	1.47E-17	2.92088E-16	1.09E-12	4.1018E-09	1.32922E-09	3.09603E-15	4.45828E-17	1.54533E-15	7.41757E-18
354	570350.55	4178358.99	0.55, 41783	0.12531	0.09043	0.1201	75.30937	28.06345	82.61098	12.55156	4.25756	13.7685	1.11E-11	4.38E-09	1.45E-09	3.41E-15	1.03E-14	8.14E-15	1.24E-17	3E-16	1.66E-17	3.2916E-16	1.228E-12	4.3848E-09	1.44755E-09	3.48897E-15	5.02412E-17	1.74146E-15	8.359E-18
355	570390.55	4178358.99	0.55, 41783	0.14084	0.10296	0.13441	81.29058	29.71471	90.82388	13.54843	4.53386	15.13731	1.25E-11	4.7E-09	1.57E-09	3.87E-15	1.17E-14	9.23E-15	1.41E-17	3.4E-16	1.88E-17	3.73319E-16	1.393E-12	4.7017E-09	1.56604E-09	3.95705E-15	5.69815E-17	1.97509E-15	9.48043E-18
356	570430.55	4178358.99	0.55, 41783	0.15989	0.11858	0.15186	87.11605	31.54887	98.44842	14.51934	4.83992	16.40807	1.44E-11	5.03E-09	1.68E-09	4.44E-15	1.34E-14	1.06E-14	1.62E-17	3.9E-16	2.16E-17	4.28126E-16	1.598E-12	5.026E-09	1.68065E-09	4.53798E-15	6.53469E-17	2.26505E-15	1.08722E-17
357	570470.55	4178358.99	0.55, 41783	0.18374	0.13844	0.17326	97.3598	33.59814	106.34308	15.36354	5.1813	17.51553	1.67E-11	5.42E-09	1.78E-09	5.15E-15	1.56E-14	1.23E-14	1.88E-17	4.54E-16	2.5E-17	4.97397E-16	1.856E-12	5.4187E-09	1.78034E-09	5.27222E-15	7.592E-17	2.63154E-15	1.26314E-17
358	570510.55	4178358.99	0.55, 41783	0.21432	0.16421	0.20002	118.04415	35.93263	125.3205	16.48105	5.5698	18.1537	1.97E-11	6.09E-09	1.9E-09	6.08E-15	1.84E-14	1.45E-14	2.22E-17	5.35E-16	2.95E-17	5.86784E-16	2.19E-12	6.0864E-09	1.90169E-09	6.2197E-15	8.95637E-17	3.10445E-15	1.49014E-17
359	570550.55	4178358.99	0.55, 41783	0.25472	0.19842	0.23435	139.50155	38.63371	157.96544	19.4148	6.01971	21.81117	2.37E-11	6.97E-09	2.25E-09	7.31E-15	2.21E-14	1.74E-14	2.66E-17	6.43E-16	3.55E-17	7.04932E-16	2.63E-12	6.9704E-09	2.24566E-09	7.47202E-15	1.07597E-16	3.72953E-15	1.79017E-17
360	570590.55	4178358.99	0.55, 41783	0.30979	0.24497	0.28017	159.83108	41.83842	190.36526	22.23989	6.84975	26.13545	2.91E-11	7.89E-09	2.59E-09	8.97E-15	2.71E-14	2.14E-14	3.27E-17	7.89E-16	4.36E-17	8.65386E-16	3.229E-12	7.8856E-09	2.58717E-09	9.17278E-15	1.32088E-16	4.57843E-15	2.19765E-17
361	570630.55	4178358.99	0.55, 41783	0.38734	0.31015	0.34391	206.43147	51.05257	211.21178	25.80393	8.50876	28.98998	3.66E-11	9.47E-09	2.98E-09	1.13E-14	3.41E-14	2.69E-14	4.12E-17	9.94E-16	5.49E-17	1.09003E-15	4.068E-12	9.4691E-09	2.98469E-09	1.15539E-14	1.66377E-16	5.76694E-15	2.76813E-17
362	570670.55	4178358.99	0.55, 41783	0.50063	0.40488	0.43681	262.98595	60.70684	312.78941	32.87324	10.74505	39.09868	4.76E-11	1.22E-08	3.83E-09	1.47E-14	4.43E-14	3.5E-14	5.35E-17	1.29E-15	7.13E-17	1.4168E-15	5.287E-12	1.2229E-08	3.83014E-09	1.50176E-14	2.16253E-16	7.49575E-15	3.59796E-17
363	570710.55	4178358.99	0.55, 41783	0.66972	0.54814	0.57453	304.17814	72.14807	380.66102	38.02227	15.71205	47.58263	6.41E-11	1.46E-08	4.46E-09	1.98E-14	5.97E-14	4.72E-14	7.21E-17	1.74E-15	9.61E-17	1.90923E-15	7.124E-12	1.4562E-08	4.4603E-09	2.02371E-14	2.91415E-16	1.0101E-14	4.84848E-17
364	570750.55	4178358.99	0.55, 41783	0.90523	0.76876	0.77041	339.35657	85.82023	445.46467	44.72327	21.31802	55.68308	8.91E-11	1.7E-08	5.24E-09	2.75E-14	8.3E-14	6.56E-14	1E-16	2.42E-15	1.34E-16	2.65379E-15	9.903E-12	1.6998E-08	5.24272E-09	2.81292E-14	4.05061E-16	1.40402E-14	6.73929E-17
365	570790.55	4178358.99	0.55, 41783	1.13154	1.06104	0.98839	377.53193	96.31599	507.3356	54.94081	27.90141	63.41695	1.21E-10	1.91E-08	6.38E-09	3.73E-14	1.13E-13	8.89E-14	1.36E-16	3.28E-15	1.81E-16	3.5982E-15	1.343E-11	1.9137E-08	6.37658E-09	3.81396E-14	5.4921E-16	1.90367E-14	9.13761E-17
366	570830.55	4178358.99	0.55, 41783	1.33226	1.74963	1.18947	411.58415	139.14147	649.42864	69.46909	37.35577	97.59965	1.88E-10	2.52E-08	8.29E-09	5.81E-14	1.75E-13	1.38E-13	2.12E-16	5.11E-15	2.82E-16	5.60247E-15	2.091E-11	2.5205E-08	8.28588E-09	5.93842E-14	8.55132E-16	2.96405E-14	1.42275E-16
367	570870.55	4178358.99	0.55, 41783	1.45984	3.38436	1.19217	346.78431	184.49712	847.26971	52.43952	61.49528	124.03925	3.38E-10	3.12E-08	6.9E-09	1.04E-13	3.15E-13	2.49E-13	3.8E-16	9.19E-15	5.07E-16	1.00731E-14	3.759E-11	3.1204E-08	6.9E-09	1.06771E-13	1.5375E-15	5.32928E-14	2.55806E-16
368	571150.55	4178358.99	0.55, 41783	17.36196	17.82412	10.70274	1537.79423	258.8776	2153.28101	350.34789	128.93656	372.67701	1.94E-09	6.69E-08	4.03E-08	5.98E-13	1.81E-12	1.43E-12	2.18E-15	5.26E-14	2.9E-15	5.76913E-14	2.153E-10	6.6916E-08	4.02559E-08	6.11507E-13	8.8057E-15	3.05223E-13	1.46507E-15
369	571190.55	4178358.99	0.55, 41783	10.35157	8.16971	8.42586	590.93034	162.31709	1380.32388	161.82999	76.08872	218.22557	9.58E-10	3.85E-08	1.92E-08	2.96E-13	8.92E-13	7.05E-13	1.08E-15	2.6E-14	1.44E-15	2.85165E-14	1.064E-10	3.8517E-08	1.91851E-08	3.02264E-13	4.35261E-15	1.5087E-13	7.24175E-16
370	571230.55	4178358.99	0.55, 41783	6.41954	4.85697	6.11014	429.96716	118.18476	649.38165	103.83364	47.29307	136.54892	5.86E-10	2.35E-08	1.23E-08	1.81E-13	5.46E-13	4.31E-13	6.59E-16	1.59E-14	8.79E-16	1.74543E-14	6.513E-11	2.3485E-08	1.22651E-08	1.8501E-13	2.66414E-15	9.23442E-14	4.43252E-16
371	571270.55	4178358.99	0.55, 41783	4.24607	3.28764	4.46672	330.34534	97.41521	669.03521	71.25122	30.79427	101.30501	4E-10	2.08E-08	8.51E-09	1.23E-13	3.73E-13	2.94E-13	4.5E-16	1.09E-14	6E-16	1.19106E-14	4.444E-11	2.0825E-08	8.51383E-09	1.26248E-13	1.81797E-15	6.30145E-14	3.02469E-16
372	571310.55	4178358.99	0.55, 41783	3.01802	2.39332	3.29044	280.32399	84.30249	476.5001	47.38187	23.6076	69.83839	2.91E-10	1.67E-08	5.69E-09	8.98E-14	2.71E-13	2.14E-13	3.27E-16	7.9E-15	4.36E-16	8.66313E-15	3.233E-11	1.6652E-08	5.69333E-09	9.18261E-14	1.3223E-15	4.58333E-14	2.2E-16
373	571350.55	4178358.99	0.55, 41783	2.25439	1.82521	2.47896	223.1696	75.03337	276.07803	32.74083	19.24184	47.29925	2.21E-10	1.27E-08	3.92E-09	6.82E-14	2.06E-13	1.63E-13	2.48E-16	6E-15	3.31E-16	6.58072E-15	2.456E-11	1.2655E-08	3.9218E-09	6.97532E-14	1.00445E-15	3.48161E-14	1.67117E-16
374	571390.55	4178358.99	0.55, 41783	1.7395	1.43625	1.90839	164.0034	68.00709	177.73654	25.39154	16.17569	38.72375	1.73E-10	1.01E-08	3.07E-09	5.34E-14	1.61E-13	1.27E-13	1.94E-16	4.7E-15	2.59E-16	5.15168E-15	1.922E-11	1.0149E-08	3.06764E-09	5.4606E-14	7.86326E-16	2.72556E-14	1.30827E-16
375	571430.55	4178358.99	0.55, 41783	1.37666	1.15767	1.50113	113.66708	62.41604	162.05892	21.33563	13.79366	30.03325	1.39E-10	8.92E-09	2.55E-09	4.28E-14	1.29E-13	1.02E-13	1.56E-16	3.77E-15	2.08E-16	4.13052E-15	1.541E-11	8.9228E-09	2.54554E-09	4.37821E-14	6.30462E-16	2.1853E-14	1.04895E-16
376	571470.55	4178358.99	0.55, 41783	1.11313	0.95193	1.20554	91.64258	57.80687	139.39839	17.74486	11.89568	22.85385	1.14E-10	7.99E-09	2.09E-09	3.5E-14	1.06E-13	8.35E-14	1.28E-16	3.08E-15	1.7E-16	3.3797E-15	1.261E-11	7.9872E-09	2.0899E-09	3.58236E-14	5.1586E-16	1.78807E-14	8.58274E-17
377	571510.55	4178358.99	0.55, 41783	0.9166	0.79605	0.98663	82.11168	53.90312	116.32041	14.64829	10.35284	20.08654	9.45E-11	7.24E-09	1.74E-09	2.92E-14	8.8E-14	6.95E-14	1.06E-16	2.57E-15	1.42E-16	2.81372E-15	1.05E-11	7.2385E-09	1.74084E-09	2.98244E-14	4.29471E-16	1.48863E-14	7.14542E-17
378	571550.55	4178358.99	0.55, 41783	0.76622	0.67498	0.82026	72.9064	50.52239	102.58687	12.13868	9.07968	17.28494	7.98E-11	6.66E-09	1.45E-09	2.46E-14	7.44E-14	5.87E-14	8.97E-17	2.17E-15	1.2E-16	2.37621E-15	8.867E-12	6.6604E-09	1.45079E-09	2.51869E-14	3.62692E-16	1.25716E-14	6.03437E-17
379	571590.55	4178358.99	0.55, 41783	0.64386	0.57575	0.68602	65.94968	47.48497	92.44167	10.99161	8.00686	15.40694	6.78E-11	6.18E-09	1.31E-09	2.09E-14	6.32E-14	4.99E-14	7.62E-17	1.84E-15	1.02E-16	2.0187E-15	7.533E-12	6.1827E-09	1.31056E-09	2.13975E-14	3.08124E-16	1.06802E-14	5.12649E-17
380	570310.55	4178398.99	0.55, 41783	0.11287	0.08031	0.1093	71.34246	27.87564	79.43468	11.89041	3.82503	13.23911	9.87E-12	4.29E-09	1.37E-09	3.04E-15	9.19E-15	7.26E-15	1.11E-17	2.68E-16	1.48E-17	2.93814E-16	1.096E-12	4.2864E-09	1.37381E-09	3.11432E-15	4.48462E-17	1.55446E-15	7.4614E-18
381	570350.55	4178398.99	0.55, 41783	0.12665	0.09175	0.12214	75.96419	29.57043	83.22909	12.46201	4.12173	13.80548	1.12E-11	4.54E-09	1.44E-09	3.46E-15	1.04E-14	8.25E-15	1.26E-17	3.05E-16	1.68E-17	3.33924E-16	1.246E-12	4.5366E-09	1.43896E-09	3.53948E-15	5.09685E-17	1.76667E-15	8.48E-18
382	570390.55	4178398.99	0.55, 41783	0.1425	0.10434	0.13672	83.29233	31.439	92.96873	13.04897	4.44958	14.404	1.27E-11	4.91E-09	1.51E-09	3.92E-15	1.18E-14	9.35E-15	1.43E-17	3.45E-16	1.91E-17	3.78447E-16	1.412E-12	4.9066E-09	1.50607E-09	4.01141E-15	5.77642E-17	2.00222E-15	9.61066E-18
383	570430.55	4178398.99	0.55, 41783	0.16211	0.12032	0.15453	91.32735	33.521	103.76057	14.59534	4.81492	15.65812	1.46E-11	5.32E-09	1.68E-09	4.5E-15	1.36E-14	1.07E-14	1.64E-17	3.96E-16	2.19E-17	4.34538E-16	1.621E-12	5.3168E-09	1.67874E-09	4.60595E-15	6.63257E-17	2.29898E-15	1.10351E-17
384	570470.55	4178398.99	0.55, 41783	0.18668	0.14051	0.17655	100.43451	35.89015	115.76296	16.57018	5.22899	18.35818	1.7E-11	5.78E-09	1.91E-09	5.24E-15	1.58E-14	1.25E-14	1.91E-17	4.61E-16	2.54E-17	5.05159E-16	1.885E-12	5.7795E-09	1.91333E-09	5.35451E-15	7.71049E-17	2.67261E-15	1.28285E-17
385	570510.55	4178398.99	0.55, 41783	0.21834	0.16684	0.20421	112.76596	38.62084	128.93318	18.79433	5.70408	21.48886	2E-11	6.32E-09	2.18E-09	6.18E-15	1.87E-14	1.47E-14	2.25E-17	5.44E-16	3E-17	5.96738E-16	2.227E-12	6.3232E-09	2.17869E-09	6.3252E-15	9.10829E-17	3.15711E-15	1.51541E-17
386	570550.55	4178398.99	0.55, 41783	0.26039	0.20212	0.2399	127.75395	41.82578	149.79254	21.29232	6.25899	24.96542	2.41E-11	7.04E-09	2.48E-09	7.45E-15	2.25E-14	1.78E-14	2.71E-17	6.55E-16	3.62E-17	7.18808E-16	2.682E-12	7.0359E-09	2.47622E-09	7.61911E-15	1.09715E-16	3.80294E-15	1.82541E-17
387	570590.55	4178398.99	0.55, 41783	0.3185	0.25095	0.28739	144.10526	45.67081	172.10131	24.01754	7.17597	28.68355	2.98E-11	7.84E-09	2.8E-09	9.19E-15	2.78E-14	2.19E-14	3.35E-17	8.09E-16	4.47E-17	8.87007E-16	3.31E-12	7.8393E-09	2.79985E-09	9.40195E-15	1.35388E-16	4.69281E-15	2.25255E-17
388	570630.55	4178398.99	0.55, 41783	0.40291	0.32135	0.35272	177.65061	50.39519	203.06539	27.05917	8.74903	32.05961	3.79E-11	9.01E-09	3.15E-09	1.17E-14	3.53E-14	2.79E-14	4.26E-17	1.03E-15	5.68E-17	1.1285E-15	4.211E-12	9.0099E-09	3.15114E-09	1.19617E-14	1.72248E-16	5.97046E-15	2.86582E-17
389	570670.55	4178398.99	0.55, 41783	0.53348	0.4284	0.44753	224.79663	56.41372	278.51402	32.60934	10.76331	39.25369	5.02E-11	1.1E-08	3.81E-09	1.55E-14	4.68E-14	3.69E-14	5.64E-17	1.36E-15	7.52E-17	1.49466E-15	5.577E-12	1.1008E-08	3.8054E-09	1.58429E-14	2.28137E-16	7.90769E-15	3.79569E-17
390	570710.55	4178398.99	0.55, 41783	0.75271	0.60288	0.59636	297.96202	70.92072	361.49768	41.13122	14.0152	50.83456	7.02E-11	1.41E-08	4.82E-09	2.17E-14	6.54E-14	5.17E-14	7.89E-17	1.91E-15	1.05E-16	2.09125E-15	7.804E-12	1.4141E-08	4.81682E-09	2.21665E-14	3.19198E-16	1.1064E-14	5.31072E-17
391	570750.55	4178398.99	0.55, 41783	1.15447	0.90762	0.85203	416.42427	90.04322	551.74774	52.05303	22.1169	68.96847	1.05E-10	1.95E-08	6.16E-09	3.25E-14	9.82E-14	7.75E-14	1.18E-16	2.86E-15	1.58E-16	3.13735E-15	1.171E-11	1.9534E-08	6.15525E-09	3.32548E-14	4.7887E-16	1.65985E-14	7.9673E-17
392	570790.55	4178398.99	0.55, 41783	1.70092	1.35462	1.23288	632.44551	121.09647	736.15706	79.05569	31.00919	92.01963	1.57E-10	2.69E-08	9.19E-09	4.83E-14	1.46E-13	1.15E-13	1.76E-16	4.25E-15	2.35E-16	4.66095E-15	1.739E-11	2.6937E-08	9.18525E-09	4.94044E-14	7.11423E-16	2.46593E-14	1.18365E-16
393	570830.55	4178398.99	0.55, 41783	3.46088	2.976	2.05541	854.46592	185.76652	929.26678	157.19416	64.23703	133.05669	3.33E-10	3.76E-08	1.76E-08	1.03E-13	3.1E-13	2.45E-13	3.74E-16	9.03E-15	4.99E-16	9.90637E-15	3.697E-11	3.7574E-08	1.76244E-08	1.05004E-13	1.51206E-15	5.24108E-14	2.51572E-16
394	571110.55	4178398.99	0.55, 41783	4.7766	17.70794	5.53677	386.44752	237.89657	1139.86397	91.74551	117.26543	182.49582	1.73E-09	4.02E-08	1.16E-08	5.34E-13	1.61E-12	1.27E-12	1.95E-15	4.7E-14	2.6E-15	5.15644E-14	1.924E-10	4.022E-08	1.16296E-08	5.46564E-13	7.87052E-15	2.72807E-13	1.30948E-15
395	571150.55	4178398.99	0.55, 41783	4.75682	9.04164	4.75414	493.27775	194.83019	977.82769	91.47407	80.27894	179.74579	9.33E-10	3.53E-08	1.16E-08	2.88E-13	8.69E-13	6.86E-13	1.05E-15	2.53E-14	1.4E-15	2.77713E-14	1.036E-10	3.5319E-08	1.15669E-08	2.94366E-13	4.23887E-15	1.46927E-13	7.05252E-16
396	571190.55	4178398.99	0.55, 41783	4.13591	5.67532	3.9763	541.83424	159.29594	784.3481	82.25115	55.55038	130.43816	6.1E-10	3.01E-08	1E-08	1.88E-13	5.68E-13	4.49E-13	6.86E-16	1.66E-14	9.14E-16	1.81613E-14	6.777E-11	3.0103E-08	1.00011E-08	1.92503E-13	2.77204E-15	9.60843E-14	4.61205E-16
397	571230.55	4178398.99	0.55, 41783	3.34043	3.91116	3.41587	419.25179	113.41297	723.05548	67.92735	42.50701	103.29364	4.34E-10	2.39E-08	8.2E-09	1.34E-13	4.04E-13	3.19E-13	4.88E-16	1.18E-14	6.51E-16	1.29232E-14	4.822E-11	2.3885E-08	8.20269E-09	1.36981E-13	1.97253E-15	6.83718E-14	3.28185E-16
398	571270.55	4178398.99	0.55, 41783	2.69096	2.84934	2.72459	276.99568	96.24025	620.23738	46.4546	32.10306	94.16047	3.22E-10	1.95E-08	5.91E-09	9.93E-14	3E-13	2.37E-13	3.62E-16	8.74E-15	4.82E-16	9.58339E-15	3.576E-11	1.9546E-08	5.91106E-09	1.0158E-13	1.46276E-15	5.07021E-14	2.4337E-16
399	571310.55	4178398.99	0.55, 41783	2.15304	2.16763	2.23142	240.01182	84.08056	257.12386	39.08125	24.00367	52.53394	2.48E-10	1.34E-08	4.63E-09	7.65E-14	2.31E-13	1.82E-13	2.79E-16	6.73E-15	3.72E-16	7.38341E-15	2.755E-11	1.3408E-08	4.63099E-09	7.82615E-14	1.12697E-15	3.90628E-14	1.87502E-16
400	571350.55	4178398.99	0.55, 41783	1.74135	1.70512	1.85867	224.12525	73.73672	326.22415	31.06226	18.34101	44.13622	1.97E-10	1.32E-08	3.71E-09	6.08E-14	1.83E-13	1.45E-13	2.21E-16	5.35E-15	2.95E-16	5.862E-15	2.187E-11	1.3189E-08	3.71128E-09	6.21351E-14	8.94745E-16	3.10136E-14	1.48865E-16
401	571390.55	4178398.99	0.55, 41783	1.43215	1.37481	1.54866	207.21833	64.01827	312.56807	26.21992	15.02288	39.07101	1.6E-10	1.2E-08	3.16E-09	4.93E-14	1.49E-13	1.18E-13	1.79E-16	4.34E-15	2.39E-16	4.75411E-15	1.774E-11	1.1956E-08	3.15598E-09	5.03919E-14	7.25643E-16	2.51522E-14	1.20731E-16
402	571430.55	4178398.99	0.55, 41783	1.19016	1.12906	1.29293	179.9524	59.14274	244.73255	22.49405	12.88734	30.59157	1.32E-10	1.04E-08	2.67E-09	4.06E-14	1.23E-13	9.68E-14	1.48E-16	3.57E-15	1.97E-16	3.91663E-15	1.462E-11	1.0364E-08	2.67001E-09	4.15149E-14	5.97814E-16	2.07214E-14	9.94627E-17
403	571470.55	4178398.99	0.55, 41783	0.9966	0.93995	1.08271	146.8642	55.47011	170.50633	18.35802	11.23121	21.31329	1.1E-10	8.74E-09	2.13E-09	3.38E-14	1.02E-13	8.07E-14	1.23E-16	2.98E-15	1.64E-16	3.2648E-15	1.218E-11	8.7391E-09	2.13226E-09	3.46057E-14	4.98323E-16	1.72728E-14	8.29096E-17
404	571510.55	4178398.99	0.55, 41783	0.8441	0.79417	0.91453	113.63796	52.27286	111.23462	14.20474	9.85599	18.36688	9.27E-11	7.35E-09	1.67E-09	2.86E-14	8.63E-14	6.82E-14	1.04E-16	2.52E-15	1.39E-16	2.75899E-15	1.03E-11	7.3481E-09	1.67389E-09	2.92443E-14	4.21117E-16	1.45967E-14	7.00644E-17
405	571550.55	4178398.99	0.55, 41783	0.71988	0.67749	0.77601	84.04695	49.45688	81.90115	12.59546	8.65245	16.41022	7.9E-11	6.41E-09	1.49E-09	2.44E-14	7.36E-14	5.81E-14	8.88E-17	2.14E-15	1.18E-16	2.35199E-15	8.777E-12	6.4126E-09	1.48584E-09	2.49302E-14	3.58995E-16	1.24435E-14	5.97286E-17
406	571590.55	4178398.99	0.55, 41783	0.61846	0.58359	0.66441	61.25343	46.95039	82.40366	11.31778	7.65227	14.12983	6.8E-11	5.96E-09	1.33E-09	2.1E-14	6.33E-14	5E-14	7.64E-17	1.85E-15	1.02E-16	2.02396E-15	7.552E-12	5.9572E-09	1.32723E-09	2.14532E-14	3.08926E-16	1.0708E-14	5.13983E-17
407	570310.55	4178438.99	0.55, 41784	0.11265	0.08111	0.10949	78.47962	27.91467	88.7071	13.07994	3.48933	14.78452	9.94E-12	4.48E-09	1.51E-09	3.07E-15	9.26E-15	7.32E-15	1.12E-17	2.7E-16	1.49E-17	2.95988E-16	1.104E-12	4.4819E-09	1.51408E-09	3.13736E-15	4.5178E-17	1.56596E-15	7.5166E-18
408	570350.55	4178438.99	0.55, 41784	0.12585	0.09139	0.12175	84.54471	29.62734	96.42477	14.09078	3.70342	16.0708	1.12E-11	4.8E-09	1.63E-09	3.45E-15	1.04E-14	8.22E-15	1.26E-17	3.03E-16	1.67E-17	3.32556E-16	1.241E-12	4.7988E-09	1.63293E-09	3.52497E-15	5.07596E-17	1.75943E-15	8.44524E-18
409	570390.55	4178438.99	0.55, 41784	0.14252	0.10489	0.13706	91.50908	31.67143	105.54781	15.25151	4.06451	17.5913	1.28E-11	5.17E-09	1.77E-09	3.94E-15	1.19E-14	9.39E-15	1.43E-17	3.47E-16	1.91E-17	3.80074E-16	1.418E-12	5.1732E-09	1.76996E-09	4.02865E-15	5.80125E-17	2.01083E-15	9.65197E-18
410	570430.55	4178438.99	0.55, 41784	0.16313	0.12204	0.15568	99.54775	33.93845	116.15512	16.59129	4.47421	19.35919	1.48E-11	5.6E-09	1.93E-09	4.56E-15	1.38E-14	1.09E-14	1.66E-17	4.01E-16	2.21E-17	4.3995E-16	1.642E-12	5.5978E-09	1.9283E-09	4.66331E-15	6.71517E-17	2.32761E-15	1.11725E-17
411	570470.55	4178438.99	0.55, 41784	0.18858	0.14267	0.1783	108.92524	36.54882	128.38607	18.15421	4.93599	21.39768	1.72E-11	6.09E-09	2.11E-09	5.31E-15	1.6E-14	1.27E-14	1.93E-17	4.67E-16	2.58E-17	5.12261E-16	1.912E-12	6.0883E-09	2.1127E-09	5.42978E-15	7.81889E-17	2.71018E-15	1.30089E-17
412	570510.55	4178438.99	0.55, 41784	0.22167	0.16966	0.20722	120.34611	39.98702	143.34164	20.05769	5.68986	23.89027	2.04E-11	6.71E-09	2.34E-09	6.29E-15	1.9E-14	1.5E-14	2.29E-17	5.53E-16	3.05E-17	6.06545E-16	2.263E-12	6.7099E-09	2.33741E-09	6.42916E-15	9.258E-17	3.209E-15	1.54032E-17
413	570550.55	4178438.99	0.55, 41784	0.2658	0.20594	0.24496	134.27176	44.24032	161.13607	22.37863	6.83821	26.85601	2.46E-11	7.47E-09	2.61E-09	7.59E-15	2.29E-14	1.81E-14	2.77E-17	6.68E-16	3.69E-17	7.32743E-16	2.734E-12	7.4678E-09	2.61046E-09	7.76681E-15	1.11842E-16	3.87666E-15	1.8608E-17
414	570590.55	4178438.99	0.55, 41784	0.3272	0.25654	0.29583	151.91315	49.32778	182.29969	25.31886	8.30482	30.38328	3.05E-11	8.38E-09	2.95E-09	9.41E-15	2.84E-14	2.24E-14	3.43E-17	8.28E-16	4.57E-17	9.08033E-16	3.388E-12	8.3828E-09	2.95342E-09	9.62482E-15	1.38597E-16	4.80405E-15	2.30595E-17
415	570630.55	4178438.99	0.55, 41784	0.41735	0.33056	0.3671	175.42083	55.6235	213.97884	29.2368	10.21264	34.63299	3.91E-11	9.6E-09	3.4E-09	1.21E-14	3.64E-14	2.88E-14	4.39E-17	1.06E-15	5.86E-17	1.16336E-15	4.341E-12	9.6028E-09	3.40465E-09	1.23311E-14	1.77569E-16	6.15487E-15	2.95434E-17
416	570670.55	4178438.99	0.55, 41784	0.56024	0.44648	0.47194	208.37177	63.80907	268.23017	34.72863	12.75328	41.38807	5.24E-11	1.14E-08	4.05E-09	1.62E-14	4.88E-14	3.86E-14	5.89E-17	1.42E-15	7.86E-17	1.56114E-15	5.825E-12	1.1381E-08	4.04737E-09	1.65476E-14	2.38285E-16	8.25942E-15	3.96452E-17
417	570710.55	4178438.99	0.55, 41784	0.81434	0.64609	0.63688	258.28683	75.2647	339.8113	43.04781	16.40047	56.02404	7.53E-11	1.39E-08	5.08E-09	2.32E-14	7.02E-14	5.54E-14	8.47E-17	2.05E-15	1.13E-16	2.24263E-15	8.368E-12	1.3852E-08	5.07741E-09	2.37711E-14	3.42304E-16	1.18649E-14	5.69516E-17
418	570750.55	4178438.99	0.55, 41784	1.35572	1.03003	0.91926	343.9155	93.10334	457.76974	57.16949	22.25077	76.29496	1.19E-10	1.79E-08	6.77E-09	3.69E-14	1.11E-13	8.79E-14	1.34E-16	3.24E-15	1.79E-16	3.5562E-15	1.327E-11	1.7865E-08	6.76729E-09	3.76944E-14	5.428E-16	1.88145E-14	9.03095E-17
419	570790.55	4178438.99	0.55, 41784	3.18264	2.0617	1.49283	571.47263	129.70009	738.76969	95.66015	38.79176	110.20608	2.39E-10	2.71E-08	1.11E-08	7.39E-14	2.23E-13	1.76E-13	2.69E-16	6.5E-15	3.59E-16	7.12877E-15	2.66E-11	2.7129E-08	1.10999E-08	7.55624E-14	1.0881E-15	3.77156E-14	1.81035E-16
420	571070.55	4178438.99	0.55, 41784	4.74443	12.25677	5.33303	251.71558	235.3671	557.08631	48.15254	87.29167	78.37734	1.23E-09	3.11E-08	5.88E-09	3.8E-13	1.15E-12	9.07E-13	1.39E-15	3.35E-14	1.85E-15	3.67024E-14	1.37E-10	3.1142E-08	5.88079E-09	3.89032E-13	5.60207E-15	1.94179E-13	9.32057E-16
421	571110.55	4178438.99	0.55, 41784	3.89854	10.39914	4.234	292.37938	213.76959	730.76501	54.55193	96.69541	95.26587	1.04E-09	3.18E-08	6.75E-09	3.21E-13	9.7E-13	7.66E-13	1.17E-15	2.83E-14	1.56E-15	3.09902E-14	1.156E-10	3.1818E-08	6.74526E-09	3.28485E-13	4.73018E-15	1.63957E-13	7.86995E-16
422	571150.55	4178438.99	0.55, 41784	3.24566	6.14355	3.38328	299.25996	151.74182	537.6659	53.26943	58.88405	104.89405	6.36E-10	2.38E-08	6.74E-09	1.96E-13	5.92E-13	4.68E-13	7.15E-16	1.73E-14	9.53E-16	1.89323E-14	7.065E-11	2.3768E-08	6.73874E-09	2.00676E-13	2.88974E-15	1.00164E-13	4.80786E-16
423	571190.55	4178438.99	0.55, 41784	2.68652	4.20662	2.81661	319.22111	114.25705	663.08885	45.60302	42.68486	97.00809	4.47E-10	2.22E-08	5.86E-09	1.38E-13	4.16E-13	3.29E-13	5.02E-16	1.21E-14	6.69E-16	1.32958E-14	4.961E-11	2.2168E-08	5.8613E-09	1.40931E-13	2.0294E-15	7.0343E-14	3.37647E-16
424	571230.55	4178438.99	0.55, 41784	2.2851	3.10379	2.38014	355.31137	114.374	594.35462	48.25343	33.87475	78.4876	3.36E-10	2.17E-08	5.89E-09	1.04E-13	3.13E-13	2.48E-13	3.78E-16	9.14E-15	5.04E-16	1.00177E-14	3.738E-11	2.1668E-08	5.89242E-09	1.06185E-13	1.52906E-15	5.30001E-14	2.544E-16
425	571270.55	4178438.99	0.55, 41784	1.91581	2.39067	2.08735	281.61312	92.35093	457.23387	43.32371	28.45229	65.31912	2.64E-10	1.72E-08	5.22E-09	8.15E-14	2.46E-13	1.94E-13	2.97E-16	7.17E-15	3.96E-16	7.86055E-15	2.933E-11	1.7151E-08	5.22445E-09	8.3319E-14	1.19979E-15	4.15872E-14	1.99618E-16
426	571310.55	4178438.99	0.55, 41784	1.62017	1.88774	1.73959	249.98498	75.512	443.82502	38.72011	23.46838	65.04063	2.11E-10	1.51E-08	4.75E-09	6.5E-14	1.96E-13	1.55E-13	2.37E-16	5.72E-15	3.16E-16	6.27454E-15	2.341E-11	1.5122E-08	4.75466E-09	6.65079E-14	9.57714E-16	3.31962E-14	1.59342E-16
427	571350.55	4178438.99	0.55, 41784	1.36969	1.52492	1.4607	207.90528	71.02603	289.54604	31.99215	18.96422	43.80183	1.72E-10	1.23E-08	3.8E-09	5.29E-14	1.6E-13	1.26E-13	1.93E-16	4.66E-15	2.57E-16	5.10834E-15	1.906E-11	1.2306E-08	3.80117E-09	5.41465E-14	7.7971E-16	2.70263E-14	1.29726E-16
428	571390.55	4178438.99	0.55, 41784	1.16602	1.25794	1.25769	137.82846	66.02867	157.99714	21.56098	15.29437	27.7078	1.43E-10	9.45E-09	2.54E-09	4.4E-14	1.33E-13	1.05E-13	1.6E-16	3.87E-15	2.14E-16	4.24512E-15	1.584E-11	9.4473E-09	2.53856E-09	4.49968E-14	6.47954E-16	2.24593E-14	1.07805E-16
429	571430.55	4178438.99	0.55, 41784	1.00225	1.05165	1.08939	150.81052	60.59063	188.78292	19.07395	12.70811	25.02004	1.2E-10	9.48E-09	2.25E-09	3.7E-14	1.12E-13	8.83E-14	1.35E-16	3.26E-15	1.8E-16	3.57182E-15	1.333E-11	9.4798E-09	2.25226E-09	3.786E-14	5.45184E-16	1.88971E-14	9.07062E-17
430	571470.55	4178438.99	0.55, 41784	0.86528	0.88825	0.94207	153.64691	54.59461	206.40776	19.20586	10.6849	25.80097	1.02E-10	9.19E-09	2.28E-09	3.14E-14	9.48E-14	7.49E-14	1.14E-16	2.76E-15	1.53E-16	3.03094E-15	1.131E-11	9.1889E-09	2.27562E-09	3.21269E-14	4.62628E-16	1.60356E-14	7.69707E-17
431	571510.55	4178438.99	0.55, 41784	0.75493	0.76151	0.82291	144.52703	49.13224	189.90829	18.06588	9.74189	23.73854	8.76E-11	8.39E-09	2.13E-09	2.7E-14	8.16E-14	6.45E-14	9.85E-17	2.38E-15	1.31E-16	2.6083E-15	9.733E-12	8.3868E-09	2.13375E-09	2.7647E-14	3.98117E-16	1.37995E-14	6.62376E-17
432	571550.55	4178438.99	0.55, 41784	0.65913	0.65716	0.71761	127.58758	46.59598	156.05984	15.94845	8.8858	19.50748	7.58E-11	7.55E-09	1.87E-09	2.34E-14	7.06E-14	5.58E-14	8.52E-17	2.06E-15	1.14E-16	2.25606E-15	8.419E-12	7.5486E-09	1.8651E-09	2.39135E-14	3.44354E-16	1.1936E-14	5.72927E-17
433	571590.55	4178438.99	0.55, 41784	0.57626	0.57045	0.62441	106.82976	44.35137	118.44703	13.35372	8.08009	14.80588	6.58E-11	6.65E-09	1.54E-09	2.03E-14	6.13E-14	4.85E-14	7.4E-17	1.79E-15	9.87E-17	1.9602E-15	7.315E-12	6.6496E-09	1.54208E-09	2.07774E-14	2.99195E-16	1.03707E-14	4.97793E-17
434	570310.55	4178478.99	0.55, 41784	0.1113	0.08183	0.10709	74.58423	29.47815	84.27127	11.80727	4.00274	12.56763	9.96E-12	4.53E-09	1.36E-09	3.07E-15	9.28E-15	7.33E-15	1.12E-17	2.7E-16	1.49E-17	2.96611E-16	1.107E-12	4.5274E-09	1.35679E-09	3.14397E-15	4.52732E-17	1.56926E-15	7.53244E-18
435	570350.55	4178478.99	0.55, 41784	0.12561	0.09388	0.12027	80.0812	31.76761	91.05741	12.83362	4.33491	13.82729	1.14E-11	4.88E-09	1.48E-09	3.51E-15	1.06E-14	8.37E-15	1.28E-17	3.09E-16	1.7E-17	3.38667E-16	1.264E-12	4.8791E-09	1.47687E-09	3.58974E-15	5.16923E-17	1.79176E-15	8.60043E-18
436	570390.55	4178478.99	0.55, 41784	0.14146	0.10678	0.13471	86.10528	34.01158	98.86723	14.01299	4.67053	15.28263	1.29E-11	5.25E-09	1.61E-09	3.98E-15	1.2E-14	9.49E-15	1.45E-17	3.5E-16	1.93E-17	3.83976E-16	1.433E-12	5.2452E-09	1.61495E-09	4.07001E-15	5.86082E-17	2.03147E-15	9.75107E-18
437	570430.55	4178478.99	0.55, 41784	0.16075	0.12266	0.15218	93.00088	36.36689	108.11431	15.32204	5.02469	17.00047	1.48E-11	5.65E-09	1.77E-09	4.56E-15	1.38E-14	1.09E-14	1.66E-17	4.01E-16	2.21E-17	4.39569E-16	1.64E-12	5.6487E-09	1.76954E-09	4.65927E-15	6.70935E-17	2.32559E-15	1.11628E-17
438	570470.55	4178478.99	0.55, 41784	0.18644	0.14379	0.17515	101.96042	39.51551	120.09702	16.93263	5.48718	19.18544	1.72E-11	6.18E-09	1.96E-09	5.32E-15	1.61E-14	1.27E-14	1.94E-17	4.68E-16	2.58E-17	5.13442E-16	1.916E-12	6.1807E-09	1.96064E-09	5.4423E-15	7.83691E-17	2.71643E-15	1.30388E-17
439	570510.55	4178478.99	0.55, 41784	0.22079	0.17209	0.20548	113.44919	43.50567	135.70428	18.9082	6.17272	22.02345	2.06E-11	6.86E-09	2.2E-09	6.34E-15	1.92E-14	1.51E-14	2.31E-17	5.58E-16	3.08E-17	6.12199E-16	2.284E-12	6.8616E-09	2.19708E-09	6.48909E-15	9.34429E-17	3.23891E-15	1.55468E-17
440	570550.55	4178478.99	0.55, 41784	0.2667	0.21004	0.24533	127.7059	48.20733	155.63974	21.28432	7.34053	25.62853	2.5E-11	7.69E-09	2.48E-09	7.71E-15	2.33E-14	1.84E-14	2.81E-17	6.79E-16	3.75E-17	7.44271E-16	2.777E-12	7.6911E-09	2.4839E-09	7.88901E-15	1.13602E-16	3.93766E-15	1.89007E-17
441	570590.55	4178478.99	0.55, 41784	0.32931	0.26248	0.29831	144.67878	53.44745	182.17951	24.11313	8.81975	30.24215	3.11E-11	8.68E-09	2.83E-09	9.59E-15	2.9E-14	2.29E-14	3.49E-17	8.44E-16	4.66E-17	9.25722E-16	3.454E-12	8.6821E-09	2.8295E-09	9.81232E-15	1.41297E-16	4.89764E-15	2.35087E-17
442	570630.55	4178478.99	0.55, 41784	0.42133	0.33962	0.37314	165.95931	60.05375	219.0797	27.65989	10.77683	36.51328	4E-11	9.97E-09	3.27E-09	1.23E-14	3.73E-14	2.94E-14	4.5E-17	1.09E-15	6E-17	1.19143E-15	4.446E-12	9.9744E-09	3.26904E-09	1.26287E-14	1.81854E-16	6.3034E-15	3.02563E-17
443	570670.55	4178478.99	0.55, 41784	0.56746	0.46145	0.48445	193.36004	69.0612	272.47405	32.22667	13.5092	45.41234	5.4E-11	1.18E-08	3.85E-09	1.67E-14	5.03E-14	3.98E-14	6.07E-17	1.47E-15	8.1E-17	1.60869E-15	6.003E-12	1.1759E-08	3.84555E-09	1.70516E-14	2.45543E-16	8.51099E-15	4.08528E-17
444	570710.55	4178478.99	0.55, 41784	0.83023	0.67528	0.66195	236.53606	81.84268	352.22256	39.07222	17.68943	58.70376	7.85E-11	1.44E-08	4.71E-09	2.42E-14	7.31E-14	5.77E-14	8.82E-17	2.13E-15	1.18E-16	2.33616E-15	8.717E-12	1.4387E-08	4.70912E-09	2.47625E-14	3.56579E-16	1.23597E-14	5.93267E-17
445	570750.55	4178478.99	0.55, 41784	1.42426	1.12918	0.97629	342.03514	102.90165	482.1747	49.67165	25.1054	80.36245	1.3E-10	1.91E-08	6.06E-09	4.01E-14	1.21E-13	9.56E-14	1.46E-16	3.53E-15	1.95E-16	3.8676E-15	1.443E-11	1.905E-08	6.06007E-09	4.09952E-14	5.90331E-16	2.0462E-14	9.82176E-17
446	570790.55	4178478.99	0.55, 41784	3.63047	2.75084	1.62936	596.75244	187.47347	722.34167	107.7468	51.23422	120.39028	3.08E-10	3.24E-08	1.25E-08	9.52E-14	2.87E-13	2.27E-13	3.47E-16	8.38E-15	4.62E-16	9.18533E-15	3.428E-11	3.2436E-08	1.24544E-08	9.73612E-14	1.402E-15	4.85961E-14	2.33261E-16
447	571030.55	4178478.99	0.55, 41784	9.40071	15.68167	11.18665	333.68631	267.08575	756.18793	81.11776	110.69164	178.64972	1.67E-09	3.74E-08	1.05E-08	5.14E-13	1.55E-12	1.23E-12	1.87E-15	4.53E-14	2.5E-15	4.96394E-14	1.852E-10	3.742E-08	1.0504E-08	5.26159E-13	7.57669E-15	2.62623E-13	1.26059E-15
448	571070.55	4178478.99	0.55, 41784	5.59712	9.0131	6.53916	216.22006	204.77885	522.16381	54.58514	76.29745	101.00005	9.62E-10	2.75E-08	6.82E-09	2.97E-13	8.96E-13	7.08E-13	1.08E-15	2.61E-14	1.44E-15	2.86314E-14	1.068E-10	2.7546E-08	6.8221E-09	3.03483E-13	4.37015E-15	1.51478E-13	7.27095E-16
449	571110.55	4178478.99	0.55, 41784	3.86033	5.8724	4.45436	232.77263	158.88759	526.3096	40.87392	60.11848	68.10823	6.31E-10	2.36E-08	5.01E-09	1.95E-13	5.88E-13	4.65E-13	7.1E-16	1.71E-14	9.46E-16	1.87937E-14	7.013E-11	2.3592E-08	5.01209E-09	1.99206E-13	2.86857E-15	9.94302E-14	4.77265E-16
450	571150.55	4178478.99	0.55, 41784	2.87873	4.17215	3.24074	243.47288	131.88403	510.79766	36.94401	47.80365	68.59206	4.51E-10	2.1E-08	4.62E-09	1.39E-13	4.2E-13	3.32E-13	5.07E-16	1.22E-14	6.76E-16	1.34229E-14	5.009E-11	2.1045E-08	4.62029E-09	1.42277E-13	2.0488E-15	7.10152E-14	3.40873E-16
451	571190.55	4178478.99	0.55, 41784	2.25924	3.11768	2.54212	272.99859	103.34976	495.79992	40.61499	35.56429	82.63332	3.4E-10	1.86E-08	5.17E-09	1.05E-13	3.16E-13	2.5E-13	3.82E-16	9.22E-15	5.09E-16	1.01093E-14	3.772E-11	1.8558E-08	5.17197E-09	1.07155E-13	1.54303E-15	5.34844E-14	2.56725E-16
452	571230.55	4178478.99	0.55, 41784	1.86428	2.43731	2.04705	228.60917	88.43023	428.91859	34.9281	28.65964	53.61482	2.67E-10	1.59E-08	4.22E-09	8.24E-14	2.49E-13	1.97E-13	3E-16	7.26E-15	4E-16	7.95586E-15	2.969E-11	1.5888E-08	4.22423E-09	8.43292E-14	1.21434E-15	4.20914E-14	2.02039E-16
453	571270.55	4178478.99	0.55, 41784	1.58233	1.95726	1.72288	275.18297	89.4878	451.79055	39.56066	24.38596	62.99097	2.16E-10	1.68E-08	4.81E-09	6.68E-14	2.02E-13	1.59E-13	2.43E-16	5.88E-15	3.24E-16	6.44504E-15	2.405E-11	1.6755E-08	4.81352E-09	6.83151E-14	9.83738E-16	3.40983E-14	1.63672E-16
454	571310.55	4178478.99	0.55, 41784	1.35793	1.6065	1.5101	222.77943	77.47813	328.49847	32.82803	21.05024	46.46168	1.79E-10	1.35E-08	3.92E-09	5.54E-14	1.67E-13	1.32E-13	2.02E-16	4.87E-15	2.69E-16	5.3447E-15	1.994E-11	1.3545E-08	3.9199E-09	5.66519E-14	8.15788E-16	2.82768E-14	1.35729E-16
455	571350.55	4178478.99	0.55, 41784	1.1642	1.33076	1.27594	210.30644	64.61424	297.95893	30.9494	18.13628	42.55235	1.49E-10	1.19E-08	3.68E-09	4.61E-14	1.39E-13	1.1E-13	1.68E-16	4.06E-15	2.24E-16	4.4489E-15	1.66E-11	1.1855E-08	3.67956E-09	4.71567E-14	6.79056E-16	2.35374E-14	1.1298E-16
456	571390.55	4178478.99	0.55, 41784	1.001	1.11694	1.07653	187.8278	60.73144	278.37154	27.7002	15.35336	39.86006	1.26E-10	1.1E-08	3.32E-09	3.88E-14	1.17E-13	9.25E-14	1.41E-16	3.41E-15	1.88E-16	3.74349E-15	1.397E-11	1.102E-08	3.316E-09	3.96796E-14	5.71387E-16	1.98054E-14	9.50658E-17
457	571430.55	4178478.99	0.55, 41784	0.8626	0.94616	0.9271	141.00765	57.76687	153.44465	20.99683	12.7525	23.01436	1.07E-10	8.67E-09	2.42E-09	3.3E-14	9.95E-14	7.86E-14	1.2E-16	2.9E-15	1.6E-16	3.18137E-15	1.187E-11	8.6695E-09	2.42129E-09	3.37214E-14	4.85588E-16	1.68314E-14	8.07908E-17
458	571470.55	4178478.99	0.55, 41784	0.75511	0.81334	0.81471	85.41876	54.87579	110.14274	13.60469	11.10539	17.11986	9.22E-11	7.28E-09	1.6E-09	2.85E-14	8.59E-14	6.79E-14	1.04E-16	2.5E-15	1.38E-16	2.7457E-15	1.025E-11	7.2817E-09	1.59714E-09	2.91034E-14	4.19089E-16	1.45264E-14	6.9727E-17
459	571510.55	4178478.99	0.55, 41784	0.666	0.70453	0.71826	104.54177	51.61661	121.24791	13.06772	9.4895	15.99878	8.02E-11	7.32E-09	1.53E-09	2.47E-14	7.47E-14	5.9E-14	9.01E-17	2.18E-15	1.2E-16	2.3868E-15	8.906E-12	7.3234E-09	1.5284E-09	2.52992E-14	3.64308E-16	1.26276E-14	6.06126E-17
460	571550.55	4178478.99	0.55, 41784	0.58993	0.61436	0.63446	114.23468	47.78612	141.81512	14.27934	8.47335	17.72689	7.01E-11	7.34E-09	1.67E-09	2.16E-14	6.53E-14	5.16E-14	7.88E-17	1.9E-15	1.05E-16	2.08722E-15	7.789E-12	7.3376E-09	1.67324E-09	2.21238E-14	3.18582E-16	1.10427E-14	5.30048E-17
461	571590.55	4178478.99	0.55, 41784	0.5248	0.5396	0.56365	114.71837	43.31659	143.69009	14.3398	7.89274	17.96126	6.17E-11	6.96E-09	1.68E-09	1.9E-14	5.75E-14	4.54E-14	6.94E-17	1.68E-15	9.25E-17	1.8377E-15	6.857E-12	6.9597E-09	1.68237E-09	1.9479E-14	2.80497E-16	9.72258E-15	4.66684E-17
462	570310.55	4178518.99	0.55, 41785	0.10968	0.08323	0.10459	75.92481	30.95134	85.20389	12.65413	4.31611	14.20065	1E-11	4.69E-09	1.46E-09	3.1E-15	9.35E-15	7.39E-15	1.13E-17	2.73E-16	1.5E-17	2.98958E-16	1.116E-12	4.6872E-09	1.46347E-09	3.16884E-15	4.56313E-17	1.58167E-15	7.59202E-18
463	570350.55	4178518.99	0.55, 41785	0.12253	0.09413	0.11632	80.98331	32.52203	91.70345	13.49722	4.56123	15.28391	1.13E-11	4.97E-09	1.56E-09	3.49E-15	1.05E-14	8.33E-15	1.27E-17	3.07E-16	1.7E-17	3.36897E-16	1.257E-12	4.9653E-09	1.56274E-09	3.57099E-15	5.14222E-17	1.78239E-15	8.55549E-18
464	570390.55	4178518.99	0.55, 41785	0.13706	0.10653	0.12954	86.4192	34.09518	99.00991	14.4032	4.78567	16.50165	1.28E-11	5.26E-09	1.67E-09	3.94E-15	1.19E-14	9.39E-15	1.43E-17	3.47E-16	1.91E-17	3.79983E-16	1.418E-12	5.2578E-09	1.67009E-09	4.02769E-15	5.79987E-17	2.01035E-15	9.64967E-18
465	570430.55	4178518.99	0.55, 41785	0.15657	0.12308	0.14711	93.48729	36.56809	108.68156	15.58121	5.11226	18.11359	1.47E-11	5.68E-09	1.81E-09	4.53E-15	1.37E-14	1.08E-14	1.65E-17	3.99E-16	2.2E-17	4.37497E-16	1.633E-12	5.6793E-09	1.81004E-09	4.63731E-15	6.67773E-17	2.31463E-15	1.11102E-17
466	570470.55	4178518.99	0.55, 41785	0.18113	0.14422	0.16907	101.65142	39.2669	120.52836	16.9419	5.47129	20.08806	1.72E-11	6.16E-09	1.97E-09	5.29E-15	1.6E-14	1.26E-14	1.93E-17	4.66E-16	2.57E-17	5.10667E-16	1.906E-12	6.1604E-09	1.97314E-09	5.41289E-15	7.79456E-17	2.70174E-15	1.29684E-17
467	570510.55	4178518.99	0.55, 41785	0.21556	0.17373	0.19928	112.42418	43.21366	137.68321	18.73736	6.23491	22.9472	2.06E-11	6.85E-09	2.19E-09	6.35E-15	1.92E-14	1.51E-14	2.31E-17	5.59E-16	3.08E-17	6.12682E-16	2.286E-12	6.8499E-09	2.19161E-09	6.49421E-15	9.35167E-17	3.24147E-15	1.55591E-17
468	570550.55	4178518.99	0.55, 41785	0.26244	0.21401	0.23948	127.39838	48.06291	159.66591	20.89373	7.26318	26.61098	2.52E-11	7.73E-09	2.46E-09	7.79E-15	2.35E-14	1.86E-14	2.84E-17	6.85E-16	3.78E-17	7.51499E-16	2.804E-12	7.7264E-09	2.45693E-09	7.96562E-15	1.14705E-16	3.9759E-15	1.90843E-17
469	570590.55	4178518.99	0.55, 41785	0.32438	0.26815	0.29055	146.74921	52.55391	186.84388	23.05175	8.49659	31.14065	3.15E-11	8.68E-09	2.73E-09	9.71E-15	2.93E-14	2.32E-14	3.54E-17	8.54E-16	4.71E-17	9.36624E-16	3.495E-12	8.6818E-09	2.73352E-09	9.92788E-15	1.42961E-16	4.95532E-15	2.37855E-17
470	570630.55	4178518.99	0.55, 41785	0.41604	0.34788	0.36203	170.82398	60.03664	221.85088	25.41079	10.076	36.97515	4.06E-11	1.01E-08	3.05E-09	1.25E-14	3.78E-14	2.99E-14	4.56E-17	1.1E-15	6.08E-17	1.20796E-15	4.508E-12	1.0058E-08	3.04719E-09	1.2804E-14	1.84377E-16	6.39088E-15	3.06762E-17
471	570670.55	4178518.99	0.55, 41785	0.56352	0.47347	0.46761	210.6175	71.54419	266.74609	27.95974	12.2085	44.45768	5.49E-11	1.21E-08	3.4E-09	1.69E-14	5.11E-14	4.04E-14	6.17E-17	1.49E-15	8.22E-17	1.63365E-15	6.096E-12	1.2089E-08	3.4012E-09	1.73161E-14	2.49351E-16	8.643E-15	4.14864E-17
472	570710.55	4178518.99	0.55, 41785	0.82936	0.69158	0.6351	257.30872	94.91316	337.8148	32.16359	16.3308	53.60133	7.96E-11	1.56E-08	3.94E-09	2.46E-14	7.42E-14	5.86E-14	8.95E-17	2.16E-15	1.19E-16	2.36983E-15	8.843E-12	1.5605E-08	3.94409E-09	2.51193E-14	3.61718E-16	1.25379E-14	6.01817E-17
473	570750.55	4178518.99	0.55, 41785	1.36529	1.13262	0.93188	327.60111	130.96882	473.41526	45.80096	29.91109	62.68561	1.29E-10	2.13E-08	5.44E-09	3.98E-14	1.2E-13	9.5E-14	1.45E-16	3.5E-15	1.93E-16	3.84198E-15	1.434E-11	2.1345E-08	5.44158E-09	4.07237E-14	5.86421E-16	2.03265E-14	9.75671E-17
474	570790.55	4178518.99	0.55, 41785	2.09469	1.90095	1.39228	339.24086	174.34023	730.67406	59.4987	49.70987	91.33426	2.12E-10	2.87E-08	7.2E-09	6.55E-14	1.98E-13	1.56E-13	2.39E-16	5.77E-15	3.18E-16	6.32267E-15	2.359E-11	2.8708E-08	7.19587E-09	6.7018E-14	9.6506E-16	3.34508E-14	1.60564E-16
475	570990.55	4178518.99	0.55, 41785	30.9381	16.28557	11.79039	1645.60932	278.46944	1244.70182	444.29015	131.46412	279.7997	1.95E-09	5.82E-08	4.86E-08	6.02E-13	1.82E-12	1.44E-12	2.19E-15	5.3E-14	2.92E-15	5.80799E-14	2.167E-10	5.8163E-08	4.85797E-08	6.15626E-13	8.86501E-15	3.07278E-13	1.47494E-15
476	571030.55	4178518.99	0.55, 41785	10.39533	8.05295	7.62595	575.07494	188.36146	999.69988	130.51881	75.45666	173.23921	9.37E-10	3.58E-08	1.54E-08	2.89E-13	8.73E-13	6.9E-13	1.05E-15	2.54E-14	1.4E-15	2.79082E-14	1.041E-10	3.5849E-08	1.54377E-08	2.95817E-13	4.25976E-15	1.47652E-13	7.08728E-16
477	571070.55	4178518.99	0.55, 41785	5.62777	5.38206	5.21191	327.13066	151.27996	542.64793	61.45445	56.79768	91.26612	6.14E-10	2.41E-08	7.39E-09	1.9E-13	5.72E-13	4.52E-13	6.91E-16	1.67E-14	9.21E-16	1.82932E-14	6.826E-11	2.4076E-08	7.39306E-09	1.93901E-13	2.79217E-15	9.67821E-14	4.64554E-16
478	571110.55	4178518.99	0.55, 41785	3.70135	3.92679	3.70614	194.51307	130.68512	402.95521	41.68788	44.49195	69.09918	4.43E-10	1.91E-08	5.11E-09	1.37E-13	4.13E-13	3.26E-13	4.98E-16	1.2E-14	6.64E-16	1.31865E-14	4.921E-11	1.9052E-08	5.10721E-09	1.39772E-13	2.01272E-15	6.97646E-14	3.3487E-16
479	571150.55	4178518.99	0.55, 41785	2.69329	3.00723	2.77155	208.02281	103.35418	440.08145	30.40761	37.50867	55.01018	3.37E-10	1.72E-08	3.78E-09	1.04E-13	3.14E-13	2.48E-13	3.79E-16	9.15E-15	5.05E-16	1.003E-14	3.743E-11	1.7179E-08	3.78431E-09	1.06314E-13	1.53092E-15	5.30646E-14	2.5471E-16
480	571190.55	4178518.99	0.55, 41785	2.08526	2.38411	2.19601	205.94825	100.14217	330.97092	32.90062	31.32752	44.74048	2.67E-10	1.55E-08	3.91E-09	8.22E-14	2.48E-13	1.96E-13	3E-16	7.24E-15	3.99E-16	7.93594E-15	2.961E-11	1.5467E-08	3.9052E-09	8.41182E-14	1.2113E-15	4.19861E-14	2.01533E-16
481	571230.55	4178518.99	0.55, 41785	1.66362	1.91731	1.76389	215.41751	83.66277	360.55042	30.77393	25.17962	52.13444	2.14E-10	1.44E-08	3.78E-09	6.61E-14	2E-13	1.58E-13	2.41E-16	5.82E-15	3.21E-16	6.37722E-15	2.38E-11	1.4443E-08	3.78456E-09	6.75962E-14	9.73386E-16	3.37394E-14	1.61949E-16
482	571270.55	4178518.99	0.55, 41785	1.38104	1.58176	1.44385	194.90891	74.63088	227.07234	31.16799	21.56574	34.54332	1.77E-10	1.17E-08	3.6E-09	5.45E-14	1.65E-13	1.3E-13	1.99E-16	4.8E-15	2.65E-16	5.25943E-15	1.963E-11	1.17E-08	3.59908E-09	5.5748E-14	8.02772E-16	2.78256E-14	1.33563E-16
483	571310.55	4178518.99	0.55, 41785	1.18628	1.33473	1.24995	227.7435	74.01926	353.91479	34.0231	18.88588	51.12416	1.5E-10	1.36E-08	4.1E-09	4.62E-14	1.39E-13	1.1E-13	1.68E-16	4.06E-15	2.24E-16	4.45648E-15	1.663E-11	1.3606E-08	4.10067E-09	4.72371E-14	6.80214E-16	2.35775E-14	1.13172E-16
484	571350.55	4178518.99	0.55, 41785	1.02794	1.1349	1.10387	186.21806	66.32591	255.87469	28.09378	16.3212	37.6065	1.28E-10	1.12E-08	3.33E-09	3.95E-14	1.19E-13	9.42E-14	1.44E-16	3.48E-15	1.92E-16	3.81082E-15	1.422E-11	1.1224E-08	3.32699E-09	4.03933E-14	5.81664E-16	2.01616E-14	9.67756E-17
485	571390.55	4178518.99	0.55, 41785	0.88898	0.96986	0.94947	165.64096	58.31983	230.86073	23.55305	14.40747	29.95608	1.1E-10	9.96E-09	2.77E-09	3.38E-14	1.02E-13	8.06E-14	1.23E-16	2.97E-15	1.64E-16	3.26219E-15	1.217E-11	9.9642E-09	2.76911E-09	3.4578E-14	4.97924E-16	1.7259E-14	8.28432E-17
486	571430.55	4178518.99	0.55, 41785	0.7696	0.83467	0.8102	166.81635	54.79876	235.11797	23.72844	12.50769	32.6638	9.42E-11	9.71E-09	2.82E-09	2.91E-14	8.78E-14	6.94E-14	1.06E-16	2.56E-15	1.41E-16	2.80621E-15	1.047E-11	9.7103E-09	2.82157E-09	2.97448E-14	4.28326E-16	1.48466E-14	7.12637E-17
487	571470.55	4178518.99	0.55, 41785	0.67066	0.72494	0.7032	138.40145	51.97552	171.46902	19.82816	10.73341	24.30543	8.19E-11	8.35E-09	2.32E-09	2.53E-14	7.63E-14	6.03E-14	9.2E-17	2.22E-15	1.23E-16	2.43779E-15	9.097E-12	8.3466E-09	2.31948E-09	2.58397E-14	3.72092E-16	1.28974E-14	6.19076E-17
488	571510.55	4178518.99	0.55, 41785	0.58987	0.63439	0.62004	93.94363	49.66848	89.41667	13.736	9.50533	13.29785	7.17E-11	6.63E-09	1.56E-09	2.21E-14	6.68E-14	5.28E-14	8.06E-17	1.95E-15	1.08E-16	2.13599E-15	7.971E-12	6.6296E-09	1.56147E-09	2.26407E-14	3.26026E-16	1.13007E-14	5.42433E-17
489	571550.55	4178518.99	0.55, 41785	0.52422	0.55926	0.55249	64.7066	47.53612	82.72316	9.81761	8.44297	11.85775	6.34E-11	6.05E-09	1.15E-09	1.96E-14	5.9E-14	4.66E-14	7.12E-17	1.72E-15	9.5E-17	1.88655E-15	7.04E-12	6.05E-09	1.14619E-09	1.99968E-14	2.87953E-16	9.98103E-15	4.79089E-17
490	571590.55	4178518.99	0.55, 41785	0.47148	0.49721	0.49682	75.39988	45.27823	83.60413	9.54319	7.49343	11.2302	5.65E-11	5.97E-09	1.11E-09	1.74E-14	5.26E-14	4.16E-14	6.35E-17	1.53E-15	8.46E-17	1.68104E-15	6.273E-12	5.9654E-09	1.11036E-09	1.78184E-14	2.56585E-16	8.89375E-15	4.269E-17
491	570310.55	4178558.99	0.55, 41785	0.10731	0.08405	0.10201	76.80272	30.54078	89.48595	12.80045	4.19275	14.91432	1.01E-11	4.71E-09	1.49E-09	3.1E-15	9.37E-15	7.4E-15	1.13E-17	2.73E-16	1.51E-17	2.99472E-16	1.117E-12	4.7137E-09	1.48744E-09	3.1743E-15	4.57099E-17	1.58439E-15	7.60509E-18
492	570350.55	4178558.99	0.55, 41785	0.11907	0.09438	0.11262	82.9813	31.5625	94.82328	13.39224	4.31782	15.80388	1.13E-11	4.94E-09	1.56E-09	3.47E-15	1.05E-14	8.28E-15	1.27E-17	3.06E-16	1.69E-17	3.35107E-16	1.25E-12	4.9384E-09	1.55877E-09	3.55201E-15	5.1149E-17	1.77292E-15	8.51004E-18
493	570390.55	4178558.99	0.55, 41785	0.1339	0.10748	0.12591	90.55746	32.83588	101.05325	14.07263	4.47793	16.84221	1.28E-11	5.21E-09	1.64E-09	3.94E-15	1.19E-14	9.4E-15	1.44E-17	3.47E-16	1.91E-17	3.80209E-16	1.419E-12	5.2118E-09	1.64098E-09	4.03008E-15	5.80331E-17	2.01154E-15	9.65539E-18
494	570430.55	4178558.99	0.55, 41785	0.15297	0.12443	0.14282	99.07784	34.42492	111.25467	14.88754	4.68196	18.0897	1.47E-11	5.57E-09	1.74E-09	4.54E-15	1.37E-14	1.08E-14	1.66E-17	4E-16	2.21E-17	4.3842E-16	1.636E-12	5.5745E-09	1.73949E-09	4.6471E-15	6.69182E-17	2.31952E-15	1.11337E-17
495	570470.55	4178558.99	0.55, 41785	0.17711	0.14611	0.16369	108.3811	37.13833	125.77833	15.68816	5.10948	19.33096	1.72E-11	6.1E-09	1.84E-09	5.31E-15	1.6E-14	1.27E-14	1.93E-17	4.67E-16	2.58E-17	5.1251E-16	1.912E-12	6.1029E-09	1.83647E-09	5.43242E-15	7.82269E-17	2.7115E-15	1.30152E-17
496	570510.55	4178558.99	0.55, 41785	0.21022	0.1758	0.19176	119.02071	41.74654	144.28309	16.67371	5.7123	20.76073	2.06E-11	6.87E-09	1.95E-09	6.36E-15	1.92E-14	1.52E-14	2.32E-17	5.6E-16	3.09E-17	6.13794E-16	2.29E-12	6.8685E-09	1.9546E-09	6.506E-15	9.36863E-17	3.24735E-15	1.55873E-17
497	570550.55	4178558.99	0.55, 41785	0.25686	0.21737	0.22998	138.81712	48.97119	169.0217	17.78034	6.5378	22.20322	2.54E-11	8.05E-09	2.09E-09	7.83E-15	2.36E-14	1.87E-14	2.85E-17	6.89E-16	3.8E-17	7.55278E-16	2.818E-12	8.046E-09	2.08516E-09	8.00568E-15	1.15282E-16	3.99589E-15	1.91803E-17
498	570590.55	4178558.99	0.55, 41785	0.31921	0.27311	0.27901	158.95656	55.69599	196.40207	19.86957	7.90259	24.55026	3.17E-11	9.22E-09	2.33E-09	9.78E-15	2.95E-14	2.33E-14	3.56E-17	8.61E-16	4.75E-17	9.44087E-16	3.523E-12	9.2154E-09	2.32681E-09	1.0007E-14	1.44101E-16	4.9948E-15	2.39751E-17
499	570630.55	4178558.99	0.55, 41785	0.41072	0.35398	0.34795	180.38278	65.18573	228.48167	22.54785	9.64997	28.56021	4.09E-11	1.07E-08	2.65E-09	1.26E-14	3.81E-14	3.01E-14	4.6E-17	1.11E-15	6.13E-17	1.2175E-15	4.543E-12	1.071E-08	2.64943E-09	1.29051E-14	1.85833E-16	6.44134E-15	3.09184E-17
500	570670.55	4178558.99	0.55, 41785	0.55178	0.47716	0.45068	218.05495	85.23197	290.43238	27.25687	14.02323	36.30405	5.49E-11	1.37E-08	3.23E-09	1.69E-14	5.11E-14	4.04E-14	6.17E-17	1.49E-15	8.22E-17	1.6336E-15	6.096E-12	1.3714E-08	3.22555E-09	1.73156E-14	2.49345E-16	8.64278E-15	4.14853E-17
501	570710.55	4178558.99	0.55, 41785	0.78132	0.6809	0.62169	244.71244	105.12049	355.26836	32.595	21.74638	44.40855	7.8E-11	1.66E-08	3.87E-09	2.41E-14	7.26E-14	5.74E-14	8.76E-17	2.12E-15	1.17E-16	2.3211E-15	8.661E-12	1.6629E-08	3.87E-09	2.46029E-14	3.54281E-16	1.22801E-14	5.89444E-17
502	570750.55	4178558.99	0.55, 41785	1.13763	1.02831	0.92752	276.33124	124.7524	514.56755	39.47589	32.46528	64.32094	1.17E-10	2.08E-08	4.82E-09	3.61E-14	1.09E-13	8.62E-14	1.32E-16	3.18E-15	1.76E-16	3.48812E-15	1.302E-11	2.0781E-08	4.82198E-09	3.69729E-14	5.32409E-16	1.84543E-14	8.85808E-17
503	570790.55	4178558.99	0.55, 41785	1.48115	1.46435	1.34156	285.306	157.20995	776.24295	43.19026	42.97795	97.64972	1.66E-10	2.72E-08	5.63E-09	5.11E-14	1.54E-13	1.22E-13	1.86E-16	4.5E-15	2.48E-16	4.93274E-15	1.841E-11	2.718E-08	5.62517E-09	5.22852E-14	7.52908E-16	2.60972E-14	1.25267E-16
504	570830.55	4178558.99	0.55, 41785	2.67811	2.99292	2.3948	342.02881	178.80856	871.65336	66.23843	64.34565	121.28657	3.31E-10	3.09E-08	8.26E-09	1.02E-13	3.08E-13	2.43E-13	3.72E-16	8.98E-15	4.95E-16	9.8428E-15	3.673E-11	3.095E-08	8.26219E-09	1.0433E-13	1.50235E-15	5.20745E-14	2.49958E-16
505	570950.55	4178558.99	0.55, 41785	26.55575	12.00196	5.05287	679.01352	318.67052	1487.06516	280.37281	116.3834	245.48668	1.43E-09	5.5E-08	3.15E-08	4.41E-13	1.33E-12	1.05E-12	1.61E-15	3.88E-14	2.14E-15	4.25619E-14	1.588E-10	5.502E-08	3.15396E-08	4.51141E-13	6.49643E-15	2.25179E-13	1.08086E-15
506	570990.55	4178558.99	0.55, 41785	10.52141	6.96087	4.44153	639.29991	205.65266	1371.63359	133.52138	75.6432	174.17097	7.98E-10	4.28E-08	1.58E-08	2.46E-13	7.44E-13	5.88E-13	8.97E-16	2.17E-14	1.2E-15	2.37719E-14	8.871E-11	4.2846E-08	1.57537E-08	2.51974E-13	3.62842E-15	1.25768E-13	6.03687E-16
507	571030.55	4178558.99	0.55, 41785	6.12086	4.69941	3.63304	562.31532	143.87555	907.33173	97.52112	53.65332	135.00156	5.37E-10	3.05E-08	1.16E-08	1.66E-13	5E-13	3.95E-13	6.04E-16	1.46E-14	8.05E-16	1.59911E-14	5.967E-11	3.0485E-08	1.1606E-08	1.695E-13	2.4408E-15	8.46028E-14	4.06093E-16
508	571070.55	4178558.99	0.55, 41785	4.00501	3.46908	2.98955	291.75499	122.4909	364.39166	69.10596	41.80504	75.82917	3.95E-10	1.88E-08	7.97E-09	1.22E-13	3.68E-13	2.91E-13	4.44E-16	1.07E-14	5.92E-16	1.17652E-14	4.39E-11	1.8809E-08	7.97016E-09	1.24707E-13	1.79578E-15	6.22454E-14	2.98778E-16
509	571110.55	4178558.99	0.55, 41785	2.89394	2.70355	2.4438	288.47324	105.99812	437.78623	48.03981	36.46899	59.71453	3.07E-10	1.82E-08	5.63E-09	9.48E-14	2.86E-13	2.26E-13	3.45E-16	8.34E-15	4.6E-16	9.14308E-15	3.412E-11	1.8214E-08	5.63025E-09	9.69134E-14	1.39555E-15	4.83726E-14	2.32188E-16
510	571150.55	4178558.99	0.55, 41785	2.21115	2.17534	2.01472	240.56187	97.79178	377.92847	31.90722	30.3701	47.66793	2.46E-10	1.62E-08	3.84E-09	7.61E-14	2.3E-13	1.81E-13	2.77E-16	6.69E-15	3.69E-16	7.33937E-15	2.739E-11	1.6209E-08	3.8421E-09	7.77947E-14	1.12024E-15	3.88298E-14	1.86383E-16
511	571190.55	4178558.99	0.55, 41785	1.76303	1.79806	1.6955	177.14345	83.63267	264.27885	24.55859	26.34777	34.50528	2.03E-10	1.28E-08	2.93E-09	6.28E-14	1.9E-13	1.5E-13	2.29E-16	5.52E-15	3.05E-16	6.05826E-15	2.261E-11	1.2814E-08	2.92923E-09	6.42154E-14	9.24702E-16	3.2052E-14	1.53849E-16
512	571230.55	4178558.99	0.55, 41785	1.44054	1.50665	1.43503	192.87207	80.98435	306.26039	29.09943	22.26218	51.0434	1.7E-10	1.33E-08	3.6E-09	5.25E-14	1.59E-13	1.25E-13	1.91E-16	4.62E-15	2.55E-16	5.07065E-15	1.892E-11	1.3272E-08	3.601E-09	5.37471E-14	7.73958E-16	2.68269E-14	1.28769E-16
513	571270.55	4178558.99	0.55, 41785	1.19178	1.27042	1.20125	167.21575	71.42327	283.3883	22.32638	19.23301	35.42354	1.43E-10	1.18E-08	2.71E-09	4.42E-14	1.33E-13	1.05E-13	1.61E-16	3.89E-15	2.15E-16	4.26528E-15	1.592E-11	1.1846E-08	2.71494E-09	4.52104E-14	6.5103E-16	2.2566E-14	1.08317E-16
514	571310.55	4178558.99	0.55, 41785	1.01245	1.08581	1.02025	169.23295	65.49002	155.67948	26.6418	16.91234	25.18935	1.22E-10	9.69E-09	3.02E-09	3.77E-14	1.14E-13	9E-14	1.37E-16	3.32E-15	1.83E-16	3.64114E-15	1.359E-11	9.6904E-09	3.02085E-09	3.85948E-14	5.55765E-16	1.92639E-14	9.24666E-17
515	571350.55	4178558.99	0.55, 41785	0.8838	0.94242	0.90608	194.09519	63.64749	285.0024	28.90026	14.99354	40.61241	1.06E-10	1.14E-08	3.45E-09	3.28E-14	9.92E-14	7.83E-14	1.2E-16	2.89E-15	1.6E-16	3.16968E-15	1.183E-11	1.1435E-08	3.44718E-09	3.35975E-14	4.83804E-16	1.67696E-14	8.0494E-17
516	571390.55	4178558.99	0.55, 41785	0.78025	0.82372	0.8159	158.10154	57.98385	206.74246	23.81897	12.89204	30.22211	9.34E-11	9.55E-09	2.8E-09	2.88E-14	8.71E-14	6.88E-14	1.05E-16	2.54E-15	1.4E-16	2.78196E-15	1.038E-11	9.5474E-09	2.79945E-09	2.94878E-14	4.24624E-16	1.47183E-14	7.06478E-17
517	571430.55	4178558.99	0.55, 41785	0.68512	0.72115	0.71821	137.68904	52.2569	180.06144	18.93914	11.62385	25.68604	8.19E-11	8.47E-09	2.25E-09	2.53E-14	7.63E-14	6.03E-14	9.2E-17	2.22E-15	1.23E-16	2.43766E-15	9.096E-12	8.475E-09	2.24714E-09	2.58383E-14	3.72071E-16	1.28967E-14	6.19042E-17
518	571470.55	4178558.99	0.55, 41785	0.60049	0.63425	0.62389	143.56241	49.93475	187.32246	19.90478	10.29716	25.60594	7.19E-11	8.42E-09	2.34E-09	2.22E-14	6.7E-14	5.29E-14	8.08E-17	1.95E-15	1.08E-16	2.14032E-15	7.987E-12	8.4169E-09	2.3439E-09	2.26866E-14	3.26687E-16	1.13236E-14	5.43533E-17
519	571510.55	4178558.99	0.55, 41785	0.52736	0.56045	0.5447	131.02036	47.72087	167.66109	18.26486	8.99798	23.11602	6.34E-11	7.83E-09	2.15E-09	1.96E-14	5.91E-14	4.67E-14	7.13E-17	1.72E-15	9.5E-17	1.88776E-15	7.044E-12	7.8349E-09	2.14592E-09	2.00096E-14	2.88138E-16	9.98744E-15	4.79397E-17
520	571550.55	4178558.99	0.55, 41785	0.46874	0.49944	0.48529	99.50634	45.73793	109.0385	14.05158	8.03042	15.4257	5.65E-11	6.58E-09	1.62E-09	1.74E-14	5.26E-14	4.16E-14	6.35E-17	1.53E-15	8.47E-17	1.68185E-15	6.276E-12	6.5802E-09	1.62069E-09	1.7827E-14	2.56709E-16	8.89803E-15	4.27105E-17
521	571590.55	4178558.99	0.55, 41785	0.42104	0.44786	0.43792	63.39282	43.98321	60.02596	9.17705	7.35207	9.24249	5.07E-11	5.42E-09	1.05E-09	1.56E-14	4.72E-14	3.73E-14	5.7E-17	1.38E-15	7.6E-17	1.50942E-15	5.632E-12	5.4224E-09	1.04781E-09	1.59993E-14	2.3039E-16	7.98577E-15	3.83317E-17
522	570310.55	4178598.99	0.55, 41785	0.10507	0.08466	0.09914	83.25071	28.48032	95.05484	11.19876	3.62883	12.56574	1.01E-11	4.66E-09	1.3E-09	3.1E-15	9.37E-15	7.4E-15	1.13E-17	2.73E-16	1.51E-17	2.99347E-16	1.117E-12	4.6636E-09	1.29514E-09	3.17297E-15	4.56908E-17	1.58373E-15	7.60191E-18
523	570350.55	4178598.99	0.55, 41785	0.11716	0.09561	0.10985	88.57329	30.33455	103.53599	11.44069	3.79182	12.942	1.13E-11	5E-09	1.32E-09	3.49E-15	1.05E-14	8.32E-15	1.27E-17	3.07E-16	1.7E-17	3.36801E-16	1.257E-12	4.9956E-09	1.32446E-09	3.56997E-15	5.14076E-17	1.78189E-15	8.55305E-18
524	570390.55	4178598.99	0.55, 41785	0.13131	0.10865	0.12235	93.2639	32.45644	112.44406	11.65799	4.05706	14.05551	1.28E-11	5.35E-09	1.36E-09	3.95E-15	1.19E-14	9.42E-15	1.44E-17	3.48E-16	1.92E-17	3.81231E-16	1.423E-12	5.351E-09	1.36073E-09	4.04091E-15	5.81892E-17	2.01695E-15	9.68136E-18
525	570430.55	4178598.99	0.55, 41785	0.15022	0.126	0.13878	103.53542	36.02365	122.12845	12.94193	4.50296	15.26606	1.48E-11	5.91E-09	1.51E-09	4.56E-15	1.38E-14	1.09E-14	1.66E-17	4.02E-16	2.22E-17	4.40295E-16	1.643E-12	5.905E-09	1.50627E-09	4.66697E-15	6.72044E-17	2.32943E-15	1.11813E-17
526	570470.55	4178598.99	0.55, 41785	0.17421	0.14819	0.15942	115.63183	39.91557	131.63773	14.45398	5.34922	16.45472	1.73E-11	6.51E-09	1.67E-09	5.34E-15	1.61E-14	1.27E-14	1.95E-17	4.7E-16	2.6E-17	5.15633E-16	1.924E-12	6.5051E-09	1.67463E-09	5.46553E-15	7.87036E-17	2.72802E-15	1.30945E-17
527	570510.55	4178598.99	0.55, 41785	0.20799	0.17912	0.18803	128.15759	44.54205	154.67263	16.0197	6.36274	19.33408	2.08E-11	7.35E-09	1.87E-09	6.43E-15	1.94E-14	1.53E-14	2.34E-17	5.66E-16	3.12E-17	6.20689E-16	2.316E-12	7.3498E-09	1.87009E-09	6.57908E-15	9.47387E-17	3.28383E-15	1.57624E-17
528	570550.55	4178598.99	0.55, 41785	0.25382	0.22088	0.22625	141.74172	51.90419	182.47104	17.71771	7.41488	22.80888	2.56E-11	8.52E-09	2.09E-09	7.9E-15	2.39E-14	1.88E-14	2.88E-17	6.95E-16	3.84E-17	7.62441E-16	2.845E-12	8.5153E-09	2.08657E-09	8.0816E-15	1.16375E-16	4.03378E-15	1.93622E-17
529	570590.55	4178598.99	0.55, 41785	0.31442	0.27626	0.27638	161.8077	62.94071	207.9054	20.22596	8.27119	25.98817	3.19E-11	1.01E-08	2.38E-09	9.85E-15	2.97E-14	2.35E-14	3.59E-17	8.66E-16	4.78E-17	9.50159E-16	3.546E-12	1.0051E-08	2.38133E-09	1.00713E-14	1.45027E-16	5.02693E-15	2.41293E-17
530	570630.55	4178598.99	0.55, 41785	0.39904	0.35395	0.34775	187.04764	77.01967	233.41259	23.38095	12.20463	29.17657	4.08E-11	1.19E-08	2.74E-09	1.26E-14	3.8E-14	3E-14	4.58E-17	1.11E-15	6.11E-17	1.21378E-15	4.529E-12	1.1918E-08	2.7417E-09	1.28656E-14	1.85265E-16	6.42164E-15	3.08239E-17
531	570670.55	4178598.99	0.55, 41785	0.52025	0.46779	0.4567	203.91154	89.67976	314.96286	27.18561	17.16092	39.37036	5.38E-11	1.43E-08	3.26E-09	1.66E-14	5.01E-14	3.96E-14	6.04E-17	1.46E-15	8.06E-17	1.60088E-15	5.974E-12	1.4289E-08	3.25762E-09	1.69688E-14	2.4435E-16	8.46966E-15	4.06544E-17
532	570710.55	4178598.99	0.55, 41785	0.68748	0.63563	0.62617	226.5911	101.22252	383.25212	32.37016	22.387	47.90652	7.29E-11	1.64E-08	3.89E-09	2.25E-14	6.79E-14	5.37E-14	8.2E-17	1.98E-15	1.09E-16	2.17148E-15	8.103E-12	1.6447E-08	3.89204E-09	2.30169E-14	3.31443E-16	1.14885E-14	5.51446E-17
533	570750.55	4178598.99	0.55, 41785	0.91976	0.89022	0.88415	243.41497	114.05895	499.75889	34.77357	31.00996	69.4997	1.02E-10	1.93E-08	4.41E-09	3.14E-14	9.48E-14	7.49E-14	1.14E-16	2.76E-15	1.53E-16	3.03081E-15	1.131E-11	1.928E-08	4.41211E-09	3.21255E-14	4.62608E-16	1.60349E-14	7.69674E-17
534	570790.55	4178598.99	0.55, 41785	1.20615	1.22781	1.16033	261.32328	130.44037	537.17009	39.31654	39.06207	73.65107	1.39E-10	2.14E-08	4.93E-09	4.29E-14	1.29E-13	1.02E-13	1.56E-16	3.77E-15	2.08E-16	4.13857E-15	1.544E-11	2.1434E-08	4.92538E-09	4.38673E-14	6.31689E-16	2.18956E-14	1.05099E-16
535	570830.55	4178598.99	0.55, 41785	1.86035	2.06593	1.53512	307.79075	158.37727	606.96091	57.33573	51.17396	80.52216	2.27E-10	2.53E-08	6.84E-09	7E-14	2.11E-13	1.67E-13	2.55E-16	6.16E-15	3.4E-16	6.75279E-15	2.52E-11	2.5348E-08	6.83828E-09	7.15772E-14	1.03071E-15	3.57265E-14	1.71487E-16
536	570870.55	4178598.99	0.55, 41785	2.81953	3.8452	1.88016	429.66876	238.19724	679.18896	77.96533	87.47681	90.64703	4.03E-10	3.48E-08	9.06E-09	1.24E-13	3.75E-13	2.97E-13	4.53E-16	1.09E-14	6.04E-16	1.19996E-14	4.478E-11	3.4788E-08	9.05724E-09	1.27191E-13	1.83155E-15	6.34852E-14	3.04729E-16
537	570910.55	4178598.99	0.55, 41785	4.21414	6.38342	2.32175	555.65098	273.48442	945.27353	124.98504	103.73159	124.24769	6.54E-10	4.27E-08	1.42E-08	2.02E-13	6.09E-13	4.81E-13	7.35E-16	1.78E-14	9.8E-16	1.94731E-14	7.266E-11	4.27E-08	1.42496E-08	2.06408E-13	2.97227E-15	1.03025E-13	4.94518E-16
538	570950.55	4178598.99	0.55, 41785	4.59898	4.54538	2.28746	563.80767	195.03038	769.06119	96.52509	58.5202	125.1466	4.9E-10	3.34E-08	1.14E-08	1.51E-13	4.57E-13	3.61E-13	5.51E-16	1.33E-14	7.35E-16	1.45958E-14	5.446E-11	3.3385E-08	1.13789E-08	1.5471E-13	2.22782E-15	7.72207E-14	3.70659E-16
539	570990.55	4178598.99	0.55, 41785	3.82228	3.4158	2.10211	387.45867	157.86758	722.29473	74.93195	45.58999	97.36969	3.77E-10	2.76E-08	8.84E-09	1.16E-13	3.51E-13	2.77E-13	4.24E-16	1.02E-14	5.65E-16	1.12265E-14	4.189E-11	2.7596E-08	8.83617E-09	1.18997E-13	1.71355E-15	5.93951E-14	2.85096E-16
540	571030.55	4178598.99	0.55, 41785	3.02247	2.69987	1.99871	442.17309	124.03841	776.22539	67.82636	38.72372	97.59907	3.02E-10	2.58E-08	8.12E-09	9.33E-14	2.82E-13	2.23E-13	3.4E-16	8.21E-15	4.53E-16	9.00253E-15	3.359E-11	2.5768E-08	8.1195E-09	9.54236E-14	1.3741E-15	4.76289E-14	2.28619E-16
541	571070.55	4178598.99	0.55, 41785	2.43201	2.20804	1.81695	323.32852	105.96293	523.5768	49.87717	32.54487	75.45431	2.49E-10	1.97E-08	6.02E-09	7.69E-14	2.32E-13	1.83E-13	2.8E-16	6.77E-15	3.74E-16	7.41995E-15	2.769E-11	1.9668E-08	6.018E-09	7.86488E-14	1.13254E-15	3.92561E-14	1.8843E-16
542	571110.55	4178598.99	0.55, 41785	1.9361	1.83698	1.53551	285.52756	89.63178	395.42144	42.26506	28.59229	57.87538	2.07E-10	1.62E-08	5.02E-09	6.38E-14	1.93E-13	1.52E-13	2.32E-16	5.61E-15	3.1E-16	6.15553E-15	2.297E-11	1.6152E-08	5.02186E-09	6.52464E-14	9.39549E-16	3.25666E-14	1.5632E-16
543	571150.55	4178598.99	0.55, 41785	1.58315	1.55537	1.34493	182.41041	88.91432	301.39134	29.75311	25.20352	37.67392	1.75E-10	1.38E-08	3.5E-09	5.4E-14	1.63E-13	1.29E-13	1.97E-16	4.75E-15	2.62E-16	5.21185E-15	1.945E-11	1.3825E-08	3.4959E-09	5.52437E-14	7.9551E-16	2.75739E-14	1.32355E-16
544	571190.55	4178598.99	0.55, 41785	1.33739	1.33597	1.20735	189.26194	77.8274	237.13522	24.55337	21.99349	31.52399	1.51E-10	1.21E-08	2.89E-09	4.65E-14	1.4E-13	1.11E-13	1.69E-16	4.09E-15	2.26E-16	4.48971E-15	1.675E-11	1.2062E-08	2.89051E-09	4.75893E-14	6.85286E-16	2.37533E-14	1.14016E-16
545	571230.55	4178598.99	0.55, 41785	1.14183	1.1549	1.07779	177.02423	70.01737	247.02933	25.42204	18.83046	36.19826	1.31E-10	1.14E-08	3.04E-09	4.03E-14	1.22E-13	9.61E-14	1.47E-16	3.55E-15	1.96E-16	3.88983E-15	1.452E-11	1.1353E-08	3.03837E-09	4.12308E-14	5.93724E-16	2.05796E-14	9.87822E-17
546	571270.55	4178598.99	0.55, 41785	0.97959	1.00523	0.95378	160.46118	68.49541	236.51718	22.92303	16.81937	33.9008	1.14E-10	1.09E-08	2.76E-09	3.51E-14	1.06E-13	8.37E-14	1.28E-16	3.09E-15	1.71E-16	3.38735E-15	1.264E-11	1.091E-08	2.75585E-09	3.59047E-14	5.17028E-16	1.79212E-14	8.60217E-17
547	571310.55	4178598.99	0.55, 41785	0.84011	0.87488	0.82502	131.92842	62.86665	193.55215	16.49105	15.16442	24.19402	9.88E-11	9.55E-09	1.98E-09	3.05E-14	9.21E-14	7.27E-14	1.11E-16	2.68E-15	1.48E-16	2.94237E-15	1.098E-11	9.5545E-09	1.98009E-09	3.1188E-14	4.49108E-16	1.5567E-14	7.47214E-17
548	571350.55	4178598.99	0.55, 41785	0.73896	0.77159	0.73066	149.85158	58.69155	153.82017	22.55392	13.49962	22.49489	8.72E-11	8.85E-09	2.57E-09	2.69E-14	8.12E-14	6.42E-14	9.8E-17	2.37E-15	1.31E-16	2.59555E-15	9.685E-12	8.8491E-09	2.57233E-09	2.75119E-14	3.96171E-16	1.37321E-14	6.59139E-17
549	571390.55	4178598.99	0.55, 41785	0.661	0.68563	0.66671	168.50279	56.32456	235.09945	24.41155	12.10471	32.40344	7.77E-11	9.87E-09	2.89E-09	2.4E-14	7.24E-14	5.72E-14	8.74E-17	2.11E-15	1.17E-16	2.31438E-15	8.636E-12	9.8663E-09	2.88741E-09	2.45316E-14	3.53255E-16	1.22445E-14	5.87735E-17
550	571430.55	4178598.99	0.55, 41785	0.59511	0.61204	0.61151	136.17098	51.76249	171.68803	20.03651	10.61326	24.28892	6.96E-11	8.31E-09	2.34E-09	2.15E-14	6.49E-14	5.13E-14	7.83E-17	1.89E-15	1.04E-16	2.07376E-15	7.738E-12	8.3071E-09	2.34037E-09	2.19811E-14	3.16527E-16	1.09714E-14	5.2663E-17
551	571470.55	4178598.99	0.55, 41785	0.53051	0.54561	0.54811	117.9441	47.17442	154.11151	16.84916	9.40387	22.01593	6.21E-11	7.48E-09	1.99E-09	1.92E-14	5.79E-14	4.57E-14	6.98E-17	1.69E-15	9.31E-17	1.8498E-15	6.903E-12	7.4775E-09	1.98845E-09	1.96073E-14	2.82345E-16	9.78661E-15	4.69757E-17
552	571510.55	4178598.99	0.55, 41785	0.47218	0.48877	0.48576	120.07824	45.51387	145.12306	16.38718	8.49605	19.65912	5.56E-11	7.23E-09	1.91E-09	1.71E-14	5.18E-14	4.09E-14	6.24E-17	1.51E-15	8.33E-17	1.65416E-15	6.173E-12	7.233E-09	1.91147E-09	1.75335E-14	2.52482E-16	8.75153E-15	4.20073E-17
553	571550.55	4178598.99	0.55, 41785	0.42043	0.43954	0.43052	119.99429	43.92883	151.34582	16.43506	7.56489	20.5622	4.98E-11	7.17E-09	1.93E-09	1.54E-14	4.64E-14	3.67E-14	5.6E-17	1.35E-15	7.47E-17	1.48386E-15	5.537E-12	7.1676E-09	1.92789E-09	1.57284E-14	2.26489E-16	7.85055E-15	3.76826E-17
554	571590.55	4178598.99	0.55, 41785	0.37632	0.39688	0.38556	100.33698	42.40478	116.86516	13.86046	7.00095	16.11187	4.49E-11	6.39E-09	1.61E-09	1.39E-14	4.19E-14	3.31E-14	5.05E-17	1.22E-15	6.73E-17	1.33762E-15	4.991E-12	6.3856E-09	1.61013E-09	1.41783E-14	2.04168E-16	7.07686E-15	3.39689E-17
555	570310.55	4178638.99	0.55, 41786	0.10356	0.08559	0.09711	83.92303	29.66661	96.15389	10.49038	3.70833	12.01924	1.01E-11	4.79E-09	1.22E-09	3.12E-15	9.41E-15	7.43E-15	1.13E-17	2.74E-16	1.51E-17	3.00632E-16	1.122E-12	4.7926E-09	1.21639E-09	3.18659E-15	4.5887E-17	1.59053E-15	7.63455E-18
556	570350.55	4178638.99	0.55, 41786	0.1161	0.09716	0.10841	92.63397	32.60646	103.61771	11.57925	4.08084	12.95221	1.14E-11	5.25E-09	1.34E-09	3.52E-15	1.06E-14	8.41E-15	1.28E-17	3.1E-16	1.71E-17	3.40129E-16	1.269E-12	5.2451E-09	1.33862E-09	3.60525E-15	5.19156E-17	1.79949E-15	8.63757E-18
557	570390.55	4178638.99	0.55, 41786	0.13068	0.11086	0.1215	100.54346	34.97331	116.66288	12.56793	4.70976	14.58286	1.3E-11	5.71E-09	1.46E-09	4.01E-15	1.21E-14	9.56E-15	1.46E-17	3.53E-16	1.95E-17	3.86704E-16	1.443E-12	5.7087E-09	1.45964E-09	4.09893E-15	5.90246E-17	2.04591E-15	9.82035E-18
558	570430.55	4178638.99	0.55, 41786	0.14929	0.12834	0.13819	107.49924	37.52244	130.89362	13.4374	5.36035	16.3617	1.5E-11	6.19E-09	1.57E-09	4.62E-15	1.4E-14	1.1E-14	1.68E-17	4.07E-16	2.25E-17	4.46128E-16	1.665E-12	6.1944E-09	1.57049E-09	4.7288E-15	6.80947E-17	2.36029E-15	1.13294E-17
559	570470.55	4178638.99	0.55, 41786	0.17443	0.15183	0.16061	116.62505	42.4162	145.19757	14.57813	6.05946	18.1497	1.77E-11	6.92E-09	1.71E-09	5.45E-15	1.65E-14	1.3E-14	1.99E-17	4.8E-16	2.65E-17	5.2602E-16	1.963E-12	6.9166E-09	1.70892E-09	5.57562E-15	8.0289E-17	2.78297E-15	1.33583E-17
560	570510.55	4178638.99	0.55, 41786	0.20768	0.18277	0.19013	127.00459	48.18252	156.06863	15.87557	6.71257	19.50858	2.12E-11	7.69E-09	1.86E-09	6.54E-15	1.98E-14	1.56E-14	2.38E-17	5.76E-16	3.18E-17	6.31288E-16	2.356E-12	7.6872E-09	1.85773E-09	6.69142E-15	9.63565E-17	3.3399E-15	1.60315E-17
561	570550.55	4178638.99	0.55, 41786	0.2504	0.22269	0.22841	148.76746	59.99627	172.72318	18.59593	7.58374	21.5904	2.58E-11	9.2E-09	2.16E-09	7.95E-15	2.4E-14	1.9E-14	2.9E-17	7E-16	3.86E-17	7.67127E-16	2.863E-12	9.199E-09	2.1599E-09	8.13127E-15	1.1709E-16	4.05857E-15	1.94812E-17
562	570590.55	4178638.99	0.55, 41786	0.30521	0.27478	0.27907	162.38276	69.4472	222.88998	20.29784	10.74133	27.86125	3.17E-11	1.08E-08	2.41E-09	9.79E-15	2.96E-14	2.33E-14	3.57E-17	8.61E-16	4.75E-17	9.44363E-16	3.524E-12	1.0842E-08	2.41261E-09	1.00099E-14	1.44143E-16	4.99627E-15	2.39821E-17
563	570630.55	4178638.99	0.55, 41786	0.37839	0.34592	0.35098	177.15033	78.68271	266.26636	23.7109	14.16715	33.28329	3.99E-11	1.24E-08	2.83E-09	1.23E-14	3.71E-14	2.93E-14	4.48E-17	1.08E-15	5.97E-17	1.18694E-15	4.429E-12	1.2389E-08	2.82773E-09	1.25812E-14	1.81169E-16	6.27967E-15	3.01424E-17

564	570670.55	4178638.99	0.55, 41786	0.47152	0.44129	0.44999	194.04584	86.02037	313.51443	27.72083	17.24466	39.1893	5.08E-11	1.38E-08	3.31E-09	1.57E-14	4.73E-14	3.74E-14	5.71E-17	1.38E-15	7.61E-17	1.51163E-15	5.641E-12	1.3836E-08	3.3095E-09	1.60227E-14	2.30727E-16	7.99744E-15	3.83877E-17
565	570710.55	4178638.99	0.55, 41786	0.59058	0.57043	0.57865	207.44684	93.90742	372.29223	29.63526	21.88085	53.1846	6.54E-11	1.54E-08	3.68E-09	2.02E-14	6.09E-14	4.81E-14	7.35E-17	1.78E-15	9.8E-17	1.94706E-15	7.266E-12	1.5444E-08	3.6827E-09	2.06381E-14	2.97189E-16	1.03012E-14	4.94455E-17
566	570750.55	4178638.99	0.55, 41786	0.7421	0.74424	0.7234	219.27007	107.04803	379.32522	31.3243	27.05481	52.15596	8.46E-11	1.69E-08	3.84E-09	2.61E-14	7.88E-14	6.23E-14	9.51E-17	2.3E-15	1.27E-16	2.51961E-15	9.402E-12	1.6852E-08	3.84057E-09	2.6707E-14	3.8458E-16	1.33303E-14	6.39854E-17
567	570790.55	4178638.99	0.55, 41786	0.94425	0.97087	0.85006	237.37937	117.94026	412.19598	33.01145	30.70173	55.76703	1.09E-10	1.84E-08	4.06E-09	3.36E-14	1.02E-13	8.02E-14	1.22E-16	2.96E-15	1.63E-16	3.24387E-15	1.21E-11	1.845E-08	4.0577E-09	3.43839E-14	4.95127E-16	1.71621E-14	8.2378E-17
568	570830.55	4178638.99	0.55, 41786	1.23329	1.33292	0.96284	295.25944	130.22679	473.13116	42.69044	39.99654	61.26658	1.46E-10	2.09E-08	5.11E-09	4.51E-14	1.36E-13	1.08E-13	1.64E-16	3.97E-15	2.19E-16	4.35639E-15	1.626E-11	2.0942E-08	5.10839E-09	4.61761E-14	6.64936E-16	2.3048E-14	1.1063E-16
569	570870.55	4178638.99	0.55, 41786	1.50989	1.73214	1.20169	317.24906	188.19869	615.93486	58.25942	53.82297	76.99186	1.89E-10	2.83E-08	6.89E-09	5.82E-14	1.76E-13	1.39E-13	2.12E-16	5.12E-15	2.83E-16	5.61394E-15	2.095E-11	2.8274E-08	6.8866E-09	5.95058E-14	8.56883E-16	2.97012E-14	1.42566E-16
570	570910.55	4178638.99	0.55, 41786	1.78259	1.99297	1.30656	332.58479	179.86407	638.76492	63.94152	52.98497	79.84561	2.16E-10	2.8E-08	7.5E-09	6.68E-14	2.02E-13	1.59E-13	2.43E-16	5.88E-15	3.24E-16	6.44412E-15	2.405E-11	2.7965E-08	7.4986E-09	6.83053E-14	9.83597E-16	3.40934E-14	1.63648E-16
571	570950.55	4178638.99	0.55, 41786	1.86524	1.94862	1.2876	326.77204	147.92341	425.10208	57.64661	41.4452	82.66786	2.13E-10	2.23E-08	6.9E-09	6.57E-14	1.98E-13	1.57E-13	2.39E-16	5.78E-15	3.19E-16	6.34191E-15	2.367E-11	2.2261E-08	6.89726E-09	6.72219E-14	9.67996E-16	3.35526E-14	1.61053E-16
572	570990.55	4178638.99	0.55, 41786	1.76592	1.78245	1.25006	311.73236	122.31574	573.48464	43.80696	33.57582	91.70195	1.96E-10	2.17E-08	5.61E-09	6.06E-14	1.83E-13	1.45E-13	2.21E-16	5.33E-15	2.94E-16	5.8469E-15	2.182E-11	2.1677E-08	5.61142E-09	6.1975E-14	8.9244E-16	3.09337E-14	1.48482E-16
573	571030.55	4178638.99	0.55, 41786	1.5977	1.58915	1.17717	263.38378	106.70114	334.97263	40.88022	26.80487	57.79917	1.76E-10	1.67E-08	4.88E-09	5.43E-14	1.64E-13	1.3E-13	1.98E-16	4.78E-15	2.64E-16	5.24384E-15	1.957E-11	1.6704E-08	4.88064E-09	5.55828E-14	8.00393E-16	2.77432E-14	1.33167E-16
574	571070.55	4178638.99	0.55, 41786	1.42629	1.41473	1.18099	323.91584	92.06505	516.79706	44.84431	24.93328	64.76299	1.59E-10	1.83E-08	5.37E-09	4.89E-14	1.48E-13	1.17E-13	1.78E-16	4.3E-15	2.38E-16	4.72025E-15	1.761E-11	1.8322E-08	5.37132E-09	5.00329E-14	7.20474E-16	2.4973E-14	1.19871E-16
575	571110.55	4178638.99	0.55, 41786	1.27265	1.25146	1.07066	231.49813	85.11921	353.08688	34.4516	22.95032	48.16161	1.41E-10	1.46E-08	4.11E-09	4.34E-14	1.31E-13	1.04E-13	1.58E-16	3.82E-15	2.11E-16	4.18875E-15	1.563E-11	1.4645E-08	4.10611E-09	4.43992E-14	6.39349E-16	2.21611E-14	1.06373E-16
576	571150.55	4178638.99	0.55, 41786	1.10067	1.1079	0.9372	235.36335	78.49538	345.02109	33.92291	20.75102	48.66179	1.24E-10	1.4E-08	4.06E-09	3.83E-14	1.16E-13	9.14E-14	1.4E-16	3.37E-15	1.86E-16	3.69625E-15	1.379E-11	1.3978E-08	4.05897E-09	3.91789E-14	5.64177E-16	1.95555E-14	9.38662E-17
577	571190.55	4178638.99	0.55, 41786	0.96404	0.98605	0.85109	150.10185	73.9658	197.92558	22.00887	18.66835	28.93746	1.11E-10	1.08E-08	2.6E-09	3.41E-14	1.03E-13	8.14E-14	1.24E-16	3E-15	1.66E-16	3.29145E-15	1.228E-11	1.0807E-08	2.59968E-09	3.48881E-14	5.02389E-16	1.74138E-14	8.35862E-17
578	571230.55	4178638.99	0.55, 41786	0.85847	0.87787	0.78438	130.71922	65.23747	181.52397	20.98447	16.26127	28.21366	9.88E-11	9.6E-09	2.49E-09	3.05E-14	9.2E-14	7.27E-14	1.11E-16	2.68E-15	1.48E-16	2.94057E-15	1.097E-11	9.6038E-09	2.48666E-09	3.1169E-14	4.48834E-16	1.55574E-14	7.46757E-17
579	571270.55	4178638.99	0.55, 41786	0.76521	0.78388	0.72231	147.71702	61.52416	210.17535	22.46264	14.29709	35.02922	8.84E-11	9.81E-09	2.72E-09	2.73E-14	8.24E-14	6.51E-14	9.94E-17	2.4E-15	1.33E-16	2.63368E-15	9.828E-12	9.8072E-09	2.72368E-09	2.79161E-14	4.01992E-16	1.39338E-14	6.68823E-17
580	571310.55	4178638.99	0.55, 41786	0.67814	0.70066	0.65218	136.41117	59.8434	199.34802	17.34958	13.40052	24.9185	7.91E-11	9.4E-09	2.08E-09	2.44E-14	7.37E-14	5.82E-14	8.89E-17	2.15E-15	1.19E-16	2.3548E-15	8.787E-12	9.3996E-09	2.07632E-09	2.496E-14	3.59425E-16	1.24584E-14	5.98001E-17
581	571350.55	4178638.99	0.55, 41786	0.60279	0.6273	0.58324	124.67819	56.4143	162.56927	15.58477	12.33978	20.32116	7.08E-11	8.5E-09	1.84E-09	2.18E-14	6.59E-14	5.21E-14	7.95E-17	1.92E-15	1.06E-16	2.10667E-15	7.861E-12	8.4959E-09	1.83869E-09	2.233E-14	3.21552E-16	1.11456E-14	5.34989E-17
582	571390.55	4178638.99	0.55, 41786	0.54567	0.56561	0.53406	134.64293	53.30447	146.45838	19.4501	11.04071	20.47738	6.39E-11	8.11E-09	2.23E-09	1.97E-14	5.96E-14	4.7E-14	7.19E-17	1.74E-15	9.58E-17	1.90328E-15	7.102E-12	8.1086E-09	2.23215E-09	2.01741E-14	2.90506E-16	1.00695E-14	4.83337E-17
583	571430.55	4178638.99	0.55, 41786	0.50035	0.51255	0.49968	147.79016	50.85435	197.85336	20.77571	9.97795	26.64502	5.82E-11	8.68E-09	2.45E-09	1.8E-14	5.42E-14	4.28E-14	6.54E-17	1.58E-15	8.72E-17	1.73252E-15	6.465E-12	8.6788E-09	2.44542E-09	1.83641E-14	2.64443E-16	9.1661E-15	4.39973E-17
584	571470.55	4178638.99	0.55, 41786	0.45884	0.46513	0.46599	118.76181	47.03177	145.5886	16.94782	8.9119	19.9832	5.3E-11	7.36E-09	1.97E-09	1.64E-14	4.94E-14	3.9E-14	5.96E-17	1.44E-15	7.95E-17	1.57847E-15	5.89E-12	7.3637E-09	1.9724E-09	1.67313E-14	2.4093E-16	8.3511E-15	4.00853E-17
585	571510.55	4178638.99	0.55, 41786	0.41516	0.4204	0.42431	105.04191	43.02213	132.76114	15.00599	7.61313	18.96588	4.8E-11	6.69E-09	1.76E-09	1.48E-14	4.47E-14	3.53E-14	5.39E-17	1.3E-15	7.19E-17	1.42801E-15	5.329E-12	6.6937E-09	1.76271E-09	1.51364E-14	2.17964E-16	7.55505E-15	3.62642E-17
586	571550.55	4178638.99	0.55, 41786	0.37489	0.38245	0.3824	101.59712	41.64808	125.74417	13.25702	7.0054	15.71802	4.36E-11	6.44E-09	1.54E-09	1.34E-14	4.06E-14	3.21E-14	4.9E-17	1.18E-15	6.53E-17	1.29687E-15	4.839E-12	6.4434E-09	1.54397E-09	1.37464E-14	1.97948E-16	6.86125E-15	3.2934E-17
587	571590.55	4178638.99	0.55, 41786	0.33863	0.34937	0.34405	106.83121	40.48294	130.44071	14.45913	6.53587	17.55635	3.97E-11	6.45E-09	1.69E-09	1.22E-14	3.7E-14	2.92E-14	4.46E-17	1.08E-15	5.95E-17	1.18152E-15	4.409E-12	6.4512E-09	1.68927E-09	1.25236E-14	1.80341E-16	6.25095E-15	3.00046E-17
588	570310.55	4178678.99	0.55, 41786	0.10291	0.0869	0.09701	88.39628	30.98258	103.31105	11.04953	4.21243	12.91388	1.02E-11	5.05E-09	1.28E-09	3.15E-15	9.51E-15	7.51E-15	1.15E-17	2.77E-16	1.53E-17	3.03946E-16	1.134E-12	5.0499E-09	1.28448E-09	3.22172E-15	4.63928E-17	1.60806E-15	7.71871E-18
589	570350.55	4178678.99	0.55, 41786	0.11574	0.09888	0.10892	93.23081	33.32166	112.3331	11.65385	4.76024	14.04164	1.16E-11	5.43E-09	1.36E-09	3.57E-15	1.08E-14	8.52E-15	1.3E-17	3.14E-16	1.74E-17	3.44876E-16	1.287E-12	5.428E-09	1.36013E-09	3.65556E-15	5.264E-17	1.82461E-15	8.75811E-18
590	570390.55	4178678.99	0.55, 41786	0.13137	0.11361	0.12342	99.39798	36.831	119.21549	12.42475	5.26157	14.90194	1.33E-11	5.9E-09	1.45E-09	4.09E-15	1.24E-14	9.77E-15	1.49E-17	3.6E-16	1.99E-17	3.95101E-16	1.474E-12	5.8988E-09	1.44923E-09	4.18793E-15	6.03062E-17	2.09033E-15	1.00336E-17
591	570430.55	4178678.99	0.55, 41786	0.15074	0.13191	0.14135	105.99103	39.73692	126.723	13.24888	5.6767	15.84037	1.54E-11	6.33E-09	1.54E-09	4.74E-15	1.43E-14	1.13E-14	1.73E-17	4.17E-16	2.3E-17	4.57452E-16	1.707E-12	6.3271E-09	1.54472E-09	4.84883E-15	6.98231E-17	2.42021E-15	1.1617E-17
592	570470.55	4178678.99	0.55, 41786	0.17494	0.15487	0.16378	121.69462	47.75873	135.7735	15.21183	5.96984	16.97169	1.8E-11	7.33E-09	1.76E-09	5.55E-15	1.68E-14	1.32E-14	2.02E-17	4.88E-16	2.7E-17	5.35625E-16	1.999E-12	7.3342E-09	1.758E-09	5.67743E-15	8.1755E-17	2.83379E-15	1.36022E-17
593	570510.55	4178678.99	0.55, 41786	0.2057	0.18414	0.19253	135.37794	56.46386	170.3708	16.92224	7.12807	21.29635	2.13E-11	8.71E-09	1.99E-09	6.58E-15	1.99E-14	1.57E-14	2.4E-17	5.79E-16	3.2E-17	6.35312E-16	2.371E-12	8.7101E-09	1.98663E-09	6.73408E-15	9.69708E-17	3.3612E-15	1.61337E-17
594	570550.55	4178678.99	0.55, 41786	0.2434	0.22078	0.22908	142.10791	62.60325	200.29273	17.76349	9.55219	25.03659	2.55E-11	9.72E-09	2.12E-09	7.88E-15	2.38E-14	1.88E-14	2.87E-17	6.93E-16	3.83E-17	7.60069E-16	2.836E-12	9.7213E-09	2.11975E-09	8.05646E-15	1.16013E-16	4.02124E-15	1.93019E-17
595	570590.55	4178678.99	0.55, 41786	0.29132	0.2684	0.27784	157.44437	70.02377	210.9671	21.20731	12.01595	26.37089	3.1E-11	1.07E-08	2.49E-09	9.56E-15	2.89E-14	2.28E-14	3.48E-17	8.41E-16	4.64E-17	9.22363E-16	3.442E-12	1.0691E-08	2.48562E-09	9.77671E-15	1.40785E-16	4.87987E-15	2.34234E-17
596	570630.55	4178678.99	0.55, 41786	0.34871	0.32823	0.33909	170.78411	74.6949	263.98396	24.39773	14.09383	33.40233	3.78E-11	1.19E-08	2.9E-09	1.17E-14	3.52E-14	2.78E-14	4.25E-17	1.03E-15	5.67E-17	1.1254E-15	4.2E-12	1.1932E-08	2.89881E-09	1.19289E-14	1.71776E-16	5.95409E-15	2.85796E-17
597	570670.55	4178678.99	0.55, 41786	0.41782	0.40379	0.41108	181.29369	80.27499	295.25985	25.8991	15.99045	42.12286	4.63E-11	1.29E-08	3.16E-09	1.43E-14	4.31E-14	3.41E-14	5.21E-17	1.26E-15	6.94E-17	1.37875E-15	5.145E-12	1.2948E-08	3.16259E-09	1.46143E-14	2.10446E-16	7.29446E-15	3.50134E-17
598	570710.55	4178678.99	0.55, 41786	0.49876	0.49687	0.48618	185.88712	90.92914	287.65142	26.5553	19.21501	39.31628	5.66E-11	1.39E-08	3.19E-09	1.75E-14	5.27E-14	4.16E-14	6.36E-17	1.54E-15	8.48E-17	1.68439E-15	6.285E-12	1.3868E-08	3.19309E-09	1.78539E-14	2.57096E-16	8.91145E-15	4.27749E-17
599	570750.55	4178678.99	0.55, 41786	0.59336	0.60818	0.55751	195.07014	97.11431	330.72411	27.40212	20.89244	45.57898	6.86E-11	1.51E-08	3.36E-09	2.12E-14	6.39E-14	5.05E-14	7.71E-17	1.86E-15	1.03E-16	2.04216E-15	7.62E-12	1.5077E-08	3.35909E-09	2.16461E-14	3.11704E-16	1.08043E-14	5.18605E-17
600	570790.55	4178678.99	0.55, 41786	0.71288	0.74367	0.61675	232.56486	100.08812	327.08033	29.70634	25.09865	40.88504	8.29E-11	1.57E-08	3.53E-09	2.56E-14	7.72E-14	6.1E-14	9.32E-17	2.25E-15	1.24E-16	2.46846E-15	9.211E-12	1.5685E-08	3.53231E-09	2.61648E-14	3.76773E-16	1.30597E-14	6.26864E-17
601	570830.55	4178678.99	0.55, 41786	0.82835	0.8948	0.66469	250.25968	113.32691	367.70207	36.36599	33.16876	46.21837	9.85E-11	1.76E-08	4.28E-09	3.04E-14	9.17E-14	7.25E-14	1.11E-16	2.67E-15	1.48E-16	2.9316E-15	1.094E-11	1.7592E-08	4.27508E-09	3.10739E-14	4.47464E-16	1.551E-14	7.44479E-17
602	570870.55	4178678.99	0.55, 41786	0.92801	1.04065	0.83445	269.45277	158.88347	492.55659	39.41339	35.15016	62.53118	1.15E-10	2.35E-08	4.79E-09	3.55E-14	1.07E-13	8.46E-14	1.29E-16	3.12E-15	1.72E-16	3.42208E-15	1.277E-11	2.3535E-08	4.79272E-09	3.62729E-14	5.22329E-16	1.81049E-14	8.69037E-17
603	570910.55	4178678.99	0.55, 41786	1.03394	1.13081	0.83809	259.70616	144.94226	471.11442	42.20689	35.5523	58.8893	1.24E-10	2.19E-08	5.03E-09	3.83E-14	1.16E-13	9.15E-14	1.4E-16	3.37E-15	1.86E-16	3.70017E-15	1.381E-11	2.1891E-08	5.02896E-09	3.92204E-14	5.64774E-16	1.95762E-14	9.39656E-17
604	570950.55	4178678.99	0.55, 41786	1.05684	1.13643	0.82319	242.80014	123.49716	418.67106	39.92153	30.15323	58.18912	1.25E-10	1.91E-08	4.79E-09	3.85E-14	1.16E-13	9.19E-14	1.4E-16	3.39E-15	1.87E-16	3.7167E-15	1.387E-11	1.9094E-08	4.78854E-09	3.93957E-14	5.67298E-16	1.96637E-14	9.43856E-17
605	570990.55	4178678.99	0.55, 41786	1.01802	1.09421	0.82722	255.86386	105.93706	407.98363	37.15781	26.85338	67.99727	1.21E-10	1.75E-08	4.63E-09	3.72E-14	1.12E-13	8.88E-14	1.36E-16	3.28E-15	1.81E-16	3.59196E-15	1.34E-11	1.7493E-08	4.63432E-09	3.80735E-14	5.48258E-16	1.90037E-14	9.12178E-17
606	571030.55	4178678.99	0.55, 41786	0.98373	1.03259	0.8073	224.24787	96.85684	406.17161	32.03518	21.71644	50.77145	1.14E-10	1.63E-08	3.89E-09	3.53E-14	1.07E-13	8.42E-14	1.29E-16	3.11E-15	1.71E-16	3.40689E-15	1.271E-11	1.6319E-08	3.89483E-09	3.61118E-14	5.2001E-16	1.80245E-14	8.65178E-17
607	571070.55	4178678.99	0.55, 41786	0.92088	0.95493	0.77727	234.21131	81.25508	306.97474	29.84103	18.74017	38.37184	1.06E-10	1.37E-08	3.51E-09	3.28E-14	9.91E-14	7.82E-14	1.2E-16	2.89E-15	1.59E-16	3.16576E-15	1.181E-11	1.373E-08	3.51375E-09	3.3556E-14	4.83206E-16	1.67489E-14	8.03945E-17
608	571110.55	4178678.99	0.55, 41786	0.85296	0.87816	0.75636	249.82687	76.90023	376.11255	32.83771	18.41049	47.06858	9.84E-11	1.44E-08	3.93E-09	3.04E-14	9.17E-14	7.24E-14	1.11E-16	2.67E-15	1.47E-16	2.92899E-15	1.093E-11	1.4379E-08	3.92866E-09	3.10462E-14	4.47065E-16	1.54961E-14	7.43815E-17
609	571150.55	4178678.99	0.55, 41786	0.78449	0.80428	0.7091	184.12399	71.8753	265.86204	26.94504	17.68151	37.98029	9.03E-11	1.18E-08	3.22E-09	2.79E-14	8.42E-14	6.65E-14	1.02E-16	2.45E-15	1.35E-16	2.68982E-15	1.004E-11	1.1836E-08	3.21544E-09	2.85111E-14	4.1056E-16	1.42308E-14	6.83079E-17
610	571190.55	4178678.99	0.55, 41786	0.70872	0.73542	0.64227	192.12547	69.23049	267.93218	27.25383	16.04767	37.1098	8.24E-11	1.17E-08	3.24E-09	2.54E-14	7.68E-14	6.07E-14	9.27E-17	2.24E-15	1.24E-16	2.45456E-15	9.159E-12	1.1704E-08	3.23556E-09	2.60175E-14	3.74652E-16	1.29862E-14	6.23336E-17
611	571230.55	4178678.99	0.55, 41786	0.64141	0.6715	0.58509	152.95792	62.82263	210.7281	21.78847	14.44714	29.62503	7.52E-11	9.99E-09	2.59E-09	2.32E-14	7.01E-14	5.53E-14	8.45E-17	2.04E-15	1.13E-16	2.23896E-15	8.355E-12	9.9861E-09	2.58617E-09	2.37322E-14	3.41744E-16	1.18455E-14	5.68584E-17
612	571270.55	4178678.99	0.55, 41786	0.5854	0.61191	0.54631	124.65244	57.66905	171.62004	20.54509	12.75642	28.60334	6.87E-11	8.73E-09	2.45E-09	2.12E-14	6.4E-14	5.06E-14	7.72E-17	1.87E-15	1.03E-16	2.04556E-15	7.633E-12	8.7258E-09	2.44715E-09	2.16823E-14	3.12224E-16	1.08223E-14	5.19471E-17
613	571310.55	4178678.99	0.55, 41786	0.53447	0.5582	0.50849	125.80787	55.1913	171.33448	17.97255	11.70277	24.47635	6.28E-11	8.51E-09	2.13E-09	1.94E-14	5.85E-14	4.62E-14	7.06E-17	1.71E-15	9.41E-17	1.87002E-15	6.978E-12	8.5085E-09	2.13375E-09	1.98215E-14	2.8543E-16	9.89357E-15	4.74891E-17
614	571350.55	4178678.99	0.55, 41786	0.48504	0.50906	0.46427	111.39997	53.56601	157.83086	13.925	11.19981	19.72886	5.73E-11	8.04E-09	1.66E-09	1.77E-14	5.33E-14	4.21E-14	6.44E-17	1.55E-15	8.58E-17	1.70488E-15	6.362E-12	8.0398E-09	1.66301E-09	1.80711E-14	2.60224E-16	9.01986E-15	4.32953E-17
615	571390.55	4178678.99	0.55, 41786	0.44312	0.4655	0.42576	107.51836	51.27371	117.14548	13.43979	10.40254	14.64318	5.24E-11	7.27E-09	1.55E-09	1.62E-14	4.88E-14	3.85E-14	5.89E-17	1.42E-15	7.85E-17	1.55933E-15	5.819E-12	7.2701E-09	1.54871E-09	1.65283E-14	2.38008E-16	8.24982E-15	3.95992E-17
616	571430.55	4178678.99	0.55, 41786	0.41031	0.42684	0.39928	122.12368	48.88835	136.65658	17.23844	9.36082	18.91196	4.82E-11	7.45E-09	1.99E-09	1.49E-14	4.49E-14	3.55E-14	5.42E-17	1.31E-15	7.22E-17	1.43443E-15	5.353E-12	7.4527E-09	1.98811E-09	1.52045E-14	2.18944E-16	7.58904E-15	3.64274E-17
617	571470.55	4178678.99	0.55, 41786	0.38401	0.39267	0.38101	130.83453	46.56818	169.29762	18.03085	8.50414	22.62935	4.46E-11	7.75E-09	2.12E-09	1.38E-14	4.15E-14	3.28E-14	5.01E-17	1.21E-15	6.68E-17	1.32682E-15	4.951E-12	7.749E-09	2.11599E-09	1.40639E-14	2.0252E-16	7.01972E-15	3.36947E-17
618	571510.55	4178678.99	0.55, 41786	0.35733	0.36026	0.36021	104.69184	43.30646	125.50481	14.57371	7.68103	16.95061	4.11E-11	6.62E-09	1.69E-09	1.27E-14	3.83E-14	3.02E-14	4.62E-17	1.12E-15	6.16E-17	1.2229E-15	4.563E-12	6.623E-09	1.69311E-09	1.29623E-14	1.86658E-16	6.46992E-15	3.10556E-17
619	571550.55	4178678.99	0.55, 41786	0.32923	0.33046	0.33426	93.91251	40.06683	115.0705	13.41607	6.60436	16.43864	3.77E-11	6.08E-09	1.57E-09	1.16E-14	3.52E-14	2.78E-14	4.24E-17	1.02E-15	5.66E-17	1.12366E-15	4.193E-12	6.084E-09	1.56931E-09	1.19104E-14	1.7151E-16	5.94486E-15	2.85353E-17
620	571590.55	4178678.99	0.55, 41786	0.30119	0.30402	0.3057	90.51235	37.8645	108.48539	11.49242	5.95997	13.56067	3.47E-11	5.76E-09	1.34E-09	1.07E-14	3.23E-14	2.55E-14	3.9E-17	9.42E-16	5.2E-17	1.03255E-15	3.853E-12	5.7643E-09	1.33762E-09	1.09446E-14	1.57602E-16	5.4628E-15	2.62215E-17
621	570310.55	4178718.99	0.55, 41787	0.10285	0.08839	0.09803	86.08959	31.99227	98.88317	10.7612	4.57032	12.3604	1.04E-11	5.06E-09	1.25E-09	3.2E-15	9.65E-15	7.62E-15	1.16E-17	2.81E-16	1.55E-17	3.08356E-16	1.151E-12	5.0614E-09	1.24819E-09	3.26846E-15	4.70658E-17	1.63139E-15	7.83068E-18
622	570350.55	4178718.99	0.55, 41787	0.11563	0.10049	0.11012	90.6137	34.18211	105.82439	11.32671	4.88316	13.22805	1.17E-11	5.4E-09	1.32E-09	3.62E-15	1.09E-14	8.64E-15	1.32E-17	3.19E-16	1.76E-17	3.49663E-16	1.305E-12	5.3961E-09	1.31658E-09	3.70631E-15	5.33708E-17	1.84994E-15	8.87969E-18
623	570390.55	4178718.99	0.55, 41787	0.13114	0.11521	0.12472	102.01088	38.97546	110.90458	12.75136	5.08393	13.86307	1.34E-11	6.01E-09	1.47E-09	4.14E-15	1.25E-14	9.88E-15	1.51E-17	3.65E-16	2.01E-17	3.99863E-16	1.492E-12	6.0143E-09	1.469E-09	4.23841E-15	6.10331E-17	2.11552E-15	1.01545E-17
624	570430.55	4178718.99	0.55, 41787	0.15	0.13322	0.1425	114.28488	46.41789	135.81295	14.28561	5.80224	16.97662	1.55E-11	7.14E-09	1.66E-09	4.78E-15	1.44E-14	1.14E-14	1.74E-17	4.21E-16	2.32E-17	4.61216E-16	1.721E-12	7.1367E-09	1.66427E-09	4.88872E-15	7.03976E-17	2.44012E-15	1.17126E-17
625	570470.55	4178718.99	0.55, 41787	0.17288	0.1553	0.16447	122.16306	52.59309	158.80652	15.27038	6.67803	19.85082	1.8E-11	8.07E-09	1.8E-09	5.56E-15	1.68E-14	1.33E-14	2.03E-17	4.89E-16	2.7E-17	5.36424E-16	2.002E-12	8.0741E-09	1.80082E-09	5.68591E-15	8.18771E-17	2.83802E-15	1.36225E-17
626	570510.55	4178718.99	0.55, 41787	0.1999	0.18201	0.19124	126.87173	56.8638	170.00598	15.85897	8.56143	21.25075	2.11E-11	8.65E-09	1.88E-09	6.5E-15	1.96E-14	1.55E-14	2.37E-17	5.72E-16	3.16E-17	6.27277E-16	2.341E-12	8.6546E-09	1.87837E-09	6.64891E-15	9.57443E-17	3.31868E-15	1.59297E-17
627	570550.55	4178718.99	0.55, 41787	0.2328	0.21534	0.22528	141.7684	62.68438	190.3461	19.27806	10.36338	23.79326	2.49E-11	9.6E-09	2.26E-09	7.68E-15	2.32E-14	1.83E-14	2.8E-17	6.75E-16	3.73E-17	7.4064E-16	2.764E-12	9.5977E-09	2.25721E-09	7.85052E-15	1.13047E-16	3.91844E-15	1.88085E-17
628	570590.55	4178718.99	0.55, 41787	0.2704	0.25529	0.2651	152.6333	65.86327	220.26265	21.80476	11.76563	29.62209	2.94E-11	1.04E-08	2.59E-09	9.07E-15	2.74E-14	2.16E-14	3.31E-17	7.98E-16	4.41E-17	8.75585E-16	3.267E-12	1.0382E-08	2.58778E-09	9.28088E-15	1.33645E-16	4.63239E-15	2.22355E-17
629	570630.55	4178718.99	0.55, 41787	0.31352	0.30328	0.30884	160.25221	70.5161	243.59554	22.89317	12.52474	34.32359	3.48E-11	1.12E-08	2.76E-09	1.07E-14	3.24E-14	2.56E-14	3.91E-17	9.44E-16	5.21E-17	1.0355E-15	3.864E-12	1.1182E-08	2.75824E-09	1.09759E-14	1.58054E-16	5.47844E-15	2.62965E-17
630	570670.55	4178718.99	0.55, 41787	0.36149	0.3594	0.35242	159.13882	79.23774	228.99362	22.73412	14.05012	31.24302	4.09E-11	1.18E-08	2.7E-09	1.26E-14	3.81E-14	3.01E-14	4.6E-17	1.11E-15	6.14E-17	1.21887E-15	4.548E-12	1.1778E-08	2.70267E-09	1.29196E-14	1.86042E-16	6.44858E-15	3.09532E-17
631	570710.55	4178718.99	0.55, 41787	0.41184	0.42167	0.39325	168.39934	82.78202	268.08178	23.84947	15.22445	37.49142	4.76E-11	1.27E-08	2.9E-09	1.47E-14	4.44E-14	3.51E-14	5.36E-17	1.29E-15	7.14E-17	1.41859E-15	5.294E-12	1.2696E-08	2.89568E-09	1.50365E-14	2.16526E-16	7.50521E-15	3.6025E-17
632	570750.55	4178718.99	0.55, 41787	0.46631	0.48852	0.43046	193.26616	81.97611	266.60906	24.83922	16.78199	33.32613	5.48E-11	1.29E-08	2.94E-09	1.69E-14	5.1E-14	4.03E-14	6.16E-17	1.49E-15	8.21E-17	1.63059E-15	6.085E-12	1.2859E-08	2.94255E-09	1.72837E-14	2.48885E-16	8.62685E-15	4.14089E-17
633	570790.55	4178718.99	0.55, 41787	0.5297	0.5627	0.45402	208.56721	92.88706	267.98327	26.09236	23.00092	33.50993	6.25E-11	1.4E-08	3.07E-09	1.93E-14	5.82E-14	4.6E-14	7.02E-17	1.7E-15	9.36E-17	1.85998E-15	6.941E-12	1.4026E-08	3.07181E-09	1.97151E-14	2.83898E-16	9.84045E-15	4.72341E-17
634	570830.55	4178718.99	0.55, 41787	0.58417	0.63922	0.49731	206.25232	102.59816	258.13483	28.9378	25.69667	32.26685	7.05E-11	1.48E-08	3.34E-09	2.18E-14	6.57E-14	5.19E-14	7.93E-17	1.92E-15	1.06E-16	2.10051E-15	7.838E-12	1.476E-08	3.34405E-09	2.22647E-14	3.20612E-16	1.1113E-14	5.33425E-17
635	570870.55	4178718.99	0.55, 41787	0.63384	0.71183	0.60618	208.40577	136.85909	408.7133	28.70976	24.7437	51.08916	7.91E-11	1.98E-08	3.56E-09	2.44E-14	7.37E-14	5.82E-14	8.89E-17	2.15E-15	1.18E-16	2.35401E-15	8.784E-12	1.983E-08	3.56212E-09	2.49516E-14	3.59303E-16	1.24541E-14	5.97799E-17
636	570910.55	4178718.99	0.55, 41787	0.68401	0.75343	0.58123	211.07044	124.31957	366.90455	30.70854	25.49482	45.86307	8.3E-11	1.82E-08	3.7E-09	2.56E-14	7.74E-14	6.11E-14	9.33E-17	2.25E-15	1.24E-16	2.47255E-15	9.226E-12	1.818E-08	3.69758E-09	2.62081E-14	3.77397E-16	1.30813E-14	6.27903E-17
637	570950.55	4178718.99	0.55, 41787	0.69007	0.76497	0.57081	207.10313	108.18225	376.87466	30.79195	24.65468	47.10933	8.4E-11	1.68E-08	3.72E-09	2.59E-14	7.83E-14	6.18E-14	9.44E-17	2.28E-15	1.26E-16	2.5017E-15	9.335E-12	1.6799E-08	3.722E-09	2.65171E-14	3.81846E-16	1.32355E-14	6.35306E-17
638	570990.55	4178718.99	0.55, 41787	0.68048	0.74999	0.58632	206.58356	95.47159	294.44278	32.17827	21.60129	36.80535	8.28E-11	1.46E-08	3.73E-09	2.55E-14	7.71E-14	6.09E-14	9.3E-17	2.25E-15	1.24E-16	2.46409E-15	9.195E-12	1.458E-08	3.73037E-09	2.61185E-14	3.76106E-16	1.30366E-14	6.25755E-17
639	571030.55	4178718.99	0.55, 41787	0.66194	0.72353	0.59736	210.3532	86.11281	328.15995	30.372	18.42489	51.15716	8.03E-11	1.42E-08	3.73E-09	2.48E-14	7.48E-14	5.91E-14	9.03E-17	2.18E-15	1.2E-16	2.39093E-15	8.922E-12	1.4199E-08	3.73133E-09	2.5343E-14	3.64939E-16	1.26495E-14	6.07175E-17
640	571070.55	4178718.99	0.55, 41787	0.64029	0.68839	0.56269	181.70859	76.31707	252.84162	22.73215	15.52213	31.6052	7.64E-11	1.2E-08	2.71E-09	2.36E-14	7.12E-14	5.63E-14	8.59E-17	2.08E-15	1.15E-16	2.27585E-15	8.492E-12	1.2049E-08	2.70711E-09	2.41232E-14	3.47374E-16	1.20407E-14	5.77952E-17
641	571110.55	4178718.99	0.55, 41787	0.60626	0.64543	0.53034	207.95149	70.27092	268.27126	26.16426	14.32632	33.53391	7.18E-11	1.2E-08	3.08E-09	2.21E-14	6.69E-14	5.28E-14	8.07E-17	1.95E-15	1.08E-16	2.13669E-15	7.973E-12	1.1965E-08	3.0794E-09	2.26481E-14	3.26133E-16	1.13044E-14	5.42611E-17
642	571150.55	4178718.99	0.55, 41787	0.57256	0.60327	0.52806	200.64391	66.12781	289.68563	25.68735	14.52342	36.23202	6.75E-11	1.18E-08	3.07E-09	2.08E-14	6.29E-14	4.97E-14	7.59E-17	1.83E-15	1.01E-16	2.01127E-15	7.505E-12	1.1787E-08	3.06567E-09	2.13187E-14	3.06989E-16	1.06408E-14	5.1076E-17
643	571190.55	4178718.99	0.55, 41787	0.53842	0.56251	0.50995	154.3512	63.9477	213.38711	22.19645	14.00077	30.48387	6.33E-11	1.01E-08	2.64E-09	1.95E-14	5.89E-14	4.66E-14	7.11E-17	1.72E-15	9.48E-17	1.88346E-15	7.028E-12	1.0137E-08	2.63849E-09	1.9964E-14	2.87482E-16	9.96469E-15	4.78305E-17
644	571230.55	4178718.99	0.55, 41787	0.49735	0.52247	0.4676	159.72675	60.41971	199.28282	22.34048	12.75874	27.30767	5.86E-11	9.69E-09	2.61E-09	1.81E-14	5.46E-14	4.32E-14	6.59E-17	1.59E-15	8.79E-17	1.74625E-15	6.516E-12	9.6902E-09	2.61238E-09	1.85096E-14	2.66539E-16	9.23875E-15	4.4346E-17
645	571270.55	4178718.99	0.55, 41787	0.45612	0.4836	0.42898	144.14128	55.22387	195.55309	20.17616	11.51496	26.9261	5.42E-11	9.01E-09	2.39E-09	1.67E-14	5.05E-14	3.99E-14	6.09E-17	1.47E-15	8.12E-17	1.61358E-15	6.021E-12	9.0097E-09	2.3883E-09	1.71034E-14	2.46289E-16	8.53686E-15	4.09769E-17
646	571310.55	4178718.99	0.55, 41787	0.42006	0.44717	0.39945	118.44349	52.26024	154.81704	17.97136	10.56882	25.80284	5.01E-11	7.95E-09	2.15E-09	1.55E-14	4.67E-14	3.69E-14	5.63E-17	1.36E-15	7.51E-17	1.49257E-15	5.57E-12	7.9546E-09	2.15062E-09	1.58208E-14	2.27819E-16	7.89664E-15	3.79039E-17
647	571350.55	4178718.99	0.55, 41787	0.38785	0.41385	0.37184	109.17018	50.24459	147.83356	14.07795	10.0186	18.4792	4.64E-11	7.59E-09	1.66E-09	1.43E-14	4.32E-14	3.42E-14	5.22E-17	1.26E-15	6.96E-17	1.3819E-15	5.157E-12	7.5866E-09	1.66249E-09	1.46477E-14	2.10926E-16	7.31112E-15	3.50934E-17
648	571390.55	4178718.99	0.55, 41787	0.35875	0.38356	0.34391	87.70597	48.80309	113.13015	10.96325	9.64341	14.14127	4.3E-11	6.79E-09	1.29E-09	1.33E-14	4.01E-14	3.16E-14	4.83E-17	1.17E-15	6.44E-17	1.28027E-15	4.777E-12	6.7907E-09	1.29147E-09	1.35704E-14	1.95414E-16	6.77342E-15	3.25124E-17
649	571430.55	4178718.99	0.55, 41787	0.33385	0.35563	0.32061	80.9107	47.09106	69.47289	11.59229	8.99084	10.76512	3.99E-11	6.01E-09	1.31E-09	1.23E-14	3.72E-14	2.94E-14	4.49E-17	1.08E-15	5.98E-17	1.18808E-15	4.433E-12	6.0059E-09	1.31192E-09	1.25932E-14	1.81343E-16	6.28569E-15	3.01713E-17
650	571470.55	4178718.99	0.55, 41787	0.31507	0.33052	0.30587	111.40642	45.19171	126.48359	15.57659	8.16367	17.53078	3.72E-11	6.88E-09	1.8E-09	1.15E-14	3.47E-14	2.74E-14	4.19E-17	1.01E-15	5.58E-17	1.10867E-15	4.137E-12	6.876E-09	1.80211E-09	1.17515E-14	1.69222E-16	5.86555E-15	2.81546E-17
651	571510.55	4178718.99	0.55, 41787	0.29891	0.30701	0.29518	116.70467	43.07153	146.87884	15.95519	7.46065	19.6972	3.48E-11	7E-09	1.87E-09	1.07E-14	3.24E-14	2.56E-14	3.91E-17	9.45E-16	5.21E-17	1.03594E-15	3.866E-12	6.9987E-09	1.86821E-09	1.09806E-14	1.58121E-16	5.48076E-15	2.63077E-17
652	571550.55	4178718.99	0.55, 41787	0.28299	0.28542	0.28355	93.20798	40.2806	109.70993	12.81909	6.80365	14.78577	3.25E-11	6.03E-09	1.49E-09	1E-14	3.03E-14	2.39E-14	3.65E-17	8.83E-16	4.87E-17	9.68128E-16	3.613E-12	6.0275E-09	1.48768E-09	1.02618E-14	1.4777E-16	5.122E-15	2.45856E-17
653	571590.55	4178718.99	0.55, 41787	0.2649	0.26495	0.26753	84.18961	37.57199	100.50298	12.02709	5.93847	14.35757	3.03E-11	5.57E-09	1.4E-09	9.34E-15	2.82E-14	2.23E-14	3.4E-17	8.22E-16	4.54E-17	9.01015E-16	3.362E-12	5.5706E-09	1.40198E-09	9.55043E-15	1.37526E-16	4.76693E-15	2.28812E-17
654	570310.55	4178758.99	0.55, 41787	0.10291	0.08971	0.0989	86.89901	32.22927	93.76167	10.86238	4.40505	11.72021	1.05E-11	5.03E-09	1.25E-09	3.24E-15	9.77E-15	7.72E-15	1.18E-17	2.85E-16	1.57E-17	3.12283E-16	1.165E-12	5.0257E-09	1.25024E-09	3.31009E-15	4.76653E-17	1.65217E-15	7.93043E-18
655	570350.55	4178758.99	0.55, 41787	0.11544	0.10167	0.11074	97.89636	38.6449	111.66772	12.23704	4.83061	13.95846	1.19E-11	5.95E-09	1.42E-09	3.66E-15	1.1E-14	8.73E-15	1.33E-17	3.22E-16	1.78E-17	3.5304E-16	1.317E-12	5.9518E-09	1.41813E-09	3.7421E-15	5.38862E-17	1.8678E-15	8.96545E-18
656	570390.55	4178758.99	0.55, 41787	0.13027	0.11595	0.12485	105.67733	44.34348	129.76492	13.20967	5.54293	16.22061	1.35E-11	6.78E-09	1.55E-09	4.16E-15	1.26E-14	9.93E-15	1.52E-17	3.66E-16	2.02E-17	4.01653E-16	1.499E-12	6.7821E-09	1.54562E-09	4.25738E-15	6.13062E-17	2.12499E-15	1.02E-17
657	570430.55	4178758.99	0.55, 41787	0.14773	0.133	0.14184	109.21499	48.49986	141.11126	13.65187	6.24447	17.63891	1.54E-11	7.34E-09	1.61E-09	4.76E-15	1.44E-14	1.14E-14	1.74E-17	4.19E-16	2.31E-17	4.59675E-16	1.715E-12	7.3421E-09	1.60857E-09	4.87239E-15	7.01624E-17	2.43196E-15	1.16734E-17
658	570470.55	4178758.99	0.55, 41787	0.16767	0.15301	0.16202	117.79795	52.53636	140.35154	14.72474	7.71399	17.54394	1.77E-11	7.79E-09	1.72E-09	5.47E-15	1.65E-14	1.3E-14	1.99E-17	4.81E-16	2.66E-17	5.27693E-16	1.969E-12	7.7877E-09	1.71601E-09	5.59336E-15	8.05443E-17	2.79182E-15	1.34007E-17
659	570510.55	4178758.99	0.55, 41787	0.191	0.17712	0.1864	128.29828	56.17436	171.94141	17.6792	9.03197	21.49268	2.05E-11	8.63E-09	2.07E-09	6.32E-15	1.91E-14	1.51E-14	2.3E-17	5.56E-16	3.07E-17	6.09461E-16	2.274E-12	8.6313E-09	2.06581E-09	6.46006E-15	9.30249E-17	3.22442E-15	1.54772E-17
660	570550.55	4178758.99	0.55, 41787	0.21672	0.20498	0.21341	137.63049	58.52483	184.29573	19.6615	9.95092	26.17497	2.36E-11	9.1E-09	2.33E-09	7.29E-15	2.2E-14	1.74E-14	2.65E-17	6.41E-16	3.54E-17	7.03125E-16	2.624E-12	9.0992E-09	2.32656E-09	7.45287E-15	1.07321E-16	3.71996E-15	1.78558E-17
661	570590.55	4178758.99	0.55, 41787	0.24504	0.23724	0.24166	142.23889	62.68425	205.21483	20.31984	10.25836	28.57469	2.72E-11	9.79E-09	2.42E-09	8.39E-15	2.53E-14	2E-14	3.06E-17	7.39E-16	4.08E-17	8.09981E-16	3.022E-12	9.793E-09	2.42398E-09	8.58551E-15	1.23631E-16	4.2853E-15	2.05694E-17
662	570630.55	4178758.99	0.55, 41787	0.27554	0.27375	0.26892	139.19636	70.02218	188.40794	19.61007	11.07526	25.7042	3.12E-11	1.02E-08	2.32E-09	9.62E-15	2.91E-14	2.3E-14	3.51E-17	8.47E-16	4.67E-17	9.28644E-16	3.465E-12	1.0214E-08	2.31532E-09	9.84329E-15	1.41743E-16	4.9131E-15	2.35829E-17
663	570670.55	4178758.99	0.55, 41787	0.30614	0.31293	0.29402	149.31547	72.47289	221.2081	21.10931	12.07881	31.37185	3.54E-11	1.1E-08	2.54E-09	1.09E-14	3.3E-14	2.6E-14	3.98E-17	9.61E-16	5.3E-17	1.05375E-15	3.932E-12	1.0961E-08	2.53977E-09	1.11694E-14	1.60839E-16	5.57499E-15	2.67599E-17
664	570710.55	4178758.99	0.55, 41787	0.33494	0.35231	0.31792	164.794	71.08708	213.69891	21.55176	13.08376	26.71236	3.96E-11	1.09E-08	2.52E-09	1.22E-14	3.69E-14	2.91E-14	4.45E-17	1.07E-15	5.93E-17	1.17839E-15	4.397E-12	1.0898E-08	2.52487E-09	1.24905E-14	1.79863E-16	6.23441E-15	2.99252E-17
665	570750.55	4178758.99	0.55, 41787	0.36674	0.3924	0.33661	179.38877	78.60477	216.64393	22.4236	16.36841	27.08049	4.38E-11	1.18E-08	2.62E-09	1.35E-14	4.08E-14	3.22E-14	4.92E-17	1.19E-15	6.56E-17	1.30388E-15	4.865E-12	1.1769E-08	2.61789E-09	1.38207E-14	1.99018E-16	6.89835E-15	3.31121E-17
666	570790.55	4178758.99	0.55, 41787	0.40357	0.43625	0.34677	166.36606	82.34558	242.62848	21.7564	19.87746	30.35713	4.83E-11	1.23E-08	2.59E-09	1.49E-14	4.5E-14	3.55E-14	5.43E-17	1.31E-15	7.24E-17	1.43785E-15	5.365E-12	1.2309E-08	2.5923E-09	1.52407E-14	2.19466E-16	7.6071E-15	3.65141E-17
667	570830.55	4178758.99	0.55, 41787	0.43354	0.48203	0.39259	188.6599	98.62945	246.30784	24.95504	19.43466	30.78848	5.33E-11	1.41E-08	2.92E-09	1.65E-14	4.97E-14	3.93E-14	6E-17	1.45E-15	8E-17	1.58855E-15	5.928E-12	1.4067E-08	2.92176E-09	1.68381E-14	2.42469E-16	8.40443E-15	4.03413E-17
668	570870.55	4178758.99	0.55, 41787	0.46387	0.52331	0.45582	172.12292	120.25167	329.63715	21.51536	18.67269	41.20464	5.82E-11	1.69E-08	2.71E-09	1.8E-14	5.43E-14	4.29E-14	6.55E-17	1.58E-15	8.73E-17	1.73382E-15	6.47E-12	1.6934E-08	2.70687E-09	1.83778E-14	2.64641E-16	9.17296E-15	4.40302E-17
669	570910.55	4178758.99	0.55, 41787	0.49085	0.54778	0.42691	176.15826	108.72169	296.15879	23.43896	19.655	37.01985	6.04E-11	1.55E-08	2.85E-09	1.86E-14	5.62E-14	4.44E-14	6.79E-17	1.64E-15	9.05E-17	1.79734E-15	6.707E-12	1.5496E-08	2.84806E-09	1.90512E-14	2.74337E-16	9.50905E-15	4.56434E-17
670	570950.55	4178758.99	0.55, 41787	0.48762	0.55475	0.41816	180.46301	97.04885	324.78811	24.36206	20.46933	40.59851	6.09E-11	1.48E-08	2.99E-09	1.88E-14	5.67E-14	4.48E-14	6.84E-17	1.65E-15	9.12E-17	1.81191E-15	6.761E-12	1.4845E-08	2.9874E-09	1.92056E-14	2.7656E-16	9.58612E-15	4.60134E-17
671	570990.55	4178758.99	0.55, 41787	0.49051	0.55159	0.43765	151.23194	87.28492	222.11928	25.20532	17.38113	28.62893	6.08E-11	1.23E-08	2.92E-09	1.88E-14	5.67E-14	4.48E-14	6.84E-17	1.65E-15	9.12E-17	1.81166E-15	6.76E-12	1.2341E-08	2.91944E-09	1.9203E-14	2.76523E-16	9.58481E-15	4.60071E-17
672	571030.55	4178758.99	0.55, 41787	0.48428	0.53663	0.45626	187.58168	78.86438	272.43541	28.06386	15.68835	45.4059	5.97E-11	1.26E-08	3.42E-09	1.84E-14	5.56E-14	4.39E-14	6.71E-17	1.62E-15	8.94E-17	1.77631E-15	6.628E-12	1.2592E-08	3.42389E-09	1.88283E-14	2.71127E-16	9.3978E-15	4.51094E-17
673	571070.55	4178758.99	0.55, 41787	0.467	0.51625	0.43604	163.79974	72.83551	258.94072	22.54296	13.46245	32.36759	5.74E-11	1.16E-08	2.7E-09	1.77E-14	5.34E-14	4.22E-14	6.45E-17	1.56E-15	8.6E-17	1.70809E-15	6.374E-12	1.1626E-08	2.69772E-09	1.81051E-14	2.60714E-16	9.03685E-15	4.33769E-17
674	571110.55	4178758.99	0.55, 41787	0.44755	0.4933	0.39624	157.0432	65.36033	149.25903	19.63651	11.35189	22.10234	5.46E-11	9.47E-09	2.27E-09	1.68E-14	5.08E-14	4.02E-14	6.13E-17	1.48E-15	8.18E-17	1.62477E-15	6.063E-12	9.4714E-09	2.27184E-09	1.72219E-14	2.47996E-16	8.59602E-15	4.12609E-17
675	571150.55	4178758.99	0.55, 41787	0.4302	0.46818	0.38775	183.98767	62.14189	232.46693	23.05685	11.54043	29.05837	5.2E-11	1.05E-08	2.71E-09	1.6E-14	4.84E-14	3.83E-14	5.84E-17	1.41E-15	7.79E-17	1.54815E-15	5.777E-12	1.0521E-08	2.70736E-09	1.64098E-14	2.36302E-16	8.19067E-15	3.93152E-17
676	571190.55	4178758.99	0.55, 41787	0.41561	0.44245	0.39452	166.33485	59.4631	232.20811	21.02615	11.70076	29.03347	4.96E-11	1.01E-08	2.5E-09	1.53E-14	4.62E-14	3.65E-14	5.57E-17	1.35E-15	7.43E-17	1.47654E-15	5.51E-12	1.0093E-08	2.50138E-09	1.56508E-14	2.25372E-16	7.81183E-15	3.74968E-17
677	571230.55	4178758.99	0.55, 41787	0.39577	0.41616	0.38297	133.04594	57.55284	174.38403	19.00656	11.25795	24.912	4.68E-11	8.84E-09	2.24E-09	1.45E-14	4.36E-14	3.45E-14	5.27E-17	1.27E-15	7.02E-17	1.39483E-15	5.205E-12	8.8367E-09	2.24405E-09	1.47847E-14	2.12899E-16	7.3795E-15	3.54216E-17
678	571270.55	4178758.99	0.55, 41787	0.36933	0.38979	0.3568	133.93343	52.76944	163.09994	18.49966	10.32502	20.38749	4.38E-11	8.27E-09	2.13E-09	1.35E-14	4.08E-14	3.23E-14	4.93E-17	1.19E-15	6.57E-17	1.3053E-15	4.871E-12	8.2658E-09	2.13474E-09	1.38357E-14	1.99235E-16	6.90585E-15	3.31481E-17
679	571310.55	4178758.99	0.55, 41787	0.3411	0.36413	0.32902	131.1619	50.25063	168.23883	18.11843	9.56125	22.87944	4.09E-11	8.07E-09	2.13E-09	1.26E-14	3.81E-14	3.01E-14	4.59E-17	1.11E-15	6.12E-17	1.21654E-15	4.54E-12	8.074E-09	2.12806E-09	1.28949E-14	1.85686E-16	6.43625E-15	3.0894E-17
680	571350.55	4178758.99	0.55, 41787	0.31543	0.34037	0.30452	103.20737	47.94128	136.71003	14.62528	9.08266	18.8743	3.81E-11	7.17E-09	1.72E-09	1.18E-14	3.55E-14	2.81E-14	4.28E-17	1.03E-15	5.71E-17	1.13496E-15	4.235E-12	7.1733E-09	1.72298E-09	1.20302E-14	1.73235E-16	6.00465E-15	2.88223E-17
681	571390.55	4178758.99	0.55, 41787	0.29206	0.31801	0.28181	95.20975	46.26011	128.00267	11.90122	8.7596	16.00033	3.56E-11	6.83E-09	1.41E-09	1.1E-14	3.31E-14	2.62E-14	4E-17	9.65E-16	5.33E-17	1.05856E-15	3.95E-12	6.8267E-09	1.41028E-09	1.12204E-14	1.61573E-16	5.60045E-15	2.68822E-17
682	571430.55	4178758.99	0.55, 41787	0.27184	0.29676	0.26169	65.82255	44.97926	77.28464	8.48847	8.42183	11.06277	3.32E-11	5.76E-09	1E-09	1.02E-14	3.09E-14	2.44E-14	3.73E-17	9E-16	4.97E-17	9.8712E-16	3.683E-12	5.7591E-09	1.0014E-09	1.04631E-14	1.50669E-16	5.22248E-15	2.50679E-17
683	571470.55	4178758.99	0.55, 41787	0.25781	0.27877	0.24855	74.19853	43.62462	66.74746	10.92817	7.8818	10.16339	3.12E-11	5.59E-09	1.24E-09	9.63E-15	2.91E-14	2.3E-14	3.51E-17	8.47E-16	4.68E-17	9.29067E-16	3.467E-12	5.5866E-09	1.23695E-09	9.84777E-15	1.41808E-16	4.91534E-15	2.35936E-17
684	571510.55	4178758.99	0.55, 41787	0.24715	0.26193	0.24035	102.14842	42.0514	116.58455	14.2101	7.23025	16.16505	2.95E-11	6.37E-09	1.65E-09	9.09E-15	2.74E-14	2.17E-14	3.31E-17	8E-16	4.41E-17	8.77043E-16	3.273E-12	6.3684E-09	1.64622E-09	9.29634E-15	1.33867E-16	4.6401E-15	2.22725E-17
685	571550.55	4178758.99	0.55, 41787	0.23772	0.24585	0.23427	104.82233	40.15762	128.89855	14.31586	6.66643	17.41071	2.78E-11	6.38E-09	1.67E-09	8.58E-15	2.59E-14	2.05E-14	3.13E-17	7.55E-16	4.17E-17	8.28263E-16	3.091E-12	6.3813E-09	1.67289E-09	8.77929E-15	1.26422E-16	4.38202E-15	2.10337E-17
686	571590.55	4178758.99	0.55, 41787	0.22808	0.23097	0.22747	83.60184	37.747	96.99907	11.46846	6.12919	13.15855	2.63E-11	5.54E-09	1.33E-09	8.11E-15	2.45E-14	1.93E-14	2.95E-17	7.13E-16	3.94E-17	7.82397E-16	2.92E-12	5.5356E-09	1.33005E-09	8.29313E-15	1.19421E-16	4.13937E-15	1.9869E-17
687	570310.55	4178798.99	0.55, 41787	0.10253	0.09048	0.09887	92.22772	37.68456	108.42661	11.52846	4.71057	13.55333	1.06E-11	5.76E-09	1.34E-09	3.26E-15	9.83E-15	7.77E-15	1.19E-17	2.87E-16	1.58E-17	3.14243E-16	1.173E-12	5.7647E-09	1.34118E-09	3.33086E-15	4.79644E-17	1.66254E-15	7.98019E-18
688	570350.55	4178798.99	0.55, 41787	0.11434	0.10195	0.11024	96.42289	41.82094	119.06345	12.05286	5.22762	14.88293	1.19E-11	6.32E-09	1.41E-09	3.66E-15	1.11E-14	8.73E-15	1.33E-17	3.22E-16	1.78E-17	3.53273E-16	1.318E-12	6.3205E-09	1.41132E-09	3.74456E-15	5.39217E-17	1.86903E-15	8.97135E-18
689	570390.55	4178798.99	0.55, 41787	0.12785	0.11532	0.12365	96.70849	44.28794	121.57528	12.08856	5.83168	15.19691	1.34E-11	6.58E-09	1.42E-09	4.13E-15	1.25E-14	9.86E-15	1.51E-17	3.64E-16	2.01E-17	3.98749E-16	1.488E-12	6.5802E-09	1.41896E-09	4.2266E-15	6.0863E-17	2.10963E-15	1.01262E-17
690	570430.55	4178798.99	0.55, 41787	0.14288	0.13064	0.13911	109.4746	48.39009	132.26529	13.83026	6.97525	16.53316	1.51E-11	7.22E-09	1.61E-09	4.67E-15	1.41E-14	1.11E-14	1.7E-17	4.11E-16	2.27E-17	4.50757E-16	1.682E-12	7.2214E-09	1.61247E-09	4.77786E-15	6.88011E-17	2.38478E-15	1.1447E-17
691	570470.55	4178798.99	0.55, 41787	0.15993	0.14857	0.15692	116.3647	50.80214	153.38363	16.31235	7.92735	19.17295	1.72E-11	7.78E-09	1.9E-09	5.3E-15	1.6E-14	1.26E-14	1.93E-17	4.66E-16	2.57E-17	5.11351E-16	1.908E-12	7.7822E-09	1.89766E-09	5.42014E-15	7.805E-17	2.70536E-15	1.29857E-17
692	570510.55	4178798.99	0.55, 41787	0.17816	0.16871	0.17591	124.77861	52.11481	162.22151	17.82552	8.49382	23.1745	1.94E-11	8.1E-09	2.1E-09	6E-15	1.81E-14	1.43E-14	2.18E-17	5.28E-16	2.91E-17	5.78746E-16	2.16E-12	8.1011E-09	2.10218E-09	6.1345E-15	8.83368E-17	3.06192E-15	1.46972E-17
693	570550.55	4178798.99	0.55, 41787	0.19752	0.19131	0.19507	126.89522	56.18657	175.78093	18.12789	8.51005	24.21863	2.19E-11	8.67E-09	2.15E-09	6.77E-15	2.04E-14	1.61E-14	2.47E-17	5.96E-16	3.29E-17	6.53218E-16	2.438E-12	8.6672E-09	2.14618E-09	6.92387E-15	9.97038E-17	3.45593E-15	1.65884E-17
694	570590.55	4178798.99	0.55, 41787	0.21773	0.21627	0.21308	122.68072	62.5324	158.46837	17.14296	9.80776	21.67538	2.46E-11	8.98E-09	2.01E-09	7.61E-15	2.3E-14	1.81E-14	2.77E-17	6.69E-16	3.69E-17	7.33907E-16	2.739E-12	8.9798E-09	2.01384E-09	7.77915E-15	1.1202E-16	3.88282E-15	1.86375E-17
695	570630.55	4178798.99	0.55, 41787	0.23771	0.24268	0.22932	133.9153	64.36556	188.20796	18.95021	10.72759	26.70167	2.75E-11	9.64E-09	2.26E-09	8.47E-15	2.56E-14	2.02E-14	3.09E-17	7.46E-16	4.12E-17	8.1778E-16	3.052E-12	9.6429E-09	2.26127E-09	8.66817E-15	1.24822E-16	4.32656E-15	2.07675E-17
696	570670.55	4178798.99	0.55, 41787	0.25595	0.26895	0.24514	141.94782	63.09907	182.20008	19.13844	10.57117	23.96944	3.02E-11	9.53E-09	2.25E-09	9.33E-15	2.82E-14	2.23E-14	3.4E-17	8.21E-16	4.53E-17	9.00583E-16	3.361E-12	9.5329E-09	2.24533E-09	9.54585E-15	1.3746E-16	4.76464E-15	2.28703E-17
697	570710.55	4178798.99	0.55, 41787	0.27273	0.29382	0.2595	157.12572	66.69563	192.86918	19.64072	11.93189	24.10865	3.29E-11	1.02E-08	2.3E-09	1.01E-14	3.06E-14	2.42E-14	3.69E-17	8.92E-16	4.93E-17	9.78588E-16	3.652E-12	1.0153E-08	2.29798E-09	1.03727E-14	1.49367E-16	5.17734E-15	2.48512E-17
698	570750.55	4178798.99	0.55, 41787	0.29355	0.31916	0.26739	152.65771	72.44297	180.42039	19.08221	15.18472	22.55534	3.55E-11	1.05E-08	2.22E-09	1.1E-14	3.31E-14	2.61E-14	3.99E-17	9.64E-16	5.32E-17	1.05663E-15	3.943E-12	1.047E-08	2.22151E-09	1.11999E-14	1.61279E-16	5.59024E-15	2.68331E-17
699	570790.55	4178798.99	0.55, 41787	0.31688	0.34759	0.27611	157.73005	72.26845	195.86787	20.13646	16.34526	24.48348	3.84E-11	1.07E-08	2.35E-09	1.19E-14	3.58E-14	2.83E-14	4.32E-17	1.04E-15	5.76E-17	1.14413E-15	4.269E-12	1.0704E-08	2.35298E-09	1.21274E-14	1.74635E-16	6.05318E-15	2.90552E-17
700	570830.55	4178798.99	0.55, 41787	0.33524	0.37796	0.31984	162.23746	94.66133	234.71664	21.09567	14.73083	29.33958	4.19E-11	1.33E-08	2.51E-09	1.29E-14	3.91E-14	3.09E-14	4.71E-17	1.14E-15	6.29E-17	1.24873E-15	4.66E-12	1.3287E-08	2.51235E-09	1.32361E-14	1.906E-16	6.60657E-15	3.17116E-17
701	570870.55	4178798.99	0.55, 41787	0.35595	0.40358	0.35265	158.80625	107.46352	263.60655	19.85078	16.70272	32.95082	4.49E-11	1.48E-08	2.43E-09	1.39E-14	4.18E-14	3.3E-14	5.05E-17	1.22E-15	6.73E-17	1.33701E-15	4.989E-12	1.4787E-08	2.43254E-09	1.41718E-14	2.04074E-16	7.07361E-15	3.39533E-17
702	570910.55	4178798.99	0.55, 41787	0.3676	0.41723	0.32417	150.41188	96.98395	247.06251	18.80149	15.72408	30.88281	4.59E-11	1.35E-08	2.3E-09	1.42E-14	4.28E-14	3.38E-14	5.16E-17	1.25E-15	6.88E-17	1.3667E-15	5.1E-12	1.3535E-08	2.29978E-09	1.44865E-14	2.08605E-16	7.23067E-15	3.47072E-17
703	570950.55	4178798.99	0.55, 41787	0.34637	0.40141	0.30552	159.46188	87.41269	275.63404	19.93273	16.48069	34.45425	4.4E-11	1.31E-08	2.46E-09	1.36E-14	4.1E-14	3.24E-14	4.95E-17	1.19E-15	6.6E-17	1.31022E-15	4.889E-12	1.3123E-08	2.4601E-09	1.38879E-14	1.99986E-16	6.9319E-15	3.32731E-17
704	570990.55	4178798.99	0.55, 41787	0.35579	0.40756	0.32647	119.48057	79.68844	146.33228	17.5796	14.60553	25.33485	4.49E-11	1.04E-08	2.1E-09	1.39E-14	4.19E-14	3.31E-14	5.05E-17	1.22E-15	6.73E-17	1.33776E-15	4.992E-12	1.0353E-08	2.10495E-09	1.41798E-14	2.04189E-16	7.07758E-15	3.39724E-17
705	571030.55	4178798.99	0.55, 41787	0.37225	0.416	0.35619	155.14917	72.93399	196.55996	24.86673	12.948	30.87431	4.62E-11	1.07E-08	2.91E-09	1.43E-14	4.31E-14	3.4E-14	5.2E-17	1.26E-15	6.93E-17	1.377E-15	5.138E-12	1.0747E-08	2.91392E-09	1.45957E-14	2.10178E-16	7.28517E-15	3.49688E-17
706	571070.55	4178798.99	0.55, 41787	0.3594	0.40135	0.34666	158.59146	67.81733	220.83512	22.65592	11.74555	33.70367	4.47E-11	1.06E-08	2.73E-09	1.38E-14	4.16E-14	3.29E-14	5.02E-17	1.21E-15	6.69E-17	1.32973E-15	4.962E-12	1.0628E-08	2.72627E-09	1.40947E-14	2.02964E-16	7.03512E-15	3.37686E-17
707	571110.55	4178798.99	0.55, 41787	0.34191	0.38638	0.31575	133.9595	62.41991	198.12185	16.74494	10.40332	24.76523	4.27E-11	9.59E-09	2.01E-09	1.32E-14	3.98E-14	3.14E-14	4.8E-17	1.16E-15	6.4E-17	1.27203E-15	4.747E-12	9.5932E-09	2.01312E-09	1.34831E-14	1.94156E-16	6.72982E-15	3.23032E-17
708	571150.55	4178798.99	0.55, 41787	0.32926	0.37153	0.29721	140.52662	58.47073	122.49716	17.56829	9.74512	16.40698	4.1E-11	8.33E-09	1.99E-09	1.27E-14	3.82E-14	3.02E-14	4.61E-17	1.11E-15	6.15E-17	1.22085E-15	4.556E-12	8.3321E-09	1.98942E-09	1.29405E-14	1.86344E-16	6.45904E-15	3.10034E-17
709	571190.55	4178798.99	0.55, 41787	0.32393	0.35615	0.30055	162.80337	55.99612	201.90064	20.37225	9.46414	25.23758	3.96E-11	9.35E-09	2.39E-09	1.22E-14	3.69E-14	2.91E-14	4.45E-17	1.07E-15	5.93E-17	1.17881E-15	4.399E-12	9.3526E-09	2.38653E-09	1.2495E-14	1.79927E-16	6.23664E-15	2.99358E-17
710	571230.55	4178798.99	0.55, 41787	0.31732	0.33876	0.30501	141.0743	54.42569	191.70239	17.72831	9.52966	23.96639	3.8E-11	8.86E-09	2.1E-09	1.17E-14	3.54E-14	2.8E-14	4.27E-17	1.03E-15	5.7E-17	1.13136E-15	4.222E-12	8.8562E-09	2.10248E-09	1.1992E-14	1.72685E-16	5.9856E-15	2.87309E-17
711	571270.55	4178798.99	0.55, 41787	0.30415	0.32027	0.29829	116.54381	51.24633	144.90939	16.64912	9.13765	20.70134	3.61E-11	7.72E-09	1.95E-09	1.11E-14	3.36E-14	2.66E-14	4.06E-17	9.8E-16	5.41E-17	1.07466E-15	4.01E-12	7.7159E-09	1.95135E-09	1.13911E-14	1.64031E-16	5.68564E-15	2.72911E-17
712	571310.55	4178798.99	0.55, 41787	0.28608	0.30211	0.28212	111.77517	48.08718	136.31939	15.28029	8.60329	17.73191	3.4E-11	7.27E-09	1.77E-09	1.05E-14	3.17E-14	2.51E-14	3.83E-17	9.24E-16	5.1E-17	1.01376E-15	3.783E-12	7.2694E-09	1.77468E-09	1.07455E-14	1.54735E-16	5.36342E-15	2.57444E-17
713	571350.55	4178798.99	0.55, 41787	0.26522	0.28423	0.2608	116.94553	46.1941	139.01017	15.97517	8.23917	19.97796	3.19E-11	7.18E-09	1.87E-09	9.85E-15	2.98E-14	2.35E-14	3.59E-17	8.67E-16	4.79E-17	9.508E-16	3.548E-12	7.1845E-09	1.87383E-09	1.00781E-14	1.45125E-16	5.03032E-15	2.41455E-17
714	571390.55	4178798.99	0.55, 41787	0.24309	0.26586	0.23735	101.64822	44.37475	130.479	13.96186	7.97488	17.70328	2.97E-11	6.75E-09	1.64E-09	9.17E-15	2.77E-14	2.19E-14	3.34E-17	8.07E-16	4.46E-17	8.85311E-16	3.304E-12	6.7528E-09	1.64079E-09	9.38397E-15	1.35129E-16	4.68384E-15	2.24824E-17
715	571430.55	4178798.99	0.55, 41787	0.22645	0.25105	0.21957	78.66707	42.96369	101.00422	10.22882	7.75525	13.14754	2.8E-11	6.01E-09	1.2E-09	8.64E-15	2.61E-14	2.06E-14	3.15E-17	7.6E-16	4.19E-17	8.33309E-16	3.11E-12	6.0112E-09	1.20436E-09	8.83277E-15	1.27192E-16	4.40872E-15	2.11619E-17
716	571470.55	4178798.99	0.55, 41787	0.21325	0.23694	0.20607	47.64153	41.84289	57.10773	7.70461	7.45296	10.06314	2.64E-11	5.03E-09	9.09E-10	8.14E-15	2.46E-14	1.94E-14	2.97E-17	7.17E-16	3.96E-17	7.85887E-16	2.933E-12	5.0287E-09	9.09207E-10	8.33012E-15	1.19954E-16	4.15783E-15	1.99576E-17
717	571510.55	4178798.99	0.55, 41787	0.20623	0.22585	0.19985	71.44774	40.73398	67.79843	10.29216	7.00806	9.90291	2.52E-11	5.31E-09	1.17E-09	7.79E-15	2.35E-14	1.86E-14	2.84E-17	6.85E-16	3.78E-17	7.51314E-16	2.804E-12	5.3088E-09	1.1692E-09	7.96366E-15	1.14677E-16	3.97492E-15	1.90796E-17
718	571550.55	4178798.99	0.55, 41787	0.19818	0.21228	0.19356	94.10249	39.35835	107.36049	13.01678	6.4744	14.79864	2.38E-11	5.92E-09	1.51E-09	7.35E-15	2.22E-14	1.75E-14	2.68E-17	6.47E-16	3.57E-17	7.09678E-16	2.648E-12	5.9227E-09	1.50786E-09	7.52234E-15	1.08322E-16	3.75464E-15	1.80223E-17
719	571590.55	4178798.99	0.55, 41787	0.19254	0.20073	0.18997	94.76849	37.66806	114.23818	12.95063	6.01952	15.50303	2.27E-11	5.86E-09	1.51E-09	7E-15	2.11E-14	1.67E-14	2.55E-17	6.16E-16	3.4E-17	6.75283E-16	2.52E-12	5.8638E-09	1.51019E-09	7.15776E-15	1.03072E-16	3.57267E-15	1.71488E-17
720	570310.55	4178838.99	0.55, 41788	0.10118	0.0904	0.098	86.93136	38.98232	105.93151	10.86642	4.87279	13.24144	1.05E-11	5.8E-09	1.27E-09	3.25E-15	9.8E-15	7.74E-15	1.18E-17	2.86E-16	1.58E-17	3.13282E-16	1.169E-12	5.7966E-09	1.27014E-09	3.32068E-15	4.78178E-17	1.65746E-15	7.95579E-18
721	570350.55	4178838.99	0.55, 41788	0.1118	0.10104	0.10874	92.10266	41.60712	103.12867	11.51283	5.43734	12.89108	1.17E-11	6.05E-09	1.33E-09	3.62E-15	1.09E-14	8.64E-15	1.32E-17	3.19E-16	1.76E-17	3.49459E-16	1.304E-12	6.0526E-09	1.33111E-09	3.70414E-15	5.33396E-17	1.84885E-15	8.87449E-18
722	570390.55	4178838.99	0.55, 41788	0.12335	0.11299	0.12071	101.58992	44.39945	123.8041	13.097	6.32134	15.47551	1.31E-11	6.67E-09	1.52E-09	4.04E-15	1.22E-14	9.64E-15	1.47E-17	3.56E-16	1.96E-17	3.89939E-16	1.455E-12	6.669E-09	1.52466E-09	4.13321E-15	5.95182E-17	2.06302E-15	9.90249E-18
723	570430.55	4178838.99	0.55, 41788	0.13612	0.12663	0.1341	105.75261	46.22171	135.82058	15.10752	6.99394	17.72822	1.46E-11	7.03E-09	1.76E-09	4.52E-15	1.36E-14	1.08E-14	1.65E-17	3.98E-16	2.19E-17	4.35914E-16	1.627E-12	7.0315E-09	1.75713E-09	4.62053E-15	6.65356E-17	2.30625E-15	1.107E-17
724	570470.55	4178838.99	0.55, 41788	0.14941	0.1416	0.14777	113.55911	47.52324	144.14907	16.22273	7.30549	20.59272	1.63E-11	7.34E-09	1.91E-09	5.03E-15	1.52E-14	1.2E-14	1.83E-17	4.43E-16	2.45E-17	4.85759E-16	1.813E-12	7.3366E-09	1.90678E-09	5.14887E-15	7.41437E-17	2.56996E-15	1.23358E-17
725	570510.55	4178838.99	0.55, 41788	0.16314	0.158	0.16129	114.44641	50.69094	152.51274	16.21485	7.16417	20.85712	1.81E-11	7.74E-09	1.91E-09	5.59E-15	1.69E-14	1.33E-14	2.04E-17	4.92E-16	2.72E-17	5.39556E-16	2.013E-12	7.7412E-09	1.90937E-09	5.7191E-15	8.23551E-17	2.85459E-15	1.3702E-17
726	570550.55	4178838.99	0.55, 41788	0.17704	0.17576	0.1737	109.2842	56.30775	135.99936	15.45924	8.75778	18.63755	2E-11	7.99E-09	1.8E-09	6.18E-15	1.87E-14	1.47E-14	2.25E-17	5.44E-16	3E-17	5.96669E-16	2.226E-12	7.988E-09	1.80441E-09	6.32447E-15	9.10724E-17	3.15675E-15	1.51524E-17
727	570590.55	4178838.99	0.55, 41788	0.1907	0.19445	0.18485	121.04262	57.73789	162.59872	17.123	9.62298	23.05827	2.2E-11	8.58E-09	2.03E-09	6.8E-15	2.05E-14	1.62E-14	2.48E-17	5.98E-16	3.3E-17	6.55748E-16	2.447E-12	8.5795E-09	2.02954E-09	6.95069E-15	1.0009E-16	3.46931E-15	1.66527E-17
728	570630.55	4178838.99	0.55, 41788	0.20316	0.21304	0.19546	125.84874	56.85617	163.76967	17.26057	9.47603	21.8341	2.4E-11	8.56E-09	2.03E-09	7.4E-15	2.23E-14	1.76E-14	2.7E-17	6.51E-16	3.59E-17	7.13983E-16	2.664E-12	8.5635E-09	2.02779E-09	7.56796E-15	1.08979E-16	3.77741E-15	1.81316E-17
729	570670.55	4178838.99	0.55, 41788	0.21386	0.23043	0.20601	138.80556	56.19819	167.35734	17.35069	9.51337	20.91967	2.58E-11	8.68E-09	2.03E-09	7.96E-15	2.4E-14	1.9E-14	2.9E-17	7.01E-16	3.87E-17	7.68406E-16	2.867E-12	8.6824E-09	2.0252E-09	8.14483E-15	1.17286E-16	4.06534E-15	1.95137E-17
730	570710.55	4178838.99	0.55, 41788	0.22462	0.24643	0.21368	139.69865	64.11019	158.44625	17.46233	11.64998	19.80578	2.75E-11	9.3E-09	2.02E-09	8.48E-15	2.56E-14	2.02E-14	3.09E-17	7.46E-16	4.12E-17	8.17982E-16	3.052E-12	9.2976E-09	2.02223E-09	8.67031E-15	1.24852E-16	4.32763E-15	2.07726E-17
731	570750.55	4178838.99	0.55, 41788	0.23931	0.26333	0.21642	129.30344	65.03758	176.13066	16.25667	13.35444	22.02002	2.92E-11	9.5E-09	1.93E-09	9.01E-15	2.72E-14	2.15E-14	3.28E-17	7.93E-16	4.38E-17	8.69315E-16	3.244E-12	9.502E-09	1.9285E-09	9.21442E-15	1.32688E-16	4.59921E-15	2.20762E-17
732	570790.55	4178838.99	0.55, 41788	0.2546	0.28325	0.22784	148.04332	66.52984	161.44916	18.88746	13.10425	20.18115	3.13E-11	9.64E-09	2.17E-09	9.66E-15	2.92E-14	2.3E-14	3.52E-17	8.5E-16	4.69E-17	9.32328E-16	3.479E-12	9.6418E-09	2.17137E-09	9.88234E-15	1.42306E-16	4.93259E-15	2.36764E-17
733	570830.55	4178838.99	0.55, 41788	0.26766	0.30497	0.26524	136.3658	90.38201	203.70222	17.19519	14.05196	26.51864	3.39E-11	1.22E-08	2.08E-09	1.05E-14	3.16E-14	2.5E-14	3.81E-17	9.21E-16	5.08E-17	1.00945E-15	3.767E-12	1.2235E-08	2.08119E-09	1.06998E-14	1.54077E-16	5.34062E-15	2.5635E-17
734	570870.55	4178838.99	0.55, 41788	0.28248	0.32215	0.27934	145.76117	97.26265	213.43334	18.22015	15.13016	26.67917	3.58E-11	1.31E-08	2.19E-09	1.1E-14	3.34E-14	2.63E-14	4.02E-17	9.72E-16	5.37E-17	1.06592E-15	3.978E-12	1.3082E-08	2.18705E-09	1.12983E-14	1.62696E-16	5.63936E-15	2.70689E-17
735	570910.55	4178838.99	0.55, 41788	0.28799	0.33135	0.25629	130.6935	87.1686	210.24612	16.33669	13.50967	26.28077	3.64E-11	1.2E-08	1.99E-09	1.12E-14	3.39E-14	2.68E-14	4.09E-17	9.88E-16	5.46E-17	1.08374E-15	4.044E-12	1.1968E-08	1.9912E-09	1.14872E-14	1.65416E-16	5.73365E-15	2.75215E-17
736	570950.55	4178838.99	0.55, 41788	0.28758	0.33724	0.25781	143.26415	81.64199	232.33178	17.90802	13.93242	29.04147	3.69E-11	1.19E-08	2.19E-09	1.14E-14	3.44E-14	2.72E-14	4.15E-17	1E-15	5.54E-17	1.10016E-15	4.105E-12	1.1877E-08	2.1857E-09	1.16613E-14	1.67922E-16	5.82052E-15	2.79385E-17
737	570990.55	4178838.99	0.55, 41788	0.28844	0.33412	0.27084	115.42228	74.82901	134.90402	15.11344	13.01217	21.06919	3.68E-11	9.72E-09	1.8E-09	1.14E-14	3.43E-14	2.71E-14	4.14E-17	1E-15	5.52E-17	1.09694E-15	4.093E-12	9.7227E-09	1.80054E-09	1.16271E-14	1.67431E-16	5.80347E-15	2.78566E-17
738	571030.55	4178838.99	0.55, 41788	0.29049	0.32848	0.28015	122.60648	67.85889	167.69329	20.43441	11.21527	20.96166	3.65E-11	9.58E-09	2.34E-09	1.13E-14	3.4E-14	2.68E-14	4.1E-17	9.9E-16	5.47E-17	1.08583E-15	4.052E-12	9.5821E-09	2.33804E-09	1.15094E-14	1.65735E-16	5.74469E-15	2.75745E-17
739	571070.55	4178838.99	0.55, 41788	0.28682	0.32211	0.27916	145.80556	62.69899	194.95005	22.09774	10.44682	32.49167	3.58E-11	9.7E-09	2.65E-09	1.11E-14	3.34E-14	2.64E-14	4.03E-17	9.73E-16	5.37E-17	1.06706E-15	3.982E-12	9.6994E-09	2.65422E-09	1.13105E-14	1.62871E-16	5.64543E-15	2.70981E-17
740	571110.55	4178838.99	0.55, 41788	0.272	0.3104	0.2597	131.09883	59.8466	180.45962	17.36249	9.97443	23.15348	3.44E-11	9.1E-09	2.06E-09	1.06E-14	3.2E-14	2.53E-14	3.86E-17	9.33E-16	5.15E-17	1.02338E-15	3.819E-12	9.1034E-09	2.05501E-09	1.08474E-14	1.56203E-16	5.41431E-15	2.59887E-17
741	571150.55	4178838.99	0.55, 41788	0.26	0.30055	0.24148	99.99815	55.57889	134.60776	12.49977	9.26315	16.82597	3.31E-11	7.81E-09	1.48E-09	1.02E-14	3.09E-14	2.44E-14	3.72E-17	8.99E-16	4.96E-17	9.86068E-16	3.68E-12	7.8086E-09	1.48148E-09	1.0452E-14	1.50508E-16	5.21691E-15	2.50412E-17
742	571190.55	4178838.99	0.55, 41788	0.2552	0.29099	0.23588	127.82601	53.11626	132.48794	15.97966	8.85271	16.56099	3.21E-11	7.84E-09	1.83E-09	9.91E-15	2.99E-14	2.36E-14	3.61E-17	8.72E-16	4.82E-17	9.56556E-16	3.569E-12	7.8426E-09	1.8305E-09	1.01392E-14	1.46004E-16	5.06077E-15	2.42917E-17
743	571230.55	4178838.99	0.55, 41788	0.25406	0.28009	0.23929	144.46225	51.51588	176.21864	18.06666	8.58598	22.02733	3.12E-11	8.43E-09	2.11E-09	9.62E-15	2.9E-14	2.29E-14	3.5E-17	8.46E-16	4.67E-17	9.27967E-16	3.463E-12	8.4277E-09	2.1119E-09	9.83611E-15	1.4164E-16	4.90952E-15	2.35657E-17
744	571270.55	4178838.99	0.55, 41788	0.2507	0.26766	0.24251	121.82335	49.56018	161.92313	15.26733	8.26003	20.24326	3E-11	7.83E-09	1.81E-09	9.27E-15	2.8E-14	2.21E-14	3.38E-17	8.16E-16	4.5E-17	8.94481E-16	3.338E-12	7.8345E-09	1.80554E-09	9.48117E-15	1.36529E-16	4.73236E-15	2.27153E-17
745	571310.55	4178838.99	0.55, 41788	0.24184	0.25433	0.23951	103.21026	44.65355	122.05645	14.74432	7.58702	17.43664	2.87E-11	6.69E-09	1.72E-09	8.86E-15	2.67E-14	2.11E-14	3.23E-17	7.79E-16	4.3E-17	8.54503E-16	3.189E-12	6.6863E-09	1.71662E-09	9.05743E-15	1.30427E-16	4.52085E-15	2.17001E-17
746	571350.55	4178838.99	0.55, 41788	0.22797	0.24079	0.22797	99.0464	44.12829	113.73434	14.35742	7.39344	18.63488	2.72E-11	6.49E-09	1.69E-09	8.39E-15	2.53E-14	2E-14	3.05E-17	7.38E-16	4.07E-17	8.0917E-16	3.019E-12	6.4892E-09	1.69279E-09	8.57691E-15	1.23507E-16	4.28101E-15	2.05488E-17
747	571390.55	4178838.99	0.55, 41788	0.21103	0.22733	0.21036	102.76287	42.76623	112.22851	13.91866	7.25999	15.15441	2.56E-11	6.38E-09	1.6E-09	7.88E-15	2.38E-14	1.88E-14	2.87E-17	6.94E-16	3.83E-17	7.608E-16	2.839E-12	6.384E-09	1.60376E-09	8.06421E-15	1.16125E-16	4.0251E-15	1.93205E-17
748	571430.55	4178838.99	0.55, 41788	0.19469	0.21494	0.19186	96.70075	41.37793	118.14409	13.13698	7.12068	15.87157	2.4E-11	6.27E-09	1.53E-09	7.41E-15	2.24E-14	1.77E-14	2.7E-17	6.52E-16	3.6E-17	7.15174E-16	2.669E-12	6.2713E-09	1.53378E-09	7.58059E-15	1.0916E-16	3.78371E-15	1.81618E-17
749	571470.55	4178838.99	0.55, 41788	0.18137	0.20392	0.17665	77.02264	40.18933	97.95965	10.5662	6.94319	13.29535	2.27E-11	5.7E-09	1.24E-09	7E-15	2.11E-14	1.67E-14	2.55E-17	6.16E-16	3.4E-17	6.75438E-16	2.52E-12	5.7028E-09	1.24042E-09	7.1594E-15	1.03095E-16	3.57349E-15	1.71527E-17
750	571510.55	4178838.99	0.55, 41788	0.17253	0.19446	0.16733	52.60803	39.21497	67.39367	7.34906	6.67327	9.32595	2.16E-11	4.97E-09	8.64E-10	6.67E-15	2.01E-14	1.59E-14	2.43E-17	5.87E-16	3.24E-17	6.43545E-16	2.401E-12	4.9722E-09	8.63754E-10	6.82134E-15	9.82274E-17	3.40475E-15	1.63428E-17
751	571550.55	4178838.99	0.55, 41788	0.16797	0.18619	0.16347	68.59481	38.25365	67.50423	9.65516	6.29212	9.48561	2.08E-11	5.05E-09	1.1E-09	6.41E-15	1.93E-14	1.53E-14	2.33E-17	5.64E-16	3.11E-17	6.18266E-16	2.307E-12	5.05E-09	1.09935E-09	6.5534E-15	9.43689E-17	3.27101E-15	1.57009E-17
752	571590.55	4178838.99	0.55, 41788	0.16271	0.17607	0.15959	86.9293	37.04871	99.01478	11.93163	5.86384	13.49632	1.97E-11	5.53E-09	1.38E-09	6.09E-15	1.84E-14	1.45E-14	2.22E-17	5.36E-16	2.96E-17	5.87752E-16	2.193E-12	5.532E-09	1.38128E-09	6.22996E-15	8.97114E-17	3.10957E-15	1.49259E-17
753	570839.17	4178445.88	9.17, 41784	74.46739	6.86955	3.72049	1115.31188	246.53605	1658.95445	545.24687	92.47095	232.89196	1.44E-09	5.51E-08	5.82E-08	4.43E-13	1.34E-12	1.06E-12	1.61E-15	3.9E-14	2.15E-15	4.27663E-14	1.596E-10	5.5128E-08	5.82029E-08	4.53307E-13	6.52762E-15	2.2626E-13	1.08605E-15
754	570839.17	4178485.88	9.17, 41784	72.70489	8.35312	4.22209	2611.28562	240.43522	1473.87155	1286.82968	90.10385	245.64526	1.56E-09	6.75E-08	1.33E-07	4.81E-13	1.45E-12	1.15E-12	1.75E-15	4.23E-14	2.34E-15	4.64406E-14	1.733E-10	6.7535E-08	1.33469E-07	4.92254E-13	7.08846E-15	2.457E-13	1.17936E-15
755	570879.17	4178405.88	9.17, 41784	9.26791	12.09581	2.86973	654.37651	281.54322	1652.24347	174.87233	99.71055	250.6883	1.23E-09	5.35E-08	2.09E-08	3.8E-13	1.15E-12	9.07E-13	1.39E-15	3.35E-14	1.85E-15	3.6707E-14	1.37E-10	5.3504E-08	2.09219E-08	3.89081E-13	5.60277E-15	1.94203E-13	9.32173E-16
756	570879.17	4178445.88	9.17, 41784	110.98197	13.33715	11.62742	3333.88644	260.53475	3586.87714	1717.50318	91.01179	770.8732	2.5E-09	1.04E-07	1.84E-07	7.72E-13	2.33E-12	1.84E-12	2.81E-15	6.79E-14	3.75E-15	7.44567E-14	2.778E-10	1.0384E-07	1.83814E-07	7.89214E-13	1.13647E-14	3.93922E-13	1.89083E-15
757	570879.17	4178485.88	9.17, 41784	18.42358	13.79846	20.70311	473.0449	246.35325	4578.74855	141.68031	100.88031	655.29094	1.71E-09	8.59E-08	2.27E-08	5.28E-13	1.59E-12	1.26E-12	1.92E-15	4.64E-14	2.56E-15	5.09198E-14	1.9E-10	8.5939E-08	2.27445E-08	5.39731E-13	7.77213E-15	2.69397E-13	1.29311E-15
758	570879.17	4178525.88	9.17, 41785	94.91809	17.71904	9.02777	3340.71117	271.69492	2014.80922	1490.9797	113.49448	441.47053	2.7E-09	8.48E-08	1.57E-07	8.34E-13	2.52E-12	1.99E-12	3.04E-15	7.34E-14	4.05E-15	8.04384E-14	3.002E-10	8.4788E-08	1.56653E-07	8.52618E-13	1.22777E-14	4.25569E-13	2.04273E-15
759	570879.17	4178565.88	9.17, 41785	6.34056	7.84517	3.48916	517.57011	248.69096	1100.96831	138.67192	92.32789	171.27972	8.24E-10	4.2E-08	1.62E-08	2.54E-13	7.68E-13	6.06E-13	9.26E-16	2.24E-14	1.23E-15	2.45293E-14	9.153E-11	4.2048E-08	1.62383E-08	2.60001E-13	3.74402E-15	1.29775E-13	6.2292E-16
760	570919.17	4178365.88	9.17, 41783	2.36921	8.89638	1.45024	279.82249	231.14799	970.86833	50.20448	85.64726	145.20587	8.53E-10	3.63E-08	6.94E-09	2.63E-13	7.94E-13	6.28E-13	9.58E-16	2.32E-14	1.28E-15	2.53884E-14	9.474E-11	3.6347E-08	6.94485E-09	2.69108E-13	3.87516E-15	1.3432E-13	6.44738E-16
761	570919.17	4178405.88	9.17, 41784	7.16288	18.51893	2.95623	387.12304	281.06153	1814.51514	102.95605	123.97591	301.78328	1.8E-09	5.28E-08	1.43E-08	5.55E-13	1.67E-12	1.32E-12	2.02E-15	4.88E-14	2.69E-15	5.35062E-14	1.997E-10	5.28E-08	1.42933E-08	5.67147E-13	8.16691E-15	2.83081E-13	1.35879E-15
762	570919.17	4178445.88	9.17, 41784	30.90779	15.96768	15.85005	761.46723	266.85593	6280.62092	290.35951	97.37786	1155.63511	1.97E-09	1.13E-07	4.42E-08	6.09E-13	1.84E-12	1.45E-12	2.22E-15	5.36E-14	2.96E-15	5.87578E-14	2.193E-10	1.1257E-07	4.42124E-08	6.22812E-13	8.96849E-15	3.10865E-13	1.49215E-15
763	570919.17	4178485.88	9.17, 41784	29.57453	18.16179	468.02027	992.62163	281.14129	31654.24271	425.98322	121.6397	9353.86757	7.95E-09	4.41E-07	1.63E-07	2.45E-12	7.41E-12	5.85E-12	8.94E-15	2.16E-13	1.19E-14	2.36806E-13	8.837E-10	4.4134E-07	1.62989E-07	2.51006E-12	3.61449E-14	1.25285E-12	6.01368E-15
764	570919.17	4178525.88	9.17, 41785	19.47257	21.77306	15.13476	427.44744	357.8357	3633.422	126.47105	151.21701	760.0028	2.38E-09	8.35E-08	2.25E-08	7.33E-13	2.21E-12	1.75E-12	2.67E-15	6.45E-14	3.56E-15	7.07292E-14	2.639E-10	8.3507E-08	2.25458E-08	7.49705E-13	1.07957E-14	3.74202E-13	1.79617E-15
765	570919.17	4178565.88	9.17, 41785	68.70701	17.81326	4.44491	3547.24462	326.79695	1605.72558	1121.59815	123.62419	257.53275	2.38E-09	8.67E-08	1.17E-07	7.35E-13	2.22E-12	1.75E-12	2.68E-15	6.47E-14	3.57E-15	7.09454E-14	2.647E-10	8.6679E-08	1.16888E-07	7.51996E-13	1.08287E-14	3.75345E-13	1.80166E-15
766	570959.17	4178325.88	9.17, 41783	2.08146	12.83514	1.34475	279.67021	252.56813	633.18912	42.32993	97.81035	79.64117	1.21E-09	3.4E-08	5.31E-09	3.72E-13	1.12E-12	8.88E-13	1.36E-15	3.28E-14	1.81E-15	3.59356E-14	1.341E-10	3.3969E-08	5.30731E-09	3.80905E-13	5.48503E-15	1.90122E-13	9.12585E-16
767	570959.17	4178365.88	9.17, 41783	2.97969	11.80225	1.85212	241.09871	252.07126	954.07883	42.48046	78.75938	136.29698	1.13E-09	3.76E-08	6.05E-09	3.48E-13	1.05E-12	8.31E-13	1.27E-15	3.06E-14	1.69E-15	3.36039E-14	1.254E-10	3.764E-08	6.04847E-09	3.56189E-13	5.12912E-15	1.77785E-13	8.5337E-16
768	570959.17	4178405.88	9.17, 41784	5.48321	18.00699	4.34111	312.89849	292.26242	1429.75284	67.10795	111.57482	238.11199	1.75E-09	4.81E-08	9.85E-09	5.4E-13	1.63E-12	1.29E-12	1.97E-15	4.75E-14	2.62E-15	5.21344E-14	1.945E-10	4.8129E-08	9.8471E-09	5.52606E-13	7.95752E-15	2.75823E-13	1.32395E-15
769	570959.17	4178445.88	9.17, 41784	13.2141	15.9724	27.93872	471.07205	258.82785	2485.7483	129.31081	100.45092	486.63208	1.95E-09	6.02E-08	1.93E-08	6.01E-13	1.81E-12	1.43E-12	2.19E-15	5.29E-14	2.92E-15	5.79823E-14	2.164E-10	6.0237E-08	1.93308E-08	6.14592E-13	8.85012E-15	3.06762E-13	1.47246E-15
770	570959.17	4178485.88	9.17, 41784	61.20406	15.71053	62.85492	1330.20017	250.50131	2800.83581	539.4281	101.77571	895.66291	2.86E-09	7.23E-08	6.61E-08	8.83E-13	2.67E-12	2.11E-12	3.22E-15	7.77E-14	4.29E-15	8.52405E-14	3.181E-10	7.2322E-08	6.61055E-08	9.03519E-13	1.30107E-14	4.50975E-13	2.16468E-15
771	570959.17	4178525.88	9.17, 41785	233.18259	14.04006	12.98457	3491.90215	258.73899	2789.84609	1687.05022	110.68808	397.86928	3.83E-09	9.51E-08	1.76E-07	1.18E-12	3.57E-12	2.82E-12	4.31E-15	1.04E-13	5.75E-15	1.14176E-13	4.261E-10	9.5089E-08	1.75951E-07	1.21023E-12	1.74273E-14	6.04064E-13	2.89951E-15
772	570999.17	4178285.88	9.17, 41782	4.82709	7.01905	1.81527	541.05323	230.67805	782.52024	117.6944	82.70868	130.42004	7.12E-10	3.66E-08	1.36E-08	2.2E-13	6.63E-13	5.24E-13	8E-16	1.93E-14	1.07E-15	2.11897E-14	7.907E-11	3.6569E-08	1.35903E-08	2.24603E-13	3.23428E-15	1.12107E-13	5.38111E-16
773	570999.17	4178325.88	9.17, 41783	3.49216	17.23511	2.06149	334.8047	281.26172	702.77079	73.88295	121.01705	110.07877	1.63E-09	3.8E-08	8.89E-09	5.03E-13	1.52E-12	1.2E-12	1.83E-15	4.43E-14	2.44E-15	4.8565E-14	1.812E-10	3.8037E-08	8.89277E-09	5.14771E-13	7.41271E-15	2.56939E-13	1.23331E-15
774	570999.17	4178365.88	9.17, 41783	3.49499	15.86199	2.88936	258.09779	262.50756	719.40934	51.99585	99.38677	89.92617	1.52E-09	3.58E-08	6.42E-09	4.68E-13	1.41E-12	1.12E-12	1.7E-15	4.12E-14	2.27E-15	4.51601E-14	1.685E-10	3.5757E-08	6.41799E-09	4.78681E-13	6.893E-15	2.38925E-13	1.14684E-15
775	570999.17	4178405.88	9.17, 41784	4.67229	14.08019	6.50261	269.25985	258.20089	888.73579	48.54927	90.52886	138.83889	1.41E-09	3.76E-08	6.7E-09	4.36E-13	1.32E-12	1.04E-12	1.59E-15	3.84E-14	2.12E-15	4.20687E-14	1.57E-10	3.7649E-08	6.69564E-09	4.45913E-13	6.42114E-15	2.22569E-13	1.06833E-15
776	570999.17	4178445.88	9.17, 41784	8.21208	17.59623	13.45709	365.10896	254.50285	1091.31402	80.87758	113.65243	185.77432	1.86E-09	4.09E-08	1.06E-08	5.73E-13	1.73E-12	1.37E-12	2.09E-15	5.05E-14	2.79E-15	5.53318E-14	2.065E-10	4.0891E-08	1.0571E-08	5.86498E-13	8.44557E-15	2.9274E-13	1.40515E-15
777	570999.17	4178485.88	9.17, 41784	18.06608	14.21786	20.31738	585.19163	263.25351	1140.06137	156.20535	101.07997	297.24229	1.74E-09	4.46E-08	1.96E-08	5.37E-13	1.62E-12	1.28E-12	1.96E-15	4.72E-14	2.61E-15	5.18002E-14	1.933E-10	4.4568E-08	1.96279E-08	5.49064E-13	7.90651E-15	2.74055E-13	1.31546E-15
778	571039.17	4178245.88	9.17, 41782	16.91212	6.90765	2.82369	857.31055	271.11205	1316.76682	274.95229	93.64332	189.48612	8.38E-10	5.03E-08	3.03E-08	2.59E-13	7.81E-13	6.17E-13	9.42E-16	2.28E-14	1.26E-15	2.49609E-14	9.314E-11	5.0336E-08	3.02731E-08	2.64577E-13	3.80991E-15	1.32059E-13	6.33883E-16
779	571039.17	4178285.88	9.17, 41782	28.85834	15.10006	3.68614	1240.055	260.3069	1323.38037	549.80999	92.85324	215.01085	1.72E-09	5.34E-08	5.84E-08	5.3E-13	1.6E-12	1.26E-12	1.93E-15	4.66E-14	2.57E-15	5.11401E-14	1.908E-10	5.3361E-08	5.84359E-08	5.42067E-13	7.80576E-15	2.70563E-13	1.2987E-15
780	571039.17	4178325.88	9.17, 41783	6.67676	17.1171	4.10991	443.85334	276.43557	1246.54946	131.23026	111.87763	155.81868	1.68E-09	4.57E-08	1.53E-08	5.18E-13	1.56E-12	1.24E-12	1.89E-15	4.56E-14	2.52E-15	4.99986E-14	1.866E-10	4.5683E-08	1.52866E-08	5.29967E-13	7.63153E-15	2.64524E-13	1.26971E-15
781	571039.17	4178365.88	9.17, 41783	4.40971	16.57374	4.87433	310.01939	259.88486	992.68074	73.97776	106.04392	160.75052	1.62E-09	3.96E-08	9.55E-09	4.99E-13	1.51E-12	1.19E-12	1.82E-15	4.39E-14	2.42E-15	4.81256E-14	1.796E-10	3.9552E-08	9.55162E-09	5.10114E-13	7.34565E-15	2.54614E-13	1.22215E-15
782	571039.17	4178405.88	9.17, 41784	4.40492	15.47088	6.2465	249.62047	251.60574	625.26496	54.55389	95.67705	86.62547	1.53E-09	3.35E-08	6.63E-09	4.73E-13	1.43E-12	1.13E-12	1.72E-15	4.16E-14	2.3E-15	4.56586E-14	1.704E-10	3.3472E-08	6.63476E-09	4.83964E-13	6.96909E-15	2.41562E-13	1.1595E-15
783	571039.17	4178445.88	9.17, 41784	6.02235	17.33371	7.45895	271.18693	258.43077	565.95619	53.34538	113.33058	91.15286	1.74E-09	3.36E-08	6.57E-09	5.35E-13	1.62E-12	1.28E-12	1.95E-15	4.71E-14	2.6E-15	5.16636E-14	1.928E-10	3.3554E-08	6.57037E-09	5.47616E-13	7.88567E-15	2.73333E-13	1.312E-15
784	571079.17	4178245.88	9.17, 41782	26.90238	12.76385	4.78342	686.22219	257.40547	1959.72628	294.80616	92.56412	417.67679	1.5E-09	5.56E-08	3.52E-08	4.63E-13	1.4E-12	1.1E-12	1.68E-15	4.07E-14	2.25E-15	4.46299E-14	1.665E-10	5.5573E-08	3.52075E-08	4.73061E-13	6.81208E-15	2.3612E-13	1.13338E-15
785	571079.17	4178285.88	9.17, 41782	49.90964	15.92317	13.80121	957.6563	283.49226	4117.74908	414.11972	108.09945	689.22522	2.14E-09	8.84E-08	5.08E-08	6.6E-13	1.99E-12	1.57E-12	2.4E-15	5.8E-14	3.2E-15	6.36551E-14	2.375E-10	8.838E-08	5.07701E-08	6.74721E-13	9.71598E-15	3.36775E-13	1.61652E-15
786	571079.17	4178325.88	9.17, 41783	16.67986	14.36437	14.4793	793.60016	243.70787	3077.685	313.14105	91.11491	664.711	1.66E-09	6.98E-08	4.02E-08	5.13E-13	1.55E-12	1.22E-12	1.87E-15	4.52E-14	2.49E-15	4.95469E-14	1.849E-10	6.9751E-08	4.02296E-08	5.25179E-13	7.56258E-15	2.62134E-13	1.25824E-15
787	571079.17	4178365.88	9.17, 41783	6.18218	17.09307	7.0902	419.38901	255.0076	1488.27193	110.95083	108.56867	287.95219	1.71E-09	4.66E-08	1.49E-08	5.28E-13	1.59E-12	1.26E-12	1.92E-15	4.64E-14	2.56E-15	5.09195E-14	1.9E-10	4.6579E-08	1.49258E-08	5.39729E-13	7.77209E-15	2.69396E-13	1.2931E-15
788	571079.17	4178405.88	9.17, 41784	4.42977	14.91	5.35349	310.20505	209.99469	815.89349	72.09993	91.11305	117.58287	1.47E-09	3.27E-08	8.81E-09	4.54E-13	1.37E-12	1.08E-12	1.65E-15	3.99E-14	2.21E-15	4.38053E-14	1.635E-10	3.2748E-08	8.80835E-09	4.6432E-13	6.68621E-15	2.31757E-13	1.11243E-15
789	571119.17	4178285.88	9.17, 41782	25.0824	15.07438	138.00946	507.91812	256.39153	16734.57469	211.8106	106.96205	4271.60103	3.4E-09	2.43E-07	7.62E-08	1.05E-12	3.17E-12	2.5E-12	3.82E-15	9.23E-14	5.09E-15	1.01164E-13	3.775E-10	2.4296E-07	7.61814E-08	1.0723E-12	1.54412E-14	5.3522E-13	2.56906E-15
790	571119.17	4178325.88	9.17, 41783	197.49067	14.51391	52.98238	3348.29445	230.6601	7805.71053	1622.72219	95.52079	2122.69744	4.02E-09	1.55E-07	1.92E-07	1.24E-12	3.75E-12	2.96E-12	4.52E-15	1.09E-13	6.03E-15	1.19827E-13	4.471E-10	1.5533E-07	1.91536E-07	1.27012E-12	1.82897E-14	6.33958E-13	3.043E-15
791	571119.17	4178365.88	9.17, 41783	10.01384	12.46582	9.59129	630.48898	206.62645	2115.5821	198.58486	83.22549	424.70779	1.36E-09	5.24E-08	2.56E-08	4.2E-13	1.27E-12	1E-12	1.53E-15	3.69E-14	2.04E-15	4.05019E-14	1.511E-10	5.2377E-08	2.5553E-08	4.29305E-13	6.18199E-15	2.1428E-13	1.02854E-15
792	571159.17	4178325.88	9.17, 41783	219.15803	19.05137	35.48029	3124.9508	277.70648	3646.5914	1560.39264	128.55095	753.34584	4.44E-09	1.04E-07	1.68E-07	1.37E-12	4.13E-12	3.26E-12	4.99E-15	1.2E-13	6.65E-15	1.32061E-13	4.928E-10	1.0403E-07	1.67678E-07	1.39979E-12	2.0157E-14	6.98682E-13	3.35368E-15
793	570808.82	4178464.81	8.82, 41784	10.95844	3.34212	2.15804	1253.90468	193.66587	956.23037	302.59047	56.7134	159.37173	4.44E-10	4.27E-08	3.27E-08	1.37E-13	4.14E-13	3.27E-13	4.99E-16	1.21E-14	6.66E-16	1.32262E-14	4.935E-11	4.2733E-08	3.26863E-08	1.40192E-13	2.01877E-15	6.99745E-14	3.35878E-16
794	570823.91	4178529.88	3.91, 41785	3.05561	3.25593	2.40542	358.64643	197.99385	1108.94733	70.39413	63.38636	140.39269	3.59E-10	3.59E-08	8.93E-09	1.11E-13	3.34E-13	2.64E-13	4.03E-16	9.73E-15	5.37E-16	1.06749E-14	3.983E-11	3.5907E-08	8.92785E-09	1.1315E-13	1.62936E-15	5.64769E-14	2.71089E-16
795	570883.31	4178602.01	3.31, 41786	3.07425	4.49746	2.05933	479.66242	287.53386	914.81532	94.76169	103.00469	119.05382	4.67E-10	4.28E-08	1.11E-08	1.44E-13	4.35E-13	3.44E-13	5.25E-16	1.27E-14	7E-16	1.39135E-14	5.192E-11	4.281E-08	1.11222E-08	1.47478E-13	2.12368E-15	7.3611E-14	3.53333E-16
796	571181.45	4178310.17	1.45, 41783	77.30582	13.12592	35.80897	2585.53888	242.23364	1672.90767	872.95261	114.20023	513.62427	2.45E-09	7E-08	9.5E-08	7.55E-13	2.28E-12	1.8E-12	2.75E-15	6.64E-14	3.67E-15	7.28315E-14	2.718E-10	6.9985E-08	9.49877E-08	7.71987E-13	1.11166E-14	3.85324E-13	1.84955E-15
797	571067.83	4178206.53	7.83, 41782	5.36607	4.9243	1.64986	895.65181	299.02694	904.65641	223.56067	96.05921	144.20823	5.24E-10	4.8E-08	2.45E-08	1.62E-13	4.89E-13	3.86E-13	5.89E-16	1.42E-14	7.86E-16	1.56136E-14	5.826E-11	4.799E-08	2.44884E-08	1.65499E-13	2.38319E-15	8.26058E-14	3.96508E-16
798	570799.89	4178446.83	9.89, 41784	4.88888	2.78293	1.75814	732.83791	152.28075	768.58836	142.77112	52.0733	124.31973	3.26E-10	3.12E-08	1.61E-08	1.01E-13	3.04E-13	2.4E-13	3.66E-16	8.85E-15	4.89E-16	9.70551E-15	3.622E-11	3.122E-08	1.60518E-08	1.02875E-13	1.4814E-15	5.13482E-14	2.46471E-16

	Trenching	Grading	Stockpile
Emissions Rate (g/s):	2.07E-11	1.84E-10	2.59E-11

				Concentration [µg/m^3] at 1 g/s									Concentration (µg/m^3) Unmitigated			Unmitigated Residential Dose			Risk by Age Group				Unmitigated			Student Unmitigated		Worker Unmitigated	
#	X	Y	X,Y	Trenching Period	Grading Period	Stockpile Period	Treching 1hr	Grading 1hr	Stockpile 1hr	Trenching 8hr	Grading 8hr	Stockpile 8hr	Period Total	1hr Total	8hr Total	3rd	0<2	2<9	3rd	0<2	2<9	Total Risk	Chronic	Acute	8hr	Dose	Risk	Dose	Risk
1	570310.55	4177918.99	0.55, 41779	0.08215	0.06425	0.08047	53.98877	25.74637	57.86027	6.7486	3.78109	7.23253	1.56E-11	7.36E-09	1.57E-09	4.82E-15	1.46E-14	1.15E-14	0	0	0	0	7.814E-14	1.2697E-12	1.57095E-09	4.9327E-15	0	2.46207E-15	0
2	570350.55	4177918.99	0.55, 41779	0.08744	0.06946	0.0859	61.34869	26.43683	62.74615	7.66859	3.66465	7.84327	1.68E-11	7.77E-09	1.78E-09	5.2E-15	1.57E-14	1.24E-14	0	0	0	0	8.42E-14	1.3398E-12	1.77538E-09	5.31474E-15	0	2.65276E-15	0
3	570390.55	4177918.99	0.55, 41779	0.09273	0.07514	0.09126	67.57642	27.23616	68.95787	8.44705	3.80844	8.61973	1.81E-11	8.21E-09	1.96E-09	5.6E-15	1.69E-14	1.33E-14	0	0	0	0	9.067E-14	1.4152E-12	1.95509E-09	5.72355E-15	0	2.8568E-15	0
4	570430.55	4177918.99	0.55, 41779	0.09799	0.08123	0.09661	71.34976	28.07066	72.35504	8.91872	4.01428	9.04438	1.95E-11	8.53E-09	2.06E-09	6.02E-15	1.82E-14	1.44E-14	0	0	0	0	9.752E-14	1.4704E-12	2.06279E-09	6.15591E-15	0	3.07261E-15	0
5	570470.55	4177918.99	0.55, 41779	0.10292	0.08757	0.10182	71.34124	28.88227	71.18869	8.91766	4.18506	8.89859	2.09E-11	8.65E-09	2.06E-09	6.45E-15	1.95E-14	1.54E-14	0	0	0	0	1.045E-13	1.491E-12	2.05879E-09	6.59951E-15	0	3.29402E-15	0
6	570510.55	4177918.99	0.55, 41779	0.10719	0.09397	0.10631	70.57748	29.51269	72.86498	8.82218	4.31581	9.10812	2.23E-11	8.79E-09	2.04E-09	6.88E-15	2.08E-14	1.64E-14	0	0	0	0	1.115E-13	1.5158E-12	2.04465E-09	7.03637E-15	0	3.51208E-15	0
7	570550.55	4177918.99	0.55, 41779	0.11095	0.10041	0.10942	80.02506	30.00614	83.29269	10.00313	4.88273	10.41159	2.36E-11	9.35E-09	2.32E-09	7.29E-15	2.2E-14	1.74E-14	0	0	0	0	1.182E-13	1.6119E-12	2.32054E-09	7.46093E-15	0	3.72399E-15	0
8	570590.55	4177918.99	0.55, 41779	0.11537	0.10684	0.11183	81.14556	31.22548	84.40479	10.14319	5.49199	10.5506	2.5E-11	9.63E-09	2.35E-09	7.71E-15	2.33E-14	1.84E-14	0	0	0	0	1.249E-13	1.6596E-12	2.35285E-09	7.8835E-15	0	3.93491E-15	0
9	570630.55	4177918.99	0.55, 41779	0.12154	0.11343	0.11602	82.02682	32.76834	84.97635	10.54682	6.07261	10.62204	2.64E-11	9.94E-09	2.44E-09	8.16E-15	2.46E-14	1.95E-14	0	0	0	0	1.321E-13	1.7143E-12	2.43745E-09	8.34141E-15	0	4.16346E-15	0
10	570670.55	4177918.99	0.55, 41779	0.12896	0.11974	0.12346	90.28793	34.09351	94.2666	12.11861	6.60764	13.84836	2.79E-11	1.06E-08	2.84E-09	8.62E-15	2.6E-14	2.06E-14	0	0	0	0	1.397E-13	1.8275E-12	2.84332E-09	8.81782E-15	0	4.40125E-15	0
11	570710.55	4177918.99	0.55, 41779	0.13589	0.12543	0.13131	92.03158	38.34133	98.54944	11.50395	7.03486	13.72911	2.93E-11	1.15E-08	2.71E-09	9.05E-15	2.73E-14	2.16E-14	0	0	0	0	1.467E-13	1.9878E-12	2.71423E-09	9.25832E-15	0	4.62112E-15	0
12	570750.55	4177918.99	0.55, 41779	0.14097	0.13029	0.13561	98.93292	42.68075	106.54938	12.36662	7.25038	14.15663	3.04E-11	1.27E-08	2.9E-09	9.4E-15	2.84E-14	2.24E-14	0	0	0	0	1.522E-13	2.1861E-12	2.90215E-09	9.60939E-15	0	4.79635E-15	0
13	570790.55	4177918.99	0.55, 41779	0.1434	0.13429	0.137	101.78306	44.96916	112.12821	12.72288	7.16867	14.01603	3.13E-11	1.33E-08	2.97E-09	9.65E-15	2.91E-14	2.3E-14	0	0	0	0	1.563E-13	2.2939E-12	2.97153E-09	9.86927E-15	0	4.92607E-15	0
14	570830.55	4177918.99	0.55, 41779	0.14249	0.1373	0.1371	103.05806	46.92439	113.14313	12.88226	6.63254	14.14289	3.18E-11	1.37E-08	3.01E-09	9.82E-15	2.96E-14	2.34E-14	0	0	0	0	1.59E-13	2.3651E-12	3.00749E-09	1.00392E-14	0	5.01087E-15	0
15	570870.55	4177918.99	0.55, 41779	0.13915	0.13926	0.13269	113.81753	49.41272	127.10432	14.22719	6.17659	15.88804	3.2E-11	1.48E-08	3.33E-09	9.87E-15	2.98E-14	2.35E-14	0	0	0	0	1.599E-13	2.5451E-12	3.32845E-09	1.00952E-14	0	5.03882E-15	0
16	570910.55	4177918.99	0.55, 41779	0.13537	0.14116	0.12571	103.09741	52.00284	118.27061	16.13684	6.50036	14.78383	3.21E-11	1.48E-08	3.69E-09	9.9E-15	2.99E-14	2.36E-14	0	0	0	0	1.604E-13	2.5495E-12	3.69127E-09	1.01238E-14	0	5.05309E-15	0
17	570950.55	4177918.99	0.55, 41779	0.13129	0.14261	0.12523	128.63222	54.75687	154.09416	19.7206	7.6051	23.34348	3.22E-11	1.68E-08	4.65E-09	9.95E-15	3E-14	2.37E-14	0	0	0	0	1.612E-13	2.8885E-12	4.64788E-09	1.01774E-14	0	5.07988E-15	0
18	570990.55	4177918.99	0.55, 41779	0.12715	0.1442	0.12572	126.51514	58.01026	163.29109	18.07359	9.36612	23.3273	3.25E-11	1.75E-08	4.31E-09	1E-14	3.02E-14	2.39E-14	0	0	0	0	1.623E-13	3.0254E-12	4.30984E-09	1.02468E-14	0	5.1145E-15	0
19	571030.55	4177918.99	0.55, 41779	0.12254	0.14609	0.11762	125.39004	62.99788	174.41478	17.19472	10.49965	21.80185	3.25E-11	1.87E-08	4.09E-09	1E-14	3.03E-14	2.39E-14	0	0	0	0	1.625E-13	3.2296E-12	4.09012E-09	1.02602E-14	0	5.1212E-15	0
20	571070.55	4177918.99	0.55, 41779	0.1201	0.14847	0.1104	126.80092	67.58831	177.9713	16.22667	10.87469	22.24641	3.27E-11	1.97E-08	3.9E-09	1.01E-14	3.05E-14	2.41E-14	0	0	0	0	1.635E-13	3.3964E-12	3.90322E-09	1.03235E-14	0	5.1528E-15	0
21	571110.55	4177918.99	0.55, 41779	0.1205	0.15044	0.10927	126.62476	68.47754	165.66905	20.2586	9.61445	20.70863	3.31E-11	1.95E-08	4.69E-09	1.02E-14	3.08E-14	2.43E-14	0	0	0	0	1.653E-13	3.369E-12	4.68983E-09	1.04315E-14	0	5.20667E-15	0
22	571150.55	4177918.99	0.55, 41779	0.1212	0.15159	0.11602	131.66409	62.22893	172.39569	21.10658	9.19459	24.99313	3.35E-11	1.87E-08	4.97E-09	1.03E-14	3.12E-14	2.46E-14	0	0	0	0	1.673E-13	3.2186E-12	4.97477E-09	1.05582E-14	0	5.26991E-15	0
23	571190.55	4177918.99	0.55, 41779	0.12215	0.15198	0.11825	137.85581	66.48698	180.99172	19.69369	10.25241	26.94632	3.36E-11	1.98E-08	4.74E-09	1.04E-14	3.13E-14	2.47E-14	0	0	0	0	1.68E-13	3.4144E-12	4.7358E-09	1.06053E-14	0	5.29345E-15	0
24	571230.55	4177918.99	0.55, 41779	0.12354	0.15154	0.11348	148.65332	75.08948	179.38421	21.23619	9.50538	22.42303	3.34E-11	2.16E-08	4.93E-09	1.03E-14	3.11E-14	2.46E-14	0	0	0	0	1.671E-13	3.7191E-12	4.93469E-09	1.05498E-14	0	5.26573E-15	0
25	571270.55	4177918.99	0.55, 41779	0.12544	0.15047	0.11372	135.01221	73.55453	181.97195	18.66937	9.80753	25.99591	3.33E-11	2.11E-08	4.5E-09	1.03E-14	3.1E-14	2.45E-14	0	0	0	0	1.664E-13	3.6331E-12	4.50118E-09	1.0502E-14	0	5.24187E-15	0
26	571310.55	4177918.99	0.55, 41779	0.12844	0.14895	0.1185	144.25948	74.57026	160.72945	18.03243	9.63087	20.79832	3.32E-11	2.09E-08	4.24E-09	1.02E-14	3.09E-14	2.44E-14	0	0	0	0	1.659E-13	3.6035E-12	4.23582E-09	1.04724E-14	0	5.22709E-15	0
27	571350.55	4177918.99	0.55, 41779	0.13264	0.1484	0.12186	134.13439	65.82548	182.86761	16.7668	8.49886	22.85845	3.33E-11	1.97E-08	4.03E-09	1.03E-14	3.1E-14	2.45E-14	0	0	0	0	1.663E-13	3.3885E-12	4.02981E-09	1.04954E-14	0	5.23858E-15	0
28	571390.55	4177918.99	0.55, 41779	0.13487	0.1464	0.12015	140.45529	51.40311	177.22554	17.55691	7.98518	22.15319	3.29E-11	1.7E-08	4.17E-09	1.01E-14	3.06E-14	2.42E-14	0	0	0	0	1.644E-13	2.9277E-12	4.17348E-09	1.03797E-14	0	5.18083E-15	0
29	571430.55	4177918.99	0.55, 41779	0.14548	0.15293	0.12366	139.19794	49.3636	190.22803	17.39974	7.65374	23.7785	3.44E-11	1.69E-08	4.18E-09	1.06E-14	3.21E-14	2.53E-14	0	0	0	0	1.72E-13	2.9166E-12	4.18341E-09	1.08576E-14	0	5.41938E-15	0
30	571470.55	4177918.99	0.55, 41779	0.15916	0.16179	0.13045	134.87595	45.89373	190.37308	16.85949	6.86379	23.79664	3.65E-11	1.62E-08	4.07E-09	1.13E-14	3.4E-14	2.69E-14	0	0	0	0	1.825E-13	2.7915E-12	4.07314E-09	1.1518E-14	0	5.74899E-15	0
31	571510.55	4177918.99	0.55, 41779	0.17426	0.17151	0.14116	122.2315	42.4201	161.48029	15.27894	5.85942	20.18504	3.89E-11	1.45E-08	3.66E-09	1.2E-14	3.62E-14	2.86E-14	0	0	0	0	1.944E-13	2.5068E-12	3.65548E-09	1.22697E-14	0	6.12421E-15	0
32	571550.55	4177918.99	0.55, 41779	0.18787	0.18026	0.15558	112.99449	35.73716	155.78517	14.12431	5.76206	19.47315	4.11E-11	1.3E-08	3.4E-09	1.27E-14	3.83E-14	3.03E-14	0	0	0	0	2.057E-13	2.236E-12	3.40033E-09	1.29857E-14	0	6.48157E-15	0
33	571590.55	4177918.99	0.55, 41779	0.19949	0.18751	0.17419	94.68734	29.26563	123.69427	11.83592	5.30509	15.46178	4.32E-11	1.06E-08	2.83E-09	1.33E-14	4.03E-14	3.18E-14	0	0	0	0	2.16E-13	1.8214E-12	2.82721E-09	1.36357E-14	0	6.806E-15	0
34	570310.55	4177958.99	0.55, 41779	0.08597	0.06676	0.0838	56.89619	26.25101	62.23098	7.11202	4.18522	7.77887	1.63E-11	7.63E-09	1.66E-09	5.02E-15	1.51E-14	1.2E-14	0	0	0	0	8.128E-14	1.3157E-12	1.65962E-09	5.13093E-15	0	2.56101E-15	0
35	570350.55	4177958.99	0.55, 41779	0.09204	0.07257	0.08995	58.96006	27.16756	63.77509	7.37001	4.19821	7.97189	1.76E-11	7.88E-09	1.72E-09	5.43E-15	1.64E-14	1.3E-14	0	0	0	0	8.806E-14	1.3591E-12	1.71751E-09	5.55886E-15	0	2.77461E-15	0
36	570390.55	4177958.99	0.55, 41779	0.09833	0.07904	0.09639	63.0038	28.02201	66.12463	7.87548	4.15896	8.26558	1.91E-11	8.18E-09	1.83E-09	5.89E-15	1.78E-14	1.41E-14	0	0	0	0	9.551E-14	1.4112E-12	1.82874E-09	6.02899E-15	0	3.00926E-15	0
37	570430.55	4177958.99	0.55, 41779	0.10461	0.08611	0.10266	70.72142	28.76698	72.80329	8.84018	4.23038	9.10041	2.07E-11	8.66E-09	2.05E-09	6.39E-15	1.93E-14	1.52E-14	0	0	0	0	1.035E-13	1.4923E-12	2.04814E-09	6.53255E-15	0	3.2606E-15	0
38	570470.55	4177958.99	0.55, 41779	0.11098	0.09385	0.10929	78.78718	29.82596	80.74124	9.8484	4.47695	10.09265	2.24E-11	9.22E-09	2.28E-09	6.92E-15	2.09E-14	1.65E-14	0	0	0	0	1.121E-13	1.5903E-12	2.28055E-09	7.07861E-15	0	3.53316E-15	0
39	570510.55	4177958.99	0.55, 41779	0.1169	0.10189	0.11567	83.26174	30.87615	84.48278	10.40772	4.70339	10.56035	2.42E-11	9.61E-09	2.41E-09	7.47E-15	2.25E-14	1.78E-14	0	0	0	0	1.21E-13	1.6564E-12	2.40733E-09	7.63711E-15	0	3.81193E-15	0
40	570550.55	4177958.99	0.55, 41779	0.12213	0.11	0.12099	82.46075	31.83495	82.01237	10.30759	4.9071	10.25155	2.59E-11	9.7E-09	2.38E-09	8E-15	2.42E-14	1.91E-14	0	0	0	0	1.297E-13	1.6729E-12	2.3788E-09	8.1865E-15	0	4.08614E-15	0
41	570590.55	4177958.99	0.55, 41779	0.1275	0.1185	0.12492	87.61849	32.53805	91.54904	10.95231	5.6614	11.44363	2.77E-11	1.02E-08	2.54E-09	8.55E-15	2.58E-14	2.04E-14	0	0	0	0	1.386E-13	1.7564E-12	2.54187E-09	8.7481E-15	0	4.36646E-15	0
42	570630.55	4177958.99	0.55, 41779	0.13429	0.12721	0.12893	94.25098	33.95012	99.61773	11.78137	6.34882	12.45222	2.96E-11	1.08E-08	2.74E-09	9.12E-15	2.75E-14	2.18E-14	0	0	0	0	1.478E-13	1.861E-12	2.73798E-09	9.33187E-15	0	4.65783E-15	0
43	570670.55	4177958.99	0.55, 41779	0.1434	0.13582	0.13624	91.47953	35.4429	96.20253	12.89467	6.97952	13.63762	3.15E-11	1.09E-08	3E-09	9.73E-15	2.94E-14	2.32E-14	0	0	0	0	1.577E-13	1.8833E-12	2.99693E-09	9.95202E-15	0	4.96737E-15	0
44	570710.55	4177958.99	0.55, 41779	0.15342	0.14402	0.1467	103.54122	38.62398	108.53691	12.94265	7.57754	15.98544	3.35E-11	1.21E-08	3.07E-09	1.03E-14	3.12E-14	2.47E-14	0	0	0	0	1.676E-13	2.0826E-12	3.06766E-09	1.05801E-14	0	5.28085E-15	0
45	570750.55	4177958.99	0.55, 41779	0.16261	0.1515	0.15549	105.52732	44.38977	114.23814	13.19092	8.09206	15.7724	3.53E-11	1.33E-08	3.11E-09	1.09E-14	3.29E-14	2.6E-14	0	0	0	0	1.766E-13	2.2984E-12	3.11302E-09	1.11472E-14	0	5.5639E-15	0
46	570790.55	4177958.99	0.55, 41779	0.16989	0.15823	0.16076	113.60479	47.24143	124.57926	14.2006	8.3928	15.57241	3.68E-11	1.43E-08	3.31E-09	1.14E-14	3.43E-14	2.71E-14	0	0	0	0	1.842E-13	2.4641E-12	3.31481E-09	1.16293E-14	0	5.80456E-15	0
47	570830.55	4177958.99	0.55, 41779	0.1738	0.16401	0.16481	115.20809	49.45722	130.36471	14.40112	8.28774	16.29559	3.81E-11	1.49E-08	3.37E-09	1.18E-14	3.55E-14	2.8E-14	0	0	0	0	1.905E-13	2.5661E-12	3.37467E-09	1.20242E-14	0	6.00165E-15	0
48	570870.55	4177958.99	0.55, 41779	0.17339	0.16851	0.16469	122.33209	52.01335	138.82114	15.29151	7.46689	17.35264	3.89E-11	1.57E-08	3.58E-09	1.2E-14	3.63E-14	2.86E-14	0	0	0	0	1.946E-13	2.7106E-12	3.5846E-09	1.22822E-14	0	6.13043E-15	0
49	570910.55	4177958.99	0.55, 41779	0.16973	0.17204	0.1579	128.70888	55.67631	149.19916	16.08861	6.95954	18.64989	3.93E-11	1.68E-08	3.78E-09	1.21E-14	3.66E-14	2.89E-14	0	0	0	0	1.966E-13	2.8961E-12	3.78164E-09	1.24079E-14	0	6.19318E-15	0
50	570950.55	4177958.99	0.55, 41779	0.16375	0.1746	0.15354	137.78687	58.35606	146.62449	21.41966	8.40086	22.62642	3.95E-11	1.74E-08	4.98E-09	1.22E-14	3.68E-14	2.91E-14	0	0	0	0	1.977E-13	3.0022E-12	4.97757E-09	1.24819E-14	0	6.23012E-15	0
51	570990.55	4177958.99	0.55, 41779	0.1571	0.17611	0.15296	148.41379	62.43724	189.01685	21.20197	10.20575	28.13097	3.97E-11	1.95E-08	5.08E-09	1.22E-14	3.7E-14	2.92E-14	0	0	0	0	1.984E-13	3.3594E-12	5.0757E-09	1.25214E-14	0	6.24984E-15	0
52	571030.55	4177958.99	0.55, 41779	0.15135	0.1787	0.14372	141.29712	68.4386	198.29024	19.05284	11.40643	25.9054	3.98E-11	2.07E-08	4.58E-09	1.23E-14	3.71E-14	2.93E-14	0	0	0	0	1.99E-13	3.5661E-12	4.57744E-09	1.25587E-14	0	6.26847E-15	0
53	571070.55	4177958.99	0.55, 41779	0.14838	0.1815	0.13361	143.49488	74.36914	202.29359	18.79197	11.80682	25.2867	4E-11	2.19E-08	4.51E-09	1.23E-14	3.73E-14	2.94E-14	0	0	0	0	1.999E-13	3.7802E-12	4.50792E-09	1.26194E-14	0	6.29873E-15	0
54	571110.55	4177958.99	0.55, 41779	0.14858	0.18375	0.13332	140.62761	73.34522	192.64407	22.74237	10.22286	24.08051	4.04E-11	2.14E-08	5.29E-09	1.25E-14	3.76E-14	2.97E-14	0	0	0	0	2.02E-13	3.6943E-12	5.28642E-09	1.27491E-14	0	6.3635E-15	0
55	571150.55	4177958.99	0.55, 41779	0.14994	0.18566	0.14292	146.3467	67.83983	199.40983	22.92053	11.48399	30.37919	4.1E-11	2.07E-08	5.49E-09	1.27E-14	3.82E-14	3.02E-14	0	0	0	0	2.051E-13	3.5701E-12	5.48629E-09	1.29477E-14	0	6.4626E-15	0
56	571190.55	4177958.99	0.55, 41779	0.1525	0.18616	0.14359	161.89014	78.97315	204.49698	23.12716	11.84075	29.21385	4.12E-11	2.32E-08	5.5E-09	1.27E-14	3.84E-14	3.03E-14	0	0	0	0	2.059E-13	4.0021E-12	5.49843E-09	1.2999E-14	0	6.48822E-15	0
57	571230.55	4177958.99	0.55, 41779	0.15542	0.18516	0.1383	156.07845	81.92899	197.17574	22.29692	11.22006	24.64697	4.09E-11	2.34E-08	5.21E-09	1.26E-14	3.81E-14	3.01E-14	0	0	0	0	2.046E-13	4.0425E-12	5.2098E-09	1.29167E-14	0	6.44713E-15	0
58	571270.55	4177958.99	0.55, 41779	0.15909	0.18379	0.14205	158.42767	82.70179	205.30007	19.80346	11.54254	29.32858	4.08E-11	2.38E-08	4.82E-09	1.26E-14	3.81E-14	3.01E-14	0	0	0	0	2.042E-13	4.1118E-12	4.82008E-09	1.28917E-14	0	6.43468E-15	0
59	571310.55	4177958.99	0.55, 41779	0.1655	0.18382	0.1484	150.26158	75.50789	204.0765	18.7827	10.48328	25.50956	4.11E-11	2.23E-08	4.51E-09	1.27E-14	3.83E-14	3.03E-14	0	0	0	0	2.057E-13	3.8486E-12	4.5118E-09	1.29874E-14	0	6.48245E-15	0
60	571350.55	4177958.99	0.55, 41779	0.17654	0.1881	0.15257	154.82597	60.83045	189.56737	19.35325	9.71095	23.69592	4.23E-11	1.93E-08	4.58E-09	1.3E-14	3.94E-14	3.11E-14	0	0	0	0	2.114E-13	3.3338E-12	4.58172E-09	1.33427E-14	0	6.65979E-15	0
61	571390.55	4177958.99	0.55, 41779	0.18842	0.1934	0.15428	152.92189	54.55359	214.59873	19.11524	9.16318	26.82484	4.35E-11	1.88E-08	4.61E-09	1.34E-14	4.06E-14	3.2E-14	0	0	0	0	2.177E-13	3.2395E-12	4.61408E-09	1.37427E-14	0	6.85943E-15	0
62	571430.55	4177958.99	0.55, 41779	0.20645	0.20414	0.16292	148.33328	50.38722	217.66749	18.54166	8.09078	27.20844	4.61E-11	1.8E-08	4.51E-09	1.42E-14	4.3E-14	3.39E-14	0	0	0	0	2.306E-13	3.1045E-12	4.50645E-09	1.4556E-14	0	7.26538E-15	0
63	571470.55	4177958.99	0.55, 41779	0.22554	0.21577	0.17809	134.13897	46.24246	185.84967	16.76737	6.92684	23.23121	4.91E-11	1.61E-08	4.04E-09	1.51E-14	4.57E-14	3.61E-14	0	0	0	0	2.453E-13	2.7798E-12	4.03959E-09	1.54815E-14	0	7.7273E-15	0
64	571510.55	4177958.99	0.55, 41779	0.24332	0.22654	0.20114	122.33786	38.55117	174.21255	15.29223	6.75463	21.77657	5.2E-11	1.42E-08	3.7E-09	1.6E-14	4.85E-14	3.83E-14	0	0	0	0	2.6E-13	2.4412E-12	3.69948E-09	1.64129E-14	0	8.19218E-15	0
65	571550.55	4177958.99	0.55, 41779	0.25539	0.23344	0.22684	100.38932	31.1899	131.18831	12.54867	6.13877	16.39854	5.42E-11	1.12E-08	3E-09	1.67E-14	5.05E-14	3.99E-14	0	0	0	0	2.71E-13	1.9365E-12	2.99761E-09	1.71035E-14	0	8.53689E-15	0
66	571590.55	4177958.99	0.55, 41779	0.26174	0.2364	0.25018	103.20811	24.1035	113.65453	12.90101	5.55119	14.20569	5.55E-11	9.53E-09	3.01E-09	1.71E-14	5.17E-14	4.08E-14	0	0	0	0	2.774E-13	1.643E-12	3.01297E-09	1.75082E-14	0	8.73892E-15	0
67	570310.55	4177998.99	0.55, 41779	0.08992	0.06909	0.08739	61.55411	26.71644	63.33313	7.69426	4.42886	7.91664	1.69E-11	7.84E-09	1.78E-09	5.2E-15	1.57E-14	1.24E-14	0	0	0	0	8.431E-14	1.352E-12	1.78254E-09	5.32167E-15	0	2.65621E-15	0
68	570350.55	4177998.99	0.55, 41779	0.09687	0.07551	0.09431	63.16088	27.72336	68.96816	7.89511	4.52605	8.62102	1.84E-11	8.21E-09	1.84E-09	5.67E-15	1.71E-14	1.35E-14	0	0	0	0	9.184E-14	1.415E-12	1.84198E-09	5.79714E-15	0	2.89354E-15	0
69	570390.55	4177998.99	0.55, 41779	0.10411	0.08268	0.10154	65.18315	28.66629	70.59128	8.14789	4.5901	8.82391	2E-11	8.46E-09	1.9E-09	6.18E-15	1.87E-14	1.47E-14	0	0	0	0	1.001E-13	1.4594E-12	1.89906E-09	6.32066E-15	0	3.15484E-15	0
70	570430.55	4177998.99	0.55, 41779	0.11178	0.0909	0.10932	69.77828	29.77159	73.90272	8.72229	4.64595	9.23784	2.19E-11	8.85E-09	2.03E-09	6.76E-15	2.04E-14	1.61E-14	0	0	0	0	1.095E-13	1.5258E-12	2.02754E-09	6.91255E-15	0	3.45027E-15	0
71	570470.55	4177998.99	0.55, 41779	0.11947	0.09994	0.11702	73.23749	30.82615	79.61188	9.15469	4.70414	9.95148	2.39E-11	9.26E-09	2.13E-09	7.38E-15	2.23E-14	1.76E-14	0	0	0	0	1.196E-13	1.5972E-12	2.13469E-09	7.5516E-15	0	3.76925E-15	0
72	570510.55	4177998.99	0.55, 41779	0.12689	0.1096	0.1248	83.36058	31.87471	86.19643	10.42007	5.00665	10.77455	2.61E-11	9.84E-09	2.42E-09	8.04E-15	2.43E-14	1.92E-14	0	0	0	0	1.303E-13	1.6961E-12	2.41542E-09	8.22559E-15	0	4.10566E-15	0
73	570550.55	4177998.99	0.55, 41779	0.1338	0.11968	0.13227	93.92369	33.13511	96.59692	11.74046	5.30601	12.07462	2.83E-11	1.06E-08	2.72E-09	8.72E-15	2.63E-14	2.08E-14	0	0	0	0	1.413E-13	1.8205E-12	2.7198E-09	8.91813E-15	0	4.45132E-15	0
74	570590.55	4177998.99	0.55, 41779	0.14077	0.13095	0.13895	98.98148	34.43475	100.81152	12.37268	5.77536	12.60144	3.07E-11	1.1E-08	2.86E-09	9.46E-15	2.86E-14	2.26E-14	0	0	0	0	1.533E-13	1.8987E-12	2.86306E-09	9.67379E-15	0	4.8285E-15	0
75	570630.55	4177998.99	0.55, 41779	0.14863	0.14246	0.14416	96.29887	35.58815	97.29546	12.03736	6.62596	12.16193	3.31E-11	1.11E-08	2.78E-09	1.02E-14	3.08E-14	2.43E-14	0	0	0	0	1.653E-13	1.91E-12	2.78292E-09	1.04372E-14	0	5.20954E-15	0
76	570670.55	4177998.99	0.55, 41779	0.15906	0.15417	0.15133	108.0953	37.02771	115.61321	13.51191	7.37805	14.45165	3.56E-11	1.21E-08	3.14E-09	1.1E-14	3.32E-14	2.62E-14	0	0	0	0	1.781E-13	2.0798E-12	3.14457E-09	1.12451E-14	0	5.6128E-15	0
77	570710.55	4177998.99	0.55, 41779	0.17207	0.16581	0.16328	109.21603	39.28347	116.55796	14.39109	8.06843	17.60456	3.84E-11	1.25E-08	3.41E-09	1.18E-14	3.57E-14	2.82E-14	0	0	0	0	1.918E-13	2.1597E-12	3.40656E-09	1.2105E-14	0	6.04199E-15	0
78	570750.55	4177998.99	0.55, 41779	0.18601	0.17706	0.17647	119.66853	46.10023	126.10142	14.95857	8.7788	16.77146	4.11E-11	1.42E-08	3.5E-09	1.27E-14	3.83E-14	3.02E-14	0	0	0	0	2.053E-13	2.4563E-12	3.50128E-09	1.29584E-14	0	6.46796E-15	0
79	570790.55	4177998.99	0.55, 41779	0.19953	0.18772	0.18696	122.67556	49.8289	134.57394	15.33445	9.45426	16.82174	4.36E-11	1.52E-08	3.58E-09	1.34E-14	4.06E-14	3.21E-14	0	0	0	0	2.179E-13	2.6234E-12	3.57964E-09	1.37527E-14	0	6.8644E-15	0
80	570830.55	4177998.99	0.55, 41779	0.21109	0.19773	0.1968	133.54261	52.4094	148.58094	16.69283	9.90962	18.57262	4.59E-11	1.63E-08	3.9E-09	1.42E-14	4.28E-14	3.38E-14	0	0	0	0	2.296E-13	2.8069E-12	3.9035E-09	1.4491E-14	0	7.23292E-15	0
81	570870.55	4177998.99	0.55, 41779	0.21804	0.20674	0.20398	131.45449	55.15858	156.57352	16.43181	9.77159	19.57169	4.79E-11	1.7E-08	3.88E-09	1.48E-14	4.46E-14	3.53E-14	0	0	0	0	2.395E-13	2.9225E-12	3.8759E-09	1.51192E-14	0	7.54648E-15	0
82	570910.55	4177998.99	0.55, 41779	0.21803	0.21414	0.20286	148.11273	59.13207	173.84644	18.51409	8.43226	21.73081	4.92E-11	1.85E-08	4.36E-09	1.52E-14	4.59E-14	3.62E-14	0	0	0	0	2.462E-13	3.1855E-12	4.35874E-09	1.55403E-14	0	7.75665E-15	0
83	570950.55	4177998.99	0.55, 41779	0.2114	0.21889	0.19586	140.12444	63.58464	170.21851	21.83562	9.32684	21.27731	4.98E-11	1.9E-08	5.03E-09	1.54E-14	4.64E-14	3.66E-14	0	0	0	0	2.49E-13	3.2822E-12	5.02785E-09	1.57158E-14	0	7.84424E-15	0
84	570990.55	4177998.99	0.55, 41779	0.2013	0.22185	0.19061	171.25011	67.61488	221.4052	25.43318	11.18299	33.45295	5E-11	2.18E-08	6.08E-09	1.54E-14	4.66E-14	3.68E-14	0	0	0	0	2.5E-13	3.7504E-12	6.08107E-09	1.57788E-14	0	7.8757E-15	0
85	571030.55	4177998.99	0.55, 41779	0.19301	0.22456	0.1804	161.4506	75.02365	233.40135	21.94671	12.50394	33.34305	5.01E-11	2.32E-08	5.36E-09	1.54E-14	4.66E-14	3.68E-14	0	0	0	0	2.503E-13	4.0043E-12	5.36354E-09	1.57985E-14	0	7.88554E-15	0
86	571070.55	4177998.99	0.55, 41779	0.18927	0.22808	0.16676	165.36156	82.48884	231.46597	21.97245	12.95225	28.93325	5.03E-11	2.46E-08	5.25E-09	1.55E-14	4.68E-14	3.7E-14	0	0	0	0	2.514E-13	4.2468E-12	5.25445E-09	1.58671E-14	0	7.91976E-15	0
87	571110.55	4177998.99	0.55, 41779	0.18141	0.21619	0.16049	158.60632	80.72549	237.56536	25.62624	11.81551	29.69982	4.78E-11	2.43E-08	6.02E-09	1.47E-14	4.45E-14	3.51E-14	0	0	0	0	2.388E-13	4.1939E-12	6.02331E-09	1.50729E-14	0	7.52335E-15	0
88	571150.55	4177998.99	0.55, 41779	0.19202	0.23351	0.18032	164.05988	80.42402	231.86209	24.96785	14.13496	37.65816	5.17E-11	2.42E-08	6.09E-09	1.59E-14	4.82E-14	3.8E-14	0	0	0	0	2.584E-13	4.1783E-12	6.09474E-09	1.63118E-14	0	8.14175E-15	0
89	571190.55	4177998.99	0.55, 41779	0.1978	0.23414	0.17819	182.21875	91.74664	241.78028	26.03125	13.21695	31.92825	5.19E-11	2.7E-08	6.16E-09	1.6E-14	4.83E-14	3.82E-14	0	0	0	0	2.593E-13	4.6473E-12	6.16413E-09	1.63689E-14	0	8.17022E-15	0
90	571230.55	4177998.99	0.55, 41779	0.20367	0.23289	0.17473	172.67663	91.69738	231.55794	22.62496	13.85272	33.07971	5.17E-11	2.65E-08	5.5E-09	1.59E-14	4.81E-14	3.8E-14	0	0	0	0	2.583E-13	4.5659E-12	5.49574E-09	1.63063E-14	0	8.13899E-15	0
91	571270.55	4177998.99	0.55, 41779	0.21358	0.23476	0.18394	171.66845	86.35935	210.57834	21.45856	13.01074	28.58393	5.25E-11	2.49E-08	5.14E-09	1.62E-14	4.89E-14	3.86E-14	0	0	0	0	2.623E-13	4.2989E-12	5.14005E-09	1.65553E-14	0	8.26328E-15	0
92	571310.55	4177998.99	0.55, 41779	0.23025	0.24083	0.19159	171.26207	72.34733	231.62674	21.40776	11.81711	28.95334	5.41E-11	2.29E-08	5.14E-09	1.67E-14	5.04E-14	3.98E-14	0	0	0	0	2.706E-13	3.9465E-12	5.13922E-09	1.70801E-14	0	8.5252E-15	0
93	571350.55	4177998.99	0.55, 41779	0.25373	0.25254	0.198	169.27826	60.68614	249.61103	21.15978	11.13084	31.20138	5.69E-11	2.12E-08	5.15E-09	1.76E-14	5.3E-14	4.19E-14	0	0	0	0	2.846E-13	3.6494E-12	5.14668E-09	1.79672E-14	0	8.968E-15	0
94	571390.55	4177998.99	0.55, 41779	0.27999	0.26698	0.21185	164.13881	55.69534	253.30621	20.51735	9.69774	31.66328	6.05E-11	2.02E-08	5.03E-09	1.87E-14	5.64E-14	4.45E-14	0	0	0	0	3.025E-13	3.489E-12	5.02697E-09	1.90922E-14	0	9.52953E-15	0
95	571430.55	4177998.99	0.55, 41779	0.30187	0.27888	0.2328	148.06777	50.74185	217.39094	18.50847	8.30154	27.17387	6.37E-11	1.81E-08	4.5E-09	1.97E-14	5.93E-14	4.69E-14	0	0	0	0	3.184E-13	3.1136E-12	4.49875E-09	2.00989E-14	0	1.0032E-14	0
96	571470.55	4177998.99	0.55, 41779	0.32222	0.29016	0.268	133.22849	41.8567	195.88733	16.65356	8.00082	24.48592	6.71E-11	1.56E-08	4.05E-09	2.07E-14	6.25E-14	4.94E-14	0	0	0	0	3.355E-13	2.6821E-12	4.0488E-09	2.11762E-14	0	1.05697E-14	0
97	571510.55	4177998.99	0.55, 41779	0.33311	0.29527	0.30394	113.25391	33.39085	138.27651	14.15674	7.16119	17.28456	6.92E-11	1.21E-08	3.35E-09	2.14E-14	6.45E-14	5.09E-14	0	0	0	0	3.46E-13	2.0841E-12	3.35022E-09	2.18389E-14	0	1.09005E-14	0
98	571550.55	4177998.99	0.55, 41779	0.33431	0.29408	0.33024	118.79132	25.19774	142.42424	14.84891	6.75336	17.80303	6.97E-11	1.08E-08	3.51E-09	2.15E-14	6.49E-14	5.13E-14	0	0	0	0	3.484E-13	1.8622E-12	3.50556E-09	2.19928E-14	0	1.09773E-14	0
99	571590.55	4177998.99	0.55, 41779	0.32897	0.28857	0.34209	117.12124	19.87515	150.29933	14.64016	6.7762	18.78742	6.89E-11	9.99E-09	3.49E-09	2.12E-14	6.42E-14	5.07E-14	0	0	0	0	3.443E-13	1.7224E-12	3.48829E-09	2.17344E-14	0	1.08483E-14	0
100	570310.55	4178038.99	0.55, 41780	0.09395	0.07118	0.09114	60.38117	27.45867	68.75884	7.54765	4.57644	8.59485	1.74E-11	8.09E-09	1.77E-09	5.38E-15	1.62E-14	1.28E-14	0	0	0	0	8.714E-14	1.3957E-12	1.77008E-09	5.50028E-15	0	2.74537E-15	0
101	570350.55	4178038.99	0.55, 41780	0.10181	0.07823	0.09867	67.40685	28.30867	69.9761	8.42586	4.71811	8.74701	1.91E-11	8.43E-09	1.95E-09	5.89E-15	1.78E-14	1.4E-14	0	0	0	0	9.542E-14	1.4533E-12	1.95405E-09	6.02334E-15	0	3.00644E-15	0
102	570390.55	4178038.99	0.55, 41780	0.11033	0.08626	0.10708	70.86935	29.39362	77.00767	8.85867	4.86131	9.62596	2.1E-11	8.88E-09	2.07E-09	6.47E-15	1.95E-14	1.54E-14	0	0	0	0	1.048E-13	1.5315E-12	2.06556E-09	6.61491E-15	0	3.30171E-15	0
103	570430.55	4178038.99	0.55, 41780	0.11935	0.09539	0.11615	72.77771	30.53752	78.92837	9.09721	4.99157	9.86605	2.31E-11	9.18E-09	2.12E-09	7.12E-15	2.15E-14	1.7E-14	0	0	0	0	1.153E-13	1.5833E-12	2.12069E-09	7.27912E-15	0	3.63324E-15	0
104	570470.55	4178038.99	0.55, 41780	0.12876	0.10583	0.1256	77.88414	31.78332	83.40463	9.73552	5.12346	10.42558	2.54E-11	9.63E-09	2.27E-09	7.85E-15	2.37E-14	1.87E-14	0	0	0	0	1.271E-13	1.6612E-12	2.26604E-09	8.02516E-15	0	4.00562E-15	0
105	570510.55	4178038.99	0.55, 41780	0.13797	0.11733	0.13491	81.61557	33.05226	90.60057	10.20195	5.27698	11.32507	2.8E-11	1.01E-08	2.38E-09	8.63E-15	2.61E-14	2.06E-14	0	0	0	0	1.399E-13	1.747E-12	2.38498E-09	8.8304E-15	0	4.40753E-15	0
106	570550.55	4178038.99	0.55, 41780	0.14677	0.12979	0.14418	83.22783	34.40977	92.92473	10.40348	5.64664	11.61559	3.07E-11	1.05E-08	2.43E-09	9.47E-15	2.86E-14	2.26E-14	0	0	0	0	1.535E-13	1.8063E-12	2.43383E-09	9.68844E-15	0	4.83581E-15	0
107	570590.55	4178038.99	0.55, 41780	0.15543	0.14397	0.15331	100.7883	35.81672	104.85134	12.59854	6.05306	13.10642	3.37E-11	1.14E-08	2.92E-09	1.04E-14	3.14E-14	2.48E-14	0	0	0	0	1.686E-13	1.9671E-12	2.92245E-09	1.06444E-14	0	5.31298E-15	0
108	570630.55	4178038.99	0.55, 41780	0.16446	0.15887	0.16086	114.63184	37.47906	118.86748	14.32898	6.85921	14.85844	3.69E-11	1.24E-08	3.32E-09	1.14E-14	3.43E-14	2.71E-14	0	0	0	0	1.843E-13	2.1321E-12	3.32261E-09	1.16318E-14	0	5.8058E-15	0
109	570670.55	4178038.99	0.55, 41780	0.17604	0.17458	0.16859	120.19022	39.09251	122.97013	15.02378	7.81169	15.37127	4.02E-11	1.29E-08	3.48E-09	1.24E-14	3.74E-14	2.96E-14	0	0	0	0	2.009E-13	2.2216E-12	3.47834E-09	1.26844E-14	0	6.3312E-15	0
110	570710.55	4178038.99	0.55, 41780	0.19156	0.191	0.18153	122.05191	40.81454	130.55962	15.86896	8.63568	17.88475	4.39E-11	1.34E-08	3.72E-09	1.35E-14	4.09E-14	3.23E-14	0	0	0	0	2.194E-13	2.3169E-12	3.71677E-09	1.38468E-14	0	6.91137E-15	0
111	570750.55	4178038.99	0.55, 41780	0.2105	0.20761	0.19902	132.53323	47.68084	144.79481	16.56665	9.43658	19.64627	4.78E-11	1.53E-08	3.91E-09	1.47E-14	4.45E-14	3.52E-14	0	0	0	0	2.389E-13	2.6361E-12	3.90547E-09	1.50798E-14	0	7.52682E-15	0
112	570790.55	4178038.99	0.55, 41780	0.23169	0.22417	0.21523	139.552	52.7884	147.64201	17.444	10.33029	19.40572	5.17E-11	1.65E-08	4.08E-09	1.6E-14	4.82E-14	3.8E-14	0	0	0	0	2.584E-13	2.8362E-12	4.07908E-09	1.63142E-14	0	8.14294E-15	0
113	570830.55	4178038.99	0.55, 41780	0.25382	0.24067	0.23208	145.24751	55.81087	161.73262	18.15594	11.28689	20.21658	5.56E-11	1.75E-08	4.25E-09	1.72E-14	5.18E-14	4.09E-14	0	0	0	0	2.781E-13	3.0156E-12	4.24605E-09	1.75565E-14	0	8.76302E-15	0
114	570870.55	4178038.99	0.55, 41780	0.27385	0.25672	0.25028	159.27674	59.06353	181.66903	19.90959	12.04587	22.70863	5.95E-11	1.89E-08	4.67E-09	1.84E-14	5.54E-14	4.38E-14	0	0	0	0	2.974E-13	3.2583E-12	4.67016E-09	1.87699E-14	0	9.36868E-15	0
115	570910.55	4178038.99	0.55, 41780	0.28498	0.272	0.26185	154.31681	63.03506	190.144	19.2896	11.80173	23.768	6.28E-11	1.97E-08	4.57E-09	1.94E-14	5.85E-14	4.62E-14	0	0	0	0	3.141E-13	3.4046E-12	4.57054E-09	1.9826E-14	0	9.89581E-15	0
116	570950.55	4178038.99	0.55, 41780	0.28313	0.28254	0.2606	178.15221	69.82475	214.80591	22.26903	10.41815	26.85074	6.47E-11	2.21E-08	5.26E-09	2E-14	6.03E-14	4.76E-14	0	0	0	0	3.234E-13	3.8158E-12	5.26124E-09	2.04166E-14	0	1.01906E-14	0
117	570990.55	4178038.99	0.55, 41780	0.27042	0.28832	0.24711	188.87787	74.10995	223.28286	29.14051	12.35166	34.29706	6.51E-11	2.34E-08	6.86E-09	2.01E-14	6.07E-14	4.79E-14	0	0	0	0	3.257E-13	4.0282E-12	6.86292E-09	2.05591E-14	0	1.02617E-14	0
118	571030.55	4178038.99	0.55, 41780	0.25749	0.29249	0.23391	188.96663	83.29257	277.8919	26.99523	13.88209	39.69884	6.53E-11	2.65E-08	6.56E-09	2.01E-14	6.08E-14	4.81E-14	0	0	0	0	3.265E-13	4.5644E-12	6.56326E-09	2.06088E-14	0	1.02865E-14	0
119	571070.55	4178038.99	0.55, 41780	0.25163	0.29646	0.21613	192.59035	92.57991	271.23553	26.01862	14.40126	34.27332	6.54E-11	2.81E-08	6.22E-09	2.02E-14	6.1E-14	4.82E-14	0	0	0	0	3.272E-13	4.8426E-12	6.22236E-09	2.06558E-14	0	1.031E-14	0
120	571110.55	4178038.99	0.55, 41780	0.23996	0.28057	0.20816	179.79911	89.13384	295.00102	29.33997	15.522	36.88643	6.21E-11	2.78E-08	6.97E-09	1.92E-14	5.78E-14	4.57E-14	0	0	0	0	3.103E-13	4.7936E-12	6.97096E-09	1.95901E-14	0	9.77805E-15	0
121	571150.55	4178038.99	0.55, 41780	0.25767	0.30302	0.23363	202.30498	100.11261	284.90591	28.90071	16.95197	47.48432	6.72E-11	3E-08	7.16E-09	2.07E-14	6.26E-14	4.95E-14	0	0	0	0	3.362E-13	5.1777E-12	7.15577E-09	2.122E-14	0	1.05916E-14	0
122	571190.55	4178038.99	0.55, 41780	0.27122	0.30641	0.22867	194.68377	101.89225	297.80862	27.81197	16.7188	37.22608	6.8E-11	3.05E-08	6.67E-09	2.1E-14	6.34E-14	5.01E-14	0	0	0	0	3.401E-13	5.2647E-12	6.66655E-09	2.14653E-14	0	1.0714E-14	0
123	571230.55	4178038.99	0.55, 41780	0.28804	0.31092	0.2326	196.84209	99.06119	294.63263	24.60526	16.26482	42.09038	6.93E-11	3E-08	6.14E-09	2.14E-14	6.46E-14	5.1E-14	0	0	0	0	3.465E-13	5.1683E-12	6.13536E-09	2.18698E-14	0	1.09159E-14	0
124	571270.55	4178038.99	0.55, 41780	0.31661	0.32283	0.24843	191.8709	85.51951	280.99547	23.98386	14.63938	35.12443	7.25E-11	2.7E-08	5.83E-09	2.24E-14	6.75E-14	5.34E-14	0	0	0	0	3.625E-13	4.6594E-12	5.82733E-09	2.28791E-14	0	1.14197E-14	0
125	571310.55	4178038.99	0.55, 41780	0.35598	0.34149	0.26147	189.38373	68.10225	290.04443	23.67297	13.72977	36.25555	7.71E-11	2.4E-08	5.79E-09	2.38E-14	7.18E-14	5.67E-14	0	0	0	0	3.854E-13	4.1377E-12	5.79293E-09	2.43287E-14	0	1.21432E-14	0
126	571350.55	4178038.99	0.55, 41780	0.39399	0.35989	0.2835	182.95784	62.01914	299.45287	22.86973	11.81322	37.43161	8.18E-11	2.3E-08	5.66E-09	2.53E-14	7.62E-14	6.02E-14	0	0	0	0	4.092E-13	3.9635E-12	5.65878E-09	2.58278E-14	0	1.28915E-14	0
127	571390.55	4178038.99	0.55, 41780	0.4222	0.3733	0.32107	164.47464	56.17724	258.72398	20.55933	10.13431	32.3405	8.59E-11	2.05E-08	5.05E-09	2.65E-14	8E-14	6.32E-14	0	0	0	0	4.293E-13	3.5297E-12	5.05314E-09	2.70999E-14	0	1.35264E-14	0
128	571430.55	4178038.99	0.55, 41780	0.44026	0.38105	0.3744	146.31006	45.8458	221.86738	18.28876	9.60517	27.73342	8.9E-11	1.72E-08	4.47E-09	2.75E-14	8.3E-14	6.55E-14	0	0	0	0	4.452E-13	2.9718E-12	4.46822E-09	2.81053E-14	0	1.40283E-14	0
129	571470.55	4178038.99	0.55, 41780	0.44344	0.3799	0.42037	134.05635	35.96521	154.66668	16.75704	8.42199	19.33334	9.01E-11	1.34E-08	3.94E-09	2.78E-14	8.39E-14	6.63E-14	0	0	0	0	4.505E-13	2.3136E-12	3.93639E-09	2.84355E-14	0	1.41931E-14	0
130	571510.55	4178038.99	0.55, 41780	0.43369	0.37075	0.44522	135.2804	26.4112	176.84451	16.91005	8.14543	22.10556	8.89E-11	1.23E-08	4.04E-09	2.74E-14	8.28E-14	6.54E-14	0	0	0	0	4.443E-13	2.1136E-12	4.03965E-09	2.8043E-14	0	1.39972E-14	0
131	571550.55	4178038.99	0.55, 41780	0.4157	0.35641	0.44493	128.00174	25.24959	172.96462	16.00022	7.84928	21.62058	8.58E-11	1.18E-08	3.84E-09	2.65E-14	8E-14	6.32E-14	0	0	0	0	4.291E-13	2.0333E-12	3.84057E-09	2.7089E-14	0	1.3521E-14	0
132	571590.55	4178038.99	0.55, 41780	0.38889	0.33646	0.4222	114.21376	28.264	151.26331	14.27672	7.21894	18.90791	8.1E-11	1.15E-08	3.42E-09	2.5E-14	7.55E-14	5.96E-14	0	0	0	0	4.05E-13	1.9827E-12	3.41692E-09	2.55673E-14	0	1.27615E-14	0
133	570310.55	4178078.99	0.55, 41780	0.09792	0.07296	0.09477	71.40728	28.01469	77.09789	8.92591	4.66912	9.63724	1.79E-11	8.64E-09	2.08E-09	5.53E-15	1.67E-14	1.32E-14	0	0	0	0	8.966E-14	1.4901E-12	2.07964E-09	5.6595E-15	0	2.82484E-15	0
134	570350.55	4178078.99	0.55, 41780	0.1067	0.08065	0.10312	70.03301	29.10671	80.22931	8.75413	4.85112	10.02866	1.97E-11	8.9E-09	2.05E-09	6.09E-15	1.84E-14	1.45E-14	0	0	0	0	9.874E-14	1.5338E-12	2.05458E-09	6.2325E-15	0	3.11084E-15	0
135	570390.55	4178078.99	0.55, 41780	0.11641	0.08948	0.11242	73.93226	30.15719	77.81828	9.24153	5.0262	9.72728	2.18E-11	9.11E-09	2.15E-09	6.73E-15	2.03E-14	1.61E-14	0	0	0	0	1.091E-13	1.5704E-12	2.14667E-09	6.88567E-15	0	3.43686E-15	0
136	570430.55	4178078.99	0.55, 41780	0.12715	0.09969	0.12302	79.99098	31.34254	86.52141	9.99887	5.20891	10.81518	2.42E-11	9.68E-09	2.33E-09	7.47E-15	2.25E-14	1.78E-14	0	0	0	0	1.21E-13	1.6686E-12	2.33013E-09	7.63647E-15	0	3.8116E-15	0
137	570470.55	4178078.99	0.55, 41780	0.13857	0.11144	0.13449	81.53824	32.65768	88.86509	10.19228	5.39019	11.10814	2.69E-11	1E-08	2.38E-09	8.3E-15	2.51E-14	1.98E-14	0	0	0	0	1.345E-13	1.7264E-12	2.37738E-09	8.48839E-15	0	4.23683E-15	0
138	570510.55	4178078.99	0.55, 41780	0.15049	0.12507	0.14657	87.75299	34.11951	95.20757	10.96912	5.60116	11.90095	3E-11	1.06E-08	2.56E-09	9.25E-15	2.79E-14	2.21E-14	0	0	0	0	1.498E-13	1.8234E-12	2.55718E-09	9.4579E-15	0	4.72074E-15	0
139	570550.55	4178078.99	0.55, 41780	0.16198	0.14034	0.1583	91.64015	35.64897	104.22382	11.45502	5.99366	13.02798	3.33E-11	1.12E-08	2.69E-09	1.03E-14	3.1E-14	2.45E-14	0	0	0	0	1.666E-13	1.9262E-12	2.68601E-09	1.05171E-14	0	5.24941E-15	0
140	570590.55	4178078.99	0.55, 41780	0.17272	0.15744	0.16968	88.35639	37.38874	105.88084	11.57204	6.46071	13.23511	3.7E-11	1.15E-08	2.72E-09	1.14E-14	3.45E-14	2.72E-14	0	0	0	0	1.85E-13	1.9772E-12	2.71537E-09	1.16749E-14	0	5.82732E-15	0
141	570630.55	4178078.99	0.55, 41780	0.1831	0.1763	0.17984	101.08083	39.23196	114.54818	12.6351	7.02353	14.31852	4.09E-11	1.23E-08	2.96E-09	1.26E-14	3.81E-14	3.01E-14	0	0	0	0	2.047E-13	2.12E-12	2.96138E-09	1.29227E-14	0	6.45016E-15	0
142	570670.55	4178078.99	0.55, 41780	0.19537	0.19687	0.18849	125.63761	41.20021	131.91916	15.7047	8.22231	16.4899	4.52E-11	1.36E-08	3.65E-09	1.4E-14	4.21E-14	3.33E-14	0	0	0	0	2.261E-13	2.348E-12	3.64693E-09	1.427E-14	0	7.12263E-15	0
143	570710.55	4178078.99	0.55, 41780	0.21241	0.21933	0.20096	144.38379	43.29239	151.59141	18.04797	9.29195	18.94893	5E-11	1.49E-08	4.19E-09	1.54E-14	4.66E-14	3.68E-14	0	0	0	0	2.501E-13	2.5695E-12	4.19104E-09	1.57897E-14	0	7.88115E-15	0
144	570750.55	4178078.99	0.55, 41780	0.23537	0.24332	0.2221	149.96792	48.92505	154.1756	18.74599	10.23	23.04389	5.55E-11	1.61E-08	4.44E-09	1.71E-14	5.17E-14	4.08E-14	0	0	0	0	2.774E-13	2.78E-12	4.44033E-09	1.75081E-14	0	8.73885E-15	0
145	570790.55	4178078.99	0.55, 41780	0.26445	0.26867	0.24585	159.48841	56.15329	178.05216	19.93605	11.24377	22.79466	6.14E-11	1.83E-08	4.68E-09	1.89E-14	5.72E-14	4.52E-14	0	0	0	0	3.068E-13	3.1504E-12	4.67781E-09	1.9367E-14	0	9.66669E-15	0
146	570830.55	4178078.99	0.55, 41780	0.30001	0.29551	0.27029	164.85959	59.75168	177.78875	20.60745	12.43332	22.22359	6.77E-11	1.9E-08	4.8E-09	2.09E-14	6.31E-14	4.98E-14	0	0	0	0	3.384E-13	3.2827E-12	4.80063E-09	2.13606E-14	0	1.06618E-14	0
147	570870.55	4178078.99	0.55, 41780	0.34051	0.32416	0.30185	178.96906	63.85658	203.22306	22.37113	13.91568	25.40288	7.46E-11	2.07E-08	5.24E-09	2.3E-14	6.95E-14	5.49E-14	0	0	0	0	3.731E-13	3.5773E-12	5.24462E-09	2.35502E-14	0	1.17546E-14	0
148	570910.55	4178078.99	0.55, 41780	0.37529	0.35313	0.33459	192.82824	68.49057	229.7632	24.10353	15.26079	28.7204	8.15E-11	2.26E-08	5.69E-09	2.52E-14	7.6E-14	6E-14	0	0	0	0	4.076E-13	3.8928E-12	5.68577E-09	2.57305E-14	0	1.28429E-14	0
149	570950.55	4178078.99	0.55, 41780	0.39192	0.37725	0.35493	199.56835	75.56845	241.42387	26.9715	14.65967	30.17798	8.68E-11	2.43E-08	6.31E-09	2.68E-14	8.09E-14	6.39E-14	0	0	0	0	4.342E-13	4.1939E-12	6.31148E-09	2.74084E-14	0	1.36804E-14	0
150	570990.55	4178078.99	0.55, 41780	0.38624	0.39167	0.34038	209.52387	83.72546	270.89556	31.32288	13.79848	33.86195	8.9E-11	2.68E-08	7.3E-09	2.75E-14	8.29E-14	6.55E-14	0	0	0	0	4.45E-13	4.6204E-12	7.299E-09	2.80906E-14	0	1.40209E-14	0
151	571030.55	4178078.99	0.55, 41780	0.36706	0.40059	0.31708	238.62537	94.19927	346.28961	34.73297	15.69988	52.33117	8.96E-11	3.13E-08	8.48E-09	2.77E-14	8.35E-14	6.6E-14	0	0	0	0	4.482E-13	5.3943E-12	8.47701E-09	2.8293E-14	0	1.4122E-14	0
152	571070.55	4178078.99	0.55, 41780	0.35702	0.41066	0.29659	228.92087	105.90077	368.47625	31.45005	16.61116	46.05953	9.08E-11	3.38E-08	7.64E-09	2.8E-14	8.46E-14	6.68E-14	0	0	0	0	4.538E-13	5.8305E-12	7.6414E-09	2.86451E-14	0	1.42977E-14	0
153	571110.55	4178078.99	0.55, 41780	0.35812	0.41418	0.29542	212.64364	104.08221	374.64105	34.6648	20.98986	46.90606	9.14E-11	3.33E-08	8.32E-09	2.82E-14	8.52E-14	6.73E-14	0	0	0	0	4.57E-13	5.7421E-12	8.32234E-09	2.88474E-14	0	1.43987E-14	0
154	571150.55	4178078.99	0.55, 41780	0.37758	0.42317	0.31748	239.48451	117.47672	371.65504	34.21207	20.38272	60.67868	9.4E-11	3.63E-08	8.59E-09	2.9E-14	8.76E-14	6.92E-14	0	0	0	0	4.702E-13	6.2502E-12	8.58672E-09	2.96782E-14	0	1.48133E-14	0
155	571190.55	4178078.99	0.55, 41780	0.41277	0.43447	0.31013	228.77572	115.09155	359.73847	28.66724	20.67403	44.96731	9.67E-11	3.53E-08	7.04E-09	2.98E-14	9.01E-14	7.11E-14	0	0	0	0	4.833E-13	6.0829E-12	7.04263E-09	3.05056E-14	0	1.52263E-14	0
156	571230.55	4178078.99	0.55, 41780	0.46673	0.45732	0.33128	219.54291	100.98995	305.404	27.44286	18.56894	43.62914	1.03E-10	3.11E-08	6.76E-09	3.16E-14	9.55E-14	7.55E-14	0	0	0	0	5.127E-13	5.3589E-12	6.75694E-09	3.23607E-14	0	1.61523E-14	0
157	571270.55	4178078.99	0.55, 41780	0.53318	0.48578	0.3586	215.1929	81.06645	332.5769	26.89911	17.27973	41.57211	1.1E-10	2.8E-08	6.59E-09	3.39E-14	1.02E-13	8.09E-14	0	0	0	0	5.493E-13	4.832E-12	6.59213E-09	3.46744E-14	0	1.73071E-14	0
158	571310.55	4178078.99	0.55, 41780	0.58671	0.50689	0.39851	205.97464	69.75551	363.05687	25.74683	14.70822	45.38211	1.16E-10	2.65E-08	6.45E-09	3.58E-14	1.08E-13	8.53E-14	0	0	0	0	5.794E-13	4.576E-12	6.45474E-09	3.65754E-14	0	1.82559E-14	0
159	571350.55	4178078.99	0.55, 41780	0.61439	0.51569	0.46686	184.46358	62.8789	316.33591	23.05795	12.5762	39.54199	1.2E-10	2.36E-08	5.75E-09	3.7E-14	1.12E-13	8.82E-14	0	0	0	0	5.993E-13	4.0717E-12	5.75209E-09	3.78316E-14	0	1.88829E-14	0
160	571390.55	4178078.99	0.55, 41780	0.61879	0.51229	0.54521	162.6235	50.78632	251.98298	20.32794	11.67282	31.49787	1.21E-10	1.93E-08	4.98E-09	3.75E-14	1.13E-13	8.93E-14	0	0	0	0	6.068E-13	3.3217E-12	4.98386E-09	3.8304E-14	0	1.91187E-14	0
161	571430.55	4178078.99	0.55, 41780	0.60477	0.49855	0.60294	157.24404	39.05995	207.2573	19.65551	9.99401	25.90716	1.2E-10	1.58E-08	4.7E-09	3.7E-14	1.12E-13	8.83E-14	0	0	0	0	6.002E-13	2.73E-12	4.70103E-09	3.78858E-14	0	1.891E-14	0
162	571470.55	4178078.99	0.55, 41780	0.57311	0.47467	0.61341	152.07991	30.59352	215.52596	19.00999	9.68796	26.94074	1.15E-10	1.44E-08	4.6E-09	3.56E-14	1.07E-13	8.48E-14	0	0	0	0	5.763E-13	2.4795E-12	4.59551E-09	3.63755E-14	0	1.81562E-14	0
163	571510.55	4178078.99	0.55, 41780	0.53465	0.44658	0.58613	137.55383	33.88214	191.36045	17.19423	8.95455	23.92006	1.09E-10	1.41E-08	4.14E-09	3.35E-14	1.01E-13	7.99E-14	0	0	0	0	5.429E-13	2.424E-12	4.14496E-09	3.4267E-14	0	1.71037E-14	0
164	571550.55	4178078.99	0.55, 41780	0.48548	0.41212	0.53241	120.13532	36.07438	157.49519	15.01691	7.90342	19.6869	9.98E-11	1.32E-08	3.59E-09	3.08E-14	9.3E-14	7.35E-14	0	0	0	0	4.99E-13	2.2799E-12	3.58885E-09	3.15015E-14	0	1.57234E-14	0
165	571590.55	4178078.99	0.55, 41780	0.43445	0.37558	0.47142	108.95419	37.19094	141.55637	13.61927	6.74143	17.69455	9.04E-11	1.28E-08	3.25E-09	2.79E-14	8.43E-14	6.66E-14	0	0	0	0	4.522E-13	2.2041E-12	3.25068E-09	2.85433E-14	0	1.42469E-14	0
166	570310.55	4178118.99	0.55, 41781	0.10149	0.07442	0.09774	69.0748	28.05035	78.28908	8.63435	4.67506	9.78613	1.84E-11	8.63E-09	2.02E-09	5.66E-15	1.71E-14	1.35E-14	0	0	0	0	9.176E-14	1.4882E-12	2.02373E-09	5.79208E-15	0	2.89101E-15	0
167	570350.55	4178118.99	0.55, 41781	0.11138	0.08273	0.10725	79.07973	29.62524	82.98136	9.88497	4.93754	10.37267	2.03E-11	9.25E-09	2.3E-09	6.27E-15	1.89E-14	1.5E-14	0	0	0	0	1.017E-13	1.595E-12	2.29531E-09	6.41791E-15	0	3.20338E-15	0
168	570390.55	4178118.99	0.55, 41781	0.12249	0.09237	0.11775	81.81771	30.97041	92.38822	10.22721	5.16174	11.54853	2.26E-11	9.8E-09	2.4E-09	6.98E-15	2.11E-14	1.66E-14	0	0	0	0	1.131E-13	1.6896E-12	2.39596E-09	7.13716E-15	0	3.56239E-15	0
169	570430.55	4178118.99	0.55, 41781	0.13492	0.10362	0.12964	81.48606	32.23138	89.13007	10.18576	5.3719	11.14126	2.53E-11	9.94E-09	2.38E-09	7.79E-15	2.35E-14	1.86E-14	0	0	0	0	1.263E-13	1.7139E-12	2.3769E-09	7.97006E-15	0	3.97811E-15	0
170	570470.55	4178118.99	0.55, 41781	0.14882	0.11683	0.14311	90.82614	33.6686	97.62505	11.35327	5.5932	12.20313	2.83E-11	1.06E-08	2.64E-09	8.74E-15	2.64E-14	2.08E-14	0	0	0	0	1.416E-13	1.8309E-12	2.64376E-09	8.93949E-15	0	4.46198E-15	0
171	570510.55	4178118.99	0.55, 41781	0.16361	0.13228	0.15796	92.34034	35.20886	102.68913	11.54254	5.82093	12.83614	3.19E-11	1.11E-08	2.7E-09	9.83E-15	2.97E-14	2.35E-14	0	0	0	0	1.593E-13	1.9079E-12	2.69898E-09	1.00563E-14	0	5.01942E-15	0
172	570550.55	4178118.99	0.55, 41781	0.17911	0.1505	0.17388	100.11195	36.92243	110.21215	12.51399	6.33987	13.77652	3.6E-11	1.17E-08	2.92E-09	1.11E-14	3.35E-14	2.65E-14	0	0	0	0	1.798E-13	2.0238E-12	2.9225E-09	1.13476E-14	0	5.66394E-15	0
173	570590.55	4178118.99	0.55, 41781	0.19374	0.17125	0.18923	103.74737	38.76233	121.67682	12.96842	6.89651	15.2096	4.05E-11	1.24E-08	3.05E-09	1.25E-14	3.77E-14	2.98E-14	0	0	0	0	2.024E-13	2.1465E-12	3.05282E-09	1.27756E-14	0	6.37672E-15	0
174	570630.55	4178118.99	0.55, 41781	0.2069	0.19483	0.20326	104.63966	41.01094	121.05227	13.84797	7.49161	15.13153	4.55E-11	1.29E-08	3.23E-09	1.4E-14	4.24E-14	3.35E-14	0	0	0	0	2.273E-13	2.2183E-12	3.23109E-09	1.43478E-14	0	7.16145E-15	0
175	570670.55	4178118.99	0.55, 41781	0.21998	0.22122	0.21442	115.58367	43.51142	138.36153	15.0671	8.60459	17.29519	5.09E-11	1.4E-08	3.54E-09	1.57E-14	4.74E-14	3.74E-14	0	0	0	0	2.544E-13	2.4143E-12	3.53711E-09	1.60594E-14	0	8.01574E-15	0
176	570710.55	4178118.99	0.55, 41781	0.23703	0.25104	0.22497	127.12041	45.98226	134.54184	16.41254	9.96819	16.81773	5.7E-11	1.46E-08	3.8E-09	1.76E-14	5.31E-14	4.2E-14	0	0	0	0	2.85E-13	2.517E-12	3.80053E-09	1.79914E-14	0	8.98007E-15	0
177	570750.55	4178118.99	0.55, 41781	0.26187	0.28441	0.24496	163.41699	49.64069	173.69321	20.42712	11.18287	24.67477	6.42E-11	1.7E-08	4.83E-09	1.98E-14	5.98E-14	4.72E-14	0	0	0	0	3.209E-13	2.9381E-12	4.82723E-09	2.02581E-14	0	1.01115E-14	0
178	570790.55	4178118.99	0.55, 41781	0.29707	0.32177	0.27572	189.30326	59.79186	203.13563	23.66291	12.3939	25.39195	7.26E-11	2.02E-08	5.51E-09	2.24E-14	6.76E-14	5.34E-14	0	0	0	0	3.63E-13	3.4848E-12	5.50913E-09	2.29128E-14	0	1.14365E-14	0
179	570830.55	4178118.99	0.55, 41781	0.34574	0.3643	0.31009	193.11502	64.55328	210.79637	24.13938	13.76558	26.34955	8.23E-11	2.14E-08	5.63E-09	2.54E-14	7.67E-14	6.06E-14	0	0	0	0	4.117E-13	3.6839E-12	5.63164E-09	2.5986E-14	0	1.29704E-14	0
180	570870.55	4178118.99	0.55, 41781	0.41228	0.41342	0.35667	202.8381	69.60981	241.64288	25.35476	15.49628	31.6123	9.4E-11	2.33E-08	6.02E-09	2.9E-14	8.76E-14	6.92E-14	0	0	0	0	4.699E-13	4.0173E-12	6.01726E-09	2.96592E-14	0	1.48039E-14	0
181	570910.55	4178118.99	0.55, 41781	0.49003	0.46844	0.41739	224.50761	75.3478	268.49725	28.06345	17.99511	33.56216	1.07E-10	2.55E-08	6.62E-09	3.31E-14	1E-13	7.9E-14	0	0	0	0	5.365E-13	4.3971E-12	6.62308E-09	3.38648E-14	0	1.6903E-14	0
182	570950.55	4178118.99	0.55, 41781	0.55455	0.52056	0.48015	237.44511	82.6149	307.44591	31.19836	20.61697	38.43074	1.2E-10	2.81E-08	7.39E-09	3.7E-14	1.12E-13	8.82E-14	0	0	0	0	5.993E-13	4.8484E-12	7.39196E-09	3.78317E-14	0	1.8883E-14	0
183	570990.55	4178118.99	0.55, 41781	0.59019	0.56679	0.49805	260.70129	98.30209	347.94815	39.14578	18.7176	43.49352	1.3E-10	3.25E-08	9.15E-09	4E-14	1.21E-13	9.54E-14	0	0	0	0	6.479E-13	5.611E-12	9.15238E-09	4.08998E-14	0	2.04144E-14	0
184	571030.55	4178118.99	0.55, 41781	0.58003	0.59593	0.46436	288.08817	110.38847	394.82286	43.41155	19.84321	60.28631	1.34E-10	3.66E-08	1.05E-08	4.13E-14	1.25E-13	9.85E-14	0	0	0	0	6.694E-13	6.3025E-12	1.04623E-08	4.2252E-14	0	2.10893E-14	0
185	571070.55	4178118.99	0.55, 41781	0.56003	0.61401	0.43624	281.59163	124.26135	479.69295	39.26934	23.95732	65.06151	1.36E-10	4.12E-08	9.74E-09	4.2E-14	1.27E-13	1E-13	0	0	0	0	6.803E-13	7.0994E-12	9.73706E-09	4.29422E-14	0	2.14338E-14	0
186	571110.55	4178118.99	0.55, 41781	0.57497	0.62965	0.42923	279.23237	138.16088	507.21032	41.39356	27.39628	63.69191	1.39E-10	4.44E-08	1.01E-08	4.29E-14	1.3E-13	1.02E-13	0	0	0	0	6.953E-13	7.6556E-12	1.0137E-08	4.38921E-14	0	2.1908E-14	0
187	571150.55	4178118.99	0.55, 41781	0.64473	0.65929	0.45591	273.06399	137.55558	506.75735	37.77228	27.34359	77.75635	1.47E-10	4.42E-08	9.76E-09	4.53E-14	1.37E-13	1.08E-13	0	0	0	0	7.333E-13	7.6122E-12	9.75941E-09	4.62909E-14	0	2.31053E-14	0
188	571190.55	4178118.99	0.55, 41781	0.76806	0.70549	0.46182	260.36357	120.74038	479.78233	32.90288	24.49294	68.54033	1.58E-10	4.01E-08	8.52E-09	4.87E-14	1.47E-13	1.16E-13	0	0	0	0	7.895E-13	6.9121E-12	8.52223E-09	4.98333E-14	0	2.48734E-14	0
189	571230.55	4178118.99	0.55, 41781	0.88147	0.74364	0.51839	250.38438	100.21062	435.42985	31.29805	22.32262	54.42873	1.69E-10	3.5E-08	7.83E-09	5.21E-14	1.57E-13	1.24E-13	0	0	0	0	8.437E-13	6.0259E-12	7.82729E-09	5.32574E-14	0	2.65825E-14	0
190	571270.55	4178118.99	0.55, 41781	0.94057	0.75526	0.59724	235.31349	80.57107	462.41399	29.41419	18.81416	57.80175	1.74E-10	3.17E-08	7.53E-09	5.37E-14	1.62E-13	1.28E-13	0	0	0	0	8.708E-13	5.4688E-12	7.5286E-09	5.49655E-14	0	2.7435E-14	0
191	571310.55	4178118.99	0.55, 41781	0.94266	0.74202	0.72716	211.76846	71.48368	401.12341	26.47106	15.9259	50.14043	1.75E-10	2.8E-08	6.73E-09	5.4E-14	1.63E-13	1.29E-13	0	0	0	0	8.756E-13	4.8218E-12	6.7266E-09	5.52727E-14	0	2.75884E-14	0
192	571350.55	4178118.99	0.55, 41781	0.90909	0.71255	0.85266	184.59351	57.17412	286.57244	23.07419	14.42847	35.82155	1.72E-10	2.18E-08	5.66E-09	5.32E-14	1.6E-13	1.27E-13	0	0	0	0	8.613E-13	3.7579E-12	5.65894E-09	5.43665E-14	0	2.71361E-14	0
193	571390.55	4178118.99	0.55, 41781	0.85308	0.67145	0.90336	182.88204	42.90716	275.98695	22.86025	12.27464	34.49837	1.65E-10	1.89E-08	5.58E-09	5.09E-14	1.54E-13	1.21E-13	0	0	0	0	8.242E-13	3.2512E-12	5.58076E-09	5.20248E-14	0	2.59672E-14	0
194	571430.55	4178118.99	0.55, 41781	0.78	0.62166	0.86624	169.0522	41.64549	252.50347	21.13153	11.39175	31.56293	1.53E-10	1.77E-08	5.15E-09	4.73E-14	1.43E-13	1.13E-13	0	0	0	0	7.659E-13	3.0567E-12	5.15027E-09	4.83471E-14	0	2.41316E-14	0
195	571470.55	4178118.99	0.55, 41781	0.69763	0.567	0.77646	144.82238	43.55007	199.26025	18.1028	10.0864	24.90753	1.39E-10	1.62E-08	4.36E-09	4.29E-14	1.3E-13	1.02E-13	0	0	0	0	6.954E-13	2.7924E-12	4.35681E-09	4.38944E-14	0	2.19091E-14	0
196	571510.55	4178118.99	0.55, 41781	0.61632	0.51188	0.67545	129.07456	44.20691	173.84445	16.93315	8.5721	21.73056	1.25E-10	1.53E-08	4.03E-09	3.85E-14	1.16E-13	9.17E-14	0	0	0	0	6.231E-13	2.6433E-12	4.03466E-09	3.933E-14	0	1.96309E-14	0
197	571550.55	4178118.99	0.55, 41781	0.53701	0.45659	0.57828	116.13448	43.6354	149.52645	16.99831	7.6971	20.20244	1.1E-10	1.43E-08	4.01E-09	3.4E-14	1.03E-13	8.11E-14	0	0	0	0	5.513E-13	2.4701E-12	4.00838E-09	3.48002E-14	0	1.73699E-14	0
198	571590.55	4178118.99	0.55, 41781	0.46599	0.40463	0.49394	103.06511	42.01095	133.93422	16.60125	6.75955	20.50745	9.7E-11	1.34E-08	3.93E-09	2.99E-14	9.04E-14	7.14E-14	0	0	0	0	4.851E-13	2.3021E-12	3.9349E-09	3.06234E-14	0	1.52851E-14	0
199	570310.55	4178158.99	0.55, 41781	0.10452	0.07557	0.10002	83.14681	27.07322	89.45551	10.39335	4.47805	11.18194	1.87E-11	9.03E-09	2.42E-09	5.77E-15	1.74E-14	1.38E-14	0	0	0	0	9.343E-14	1.5574E-12	2.42051E-09	5.89746E-15	0	2.94361E-15	0
200	570350.55	4178158.99	0.55, 41781	0.1156	0.08446	0.11071	83.51332	29.37807	93.62995	10.43917	4.89635	11.70374	2.08E-11	9.57E-09	2.44E-09	6.43E-15	1.94E-14	1.53E-14	0	0	0	0	1.042E-13	1.6506E-12	2.44343E-09	6.57446E-15	0	3.28152E-15	0
201	570390.55	4178158.99	0.55, 41781	0.12828	0.09489	0.12282	85.72091	31.44775	90.10823	10.71511	5.24129	11.26353	2.33E-11	9.91E-09	2.49E-09	7.2E-15	2.17E-14	1.72E-14	0	0	0	0	1.166E-13	1.7085E-12	2.48858E-09	7.36311E-15	0	3.67516E-15	0
202	570430.55	4178158.99	0.55, 41781	0.14269	0.1072	0.13639	94.53138	33.159	104.73347	11.81642	5.5265	13.09168	2.62E-11	1.08E-08	2.76E-09	8.1E-15	2.45E-14	1.93E-14	0	0	0	0	1.312E-13	1.8598E-12	2.76175E-09	8.28436E-15	0	4.13499E-15	0
203	570470.55	4178158.99	0.55, 41781	0.15906	0.12183	0.15182	91.68652	34.69147	109.10852	11.46082	5.78191	13.63857	2.97E-11	1.11E-08	2.7E-09	9.16E-15	2.77E-14	2.18E-14	0	0	0	0	1.484E-13	1.9178E-12	2.70304E-09	9.36858E-15	0	4.67616E-15	0
204	570510.55	4178158.99	0.55, 41781	0.17738	0.13933	0.16931	103.8828	36.49731	110.76271	12.98535	6.04456	13.84534	3.37E-11	1.18E-08	3.02E-09	1.04E-14	3.14E-14	2.48E-14	0	0	0	0	1.687E-13	2.0262E-12	3.02091E-09	1.06493E-14	0	5.31542E-15	0
205	570550.55	4178158.99	0.55, 41781	0.19733	0.16029	0.18927	106.21161	38.46337	121.82569	13.27645	6.62676	15.22821	3.85E-11	1.24E-08	3.12E-09	1.19E-14	3.59E-14	2.84E-14	0	0	0	0	1.927E-13	2.1465E-12	3.11644E-09	1.21621E-14	0	6.07052E-15	0
206	570590.55	4178158.99	0.55, 41781	0.21794	0.18524	0.21062	115.65264	40.48441	129.80552	14.45658	7.37316	16.22569	4.41E-11	1.32E-08	3.38E-09	1.36E-14	4.11E-14	3.25E-14	0	0	0	0	2.206E-13	2.2801E-12	3.38423E-09	1.39227E-14	0	6.94926E-15	0
207	570630.55	4178158.99	0.55, 41781	0.23707	0.21436	0.23118	118.44365	42.79741	144.28442	14.80546	8.08317	18.03555	5.04E-11	1.41E-08	3.5E-09	1.56E-14	4.7E-14	3.71E-14	0	0	0	0	2.52E-13	2.4283E-12	3.50268E-09	1.59096E-14	0	7.94097E-15	0
208	570670.55	4178158.99	0.55, 41781	0.25383	0.24795	0.24882	124.95922	45.84094	144.90734	15.6199	8.90031	18.11342	5.74E-11	1.48E-08	3.67E-09	1.77E-14	5.35E-14	4.22E-14	0	0	0	0	2.87E-13	2.5511E-12	3.67165E-09	1.81169E-14	0	9.04274E-15	0
209	570710.55	4178158.99	0.55, 41781	0.27135	0.28697	0.26135	131.25248	49.29697	162.49426	17.47805	10.6966	20.31178	6.53E-11	1.6E-08	4.11E-09	2.01E-14	6.08E-14	4.8E-14	0	0	0	0	3.264E-13	2.762E-12	4.10956E-09	2.06032E-14	0	1.02837E-14	0
210	570750.55	4178158.99	0.55, 41781	0.29528	0.33222	0.27619	146.48828	52.90094	155.94977	21.86848	12.23914	22.93785	7.45E-11	1.68E-08	5.08E-09	2.3E-14	6.94E-14	5.48E-14	0	0	0	0	3.725E-13	2.9018E-12	5.07765E-09	2.35126E-14	0	1.17359E-14	0
211	570790.55	4178158.99	0.55, 41781	0.33253	0.38536	0.30655	168.4296	63.37031	207.44804	22.18934	13.75991	31.3643	8.58E-11	2.05E-08	5.36E-09	2.65E-14	8E-14	6.32E-14	0	0	0	0	4.292E-13	3.5431E-12	5.36196E-09	2.70951E-14	0	1.3524E-14	0
212	570830.55	4178158.99	0.55, 41781	0.39122	0.44987	0.34708	226.40986	70.88867	244.94075	28.30123	15.58224	30.61759	1E-10	2.41E-08	6.6E-09	3.09E-14	9.32E-14	7.36E-14	0	0	0	0	5E-13	4.157E-12	6.59546E-09	3.15624E-14	0	1.57538E-14	0
213	570870.55	4178158.99	0.55, 41781	0.48272	0.53035	0.408	262.06298	76.1106	293.39264	32.75787	17.58972	36.67408	1.18E-10	2.71E-08	7.67E-09	3.65E-14	1.1E-13	8.71E-14	0	0	0	0	5.915E-13	4.667E-12	7.66608E-09	3.73401E-14	0	1.86376E-14	0
214	570910.55	4178158.99	0.55, 41781	0.61652	0.63133	0.50366	261.24493	84.17228	335.42472	32.65562	20.33398	41.92809	1.42E-10	2.96E-08	7.78E-09	4.39E-14	1.32E-13	1.05E-13	0	0	0	0	7.108E-13	5.1081E-12	7.78138E-09	4.48711E-14	0	2.23966E-14	0
215	570950.55	4178158.99	0.55, 41781	0.78722	0.75662	0.63069	286.12528	93.97029	373.71712	38.09436	25.30252	46.71464	1.72E-10	3.29E-08	9.02E-09	5.31E-14	1.6E-13	1.27E-13	0	0	0	0	8.604E-13	5.6796E-12	9.02039E-09	5.43142E-14	0	2.711E-14	0
216	570990.55	4178158.99	0.55, 41781	0.95557	0.89576	0.74297	303.7283	113.02353	445.40224	49.39935	30.83627	55.67528	2.04E-10	3.87E-08	1.16E-08	6.3E-14	1.9E-13	1.5E-13	0	0	0	0	1.021E-12	6.6683E-12	1.15702E-08	6.44266E-14	0	3.21574E-14	0
217	571030.55	4178158.99	0.55, 41781	1.0701	1.00768	0.7637	365.27865	135.92516	512.48146	63.89384	29.33742	70.31034	2.28E-10	4.59E-08	1.49E-08	7.03E-14	2.12E-13	1.68E-13	0	0	0	0	1.138E-12	7.9159E-12	1.49209E-08	7.18543E-14	0	3.58648E-14	0
218	571070.55	4178158.99	0.55, 41781	1.06935	1.07923	0.71312	382.13438	155.20031	662.82772	54.74849	37.25068	94.68967	2.4E-10	5.37E-08	1.37E-08	7.39E-14	2.23E-13	1.76E-13	0	0	0	0	1.198E-12	9.2608E-12	1.36785E-08	7.55959E-14	0	3.77324E-14	0
219	571110.55	4178158.99	0.55, 41781	1.19831	1.16386	0.6846	373.85472	174.62021	736.75515	53.40782	39.37776	93.09067	2.57E-10	5.9E-08	1.34E-08	7.93E-14	2.39E-13	1.89E-13	0	0	0	0	1.285E-12	1.0179E-11	1.33622E-08	8.11281E-14	0	4.04936E-14	0
220	571150.55	4178158.99	0.55, 41781	1.53671	1.26322	0.72724	331.2731	149.81574	693.97089	50.26616	34.67292	96.78528	2.83E-10	5.25E-08	1.28E-08	8.75E-14	2.64E-13	2.09E-13	0	0	0	0	1.417E-12	9.047E-12	1.2814E-08	8.94708E-14	0	4.46577E-14	0
221	571190.55	4178158.99	0.55, 41781	1.71324	1.27647	0.80447	303.51531	125.05743	565.89383	43.45807	29.97586	80.84198	2.92E-10	4.4E-08	1.1E-08	9E-14	2.72E-13	2.15E-13	0	0	0	0	1.458E-12	7.5886E-12	1.1005E-08	9.20294E-14	0	4.59348E-14	0
222	571230.55	4178158.99	0.55, 41781	1.67997	1.21931	0.99011	277.00255	96.22407	622.39581	36.53844	24.95569	77.79948	2.85E-10	3.96E-08	9.51E-09	8.8E-14	2.66E-13	2.1E-13	0	0	0	0	1.426E-12	6.8305E-12	9.50761E-09	9.00072E-14	0	4.49255E-14	0
223	571270.55	4178158.99	0.55, 41781	1.56347	1.13234	1.265	251.98402	83.18585	536.39129	31.498	20.71301	67.04891	2.74E-10	3.45E-08	8.2E-09	8.45E-14	2.55E-13	2.02E-13	0	0	0	0	1.369E-12	5.9423E-12	8.19557E-09	8.64371E-14	0	4.31435E-14	0
224	571310.55	4178158.99	0.55, 41781	1.42012	1.03692	1.45126	223.09845	65.85457	360.16353	27.88731	18.21453	45.02044	2.58E-10	2.61E-08	6.88E-09	7.97E-14	2.41E-13	1.9E-13	0	0	0	0	1.291E-12	4.5004E-12	6.88413E-09	8.14744E-14	0	4.06665E-14	0
225	571350.55	4178158.99	0.55, 41781	1.26306	0.93714	1.42084	212.7442	53.05659	355.96566	26.59303	15.01468	44.49571	2.36E-10	2.34E-08	6.61E-09	7.27E-14	2.2E-13	1.73E-13	0	0	0	0	1.179E-12	4.0381E-12	6.60521E-09	7.43948E-14	0	3.71328E-14	0
226	571390.55	4178158.99	0.55, 41781	1.10199	0.83709	1.24864	185.92823	54.01949	274.01244	23.24103	13.29114	34.25155	2.09E-10	2.09E-08	5.65E-09	6.46E-14	1.95E-13	1.54E-13	0	0	0	0	1.047E-12	3.6063E-12	5.65242E-09	6.61128E-14	0	3.2999E-14	0
227	571430.55	4178158.99	0.55, 41781	0.9418	0.73869	1.04204	159.26436	53.60229	222.79179	21.61583	11.2268	27.84897	1.83E-10	1.9E-08	5.15E-09	5.64E-14	1.7E-13	1.34E-13	0	0	0	0	9.133E-13	3.2686E-12	5.15323E-09	5.76508E-14	0	2.87754E-14	0
228	571470.55	4178158.99	0.55, 41781	0.79447	0.64516	0.85663	139.92539	51.85557	187.30754	21.06215	9.90602	27.91527	1.58E-10	1.73E-08	5.04E-09	4.86E-14	1.47E-13	1.16E-13	0	0	0	0	7.878E-13	2.9853E-12	5.04145E-09	4.97297E-14	0	2.48217E-14	0
229	571510.55	4178158.99	0.55, 41781	0.67282	0.56206	0.7111	120.25585	49.92459	159.61818	19.96311	8.50885	26.60303	1.36E-10	1.58E-08	4.78E-09	4.2E-14	1.27E-13	1E-13	0	0	0	0	6.798E-13	2.7298E-12	4.78213E-09	4.29097E-14	0	2.14176E-14	0
230	571550.55	4178158.99	0.55, 41781	0.57423	0.48972	0.59807	110.64777	47.57404	144.95635	18.4413	7.31081	24.15939	1.18E-10	1.48E-08	4.41E-09	3.63E-14	1.1E-13	8.66E-14	0	0	0	0	5.883E-13	2.5552E-12	4.4068E-09	3.71324E-14	0	1.8534E-14	0
231	571590.55	4178158.99	0.55, 41781	0.49292	0.42713	0.50772	100.4908	44.5532	128.72625	16.74847	6.44552	21.45437	1.02E-10	1.36E-08	3.99E-09	3.15E-14	9.51E-14	7.51E-14	0	0	0	0	5.104E-13	2.3503E-12	3.98964E-09	3.22209E-14	0	1.60825E-14	0
232	570310.55	4178198.99	0.55, 41781	0.10691	0.07648	0.10208	81.28791	24.55019	79.664	10.16099	3.94128	9.958	1.9E-11	8.28E-09	2.34E-09	5.85E-15	1.77E-14	1.4E-14	0	0	0	0	9.478E-14	1.4268E-12	2.34113E-09	5.98288E-15	0	2.98625E-15	0
233	570350.55	4178198.99	0.55, 41781	0.11881	0.08587	0.11329	92.41038	27.80697	96.15133	11.5513	4.55912	12.01892	2.12E-11	9.53E-09	2.68E-09	6.55E-15	1.98E-14	1.56E-14	0	0	0	0	1.061E-13	1.6438E-12	2.67958E-09	6.69859E-15	0	3.34348E-15	0
234	570390.55	4178198.99	0.55, 41781	0.13286	0.09703	0.12666	98.9418	30.67703	108.4605	12.36772	5.11284	13.55756	2.39E-11	1.05E-08	2.89E-09	7.38E-15	2.23E-14	1.76E-14	0	0	0	0	1.196E-13	1.8134E-12	2.88684E-09	7.54897E-15	0	3.76793E-15	0
235	570430.55	4178198.99	0.55, 41781	0.14935	0.11037	0.14231	98.24021	33.47488	112.67373	12.28003	5.57915	14.08422	2.71E-11	1.11E-08	2.88E-09	8.37E-15	2.53E-14	2E-14	0	0	0	0	1.356E-13	1.9186E-12	2.88252E-09	8.56077E-15	0	4.27295E-15	0
236	570470.55	4178198.99	0.55, 41781	0.1686	0.12646	0.16043	107.25905	35.76824	115.05444	13.40738	5.96137	14.38181	3.1E-11	1.18E-08	3.12E-09	9.55E-15	2.88E-14	2.28E-14	0	0	0	0	1.548E-13	2.0343E-12	3.12133E-09	9.77076E-15	0	4.8769E-15	0
237	570510.55	4178198.99	0.55, 41781	0.19081	0.14598	0.18108	111.923	37.71142	131.96286	13.99038	6.28524	16.49536	3.56E-11	1.27E-08	3.3E-09	1.1E-14	3.31E-14	2.62E-14	0	0	0	0	1.778E-13	2.1884E-12	3.29565E-09	1.12203E-14	0	5.60041E-15	0
238	570550.55	4178198.99	0.55, 41781	0.21602	0.16987	0.20494	119.57772	40.00549	129.21029	14.94721	6.67621	16.15129	4.11E-11	1.32E-08	3.48E-09	1.27E-14	3.83E-14	3.02E-14	0	0	0	0	2.055E-13	2.2763E-12	3.48287E-09	1.29699E-14	0	6.47367E-15	0
239	570590.55	4178198.99	0.55, 41781	0.24388	0.19917	0.2325	124.08345	42.52786	147.10165	15.51043	7.78928	18.38771	4.78E-11	1.42E-08	3.66E-09	1.47E-14	4.45E-14	3.52E-14	0	0	0	0	2.389E-13	2.4525E-12	3.65632E-09	1.50817E-14	0	7.52774E-15	0
240	570630.55	4178198.99	0.55, 41781	0.27242	0.23473	0.26214	135.79301	45.13025	156.31523	16.97413	8.73982	19.5394	5.57E-11	1.52E-08	3.99E-09	1.72E-14	5.19E-14	4.1E-14	0	0	0	0	2.785E-13	2.6183E-12	3.98623E-09	1.75789E-14	0	8.77422E-15	0
241	570670.55	4178198.99	0.55, 41781	0.29828	0.27729	0.29064	136.89517	48.04336	174.48935	17.44831	9.65486	21.81117	6.48E-11	1.62E-08	4.14E-09	2E-14	6.04E-14	4.77E-14	0	0	0	0	3.241E-13	2.796E-12	4.14235E-09	2.04564E-14	0	1.02104E-14	0
242	570710.55	4178198.99	0.55, 41781	0.321	0.32818	0.31291	151.98197	52.23375	185.24815	19.68934	11.4382	23.15602	7.52E-11	1.76E-08	4.64E-09	2.32E-14	7.01E-14	5.54E-14	0	0	0	0	3.762E-13	3.0312E-12	4.63661E-09	2.37467E-14	0	1.18527E-14	0
243	570750.55	4178198.99	0.55, 41781	0.34558	0.38955	0.32771	144.14265	57.26085	196.68908	22.53194	13.53855	24.58613	8.74E-11	1.86E-08	5.26E-09	2.7E-14	8.15E-14	6.44E-14	0	0	0	0	4.372E-13	3.214E-12	5.2564E-09	2.75974E-14	0	1.37747E-14	0
244	570790.55	4178198.99	0.55, 41781	0.38143	0.46429	0.35275	173.32889	66.95506	241.81218	25.57778	15.36352	36.58263	1.03E-10	2.22E-08	6.19E-09	3.17E-14	9.56E-14	7.55E-14	0	0	0	0	5.13E-13	3.8281E-12	6.19188E-09	3.23832E-14	0	1.61635E-14	0
245	570830.55	4178198.99	0.55, 41781	0.44289	0.55991	0.39405	200.31972	78.9407	262.23048	28.47462	17.66262	37.4615	1.23E-10	2.55E-08	6.81E-09	3.78E-14	1.14E-13	9.02E-14	0	0	0	0	6.128E-13	4.3967E-12	6.80849E-09	3.8684E-14	0	1.93084E-14	0
246	570870.55	4178198.99	0.55, 41781	0.55133	0.6879	0.45528	245.75399	83.68372	263.19795	34.28137	20.83884	36.18743	1.5E-10	2.73E-08	7.97E-09	4.63E-14	1.4E-13	1.1E-13	0	0	0	0	7.499E-13	4.7142E-12	7.96576E-09	4.73378E-14	0	2.36278E-14	0
247	570910.55	4178198.99	0.55, 41781	0.74216	0.86472	0.57468	353.61381	98.21675	387.24795	44.20173	24.01316	48.40599	1.9E-10	3.55E-08	1.03E-08	5.85E-14	1.77E-13	1.4E-13	0	0	0	0	9.481E-13	6.1164E-12	1.03162E-08	5.98466E-14	0	2.98714E-14	0
248	570950.55	4178198.99	0.55, 41781	1.08517	1.1274	0.77671	376.11466	111.85514	479.74888	52.74149	29.33795	59.96861	2.5E-10	4.09E-08	1.24E-08	7.73E-14	2.33E-13	1.84E-13	0	0	0	0	1.252E-12	7.0437E-12	1.23666E-08	7.90211E-14	0	3.9442E-14	0
249	570990.55	4178198.99	0.55, 41781	1.58976	1.56693	1.05873	410.19015	135.68135	559.12982	68.60008	44.06737	76.18548	3.49E-10	4.8E-08	1.6E-08	1.08E-13	3.25E-13	2.57E-13	0	0	0	0	1.746E-12	8.2774E-12	1.6038E-08	1.10192E-13	0	5.50004E-14	0
250	571030.55	4178198.99	0.55, 41781	2.42958	2.27373	1.377	561.74649	191.25505	728.04918	107.05418	55.40677	100.45619	5.05E-10	6.58E-08	2.46E-08	1.56E-13	4.71E-13	3.72E-13	0	0	0	0	2.525E-12	1.134E-11	2.45501E-08	1.59396E-13	0	7.95599E-14	0
251	571070.55	4178198.99	0.55, 41781	3.58306	3.18041	1.39903	721.18769	259.71405	966.70756	139.44796	73.67892	146.94766	6.97E-10	8.79E-08	3.24E-08	2.15E-13	6.49E-13	5.13E-13	0	0	0	0	3.483E-12	1.5152E-11	3.23961E-08	2.19853E-13	0	1.09736E-13	0
252	571110.55	4178198.99	0.55, 41781	5.26167	3.22788	1.2956	536.30163	206.72583	1199.13306	116.57539	57.94295	153.9862	7.37E-10	8.03E-08	2.79E-08	2.28E-13	6.87E-13	5.43E-13	0	0	0	0	3.687E-12	1.3847E-11	2.78901E-08	2.32759E-13	0	1.16177E-13	0
253	571150.55	4178198.99	0.55, 41781	4.55265	2.7214	1.43074	406.82024	165.14744	1078.46551	75.27018	43.84452	138.95995	6.33E-10	6.68E-08	1.9E-08	1.95E-13	5.9E-13	4.66E-13	0	0	0	0	3.165E-12	1.1524E-11	1.90333E-08	1.9977E-13	0	9.97118E-14	0
254	571190.55	4178198.99	0.55, 41781	3.6655	2.27193	1.9191	348.88414	129.45816	921.59929	55.11772	35.12171	118.18584	5.44E-10	5.5E-08	1.44E-08	1.68E-13	5.07E-13	4.01E-13	0	0	0	0	2.722E-12	9.4812E-12	1.43635E-08	1.71822E-13	0	8.57619E-14	0
255	571230.55	4178198.99	0.55, 41781	2.99647	1.91661	2.63905	311.11499	100.77545	780.81724	44.29874	28.05958	97.60216	4.84E-10	4.53E-08	1.16E-08	1.49E-13	4.51E-13	3.56E-13	0	0	0	0	2.419E-12	7.8055E-12	1.16119E-08	1.52672E-13	0	7.62037E-14	0
256	571270.55	4178198.99	0.55, 41781	2.48655	1.63354	2.7833	275.28639	78.6156	563.64868	36.03295	23.70769	70.45609	4.25E-10	3.48E-08	9.21E-09	1.31E-13	3.96E-13	3.13E-13	0	0	0	0	2.124E-12	6.0023E-12	9.21355E-09	1.34054E-13	0	6.69105E-14	0
257	571310.55	4178198.99	0.55, 41781	2.04979	1.39182	2.36332	251.65063	69.80646	418.93362	31.45633	18.505	52.3667	3.6E-10	2.89E-08	7.81E-09	1.11E-13	3.36E-13	2.65E-13	0	0	0	0	1.801E-12	4.9909E-12	7.80626E-09	1.137E-13	0	5.67515E-14	0
258	571350.55	4178198.99	0.55, 41781	1.66907	1.18291	1.84305	207.71058	67.17721	304.96385	28.41822	15.5683	43.42728	3E-10	2.46E-08	6.95E-09	9.27E-14	2.8E-13	2.21E-13	0	0	0	0	1.502E-12	4.2406E-12	6.95165E-09	9.48007E-14	0	4.73181E-14	0
259	571390.55	4178198.99	0.55, 41781	1.33874	0.99933	1.42084	175.53523	63.93291	243.3206	26.80029	13.20173	40.55343	2.49E-10	2.17E-08	6.55E-09	7.68E-14	2.32E-13	1.83E-13	0	0	0	0	1.244E-12	3.7468E-12	6.54546E-09	7.85067E-14	0	3.91852E-14	0
260	571430.55	4178198.99	0.55, 41781	1.08215	0.84466	1.12094	146.49279	60.30749	207.71024	24.41546	11.02968	34.61837	2.07E-10	1.95E-08	5.9E-09	6.39E-14	1.93E-13	1.52E-13	0	0	0	0	1.036E-12	3.3685E-12	5.90268E-09	6.53778E-14	0	3.26321E-14	0

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	0	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	0	10	2	70	0.85
2<9	861	1	0.854795	0.000001	0	3	0.55	70	0.72
Student	640	1	0.493151	0.000001	0	3	2.8	70	1
Worker	230	1	0.684932	0.000001	0	1	2.8	70	1

Phenol

	Chronic (Annu	Acute (1hr)	8hr
REL:	200	5800	1

261	571470.55	4178198.99	0.55, 41781	0.88511	0.71494	0.90372	129.54701	55.96987	172.11269	21.59117	9.33698	28.68545	1.74E-10	1.75E-08	5.17E-09	5.35E-14	1.62E-13	1.28E-13	0	0	0	0	8.676E-13	3.0109E-12	5.16986E-09	5.47664E-14	0	2.73357E-14	0
262	571510.55	4178198.99	0.55, 41781	0.73336	0.60746	0.74181	112.64977	51.14316	142.69265	18.77496	8.40942	23.78211	1.46E-10	1.55E-08	4.47E-09	4.52E-14	1.36E-13	1.08E-13	0	0	0	0	7.319E-13	2.6656E-12	4.46541E-09	4.61975E-14	0	2.30587E-14	0
263	571550.55	4178198.99	0.55, 41781	0.6189	0.52125	0.62191	97.68282	46.08498	120.36205	16.28047	7.59304	20.06034	1.25E-10	1.36E-08	3.86E-09	3.86E-14	1.16E-13	9.2E-14	0	0	0	0	6.25E-13	2.3515E-12	3.85755E-09	3.94535E-14	0	1.96925E-14	0
264	571590.55	4178198.99	0.55, 41781	0.52714	0.45016	0.52751	84.87826	41.93857	102.67653	14.14638	6.8553	17.11275	1.08E-10	1.22E-08	3.34E-09	3.32E-14	1E-13	7.92E-14	0	0	0	0	5.378E-13	2.0949E-12	3.34364E-09	3.39462E-14	0	1.69436E-14	0
265	570310.55	4178238.99	0.55, 41782	0.10871	0.07725	0.10419	69.36135	22.19632	77.30253	9.49069	3.20395	10.55794	1.92E-11	7.53E-09	2.22E-09	5.92E-15	1.79E-14	1.41E-14	0	0	0	0	9.595E-14	1.2988E-12	2.21929E-09	6.05672E-15	0	3.0231E-15	0
266	570350.55	4178238.99	0.55, 41782	0.12097	0.08699	0.11543	80.24676	23.95533	77.73127	10.03084	3.79637	10.6184	2.15E-11	8.09E-09	2.33E-09	6.64E-15	2.01E-14	1.58E-14	0	0	0	0	1.077E-13	1.3956E-12	2.33158E-09	6.79538E-15	0	3.39179E-15	0
267	570390.55	4178238.99	0.55, 41782	0.13576	0.09875	0.129	97.68381	28.15369	96.07123	12.21048	4.56788	12.0089	2.44E-11	9.71E-09	2.81E-09	7.52E-15	2.27E-14	1.79E-14	0	0	0	0	1.218E-13	1.6733E-12	2.81444E-09	7.68713E-15	0	3.83689E-15	0
268	570430.55	4178238.99	0.55, 41782	0.15369	0.11303	0.14573	112.57412	32.01468	119.02369	14.07177	5.30028	14.87796	2.78E-11	1.13E-08	3.27E-09	8.58E-15	2.59E-14	2.05E-14	0	0	0	0	1.39E-13	1.9519E-12	3.27039E-09	8.77186E-15	0	4.37831E-15	0
269	570470.55	4178238.99	0.55, 41782	0.17542	0.1305	0.16624	120.86213	35.6675	135.90431	15.10777	5.94458	16.98804	3.2E-11	1.26E-08	3.54E-09	9.87E-15	2.98E-14	2.35E-14	0	0	0	0	1.6E-13	2.173E-12	3.53748E-09	1.00979E-14	0	5.04018E-15	0
270	570510.55	4178238.99	0.55, 41782	0.20166	0.15208	0.19089	118.29832	38.86505	139.27939	14.78729	6.47751	17.40992	3.72E-11	1.32E-08	3.48E-09	1.15E-14	3.46E-14	2.73E-14	0	0	0	0	1.858E-13	2.2805E-12	3.48273E-09	1.17264E-14	0	5.853E-15	0
271	570550.55	4178238.99	0.55, 41782	0.23297	0.17899	0.21994	134.82021	41.51275	155.81716	16.85253	6.91879	19.47714	4.35E-11	1.45E-08	3.96E-09	1.34E-14	4.05E-14	3.2E-14	0	0	0	0	2.176E-13	2.4977E-12	3.95969E-09	1.3734E-14	0	6.85506E-15	0
272	570590.55	4178238.99	0.55, 41782	0.26933	0.21289	0.25402	138.182	44.61865	161.93184	17.27275	7.89914	20.24148	5.14E-11	1.53E-08	4.07E-09	1.59E-14	4.79E-14	3.78E-14	0	0	0	0	2.57E-13	2.6357E-12	4.06565E-09	1.62223E-14	0	8.09705E-15	0
273	570630.55	4178238.99	0.55, 41782	0.31001	0.25571	0.29378	151.57706	47.88426	180.12829	18.94713	9.37801	22.51604	6.12E-11	1.66E-08	4.47E-09	1.89E-14	5.7E-14	4.5E-14	0	0	0	0	3.058E-13	2.8687E-12	4.46787E-09	1.93041E-14	0	9.63527E-15	0
274	570670.55	4178238.99	0.55, 41782	0.35129	0.30919	0.33746	163.01094	51.1286	193.67566	20.37637	10.66356	24.20946	7.3E-11	1.78E-08	4.8E-09	2.25E-14	6.8E-14	5.37E-14	0	0	0	0	3.65E-13	3.0732E-12	4.80476E-09	2.30417E-14	0	1.15009E-14	0
275	570710.55	4178238.99	0.55, 41782	0.3879	0.37553	0.37852	161.77129	55.27243	215.9147	21.46966	11.91574	26.98934	8.71E-11	1.91E-08	5.1E-09	2.69E-14	8.11E-14	6.41E-14	0	0	0	0	4.353E-13	3.2999E-12	5.10097E-09	2.74752E-14	0	1.37137E-14	0
276	570750.55	4178238.99	0.55, 41782	0.41955	0.45853	0.40652	185.09687	61.2613	243.75059	24.33831	15.0229	31.56234	1.04E-10	2.14E-08	5.81E-09	3.2E-14	9.66E-14	7.63E-14	0	0	0	0	5.186E-13	3.698E-12	5.80761E-09	3.2738E-14	0	1.63406E-14	0
277	570790.55	4178238.99	0.55, 41782	0.45531	0.56517	0.42739	195.76674	71.16962	229.68596	30.0466	17.67317	35.54387	1.25E-10	2.31E-08	7.08E-09	3.85E-14	1.16E-13	9.17E-14	0	0	0	0	6.233E-13	3.9881E-12	7.08099E-09	3.9344E-14	0	1.96379E-14	0
278	570830.55	4178238.99	0.55, 41782	0.51729	0.70869	0.46924	186.14136	86.93814	313.42291	30.32646	20.0795	44.72862	1.53E-10	2.8E-08	7.38E-09	4.74E-14	1.43E-13	1.13E-13	0	0	0	0	7.674E-13	4.8289E-12	7.37656E-09	4.8438E-14	0	2.4177E-14	0
279	570870.55	4178238.99	0.55, 41782	0.63421	0.91745	0.53024	225.98347	96.3139	311.28977	37.66391	24.81387	41.34654	1.96E-10	3.05E-08	8.79E-09	6.05E-14	1.83E-13	1.44E-13	0	0	0	0	9.797E-13	5.2598E-12	8.79294E-09	6.18422E-14	0	3.08674E-14	0
280	570910.55	4178238.99	0.55, 41782	0.85302	1.23442	0.65693	293.13359	117.47886	326.7744	47.06613	30.6738	48.00957	2.62E-10	3.62E-08	1.09E-08	8.09E-14	2.44E-13	1.93E-13	0	0	0	0	1.311E-12	6.2415E-12	1.08931E-08	8.27436E-14	0	4.13E-14	0
281	570950.55	4178238.99	0.55, 41782	1.35023	1.79208	0.88884	455.80102	142.22416	478.03953	68.40553	39.86266	68.50221	3.81E-10	4.81E-08	1.58E-08	1.18E-13	3.55E-13	2.81E-13	0	0	0	0	1.906E-12	8.2858E-12	1.57989E-08	1.20325E-13	0	6.00582E-14	0
282	570990.55	4178238.99	0.55, 41782	3.0182	3.06414	1.32054	885.93977	193.04223	771.54657	147.1874	58.20401	96.44332	6.61E-10	7.4E-08	3.27E-08	2.04E-13	6.16E-13	4.87E-13	0	0	0	0	3.307E-12	1.2751E-11	3.26728E-08	2.08751E-13	0	1.04194E-13	0
283	571030.55	4178238.99	0.55, 41782	7.70332	4.46365	2.30139	679.65913	243.63294	1123.21669	144.28562	71.78775	156.8655	1.04E-09	8.81E-08	3.36E-08	3.22E-13	9.71E-13	7.67E-13	0	0	0	0	5.209E-12	1.5193E-11	3.3645E-08	3.28839E-13	0	1.64134E-13	0
284	571110.55	4178238.99	0.55, 41782	48.37684	13.76668	3.52906	1082.14109	288.2044	2417.61379	441.33003	115.9324	328.07057	3.63E-09	1.38E-07	9.9E-08	1.12E-12	3.38E-12	2.67E-12	0	0	0	0	1.816E-11	2.3836E-11	9.89756E-08	1.14619E-12	0	5.72101E-13	0
285	571150.55	4178238.99	0.55, 41782	14.38318	6.22649	4.84511	550.93904	192.81003	1871.63269	147.46183	59.89562	339.77194	1.57E-09	9.55E-08	3.9E-08	4.85E-13	1.46E-12	1.16E-12	0	0	0	0	7.856E-12	1.6464E-11	3.90396E-08	4.95909E-13	0	2.47524E-13	0
286	571190.55	4178238.99	0.55, 41782	8.08563	4.10425	7.76231	423.01159	138.20819	1326.9025	88.76631	43.45879	203.98194	1.13E-09	6.87E-08	2.35E-08	3.47E-13	1.05E-12	8.28E-13	0	0	0	0	5.626E-12	1.1837E-11	2.34861E-08	3.55143E-13	0	1.77263E-13	0
287	571230.55	4178238.99	0.55, 41782	5.48613	3.01374	6.36519	364.79857	99.98669	820.37732	64.1708	32.88659	114.5851	8.34E-10	4.73E-08	1.61E-08	2.57E-13	7.77E-13	6.14E-13	0	0	0	0	4.171E-12	8.1493E-12	1.61259E-08	2.63272E-13	0	1.31408E-13	0
288	571270.55	4178238.99	0.55, 41782	3.91656	2.30583	4.21608	308.69657	91.16262	501.73471	42.97299	25.31404	83.35946	6.15E-10	3.62E-08	1.1E-08	1.9E-13	5.73E-13	4.53E-13	0	0	0	0	3.077E-12	6.2436E-12	1.09708E-08	1.94239E-13	0	9.69508E-14	0
289	571310.55	4178238.99	0.55, 41782	2.81911	1.80691	2.86031	238.76095	82.99282	368.88984	36.57222	19.65898	61.48164	4.66E-10	2.98E-08	9.09E-09	1.44E-13	4.34E-13	3.43E-13	0	0	0	0	2.328E-12	5.1399E-12	9.09134E-09	1.46943E-13	0	7.3344E-14	0
290	571350.55	4178238.99	0.55, 41782	2.07392	1.43877	2.07081	186.98174	75.01218	257.12826	31.16362	15.62493	42.85471	3.62E-10	2.44E-08	7.5E-09	1.12E-13	3.37E-13	2.66E-13	0	0	0	0	1.809E-12	4.2014E-12	7.49957E-09	1.14194E-13	0	5.6998E-14	0
291	571390.55	4178238.99	0.55, 41782	1.57003	1.1589	1.56847	153.36435	67.14235	200.39228	25.56072	13.28221	31.13336	2.87E-10	2.07E-08	6.05E-09	8.85E-14	2.67E-13	2.11E-13	0	0	0	0	1.434E-12	3.5775E-12	6.04706E-09	9.05085E-14	0	4.51757E-14	0
292	571430.55	4178238.99	0.55, 41782	1.23548	0.94866	1.2378	124.99719	59.46648	164.5542	20.83286	11.6734	24.18073	2.33E-10	1.78E-08	4.9E-09	7.17E-14	2.17E-13	1.71E-13	0	0	0	0	1.163E-12	3.0719E-12	4.89759E-09	7.33859E-14	0	3.66292E-14	0
293	571470.55	4178238.99	0.55, 41782	0.99131	0.7845	0.9961	109.3041	54.21436	142.14876	17.2339	10.26711	19.9293	1.91E-10	1.59E-08	4.05E-09	5.89E-14	1.78E-13	1.41E-13	0	0	0	0	9.547E-13	2.7488E-12	4.04959E-09	6.02628E-14	0	3.00791E-14	0
294	571510.55	4178238.99	0.55, 41782	0.81688	0.65976	0.82266	100.30585	50.40167	129.05875	14.55844	9.03737	16.96469	1.6E-10	1.47E-08	3.42E-09	4.93E-14	1.49E-13	1.18E-13	0	0	0	0	7.992E-13	2.5369E-12	3.42427E-09	5.04474E-14	0	2.51799E-14	0
295	571550.55	4178238.99	0.55, 41782	0.68618	0.56281	0.69258	92.19218	46.80105	116.817	12.52836	7.96128	14.60636	1.36E-10	1.36E-08	2.95E-09	4.19E-14	1.27E-13	1E-13	0	0	0	0	6.795E-13	2.3388E-12	2.94697E-09	4.28892E-14	0	2.14074E-14	0
296	571590.55	4178238.99	0.55, 41782	0.57854	0.48285	0.58537	84.94405	43.3686	105.85184	10.89629	7.01254	13.23148	1.16E-10	1.25E-08	2.58E-09	3.58E-14	1.08E-13	8.55E-14	0	0	0	0	5.807E-13	2.1548E-12	2.57676E-09	3.66572E-14	0	1.82968E-14	0
297	570310.55	4178278.99	0.55, 41782	0.11004	0.07807	0.10589	74.04292	22.79319	77.67346	10.17864	3.64675	10.70288	1.94E-11	7.75E-09	2.36E-09	5.99E-15	1.81E-14	1.43E-14	0	0	0	0	9.706E-14	1.3362E-12	2.36407E-09	6.12702E-15	0	3.05819E-15	0
298	570350.55	4178278.99	0.55, 41782	0.12249	0.08802	0.11726	80.9847	23.74961	88.18196	11.08549	3.81596	12.05595	2.18E-11	8.34E-09	2.59E-09	6.73E-15	2.03E-14	1.6E-14	0	0	0	0	1.09E-13	1.4384E-12	2.58505E-09	6.8802E-15	0	3.43413E-15	0
299	570390.55	4178278.99	0.55, 41782	0.13757	0.10016	0.13084	86.03589	24.80698	96.47388	11.74551	4.00404	13.13274	2.47E-11	8.86E-09	2.75E-09	7.62E-15	2.3E-14	1.82E-14	0	0	0	0	1.235E-13	1.5271E-12	2.74828E-09	7.79604E-15	0	3.89125E-15	0
300	570430.55	4178278.99	0.55, 41782	0.15607	0.11514	0.14747	96.31741	27.84204	100.58043	12.03968	4.46456	13.6645	2.83E-11	9.74E-09	2.82E-09	8.73E-15	2.63E-14	2.08E-14	0	0	0	0	1.414E-13	1.6787E-12	2.82237E-09	8.92438E-15	0	4.45444E-15	0
301	570470.55	4178278.99	0.55, 41782	0.17907	0.13378	0.16835	120.52086	33.01708	119.41006	15.06511	5.41696	14.92626	3.27E-11	1.17E-08	3.48E-09	1.01E-14	3.05E-14	2.41E-14	0	0	0	0	1.636E-13	2.0139E-12	3.47527E-09	1.03298E-14	0	5.15593E-15	0
302	570510.55	4178278.99	0.55, 41782	0.20795	0.15724	0.19497	141.57577	37.85068	153.41811	17.69697	6.30845	19.17726	3.83E-11	1.39E-08	4.13E-09	1.18E-14	3.57E-14	2.82E-14	0	0	0	0	1.917E-13	2.3948E-12	4.12501E-09	1.2101E-14	0	6.03999E-15	0
303	570550.55	4178278.99	0.55, 41782	0.24435	0.18714	0.22876	153.17347	42.50173	177.88461	19.14668	7.08362	22.23558	4.55E-11	1.56E-08	4.5E-09	1.4E-14	4.24E-14	3.35E-14	0	0	0	0	2.274E-13	2.6934E-12	4.5015E-09	1.43546E-14	0	7.16483E-15	0
304	570590.55	4178278.99	0.55, 41782	0.28993	0.22577	0.27077	157.86485	46.41285	177.78268	19.73311	7.73548	22.22284	5.46E-11	1.64E-08	4.62E-09	1.69E-14	5.09E-14	4.02E-14	0	0	0	0	2.732E-13	2.834E-12	4.62138E-09	1.72432E-14	0	8.60665E-15	0
305	570630.55	4178278.99	0.55, 41782	0.34541	0.27631	0.32199	169.89337	50.77009	212.69617	21.23667	9.57894	26.58702	6.64E-11	1.84E-08	5.04E-09	2.05E-14	6.19E-14	4.89E-14	0	0	0	0	3.321E-13	3.1715E-12	5.04278E-09	2.09646E-14	0	1.04641E-14	0
306	570670.55	4178278.99	0.55, 41782	0.40869	0.34273	0.38328	189.16159	55.36754	226.13934	23.6452	11.64813	28.26742	8.16E-11	2E-08	5.58E-09	2.52E-14	7.6E-14	6E-14	0	0	0	0	4.078E-13	3.4466E-12	5.58008E-09	2.5743E-14	0	1.28491E-14	0
307	570710.55	4178278.99	0.55, 41782	0.47241	0.42944	0.45188	202.37611	59.97812	249.97635	25.29701	13.4468	31.24704	1.01E-10	2.17E-08	6E-09	3.11E-14	9.38E-14	7.41E-14	0	0	0	0	5.032E-13	3.7469E-12	5.99595E-09	3.17639E-14	0	1.58544E-14	0
308	570750.55	4178278.99	0.55, 41782	0.52143	0.53099	0.51003	207.36077	66.44988	280.46815	28.38204	16.35494	35.05852	1.22E-10	2.38E-08	6.73E-09	3.76E-14	1.14E-13	8.97E-14	0	0	0	0	6.094E-13	4.1067E-12	6.72719E-09	3.84659E-14	0	1.91996E-14	0
309	570790.55	4178278.99	0.55, 41782	0.56782	0.69623	0.54766	217.33897	75.80804	318.83899	33.24185	20.36018	42.96761	1.54E-10	2.67E-08	7.93E-09	4.76E-14	1.44E-13	1.14E-13	0	0	0	0	7.713E-13	4.6112E-12	7.92851E-09	4.86863E-14	0	2.43009E-14	0
310	570830.55	4178278.99	0.55, 41782	0.62461	0.91706	0.58168	236.67869	94.57659	403.572	34.09074	24.90976	60.93237	1.97E-10	3.28E-08	8.57E-09	6.08E-14	1.84E-13	1.45E-13	0	0	0	0	9.85E-13	5.6555E-12	8.56843E-09	6.21777E-14	0	3.10349E-14	0
311	570870.55	4178278.99	0.55, 41782	0.74364	1.27032	0.64347	232.57719	121.10786	430.4482	38.76287	29.17824	53.80602	2.66E-10	3.83E-08	9.34E-09	8.21E-14	2.48E-13	1.96E-13	0	0	0	0	1.331E-12	6.6037E-12	9.34134E-09	8.40048E-14	0	4.19295E-14	0
312	570910.55	4178278.99	0.55, 41782	0.98087	1.94043	0.78377	289.58181	139.00222	423.1545	48.26363	45.30681	59.61258	3.98E-10	4.26E-08	1.14E-08	1.23E-13	3.71E-13	2.93E-13	0	0	0	0	1.991E-12	7.3435E-12	1.14395E-08	1.25673E-13	0	6.27274E-14	0
313	570950.55	4178278.99	0.55, 41782	1.54705	3.33468	1.05206	380.89662	209.14004	464.4183	63.48277	60.99964	77.40305	6.74E-10	5.85E-08	1.5E-08	2.08E-13	6.28E-13	4.96E-13	0	0	0	0	3.369E-12	1.0083E-11	1.50206E-08	2.12651E-13	0	1.06141E-13	0
314	571150.55	4178278.99	0.55, 41782	125.5821	15.27099	61.53709	2183.625	235.47088	4321.7852	1020.3296	115.3363	966.08792	7.01E-09	2.01E-07	2.34E-07	2.16E-12	6.54E-12	5.16E-12	0	0	0	0	3.507E-11	3.4616E-11	2.3421E-07	2.21403E-12	0	1.1051E-12	0
315	571190.55	4178278.99	0.55, 41782	19.14498	7.50998	20.68123	704.1647	157.76938	1300.13062	186.41477	61.8786	262.75525	2.32E-09	7.74E-08	4.5E-08	7.15E-13	2.16E-12	1.71E-12	0	0	0	0	1.159E-11	1.3344E-11	4.50271E-08	7.31347E-13	0	3.65039E-13	0
316	571230.55	4178278.99	0.55, 41782	9.41744	4.44398	9.68706	418.2482	120.63814	710.71948	87.01567	39.51148	138.35634	1.27E-09	4.93E-08	2.14E-08	3.9E-13	1.18E-12	9.31E-13	0	0	0	0	6.327E-12	8.5062E-12	2.14253E-08	3.99373E-13	0	1.9934E-13	0
317	571270.55	4178278.99	0.55, 41782	5.33507	3.02277	5.65407	265.61255	99.06709	486.13138	58.88721	29.56115	89.94232	8.14E-10	3.64E-08	1.44E-08	2.51E-13	7.59E-13	5.99E-13	0	0	0	0	4.071E-12	6.2708E-12	1.44038E-08	2.56987E-13	0	1.28271E-13	0
318	571310.55	4178278.99	0.55, 41782	3.44949	2.20529	3.73581	197.38222	83.78037	349.19747	42.40574	23.44903	62.97539	5.75E-10	2.86E-08	1.03E-08	1.77E-13	5.36E-13	4.23E-13	0	0	0	0	2.874E-12	4.9288E-12	1.03259E-08	1.81403E-13	0	9.05439E-14	0
319	571350.55	4178278.99	0.55, 41782	2.42474	1.67304	2.63741	164.77993	74.08708	262.11907	31.82391	19.20475	45.98547	4.27E-10	2.39E-08	7.72E-09	1.32E-13	3.98E-13	3.14E-13	0	0	0	0	2.135E-12	4.1149E-12	7.71612E-09	1.34752E-13	0	6.72589E-14	0
320	571390.55	4178278.99	0.55, 41782	1.80332	1.30805	1.94946	139.62437	66.18564	204.22507	24.75802	16.07748	34.84377	3.29E-10	2.04E-08	5.98E-09	1.02E-13	3.07E-13	2.42E-13	0	0	0	0	1.645E-12	3.5151E-12	5.97874E-09	1.03828E-13	0	5.18237E-14	0
321	571430.55	4178278.99	0.55, 41782	1.38872	1.04688	1.49158	120.07885	59.47148	164.54693	19.78612	13.66223	27.17412	2.6E-10	1.77E-08	4.76E-09	8.03E-14	2.43E-13	1.92E-13	0	0	0	0	1.302E-12	3.0544E-12	4.76066E-09	8.2178E-14	0	4.10177E-14	0
322	571470.55	4178278.99	0.55, 41782	1.11171	0.86066	1.18684	104.95004	53.66694	136.91558	16.34545	11.81303	21.87493	2.12E-10	1.56E-08	3.92E-09	6.55E-14	1.98E-13	1.56E-13	0	0	0	0	1.062E-12	2.6924E-12	3.91793E-09	6.70411E-14	0	3.34624E-14	0
323	571510.55	4178278.99	0.55, 41782	0.90331	0.71725	0.95952	92.95227	48.50847	116.77816	13.70064	10.27697	17.93941	1.76E-10	1.39E-08	3.27E-09	5.42E-14	1.64E-13	1.29E-13	0	0	0	0	8.789E-13	2.3956E-12	3.27371E-09	5.54766E-14	0	2.76902E-14	0
324	571550.55	4178278.99	0.55, 41782	0.74685	0.60641	0.79002	83.35854	43.88956	102.16829	11.6678	9.00306	14.97338	1.48E-10	1.25E-08	2.78E-09	4.56E-14	1.38E-13	1.09E-13	0	0	0	0	7.385E-13	2.1492E-12	2.78008E-09	4.66194E-14	0	2.32692E-14	0
325	571590.55	4178278.99	0.55, 41782	0.63093	0.52161	0.66513	75.57295	41.1264	91.05382	10.11638	7.96472	12.7323	1.26E-10	1.15E-08	2.4E-09	3.9E-14	1.18E-13	9.31E-14	0	0	0	0	6.322E-13	1.9839E-12	2.40394E-09	3.9907E-14	0	1.99189E-14	0
326	570310.55	4178318.99	0.55, 41783	0.1112	0.07908	0.10686	65.67409	25.12162	71.57917	10.72274	3.92383	11.92986	1.96E-11	7.85E-09	2.51E-09	6.06E-15	1.83E-14	1.45E-14	0	0	0	0	9.824E-14	1.353E-12	2.50742E-09	6.20129E-15	0	3.09526E-15	0
327	570350.55	4178318.99	0.55, 41783	0.12381	0.08915	0.11863	72.99363	26.3644	78.028	10.96785	4.13077	12.26515	2.21E-11	8.4E-09	2.57E-09	6.81E-15	2.06E-14	1.62E-14	0	0	0	0	1.104E-13	1.4475E-12	2.56636E-09	6.96577E-15	0	3.47684E-15	0
328	570390.55	4178318.99	0.55, 41783	0.13907	0.1015	0.13256	85.61577	27.73961	87.79758	11.84211	4.3586	12.34233	2.5E-11	9.16E-09	2.75E-09	7.72E-15	2.33E-14	1.84E-14	0	0	0	0	1.251E-13	1.58E-12	2.74758E-09	7.89786E-15	0	3.94207E-15	0
329	570430.55	4178318.99	0.55, 41783	0.15783	0.11689	0.14946	97.99246	29.27563	105.83642	13.47747	4.61214	14.5399	2.87E-11	1.02E-08	3.14E-09	8.85E-15	2.67E-14	2.11E-14	0	0	0	0	1.434E-13	1.7537E-12	3.1398E-09	9.05395E-15	0	4.51912E-15	0
330	570470.55	4178318.99	0.55, 41783	0.18134	0.13633	0.17027	108.90086	31.01454	122.78	14.92794	4.89871	16.74752	3.33E-11	1.12E-08	3.49E-09	1.03E-14	3.1E-14	2.45E-14	0	0	0	0	1.665E-13	1.9237E-12	3.49438E-09	1.05087E-14	0	5.24521E-15	0
331	570510.55	4178318.99	0.55, 41783	0.21129	0.16124	0.19656	118.40452	33.29424	135.32696	15.9306	5.40834	18.39398	3.92E-11	1.21E-08	3.74E-09	1.21E-14	3.65E-14	2.88E-14	0	0	0	0	1.959E-13	2.0863E-12	3.74261E-09	1.23685E-14	0	6.1735E-15	0
332	570550.55	4178318.99	0.55, 41783	0.2503	0.19368	0.23096	153.9338	39.94632	153.89508	19.24172	6.62991	19.23689	4.69E-11	1.45E-08	4.44E-09	1.45E-14	4.37E-14	3.45E-14	0	0	0	0	2.343E-13	2.5077E-12	4.44321E-09	1.47919E-14	0	7.38309E-15	0
333	570590.55	4178318.99	0.55, 41783	0.30196	0.23671	0.27701	186.54438	46.61587	209.37606	23.31805	7.76931	26.17201	5.71E-11	1.79E-08	5.46E-09	1.76E-14	5.32E-14	4.2E-14	0	0	0	0	2.853E-13	3.0843E-12	5.45867E-09	1.80092E-14	0	8.98898E-15	0
334	570630.55	4178318.99	0.55, 41783	0.37105	0.29503	0.3391	205.0145	52.79857	247.59232	25.62681	8.79976	30.94904	7.08E-11	2.04E-08	6.06E-09	2.19E-14	6.6E-14	5.21E-14	0	0	0	0	3.542E-13	3.5176E-12	6.05583E-09	2.23611E-14	0	1.11612E-14	0
335	570670.55	4178318.99	0.55, 41783	0.462	0.37572	0.42024	218.45656	59.57781	273.51496	27.30707	11.98561	34.18937	8.97E-11	2.26E-08	6.48E-09	2.77E-14	8.36E-14	6.6E-14	0	0	0	0	4.485E-13	3.897E-12	6.4843E-09	2.83129E-14	0	1.41319E-14	0
336	570710.55	4178318.99	0.55, 41783	0.57218	0.48827	0.5224	242.44958	66.62286	291.17197	30.3062	15.15553	36.3965	1.15E-10	2.49E-08	7.16E-09	3.56E-14	1.08E-13	8.49E-14	0	0	0	0	5.769E-13	4.2855E-12	7.15632E-09	3.64153E-14	0	1.81761E-14	0
337	570750.55	4178318.99	0.55, 41783	0.67767	0.63416	0.63666	262.41203	72.71034	341.04886	32.8015	17.84948	42.63111	1.47E-10	2.77E-08	7.83E-09	4.55E-14	1.37E-13	1.08E-13	0	0	0	0	7.37E-13	4.7733E-12	7.82952E-09	4.65248E-14	0	2.3222E-14	0
338	570790.55	4178318.99	0.55, 41783	0.76041	0.85502	0.73352	285.66779	86.45349	381.79277	42.9347	23.67926	50.68659	1.92E-10	3.18E-08	1.01E-08	5.93E-14	1.79E-13	1.42E-13	0	0	0	0	9.616E-13	5.4753E-12	1.01156E-08	6.07022E-14	0	3.02984E-14	0
339	570830.55	4178318.99	0.55, 41783	0.82107	1.23378	0.77266	302.59427	109.05103	424.78874	45.07728	29.79255	65.49858	2.64E-10	3.74E-08	1.09E-08	8.16E-14	2.46E-13	1.95E-13	0	0	0	0	1.322E-12	6.4459E-12	1.0939E-08	8.34445E-14	0	4.16498E-14	0
340	570870.55	4178318.99	0.55, 41783	0.93174	1.8881	0.81484	263.71888	150.69846	583.61	37.23183	42.82711	79.94464	3.88E-10	4.84E-08	9.71E-09	1.2E-13	3.62E-13	2.86E-13	0	0	0	0	1.942E-12	8.34E-12	9.70538E-09	1.22563E-13	0	6.1175E-14	0
341	570910.55	4178318.99	0.55, 41783	1.19482	3.5981	0.94641	225.26352	195.84246	582.08496	37.31993	59.22953	72.76062	7.12E-10	5.59E-08	9.54E-09	2.2E-13	6.64E-13	5.24E-13	0	0	0	0	3.561E-12	9.6296E-12	9.53713E-09	2.24798E-13	0	1.12204E-13	0
342	571190.55	4178318.99	0.55, 41783	29.13102	9.74239	24.19825	1204.46355	192.40018	1781.17361	337.10397	86.14095	400.692	3.03E-09	1.07E-07	7.95E-08	9.34E-13	2.82E-12	2.23E-12	0	0	0	0	1.513E-11	1.8385E-11	7.94939E-08	9.55339E-13	0	4.7684E-13	0
343	571230.55	4178318.99	0.55, 41783	10.45163	5.25398	11.58574	479.33008	117.37647	725.29291	126.19986	44.06446	185.38424	1.49E-09	5.04E-08	3.07E-08	4.58E-13	1.38E-12	1.09E-12	0	0	0	0	7.427E-12	8.6863E-12	3.06772E-08	4.68787E-13	0	2.33987E-13	0
344	571270.55	4178318.99	0.55, 41783	5.72808	3.4301	6.64009	292.22118	96.9874	479.91721	63.79547	33.00222	105.59121	9.23E-10	3.64E-08	1.58E-08	2.85E-13	8.6E-13	6.79E-13	0	0	0	0	4.615E-12	6.2721E-12	1.58157E-08	2.91318E-13	0	1.45406E-13	0
345	571310.55	4178318.99	0.55, 41783	3.67711	2.43151	4.23514	175.48484	83.52768	339.71763	43.52526	25.92364	69.01312	6.34E-10	2.78E-08	1.07E-08	1.96E-13	5.91E-13	4.67E-13	0	0	0	0	3.171E-12	4.8001E-12	1.0712E-08	2.00135E-13	0	9.98938E-14	0
346	571350.55	4178318.99	0.55, 41783	2.57847	1.81872	2.91777	135.74456	73.58424	245.66728	31.86463	21.08438	47.561	4.64E-10	2.27E-08	7.77E-09	1.43E-13	4.33E-13	3.42E-13	0	0	0	0	2.321E-12	3.9215E-12	7.76532E-09	1.46525E-13	0	7.31351E-14	0
347	571390.55	4178318.99	0.55, 41783	1.91038	1.41202	2.12389	114.67965	65.84745	189.40245	24.95277	17.54375	35.6451	3.55E-10	1.94E-08	6.04E-09	1.1E-13	3.31E-13	2.61E-13	0	0	0	0	1.774E-12	3.3488E-12	6.03945E-09	1.12002E-13	0	5.59039E-14	0
348	571430.55	4178318.99	0.55, 41783	1.47151	1.12853	1.61377	100.57811	59.61061	161.57422	20.18585	14.84739	27.57311	2.8E-10	1.73E-08	4.85E-09	8.65E-14	2.61E-13	2.06E-13	0	0	0	0	1.402E-12	2.9758E-12	4.85294E-09	8.84682E-14	0	4.41573E-14	0
349	571470.55	4178318.99	0.55, 41783	1.16585	0.92218	1.2649	90.09229	54.43044	139.38169	16.69193	12.71837	21.87498	2.27E-10	1.55E-08	3.99E-09	7E-14	2.11E-13	1.67E-13	0	0	0	0	1.134E-12	2.6745E-12	3.98896E-09	7.1612E-14	0	3.57438E-14	0
350	571510.55	4178318.99	0.55, 41783	0.94595	0.76805	1.01773	81.52103	50.05282	121.69	14.06237	11.00608	17.76049	1.88E-10	1.41E-08	3.34E-09	5.79E-14	1.75E-13	1.38E-13	0	0	0	0	9.376E-13	2.4257E-12	3.34442E-09	5.91863E-14	0	2.95418E-14	0
351	571550.55	4178318.99	0.55, 41783	0.78212	0.64956	0.83556	74.38547	46.28731	107.35752	12.02264	9.59923	14.66288	1.58E-10	1.29E-08	2.84E-09	4.86E-14	1.47E-13	1.16E-13	0	0	0	0	7.879E-13	2.2165E-12	2.84477E-09	4.97323E-14	0	2.4823E-14	0
352	571590.55	4178318.99	0.55, 41783	0.65442	0.55508	0.69496	68.29245	42.98116	95.34122	10.3334	8.40789	12.26582	1.34E-10	1.18E-08	2.44E-09	4.13E-14	1.25E-13	9.85E-14	0	0	0	0	6.693E-13	2.0359E-12	2.43633E-09	4.22513E-14	0	2.1089E-14	0
353	570310.55	4178358.99	0.55, 41783	0.11229	0.07993	0.10794	69.29068	26.58817	75.81746	11.54845	4.0095	12.46153	1.99E-11	8.3E-09	2.69E-09	6.13E-15	1.85E-14	1.46E-14	0	0	0	0	9.928E-14	1.4315E-12	2.69047E-09	6.26669E-15	0	3.12791E-15	0
354	570350.55	4178358.99	0.55, 41783	0.12531	0.09043	0.1201	75.30937	28.06345	82.61098	12.55156	4.25756	13.7685	2.24E-11	8.88E-09	2.93E-09	6.9E-15	2.08E-14	1.65E-14	0	0	0	0	1.119E-13	1.5302E-12	2.92999E-09	7.06205E-15	0	3.5249E-15	0
355	570390.55	4178358.99	0.55, 41783	0.14084	0.10296	0.13441	81.29058	29.71471	90.82388	13.54843	4.53386	15.13731	2.54E-11	9.52E-09	3.17E-09	7.83E-15	2.36E-14	1.87E-14	0	0	0	0	1.269E-13	1.6408E-12	3.16984E-09	8.00949E-15	0	3.99779E-15	0
356	570430.55	4178358.99	0.55, 41783	0.15989	0.11858	0.15186	87.11605	31.54887	98.44842	14.51934	4.83992	16.40807	2.91E-11	1.02E-08	3.4E-09	8.98E-15	2.71E-14	2.14E-14	0	0	0	0	1.455E-13	1.754E-12	3.40182E-09	9.18536E-15	0	4.58471E-15	0
357	570470.55	4178358.99	0.55, 41783	0.18374	0.13844	0.17326	97.3598	33.59814	106.34308	15.36354	5.1813	17.51553	3.38E-11	1.1E-08	3.6E-09	1.04E-14	3.15E-14	2.49E-14	0	0	0	0	1.691E-13	1.891E-12	3.60359E-09	1.06715E-14	0	5.32651E-15	0
358	570510.55	4178358.99	0.55, 41783	0.21432	0.16421	0.20002	118.04415	35.93263	125.3205	16.48105	5.5698	18.1537	3.99E-11	1.23E-08	3.85E-09	1.23E-14	3.72E-14	2.94E-14	0	0	0	0	1.994E-13	2.124E-12	3.84922E-09	1.25893E-14	0	6.28374E-15	0
359	570550.55	4178358.99	0.55, 41783	0.25472	0.19842	0.23435	139.50155	38.63371	157.96544	19.4148	6.01971	21.81117	4.79E-11	1.41E-08	4.55E-09	1.48E-14	4.46E-14	3.53E-14	0	0	0	0	2.396E-13	2.4326E-12	4.54546E-09	1.51242E-14	0	7.54896E-15	0
360	570590.55	4178358.99	0.55, 41783	0.30979	0.24497	0.28017	159.83108	41.83842	190.36526	22.23989	6.84975	26.13545	5.88E-11	1.6E-08	5.24E-09	1.82E-14	5.48E-14	4.33E-14	0	0	0	0	2.941E-13	2.752E-12	5.23671E-09	1.85667E-14	0	9.26723E-15	0
361	570630.55	4178358.99	0.55, 41783	0.38734	0.31015	0.34391	206.43147	51.05257	211.21178	25.80393	8.50876	28.98998	7.41E-11	1.92E-08	6.04E-09	2.29E-14	6.9E-14	5.45E-14	0	0	0	0	3.705E-13	3.3046E-12	6.04133E-09	2.33864E-14	0	1.16729E-14	0
362	570670.55	4178358.99	0.55, 41783	0.50063	0.40488	0.43681	262.98595	60.70684	312.78941	32.87324	10.74505	39.09868	9.63E-11	2.48E-08	7.75E-09	2.97E-14	8.97E-14	7.09E-14	0	0	0	0	4.816E-13	4.2677E-12	7.75261E-09	3.03972E-14	0	1.51722E-14	0
363	570710.55	4178358.99	0.55, 41783	0.66972	0.54814	0.57453	304.17814	72.14807	380.66102	38.02227	15.71205	47.58263	1.3E-10	2.95E-08	9.03E-09	4E-14	1.21E-13	9.55E-14	0	0	0	0	6.489E-13	5.082E-12	9.02813E-09	4.09621E-14	0	2.04455E-14	0
364	570750.55	4178358.99	0.55, 41783	0.90523	0.76876	0.77041	339.35657	85.82023	445.46467	44.72327	21.31802	55.68308	1.8E-10	3.44E-08	1.06E-08	5.57E-14	1.68E-13	1.33E-13	0	0	0	0	9.02E-13	5.9319E-12	1.06118E-08	5.69366E-14	0	2.84189E-14	0
365	570790.55	4178358.99	0.55, 41783	1.13154	1.06104	0.98839	377.53193	96.31599	507.3356	54.94081	27.90141	63.41695	2.45E-10	3.87E-08	1.29E-08	7.55E-14	2.28E-13	1.8E-13	0	0	0	0	1.223E-12	6.6785E-12	1.29069E-08	7.71986E-14	0	3.85323E-14	0
366	570830.55	4178358.99	0.55, 41783	1.33226	1.74963	1.18947	411.58415	139.14147	649.42864	69.46909	37.35577	97.59965	3.81E-10	5.1E-08	1.68E-08	1.18E-13	3.55E-13	2.8E-13	0	0	0	0	1.904E-12	8.7961E-12	1.67715E-08	1.202E-13	0	5.99956E-14	0
367	570870.55	4178358.99	0.55, 41783	1.45984	3.38436	1.19217	346.78431	184.49712	847.26971	52.43952	61.49528	124.03925	6.85E-10	6.32E-08	1.4E-08	2.11E-13	6.38E-13	5.04E-13	0	0	0	0	3.424E-12	1.089E-11	1.39663E-08	2.16116E-13	0	1.0787E-13	0
368	571150.55	4178358.99	0.55, 41783	17.36196	17.82412	10.70274	1537.79423	258.8776	2153.28101	350.34789	128.93656	372.67701	3.92E-09	1.35E-07	8.15E-08	1.21E-12	3.65E-12	2.89E-12	0	0	0	0	1.961E-11	2.3353E-11	8.14822E-08	1.23776E-12	0	6.17803E-13	0
369	571190.55	4178358.99	0.55, 41783	10.35157	8.16971	8.42586	590.93034	162.31709	1380.32388	161.82999	76.08872	218.22557	1.94E-09	7.8E-08	3.88E-08	5.98E-13	1.81E-12	1.43E-12	0	0	0	0	9.692E-12	1.3442E-11	3.88327E-08	6.11816E-13	0	3.05377E-13	0
370	571230.55	4178358.99	0.55, 41783	6.41954	4.85697	6.11014	429.96716	118.18476	649.38165	103.83364	47.29307	136.54892	1.19E-09	4.75E-08	2.48E-08	3.66E-13	1.11E-12	8.73E-13	0	0	0	0	5.933E-12	8.1959E-12	2.48259E-08	3.74479E-13	0	1.86915E-13	0
371	571270.55	4178358.99	0.55, 41783	4.24607	3.28764	4.46672	330.34534	97.41521	669.03521	71.25122	30.79427	101.30501	8.1E-10	4.22E-08	1.72E-08	2.5E-13	7.54E-13	5.96E-13	0	0	0	0	4.048E-12	7.2677E-12	1.72329E-08	2.5554E-13	0	1.27548E-13	0
372	571310.55	4178358.99	0.55, 41783	3.01802	2.39332	3.29044	280.32399	84.30249	476.5001	47.38187	23.6076	69.83839	5.89E-10	3.37E-08	1.15E-08	1.82E-13	5.49E-13	4.33E-13	0	0	0	0	2.944E-12	5.8113E-12	1.15239E-08	1.85866E-13	0	9.27716E-14	0
373	571350.55	4178358.99	0.55, 41783	2.25439	1.82521	2.47896	223.1696	75.03337	276.07803	32.74083	19.24184	47.29925	4.47E-10	2.56E-08	7.94E-09	1.38E-13	4.17E-13	3.29E-13	0	0	0	0	2.237E-12	4.4162E-12	7.93815E-09	1.41188E-13	0	7.04714E-14	0
374	571390.55	4178358.99	0.55, 41783	1.7395	1.43625	1.90839	164.0034	68.00709	177.73654	25.39154	16.17569	38.72375	3.5E-10	2.05E-08	6.21E-09	1.08E-13	3.26E-13	2.58E-13	0	0	0	0	1.751E-12	3.5417E-12	6.20923E-09	1.10528E-13	0	5.51682E-14	0
375	571430.55	4178358.99	0.55, 41783	1.37666	1.15767	1.50113	113.66708	62.41604	162.05892	21.33563	13.79366	30.03325	2.81E-10	1.81E-08	5.15E-09	8.66E-14	2.62E-13	2.07E-13	0	0	0	0	1.404E-12	3.1139E-12	5.15244E-09	8.86196E-14	0	4.42329E-14	0
376	571470.55	4178358.99	0.55, 41783	1.11313	0.95193	1.20554	91.64258	57.80687	139.39839	17.44486	11.89568	22.85385	2.3E-10	1.62E-08	4.23E-09	7.09E-14	2.14E-13	1.69E-13	0	0	0	0	1.149E-12	2.7874E-12	4.23018E-09	7.25108E-14	0	3.61925E-14	0
377	571510.55	4178358.99	0.55, 41783	0.9166	0.79605	0.98663	82.11168	53.90312	116.32041	14.64829	10.35284	20.08654	1.91E-10	1.47E-08	3.52E-09	5.9E-14	1.78E-13	1.41E-13	0	0	0	0	9.563E-13	2.5261E-12	3.52365E-09	6.03677E-14	0	3.01315E-14	0
378	571550.55	4178358.99	0.55, 41783	0.76622	0.67498	0.82026	72.9064	50.52239	102.58687	12.13868	9.07968	17.28494	1.62E-10	1.35E-08	2.94E-09	4.98E-14	1.51E-13	1.19E-13	0	0	0	0	8.076E-13	2.3244E-12	2.93655E-09	5.09811E-14	0	2.54463E-14	0
379	571590.55	4178358.99	0.55, 41783	0.64386	0.57575	0.68602	65.94968	47.48497	92.44167	10.99161	8.00686	15.40694	1.37E-10	1.25E-08	2.65E-09	4.23E-14	1.28E-13	1.01E-13	0	0	0	0	6.861E-13	2.1576E-12	2.65271E-09	4.33109E-14	0	2.16178E-14	0
380	570310.55	4178398.99	0.55, 41783	0.11287	0.08031	0.1093	71.34246	27.87564	79.43468	11.89041	3.82503	13.23911	2E-11	8.68E-09	2.78E-09	6.16E-15	1.86E-14	1.47E-14	0	0	0	0	9.986E-14	1.4959E-12	2.78074E-09	6.30372E-15	0	3.14639E-15	0
381	570350.55	4178398.99	0.55, 41783	0.12665	0.09175	0.12214	75.96419	29.57043	83.22909	12.46202	4.12173	13.80548	2.27E-11	9.18E-09	2.91E-09	7E-15	2.11E-14	1.67E-14	0	0	0	0	1.135E-13	1.5832E-12	2.9126E-09	7.16428E-15	0	3.57592E-15	0
382	570390.55	4178398.99	0.55, 41783	0.1425	0.10434	0.13672	83.29233	31.439	92.96873	13.04897	4.44958	14.404	2.57E-11	9.93E-09	3.05E-09	7.94E-15	2.4E-14	1.89E-14	0	0	0	0	1.286E-13	1.7123E-12	3.04844E-09	8.11951E-15	0	4.05271E-15	0
383	570430.55	4178398.99	0.55, 41783	0.16211	0.12032	0.15453	91.32735	33.521	103.76057	14.59534	4.81492	15.65812	2.95E-11	1.08E-08	3.4E-09	9.12E-15	2.75E-14	2.17E-14	0	0	0	0	1.477E-13	1.8555E-12	3.39795E-09	9.32293E-15	0	4.65337E-15	0
384	570470.55	4178398.99	0.55, 41783	0.18668	0.14051	0.17655	100.43451	35.89015	115.76296	16.57018	5.22899	18.35818	3.43E-11	1.17E-08	3.87E-09	1.06E-14	3.2E-14	2.53E-14	0	0	0	0	1.717E-13	2.017E-12	3.87279E-09	1.08381E-14	0	5.40964E-15	0
385	570510.55	4178398.99	0.55, 41783	0.21834	0.16684	0.20421	112.76596	38.62084	128.93318	18.79433	5.70408	21.48886	4.06E-11	1.28E-08	4.41E-09	1.25E-14	3.78E-14	2.99E-14	0	0	0	0	2.028E-13	2.2067E-12	4.40991E-09	1.28029E-14	0	6.39033E-15	0
386	570550.55	4178398.99	0.55, 41783	0.26039	0.20212	0.2399	127.75395	41.82578	149.79254	21.29232	6.25899	24.96542	4.89E-11	1.42E-08	5.01E-09	1.51E-14	4.55E-14	3.6E-14	0	0	0	0	2.443E-13	2.4554E-12	5.01213E-09	1.54219E-14	0	7.69755E-15	0
387	570590.55	4178398.99	0.55, 41783	0.3185	0.25095	0.28739	144.10526	45.67081	172.10131	24.01754	7.17597	28.68355	6.03E-11	1.59E-08	5.67E-09	1.86E-14	5.62E-14	4.44E-14	0	0	0	0	3.015E-13	2.7358E-12	5.66719E-09	1.90306E-14	0	9.49876E-15	0
388	570630.55	4178398.99	0.55, 41783	0.40291	0.32135	0.35272	177.65061	50.39519	203.06539	27.05917	8.74903	32.05961	7.67E-11	1.82E-08	6.38E-09	2.37E-14	7.15E-14	5.65E-14	0	0	0	0	3.836E-13	3.1443E-12	6.37825E-09	2.42117E-14	0	1.20849E-14	0
389	570670.55	4178398.99	0.55, 41783	0.53348	0.4284	0.44753	224.79663	56.41372	278.51402	32.60934	10.76331	39.25369	1.02E-10	2.23E-08	7.7E-09	3.14E-14	9.47E-14	7.48E-14	0	0	0	0	5.08E-13	3.8415E-12	7.70254E-09	3.20677E-14	0	1.6006E-14	0
390	570710.55	4178398.99	0.55, 41783	0.75271	0.60288	0.59636	297.96202	70.92072	361.49768	41.13122	14.0152	50.83456	1.42E-10	2.86E-08	9.75E-09	4.39E-14	1.32E-13	1.05E-13	0	0	0	0	7.108E-13	4.9351E-12	9.74976E-09	4.48674E-14	0	2.23947E-14	0
391	570750.55	4178398.99	0.55, 41783	1.15447	0.90762	0.85203	416.42427	90.04322	551.74774	52.05303	22.1169	68.96847	2.13E-10	3.95E-08	1.25E-08	6.58E-14	1.99E-13	1.57E-13	0	0	0	0	1.066E-12	6.817E-12	1.24589E-08	6.73113E-14	0	3.35972E-14	0
392	570790.55	4178398.99	0.55, 41783	1.70092	1.35462	1.23288	632.44551	121.09647	736.15706	79.05569	31.00919	92.01963	3.17E-10	5.45E-08	1.86E-08	9.78E-14	2.95E-13	2.33E-13	0	0	0	0	1.584E-12	9.4007E-12	1.85919E-08	9.99997E-14	0	4.99131E-14	0
393	570830.55	4178398.99	0.55, 41783	3.46088	2.976	2.05541	854.46592	185.76652	929.26678	157.19416	64.23703	133.05669	6.73E-10	7.61E-08	3.57E-08	2.08E-13	6.27E-13	4.96E-13	0	0	0	0	3.367E-12	1.3113E-11	3.56736E-08	2.12539E-13	0	1.06085E-13	0
394	571110.55	4178398.99	0.55, 41783	4.7766	17.70794	5.53677	386.44752	237.89657	1139.86397	91.74551	117.26543	182.49592	3.51E-09	8.14E-08	2.35E-08	1.08E-12	3.27E-12	2.58E-12	0	0	0	0	1.753E-11	1.4036E-11	2.35396E-08	1.1063E-12	0	5.52191E-13	0
395	571150.55	4178398.99	0.55, 41783	4.75682	9.04164	4.75414	493.27775	194.83019	977.82769	91.47407	80.27894	179.74579	1.89E-09	7.15E-08	2.34E-08	5.83E-13	1.76E-12	1.39E-12	0	0	0	0	9.439E-12	1.2326E-11	2.34127E-08	5.95828E-13	0	2.97397E-13	0
396	571190.55	4178398.99	0.55, 41783	4.13591	5.67532	3.9763	541.83424	159.29594	784.3481	82.25115	55.55038	130.43816	1.23E-09	6.09E-08	2.02E-08	3.81E-13	1.15E-12	9.09E-13	0	0	0	0	6.173E-12	1.0505E-11	2.02433E-08	3.89646E-13	0	1.94485E-13	0
397	571230.55	4178398.99	0.55, 41783	3.34043	3.91116	3.41587	419.25179	113.41297	723.05548	67.92735	42.50701	103.29364	8.78E-10	4.83E-08	1.66E-08	2.71E-13	8.19E-13	6.47E-13	0	0	0	0	4.392E-12	8.3354E-12	1.66031E-08	2.77265E-13	0	1.38392E-13	0
398	571270.55	4178398.99	0.55, 41783	2.69096	2.84934	2.72459	276.99568	96.24025	620.23738	46.4546	32.10306	94.16047	6.51E-10	3.96E-08	1.2E-08	2.01E-13	6.07E-13	4.79E-13	0	0	0	0	3.257E-12	6.8213E-12	1.19646E-08	2.0561E-13	0	1.02626E-13	0
399	571310.55	4178398.99	0.55, 41783	2.15304	2.16763	2.23142	240.01182	84.08056	257.12386	39.08125	24.00367	52.53394	5.02E-10	2.71E-08	9.37E-09	1.55E-13	4.68E-13	3.69E-13	0	0	0	0	2.51E-12	4.6791E-12	9.37361E-09	1.5841E-13	0	7.90673E-14	0
400	571350.55	4178398.99	0.55, 41783	1.74135	1.70512	1.85867	224.12525	73.73672	326.22415	31.06226	18.34101	44.13622	3.98E-10	2.67E-08	7.51E-09	1.23E-13	3.71E-13	2.93E-13	0	0	0	0	1.992E-12	4.6027E-12	7.51203E-09	1.25768E-13	0	6.27749E-14	0
401	571390.55	4178398.99	0.55, 41783	1.43215	1.37481	1.54866	207.21833	64.01827	312.56807	26.21992	15.02288	39.07101	3.23E-10	2.42E-08	6.39E-09	9.97E-14	3.01E-13	2.38E-13	0	0	0	0	1.616E-12	4.1725E-12	6.38804E-09	1.01999E-13	0	5.09107E-14	0
402	571430.55	4178398.99	0.55, 41783	1.19016	1.12906	1.29293	179.9524	59.14274	244.73255	22.49405	12.88734	30.59157	2.66E-10	2.1E-08	5.4E-09	8.22E-14	2.48E-13	1.96E-13	0	0	0	0	1.331E-12	3.6167E-12	5.40438E-09	8.40305E-14	0	4.19423E-14	0
403	571470.55	4178398.99	0.55, 41783	0.9966	0.93995	1.08271	146.8642	55.47011	170.50633	18.35802	11.23121	21.31329	2.22E-10	1.77E-08	4.32E-09	6.85E-14	2.07E-13	1.63E-13	0	0	0	0	1.11E-12	3.0498E-12	4.31592E-09	7.00457E-14	0	3.49621E-14	0
404	571510.55	4178398.99	0.55, 41783	0.8441	0.79417	0.91453	113.63796	52.27286	111.23462	14.20474	9.85599	18.36688	1.88E-10	1.49E-08	3.39E-09	5.79E-14	1.75E-13	1.38E-13	0	0	0	0	9.377E-13	2.5644E-12	3.38813E-09	5.91935E-14	0	2.95454E-14	0
405	571550.55	4178398.99	0.55, 41783	0.71988	0.67749	0.77601	84.04695	49.45688	81.90115	12.59546	8.65245	16.41022	1.6E-10	1.3E-08	3.01E-09	4.93E-14	1.49E-13	1.18E-13	0	0	0	0	7.994E-13	2.2379E-12	3.0075E-09	5.04614E-14	0	2.51869E-14	0
406	571590.55	4178398.99	0.55, 41783	0.61846	0.58359	0.66441	61.25343	46.95039	82.40366	11.31778	7.65227	14.12983	1.38E-10	1.21E-08	2.69E-09	4.25E-14	1.28E-13	1.01E-13	0	0	0	0	6.879E-13	2.079E-12	2.68645E-09	4.34236E-14	0	2.16741E-14	0
407	570310.55	4178438.99	0.55, 41784	0.11265	0.08111	0.10949	78.47962	27.91467	88.7071	13.07994	3.48933	14.78452	2.01E-11	9.07E-09	3.06E-09	6.21E-15	1.87E-14	1.48E-14	0	0	0	0	1.006E-13	1.5641E-12	3.06466E-09	6.35036E-15	0	3.16967E-15	0
408	570350.55	4178438.99	0.55, 41784	0.12585	0.09139	0.12175	84.84174	29.62734	96.42477	14.09078	3.70342	16.0708	2.26E-11	9.71E-09	3.31E-09	6.98E-15	2.11E-14	1.66E-14	0	0	0	0	1.13E-13	1.6747E-12	3.30522E-09	7.13492E-15	0	3.56127E-15	0
409	570390.55	4178438.99	0.55, 41784	0.14252	0.10489	0.13706	91.50908	31.67143	105.54781	15.25151	4.06451	17.5913	2.58E-11	1.05E-08	3.58E-09	7.97E-15	2.41E-14	1.9E-14	0	0	0	0	1.292E-13	1.8054E-12	3.58259E-09	8.15441E-15	0	4.07013E-15	0
410	570430.55	4178438.99	0.55, 41784	0.16313	0.12204	0.15568	99.54775	33.93845	116.15512	16.59129	4.47421	19.35919	2.99E-11	1.13E-08	3.9E-09	9.23E-15	2.79E-14	2.2E-14	0	0	0	0	1.495E-13	1.9535E-12	3.90308E-09	9.43904E-15	0	4.71133E-15	0
411	570470.55	4178438.99	0.55, 41784	0.18858	0.14267	0.1783	108.92524	36.54882	128.38607	18.15421	4.93599	21.39768	3.48E-11	1.23E-08	4.28E-09	1.07E-14	3.24E-14	2.56E-14	0	0	0	0	1.741E-13	2.1247E-12	4.27633E-09	1.09905E-14	0	5.48569E-15	0
412	570510.55	4178438.99	0.55, 41784	0.22167	0.16966	0.20722	120.34611	39.98702	143.34164	20.05769	5.68986	23.89027	4.12E-11	1.36E-08	4.73E-09	1.27E-14	3.84E-14	3.03E-14	0	0	0	0	2.062E-13	2.3416E-12	4.73116E-09	1.30133E-14	0	6.49536E-15	0
413	570550.55	4178438.99	0.55, 41784	0.2658	0.20594	0.24496	134.27176	44.24032	161.13607	22.37863	6.83821	26.85601	4.98E-11	1.51E-08	5.28E-09	1.54E-14	4.64E-14	3.67E-14	0	0	0	0	2.491E-13	2.6061E-12	5.28384E-09	1.57209E-14	0	7.84678E-15	0
414	570590.55	4178438.99	0.55, 41784	0.3272	0.25654	0.29583	151.91315	49.32778	182.29969	25.31886	8.30482	30.38328	6.17E-11	1.7E-08	5.98E-09	1.9E-14	5.75E-14	4.54E-14	0	0	0	0	3.086E-13	2.9255E-12	5.97803E-09	1.94817E-14	0	9.72392E-15	0
415	570630.55	4178438.99	0.55, 41784	0.41735	0.33056	0.3671	175.42083	55.6235	213.97884	29.2368	10.21264	34.63299	7.91E-11	1.94E-08	6.89E-09	2.44E-14	7.37E-14	5.82E-14	0	0	0	0	3.954E-13	3.3512E-12	6.89137E-09	2.49596E-14	0	1.24581E-14	0
416	570670.55	4178438.99	0.55, 41784	0.56024	0.44648	0.47194	208.37177	63.80907	268.23017	34.72863	12.75328	41.38807	1.06E-10	2.3E-08	8.19E-09	3.27E-14	9.89E-14	7.81E-14	0	0	0	0	5.306E-13	3.9717E-12	8.19232E-09	3.34941E-14	0	1.6718E-14	0
417	570710.55	4178438.99	0.55, 41784	0.81434	0.64609	0.63688	258.28683	75.2647	339.8113	43.04781	16.40047	56.02244	1.52E-10	2.8E-08	1.03E-08	4.7E-14	1.42E-13	1.12E-13	0	0	0	0	7.622E-13	4.8342E-12	1.02772E-08	4.81152E-14	0	2.40158E-14	0
418	570750.55	4178438.99	0.55, 41784	1.35572	1.03003	0.91926	343.9155	93.10334	457.76974	57.16949	22.25077	76.29496	2.42E-10	3.62E-08	1.37E-08	7.46E-14	2.25E-13	1.78E-13	0	0	0	0	1.209E-12	6.2346E-12	1.36977E-08	7.62975E-14	0	3.80825E-14	0
419	570790.55	4178438.99	0.55, 41784	3.18264	2.0617	1.49283	571.47263	129.70009	738.76969	95.66015	38.79176	110.20608	4.85E-10	5.49E-08	2.25E-08	1.5E-13	4.52E-13	3.57E-13	0	0	0	0	2.423E-12	9.4676E-12	2.24673E-08	1.52946E-13	0	7.63404E-14	0
420	571070.55	4178438.99	0.55, 41784	4.74443	12.25677	5.33303	251.71558	235.3671	557.08631	48.15254	87.29167	78.37734	2.49E-09	6.3E-08	1.19E-08	7.7E-13	2.32E-12	1.84E-12	0	0	0	0	1.247E-11	1.0868E-11	1.19033E-08	7.87443E-13	0	3.93038E-13	0
421	571110.55	4178438.99	0.55, 41784	3.89854	10.39914	4.234	292.37938	213.76959	730.76501	54.55193	96.69541	95.26587	2.11E-09	6.44E-08	1.37E-08	6.5E-13	1.96E-12	1.55E-12	0	0	0	0	1.053E-11	1.1104E-11	1.36531E-08	6.64888E-13	0	3.31867E-13	0
422	571150.55	4178438.99	0.55, 41784	3.24566	6.14355	3.38328	299.25996	151.74182	537.6659	53.26943	58.88405	104.89405	1.29E-09	4.81E-08	1.36E-08	3.97E-13	1.2E-12	9.47E-13	0	0	0	0	6.435E-12	8.2948E-12	1.36399E-08	4.0619E-13	0	2.02742E-13	0
423	571190.55	4178438.99	0.55, 41784	2.68652	4.20662	2.81661	319.22111	114.25705	663.08885	45.60302	42.68486	97.00809	9.04E-10	4.49E-08	1.19E-08	2.79E-13	8.42E-13	6.65E-13	0	0	0	0	4.519E-12	7.7363E-12	1.18639E-08	2.85259E-13	0	1.42382E-13	0
424	571230.55	4178438.99	0.55, 41784	2.2851	3.10379	2.38014	355.31137	114.374	594.35462	48.25343	33.87475	78.4876	6.81E-10	4.39E-08	1.19E-08	2.1E-13	6.34E-13	5.01E-13	0	0	0	0	3.405E-12	7.5618E-12	1.19269E-08	2.14929E-13	0	1.07278E-13	0
425	571270.55	4178438.99	0.55, 41784	1.91581	2.39067	2.08735	281.61312	92.35093	457.23387	43.32371	28.45229	65.31912	5.34E-10	3.47E-08	1.06E-08	1.65E-13	4.98E-13	3.93E-13	0	0	0	0	2.672E-12	5.9854E-12	1.05748E-08	1.68647E-13	0	8.41769E-14	0
426	571310.55	4178438.99	0.55, 41784	1.62017	1.88774	1.73959	249.98498	75.512	443.82502	38.72011	23.46838	65.04063	4.27E-10	3.06E-08	9.62E-09	1.32E-13	3.97E-13	3.14E-13	0	0	0	0	2.133E-12	5.2774E-12	9.62393E-09	1.34619E-13	0	6.71927E-14	0
427	571350.55	4178438.99	0.55, 41784	1.36969	1.52492	1.4607	207.90528	71.02603	289.54604	31.99215	18.96422	43.80183	3.47E-10	2.49E-08	7.69E-09	1.07E-13	3.24E-13	2.56E-13	0	0	0	0	1.736E-12	4.2946E-12	7.69397E-09	1.09598E-13	0	5.4704E-14	0
428	571390.55	4178438.99	0.55, 41784	1.16602	1.25794	1.25769	137.82846	66.02867	157.99714	21.56098	15.29437	27.7078	2.89E-10	1.91E-08	5.14E-09	8.9E-14	2.69E-13	2.12E-13	0	0	0	0	1.443E-12	3.2969E-12	5.13832E-09	9.10783E-14	0	4.54601E-14	0
429	571430.55	4178438.99	0.55, 41784	1.00225	1.05165	1.08939	150.81052	60.59063	188.78292	19.07395	12.70811	25.02004	2.43E-10	1.92E-08	4.56E-09	7.49E-14	2.26E-13	1.79E-13	0	0	0	0	1.214E-12	3.3083E-12	4.55881E-09	7.66327E-14	0	3.82498E-14	0
430	571470.55	4178438.99	0.55, 41784	0.86528	0.88825	0.94207	153.64691	54.59461	206.40776	19.20586	10.6849	25.80097	2.06E-10	1.86E-08	4.61E-09	6.36E-14	1.92E-13	1.52E-13	0	0	0	0	1.03E-12	3.2068E-12	4.6061E-09	6.50283E-14	0	3.24577E-14	0
431	571510.55	4178438.99	0.55, 41784	0.75493	0.76151	0.82291	144.52703	49.13224	189.90829	18.06588	9.74189	23.73854	1.77E-10	1.7E-08	4.32E-09	5.47E-14	1.65E-13	1.3E-13	0	0	0	0	8.865E-13	2.9269E-12	4.31893E-09	5.59605E-14	0	2.79317E-14	0
432	571550.55	4178438.99	0.55, 41784	0.65913	0.65716	0.71761	127.58758	46.59598	156.05984	15.94845	8.8858	19.50748	1.53E-10	1.53E-08	3.78E-09	4.73E-14	1.43E-13	1.13E-13	0	0	0	0	7.668E-13	2.6344E-12	3.77515E-09	4.84034E-14	0	2.41597E-14	0
433	571590.55	4178438.99	0.55, 41784	0.57626	0.57045	0.62441	106.82976	44.35137	118.44703	13.35372	8.08009	14.80588	1.33E-10	1.35E-08	3.12E-09	4.11E-14	1.24E-13	9.81E-14	0	0	0	0	6.662E-13	2.3206E-12	3.12133E-09	4.20557E-14	0	2.09914E-14	0
434	570310.55	4178478.99	0.55, 41784	0.1113	0.08183	0.10709	74.58423	29.47815	84.27127	11.80727	4.00274	12.56763	2.02E-11	9.16E-09	2.75E-09	6.22E-15	1.88E-14	1.48E-14	0	0	0	0	1.008E-13	1.58E-12	2.74628E-09	6.36374E-15	0	3.17635E-15	0
435	570350.55	4178478.99	0.55, 41784	0.12561	0.09388	0.12027	80.0812	31.76761	91.05741	12.83362	4.33491	13.82729	2.3E-11	9.88E-09	2.99E-09	7.1E-15	2.14E-14	1.69E-14	0	0	0	0	1.151E-13	1.7027E-12	2.98934E-09	7.26603E-15	0	3.62671E-15	0
436	570390.55	4178478.99	0.55, 41784	0.14146	0.10678	0.13471	86.10528	34.01158	98.86723	14.01299	4.67053	15.28263	2.61E-11	1.06E-08	3.27E-09	8.05E-15	2.43E-14	1.92E-14	0	0	0	0	1.305E-13	1.8305E-12	3.26884E-09	8.23814E-15	0	4.11192E-15	0
437	570430.55	4178478.99	0.55, 41784	0.16075	0.12266	0.15218	93.00088	36.36689	108.11431	15.32204	5.02469	17.00047	2.99E-11	1.14E-08	3.58E-09	9.22E-15	2.78E-14	2.2E-14	0	0	0	0	1.494E-13	1.9713E-12	3.58173E-09	9.43086E-15	0	4.70724E-15	0
438	570470.55	4178478.99	0.55, 41784	0.18644	0.14379	0.17515	101.96042	39.51551	120.09702	16.93263	5.48718	19.18544	3.49E-11	1.25E-08	3.97E-09	1.08E-14	3.25E-14	2.57E-14	0	0	0	0	1.745E-13	2.157E-12	3.96854E-09	1.10158E-14	0	5.49834E-15	0
439	570510.55	4178478.99	0.55, 41784	0.22079	0.17209	0.20548	113.44919	43.50567	135.70428	18.9082	6.17272	22.02345	4.16E-11	1.39E-08	4.45E-09	1.28E-14	3.88E-14	3.06E-14	0	0	0	0	2.081E-13	2.3946E-12	4.44711E-09	1.31346E-14	0	6.5559E-15	0
440	570550.55	4178478.99	0.55, 41784	0.2667	0.21004	0.24533	127.7059	48.20733	155.63974	21.28432	7.34053	25.62853	5.06E-11	1.56E-08	5.03E-09	1.56E-14	4.71E-14	3.72E-14	0	0	0	0	2.53E-13	2.6841E-12	5.02769E-09	1.59682E-14	0	7.97023E-15	0
441	570590.55	4178478.99	0.55, 41784	0.32931	0.26248	0.29831	144.67878	53.44745	182.17951	24.11313	8.81975	30.24215	6.29E-11	1.76E-08	5.73E-09	1.94E-14	5.86E-14	4.63E-14	0	0	0	0	3.146E-13	3.0299E-12	5.72721E-09	1.98612E-14	0	9.91335E-15	0
442	570630.55	4178478.99	0.55, 41784	0.42133	0.33962	0.37314	165.95931	60.05375	219.0797	27.65989	10.77683	36.51328	8.1E-11	2.02E-08	6.62E-09	2.5E-14	7.55E-14	5.96E-14	0	0	0	0	4.05E-13	3.4809E-12	6.61689E-09	2.55619E-14	0	1.27588E-14	0
443	570670.55	4178478.99	0.55, 41784	0.56746	0.46145	0.48445	193.36004	69.0612	272.47405	32.22667	13.5092	45.41234	1.09E-10	2.38E-08	7.78E-09	3.37E-14	1.02E-13	8.05E-14	0	0	0	0	5.468E-13	4.1038E-12	7.78381E-09	3.45142E-14	0	1.72272E-14	0
444	570710.55	4178478.99	0.55, 41784	0.83023	0.67528	0.66195	236.53606	81.84268	352.22256	39.07222	17.68943	58.70376	1.59E-10	2.91E-08	9.53E-09	4.9E-14	1.48E-13	1.17E-13	0	0	0	0	7.94E-13	5.0208E-12	9.53177E-09	5.01219E-14	0	2.50174E-14	0
445	570750.55	4178478.99	0.55, 41784	1.42426	1.12918	0.97629	342.03514	102.90165	482.1747	49.67165	25.1054	80.36245	2.63E-10	3.86E-08	1.23E-08	8.11E-14	2.45E-13	1.93E-13	0	0	0	0	1.315E-12	6.6482E-12	1.22662E-08	8.29786E-14	0	4.14173E-14	0
446	570790.55	4178478.99	0.55, 41784	3.63047	2.75084	1.62936	596.75244	187.47347	722.34167	107.7468	51.23422	120.39028	6.24E-10	6.57E-08	2.52E-08	1.93E-13	5.82E-13	4.6E-13	0	0	0	0	3.122E-12	1.132E-11	2.5209E-08	1.97069E-13	0	9.83636E-14	0
447	571030.55	4178478.99	0.55, 41784	9.40071	15.68167	11.18665	333.68631	267.08575	756.18793	81.11776	110.69164	178.64972	3.37E-09	7.57E-08	2.13E-08	1.04E-12	3.14E-12	2.48E-12	0	0	0	0	1.687E-11	1.3059E-11	2.12613E-08	1.065E-12	0	5.31577E-13	0
448	571070.55	4178478.99	0.55, 41784	5.59712	9.0131	6.53916	216.22006	204.77885	522.16381	54.58514	76.29745	101.00005	1.95E-09	5.58E-08	1.38E-08	6.01E-13	1.81E-12	1.43E-12	0	0	0	0	9.731E-12	9.6132E-12	1.38087E-08	6.14282E-13	0	3.06608E-13	0
449	571110.55	4178478.99	0.55, 41784	3.86033	5.8724	4.45436	232.77263	158.88759	526.3096	40.87392	60.11848	68.10823	1.28E-09	4.78E-08	1.01E-08	3.94E-13	1.19E-12	9.4E-13	0	0	0	0	6.388E-12	8.2332E-12	1.0145E-08	4.03215E-13	0	2.01257E-13	0
450	571150.55	4178478.99	0.55, 41784	2.87873	4.17215	3.24074	243.47288	131.88403	510.79766	36.94401	47.80365	68.59206	9.12E-10	4.26E-08	9.35E-09	2.82E-13	8.5E-13	6.72E-13	0	0	0	0	4.562E-12	7.3443E-12	9.35196E-09	2.87985E-13	0	1.43742E-13	0
451	571190.55	4178478.99	0.55, 41784	2.25924	3.11768	2.54212	272.99859	103.34976	495.79992	40.61499	35.56429	82.63332	6.87E-10	3.76E-08	1.05E-08	2.12E-13	6.4E-13	5.06E-13	0	0	0	0	3.436E-12	6.4765E-12	1.04686E-08	2.16893E-13	0	1.08258E-13	0
452	571230.55	4178478.99	0.55, 41784	1.86428	2.43731	2.04705	228.60917	88.43023	428.91859	34.9281	28.65964	53.61482	5.41E-10	3.22E-08	8.55E-09	1.67E-13	5.04E-13	3.98E-13	0	0	0	0	2.704E-12	5.5447E-12	8.5503E-09	1.70691E-13	0	8.51975E-14	0
453	571270.55	4178478.99	0.55, 41784	1.58233	1.95726	1.72288	275.18297	89.4878	451.79055	39.56066	24.38596	62.99097	4.38E-10	3.39E-08	9.74E-09	1.35E-13	4.08E-13	3.22E-13	0	0	0	0	2.191E-12	5.8471E-12	9.74308E-09	1.38277E-13	0	6.90185E-14	0
454	571310.55	4178478.99	0.55, 41784	1.35793	1.6065	1.5101	222.77943	77.47813	328.49847	32.82803	21.05024	46.46168	3.63E-10	2.74E-08	7.93E-09	1.12E-13	3.39E-13	2.67E-13	0	0	0	0	1.817E-12	4.7269E-12	7.9343E-09	1.1467E-13	0	5.72352E-14	0
455	571350.55	4178478.99	0.55, 41784	1.1642	1.33076	1.27594	210.30644	64.61424	297.95893	30.9494	18.13628	42.55235	3.02E-10	2.4E-08	7.45E-09	9.33E-14	2.82E-13	2.23E-13	0	0	0	0	1.512E-12	4.1371E-12	7.44782E-09	9.54502E-14	0	4.76422E-14	0
456	571390.55	4178478.99	0.55, 41784	1.001	1.11694	1.07653	187.8278	60.73144	278.37154	27.7002	15.35336	39.86006	2.54E-10	2.23E-08	6.71E-09	7.85E-14	2.37E-13	1.87E-13	0	0	0	0	1.272E-12	3.8458E-12	6.71195E-09	8.03158E-14	0	4.00882E-14	0
457	571430.55	4178478.99	0.55, 41784	0.8626	0.94616	0.9271	141.00765	57.76687	153.44465	20.99683	12.7525	23.01436	2.16E-10	1.75E-08	4.9E-09	6.67E-14	2.01E-13	1.59E-13	0	0	0	0	1.081E-12	3.0255E-12	4.90096E-09	6.82556E-14	0	3.40686E-14	0
458	571470.55	4178478.99	0.55, 41784	0.75511	0.81334	0.81471	85.41876	54.87579	110.14274	13.60469	11.10539	17.11986	1.87E-10	1.47E-08	3.23E-09	5.76E-14	1.74E-13	1.37E-13	0	0	0	0	9.332E-13	2.5412E-12	3.23279E-09	5.89084E-14	0	2.94031E-14	0
459	571510.55	4178478.99	0.55, 41784	0.666	0.70453	0.71826	104.54177	51.61661	121.24791	13.06772	9.4895	15.99878	1.62E-10	1.48E-08	3.09E-09	5.01E-14	1.51E-13	1.19E-13	0	0	0	0	8.112E-13	2.5557E-12	3.09364E-09	5.12082E-14	0	2.55597E-14	0
460	571550.55	4178478.99	0.55, 41784	0.58993	0.61436	0.63446	114.23468	47.78612	141.81512	14.27934	8.47335	17.72689	1.42E-10	1.49E-08	3.39E-09	4.38E-14	1.32E-13	1.04E-13	0	0	0	0	7.094E-13	2.5607E-12	3.38683E-09	4.47809E-14	0	2.23516E-14	0
461	571590.55	4178478.99	0.55, 41784	0.5248	0.5396	0.56365	114.71837	43.31659	143.69009	14.3398	7.89274	17.96126	1.25E-10	1.41E-08	3.41E-09	3.85E-14	1.16E-13	9.19E-14	0	0	0	0	6.246E-13	2.4288E-12	3.4053E-09	3.94275E-14	0	1.96795E-14	0
462	570310.55	4178518.99	0.55, 41785	0.10968	0.08323	0.10459	75.92481	30.95134	85.20389	12.65413	4.31611	14.20065	2.03E-11	9.49E-09	2.96E-09	6.27E-15	1.89E-14	1.5E-14	0	0	0	0	1.016E-13	1.6358E-12	2.96223E-09	6.41408E-15	0	3.20147E-15	0
463	570350.55	4178518.99	0.55, 41785	0.12253	0.09413	0.11632	80.98331	32.52203	91.70345	13.49722	4.56123	15.28391	2.29E-11	1.01E-08	3.16E-09	7.07E-15	2.13E-14	1.69E-14	0	0	0	0	1.145E-13	1.7328E-12	3.16314E-09	7.22806E-15	0	3.60776E-15	0
464	570390.55	4178518.99	0.55, 41785	0.13706	0.10653	0.12954	86.4192	34.09518	99.00991	14.4032	4.78567	16.50165	2.58E-11	1.06E-08	3.38E-09	7.97E-15	2.41E-14	1.9E-14	0	0	0	0	1.292E-13	1.8349E-12	3.38044E-09	8.15247E-15	0	4.06916E-15	0
465	570430.55	4178518.99	0.55, 41785	0.15657	0.12308	0.14711	93.48729	36.56809	108.68156	15.58121	5.11226	18.11359	2.97E-11	1.15E-08	3.66E-09	9.18E-15	2.77E-14	2.19E-14	0	0	0	0	1.487E-13	1.982E-12	3.66372E-09	9.38641E-15	0	4.68506E-15	0
466	570470.55	4178518.99	0.55, 41785	0.18113	0.14422	0.16907	101.65142	39.2669	120.52836	16.9419	5.47129	20.08806	3.47E-11	1.25E-08	3.99E-09	1.07E-14	3.23E-14	2.55E-14	0	0	0	0	1.736E-13	2.1499E-12	3.99385E-09	1.09563E-14	0	5.46862E-15	0
467	570510.55	4178518.99	0.55, 41785	0.21556	0.17373	0.19928	112.42418	43.21366	137.68321	18.73736	6.23491	22.9472	4.16E-11	1.39E-08	4.44E-09	1.29E-14	3.88E-14	3.07E-14	0	0	0	0	2.082E-13	2.3905E-12	4.43605E-09	1.3145E-14	0	6.56108E-15	0
468	570550.55	4178518.99	0.55, 41785	0.26244	0.21401	0.23948	127.39838	48.06291	159.66591	20.89373	7.26318	26.61098	5.11E-11	1.56E-08	4.97E-09	1.58E-14	4.76E-14	3.76E-14	0	0	0	0	2.554E-13	2.6964E-12	4.9731E-09	1.61233E-14	0	8.04764E-15	0
469	570590.55	4178518.99	0.55, 41785	0.32438	0.26815	0.29055	146.74921	52.55391	186.84388	23.05175	8.49659	31.14065	6.37E-11	1.76E-08	5.53E-09	1.96E-14	5.93E-14	4.69E-14	0	0	0	0	3.183E-13	3.0298E-12	5.53294E-09	2.00951E-14	0	1.00301E-14	0
470	570630.55	4178518.99	0.55, 41785	0.41604	0.34788	0.36203	170.82398	60.03664	221.85088	25.41079	10.076	36.97515	8.21E-11	2.04E-08	6.17E-09	2.53E-14	7.65E-14	6.04E-14	0	0	0	0	4.106E-13	3.5101E-12	6.16783E-09	2.59166E-14	0	1.29358E-14	0
471	570670.55	4178518.99	0.55, 41785	0.56352	0.47347	0.46761	210.6175	71.54419	266.74609	27.95974	12.2085	44.45768	1.11E-10	2.45E-08	6.88E-09	3.43E-14	1.03E-13	8.17E-14	0	0	0	0	5.553E-13	4.2188E-12	6.88439E-09	3.50495E-14	0	1.74943E-14	0
472	570710.55	4178518.99	0.55, 41785	0.82936	0.69158	0.6351	257.30872	94.91316	337.8148	32.16359	16.3308	53.60133	1.61E-10	3.16E-08	7.98E-09	4.97E-14	1.5E-13	1.19E-13	0	0	0	0	8.055E-13	5.4459E-12	7.98326E-09	5.08442E-14	0	2.5378E-14	0
473	570750.55	4178518.99	0.55, 41785	1.36529	1.13262	0.93188	327.60111	130.96882	473.41526	45.80096	29.91109	62.68561	2.61E-10	4.32E-08	1.1E-08	8.06E-14	2.43E-13	1.92E-13	0	0	0	0	1.306E-12	7.449E-12	1.10143E-08	8.2429E-14	0	4.1143E-14	0
474	570790.55	4178518.99	0.55, 41785	2.09469	1.90095	1.39228	339.24086	174.34023	730.67406	59.4987	49.70987	91.33426	4.3E-10	5.81E-08	1.46E-08	1.33E-13	4E-13	3.16E-13	0	0	0	0	2.149E-12	1.0019E-11	1.45652E-08	1.35652E-13	0	6.77081E-14	0
475	570990.55	4178518.99	0.55, 41785	30.9381	16.28557	11.79039	1645.60932	278.46944	1244.70182	444.29015	131.46412	279.7997	3.95E-09	1.18E-07	9.83E-08	1.22E-12	3.68E-12	2.91E-12	0	0	0	0	1.974E-11	2.0298E-11	9.83305E-08	1.24609E-12	0	6.21964E-13	0
476	571030.55	4178518.99	0.55, 41785	10.39533	8.05295	7.62595	575.07494	188.36146	999.69988	130.51861	75.45666	173.23921	1.9E-09	7.26E-08	3.12E-08	5.85E-13	1.77E-12	1.4E-12	0	0	0	0	9.486E-12	1.2511E-11	3.12476E-08	5.98765E-13	0	2.98863E-13	0
477	571070.55	4178518.99	0.55, 41785	5.62777	5.38206	5.21191	327.13066	151.27996	542.64793	61.45445	56.79768	91.26612	1.24E-09	4.87E-08	1.5E-08	3.84E-13	1.16E-12	9.15E-13	0	0	0	0	6.218E-12	8.4021E-12	1.49643E-08	3.92476E-13	0	1.95897E-13	0
478	571110.55	4178518.99	0.55, 41785	3.70135	3.92679	3.70614	194.51307	130.68512	402.95521	41.68788	44.49195	69.09918	8.96E-10	3.86E-08	1.03E-08	2.77E-13	8.35E-13	6.6E-13	0	0	0	0	4.482E-12	6.6489E-12	1.03375E-08	2.82913E-13	0	1.41211E-13	0
479	571150.55	4178518.99	0.55, 41785	2.69329	3.00723	2.77155	208.02281	103.35418	440.08145	30.40761	37.50867	55.01018	6.82E-10	3.48E-08	7.66E-09	2.1E-13	6.35E-13	5.02E-13	0	0	0	0	3.409E-12	5.995E-12	7.65984E-09	2.15191E-13	0	1.07409E-13	0
480	571190.55	4178518.99	0.55, 41785	2.08526	2.38411	2.19601	205.94825	100.14217	330.97092	32.90062	31.32752	44.74048	5.39E-10	3.13E-08	7.9E-09	1.66E-13	5.03E-13	3.97E-13	0	0	0	0	2.697E-12	5.3977E-12	7.90454E-09	1.70264E-13	0	8.49843E-14	0
481	571230.55	4178518.99	0.55, 41785	1.66362	1.91731	1.76389	215.41751	83.66277	360.55042	30.77393	25.17962	52.13444	4.34E-10	2.92E-08	7.66E-09	1.34E-13	4.04E-13	3.19E-13	0	0	0	0	2.168E-12	5.0403E-12	7.66035E-09	1.36822E-13	0	6.82922E-14	0
482	571270.55	4178518.99	0.55, 41785	1.38104	1.58176	1.44385	194.90891	74.63088	227.07234	31.16799	21.56574	34.54332	3.58E-10	2.37E-08	7.28E-09	1.1E-13	3.33E-13	2.63E-13	0	0	0	0	1.788E-12	4.0832E-12	7.28492E-09	1.1284E-13	0	5.6322E-14	0
483	571310.55	4178518.99	0.55, 41785	1.18628	1.33473	1.24995	227.7435	74.01926	353.91479	34.0231	18.88588	51.12416	3.03E-10	2.75E-08	8.3E-09	9.35E-14	2.82E-13	2.23E-13	0	0	0	0	1.515E-12	4.7484E-12	8.30019E-09	9.56129E-14	0	4.77234E-14	0
484	571350.55	4178518.99	0.55, 41785	1.02794	1.1349	1.10387	186.21806	66.32591	255.87469	28.09378	16.3212	37.6065	2.59E-10	2.27E-08	6.73E-09	7.99E-14	2.41E-13	1.91E-13	0	0	0	0	1.295E-12	3.9171E-12	6.73418E-09	8.17603E-14	0	4.08092E-14	0
485	571390.55	4178518.99	0.55, 41785	0.88898	0.96986	0.94947	165.64096	58.31983	230.86073	23.55305	14.40747	29.95608	2.22E-10	2.02E-08	5.6E-09	6.84E-14	2.07E-13	1.63E-13	0	0	0	0	1.109E-12	3.4774E-12	5.60498E-09	6.99896E-14	0	3.49341E-14	0
486	571430.55	4178518.99	0.55, 41785	0.7696	0.83467	0.8102	166.81635	54.79876	235.11797	23.72844	12.50769	32.6638	1.91E-10	1.97E-08	5.71E-09	5.89E-14	1.78E-13	1.4E-13	0	0	0	0	9.538E-13	3.3888E-12	5.71116E-09	6.02067E-14	0	3.00511E-14	0
487	571470.55	4178518.99	0.55, 41785	0.67066	0.72494	0.7032	138.40145	51.97552	171.46902	19.82816	10.73341	24.30543	1.66E-10	1.69E-08	4.69E-09	5.11E-14	1.54E-13	1.22E-13	0	0	0	0	8.286E-13	2.9128E-12	4.69488E-09	5.23023E-14	0	2.61057E-14	0
488	571510.55	4178518.99	0.55, 41785	0.58987	0.63439	0.62004	93.94363	49.66848	89.41667	13.736	9.50533	13.29785	1.45E-10	1.34E-08	3.16E-09	4.48E-14	1.35E-13	1.07E-13	0	0	0	0	7.26E-13	2.3136E-12	3.16058E-09	4.58272E-14	0	2.28738E-14	0
489	571550.55	4178518.99	0.55, 41785	0.52422	0.55926	0.55249	64.7066	47.53612	82.72316	9.81761	8.44297	11.85775	1.28E-10	1.22E-08	2.32E-09	3.96E-14	1.19E-13	9.44E-14	0	0	0	0	6.412E-13	2.1114E-12	2.32001E-09	4.04756E-14	0	2.02027E-14	0
490	571590.55	4178518.99	0.55, 41785	0.47148	0.49721	0.49682	75.39988	45.27823	83.60413	9.54319	7.49343	11.2302	1.14E-10	1.21E-08	2.25E-09	3.53E-14	1.06E-13	8.41E-14	0	0	0	0	5.714E-13	2.0818E-12	2.24749E-09	3.60664E-14	0	1.80019E-14	0
491	570310.55	4178558.99	0.55, 41785	0.10731	0.08405	0.10201	76.80272	30.54078	89.48595	12.80045	4.19275	14.91432	2.04E-11	9.54E-09	3.01E-09	6.28E-15	1.9E-14	1.5E-14	0	0	0	0	1.018E-13	1.645E-12	3.01073E-09	6.42512E-15	0	3.20698E-15	0
492	570350.55	4178558.99	0.55, 41785	0.11907	0.09438	0.11262	82.9813	31.5625	94.82328	13.39224	4.31782	15.80388	2.28E-11	1E-08	3.16E-09	7.03E-15	2.12E-14	1.68E-14	0	0	0	0	1.139E-13	1.7234E-12	3.15511E-09	7.18966E-15	0	3.58859E-15	0
493	570390.55	4178558.99	0.55, 41785	0.1339	0.10748	0.12591	90.55746	32.83588	101.05325	14.07263	4.47793	16.84221	2.58E-11	1.05E-08	3.32E-09	7.98E-15	2.41E-14	1.9E-14	0	0	0	0	1.292E-13	1.8188E-12	3.32151E-09	8.15731E-15	0	4.07157E-15	0
494	570430.55	4178558.99	0.55, 41785	0.15297	0.12443	0.14282	99.07784	34.42492	111.25467	14.88754	4.68196	18.0897	2.98E-11	1.13E-08	3.52E-09	9.2E-15	2.78E-14	2.19E-14	0	0	0	0	1.49E-13	1.9454E-12	3.52091E-09	9.40622E-15	0	4.69495E-15	0
495	570470.55	4178558.99	0.55, 41785	0.17711	0.14611	0.16369	108.3811	37.13833	125.77833	15.68816	5.10948	19.33096	3.48E-11	1.24E-08	3.72E-09	1.08E-14	3.25E-14	2.56E-14	0	0	0	0	1.742E-13	2.1298E-12	3.71722E-09	1.09958E-14	0	5.48836E-15	0
496	570510.55	4178558.99	0.55, 41785	0.21022	0.1758	0.19176	119.02071	41.74654	144.28309	16.67371	5.7123	20.76073	4.17E-11	1.39E-08	3.96E-09	1.29E-14	3.89E-14	3.07E-14	0	0	0	0	2.086E-13	2.397E-12	3.95632E-09	1.31688E-14	0	6.57298E-15	0
497	570550.55	4178558.99	0.55, 41785	0.25686	0.21737	0.22998	138.81712	48.97119	169.0217	17.78034	6.5378	22.20322	5.13E-11	1.63E-08	4.22E-09	1.58E-14	4.78E-14	3.78E-14	0	0	0	0	2.567E-13	2.8079E-12	4.22058E-09	1.62043E-14	0	8.08811E-15	0
498	570590.55	4178558.99	0.55, 41785	0.31921	0.27311	0.27901	158.95656	55.69599	196.40207	19.86957	7.90259	24.55026	6.42E-11	1.87E-08	4.71E-09	1.98E-14	5.98E-14	4.72E-14	0	0	0	0	3.209E-13	3.216E-12	4.70971E-09	2.02552E-14	0	1.011E-14	0
499	570630.55	4178558.99	0.55, 41785	0.41072	0.35398	0.34795	180.38278	65.18573	228.48167	22.54785	9.64997	28.56021	8.28E-11	2.17E-08	5.36E-09	2.55E-14	7.71E-14	6.09E-14	0	0	0	0	4.138E-13	3.7376E-12	5.36272E-09	2.61213E-14	0	1.3038E-14	0
500	570670.55	4178558.99	0.55, 41785	0.55178	0.47716	0.45068	218.05495	85.23197	290.43238	27.25687	14.02323	36.30405	1.11E-10	2.78E-08	6.53E-09	3.43E-14	1.03E-13	8.17E-14	0	0	0	0	5.552E-13	4.7861E-12	6.52885E-09	3.50487E-14	0	1.74939E-14	0
501	570710.55	4178558.99	0.55, 41785	0.78132	0.6809	0.62169	244.71244	105.12049	355.26836	32.595	21.74638	44.40855	1.58E-10	3.37E-08	7.83E-09	4.87E-14	1.47E-13	1.16E-13	0	0	0	0	7.889E-13	5.8031E-12	7.83328E-09	4.97988E-14	0	2.48562E-14	0
502	570750.55	4178558.99	0.55, 41785	1.13763	1.02831	0.92752	276.33124	124.7524	514.56755	39.47589	32.46528	64.32094	2.37E-10	4.21E-08	9.76E-09	7.32E-14	2.21E-13	1.75E-13	0	0	0	0	1.186E-12	7.2522E-12	9.7602E-09	7.4837E-14	0	3.73535E-14	0
503	570790.55	4178558.99	0.55, 41785	1.48115	1.46435	1.34156	285.306	157.20995	776.24295	43.19026	42.97795	97.64972	3.35E-10	5.5E-08	1.14E-08	1.03E-13	3.12E-13	2.47E-13	0	0	0	0	1.677E-12	9.4854E-12	1.1386E-08	1.05831E-13	0	5.28236E-14	0
504	570830.55	4178558.99	0.55, 41785	2.67811	2.99292	2.3948	342.02881	178.80856	871.65336	66.23843	64.34565	121.28867	6.69E-10	6.26E-08	1.67E-08	2.06E-13	6.23E-13	4.92E-13	0	0	0	0	3.345E-12	1.0801E-11	1.67236E-08	2.11175E-13	0	1.05404E-13	0
505	570950.55	4178558.99	0.55, 41785	26.55575	12.00196	5.05287	679.01352	318.67052	1487.06516	280.37281	116.3834	245.48668	2.89E-09	1.11E-07	6.38E-08	8.93E-13	2.7E-12	2.13E-12	0	0	0	0	1.447E-11	1.9201E-11	6.38396E-08	9.13158E-13	0	4.55786E-13	0
506	570990.55	4178558.99	0.55, 41785	10.52141	6.96087	4.44153	639.29991	205.65266	1371.69393	133.52138	75.6432	174.17097	1.62E-09	8.67E-08	3.19E-08	4.99E-13	1.51E-12	1.19E-12	0	0	0	0	8.08E-12	1.4953E-11	3.18873E-08	5.10022E-13	0	2.54568E-13	0
507	571030.55	4178558.99	0.55, 41785	6.12086	4.69941	3.63304	562.31532	143.87555	907.33173	97.52112	53.65332	135.00156	1.09E-09	6.17E-08	2.35E-08	3.35E-13	1.01E-12	8E-13	0	0	0	0	5.435E-12	1.0639E-11	2.34918E-08	3.43086E-13	0	1.71245E-13	0
508	571070.55	4178558.99	0.55, 41785	4.00501	3.46908	2.98955	291.75499	122.4909	364.39166	69.10596	41.80504	75.82917	8E-10	3.81E-08	1.61E-08	2.47E-13	7.45E-13	5.89E-13	0	0	0	0	3.999E-12	6.564E-12	1.61325E-08	2.52421E-13	0	1.25991E-13	0
509	571110.55	4178558.99	0.55, 41785	2.89394	2.70355	2.4438	288.47324	105.99812	437.78623	48.03981	36.46899	59.71453	6.22E-10	3.69E-08	1.14E-08	1.92E-13	5.79E-13	4.57E-13	0	0	0	0	3.108E-12	6.3565E-12	1.13962E-08	1.96163E-13	0	9.79112E-14	0
510	571150.55	4178558.99	0.55, 41785	2.21115	2.17534	2.01472	240.56187	97.79178	377.92847	31.90722	30.3701	47.66793	4.99E-10	3.28E-08	7.78E-09	1.54E-13	4.65E-13	3.67E-13	0	0	0	0	2.495E-12	5.6568E-12	7.77683E-09	1.57465E-13	0	7.85957E-14	0
511	571190.55	4178558.99	0.55, 41785	1.76303	1.79806	1.6955	177.14345	83.63267	264.27885	24.55859	26.34777	34.50528	4.12E-10	2.59E-08	5.93E-09	1.27E-13	3.84E-13	3.03E-13	0	0	0	0	2.059E-12	4.472E-12	5.92908E-09	1.29979E-13	0	6.48766E-14	0
512	571230.55	4178558.99	0.55, 41785	1.44054	1.50665	1.43503	192.87207	80.98435	306.26039	29.09943	22.26218	51.0434	3.45E-10	2.69E-08	7.29E-09	1.06E-13	3.21E-13	2.54E-13	0	0	0	0	1.723E-12	4.6319E-12	7.2888E-09	1.0879E-13	0	5.43005E-14	0
513	571270.55	4178558.99	0.55, 41785	1.19178	1.27042	1.20125	167.21575	71.42327	283.3883	22.32638	19.23301	35.42354	2.9E-10	2.4E-08	5.5E-09	8.95E-14	2.7E-13	2.13E-13	0	0	0	0	1.45E-12	4.1341E-12	5.49532E-09	9.15107E-14	0	4.56759E-14	0
514	571310.55	4178558.99	0.55, 41785	1.01245	1.08581	1.02025	169.23295	65.49002	155.67948	26.6418	16.91234	25.18935	2.48E-10	1.96E-08	6.11E-09	7.64E-14	2.31E-13	1.82E-13	0	0	0	0	1.238E-12	3.3818E-12	6.11451E-09	7.81199E-14	0	3.89921E-14	0
515	571350.55	4178558.99	0.55, 41785	0.8838	0.94242	0.90608	194.09519	63.64749	285.0024	28.90026	14.99354	40.61241	2.15E-10	2.31E-08	6.98E-09	6.65E-14	2.01E-13	1.59E-13	0	0	0	0	1.077E-12	3.9905E-12	6.97746E-09	6.80049E-14	0	3.39434E-14	0
516	571390.55	4178558.99	0.55, 41785	0.78025	0.82372	0.8159	158.10154	57.98385	206.74246	23.81897	12.89204	30.22211	1.89E-10	1.93E-08	5.67E-09	5.84E-14	1.76E-13	1.39E-13	0	0	0	0	9.456E-13	3.3319E-12	5.66639E-09	5.96864E-14	0	2.97914E-14	0
517	571430.55	4178558.99	0.55, 41785	0.68512	0.72115	0.71821	137.68904	52.2569	180.06144	18.93914	11.62385	25.68604	1.66E-10	1.72E-08	4.55E-09	5.11E-14	1.54E-13	1.22E-13	0	0	0	0	8.285E-13	2.9576E-12	4.54844E-09	5.22995E-14	0	2.61043E-14	0
518	571470.55	4178558.99	0.55, 41785	0.60049	0.63425	0.62389	143.56241	49.93485	187.32246	19.90478	10.29716	25.60594	1.45E-10	1.7E-08	4.74E-09	4.49E-14	1.36E-13	1.07E-13	0	0	0	0	7.275E-13	2.9373E-12	4.74431E-09	4.59201E-14	0	2.29202E-14	0
519	571510.55	4178558.99	0.55, 41785	0.52736	0.56045	0.5447	131.02036	47.72087	167.66109	18.26486	8.99798	23.11602	1.28E-10	1.59E-08	4.34E-09	3.96E-14	1.2E-13	9.44E-14	0	0	0	0	6.416E-13	2.7342E-12	4.34357E-09	4.05016E-14	0	2.02156E-14	0
520	571550.55	4178558.99	0.55, 41785	0.46874	0.49944	0.48529	99.50634	45.73793	109.0385	14.05158	8.03042	15.4257	1.14E-10	1.33E-08	3.28E-09	3.53E-14	1.07E-13	8.41E-14	0	0	0	0	5.716E-13	2.2964E-12	3.28046E-09	3.60838E-14	0	1.80106E-14	0
521	571590.55	4178558.99	0.55, 41785	0.42104	0.44786	0.43792	63.39282	43.98321	60.02596	9.17705	7.35207	9.24249	1.03E-10	1.1E-08	2.12E-09	3.17E-14	9.56E-14	7.55E-14	0	0	0	0	5.13E-13	1.8923E-12	2.12088E-09	3.23843E-14	0	1.61641E-14	0
522	570310.55	4178598.99	0.55, 41785	0.10507	0.08466	0.09914	83.25071	28.48032	95.05484	11.19876	3.62883	12.56574	2.03E-11	9.44E-09	2.62E-09	6.28E-15	1.9E-14	1.5E-14	0	0	0	0	1.017E-13	1.6275E-12	2.62149E-09	6.42343E-15	0	3.20564E-15	0
523	570350.55	4178598.99	0.55, 41785	0.11716	0.09561	0.10985	88.57329	30.33455	103.53599	11.44069	3.79182	12.942	2.29E-11	1.01E-08	2.68E-09	7.06E-15	2.13E-14	1.69E-14	0	0	0	0	1.145E-13	1.7434E-12	2.68084E-09	7.226E-15	0	3.60673E-15	0
524	570390.55	4178598.99	0.55, 41785	0.13131	0.10865	0.12235	93.2639	32.45644	112.44406	11.65799	4.05706	14.05551	2.59E-11	1.08E-08	2.75E-09	8E-15	2.41E-14	1.91E-14	0	0	0	0	1.296E-13	1.8674E-12	2.75427E-09	8.17924E-15	0	4.08252E-15	0
525	570430.55	4178598.99	0.55, 41785	0.15022	0.126	0.13878	103.53542	36.02365	122.12845	12.94193	4.50296	15.26606	2.99E-11	1.2E-08	3.05E-09	9.24E-15	2.79E-14	2.2E-14	0	0	0	0	1.497E-13	2.0608E-12	3.04885E-09	9.44644E-15	0	4.71502E-15	0

526	570470.55	4178598.99	0.55, 41785	0.17421	0.14819	0.15942	115.63183	39.91557	131.63773	14.45398	5.34922	16.45472	3.51E-11	1.32E-08	3.39E-09	1.08E-14	3.27E-14	2.58E-14	0	0	0	0	1.753E-13	2.2702E-12	3.38963E-09	1.10628E-14	0	5.5218E-15	0
527	570510.55	4178598.99	0.55, 41785	0.20799	0.17912	0.18803	128.15759	44.54205	154.67263	16.0197	6.36274	19.33408	4.22E-11	1.49E-08	3.79E-09	1.3E-14	3.93E-14	3.11E-14	0	0	0	0	2.11E-13	2.5649E-12	3.78526E-09	1.33168E-14	0	6.64682E-15	0
528	570550.55	4178598.99	0.55, 41785	0.25382	0.22088	0.22625	141.74172	51.90419	182.47104	17.71771	7.41488	22.80888	5.18E-11	1.72E-08	4.22E-09	1.6E-14	4.83E-14	3.81E-14	0	0	0	0	2.591E-13	2.9717E-12	4.22345E-09	1.6358E-14	0	8.16481E-15	0
529	570590.55	4178598.99	0.55, 41785	0.31442	0.27626	0.27638	161.8077	62.94071	207.9054	20.22596	8.27119	25.98817	6.46E-11	2.03E-08	4.82E-09	1.99E-14	6.02E-14	4.75E-14	0	0	0	0	3.229E-13	3.5078E-12	4.82006E-09	2.03855E-14	0	1.0175E-14	0
530	570630.55	4178598.99	0.55, 41785	0.39904	0.35395	0.34775	187.04764	77.01967	233.41259	23.38095	12.20463	29.17657	8.25E-11	2.41E-08	5.55E-09	2.55E-14	7.69E-14	6.07E-14	0	0	0	0	4.125E-13	4.1594E-12	5.54949E-09	2.60414E-14	0	1.29981E-14	0
531	570670.55	4178598.99	0.55, 41785	0.52025	0.46779	0.4567	203.91154	89.67976	314.96286	27.18561	17.16092	39.37036	1.09E-10	2.89E-08	6.59E-09	3.36E-14	1.01E-13	8.01E-14	0	0	0	0	5.441E-13	4.9865E-12	6.59376E-09	3.43466E-14	0	1.71435E-14	0
532	570710.55	4178598.99	0.55, 41785	0.68748	0.63563	0.62617	226.5911	101.22552	383.25212	32.37016	22.387	47.90652	1.48E-10	3.33E-08	7.88E-09	4.56E-14	1.38E-13	1.09E-13	0	0	0	0	7.381E-13	5.7397E-12	7.87791E-09	4.65886E-14	0	2.32539E-14	0
533	570750.55	4178598.99	0.55, 41785	0.91976	0.89022	0.88415	243.41497	114.05895	499.75889	34.77357	31.00996	69.4997	2.06E-10	3.9E-08	8.93E-09	6.36E-14	1.92E-13	1.52E-13	0	0	0	0	1.03E-12	6.7285E-12	8.93058E-09	6.50255E-14	0	3.24563E-14	0
534	570790.55	4178598.99	0.55, 41785	1.20615	1.22781	1.16033	261.32328	130.44037	537.17009	39.31654	39.06207	73.65107	2.81E-10	4.34E-08	9.97E-09	8.68E-14	2.62E-13	2.07E-13	0	0	0	0	1.407E-12	7.4802E-12	9.9695E-09	8.87921E-14	0	4.4319E-14	0
535	570830.55	4178598.99	0.55, 41785	1.86035	2.06593	1.53512	307.79075	158.37727	606.96091	57.33573	51.17396	80.52216	4.59E-10	5.13E-08	1.38E-08	1.42E-13	4.28E-13	3.38E-13	0	0	0	0	2.295E-12	8.8459E-12	1.38414E-08	1.4488E-13	0	7.23142E-14	0
536	570870.55	4178598.99	0.55, 41785	2.81953	3.8452	1.88016	429.66876	238.19724	679.18896	77.96533	87.47681	90.64703	8.16E-10	7.04E-08	1.83E-08	2.52E-13	7.6E-13	6E-13	0	0	0	0	4.079E-12	1.214E-11	1.83328E-08	2.57448E-13	0	1.28501E-13	0
537	570910.55	4178598.99	0.55, 41785	4.21414	6.38342	2.32175	555.65098	273.48442	945.27353	124.98504	103.73159	124.24769	1.32E-09	8.64E-08	2.88E-08	4.08E-13	1.23E-12	9.74E-13	0	0	0	0	6.619E-12	1.4902E-11	2.88427E-08	4.17791E-13	0	2.08533E-13	0
538	570950.55	4178598.99	0.55, 41785	4.59898	4.54538	2.28746	563.80012	195.03038	769.06119	96.52509	58.5202	125.1466	9.92E-10	6.76E-08	2.3E-08	3.06E-13	9.24E-13	7.3E-13	0	0	0	0	4.961E-12	1.1651E-11	2.30321E-08	3.1315E-13	0	1.56303E-13	0
539	570990.55	4178598.99	0.55, 41785	3.82228	3.4158	2.10211	387.45867	157.86758	722.29473	74.93195	45.58999	97.36969	7.63E-10	5.59E-08	1.79E-08	2.35E-13	7.11E-13	5.62E-13	0	0	0	0	3.816E-12	9.6304E-12	1.78854E-08	2.40862E-13	0	1.20222E-13	0
540	571030.55	4178598.99	0.55, 41785	3.02247	2.69987	1.99871	442.17309	124.03841	776.22539	67.82636	38.72372	97.59907	6.12E-10	5.22E-08	1.64E-08	1.89E-13	5.7E-13	4.5E-13	0	0	0	0	3.06E-12	8.9927E-12	1.64347E-08	1.93147E-13	0	9.64061E-14	0
541	571070.55	4178598.99	0.55, 41785	2.43201	2.20804	1.81695	323.32852	105.96293	523.5768	49.87717	32.54487	75.45431	5.04E-10	3.98E-08	1.22E-08	1.56E-13	4.7E-13	3.71E-13	0	0	0	0	2.522E-12	6.8637E-12	1.21811E-08	1.59194E-13	0	7.94586E-14	0
542	571110.55	4178598.99	0.55, 41785	1.9361	1.83698	1.53551	285.52756	89.63178	395.42144	42.26506	28.59229	57.87538	4.18E-10	3.27E-08	1.02E-08	1.29E-13	3.9E-13	3.08E-13	0	0	0	0	2.092E-12	5.6367E-12	1.01648E-08	1.32066E-13	0	6.59182E-14	0
543	571150.55	4178598.99	0.55, 41785	1.58315	1.55537	1.34493	182.41041	88.91432	301.39134	29.75311	25.20352	37.67392	3.54E-10	2.8E-08	7.08E-09	1.09E-13	3.3E-13	2.61E-13	0	0	0	0	1.771E-12	4.8246E-12	7.07607E-09	1.11819E-13	0	5.58125E-14	0
544	571190.55	4178598.99	0.55, 41785	1.33739	1.33597	1.20735	189.26194	77.8274	237.13522	24.55337	21.99349	31.52399	3.05E-10	2.44E-08	5.85E-09	9.42E-14	2.84E-13	2.25E-13	0	0	0	0	1.526E-12	4.2096E-12	5.8507E-09	9.63258E-14	0	4.80793E-14	0
545	571230.55	4178598.99	0.55, 41785	1.14183	1.1549	1.07779	177.02423	70.01737	247.02933	25.42204	18.83046	36.19826	2.64E-10	2.3E-08	6.15E-09	8.16E-14	2.46E-13	1.95E-13	0	0	0	0	1.322E-12	3.962E-12	6.14999E-09	8.34556E-14	0	4.16554E-14	0
546	571270.55	4178598.99	0.55, 41785	0.97959	1.00523	0.95378	160.46118	68.49541	236.51718	22.92303	16.81937	33.9008	2.3E-10	2.21E-08	5.58E-09	7.11E-14	2.15E-13	1.69E-13	0	0	0	0	1.151E-12	3.8074E-12	5.57814E-09	7.2675E-14	0	3.62744E-14	0
547	571310.55	4178598.99	0.55, 41785	0.84011	0.87488	0.82502	131.92842	62.86665	193.55215	16.49105	15.16442	24.19402	2E-10	1.93E-08	4.01E-09	6.17E-14	1.86E-13	1.47E-13	0	0	0	0	1E-12	3.3344E-12	4.00792E-09	6.31279E-14	0	3.15092E-14	0
548	571350.55	4178598.99	0.55, 41785	0.73896	0.77159	0.73066	149.85158	58.69155	153.82017	22.55392	13.49962	22.49489	1.76E-10	1.79E-08	5.21E-09	5.44E-14	1.64E-13	1.3E-13	0	0	0	0	8.822E-13	3.0882E-12	5.20667E-09	5.5687E-14	0	2.77952E-14	0
549	571390.55	4178598.99	0.55, 41785	0.661	0.68563	0.66671	168.50279	56.32456	235.09945	24.41155	12.10471	32.40344	1.57E-10	2E-08	5.84E-09	4.85E-14	1.47E-13	1.16E-13	0	0	0	0	7.866E-13	3.4432E-12	5.84443E-09	4.96545E-14	0	2.47842E-14	0
550	571430.55	4178598.99	0.55, 41785	0.59511	0.61204	0.61151	136.17098	51.76249	171.68803	20.03651	10.61326	24.28892	1.41E-10	1.68E-08	4.74E-09	4.35E-14	1.31E-13	1.04E-13	0	0	0	0	7.048E-13	2.8991E-12	4.73716E-09	4.4492E-14	0	2.22074E-14	0
551	571470.55	4178598.99	0.55, 41785	0.53051	0.54561	0.54811	117.9441	47.17442	154.11151	16.84916	9.40387	22.01593	1.26E-10	1.51E-08	4.02E-09	3.88E-14	1.17E-13	9.25E-14	0	0	0	0	6.287E-13	2.6095E-12	4.02484E-09	3.96872E-14	0	1.98091E-14	0
552	571510.55	4178598.99	0.55, 41785	0.47218	0.48877	0.48576	120.07824	45.51387	145.12306	16.38718	8.49605	19.65912	1.12E-10	1.46E-08	3.87E-09	3.47E-14	1.05E-13	8.28E-14	0	0	0	0	5.622E-13	2.5242E-12	3.86902E-09	3.54897E-14	0	1.7714E-14	0
553	571550.55	4178598.99	0.55, 41785	0.42043	0.43954	0.43052	119.99429	43.92883	151.34582	16.43506	7.56489	20.5622	1.01E-10	1.45E-08	3.9E-09	3.11E-14	9.4E-14	7.42E-14	0	0	0	0	5.043E-13	2.5014E-12	3.90225E-09	3.1836E-14	0	1.58903E-14	0
554	571590.55	4178598.99	0.55, 41785	0.37632	0.39688	0.38556	100.33698	42.40478	116.86516	13.86046	7.00095	16.11187	9.09E-11	1.29E-08	3.26E-09	2.81E-14	8.47E-14	6.69E-14	0	0	0	0	4.546E-13	2.2285E-12	3.25908E-09	2.86985E-14	0	1.43243E-14	0
555	570310.55	4178638.99	0.55, 41786	0.10356	0.08559	0.09711	83.92303	29.66661	96.15389	10.49038	3.70833	12.01924	2.04E-11	9.7E-09	2.46E-09	6.31E-15	1.9E-14	1.5E-14	0	0	0	0	1.022E-13	1.6725E-12	2.46211E-09	6.45001E-15	0	3.21941E-15	0
556	570350.55	4178638.99	0.55, 41786	0.1161	0.09716	0.10841	92.63397	32.60646	103.61771	11.57925	4.08084	12.95221	2.31E-11	1.06E-08	2.71E-09	7.13E-15	2.15E-14	1.7E-14	0	0	0	0	1.156E-13	1.8304E-12	2.70951E-09	7.2974E-15	0	3.64237E-15	0
557	570390.55	4178638.99	0.55, 41786	0.13068	0.11086	0.1215	100.54346	34.97331	116.66288	12.56793	4.70976	14.58286	2.63E-11	1.16E-08	2.95E-09	8.11E-15	2.45E-14	1.93E-14	0	0	0	0	1.314E-13	1.9923E-12	2.95447E-09	8.29667E-15	0	4.14113E-15	0
558	570430.55	4178638.99	0.55, 41786	0.14929	0.12834	0.13819	107.49924	37.52244	130.89362	13.4374	5.36035	16.3617	3.03E-11	1.25E-08	3.18E-09	9.36E-15	2.83E-14	2.23E-14	0	0	0	0	1.516E-13	2.1617E-12	3.17883E-09	9.57159E-15	0	4.77749E-15	0
559	570470.55	4178638.99	0.55, 41786	0.17443	0.15183	0.16061	116.62505	42.4162	145.19757	14.57813	6.05946	18.1497	3.58E-11	1.4E-08	3.46E-09	1.1E-14	3.33E-14	2.63E-14	0	0	0	0	1.788E-13	2.4138E-12	3.45904E-09	1.12857E-14	0	5.63303E-15	0
560	570510.55	4178638.99	0.55, 41786	0.20768	0.18277	0.19013	127.00459	48.18252	156.06863	15.87557	6.71257	19.50858	4.29E-11	1.56E-08	3.76E-09	1.32E-14	4E-14	3.16E-14	0	0	0	0	2.146E-13	2.6827E-12	3.76024E-09	1.35442E-14	0	6.76032E-15	0
561	570550.55	4178638.99	0.55, 41786	0.2504	0.22269	0.22841	148.76746	59.99627	172.72318	18.59593	7.58374	21.5904	5.21E-11	1.86E-08	4.37E-09	1.61E-14	4.86E-14	3.84E-14	0	0	0	0	2.607E-13	3.2103E-12	4.37187E-09	1.64586E-14	0	8.21499E-15	0
562	570590.55	4178638.99	0.55, 41786	0.30521	0.27478	0.27907	162.38276	69.4472	222.88998	20.29784	10.74133	27.86125	6.42E-11	2.19E-08	4.88E-09	1.98E-14	5.98E-14	4.72E-14	0	0	0	0	3.21E-13	3.7835E-12	4.88337E-09	2.02611E-14	0	1.0113E-14	0
563	570630.55	4178638.99	0.55, 41786	0.37839	0.34592	0.35098	177.15033	78.68271	266.26636	23.7109	14.16715	33.28329	8.07E-11	2.51E-08	5.72E-09	2.49E-14	7.52E-14	5.94E-14	0	0	0	0	4.034E-13	4.3237E-12	5.72363E-09	2.54657E-14	0	1.27107E-14	0
564	570670.55	4178638.99	0.55, 41786	0.47152	0.44129	0.44999	194.04584	86.02037	313.51443	27.72083	17.24466	39.1893	1.03E-10	2.8E-08	6.7E-09	3.17E-14	9.57E-14	7.56E-14	0	0	0	0	5.138E-13	4.8285E-12	6.69878E-09	3.24316E-14	0	1.61877E-14	0
565	570710.55	4178638.99	0.55, 41786	0.59058	0.57043	0.57865	207.44684	93.90742	372.29223	29.63526	21.88085	53.1846	1.32E-10	3.13E-08	7.45E-09	4.08E-14	1.23E-13	9.74E-14	0	0	0	0	6.618E-13	5.3898E-12	7.45417E-09	4.17738E-14	0	2.08506E-14	0
566	570750.55	4178638.99	0.55, 41786	0.7421	0.74424	0.7234	219.27007	107.04803	379.32522	31.3243	27.05481	52.15596	1.71E-10	3.41E-08	7.77E-09	5.29E-14	1.6E-13	1.26E-13	0	0	0	0	8.564E-13	5.8809E-12	7.77373E-09	5.40577E-14	0	2.69819E-14	0
567	570790.55	4178638.99	0.55, 41786	0.94425	0.97087	0.85006	237.37937	117.94026	412.19598	33.01145	30.70173	55.76703	2.21E-10	3.73E-08	8.21E-09	6.8E-14	2.05E-13	1.62E-13	0	0	0	0	1.103E-12	6.4387E-12	8.21322E-09	6.95966E-14	0	3.47379E-14	0
568	570830.55	4178638.99	0.55, 41786	1.23329	1.33292	0.96284	295.25944	130.22679	473.13116	42.69044	39.99654	61.26658	2.96E-10	4.24E-08	1.03E-08	9.14E-14	2.76E-13	2.18E-13	0	0	0	0	1.481E-12	7.3085E-12	1.03399E-08	9.34654E-14	0	4.66516E-14	0
569	570870.55	4178638.99	0.55, 41786	1.50989	1.73214	1.20169	317.24906	188.19869	615.93486	58.25942	53.82297	76.99186	3.82E-10	5.72E-08	1.39E-08	1.18E-13	3.56E-13	2.81E-13	0	0	0	0	1.908E-12	9.8672E-12	1.39392E-08	1.20446E-13	0	6.01185E-14	0
570	570910.55	4178638.99	0.55, 41786	1.78259	1.99297	1.30656	332.58479	179.86407	638.76492	63.94152	52.98497	79.84561	4.38E-10	5.66E-08	1.52E-08	1.35E-13	4.08E-13	3.22E-13	0	0	0	0	2.19E-12	9.7594E-12	1.5178E-08	1.38257E-13	0	6.90086E-14	0
571	570950.55	4178638.99	0.55, 41786	1.86524	1.94862	1.2876	326.77204	147.92341	425.10208	57.64661	41.4452	82.66786	4.31E-10	4.51E-08	1.4E-08	1.33E-13	4.02E-13	3.17E-13	0	0	0	0	2.156E-12	7.7686E-12	1.39608E-08	1.36064E-13	0	6.79141E-14	0
572	570990.55	4178638.99	0.55, 41786	1.76592	1.78245	1.25006	311.73236	122.31574	573.48464	43.80696	33.57582	91.70195	3.97E-10	4.39E-08	1.14E-08	1.23E-13	3.7E-13	2.93E-13	0	0	0	0	1.987E-12	7.5648E-12	1.13581E-08	1.25444E-13	0	6.26131E-14	0
573	571030.55	4178638.99	0.55, 41786	1.5977	1.58915	1.17717	263.38378	106.70114	334.97263	40.88022	26.80487	57.79917	3.56E-10	3.38E-08	9.88E-09	1.1E-13	3.32E-13	2.62E-13	0	0	0	0	1.782E-12	5.8294E-12	9.87893E-09	1.12506E-13	0	5.61551E-14	0
574	571070.55	4178638.99	0.55, 41786	1.42629	1.41473	1.18099	323.91584	92.06505	516.79706	44.84431	24.93328	64.76299	3.21E-10	3.71E-08	1.09E-08	9.9E-14	2.99E-13	2.36E-13	0	0	0	0	1.604E-12	6.394E-12	1.08721E-08	1.01272E-13	0	5.05481E-14	0
575	571110.55	4178638.99	0.55, 41786	1.27265	1.25146	1.07066	231.49813	85.11921	353.08688	34.4516	22.95032	48.16161	2.85E-10	2.96E-08	8.31E-09	8.79E-14	2.65E-13	2.1E-13	0	0	0	0	1.424E-12	5.1108E-12	8.3112E-09	8.98688E-14	0	4.48564E-14	0
576	571150.55	4178638.99	0.55, 41786	1.10067	1.1079	0.9372	235.36335	78.49538	345.02109	33.92291	20.75102	48.66179	2.51E-10	2.83E-08	8.22E-09	7.75E-14	2.34E-13	1.85E-13	0	0	0	0	1.256E-12	4.8781E-12	8.21579E-09	7.93023E-14	0	3.95823E-14	0
577	571190.55	4178638.99	0.55, 41786	0.96404	0.98605	0.85109	150.10185	73.9658	197.92558	22.00887	18.66835	28.93746	2.24E-10	2.19E-08	5.26E-09	6.9E-14	2.08E-13	1.65E-13	0	0	0	0	1.119E-12	3.7715E-12	5.26202E-09	7.06173E-14	0	3.52474E-14	0
578	571230.55	4178638.99	0.55, 41786	0.85847	0.87787	0.78438	130.71922	65.23747	181.52397	20.98447	16.26127	28.21366	2E-10	1.94E-08	5.03E-09	6.17E-14	1.86E-13	1.47E-13	0	0	0	0	9.995E-13	3.3516E-12	5.03326E-09	6.30894E-14	0	3.14899E-14	0
579	571270.55	4178638.99	0.55, 41786	0.76521	0.78388	0.72231	147.71702	61.52416	210.17535	22.46264	14.29709	35.02922	1.79E-10	1.99E-08	5.51E-09	5.52E-14	1.67E-13	1.32E-13	0	0	0	0	8.952E-13	3.4225E-12	5.51303E-09	5.65052E-14	0	2.82035E-14	0
580	571310.55	4178638.99	0.55, 41786	0.67814	0.70066	0.65218	136.41117	59.8434	199.34802	17.34958	13.40052	24.9185	1.6E-10	1.9E-08	4.2E-09	4.94E-14	1.49E-13	1.18E-13	0	0	0	0	8.004E-13	3.2803E-12	4.2027E-09	5.05218E-14	0	2.5217E-14	0
581	571350.55	4178638.99	0.55, 41786	0.60279	0.6273	0.58324	124.67819	56.4143	162.56927	15.58477	12.33978	20.32116	1.43E-10	1.72E-08	3.72E-09	4.42E-14	1.33E-13	1.05E-13	0	0	0	0	7.16E-13	2.9649E-12	3.7217E-09	4.51983E-14	0	2.25599E-14	0
582	571390.55	4178638.99	0.55, 41786	0.54567	0.56561	0.53406	134.64293	53.30447	146.45838	19.4501	11.04071	20.47738	1.29E-10	1.64E-08	4.52E-09	3.99E-14	1.21E-13	9.52E-14	0	0	0	0	6.469E-13	2.8298E-12	4.5181E-09	4.08344E-14	0	2.03818E-14	0
583	571430.55	4178638.99	0.55, 41786	0.50035	0.51255	0.49968	147.79016	50.85435	197.85336	20.77571	9.97795	26.64502	1.18E-10	1.76E-08	4.95E-09	3.63E-14	1.1E-13	8.67E-14	0	0	0	0	5.889E-13	3.0288E-12	4.94979E-09	3.71709E-14	0	1.85532E-14	0
584	571470.55	4178638.99	0.55, 41786	0.45884	0.46513	0.46599	118.76181	47.03177	145.5886	16.94782	8.9119	19.9832	1.07E-10	1.49E-08	3.99E-09	3.31E-14	1E-13	7.9E-14	0	0	0	0	5.365E-13	2.5698E-12	3.99235E-09	3.38658E-14	0	1.69035E-14	0
585	571510.55	4178638.99	0.55, 41786	0.41516	0.4204	0.42431	105.04191	43.02213	132.76114	15.00599	7.61313	18.96588	9.71E-11	1.35E-08	3.57E-09	3E-14	9.04E-14	7.14E-14	0	0	0	0	4.854E-13	2.336E-12	3.56791E-09	3.06376E-14	0	1.52922E-14	0
586	571550.55	4178638.99	0.55, 41786	0.37489	0.38245	0.3824	101.59712	41.64808	125.74417	13.25702	7.0054	15.71802	8.82E-11	1.3E-08	3.13E-09	2.72E-14	8.21E-14	6.49E-14	0	0	0	0	4.408E-13	2.2487E-12	3.12516E-09	2.78241E-14	0	1.38879E-14	0
587	571590.55	4178638.99	0.55, 41786	0.33863	0.34937	0.34405	106.83121	40.48294	130.44071	14.45913	6.53587	17.55635	8.03E-11	1.31E-08	3.42E-09	2.48E-14	7.48E-14	5.91E-14	0	0	0	0	4.016E-13	2.2514E-12	3.41926E-09	2.53492E-14	0	1.26526E-14	0
588	570310.55	4178678.99	0.55, 41786	0.10291	0.0869	0.09701	88.39628	30.98258	103.31105	11.04953	4.21243	12.91388	2.07E-11	1.02E-08	2.6E-09	6.38E-15	1.93E-14	1.52E-14	0	0	0	0	1.033E-13	1.7623E-12	2.59993E-09	6.52111E-15	0	3.25489E-15	0
589	570350.55	4178678.99	0.55, 41786	0.11574	0.09888	0.10892	93.23081	33.32166	112.3331	11.65385	4.76024	14.04164	2.34E-11	1.1E-08	2.75E-09	7.23E-15	2.18E-14	1.73E-14	0	0	0	0	1.172E-13	1.8943E-12	2.75306E-09	7.39924E-15	0	3.6932E-15	0
590	570390.55	4178678.99	0.55, 41786	0.13137	0.11361	0.12342	99.39798	36.831	119.21549	12.42475	5.26157	14.90194	2.69E-11	1.19E-08	2.93E-09	8.29E-15	2.5E-14	1.98E-14	0	0	0	0	1.343E-13	2.0586E-12	2.93339E-09	8.47681E-15	0	4.23105E-15	0
591	570430.55	4178678.99	0.55, 41786	0.15074	0.13191	0.14135	105.99103	39.73692	126.723	13.24888	5.6767	15.84037	3.11E-11	1.28E-08	3.13E-09	9.6E-15	2.9E-14	2.29E-14	0	0	0	0	1.555E-13	2.208E-12	3.12667E-09	9.81455E-15	0	4.89875E-15	0
592	570470.55	4178678.99	0.55, 41786	0.17494	0.15487	0.16378	121.69462	47.75873	135.7735	15.21183	5.96984	16.97169	3.64E-11	1.48E-08	3.56E-09	1.12E-14	3.39E-14	2.68E-14	0	0	0	0	1.821E-13	2.5595E-12	3.55839E-09	1.14917E-14	0	5.73588E-15	0
593	570510.55	4178678.99	0.55, 41786	0.2057	0.18414	0.19253	135.37794	56.46386	170.3708	16.92224	7.12807	21.29635	4.32E-11	1.76E-08	4.02E-09	1.33E-14	4.02E-14	3.18E-14	0	0	0	0	2.159E-13	3.0397E-12	4.02116E-09	1.36305E-14	0	6.80342E-15	0
594	570550.55	4178678.99	0.55, 41786	0.2434	0.22078	0.22908	142.10791	62.60325	200.29273	17.76349	9.55219	25.03659	5.17E-11	1.97E-08	4.29E-09	1.59E-14	4.81E-14	3.8E-14	0	0	0	0	2.583E-13	3.3926E-12	4.29061E-09	1.63071E-14	0	8.13941E-15	0
595	570590.55	4178678.99	0.55, 41786	0.29132	0.2684	0.27784	157.44437	70.02377	210.9671	21.20731	12.01595	26.37089	6.27E-11	2.16E-08	5.03E-09	1.93E-14	5.84E-14	4.61E-14	0	0	0	0	3.135E-13	3.7309E-12	5.03115E-09	1.97891E-14	0	9.87738E-15	0
596	570630.55	4178678.99	0.55, 41786	0.34871	0.32823	0.33909	170.78411	74.6949	263.98396	24.39773	14.09383	33.40233	7.65E-11	2.42E-08	5.87E-09	2.36E-14	7.13E-14	5.63E-14	0	0	0	0	3.825E-13	4.164E-12	5.8675E-09	2.41453E-14	0	1.20517E-14	0
597	570670.55	4178678.99	0.55, 41786	0.41782	0.40379	0.41108	181.29369	80.27499	295.25985	25.8991	15.99045	42.12286	9.37E-11	2.62E-08	6.4E-09	2.89E-14	8.73E-14	6.9E-14	0	0	0	0	4.686E-13	4.5187E-12	6.40143E-09	2.95809E-14	0	1.47648E-14	0
598	570710.55	4178678.99	0.55, 41786	0.49876	0.49687	0.48618	185.88712	90.92914	287.65142	26.5553	19.21501	39.31628	1.15E-10	2.81E-08	6.46E-09	3.53E-14	1.07E-13	8.43E-14	0	0	0	0	5.725E-13	4.8396E-12	6.46315E-09	3.61382E-14	0	1.80377E-14	0
599	570750.55	4178678.99	0.55, 41786	0.59336	0.60818	0.55751	195.07014	97.11431	330.72411	27.40212	20.89244	45.57898	1.39E-10	3.05E-08	6.8E-09	4.28E-14	1.29E-13	1.02E-13	0	0	0	0	6.941E-13	5.2615E-12	6.79916E-09	4.38141E-14	0	2.1869E-14	0
600	570790.55	4178678.99	0.55, 41786	0.71288	0.74367	0.61675	232.56486	100.08812	327.08033	29.70634	25.09865	40.88504	1.68E-10	3.17E-08	7.15E-09	5.18E-14	1.56E-13	1.23E-13	0	0	0	0	8.39E-13	5.4738E-12	7.14976E-09	5.29603E-14	0	2.64342E-14	0
601	570830.55	4178678.99	0.55, 41786	0.82835	0.8948	0.66469	250.25968	113.32691	367.70207	36.36599	33.16876	46.21837	1.99E-10	3.56E-08	8.65E-09	6.15E-14	1.86E-13	1.47E-13	0	0	0	0	9.964E-13	6.1393E-12	8.65323E-09	6.28969E-14	0	3.13939E-14	0
602	570870.55	4178678.99	0.55, 41786	0.92801	1.04065	0.83445	269.45277	158.88347	492.55659	39.41339	35.15016	62.53118	2.33E-10	4.76E-08	9.7E-09	7.18E-14	2.17E-13	1.71E-13	0	0	0	0	1.163E-12	8.2133E-12	9.70097E-09	7.34201E-14	0	3.66463E-14	0
603	570910.55	4178678.99	0.55, 41786	1.03394	1.13081	0.83809	259.70616	144.94226	471.11442	42.20689	35.5523	58.8893	2.52E-10	4.43E-08	1.02E-08	7.76E-14	2.34E-13	1.85E-13	0	0	0	0	1.258E-12	7.6397E-12	1.01792E-08	7.93863E-14	0	3.96243E-14	0
604	570950.55	4178678.99	0.55, 41786	1.05684	1.13643	0.82319	242.80014	123.49716	418.67106	39.92153	30.15323	58.18912	2.53E-10	3.86E-08	9.69E-09	7.8E-14	2.35E-13	1.86E-13	0	0	0	0	1.263E-12	6.6635E-12	9.69252E-09	7.97411E-14	0	3.98013E-14	0
605	570990.55	4178678.99	0.55, 41786	1.01802	1.09421	0.82722	255.86386	105.93706	407.98363	37.15781	26.85338	67.99727	2.44E-10	3.54E-08	9.38E-09	7.53E-14	2.28E-13	1.8E-13	0	0	0	0	1.221E-12	6.1047E-12	9.38036E-09	7.70648E-14	0	3.84655E-14	0
606	571030.55	4178678.99	0.55, 41786	0.98373	1.03259	0.8073	224.24787	96.85684	406.17161	32.03518	21.71644	50.77145	2.32E-10	3.3E-08	7.88E-09	7.15E-14	2.16E-13	1.7E-13	0	0	0	0	1.158E-12	5.695E-12	7.88354E-09	7.30941E-14	0	3.64836E-14	0
607	571070.55	4178678.99	0.55, 41786	0.92088	0.95493	0.77727	234.21131	81.25508	306.97474	29.84103	18.74017	38.37184	2.15E-10	2.78E-08	7.11E-09	6.64E-14	2.01E-13	1.58E-13	0	0	0	0	1.076E-12	4.7915E-12	7.1122E-09	6.79208E-14	0	3.39015E-14	0
608	571110.55	4178678.99	0.55, 41786	0.85296	0.87816	0.75636	249.82687	76.90023	376.11255	32.83771	18.41049	47.06858	1.99E-10	2.91E-08	7.95E-09	6.14E-14	1.86E-13	1.47E-13	0	0	0	0	9.955E-13	5.0182E-12	7.95202E-09	6.28408E-14	0	3.13659E-14	0
609	571150.55	4178678.99	0.55, 41786	0.78449	0.80428	0.7091	184.12399	71.8753	265.86204	26.94504	17.68151	37.98029	1.83E-10	2.4E-08	6.51E-09	5.64E-14	1.7E-13	1.35E-13	0	0	0	0	9.142E-13	4.1306E-12	6.5084E-09	5.77095E-14	0	2.88047E-14	0
610	571190.55	4178678.99	0.55, 41786	0.70872	0.73542	0.64227	192.12547	69.23049	267.93218	27.25383	16.04767	37.1098	1.67E-10	2.37E-08	6.55E-09	5.15E-14	1.55E-13	1.23E-13	0	0	0	0	8.343E-13	4.0844E-12	6.54912E-09	5.26622E-14	0	2.62854E-14	0
611	571230.55	4178678.99	0.55, 41786	0.64141	0.6715	0.58509	152.95792	62.82263	210.7281	21.78847	14.44714	29.62503	1.52E-10	2.02E-08	5.23E-09	4.7E-14	1.42E-13	1.12E-13	0	0	0	0	7.61E-13	3.485E-12	5.23468E-09	4.80365E-14	0	2.39766E-14	0
612	571270.55	4178678.99	0.55, 41786	0.5854	0.61191	0.54631	124.65244	57.66905	171.62004	20.54509	12.75642	28.60334	1.39E-10	1.77E-08	4.95E-09	4.29E-14	1.3E-13	1.02E-13	0	0	0	0	6.953E-13	3.0452E-12	4.9533E-09	4.38872E-14	0	2.19055E-14	0
613	571310.55	4178678.99	0.55, 41786	0.53447	0.5582	0.50849	125.80787	55.1913	171.33448	17.97255	11.70277	24.47635	1.27E-10	1.72E-08	4.32E-09	3.92E-14	1.18E-13	9.36E-14	0	0	0	0	6.356E-13	2.9693E-12	4.31893E-09	4.01209E-14	0	2.00256E-14	0
614	571350.55	4178678.99	0.55, 41786	0.48504	0.50906	0.46427	111.39997	53.56601	157.83086	13.925	11.19981	19.72886	1.16E-10	1.63E-08	3.37E-09	3.58E-14	1.08E-13	8.53E-14	0	0	0	0	5.795E-13	2.8058E-12	3.36611E-09	3.65778E-14	0	1.82572E-14	0
615	571390.55	4178678.99	0.55, 41786	0.44312	0.4655	0.42576	107.51836	51.27371	117.14548	13.43979	10.40254	14.64318	1.06E-10	1.47E-08	3.13E-09	3.27E-14	9.88E-14	7.8E-14	0	0	0	0	5.3E-13	2.5372E-12	3.13475E-09	3.34551E-14	0	1.66985E-14	0
616	571430.55	4178678.99	0.55, 41786	0.41031	0.42684	0.39928	122.12368	48.88835	136.65658	17.23844	9.36082	18.91196	9.75E-11	1.51E-08	4.02E-09	3.01E-14	9.09E-14	7.18E-14	0	0	0	0	4.875E-13	2.6009E-12	4.02414E-09	3.07755E-14	0	1.5361E-14	0
617	571470.55	4178678.99	0.55, 41786	0.38401	0.39267	0.38101	130.83453	46.56818	169.29762	18.03085	8.50414	22.62935	9.02E-11	1.57E-08	4.28E-09	2.78E-14	8.4E-14	6.64E-14	0	0	0	0	4.51E-13	2.7043E-12	4.28298E-09	2.84668E-14	0	1.42087E-14	0
618	571510.55	4178678.99	0.55, 41786	0.35733	0.36026	0.36021	104.69184	43.30646	125.50481	14.57371	7.68103	16.95061	8.31E-11	1.34E-08	3.43E-09	2.57E-14	7.75E-14	6.12E-14	0	0	0	0	4.156E-13	2.3113E-12	3.42704E-09	2.62372E-14	0	1.30958E-14	0
619	571550.55	4178678.99	0.55, 41786	0.32923	0.33046	0.33426	93.91251	40.06683	115.0705	13.41607	6.60436	16.43864	7.64E-11	1.23E-08	3.18E-09	2.36E-14	7.12E-14	5.62E-14	0	0	0	0	3.819E-13	2.1232E-12	3.17646E-09	2.41079E-14	0	1.2033E-14	0
620	571590.55	4178678.99	0.55, 41786	0.30119	0.30402	0.3057	90.51235	37.8645	108.48539	11.49242	5.95997	13.56067	7.02E-11	1.17E-08	2.71E-09	2.17E-14	6.54E-14	5.17E-14	0	0	0	0	3.509E-13	2.0116E-12	2.70749E-09	2.21531E-14	0	1.10573E-14	0
621	570310.55	4178718.99	0.55, 41787	0.10285	0.08839	0.09803	86.08959	31.99227	98.88317	10.7612	4.57032	12.3604	2.1E-11	1.02E-08	2.53E-09	6.47E-15	1.95E-14	1.54E-14	0	0	0	0	1.048E-13	1.7664E-12	2.52647E-09	6.61571E-15	0	3.30211E-15	0
622	570350.55	4178718.99	0.55, 41787	0.11563	0.10049	0.11012	90.6137	34.18211	105.82439	11.32671	4.88316	13.22805	2.38E-11	1.09E-08	2.66E-09	7.33E-15	2.21E-14	1.75E-14	0	0	0	0	1.188E-13	1.8831E-12	2.6649E-09	7.50196E-15	0	3.74447E-15	0
623	570390.55	4178718.99	0.55, 41787	0.13114	0.11521	0.12472	102.01088	38.97546	110.90458	12.75136	5.08393	13.86307	2.72E-11	1.22E-08	2.97E-09	8.39E-15	2.53E-14	2E-14	0	0	0	0	1.359E-13	2.0989E-12	2.9734E-09	8.57899E-15	0	4.28205E-15	0
624	570430.55	4178718.99	0.55, 41787	0.15	0.13322	0.1425	114.28488	46.41789	135.81295	14.28561	5.80224	16.97662	3.14E-11	1.44E-08	3.37E-09	9.67E-15	2.92E-14	2.31E-14	0	0	0	0	1.568E-13	2.4906E-12	3.36865E-09	9.89529E-15	0	4.93906E-15	0
625	570470.55	4178718.99	0.55, 41787	0.17288	0.1553	0.16447	122.16306	52.59309	158.80652	15.27038	6.67803	19.85082	3.65E-11	1.63E-08	3.65E-09	1.13E-14	3.4E-14	2.68E-14	0	0	0	0	1.823E-13	2.8177E-12	3.64506E-09	1.15089E-14	0	5.74445E-15	0
626	570510.55	4178718.99	0.55, 41787	0.1999	0.18201	0.19124	126.87173	56.8638	170.00598	15.85897	8.56143	21.25075	4.26E-11	1.75E-08	3.8E-09	1.32E-14	3.97E-14	3.14E-14	0	0	0	0	2.132E-13	3.0203E-12	3.80202E-09	1.34581E-14	0	6.71737E-15	0
627	570550.55	4178718.99	0.55, 41787	0.2328	0.21534	0.22528	141.7684	62.68438	190.3461	19.27806	10.36338	23.79326	5.03E-11	1.94E-08	4.57E-09	1.55E-14	4.69E-14	3.71E-14	0	0	0	0	2.517E-13	3.3494E-12	4.56883E-09	1.58903E-14	0	7.93135E-15	0
628	570590.55	4178718.99	0.55, 41787	0.2704	0.25529	0.2651	152.6333	65.86327	220.26265	21.80476	11.76563	29.62209	5.95E-11	2.1E-08	5.24E-09	1.84E-14	5.55E-14	4.38E-14	0	0	0	0	2.976E-13	3.6231E-12	5.23794E-09	1.87855E-14	0	9.37644E-15	0
629	570630.55	4178718.99	0.55, 41787	0.31352	0.30328	0.30884	160.25221	70.5161	243.59554	22.89317	12.52474	34.32359	7.04E-11	2.26E-08	5.58E-09	2.17E-14	6.56E-14	5.18E-14	0	0	0	0	3.52E-13	3.9024E-12	5.58298E-09	2.22165E-14	0	1.1089E-14	0
630	570670.55	4178718.99	0.55, 41787	0.36149	0.3594	0.35242	159.13882	79.23774	228.99362	22.73412	14.05012	31.24302	8.29E-11	2.38E-08	5.47E-09	2.56E-14	7.72E-14	6.1E-14	0	0	0	0	4.143E-13	4.1102E-12	5.47048E-09	2.61506E-14	0	1.30526E-14	0
631	570710.55	4178718.99	0.55, 41787	0.41184	0.42167	0.39325	168.39934	82.78202	268.08178	23.84947	15.22445	37.49142	9.64E-11	2.57E-08	5.86E-09	2.98E-14	8.98E-14	7.1E-14	0	0	0	0	4.822E-13	4.4307E-12	5.86117E-09	3.04355E-14	0	1.51913E-14	0
632	570750.55	4178718.99	0.55, 41787	0.46631	0.48852	0.43046	193.26616	81.97611	266.60906	24.83922	16.78199	33.32613	1.11E-10	2.6E-08	5.96E-09	3.42E-14	1.03E-13	8.16E-14	0	0	0	0	5.542E-13	4.4875E-12	5.95603E-09	3.49841E-14	0	1.74617E-14	0
633	570790.55	4178718.99	0.55, 41787	0.5297	0.5627	0.45402	208.56721	92.88706	267.98327	26.09236	23.00092	33.50993	1.26E-10	2.84E-08	6.22E-09	3.9E-14	1.18E-13	9.31E-14	0	0	0	0	6.322E-13	4.895E-12	6.21767E-09	3.99055E-14	0	1.99181E-14	0
634	570830.55	4178718.99	0.55, 41787	0.58417	0.63922	0.49731	206.25232	102.59816	258.13483	28.9378	25.69667	32.26685	1.43E-10	2.99E-08	6.77E-09	4.41E-14	1.33E-13	1.05E-13	0	0	0	0	7.139E-13	5.1511E-12	6.76872E-09	4.50661E-14	0	2.24939E-14	0
635	570870.55	4178718.99	0.55, 41787	0.63384	0.71183	0.60618	208.40577	136.85909	408.7133	28.70976	24.7437	51.08916	1.6E-10	4.01E-08	7.21E-09	4.94E-14	1.49E-13	1.18E-13	0	0	0	0	8.001E-13	6.9204E-12	7.21011E-09	5.05047E-14	0	2.52085E-14	0
636	570910.55	4178718.99	0.55, 41787	0.68401	0.75343	0.58123	211.07044	124.31957	366.90455	30.70854	25.49482	45.86307	1.68E-10	3.68E-08	7.48E-09	5.19E-14	1.57E-13	1.24E-13	0	0	0	0	8.404E-13	6.3447E-12	7.4843E-09	5.3048E-14	0	2.6478E-14	0
637	570950.55	4178718.99	0.55, 41787	0.69007	0.76497	0.57081	207.10313	108.18225	376.87466	30.79195	24.65468	47.10933	1.7E-10	3.4E-08	7.53E-09	5.25E-14	1.58E-13	1.25E-13	0	0	0	0	8.503E-13	5.8625E-12	7.53372E-09	5.36735E-14	0	2.67901E-14	0
638	570990.55	4178718.99	0.55, 41787	0.68048	0.74999	0.58632	206.58356	95.47159	294.44278	32.17827	21.60129	36.80535	1.68E-10	2.95E-08	7.55E-09	5.17E-14	1.56E-13	1.23E-13	0	0	0	0	8.375E-13	5.0883E-12	7.55068E-09	5.28666E-14	0	2.63874E-14	0
639	571030.55	4178718.99	0.55, 41787	0.66194	0.72353	0.59736	210.3532	86.11281	328.15995	30.372	18.42489	51.15716	1.63E-10	2.87E-08	7.55E-09	5.02E-14	1.51E-13	1.2E-13	0	0	0	0	8.126E-13	4.9552E-12	7.55262E-09	5.12969E-14	0	2.56039E-14	0
640	571070.55	4178718.99	0.55, 41787	0.64029	0.68839	0.56269	181.70859	76.31707	252.84162	22.73215	15.52213	31.6052	1.55E-10	2.44E-08	5.48E-09	4.77E-14	1.44E-13	1.14E-13	0	0	0	0	7.735E-13	4.2048E-12	5.47947E-09	4.8828E-14	0	2.43716E-14	0
641	571110.55	4178718.99	0.55, 41787	0.60626	0.64543	0.53034	207.95149	70.27092	268.27126	26.16426	14.32632	33.53391	1.45E-10	2.42E-08	6.23E-09	4.48E-14	1.35E-13	1.07E-13	0	0	0	0	7.262E-13	4.1756E-12	6.23303E-09	4.58422E-14	0	2.28813E-14	0
642	571150.55	4178718.99	0.55, 41787	0.57256	0.60327	0.52806	200.64391	66.12781	289.68563	25.68735	14.52342	36.23202	1.37E-10	2.39E-08	6.21E-09	4.22E-14	1.27E-13	1.01E-13	0	0	0	0	6.836E-13	4.1136E-12	6.20525E-09	4.31513E-14	0	2.15382E-14	0
643	571190.55	4178718.99	0.55, 41787	0.53842	0.56251	0.50995	154.3512	63.9477	213.38711	22.19645	14.00077	30.48387	1.28E-10	2.05E-08	5.34E-09	3.95E-14	1.19E-13	9.42E-14	0	0	0	0	6.402E-13	3.5376E-12	5.34058E-09	4.04094E-14	0	2.01696E-14	0
644	571230.55	4178718.99	0.55, 41787	0.49735	0.52247	0.4676	159.72675	60.41971	199.28282	22.34048	12.75874	27.30767	1.19E-10	1.96E-08	5.29E-09	3.66E-14	1.11E-13	8.74E-14	0	0	0	0	5.935E-13	3.3817E-12	5.28773E-09	3.74655E-14	0	1.87002E-14	0
645	571270.55	4178718.99	0.55, 41787	0.45612	0.4836	0.42898	144.14128	55.22387	195.55309	20.17616	11.51496	26.9261	1.1E-10	1.82E-08	4.83E-09	3.38E-14	1.02E-13	8.07E-14	0	0	0	0	5.484E-13	3.1442E-12	4.83418E-09	3.46191E-14	0	1.72795E-14	0
646	571310.55	4178718.99	0.55, 41787	0.42006	0.44717	0.39945	118.44349	52.26024	154.81704	17.97136	10.56882	25.80284	1.01E-10	1.61E-08	4.35E-09	3.13E-14	9.45E-14	7.47E-14	0	0	0	0	5.073E-13	2.776E-12	4.35309E-09	3.20229E-14	0	1.59837E-14	0
647	571350.55	4178718.99	0.55, 41787	0.38785	0.41385	0.37184	109.17018	50.24459	147.83356	14.07795	10.0186	18.4792	9.39E-11	1.54E-08	3.37E-09	2.9E-14	8.75E-14	6.91E-14	0	0	0	0	4.697E-13	2.6476E-12	3.36505E-09	2.96484E-14	0	1.47985E-14	0
648	571390.55	4178718.99	0.55, 41787	0.35875	0.38356	0.34391	87.70597	48.80309	113.13015	10.96325	9.64341	14.14127	8.7E-11	1.37E-08	2.61E-09	2.69E-14	8.11E-14	6.41E-14	0	0	0	0	4.351E-13	2.3698E-12	2.61408E-09	2.74679E-14	0	1.37101E-14	0
649	571430.55	4178718.99	0.55, 41787	0.33385	0.35563	0.32061	80.9107	47.09106	69.47289	11.59229	8.99084	10.76512	8.08E-11	1.22E-08	2.66E-09	2.49E-14	7.52E-14	5.94E-14	0	0	0	0	4.038E-13	2.0959E-12	2.65547E-09	2.54901E-14	0	1.27229E-14	0
650	571470.55	4178718.99	0.55, 41787	0.31507	0.33052	0.30587	111.40642	45.19171	126.48359	15.57659	8.16367	17.53078	7.54E-11	1.39E-08	3.65E-09	2.33E-14	7.02E-14	5.55E-14	0	0	0	0	3.768E-13	2.3996E-12	3.64766E-09	2.37863E-14	0	1.18725E-14	0
651	571510.55	4178718.99	0.55, 41787	0.29891	0.30701	0.29518	116.70467	43.07153	146.87884	15.95519	7.46065	19.6972	7.04E-11	1.42E-08	3.78E-09	2.17E-14	6.56E-14	5.18E-14	0	0	0	0	3.521E-13	2.4424E-12	3.78145E-09	2.22259E-14	0	1.10937E-14	0
652	571550.55	4178718.99	0.55, 41787	0.28299	0.28542	0.28355	93.20798	40.2806	109.70993	12.81909	6.80365	14.78577	6.58E-11	1.22E-08	3.01E-09	2.03E-14	6.13E-14	4.84E-14	0	0	0	0	3.291E-13	2.1035E-12	3.01122E-09	2.0771E-14	0	1.03675E-14	0
653	571590.55	4178718.99	0.55, 41787	0.2649	0.26495	0.26753	84.18961	37.57199	100.50298	12.02709	5.93847	14.35757	6.12E-11	1.13E-08	2.84E-09	1.89E-14	5.71E-14	4.51E-14	0	0	0	0	3.062E-13	1.944E-12	2.83776E-09	1.93311E-14	0	9.64877E-15	0
654	570310.55	4178758.99	0.55, 41787	0.10291	0.08971	0.0989	86.89901	32.22927	93.76167	10.86238	4.40505	11.72021	2.12E-11	1.02E-08	2.53E-09	6.55E-15	1.98E-14	1.56E-14	0	0	0	0	1.061E-13	1.7539E-12	2.53061E-09	6.69998E-15	0	3.34417E-15	0
655	570350.55	4178758.99	0.55, 41787	0.11544	0.10167	0.11074	97.89636	38.6449	111.66772	12.23704	4.83061	13.95846	2.4E-11	1.2E-08	2.87E-09	7.41E-15	2.24E-14	1.77E-14	0	0	0	0	1.2E-13	2.0771E-12	2.87045E-09	7.57441E-15	0	3.78063E-15	0
656	570390.55	4178758.99	0.55, 41787	0.13027	0.11595	0.12485	105.67733	44.34348	129.76492	13.20967	5.54293	16.22061	2.73E-11	1.37E-08	3.13E-09	8.43E-15	2.54E-14	2.01E-14	0	0	0	0	1.365E-13	2.3669E-12	3.12849E-09	8.61738E-15	0	4.30121E-15	0
657	570430.55	4178758.99	0.55, 41787	0.14773	0.133	0.14184	109.21499	48.49986	141.11126	13.65187	6.24447	17.63891	3.12E-11	1.49E-08	3.26E-09	9.64E-15	2.91E-14	2.3E-14	0	0	0	0	1.562E-13	2.5623E-12	3.25592E-09	9.86223E-15	0	4.92255E-15	0
658	570470.55	4178758.99	0.55, 41787	0.16767	0.15301	0.16202	117.79795	52.53636	140.35154	14.72474	7.71399	17.54394	3.59E-11	1.58E-08	3.47E-09	1.11E-14	3.34E-14	2.64E-14	0	0	0	0	1.794E-13	2.7178E-12	3.47338E-09	1.13215E-14	0	5.65095E-15	0
659	570510.55	4178758.99	0.55, 41787	0.191	0.17712	0.1864	128.29828	56.17436	171.94141	17.6792	9.03197	21.49268	4.14E-11	1.75E-08	4.18E-09	1.28E-14	3.86E-14	3.05E-14	0	0	0	0	2.071E-13	3.0122E-12	4.18142E-09	1.30759E-14	0	6.52658E-15	0
660	570550.55	4178758.99	0.55, 41787	0.21672	0.20498	0.21341	137.63049	58.52483	184.29573	19.6615	9.95092	26.17497	4.78E-11	1.84E-08	4.71E-09	1.47E-14	4.45E-14	3.52E-14	0	0	0	0	2.39E-13	3.1755E-12	4.7092E-09	1.50854E-14	0	7.52961E-15	0
661	570590.55	4178758.99	0.55, 41787	0.24504	0.23724	0.24166	142.23889	62.68425	205.21483	20.31984	10.25836	28.57469	5.51E-11	1.98E-08	4.91E-09	1.7E-14	5.13E-14	4.05E-14	0	0	0	0	2.753E-13	3.4176E-12	4.90639E-09	1.7378E-14	0	8.6739E-15	0
662	570630.55	4178758.99	0.55, 41787	0.27554	0.27375	0.26892	139.19636	70.02218	188.40794	19.61007	11.07526	25.7042	6.31E-11	2.07E-08	4.69E-09	1.95E-14	5.88E-14	4.65E-14	0	0	0	0	3.156E-13	3.5647E-12	4.68645E-09	1.99239E-14	0	9.94464E-15	0
663	570670.55	4178758.99	0.55, 41787	0.30614	0.31293	0.29402	149.31547	72.47289	221.2081	21.10931	12.07881	31.37185	7.16E-11	2.22E-08	5.14E-09	2.21E-14	6.67E-14	5.27E-14	0	0	0	0	3.582E-13	3.8254E-12	5.14076E-09	2.2608E-14	0	1.12844E-14	0
664	570710.55	4178758.99	0.55, 41787	0.33494	0.35231	0.31792	164.794	71.08708	213.69891	21.55176	13.08376	26.71236	8.01E-11	2.21E-08	5.11E-09	2.47E-14	7.46E-14	5.9E-14	0	0	0	0	4.005E-13	3.8032E-12	5.11062E-09	2.52821E-14	0	1.26191E-14	0
665	570750.55	4178758.99	0.55, 41787	0.36674	0.3924	0.33661	179.38877	78.60477	216.64393	22.4236	16.36841	27.08049	8.86E-11	2.38E-08	5.3E-09	2.74E-14	8.26E-14	6.52E-14	0	0	0	0	4.432E-13	4.1073E-12	5.29888E-09	2.79745E-14	0	1.3963E-14	0
666	570790.55	4178758.99	0.55, 41787	0.40357	0.43625	0.34677	166.36606	82.34558	242.62848	21.7564	19.87746	30.35713	9.77E-11	2.49E-08	5.25E-09	3.02E-14	9.11E-14	7.19E-14	0	0	0	0	4.887E-13	4.2958E-12	5.24709E-09	3.08487E-14	0	1.53976E-14	0
667	570830.55	4178758.99	0.55, 41787	0.43354	0.48203	0.39259	188.6599	98.62945	246.30784	24.95504	19.43466	30.78848	1.08E-10	2.85E-08	5.91E-09	3.33E-14	1.01E-13	7.95E-14	0	0	0	0	5.399E-13	4.9092E-12	5.91396E-09	3.40821E-14	0	1.70115E-14	0
668	570870.55	4178758.99	0.55, 41787	0.46387	0.52331	0.45582	172.12292	120.25167	329.63715	21.51536	18.67269	41.20464	1.18E-10	3.43E-08	5.48E-09	3.64E-14	1.1E-13	8.67E-14	0	0	0	0	5.893E-13	5.9095E-12	5.479E-09	3.71987E-14	0	1.8567E-14	0
669	570910.55	4178758.99	0.55, 41787	0.49085	0.54778	0.42691	176.15826	108.72169	296.15879	23.43896	19.655	37.01985	1.22E-10	3.14E-08	5.76E-09	3.77E-14	1.14E-13	8.99E-14	0	0	0	0	6.109E-13	5.408E-12	5.76479E-09	3.85616E-14	0	1.92473E-14	0
670	570950.55	4178758.99	0.55, 41787	0.48762	0.55475	0.41816	180.46301	97.04885	324.78811	24.36206	20.46933	40.59851	1.23E-10	3E-08	6.05E-09	3.8E-14	1.15E-13	9.06E-14	0	0	0	0	6.158E-13	5.1806E-12	6.04682E-09	3.88741E-14	0	1.94033E-14	0
671	570990.55	4178758.99	0.55, 41787	0.49051	0.55159	0.43765	151.23194	87.28492	222.11928	25.20532	17.38113	28.62893	1.23E-10	2.5E-08	5.91E-09	3.8E-14	1.15E-13	9.06E-14	0	0	0	0	6.158E-13	4.3068E-12	5.90926E-09	3.88689E-14	0	1.94007E-14	0
672	571030.55	4178758.99	0.55, 41787	0.48428	0.53663	0.45626	187.58168	78.86438	272.43541	28.06386	15.68835	45.4059	1.21E-10	2.55E-08	6.93E-09	3.73E-14	1.13E-13	8.89E-14	0	0	0	0	6.037E-13	4.3944E-12	6.93032E-09	3.81105E-14	0	1.90222E-14	0
673	571070.55	4178758.99	0.55, 41787	0.467	0.51625	0.43604	163.79974	72.83551	258.94072	22.54296	13.46245	32.36759	1.16E-10	2.35E-08	5.46E-09	3.58E-14	1.08E-13	8.55E-14	0	0	0	0	5.806E-13	4.0574E-12	5.46046E-09	3.66467E-14	0	1.82916E-14	0
674	571110.55	4178758.99	0.55, 41787	0.44755	0.4933	0.39624	157.0432	65.36033	149.25903	19.63651	11.35189	22.10234	1.1E-10	1.92E-08	4.6E-09	3.41E-14	1.03E-13	8.13E-14	0	0	0	0	5.522E-13	3.3054E-12	4.59846E-09	3.48591E-14	0	1.73993E-14	0
675	571150.55	4178758.99	0.55, 41787	0.4302	0.46818	0.38775	183.98767	62.14189	232.46693	23.05685	11.54043	29.05837	1.05E-10	2.13E-08	5.48E-09	3.25E-14	9.81E-14	7.75E-14	0	0	0	0	5.262E-13	3.6716E-12	5.47998E-09	3.32152E-14	0	1.65788E-14	0
676	571190.55	4178758.99	0.55, 41787	0.41561	0.44245	0.39452	166.33485	59.4631	232.20811	21.02615	11.70076	29.03347	1E-10	2.04E-08	5.06E-09	3.1E-14	9.35E-14	7.39E-14	0	0	0	0	5.019E-13	3.5222E-12	5.06307E-09	3.16789E-14	0	1.5812E-14	0
677	571230.55	4178758.99	0.55, 41787	0.39577	0.41616	0.38297	133.04594	57.55284	174.38403	19.00656	11.25795	24.912	9.48E-11	1.79E-08	4.54E-09	2.93E-14	8.83E-14	6.98E-14	0	0	0	0	4.741E-13	3.0839E-12	4.54219E-09	2.99257E-14	0	1.49369E-14	0
678	571270.55	4178758.99	0.55, 41787	0.36933	0.38979	0.3568	133.93343	52.76944	163.09994	18.49966	10.32502	20.38749	8.87E-11	1.67E-08	4.32E-09	2.74E-14	8.27E-14	6.53E-14	0	0	0	0	4.437E-13	2.8846E-12	4.32094E-09	2.8005E-14	0	1.39782E-14	0
679	571310.55	4178758.99	0.55, 41787	0.3411	0.36413	0.32902	131.1619	50.25063	168.23883	18.11843	9.56125	22.87944	8.27E-11	1.63E-08	4.31E-09	2.55E-14	7.71E-14	6.09E-14	0	0	0	0	4.135E-13	2.8177E-12	4.30742E-09	2.61006E-14	0	1.30277E-14	0
680	571350.55	4178758.99	0.55, 41787	0.31543	0.34037	0.30452	103.20737	47.94128	136.71003	14.62528	9.08266	18.8743	7.72E-11	1.45E-08	3.49E-09	2.38E-14	7.19E-14	5.68E-14	0	0	0	0	3.858E-13	2.5034E-12	3.4875E-09	2.43504E-14	0	1.21541E-14	0
681	571390.55	4178758.99	0.55, 41787	0.29206	0.31801	0.28181	95.20975	46.26011	128.00267	11.90122	8.7596	16.00033	7.2E-11	1.38E-08	2.85E-09	2.22E-14	6.7E-14	5.3E-14	0	0	0	0	3.598E-13	2.3824E-12	2.85456E-09	2.27112E-14	0	1.13359E-14	0
682	571430.55	4178758.99	0.55, 41787	0.27184	0.29676	0.26169	65.82255	44.97926	77.28464	8.48847	8.42183	11.06277	6.71E-11	1.17E-08	2.03E-09	2.07E-14	6.25E-14	4.94E-14	0	0	0	0	3.355E-13	2.0098E-12	2.02694E-09	2.11785E-14	0	1.05709E-14	0
683	571470.55	4178758.99	0.55, 41787	0.25781	0.27877	0.24855	74.19853	43.62462	66.74746	10.92817	7.8818	10.16339	6.32E-11	1.13E-08	2.5E-09	1.95E-14	5.88E-14	4.65E-14	0	0	0	0	3.158E-13	1.9496E-12	2.50372E-09	1.99329E-14	0	9.94917E-15	0
684	571510.55	4178758.99	0.55, 41787	0.24715	0.26193	0.24035	102.14842	42.0514	116.58445	14.2101	7.23025	16.16505	5.96E-11	1.29E-08	3.33E-09	1.84E-14	5.55E-14	4.39E-14	0	0	0	0	2.981E-13	2.2225E-12	3.33213E-09	1.88168E-14	0	9.39206E-15	0
685	571550.55	4178758.99	0.55, 41787	0.23772	0.24585	0.23427	104.82233	40.15762	128.89855	14.31586	6.66643	17.41071	5.63E-11	1.29E-08	3.39E-09	1.74E-14	5.25E-14	4.14E-14	0	0	0	0	2.815E-13	2.227E-12	3.38611E-09	1.77702E-14	0	8.86969E-15	0
686	571590.55	4178758.99	0.55, 41787	0.22808	0.23097	0.22747	83.60184	37.747	96.99907	11.46846	6.12919	13.15855	5.32E-11	1.12E-08	2.69E-09	1.64E-14	4.96E-14	3.91E-14	0	0	0	0	2.659E-13	1.9318E-12	2.69215E-09	1.67862E-14	0	8.37852E-15	0
687	570310.55	4178798.99	0.55, 41787	0.10253	0.09048	0.09887	92.22772	37.68456	108.42661	11.52846	4.71057	13.55333	2.14E-11	1.17E-08	2.71E-09	6.59E-15	1.99E-14	1.57E-14	0	0	0	0	1.068E-13	2.0118E-12	2.71469E-09	6.74202E-15	0	3.36516E-15	0
688	570350.55	4178798.99	0.55, 41787	0.11434	0.10195	0.11024	96.42289	41.82094	119.06345	12.05286	5.22762	14.88293	2.4E-11	1.28E-08	2.86E-09	7.41E-15	2.24E-14	1.77E-14	0	0	0	0	1.201E-13	2.2058E-12	2.85667E-09	7.57939E-15	0	3.78312E-15	0
689	570390.55	4178798.99	0.55, 41787	0.12785	0.11532	0.12365	96.70849	44.28794	121.57528	12.08856	5.83168	15.19691	2.71E-11	1.33E-08	2.87E-09	8.36E-15	2.53E-14	1.99E-14	0	0	0	0	1.355E-13	2.2964E-12	2.87213E-09	8.55508E-15	0	4.27011E-15	0
690	570430.55	4178798.99	0.55, 41787	0.14288	0.13064	0.13911	109.4746	48.39009	132.26529	13.83026	6.97525	16.53316	3.06E-11	1.46E-08	3.26E-09	9.46E-15	2.85E-14	2.26E-14	0	0	0	0	1.532E-13	2.5202E-12	3.26381E-09	9.67089E-15	0	4.82705E-15	0
691	570470.55	4178798.99	0.55, 41787	0.15993	0.14857	0.15692	116.3647	50.80214	153.38363	16.31235	7.92735	19.17295	3.48E-11	1.58E-08	3.84E-09	1.07E-14	3.24E-14	2.56E-14	0	0	0	0	1.738E-13	2.7159E-12	3.84107E-09	1.09709E-14	0	5.47595E-15	0
692	570510.55	4178798.99	0.55, 41787	0.17816	0.16871	0.17591	124.77861	52.11481	162.22151	17.82552	8.49382	23.1745	3.93E-11	1.64E-08	4.26E-09	1.21E-14	3.67E-14	2.9E-14	0	0	0	0	1.967E-13	2.8272E-12	4.25503E-09	1.24169E-14	0	6.19766E-15	0
693	570550.55	4178798.99	0.55, 41787	0.19752	0.19131	0.19507	126.89522	56.18657	175.78093	18.12789	8.51005	24.21863	4.44E-11	1.75E-08	4.34E-09	1.37E-14	4.14E-14	3.27E-14	0	0	0	0	2.22E-13	3.0247E-12	4.34409E-09	1.40147E-14	0	6.99516E-15	0
694	570590.55	4178798.99	0.55, 41787	0.21773	0.21627	0.21308	122.68072	62.5324	158.46837	17.14296	9.80776	21.67538	4.99E-11	1.82E-08	4.08E-09	1.54E-14	4.65E-14	3.67E-14	0	0	0	0	2.494E-13	3.1338E-12	4.07623E-09	1.57458E-14	0	7.85924E-15	0
695	570630.55	4178798.99	0.55, 41787	0.23771	0.24268	0.22932	133.9153	64.36556	188.20796	18.95021	10.72759	26.70167	5.56E-11	1.95E-08	4.58E-09	1.72E-14	5.18E-14	4.09E-14	0	0	0	0	2.78E-13	3.3652E-12	4.57705E-09	1.75453E-14	0	8.75742E-15	0
696	570670.55	4178798.99	0.55, 41787	0.25595	0.26895	0.24514	141.94782	63.09907	182.20008	19.13844	10.57117	23.96944	6.12E-11	1.93E-08	4.54E-09	1.89E-14	5.7E-14	4.51E-14	0	0	0	0	3.061E-13	3.3268E-12	4.54478E-09	1.93218E-14	0	9.64414E-15	0
697	570710.55	4178798.99	0.55, 41787	0.27273	0.29382	0.2595	157.12572	66.69563	192.86918	19.64072	11.93189	24.10865	6.65E-11	2.05E-08	4.65E-09	2.05E-14	6.2E-14	4.9E-14	0	0	0	0	3.326E-13	3.5431E-12	4.65135E-09	2.09954E-14	0	1.04795E-14	0
698	570750.55	4178798.99	0.55, 41787	0.29355	0.31916	0.26739	152.65771	72.44297	180.42039	19.08221	15.18472	22.55534	7.18E-11	2.12E-08	4.5E-09	2.22E-14	6.69E-14	5.29E-14	0	0	0	0	3.591E-13	3.654E-12	4.49658E-09	2.26698E-14	0	1.13152E-14	0
699	570790.55	4178798.99	0.55, 41787	0.31688	0.34759	0.27611	157.73005	72.26845	195.86787	20.13646	16.34526	24.48348	7.78E-11	2.17E-08	4.76E-09	2.4E-14	7.25E-14	5.72E-14	0	0	0	0	3.889E-13	3.7357E-12	4.76269E-09	2.45472E-14	0	1.22523E-14	0
700	570830.55	4178798.99	0.55, 41787	0.33524	0.37796	0.31984	162.23746	94.66133	234.71664	21.09567	14.73083	29.33958	8.49E-11	2.69E-08	5.09E-09	2.62E-14	7.91E-14	6.25E-14	0	0	0	0	4.244E-13	4.6368E-12	5.08526E-09	2.67913E-14	0	1.33724E-14	0
701	570870.55	4178798.99	0.55, 41787	0.35595	0.40358	0.35265	158.80625	107.46352	263.60655	19.85078	16.70272	32.95082	9.09E-11	2.99E-08	4.92E-09	2.8E-14	8.47E-14	6.69E-14	0	0	0	0	4.544E-13	5.1604E-12	4.92372E-09	2.86853E-14	0	1.43177E-14	0
702	570910.55	4178798.99	0.55, 41787	0.3676	0.41723	0.32417	150.41188	96.98395	247.06251	18.80149	15.72408	30.88281	9.29E-11	2.74E-08	4.66E-09	2.87E-14	8.66E-14	6.84E-14	0	0	0	0	4.645E-13	4.7235E-12	4.655E-09	2.93222E-14	0	1.46356E-14	0
703	570950.55	4178798.99	0.55, 41787	0.34637	0.40141	0.30552	159.46188	87.41269	275.63404	19.93273	16.48069	34.45425	8.91E-11	2.66E-08	4.98E-09	2.75E-14	8.3E-14	6.56E-14	0	0	0	0	4.453E-13	4.5796E-12	4.97951E-09	2.81106E-14	0	1.40309E-14	0
704	570990.55	4178798.99	0.55, 41787	0.35579	0.40756	0.32647	119.48057	79.68844	146.33228	17.5796	14.60553	25.33485	9.09E-11	2.1E-08	4.26E-09	2.81E-14	8.47E-14	6.69E-14	0	0	0	0	4.547E-13	3.6131E-12	4.26065E-09	2.87014E-14	0	1.43258E-14	0
705	571030.55	4178798.99	0.55, 41787	0.37225	0.416	0.35619	155.14917	72.93395	196.55996	24.86673	12.948	30.87431	9.36E-11	2.18E-08	5.9E-09	2.89E-14	8.72E-14	6.89E-14	0	0	0	0	4.68E-13	3.7507E-12	5.89808E-09	2.95432E-14	0	1.4746E-14	0
706	571070.55	4178798.99	0.55, 41787	0.3594	0.40135	0.34666	158.59146	67.81733	220.83512	22.65592	11.74555	33.70367	9.04E-11	2.15E-08	5.52E-09	2.79E-14	8.42E-14	6.65E-14	0	0	0	0	4.52E-13	3.709E-12	5.51827E-09	2.85292E-14	0	1.42398E-14	0
707	571110.55	4178798.99	0.55, 41787	0.34191	0.38638	0.31575	133.9595	62.41991	198.12185	16.74494	10.40332	24.76523	8.65E-11	1.94E-08	4.07E-09	2.67E-14	8.06E-14	6.36E-14	0	0	0	0	4.323E-13	3.3479E-12	4.07478E-09	2.72911E-14	0	1.36219E-14	0
708	571150.55	4178798.99	0.55, 41787	0.32926	0.37153	0.29721	140.52662	58.47073	122.49716	17.56829	9.74512	16.40698	8.3E-11	1.69E-08	4.03E-09	2.56E-14	7.73E-14	6.11E-14	0	0	0	0	4.15E-13	2.9078E-12	4.02679E-09	2.6193E-14	0	1.30738E-14	0
709	571190.55	4178798.99	0.55, 41787	0.32393	0.35615	0.30055	162.80337	55.99612	201.90064	20.37225	9.46414	25.23758	8.01E-11	1.89E-08	4.83E-09	2.47E-14	7.47E-14	5.9E-14	0	0	0	0	4.007E-13	3.2639E-12	4.83058E-09	2.52911E-14	0	1.26236E-14	0
710	571230.55	4178798.99	0.55, 41787	0.31732	0.33876	0.30501	141.0743	54.42569	191.70239	17.72831	9.52966	23.96639	7.69E-11	1.79E-08	4.26E-09	2.37E-14	7.17E-14	5.66E-14	0	0	0	0	3.845E-13	3.0907E-12	4.25564E-09	2.42731E-14	0	1.21155E-14	0
711	571270.55	4178798.99	0.55, 41787	0.30415	0.32027	0.29829	116.54381	51.24633	144.90939	16.64912	9.13765	20.70134	7.31E-11	1.56E-08	3.95E-09	2.25E-14	6.81E-14	5.38E-14	0	0	0	0	3.653E-13	2.6927E-12	3.94974E-09	2.30567E-14	0	1.15083E-14	0
712	571310.55	4178798.99	0.55, 41787	0.28608	0.30211	0.28212	111.77517	48.08718	136.31939	15.28029	8.60329	17.73191	6.89E-11	1.47E-08	3.59E-09	2.13E-14	6.42E-14	5.07E-14	0	0	0	0	3.446E-13	2.5369E-12	3.59214E-09	2.175E-14	0	1.08561E-14	0
713	571350.55	4178798.99	0.55, 41787	0.26522	0.28423	0.2608	116.94553	46.1941	139.01017	15.97517	8.23917	19.97796	6.46E-11	1.45E-08	3.79E-09	1.99E-14	6.02E-14	4.76E-14	0	0	0	0	3.232E-13	2.5073E-12	3.79283E-09	2.03992E-14	0	1.01819E-14	0
714	571390.55	4178798.99	0.55, 41787	0.24309	0.26586	0.23735	101.64822	44.37475	130.479	13.96186	7.97488	17.70328	6.02E-11	1.37E-08	3.32E-09	1.86E-14	5.61E-14	4.43E-14	0	0	0	0	3.009E-13	2.3566E-12	3.32113E-09	1.89942E-14	0	9.4806E-15	0
715	571430.55	4178798.99	0.55, 41787	0.22645	0.25105	0.21957	78.66707	42.96369	101.00422	10.22882	7.75525	13.14754	5.66E-11	1.22E-08	2.44E-09	1.75E-14	5.28E-14	4.17E-14	0	0	0	0	2.832E-13	2.0978E-12	2.43776E-09	1.78785E-14	0	8.92372E-15	0
716	571470.55	4178798.99	0.55, 41787	0.21325	0.23694	0.20607	47.64153	41.84289	57.10773	7.70461	7.45296	10.06314	5.34E-11	1.02E-08	1.84E-09	1.65E-14	4.98E-14	3.93E-14	0	0	0	0	2.671E-13	1.7549E-12	1.84033E-09	1.68611E-14	0	8.41589E-15	0
717	571510.55	4178798.99	0.55, 41787	0.20623	0.22585	0.19985	71.44774	40.73398	67.79843	10.29216	7.00806	9.90291	5.11E-11	1.07E-08	2.37E-09	1.58E-14	4.76E-14	3.76E-14	0	0	0	0	2.554E-13	1.8527E-12	2.36659E-09	1.61193E-14	0	8.04566E-15	0
718	571550.55	4178798.99	0.55, 41787	0.19818	0.21228	0.19356	94.10249	39.35835	107.36049	13.01678	6.4744	14.79864	4.82E-11	1.2E-08	3.05E-09	1.49E-14	4.49E-14	3.55E-14	0	0	0	0	2.412E-13	2.0669E-12	3.05207E-09	1.5226E-14	0	7.59979E-15	0
719	571590.55	4178798.99	0.55, 41787	0.19254	0.20073	0.18997	94.76849	37.66806	114.23818	12.95063	6.01952	15.50303	4.59E-11	1.19E-08	3.06E-09	1.42E-14	4.28E-14	3.38E-14	0	0	0	0	2.295E-13	2.0464E-12	3.05678E-09	1.44881E-14	0	7.23146E-15	0
720	570310.55	4178838.99	0.55, 41788	0.10118	0.0904	0.098	86.93136	38.98232	105.93151	10.86642	4.87279	13.24144	2.13E-11	1.17E-08	2.57E-09	6.57E-15	1.98E-14	1.57E-14	0	0	0	0	1.065E-13	2.0229E-12	2.57089E-09	6.72141E-15	0	3.35487E-15	0
721	570350.55	4178838.99	0.55, 41788	0.1118	0.10104	0.10874	92.10266	41.60712	103.12867	11.51283	5.43734	12.89108	2.38E-11	1.23E-08	2.69E-09	7.33E-15	2.21E-14	1.75E-14	0	0	0	0	1.188E-13	2.1123E-12	2.69431E-09	7.49757E-15	0	3.74228E-15	0
722	570390.55	4178838.99	0.55, 41788	0.12335	0.11299	0.12071	101.58992	44.39945	123.8041	13.097	6.32134	15.47551	2.65E-11	1.35E-08	3.09E-09	8.18E-15	2.47E-14	1.95E-14	0	0	0	0	1.325E-13	2.3274E-12	3.08607E-09	8.36606E-15	0	4.17577E-15	0
723	570430.55	4178838.99	0.55, 41788	0.13612	0.12663	0.1341	105.75261	46.22171	135.82058	15.10752	6.99394	17.72822	2.96E-11	1.42E-08	3.56E-09	9.14E-15	2.76E-14	2.18E-14	0	0	0	0	1.482E-13	2.4539E-12	3.55663E-09	9.35244E-15	0	4.6681E-15	0
724	570470.55	4178838.99	0.55, 41788	0.14941	0.1416	0.14777	113.55911	47.52324	144.14907	16.22273	7.30549	20.59272	3.3E-11	1.49E-08	3.86E-09	1.02E-14	3.08E-14	2.43E-14	0	0	0	0	1.651E-13	2.5604E-12	3.85952E-09	1.04219E-14	0	5.20188E-15	0
725	570510.55	4178838.99	0.55, 41788	0.16314	0.158	0.16129	114.44641	50.69094	152.51274	16.21485	7.16417	20.85712	3.67E-11	1.57E-08	3.86E-09	1.13E-14	3.42E-14	2.7E-14	0	0	0	0	1.834E-13	2.7016E-12	3.86476E-09	1.15761E-14	0	5.77799E-15	0
726	570550.55	4178838.99	0.55, 41788	0.17704	0.17576	0.1737	109.2842	56.30775	135.99936	15.45924	8.75778	18.63755	4.06E-11	1.62E-08	3.65E-09	1.25E-14	3.78E-14	2.99E-14	0	0	0	0	2.028E-13	2.7877E-12	3.65231E-09	1.28014E-14	0	6.38959E-15	0
727	570590.55	4178838.99	0.55, 41788	0.1907	0.19445	0.18485	121.04262	57.73789	162.59872	17.123	9.62298	23.05827	4.46E-11	1.74E-08	4.11E-09	1.38E-14	4.15E-14	3.28E-14	0	0	0	0	2.229E-13	2.9941E-12	4.10801E-09	1.40689E-14	0	7.02225E-15	0
728	570630.55	4178838.99	0.55, 41788	0.20316	0.21304	0.19546	125.84874	56.85617	163.76967	17.26057	9.47603	21.8341	4.85E-11	1.73E-08	4.1E-09	1.5E-14	4.52E-14	3.57E-14	0	0	0	0	2.427E-13	2.9885E-12	4.10446E-09	1.53184E-14	0	7.64589E-15	0
729	570670.55	4178838.99	0.55, 41788	0.21386	0.23043	0.20601	138.80556	56.19819	167.35734	17.35069	9.51337	20.91967	5.22E-11	1.76E-08	4.1E-09	1.61E-14	4.87E-14	3.84E-14	0	0	0	0	2.612E-13	3.03E-12	4.09922E-09	1.6486E-14	0	8.22869E-15	0
730	570710.55	4178838.99	0.55, 41788	0.22462	0.24643	0.21368	139.69865	64.11019	158.44625	17.46233	11.64998	19.80578	5.56E-11	1.88E-08	4.09E-09	1.72E-14	5.18E-14	4.09E-14	0	0	0	0	2.78E-13	3.2447E-12	4.09322E-09	1.75496E-14	0	8.75958E-15	0
731	570750.55	4178838.99	0.55, 41788	0.23931	0.26333	0.21642	129.30344	65.03758	176.13066	16.25667	13.35444	22.02002	5.91E-11	1.92E-08	3.9E-09	1.82E-14	5.51E-14	4.35E-14	0	0	0	0	2.955E-13	3.316E-12	3.90349E-09	1.8651E-14	0	9.30935E-15	0
732	570790.55	4178838.99	0.55, 41788	0.2546	0.28325	0.22784	148.04332	66.52984	161.44916	18.88746	13.10425	20.18115	6.34E-11	1.95E-08	4.4E-09	1.96E-14	5.91E-14	4.66E-14	0	0	0	0	3.169E-13	3.3648E-12	4.39508E-09	2.00029E-14	0	9.98409E-15	0
733	570830.55	4178838.99	0.55, 41788	0.26766	0.30497	0.26524	136.3658	90.38201	203.70222	17.19519	14.05196	26.51864	6.86E-11	2.48E-08	4.21E-09	2.12E-14	6.39E-14	5.05E-14	0	0	0	0	3.431E-13	4.2697E-12	4.21255E-09	2.16576E-14	0	1.081E-14	0
734	570870.55	4178838.99	0.55, 41788	0.28248	0.32215	0.27934	145.76117	97.26265	213.43334	18.22015	15.13016	26.67917	7.25E-11	2.65E-08	4.43E-09	2.24E-14	6.75E-14	5.33E-14	0	0	0	0	3.623E-13	4.5654E-12	4.42682E-09	2.2869E-14	0	1.14147E-14	0
735	570910.55	4178838.99	0.55, 41788	0.28799	0.33135	0.25629	130.6935	87.1686	210.24612	16.33669	13.50967	26.28077	7.37E-11	2.42E-08	4.03E-09	2.27E-14	6.86E-14	5.42E-14	0	0	0	0	3.683E-13	4.1766E-12	4.0304E-09	2.32514E-14	0	1.16055E-14	0
736	570950.55	4178838.99	0.55, 41788	0.28758	0.33724	0.25781	143.26415	81.64199	232.33178	17.90802	13.93242	29.04147	7.48E-11	2.4E-08	4.42E-09	2.31E-14	6.97E-14	5.5E-14	0	0	0	0	3.739E-13	4.1447E-12	4.4241E-09	2.36037E-14	0	1.17813E-14	0
737	570990.55	4178838.99	0.55, 41788	0.28844	0.33412	0.27084	115.42228	74.82901	134.90402	15.11344	13.01217	21.06919	7.46E-11	1.97E-08	3.64E-09	2.3E-14	6.95E-14	5.49E-14	0	0	0	0	3.728E-13	3.3931E-12	3.64449E-09	2.35345E-14	0	1.17468E-14	0
738	571030.55	4178838.99	0.55, 41788	0.29049	0.32848	0.28015	122.60648	67.85889	167.69329	20.43441	11.21527	20.96166	7.38E-11	1.94E-08	4.73E-09	2.28E-14	6.88E-14	5.43E-14	0	0	0	0	3.691E-13	3.344E-12	4.73243E-09	2.32962E-14	0	1.16279E-14	0
739	571070.55	4178838.99	0.55, 41788	0.28682	0.32211	0.27916	145.80556	62.69899	194.95005	22.09774	10.44682	32.49167	7.25E-11	1.96E-08	5.37E-09	2.24E-14	6.76E-14	5.34E-14	0	0	0	0	3.627E-13	3.3849E-12	5.37242E-09	2.28936E-14	0	1.1427E-14	0
740	571110.55	4178838.99	0.55, 41788	0.272	0.3104	0.2597	131.09883	59.8466	180.45962	17.36249	9.97443	23.15348	6.96E-11	1.84E-08	4.16E-09	2.15E-14	6.48E-14	5.12E-14	0	0	0	0	3.478E-13	3.1769E-12	4.15957E-09	2.19564E-14	0	1.09591E-14	0
741	571150.55	4178838.99	0.55, 41788	0.26	0.30055	0.24148	99.99815	55.57889	134.60776	12.49977	9.26315	16.82597	6.7E-11	1.58E-08	3E-09	2.07E-14	6.25E-14	4.93E-14	0	0	0	0	3.352E-13	2.7251E-12	2.99867E-09	2.11559E-14	0	1.05596E-14	0
742	571190.55	4178838.99	0.55, 41788	0.2552	0.29089	0.23588	127.82601	53.11626	132.48794	15.97966	8.85271	16.56099	6.5E-11	1.59E-08	3.71E-09	2.01E-14	6.06E-14	4.79E-14	0	0	0	0	3.251E-13	2.7369E-12	3.70513E-09	2.05227E-14	0	1.02435E-14	0
743	571230.55	4178838.99	0.55, 41788	0.25406	0.28009	0.23929	144.46225	51.51588	176.21864	18.06666	8.58598	22.02733	6.31E-11	1.71E-08	4.27E-09	1.95E-14	5.88E-14	4.64E-14	0	0	0	0	3.154E-13	2.9411E-12	4.27471E-09	1.99093E-14	0	9.93739E-15	0
744	571270.55	4178838.99	0.55, 41788	0.2507	0.26766	0.24251	121.82335	49.56018	161.92313	15.26733	8.26003	20.24326	6.08E-11	1.59E-08	3.65E-09	1.88E-14	5.67E-14	4.48E-14	0	0	0	0	3.04E-13	2.7341E-12	3.65461E-09	1.91909E-14	0	9.57879E-15	0
745	571310.55	4178838.99	0.55, 41788	0.24184	0.25433	0.23951	103.21026	44.65355	122.05645	14.74432	7.58702	17.43664	5.81E-11	1.35E-08	3.47E-09	1.79E-14	5.41E-14	4.28E-14	0	0	0	0	2.904E-13	2.3334E-12	3.47461E-09	1.83332E-14	0	9.15069E-15	0
746	571350.55	4178838.99	0.55, 41788	0.22797	0.24079	0.22797	99.0464	44.12829	113.73434	14.35742	7.39344	18.63488	5.5E-11	1.31E-08	3.43E-09	1.7E-14	5.12E-14	4.05E-14	0	0	0	0	2.75E-13	2.2646E-12	3.42638E-09	1.73606E-14	0	8.66522E-15	0
747	571390.55	4178838.99	0.55, 41788	0.21103	0.22733	0.21036	102.76287	42.76623	112.22851	13.91866	7.25999	15.15441	5.17E-11	1.29E-08	3.25E-09	1.6E-14	4.82E-14	3.81E-14	0	0	0	0	2.586E-13	2.2279E-12	3.24618E-09	1.63228E-14	0	8.14724E-15	0
748	571430.55	4178838.99	0.55, 41788	0.19469	0.21494	0.19186	96.70075	41.37793	118.14409	13.13698	7.12068	15.87157	4.86E-11	1.27E-08	3.1E-09	1.5E-14	4.53E-14	3.58E-14	0	0	0	0	2.431E-13	2.1886E-12	3.10454E-09	1.53439E-14	0	7.65864E-15	0
749	571470.55	4178838.99	0.55, 41788	0.18137	0.20392	0.17665	77.02264	40.18933	97.95965	10.5662	6.94319	13.29535	4.59E-11	1.15E-08	2.51E-09	1.42E-14	4.28E-14	3.38E-14	0	0	0	0	2.296E-13	1.9902E-12	2.51075E-09	1.44914E-14	0	7.23312E-15	0
750	571510.55	4178838.99	0.55, 41788	0.17253	0.19446	0.16733	52.60803	39.21497	67.39367	7.34906	6.67327	9.32595	4.37E-11	1.01E-08	1.75E-09	1.35E-14	4.08E-14	3.22E-14	0	0	0	0	2.187E-13	1.7352E-12	1.74833E-09	1.38071E-14	0	6.89158E-15	0
751	571550.55	4178838.99	0.55, 41788	0.16797	0.18619	0.16347	68.59481	38.25365	67.50423	9.65516	6.29212	9.48561	4.2E-11	1.02E-08	2.23E-09	1.3E-14	3.92E-14	3.09E-14	0	0	0	0	2.101E-13	1.7624E-12	2.22519E-09	1.32648E-14	0	6.62087E-15	0
752	571590.55	4178838.99	0.55, 41788	0.16271	0.17607	0.15959	86.9293	37.04871	99.01478	11.93163	5.86384	13.49632	4E-11	1.12E-08	2.8E-09	1.23E-14	3.72E-14	2.94E-14	0	0	0	0	1.998E-13	1.9306E-12	2.79586E-09	1.26101E-14	0	6.29411E-15	0
753	570839.17	4178445.88	9.17, 41784	74.46739	6.86955	3.72049	1115.31188	246.53605	1658.95445	545.24687	92.47095	232.89196	2.91E-09	1.12E-07	1.18E-07	8.97E-13	2.71E-12	2.14E-12	0	0	0	0	1.454E-11	1.9239E-11	1.17809E-07	9.17541E-13	0	4.57974E-13	0
754	570839.17	4178485.88	9.17, 41784	72.70489	8.35312	4.22209	2611.28562	240.43522	1473.87155	1286.82968	90.10385	245.64526	3.16E-09	1.37E-07	2.7E-07	9.74E-13	2.94E-12	2.32E-12	0	0	0	0	1.578E-11	2.3569E-11	2.70155E-07	9.96375E-13	0	4.97322E-13	0
755	570879.17	4178405.88	9.17, 41784	9.26791	12.09581	2.86973	654.37651	281.54322	1652.24347	174.87233	99.71055	250.6883	2.5E-09	1.08E-07	4.23E-08	7.7E-13	2.32E-12	1.84E-12	0	0	0	0	1.248E-11	1.8672E-11	4.23481E-08	7.87541E-13	0	3.93087E-13	0
756	570879.17	4178445.88	9.17, 41784	110.98197	13.33715	11.62742	3333.88644	260.53475	3586.87714	1717.50318	91.01179	770.8732	5.06E-09	2.1E-07	3.72E-07	1.56E-12	4.72E-12	3.73E-12	0	0	0	0	2.531E-11	3.624E-11	3.72059E-07	1.59745E-12	0	7.9734E-13	0
757	570879.17	4178485.88	9.17, 41784	18.42358	13.79846	20.70311	473.0449	246.35325	4578.74955	141.68031	100.88031	655.29094	3.46E-09	1.74E-07	4.6E-08	1.07E-12	3.23E-12	2.55E-12	0	0	0	0	1.731E-11	2.9991E-11	4.60372E-08	1.09247E-12	0	5.45288E-13	0
758	570879.17	4178525.88	9.17, 41785	94.91809	17.71904	9.02777	3340.71117	271.69492	2014.80922	1490.9797	113.49448	441.47053	5.47E-09	1.72E-07	3.17E-07	1.69E-12	5.09E-12	4.02E-12	0	0	0	0	2.734E-11	2.959E-11	3.17082E-07	1.72579E-12	0	8.61397E-13	0
759	570879.17	4178565.88	9.17, 41785	6.34056	7.84517	3.48916	517.57011	248.69096	1100.96831	138.67192	92.32789	171.27972	1.67E-09	8.51E-08	3.29E-08	5.15E-13	1.55E-12	1.23E-12	0	0	0	0	8.337E-12	1.4674E-11	3.28681E-08	5.26271E-13	0	2.62678E-13	0
760	570919.17	4178365.88	9.17, 41783	2.36921	8.89638	1.45024	279.82249	231.14799	970.86833	50.20448	85.64726	145.20587	1.73E-09	7.36E-08	1.41E-08	5.33E-13	1.61E-12	1.27E-12	0	0	0	0	8.629E-12	1.2685E-11	1.40571E-08	5.44703E-13	0	2.71879E-13	0
761	570919.17	4178405.88	9.17, 41784	7.16288	18.51893	2.95623	387.12304	281.06153	1814.51514	102.95605	123.97591	301.78328	3.64E-09	1.07E-07	2.89E-08	1.12E-12	3.39E-12	2.68E-12	0	0	0	0	1.819E-11	1.8426E-11	2.89313E-08	1.14797E-12	0	5.72986E-13	0
762	570919.17	4178445.88	9.17, 41784	30.90779	15.96768	15.85005	761.46723	266.85593	6280.62092	290.35951	97.37786	1155.63511	3.99E-09	2.28E-07	8.95E-08	1.23E-12	3.72E-12	2.94E-12	0	0	0	0	1.997E-11	3.9284E-11	8.94907E-08	1.26064E-12	0	6.29225E-13	0
763	570919.17	4178485.88	9.17, 41784	29.57453	18.16179	468.02027	992.62163	281.14129	31654.24271	425.98322	121.6397	9353.86757	1.61E-08	8.93E-07	3.3E-07	4.97E-12	1.5E-11	1.18E-11	0	0	0	0	8.049E-11	1.5402E-10	3.29907E-07	5.08063E-12	0	2.5359E-12	0
764	570919.17	4178525.88	9.17, 41785	19.47257	21.77306	15.13476	427.44744	357.8357	3633.422	126.47105	151.21701	760.0028	4.81E-09	1.69E-07	4.56E-08	1.48E-12	4.48E-12	3.54E-12	0	0	0	0	2.404E-11	2.9142E-11	4.56351E-08	1.51748E-12	0	7.57424E-13	0
765	570919.17	4178565.88	9.17, 41785	68.70701	17.81326	4.44491	3547.24462	326.79695	1605.72558	1121.59815	123.62419	257.53275	4.82E-09	1.75E-07	2.37E-07	1.49E-12	4.49E-12	3.55E-12	0	0	0	0	2.411E-11	3.025E-11	2.36593E-07	1.52212E-12	0	7.59739E-13	0
766	570959.17	4178325.88	9.17, 41783	2.08146	12.83514	1.34475	279.67021	252.56813	633.18912	42.32993	97.81035	79.64117	2.44E-09	6.88E-08	1.07E-08	7.54E-13	2.28E-12	1.8E-12	0	0	0	0	1.221E-11	1.1855E-11	1.07426E-08	7.70992E-13	0	3.84827E-13	0
767	570959.17	4178365.88	9.17, 41783	2.97969	11.80225	1.85212	241.09871	252.07126	954.07883	42.48046	78.75938	136.29698	2.28E-09	7.62E-08	1.22E-08	7.05E-13	2.13E-12	1.68E-12	0	0	0	0	1.142E-11	1.3136E-11	1.22427E-08	7.20965E-13	0	3.59857E-13	0
768	570959.17	4178405.88	9.17, 41784	5.48321	18.00699	4.34111	312.89849	292.26242	1429.75284	67.10795	111.57482	238.11199	3.54E-09	9.74E-08	1.99E-08	1.09E-12	3.3E-12	2.61E-12	0	0	0	0	1.772E-11	1.6796E-11	1.99316E-08	1.11853E-12	0	5.58296E-13	0
769	570959.17	4178445.88	9.17, 41784	13.2141	15.9724	27.93872	471.07205	258.82785	2485.7483	129.31081	100.45092	486.63208	3.94E-09	1.22E-07	3.91E-08	1.22E-12	3.67E-12	2.9E-12	0	0	0	0	1.971E-11	2.1022E-11	3.91276E-08	1.244E-12	0	6.2092E-13	0
770	570959.17	4178485.88	9.17, 41784	61.20406	15.71053	62.85492	1330.20017	250.50131	2800.83581	539.4281	101.77571	895.66291	5.79E-09	1.46E-07	1.34E-07	1.79E-12	5.4E-12	4.26E-12	0	0	0	0	2.897E-11	2.5239E-11	1.33805E-07	1.82882E-12	0	9.12822E-13	0
771	570959.17	4178525.88	9.17, 41785	233.18259	14.04006	12.98457	3491.90215	258.73899	2789.84609	1687.05022	110.68808	397.86928	7.76E-09	1.92E-07	3.56E-07	2.4E-12	7.23E-12	5.71E-12	0	0	0	0	3.881E-11	3.3185E-11	3.56143E-07	2.44963E-12	0	1.22269E-12	0
772	570999.17	4178285.88	9.17, 41782	4.82709	7.01905	1.81527	541.05323	230.67805	782.52024	117.6944	82.70868	130.42004	1.44E-09	7.4E-08	2.75E-08	4.44E-13	1.34E-12	1.06E-12	0	0	0	0	7.202E-12	1.2762E-11	2.75083E-08	4.54621E-13	0	2.26916E-13	0
773	570999.17	4178325.88	9.17, 41783	3.49216	17.23511	2.06149	334.8047	281.26172	702.77079	73.88295	121.01705	110.07877	3.3E-09	7.7E-08	1.8E-08	1.02E-12	3.08E-12	2.43E-12	0	0	0	0	1.651E-11	1.3274E-11	1.79999E-08	1.04195E-12	0	5.20071E-13	0
774	570999.17	4178365.88	9.17, 41783	3.49499	15.86199	2.88936	258.09779	262.50756	719.40934	51.99585	99.38677	89.92617	3.07E-09	7.24E-08	1.3E-08	9.47E-13	2.86E-12	2.26E-12	0	0	0	0	1.535E-11	1.2479E-11	1.29907E-08	9.68901E-13	0	4.83609E-13	0
775	570999.17	4178405.88	9.17, 41784	4.67229	14.08019	6.50261	269.25985	258.20089	888.73579	48.54927	90.52886	138.83889	2.86E-09	7.62E-08	1.36E-08	8.82E-13	2.66E-12	2.1E-12	0	0	0	0	1.43E-11	1.3139E-11	1.35527E-08	9.02575E-13	0	4.50504E-13	0
776	570999.17	4178445.88	9.17, 41784	8.21208	17.59623	13.45709	365.10896	254.50285	1091.31402	80.87758	113.65243	185.77432	3.76E-09	8.28E-08	2.14E-08	1.16E-12	3.5E-12	2.77E-12	0	0	0	0	1.881E-11	1.427E-11	2.13968E-08	1.18713E-12	0	5.92536E-13	0
777	570999.17	4178485.88	9.17, 41784	18.06608	14.21786	20.31738	585.19163	263.25351	1140.06137	156.20535	101.07997	297.24229	3.52E-09	9.02E-08	3.97E-08	1.09E-12	3.28E-12	2.59E-12	0	0	0	0	1.761E-11	1.5553E-11	3.9729E-08	1.11136E-12	0	5.54717E-13	0
778	571039.17	4178245.88	9.17, 41782	16.91212	6.90765	2.82369	857.31055	271.11205	1316.76682	274.95229	93.64332	189.48612	1.7E-09	1.02E-07	6.13E-08	5.24E-13	1.58E-12	1.25E-12	0	0	0	0	8.484E-12	1.7567E-11	6.12761E-08	5.35532E-13	0	2.67301E-13	0
779	571039.17	4178285.88	9.17, 41782	28.85834	15.10006	3.68614	1240.055	260.3069	1323.38037	549.80999	92.85324	215.01085	3.48E-09	1.08E-07	1.18E-07	1.07E-12	3.24E-12	2.56E-12	0	0	0	0	1.738E-11	1.8622E-11	1.18281E-07	1.0972E-12	0	5.47648E-13	0
780	571039.17	4178325.88	9.17, 41783	6.67676	17.1171	4.10991	443.85334	276.43557	1246.54946	131.23026	111.87763	155.81868	3.4E-09	9.25E-08	3.09E-08	1.05E-12	3.17E-12	2.5E-12	0	0	0	0	1.699E-11	1.5943E-11	3.09417E-08	1.07271E-12	0	5.35424E-13	0
781	571039.17	4178365.88	9.17, 41783	4.40971	16.57374	4.87433	310.01939	259.88486	992.68074	73.97776	106.04392	160.75052	3.27E-09	8.01E-08	1.93E-08	1.01E-12	3.05E-12	2.41E-12	0	0	0	0	1.636E-11	1.3803E-11	1.93335E-08	1.03253E-12	0	5.15367E-13	0
782	571039.17	4178405.88	9.17, 41784	4.40492	15.47088	6.2465	249.62047	251.60574	625.26496	54.55389	95.67705	86.62547	3.1E-09	6.78E-08	1.34E-08	9.58E-13	2.89E-12	2.28E-12	0	0	0	0	1.552E-11	1.1681E-11	1.34295E-08	9.79595E-13	0	4.88947E-13	0
783	571039.17	4178445.88	9.17, 41784	6.02235	17.33371	7.45895	271.18693	258.43077	565.95619	53.34538	113.33058	91.15286	3.51E-09	6.79E-08	1.33E-08	1.08E-12	3.27E-12	2.58E-12	0	0	0	0	1.756E-11	1.171E-11	1.32991E-08	1.10843E-12	0	5.53254E-13	0
784	571079.17	4178245.88	9.17, 41782	26.90238	12.76385	4.78342	686.22219	257.40547	1959.72628	294.80616	92.56412	417.67679	3.03E-09	1.12E-07	7.13E-08	9.36E-13	2.83E-12	2.23E-12	0	0	0	0	1.517E-11	1.9394E-11	7.12638E-08	9.57526E-13	0	4.77932E-13	0
785	571079.17	4178285.88	9.17, 41782	49.90964	15.92317	13.80121	957.6563	283.49226	4117.74908	414.11972	108.09945	689.22522	4.33E-09	1.79E-07	1.03E-07	1.34E-12	4.03E-12	3.18E-12	0	0	0	0	2.164E-11	3.0843E-11	1.02764E-07	1.36571E-12	0	6.81668E-13	0
786	571079.17	4178325.88	9.17, 41783	16.67986	14.36437	14.4793	793.60016	243.70787	3077.685	313.14105	91.11491	664.711	3.37E-09	1.41E-07	8.14E-08	1.04E-12	3.14E-12	2.48E-12	0	0	0	0	1.684E-11	2.4342E-11	8.14289E-08	1.06302E-12	0	5.30587E-13	0
787	571079.17	4178365.88	9.17, 41783	6.18218	17.09307	7.0902	419.38901	255.0076	1488.27193	110.95083	108.56867	287.95219	3.46E-09	9.43E-08	3.02E-08	1.07E-12	3.23E-12	2.55E-12	0	0	0	0	1.731E-11	1.6255E-11	3.02114E-08	1.09247E-12	0	5.45286E-13	0
788	571079.17	4178405.88	9.17, 41784	4.42977	14.91	5.35349	310.20505	209.99469	815.89349	72.09993	91.11305	117.58287	2.98E-09	6.63E-08	1.78E-08	9.19E-13	2.77E-12	2.19E-12	0	0	0	0	1.489E-11	1.1428E-11	1.7829E-08	9.39834E-13	0	4.69101E-13	0
789	571119.17	4178285.88	9.17, 41782	25.0824	15.07438	138.00946	507.91812	256.39153	16734.57469	211.8106	106.96205	4271.60103	6.88E-09	4.92E-07	1.54E-07	2.12E-12	6.41E-12	5.06E-12	0	0	0	0	3.438E-11	8.4789E-11	1.54199E-07	2.17045E-12	0	1.08334E-12	0
790	571119.17	4178325.88	9.17, 41783	197.49067	14.51391	52.98238	3348.29445	230.6601	7805.71053	1622.72219	95.52079	2122.69744	8.15E-09	3.14E-07	3.88E-07	2.51E-12	7.59E-12	5.99E-12	0	0	0	0	4.073E-11	5.4207E-11	3.87689E-07	2.57086E-12	0	1.2832E-12	0

791	571119.17	4178365.88	9.17, 41783	10.01384	12.46582	9.59129	630.48898	206.62645	2115.5821	198.58486	83.22549	424.70779	2.75E-09	1.06E-07	5.17E-08	8.5E-13	2.57E-12	2.03E-12	0	0	0	0	1.377E-11	1.8279E-11	5.1722E-08	8.68959E-13	0	4.33725E-13	0
792	571159.17	4178325.88	9.17, 41783	219.15803	19.05137	35.48029	3124.9508	277.70648	3646.5914	1560.39264	128.55095	753.34584	8.98E-09	2.11E-07	3.39E-07	2.77E-12	8.36E-12	6.61E-12	0	0	0	0	4.489E-11	3.6305E-11	3.39399E-07	2.83333E-12	0	1.41421E-12	0
793	570808.82	4178464.81	8.82, 41784	10.95844	3.34212	2.15804	1253.90468	193.66587	956.23037	302.59047	56.7134	159.37173	8.99E-10	8.65E-08	6.62E-08	2.77E-13	8.38E-13	6.62E-13	0	0	0	0	4.495E-12	1.4913E-11	6.61606E-08	2.83764E-13	0	1.41636E-13	0
794	570823.91	4178529.88	3.91, 41785	3.05561	3.25593	2.40542	358.64643	197.99385	1108.94733	70.39413	63.38636	140.39269	7.26E-10	7.27E-08	1.81E-08	2.24E-13	6.76E-13	5.34E-13	0	0	0	0	3.628E-12	1.2531E-11	1.80709E-08	2.29028E-13	0	1.14315E-13	0
795	570883.31	4178602.01	3.31, 41786	3.07425	4.49746	2.05933	479.66242	287.53386	914.81532	94.76169	103.00469	119.05382	9.46E-10	8.67E-08	2.25E-08	2.92E-13	8.81E-13	6.96E-13	0	0	0	0	4.729E-12	1.494E-11	2.25126E-08	2.98511E-13	0	1.48997E-13	0
796	571181.45	4178310.17	1.45, 41783	77.30582	13.12592	35.80897	2585.53888	242.23364	1672.90767	872.95261	114.20023	513.62427	4.95E-09	1.42E-07	1.92E-07	1.53E-12	4.61E-12	3.64E-12	0	0	0	0	2.475E-11	2.4424E-11	1.92265E-07	1.56258E-12	0	7.79936E-13	0
797	571067.83	4178206.53	7.83, 41782	5.36607	4.9243	1.64986	895.65181	299.02694	904.65641	223.56067	96.05921	144.20823	1.06E-09	9.71E-08	4.96E-08	3.28E-13	9.89E-13	7.81E-13	0	0	0	0	5.307E-12	1.6748E-11	4.95672E-08	3.34988E-13	0	1.67203E-13	0
798	570799.89	4178446.83	9.89, 41784	4.88888	2.78293	1.75814	732.83791	152.28075	768.58836	142.77112	52.0733	124.31973	6.6E-10	6.32E-08	3.25E-08	2.04E-13	6.15E-13	4.86E-13	0	0	0	0	3.299E-12	1.0895E-11	3.24905E-08	2.0823E-13	0	1.03934E-13	0

		Emissions Rates (g/s)		
		Trenching	**Grading**	**Stockpile**
1	1,1,1-Trichloroethane (TCE)	1.41E-12	1.25E-11	5.06E-08
2	1,1-Dichloroethane (DCA)	1.20E-12	1.06E-11	4.32E-08
3	1,2-Dichlorobenzene	1.61E-13	1.43E-12	5.81E-09
4	1,3,5-Trimethylbenzene	1.03E-11	9.14E-11	3.70E-07
5	1,4-Dichlorobenzene	3.16E-13	2.81E-12	1.14E-08
6	Acrylonitrile	9.28E-13	8.24E-12	3.34E-08
7	Benzene	9.01E-12	8.00E-11	3.24E-07
8	Chlorobenzene	2.05E-13	1.82E-12	7.38E-09
9	Chloroform	5.39E-13	4.79E-12	1.94E-08
10	cis-1,2-Dichloroethene	9.21E-13	8.18E-12	3.31E-08
11	Ethylbenzene	1.59E-10	1.41E-09	5.71E-06
12	Styrene	8.61E-14	7.65E-13	3.10E-09
13	Tetrachloroethene	1.03E-12	9.13E-12	3.70E-08
14	Toluene	5.96E-12	5.29E-11	2.15E-07
15	Trichloroethene	5.46E-12	4.85E-11	1.96E-07
16	Xylenes	2.74E-11	2.43E-10	9.86E-07

Trenching	
Aermod Emissions Rate Unitizied	0.25 g/s
Stockpile	0.5 g/s

			Hazards		
	Pollutant	Cancer Risk (m	Acute	Chronic	8-Hour
	1,1,1,2-Tetrachloroeth	0.20	1.00	1.00	1.00
VOCs	1,1,1-Trichloroethane	0.06	1.00	1.00	1.00
	1,1,2,2-Tetrachloroeth	0.20	1.00	1.00	1.00
	1,1,2-Trichloroethane	0.06	1.00	1.00	1.00
	1,1-Dichloroethane	0.01	1.00	1.00	1.00
	1,2,3-Trimethylbenzene		2400.00	4.00	8.00
	1,2-Dibromo-3-Chloro	7.00	1.00	1.00	1.00
	1,2-Dichlorobenzene	0.04	1.00	800.00	1.00
	1,2-Dichloroethane	0.01	1.00	1.00	1.00
	1,3,5-Trimethylbenzene		2400.00	4.00	8.00
	1,4-Dichlorobenzene	0.04	1.00	800.00	1.00
	Acrylonitrile	1.00	1.00	5.00	1.00
	Benzene	0.10	27.00	3.00	3.00
	Chlorobenzene		1.00	1000.00	1.00
	Chloroform	0.02	150.00	300.00	1.00
	cis-1,2-Dichloroethene	0.01	1.00	1.00	1.00
	Ethylbenzene	0.01	1.00	2000.00	1.00
	Styrene		21000.00	900.00	1.00
	Tetrachloroethene	0.20	1.00	1.00	1.00
	Toluene		5000.00	420.00	830.00
	Trichloroethene	0.06	1.00	1.00	1.00
	Xylenes		22000.00	700.00	1.00
SVOCS					
	1,4-Dichlorobenzene	0.04	1.00	800.00	1.00
	2,4,6-Trichlorophenol	0.07	1.00	1.00	1.00
	2,4-Dinitrotoluene	0.31	1.00	1.00	1.00
	3,3-Dichlorobenzidine	1.20	1.00	1.00	1.00
	Benzidine	500.00	1.00	1.00	1.00
	Benzo(a)anthracene	0.39	1.00	1.00	1.00
	Benzo(a)pyrene	3.90	1.00	1.00	1.00
	Bis(2-chloroethyl)ethe	2.50	1.00	1.00	1.00
	Chrysene	0.04	1.00	1.00	1.00
	Dibenz(a,h)anthracene	4.10	1.00	1.00	1.00
	Hexachlorobenzene	1.80	1.00	1.00	1.00
	Indeno(1,2,3-cd)pyren	0.39	1.00	1.00	1.00
	Isophorone		1.00	2000.00	1.00
	Naphthalene	0.12	1.00	9.00	1.00
	n-Nitrosodimethylami	16.00	1.00	1.00	1.00
	n-Nitrosodi-n-propyla	7.00	1.00	1.00	1.00
	n-Nitrosodiphenylami	0.01	1.00	1.00	1.00
	Pentachlorophenol	0.02	1.00	1.00	1.00
	Phenol		5800.00	200.00	1.00

#	X,Y	Unmitigated Risk																	Per Million
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Total	
1	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.77E-12	0.0
2	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.95E-12	0.0
3	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.14E-12	0.0
4	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.32E-12	0.0
5	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.50E-12	0.0
6	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.66E-12	0.0
7	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.76E-12	0.0
8	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.85E-12	0.0
9	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.99E-12	0.0
10	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.25E-12	0.0
11	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.52E-12	0.0
12	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.66E-12	0.0
13	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.71E-12	0.0
14	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.72E-12	0.0
15	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.56E-12	0.0
16	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.32E-12	0.0
17	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.31E-12	0.0
18	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.32E-12	0.0
19	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.05E-12	0.0
20	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.80E-12	0.0
21	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.76E-12	0.0
22	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.99E-12	0.0
23	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.07E-12	0.0
24	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.90E-12	0.0
25	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.91E-12	0.0
26	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.08E-12	0.0
27	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.19E-12	0.0
28	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.13E-12	0.0
29	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.25E-12	0.0
30	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.49E-12	0.0
31	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.86E-12	0.0
32	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.35E-12	0.0
33	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.99E-12	0.0
34	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.88E-12	0.0
35	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.09E-12	0.0
36	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.32E-12	0.0
37	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.53E-12	0.0
38	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.76E-12	0.0
39	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.98E-12	0.0
40	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.16E-12	0.0
41	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.30E-12	0.0
42	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.43E-12	0.0
43	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.69E-12	0.0
44	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.05E-12	0.0
45	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.35E-12	0.0
46	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.53E-12	0.0
47	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.67E-12	0.0
48	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.66E-12	0.0
49	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.43E-12	0.0
50	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.28E-12	0.0
51	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.26E-12	0.0
52	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.94E-12	0.0
53	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.60E-12	0.0
54	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.59E-12	0.0
55	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.92E-12	0.0
56	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.94E-12	0.0
57	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.76E-12	0.0
58	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.89E-12	0.0
59	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.10E-12	0.0
60	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.25E-12	0.0
61	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.31E-12	0.0
62	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.60E-12	0.0
63	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.13E-12	0.0
64	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.92E-12	0.0
65	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.80E-12	0.0
66	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.61E-12	0.0
67	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.01E-12	0.0
68	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.24E-12	0.0
69	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.49E-12	0.0
70	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.76E-12	0.0
71	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.02E-12	0.0
72	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.29E-12	0.0
73	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.55E-12	0.0
74	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.78E-12	0.0
75	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.96E-12	0.0
76	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.21E-12	0.0
77	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.62E-12	0.0
78	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.07E-12	0.0
79	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.43E-12	0.0
80	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.77E-12	0.0
81	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.02E-12	0.0
82	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.98E-12	0.0
83	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.74E-12	0.0
84	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.56E-12	0.0
85	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.21E-12	0.0
86	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.74E-12	0.0
87	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.52E-12	0.0
88	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.20E-12	0.0
89	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.13E-12	0.0
90	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.01E-12	0.0
91	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.33E-12	0.0
92	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.59E-12	0.0
93	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.81E-12	0.0
94	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.29E-12	0.0
95	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.01E-12	0.0
96	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.22E-12	0.0
97	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.05E-11	0.0
98	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.14E-11	0.0
99	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.18E-11	0.0
100	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.13E-12	0.0
101	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.39E-12	0.0
102	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.68E-12	0.0
103	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.00E-12	0.0
104	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.32E-12	0.0
105	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.64E-12	0.0
106	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.96E-12	0.0
107	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.27E-12	0.0
108	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.53E-12	0.0
109	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.80E-12	0.0
110	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.24E-12	0.0
111	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.85E-12	0.0
112	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.40E-12	0.0
113	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.98E-12	0.0
114	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.61E-12	0.0
115	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.01E-12	0.0
116	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.96E-12	0.0
117	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.50E-12	0.0
118	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.05E-12	0.0
119	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.43E-12	0.0
120	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.16E-12	0.0

Worker Unmitigated Risk																	Per Million
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Total	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.02612E-14	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.50025E-14	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.96828E-14	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.43545E-14	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.8904E-14	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.28249E-14	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.55413E-14	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.76465E-14	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.01306E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.07802E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.14656E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.18411E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.19625E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.19713E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.15864E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.09771E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.09352E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.0978E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.02709E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.64073E-14	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.54213E-14	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.01314E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.03261E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.90967E-14	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.9306E-14	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.03478E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.06411E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.04918E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.07984E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.13914E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.23265E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.35855E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.52102E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.31687E-14	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.85387E-14	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.4162E-14	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.9637E-14	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.54264E-14	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.00998E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.05644E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.09076E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.12579E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.18962E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.28095E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.3577E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.40372E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.43909E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.43805E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.37878E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.34073E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.33566E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.25501E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.16676E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.16423E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.24804E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.25389E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.20771E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.24044E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.29588E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.33229E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.34723E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.42268E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.55514E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.75638E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.98074E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.18449E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.63032E-14	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.23455E-14	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.86585E-14	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.54519E-14	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.02176E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.08969E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.15493E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.21326E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.25877E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.32139E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.42573E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5409E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.6325E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.71842E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.78112E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.77136E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.71026E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.66443E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.57531E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.45625E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.40149E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.57463E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.55604E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.52584E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.60624E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.67304E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.72902E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.84996E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.03288E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.34018E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.65393E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.88351E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.98694E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.95772E-14	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.61522E-14	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.34955E-14	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.01415E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.09667E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.17797E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.25892E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.33865E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.40459E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.47211E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5851E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.73782E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.87936E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.0265E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.18541E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.28644E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.27556E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.15781E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.04258E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.88738E-13	0.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.81777E-13	0.0

```
121 571150.55, 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 8.04E-12 0.0    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2.04016E-13 0.0
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123 571230.55, 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 8.00E-12 0.0    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2.03119E-13 0.0
124 571270.55, 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 8.55E-12 0.0    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2.16941E-13 0.0
125 571310.55, 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 8.99E-12 0.0    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2.28329E-13 0.0
126 571350.55, 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 9.75E-12 0.0    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2.47565E-13 0.0
127 571390.55, 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1.10E-11 0.0    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2.80365E-13 0.0
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135 570390.55, 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3.87E-12 0.0    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 9.81579E-14 0.0
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183 570990.55, 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1.71E-11 0.0    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 4.34903E-13 0.0
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244 570790.55, 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1.21E-11 0.0    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3.08038E-13 0.0
```

245	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.36E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.44113E-13	0.0
246	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.57E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.97593E-13	0.0
247	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.98E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.01865E-13	0.0
248	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.67E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.78289E-13	0.0
249	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.64E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.24582E-13	0.0
250	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.74E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.20259E-12	0.0
251	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.81E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.22204E-12	0.0
252	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.46E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.1318E-12	0.0
253	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.92E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.24964E-12	0.0
254	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.60E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.67583E-12	0.0
255	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.08E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.30421E-12	0.0
256	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.57E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.43006E-12	0.0
257	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.13E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.06338E-12	0.0
258	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.34E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.60916E-12	0.0
259	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.89E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.24055E-12	0.0
260	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.86E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.7872E-13	0.0
261	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.11E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.89068E-13	0.0
262	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.55E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.47703E-13	0.0
263	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.14E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.43017E-13	0.0
264	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.81E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.60594E-13	0.0
265	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.58E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.09708E-14	0.0
266	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.97E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.00785E-13	0.0
267	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.44E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.12634E-13	0.0
268	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.01E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.27241E-13	0.0
269	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.72E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.4515E-13	0.0
270	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.57E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.66673E-13	0.0
271	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.56E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.92038E-13	0.0
272	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.74E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.21796E-13	0.0
273	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.01E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.56515E-13	0.0
274	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.16E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.94657E-13	0.0
275	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.30E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.30515E-13	0.0
276	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.40E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.54976E-13	0.0
277	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.47E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.73218E-13	0.0
278	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.61E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.09783E-13	0.0
279	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.82E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.6308E-13	0.0
280	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.26E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.73746E-13	0.0
281	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.06E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.76321E-13	0.0
282	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.54E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.15348E-12	0.0
283	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.92E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.01012E-12	0.0
284	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.22E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.08479E-12	0.0
285	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.67E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.23117E-12	0.0
286	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.67E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.7771E-12	0.0
287	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.19E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.5572E-12	0.0
288	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.45E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.68097E-12	0.0
289	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.84E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.49733E-12	0.0
290	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.12E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.80805E-12	0.0
291	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.39E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.36947E-12	0.0
292	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.26E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.08076E-12	0.0
293	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.43E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.69727E-13	0.0
294	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.83E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.18294E-13	0.0
295	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.38E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.04718E-13	0.0
296	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.01E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.1111E-13	0.0
297	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.64E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.2455E-14	0.0
298	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.03E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.02383E-13	0.0
299	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.50E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.1424E-13	0.0
300	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.07E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.28761E-13	0.0
301	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.79E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.46992E-13	0.0
302	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.71E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.70236E-13	0.0
303	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.87E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.9974E-13	0.0
304	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.31E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.36421E-13	0.0
305	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.11E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.81145E-13	0.0
306	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.32E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.34664E-13	0.0
307	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.55E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.94567E-13	0.0
308	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.75E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.45352E-13	0.0
309	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.88E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.78237E-13	0.0
310	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.00E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.07984E-13	0.0
311	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.21E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.62001E-13	0.0
312	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.70E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.84625E-13	0.0
313	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.62E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.19139E-13	0.0
314	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.12E-09	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.37244E-11	0.0
315	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.11E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.80555E-11	0.0
316	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.33E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.45739E-12	0.0
317	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.94E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.93644E-12	0.0
318	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.28E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.26169E-12	0.0
319	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.07E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.30272E-12	0.0
320	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.71E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.70208E-12	0.0
321	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.13E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.30232E-12	0.0
322	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.08E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.03625E-12	0.0
323	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.30E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.37778E-13	0.0
324	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.72E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.89788E-13	0.0
325	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.29E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.80745E-13	0.0
326	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.68E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.3302E-14	0.0
327	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.08E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.03579E-13	0.0
328	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.56E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.15742E-13	0.0
329	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.14E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.30498E-13	0.0
330	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.86E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.48669E-13	0.0
331	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.76E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.71625E-13	0.0
332	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.94E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.01662E-13	0.0
333	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.53E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.41871E-13	0.0
334	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.17E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.96086E-13	0.0
335	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.45E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.66936E-13	0.0
336	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.80E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.56142E-13	0.0
337	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.19E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.55918E-13	0.0
338	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.52E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.40521E-13	0.0
339	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.66E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.7477E-13	0.0
340	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.80E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.11735E-13	0.0
341	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.26E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.26962E-13	0.0
342	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.32E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.11264E-11	0.0
343	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.98E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.0115E-11	0.0
344	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.28E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.79727E-12	0.0
345	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.46E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.69763E-12	0.0
346	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.00E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.54749E-12	0.0
347	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.30E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.85438E-12	0.0
348	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.55E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.409E-12	0.0
349	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.35E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.10441E-12	0.0
350	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.50E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.88604E-13	0.0
351	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.87E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.29551E-13	0.0
352	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.39E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.06793E-13	0.0
353	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.71E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.42449E-14	0.0
354	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.13E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.04862E-13	0.0
355	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.62E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.17357E-13	0.0
356	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.22E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.32594E-13	0.0
357	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.96E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5128E-13	0.0
358	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.88E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.74646E-13	0.0
359	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.06E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.04622E-13	0.0
360	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.64E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.44631E-13	0.0
361	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.18E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.00289E-13	0.0
362	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.50E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.81408E-13	0.0
363	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.98E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.01664E-13	0.0
364	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.65E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.72708E-13	0.0
365	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.40E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.6306E-13	0.0
366	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.09E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.03874E-12	0.0
367	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.10E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.04146E-12	0.0
368	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.68E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.3471E-12	0.0

369	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.90E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.35727E-12	0.0
370	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.10E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.33498E-12	0.0
371	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.54E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.89998E-12	0.0
372	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.13E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.87294E-12	0.0
373	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.53E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.16443E-12	0.0
374	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.56E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.66626E-12	0.0
375	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.16E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.31068E-12	0.0
376	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.15E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.05259E-12	0.0
377	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.39E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.61461E-13	0.0
378	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.82E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.16201E-13	0.0
379	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.36E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.98993E-13	0.0
380	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.76E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.54322E-14	0.0
381	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.20E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.06644E-13	0.0
382	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.70E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.19374E-13	0.0
383	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.32E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.34925E-13	0.0
384	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.07E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.54152E-13	0.0
385	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.02E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.78304E-13	0.0
386	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.25E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.09468E-13	0.0
387	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.89E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.50936E-13	0.0
388	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.21E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.07982E-13	0.0
389	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.54E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.90771E-13	0.0
390	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.05E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.20734E-13	0.0
391	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.93E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.43993E-13	0.0
392	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.24E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.07656E-12	0.0
393	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.07E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.79497E-12	0.0
394	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.91E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.83719E-12	0.0
395	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.64E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.15214E-12	0.0
396	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.37E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.47239E-12	0.0
397	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.17E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.98277E-12	0.0
398	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.37E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.37908E-12	0.0
399	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.68E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.94841E-12	0.0
400	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.39E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.62291E-12	0.0
401	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.33E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.35222E-12	0.0
402	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.45E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.12892E-12	0.0
403	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.72E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.45366E-13	0.0
404	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.15E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.9852E-13	0.0
405	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.67E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.77573E-13	0.0
406	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.29E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.8013E-13	0.0
407	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.77E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.55983E-14	0.0
408	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.19E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.06303E-13	0.0
409	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.71E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.19671E-13	0.0
410	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.35E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.35929E-13	0.0
411	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.13E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5568E-13	0.0
412	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.13E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.80932E-13	0.0
413	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.43E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.13886E-13	0.0
414	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.02E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.58305E-13	0.0
415	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.26E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.20537E-13	0.0
416	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.62E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.12084E-13	0.0
417	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.19E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.56116E-13	0.0
418	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.16E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.02712E-13	0.0
419	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.14E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.30367E-12	0.0
420	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.83E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.65816E-12	0.0
421	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.46E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.69836E-12	0.0
422	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.16E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9548E-12	0.0
423	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.69E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.4597E-12	0.0
424	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.19E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.07844E-12	0.0
425	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.18E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.82269E-12	0.0
426	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.98E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.519E-12	0.0
427	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.02E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.27546E-12	0.0
428	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.33E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.09819E-12	0.0
429	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.75E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.51221E-13	0.0
430	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.24E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.22582E-13	0.0
431	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.83E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.18532E-13	0.0
432	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.47E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.26587E-13	0.0
433	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.15E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.45208E-13	0.0
434	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.68E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.35033E-14	0.0
435	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.14E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.05012E-13	0.0
436	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.63E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.1762E-13	0.0
437	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.23E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.32874E-13	0.0
438	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.02E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.52931E-13	0.0
439	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.07E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.79414E-13	0.0
440	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.44E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.1421E-13	0.0
441	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.03E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.60471E-13	0.0
442	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.28E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.25812E-13	0.0
443	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.67E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.23008E-13	0.0
444	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.28E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.78007E-13	0.0
445	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.36E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.52519E-13	0.0
446	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.61E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.42301E-12	0.0
447	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.85E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.76886E-12	0.0
448	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.25E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.71036E-12	0.0
449	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.53E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.88974E-12	0.0
450	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.11E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.82994E-12	0.0
451	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.74E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.21984E-12	0.0
452	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.04E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.78752E-12	0.0
453	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.93E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.50443E-12	0.0
454	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.19E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.3186E-12	0.0
455	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.39E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.11413E-12	0.0
456	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.70E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.40009E-13	0.0
457	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.19E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.09526E-13	0.0
458	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.80E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.11385E-13	0.0
459	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.47E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.27165E-13	0.0
460	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.18E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.53991E-13	0.0
461	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.94E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.92161E-13	0.0
462	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.60E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.13212E-14	0.0
463	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.00E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.01563E-13	0.0
464	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.46E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.13107E-13	0.0
465	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.06E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.28448E-13	0.0
466	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.82E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.47623E-13	0.0
467	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.85E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.74002E-13	0.0
468	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.24E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.09104E-13	0.0
469	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.99E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.53698E-13	0.0
470	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.25E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.16115E-13	0.0
471	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.61E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.0831E-13	0.0
472	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.18E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.54572E-13	0.0
473	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.21E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.13751E-13	0.0
474	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.79E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.21584E-12	0.0
475	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.06E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.02965E-11	0.0
476	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.62E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.65897E-12	0.0
477	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.79E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.55097E-12	0.0
478	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.27E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.23617E-12	0.0
479	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.53E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.42011E-12	0.0
480	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.55E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.91755E-12	0.0
481	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.07E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.54022E-12	0.0
482	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.97E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.26077E-12	0.0
483	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.30E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.09145E-12	0.0
484	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.80E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.6388E-13	0.0
485	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.27E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.2906E-13	0.0
486	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.79E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.07453E-13	0.0
487	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.42E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.14023E-13	0.0
488	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.13E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.41408E-13	0.0
489	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.90E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.82423E-13	0.0
490	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.71E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.33812E-13	0.0
491	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.51E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.90692E-14	0.0
492	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.87E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.83336E-14	0.0

```
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611 571230.55,  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  2.01E-11  0.0    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  5.10908E-13  0.0
612 571270.55,  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  1.88E-11  0.0    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  4.77041E-13  0.0
613 571310.55,  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  1.75E-11  0.0    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  4.44014E-13  0.0
614 571350.55,  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  1.60E-11  0.0    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  4.05401E-13  0.0
615 571390.55,  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  1.46E-11  0.0    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  3.71773E-13  0.0
616 571430.55,  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  1.37E-11  0.0    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  3.48649E-13  0.0
```

617	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.31E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.32692E-13	0.0
618	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.24E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.14527E-13	0.0
619	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.15E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.91868E-13	0.0
620	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.05E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.6693E-13	0.0
621	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.37E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.55957E-14	0.0
622	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.79E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.61525E-14	0.0
623	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.29E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.08901E-13	0.0
624	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.90E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.24426E-13	0.0
625	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.66E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.4361E-13	0.0
626	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.58E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.66985E-13	0.0
627	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.75E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.96708E-13	0.0
628	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.12E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.31478E-13	0.0
629	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.06E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.69671E-13	0.0
630	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.21E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.07727E-13	0.0
631	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.35E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.43384E-13	0.0
632	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.48E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.75882E-13	0.0
633	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.56E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.96466E-13	0.0
634	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.71E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.34273E-13	0.0
635	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.09E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.29327E-13	0.0
636	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.00E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.07557E-13	0.0
637	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.96E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.98464E-13	0.0
638	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.02E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.11999E-13	0.0
639	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.05E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.21631E-13	0.0
640	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.94E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.91358E-13	0.0
641	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.82E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.63108E-13	0.0
642	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.82E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.61108E-13	0.0
643	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.75E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.45289E-13	0.0
644	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.61E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.08311E-13	0.0
645	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.48E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.74588E-13	0.0
646	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.37E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.48802E-13	0.0
647	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.28E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.24692E-13	0.0
648	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.18E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.00304E-13	0.0
649	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.10E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.79958E-13	0.0
650	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.05E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.67085E-13	0.0
651	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.02E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.57747E-13	0.0
652	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.75E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.4759E-13	0.0
653	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.20E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.33601E-13	0.0
654	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.40E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.63555E-14	0.0
655	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.81E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.66939E-14	0.0
656	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.29E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.09015E-13	0.0
657	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.88E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.2385E-13	0.0
658	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.57E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.41471E-13	0.0
659	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.41E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.62759E-13	0.0
660	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.34E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.86343E-13	0.0
661	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.31E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.11011E-13	0.0
662	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.25E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.34816E-13	0.0
663	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.01E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.56736E-13	0.0
664	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.09E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.77609E-13	0.0
665	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.16E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.93933E-13	0.0
666	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.19E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.02813E-13	0.0
667	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.35E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.42821E-13	0.0
668	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.57E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.98027E-13	0.0
669	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.47E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.72796E-13	0.0
670	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.44E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.65159E-13	0.0
671	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.51E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.82172E-13	0.0
672	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.57E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.98414E-13	0.0
673	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.50E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.80759E-13	0.0
674	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.36E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.4601E-13	0.0
675	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.33E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.38593E-13	0.0
676	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.36E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.44497E-13	0.0
677	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.32E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.34409E-13	0.0
678	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.23E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.11557E-13	0.0
679	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.13E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.87301E-13	0.0
680	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.05E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.65908E-13	0.0
681	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.69E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.46078E-13	0.0
682	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.00E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.2851E-13	0.0
683	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.55E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.17035E-13	0.0
684	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.27E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.09873E-13	0.0
685	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.06E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.04562E-13	0.0
686	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.82E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.98623E-13	0.0
687	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.40E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.63294E-14	0.0
688	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.79E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.62575E-14	0.0
689	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.25E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.07967E-13	0.0
690	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.78E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.21466E-13	0.0
691	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.40E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.37017E-13	0.0
692	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.05E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.53599E-13	0.0
693	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.71E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.7033E-13	0.0
694	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.33E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.86058E-13	0.0
695	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.89E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.0024E-13	0.0
696	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.43E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.14056E-13	0.0
697	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.93E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.26597E-13	0.0
698	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.20E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.33491E-13	0.0
699	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.50E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.4111E-13	0.0
700	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.10E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.7929E-13	0.0
701	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.21E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.07937E-13	0.0
702	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.12E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.83079E-13	0.0
703	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.05E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.66795E-13	0.0
704	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.12E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.85085E-13	0.0
705	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.23E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.11031E-13	0.0
706	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.19E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.02708E-13	0.0
707	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.09E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.75722E-13	0.0
708	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.02E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.59534E-13	0.0
709	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.03E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.62446E-13	0.0
710	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.05E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.66336E-13	0.0
711	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.03E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.60465E-13	0.0
712	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.70E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.46345E-13	0.0
713	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.97E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.2773E-13	0.0
714	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.16E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.07255E-13	0.0
715	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.55E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.91731E-13	0.0
716	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.09E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.79943E-13	0.0
717	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.87E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.7451E-13	0.0
718	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.66E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.69017E-13	0.0
719	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.53E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.6588E-13	0.0
720	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.37E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.55699E-14	0.0
721	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.74E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.49478E-14	0.0
722	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.15E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.054E-13	0.0
723	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.61E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.17092E-13	0.0
724	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.08E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.29028E-13	0.0
725	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.55E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.40834E-13	0.0
726	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.97E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.51672E-13	0.0
727	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.36E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.61409E-13	0.0
728	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.72E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.70675E-13	0.0
729	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.09E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.79889E-13	0.0
730	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.35E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.86588E-13	0.0
731	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.44E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.88984E-13	0.0
732	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.84E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.98958E-13	0.0
733	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.12E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.3161E-13	0.0
734	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.61E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.43923E-13	0.0
735	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.82E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.23804E-13	0.0
736	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.87E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.25132E-13	0.0
737	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.32E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.36506E-13	0.0
738	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.64E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.44632E-13	0.0
739	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.60E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.43766E-13	0.0
740	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.93E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.26776E-13	0.0

741	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.31E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.10868E-13	0.0
742	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.11E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.05978E-13	0.0
743	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.23E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.08952E-13	0.0
744	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.34E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.1176E-13	0.0
745	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.24E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.09138E-13	0.0
746	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.84E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.99061E-13	0.0
747	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.24E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.83685E-13	0.0
748	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.60E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.67533E-13	0.0
749	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.08E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.54253E-13	0.0
750	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.76E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.46115E-13	0.0
751	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.62E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.42743E-13	0.0
752	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.49E-12	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.39354E-13	0.0
753	570839.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.28E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.25104E-12	0.0
754	570839.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.45E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.68919E-12	0.0
755	570879.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.88E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.50793E-12	0.0
756	570879.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.00E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.01556E-11	0.0
757	570879.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.12E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.8076E-11	0.0
758	570879.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.11E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.88681E-12	0.0
759	570879.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.20E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.04767E-12	0.0
760	570919.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.99E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.26794E-12	0.0
761	570919.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.02E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.58477E-12	0.0
762	570919.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.45E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.38403E-11	0.0
763	570919.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.61E-08	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.08558E-10	0.0
764	570919.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.21E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.32169E-11	0.0
765	570919.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.53E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.88564E-12	0.0
766	570959.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.64E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.1767E-12	0.0
767	570959.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.38E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.6194E-12	0.0
768	570959.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.49E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.79353E-12	0.0
769	570959.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.61E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.43925E-11	0.0
770	570959.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.16E-09	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.48734E-11	0.0
771	570959.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.47E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.13434E-11	0.0
772	570999.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.25E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.58625E-12	0.0
773	570999.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.10E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.80335E-12	0.0
774	570999.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.95E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.52573E-12	0.0
775	570999.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.24E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.67953E-12	0.0
776	570999.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.63E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.17512E-11	0.0
777	570999.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.99E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.77393E-11	0.0
778	571039.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.72E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.46681E-12	0.0
779	571039.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.27E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.22173E-12	0.0
780	571039.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.41E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.59155E-12	0.0
781	571039.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.68E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.25867E-12	0.0
782	571039.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.15E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.45625E-12	0.0
783	571039.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.57E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.51508E-12	0.0
784	571079.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.65E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.17903E-12	0.0
785	571079.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.75E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.20522E-11	0.0
786	571079.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.98E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.2643E-11	0.0
787	571079.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.44E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.19314E-12	0.0
788	571079.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.84E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.67659E-12	0.0
789	571119.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.75E-09	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.20478E-10	0.0
790	571119.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.82E-09	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.62583E-11	0.0
791	571119.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.30E-10	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.37554E-12	0.0
792	571159.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.22E-09	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.09815E-11	0.0
793	570808.82,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.42E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.88482E-12	0.0
794	570823.91,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.27E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.10056E-12	0.0
795	570883.31,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.09E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.79871E-12	0.0
796	571181.45,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.23E-09	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.12637E-11	0.0
797	571067.83,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.68E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.44142E-12	0.0
798	570799.89,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.05E-11	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.53547E-12	0.0

		Unmitigated Chronic Hazard																	
#	X,Y	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Total Chronic	Chronic Hazard
1	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.69153E-08	1.79435E-06
2	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.87316E-08	1.91544E-06
3	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.05245E-08	2.03496E-06
4	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.23141E-08	2.15427E-06
5	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.40569E-08	2.27046E-06
6	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.55589E-08	2.37059E-06
7	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.65994E-08	2.43996E-06
8	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.74059E-08	2.49373E-06
9	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.88077E-08	2.58718E-06
10	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.12962E-08	2.75308E-06
11	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.39218E-08	2.92812E-06
12	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.53601E-08	3.02401E-06
13	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.58253E-08	3.05502E-06
14	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.5859E-08	3.05727E-06
15	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.43844E-08	2.95896E-06
16	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.20504E-08	2.80336E-06
17	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.189E-08	2.79267E-06
18	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.20539E-08	2.8036E-06
19	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.93454E-08	2.62303E-06
20	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.69312E-08	2.46208E-06
21	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.65535E-08	2.4369E-06
22	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.88108E-08	2.58739E-06
23	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.95566E-08	2.6371E-06
24	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.79614E-08	2.53076E-06
25	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.80416E-08	2.53611E-06
26	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.964E-08	2.64266E-06
27	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.07635E-08	2.71757E-06
28	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.01916E-08	2.67944E-06
29	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.1366E-08	2.75773E-06
30	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.36374E-08	2.90916E-06
31	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.72198E-08	3.14799E-06
32	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.20427E-08	3.46951E-06
33	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.82666E-08	3.88444E-06
34	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.80291E-08	1.86861E-06
35	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.00862E-08	2.00575E-06
36	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.22403E-08	2.14935E-06
37	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.43377E-08	2.28918E-06
38	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.65554E-08	2.43703E-06
39	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.86896E-08	2.57931E-06
40	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.04694E-08	2.69796E-06
41	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.17843E-08	2.78562E-06
42	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.3126E-08	2.87507E-06
43	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.55713E-08	3.03809E-06
44	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.90699E-08	3.27133E-06
45	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.201E-08	3.46733E-06
46	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.37729E-08	3.58486E-06
47	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.51277E-08	3.67518E-06
48	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.5088E-08	3.67253E-06
49	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.28176E-08	3.52118E-06
50	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.13598E-08	3.42399E-06
51	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.11659E-08	3.41106E-06
52	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.80762E-08	3.20508E-06
53	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.46956E-08	2.97971E-06
54	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.45988E-08	2.97326E-06
55	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.78093E-08	3.18728E-06
56	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.80334E-08	3.20223E-06
57	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.62643E-08	3.08429E-06
58	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.75183E-08	3.16788E-06
59	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.96418E-08	3.30945E-06
60	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.10367E-08	3.40245E-06

61	571390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.16091E-08	3.4406E-06
62	571430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.44993E-08	3.63329E-06
63	571470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.95733E-08	3.97155E-06
64	571510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.72823E-08	4.48549E-06
65	571550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.58771E-08	5.05847E-06
66	571590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.36823E-08	5.57882E-06
67	570310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.92298E-08	1.94865E-06
68	570350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.15445E-08	2.10296E-06
69	570390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.39628E-08	2.26419E-06
70	570430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.65652E-08	2.43768E-06
71	570470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.91409E-08	2.6094E-06
72	570510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.17434E-08	2.7829E-06
73	570550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.42423E-08	2.94949E-06
74	570590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.64771E-08	3.09847E-06
75	570630.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.82203E-08	3.21469E-06
76	570670.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.06191E-08	3.3746E-06
77	570710.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.46162E-08	3.64108E-06
78	570750.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.9028E-08	3.9352E-06
79	570790.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.25369E-08	4.16913E-06
80	570830.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.58283E-08	4.38856E-06
81	570870.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.82301E-08	4.54868E-06
82	570910.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.78562E-08	4.52375E-06
83	570950.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.55158E-08	4.36772E-06
84	570990.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.37603E-08	4.25069E-06
85	571030.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.03462E-08	4.02308E-06
86	571070.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.57852E-08	3.71902E-06
87	571110.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.36875E-08	3.57917E-06
88	571150.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.03202E-08	4.02135E-06
89	571190.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.9608E-08	3.97387E-06
90	571230.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.84509E-08	3.89673E-06
91	571270.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.1531E-08	4.10207E-06
92	571310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.40898E-08	4.27266E-06
93	571350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.62345E-08	4.41564E-06
94	571390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.08674E-08	4.72449E-06
95	571430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.78743E-08	5.19162E-06
96	571470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.96463E-08	5.97642E-06
97	571510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.01665E-07	6.77768E-06
98	571550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.1046E-07	7.36399E-06
99	571590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.14422E-07	7.62813E-06
100	570310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.0484E-08	2.03227E-06
101	570350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.30027E-08	2.20018E-06
102	570390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.58158E-08	2.38772E-06
103	570430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.88496E-08	2.58997E-06
104	570470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.20107E-08	2.80071E-06
105	570510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.5125E-08	3.00833E-06
106	570550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.8226E-08	3.21506E-06
107	570590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.12803E-08	3.41869E-06
108	570630.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.38063E-08	3.58709E-06
109	570670.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.63927E-08	3.75951E-06
110	570710.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.07213E-08	4.04809E-06
111	570750.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.65715E-08	4.4381E-06
112	570790.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.19937E-08	4.79958E-06
113	570830.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.76299E-08	5.17533E-06
114	570870.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.37175E-08	5.58117E-06
115	570910.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.75879E-08	5.83919E-06
116	570950.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.71708E-08	5.81138E-06
117	570990.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.26601E-08	5.51067E-06
118	571030.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.82462E-08	5.21641E-06
119	571070.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.23008E-08	4.82006E-06
120	571110.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.96342E-08	4.64228E-06
121	571150.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.81534E-08	5.21023E-06
122	571190.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.64952E-08	5.09968E-06
123	571230.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.78099E-08	5.18733E-06
124	571270.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.31047E-08	5.54032E-06

125	571310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.74672E-08	5.83115E-06
126	571350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.4836E-08	6.3224E-06
127	571390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.07401E-07	7.16005E-06
128	571430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.25235E-07	8.34901E-06
129	571470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.40608E-07	9.37383E-06
130	571510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.48917E-07	9.92777E-06
131	571550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.48818E-07	9.92121E-06
132	571590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.41215E-07	9.41436E-06
133	570310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.16981E-08	2.11321E-06
134	570350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.4491E-08	2.2994E-06
135	570390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.76018E-08	2.50679E-06
136	570430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.11474E-08	2.74316E-06
137	570470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.4984E-08	2.99894E-06
138	570510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.90248E-08	3.26832E-06
139	570550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.29487E-08	3.52991E-06
140	570590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.67557E-08	3.78371E-06
141	570630.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.01549E-08	4.01032E-06
142	570670.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.30493E-08	4.20328E-06
143	570710.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.72212E-08	4.48142E-06
144	570750.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.42927E-08	4.95284E-06
145	570790.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.2237E-08	5.48247E-06
146	570830.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.04123E-08	6.02749E-06
147	570870.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.00969E-07	6.73125E-06
148	570910.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.1192E-07	7.46132E-06
149	570950.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.18724E-07	7.91491E-06
150	570990.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.13859E-07	7.59061E-06
151	571030.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.06068E-07	7.07122E-06
152	571070.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.92171E-08	6.61447E-06
153	571110.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.88262E-08	6.58841E-06
154	571150.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.06204E-07	7.08026E-06
155	571190.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.03747E-07	6.91649E-06
156	571230.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.10822E-07	7.38816E-06
157	571270.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.19961E-07	7.99741E-06
158	571310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.33155E-07	8.87703E-06
159	571350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.56167E-07	1.04111E-05
160	571390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.82367E-07	1.21578E-05
161	571430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.0167E-07	1.34447E-05
162	571470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.05169E-07	1.36779E-05
163	571510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.96044E-07	1.30696E-05
164	571550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.78077E-07	1.18718E-05
165	571590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.57678E-07	1.05119E-05
166	570310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.26914E-08	2.17943E-06
167	570350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.58723E-08	2.39149E-06
168	570390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.93844E-08	2.62563E-06
169	570430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.33615E-08	2.89077E-06
170	570470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.78671E-08	3.19114E-06
171	570510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.28344E-08	3.52229E-06
172	570550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.81597E-08	3.87731E-06
173	570590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.32946E-08	4.21964E-06
174	570630.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.79883E-08	4.53255E-06
175	570670.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.17225E-08	4.7815E-06
176	570710.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.5253E-08	5.01687E-06
177	570750.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.19407E-08	5.46271E-06
178	570790.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.22303E-08	6.14869E-06
179	570830.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.03728E-07	6.91517E-06
180	570870.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.19309E-07	7.95391E-06
181	570910.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.39619E-07	9.30791E-06
182	570950.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.60611E-07	1.07074E-05
183	570990.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.66601E-07	1.11067E-05
184	571030.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.55337E-07	1.03558E-05
185	571070.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.45935E-07	9.72899E-06
186	571110.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.43592E-07	9.57281E-06
187	571150.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.52517E-07	1.01678E-05
188	571190.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.54498E-07	1.02999E-05

189	571230.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.7342E-07	1.15613E-05
190	571270.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.99789E-07	1.33192E-05
191	571310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.43233E-07	1.62155E-05
192	571350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.85197E-07	1.90132E-05
193	571390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.02148E-07	2.01432E-05
194	571430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.8973E-07	1.93153E-05
195	571470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.59702E-07	1.73135E-05
196	571510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.25919E-07	1.50613E-05
197	571550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.9342E-07	1.28947E-05
198	571590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.65212E-07	1.10141E-05
199	570310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.3454E-08	2.23026E-06
200	570350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.70295E-08	2.46864E-06
201	570390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.10801E-08	2.73867E-06
202	570430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.56191E-08	3.04127E-06
203	570470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.07802E-08	3.38535E-06
204	570510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.66305E-08	3.77537E-06
205	570550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.33071E-08	4.22047E-06
206	570590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.04488E-08	4.69659E-06
207	570630.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.73267E-08	5.15511E-06
208	570670.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.32284E-08	5.54856E-06
209	570710.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.74218E-08	5.82812E-06
210	570750.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.23883E-08	6.15922E-06
211	570790.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.02545E-07	6.83636E-06
212	570830.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.16105E-07	7.7403E-06
213	570870.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.36484E-07	9.09892E-06
214	570910.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.68482E-07	1.12321E-05
215	570950.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.10973E-07	1.40649E-05
216	570990.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.48532E-07	1.65688E-05
217	571030.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.55475E-07	1.70317E-05
218	571070.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.38567E-07	1.59045E-05
219	571110.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.29038E-07	1.52692E-05
220	571150.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.43308E-07	1.62205E-05
221	571190.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.69137E-07	1.79424E-05
222	571230.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.3121E-07	2.20806E-05
223	571270.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.23125E-07	2.82083E-05
224	571310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.85401E-07	3.23601E-05
225	571350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.75219E-07	3.16813E-05
226	571390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.17625E-07	2.78417E-05
227	571430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.48529E-07	2.32352E-05
228	571470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.86518E-07	1.91012E-05
229	571510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.37845E-07	1.58563E-05
230	571550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.00041E-07	1.33361E-05
231	571590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.69822E-07	1.13215E-05
232	570310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.41429E-08	2.2762E-06
233	570350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.78924E-08	2.52616E-06
234	570390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.23644E-08	2.8243E-06
235	570430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.75991E-08	3.17327E-06
236	570470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.36599E-08	3.57733E-06
237	570510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.05671E-08	4.03781E-06
238	570550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.85481E-08	4.56987E-06
239	570590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.77669E-08	5.18446E-06
240	570630.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.76817E-08	5.84545E-06
241	570670.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.72159E-08	6.48106E-06
242	570710.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.04667E-07	6.97783E-06
243	570750.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.09622E-07	7.30812E-06
244	570790.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.18002E-07	7.86678E-06
245	570830.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.31821E-07	8.78806E-06
246	570870.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.52308E-07	1.01539E-05
247	570910.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.92252E-07	1.28168E-05
248	570950.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.59835E-07	1.73224E-05
249	570990.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.54184E-07	2.36123E-05
250	571030.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.6068E-07	3.0712E-05
251	571070.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.68132E-07	3.12088E-05
252	571110.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.33565E-07	2.89043E-05

253	571150.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.78707E-07	3.19138E-05
254	571190.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.4197E-07	4.2798E-05
255	571230.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.82686E-07	5.88457E-05
256	571270.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.30895E-07	6.20597E-05
257	571310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.9043E-07	5.26953E-05
258	571350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.1643E-07	4.10954E-05
259	571390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.75225E-07	3.16817E-05
260	571430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.74923E-07	2.49949E-05
261	571470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.02272E-07	2.01515E-05
262	571510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.48119E-07	1.65412E-05
263	571550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.08016E-07	1.38677E-05
264	571590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.76442E-07	1.17628E-05
265	570310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.48486E-08	2.32324E-06
266	570350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.86082E-08	2.57388E-06
267	570390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.31471E-08	2.87647E-06
268	570430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.8743E-08	3.24953E-06
269	570470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.56032E-08	3.70688E-06
270	570510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.38482E-08	4.25655E-06
271	570550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.3565E-08	4.90434E-06
272	570590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.49645E-08	5.6643E-06
273	570630.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.82642E-08	6.55095E-06
274	570670.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.12876E-07	7.52504E-06
275	570710.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.26612E-07	8.4408E-06
276	570750.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.35982E-07	9.06549E-06
277	570790.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.4297E-07	9.53136E-06
278	570830.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.56977E-07	1.04652E-05
279	570870.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.77394E-07	1.18263E-05
280	570910.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.19788E-07	1.46525E-05
281	570950.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.97389E-07	1.98259E-05
282	570990.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.4187E-07	2.9458E-05
283	571030.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.70026E-07	5.13351E-05
284	571110.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.18171E-06	7.87804E-05
285	571150.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.62086E-06	0.000108057
286	571190.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.59614E-06	0.000173076
287	571230.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.12882E-06	0.000141922
288	571270.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.41009E-06	9.40058E-05
289	571310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.56665E-07	6.37777E-05
290	571350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.92618E-07	4.61746E-05
291	571390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.24608E-07	3.49738E-05
292	571430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.14011E-07	2.76007E-05
293	571470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.33171E-07	2.22114E-05
294	571510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.7516E-07	1.8344E-05
295	571550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.31652E-07	1.54435E-05
296	571590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.95793E-07	1.30529E-05
297	570310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.54172E-08	2.36114E-06
298	570350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.92202E-08	2.61468E-06
299	570390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.37625E-08	2.9175E-06
300	570430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.9325E-08	3.28834E-06
301	570470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.63091E-08	3.75394E-06
302	570510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.5213E-08	4.34753E-06
303	570550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.65152E-08	5.10101E-06
304	570590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.0567E-08	6.0378E-06
305	570630.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.077E-07	7.17998E-06
306	570670.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.28201E-07	8.54675E-06
307	570710.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.51149E-07	1.00766E-05
308	570750.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.70603E-07	1.13735E-05
309	570790.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.83201E-07	1.22134E-05
310	570830.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.94596E-07	1.2973E-05
311	570870.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.15289E-07	1.43526E-05
312	570910.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.62262E-07	1.74842E-05
313	570950.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.52099E-07	2.34733E-05
314	571150.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.05805E-05	0.001372032
315	571190.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.91662E-06	0.000461108
316	571230.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.23981E-06	0.000215988

317	571270.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.89102E-06	0.000126068
318	571310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.24947E-06	8.32981E-05
319	571350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.82112E-07	5.88075E-05
320	571390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.52026E-07	4.34684E-05
321	571430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.98885E-07	3.3259E-05
322	571470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.96962E-07	2.64641E-05
323	571510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.20932E-07	2.13955E-05
324	571550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.6424E-07	1.7616E-05
325	571590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.22469E-07	1.48313E-05
326	570310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.57416E-08	2.38277E-06
327	570350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.96785E-08	2.64523E-06
328	570390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.43378E-08	2.95586E-06
329	570430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.99906E-08	3.33271E-06
330	570470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.69513E-08	3.79676E-06
331	570510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.57451E-08	4.383E-06
332	570550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.72515E-08	5.1501E-06
333	570590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.26547E-08	6.17698E-06
334	570630.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.13423E-07	7.56154E-06
335	570670.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.40564E-07	9.37092E-06
336	570710.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.74737E-07	1.16491E-05
337	570750.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.12958E-07	1.41972E-05
338	570790.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.45367E-07	1.63578E-05
339	570830.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.58487E-07	1.72325E-05
340	570870.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.72648E-07	1.81765E-05
341	570910.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.16788E-07	2.11192E-05
342	571190.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.09299E-06	0.000539532
343	571230.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.87481E-06	0.000258321
344	571270.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.22079E-06	0.000148052
345	571310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.41647E-06	9.44312E-05
346	571350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.75878E-07	6.50586E-05
347	571390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.10365E-07	4.73576E-05
348	571430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.39753E-07	3.59835E-05
349	571470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.2307E-07	2.82047E-05
350	571510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.40402E-07	2.26935E-05
351	571550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.79473E-07	1.86315E-05
352	571590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.32447E-07	1.54965E-05
353	570310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.61029E-08	2.40686E-06
354	570350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.01702E-08	2.67801E-06
355	570390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.49566E-08	2.99711E-06
356	570430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.07934E-08	3.38622E-06
357	570470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.79514E-08	3.86343E-06
358	570510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.69024E-08	4.46016E-06
359	570550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.83855E-08	5.2257E-06
360	570590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.37121E-08	6.24748E-06
361	570630.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.15033E-07	7.66886E-06
362	570670.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.46108E-07	9.74051E-06
363	570710.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.92175E-07	1.28116E-05
364	570750.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.57698E-07	1.71798E-05
365	570790.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.30616E-07	2.20411E-05
366	570830.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.97916E-07	2.65278E-05
367	570870.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.98955E-07	2.6597E-05
368	571150.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.58064E-06	0.000238709
369	571190.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.81838E-06	0.000187892
370	571230.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.0437E-06	0.000136246
371	571270.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.49399E-06	9.9599E-05
372	571310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.10055E-06	7.33701E-05
373	571350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.29138E-07	5.52758E-05
374	571390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.38302E-07	4.25534E-05
375	571430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.02087E-07	3.34725E-05
376	571470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.03222E-07	2.68815E-05
377	571510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.30004E-07	2.20003E-05
378	571550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.74358E-07	1.82906E-05
379	571590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.29459E-07	1.52973E-05
380	570310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.65577E-08	2.43718E-06

381	570350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.08525E-08	2.7235E-06
382	570390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.57292E-08	3.04861E-06
383	570430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.16864E-08	3.44576E-06
384	570470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.90518E-08	3.93679E-06
385	570510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.83038E-08	4.55358E-06
386	570550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.02418E-08	5.34946E-06
387	570590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.61271E-08	6.40847E-06
388	570630.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.1798E-07	7.86534E-06
389	570670.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.49695E-07	9.97964E-06
390	570710.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.9948E-07	1.32987E-05
391	570750.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.85005E-07	1.90003E-05
392	570790.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.12404E-07	2.74936E-05
393	570830.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.87608E-07	4.58406E-05
394	571110.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.85301E-06	0.000123534
395	571150.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.59058E-06	0.000106039
396	571190.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.33018E-06	8.8679E-05
397	571230.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.14262E-06	7.61749E-05
398	571270.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.11365E-07	6.07577E-05
399	571310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.46387E-07	4.97592E-05
400	571350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.21697E-07	4.14465E-05
401	571390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.18E-07	3.45333E-05
402	571430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.32461E-07	2.88307E-05
403	571470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.62146E-07	2.41431E-05
404	571510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.05893E-07	2.03929E-05
405	571550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.59561E-07	1.73041E-05
406	571590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.22233E-07	1.48155E-05
407	570310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.66213E-08	2.44142E-06
408	570350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.0722E-08	2.7148E-06
409	570390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.58429E-08	3.0562E-06
410	570430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.20711E-08	3.47141E-06
411	570470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.96372E-08	3.97581E-06
412	570510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.93106E-08	4.62071E-06
413	570550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.19343E-08	5.46228E-06
414	570590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.895E-08	6.59667E-06
415	570630.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.2279E-07	8.18598E-06
416	570670.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.57859E-07	1.05239E-05
417	570710.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.13034E-07	1.42023E-05
418	570750.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.07499E-07	2.04999E-05
419	570790.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.99403E-07	3.32935E-05
420	571070.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.78442E-06	0.000118962
421	571110.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.41675E-06	9.44498E-05
422	571150.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.13191E-06	7.54606E-05
423	571190.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.42248E-07	6.28166E-05
424	571230.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.96198E-07	5.30799E-05
425	571270.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.98226E-07	4.65484E-05
426	571310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.81891E-07	3.87927E-05
427	571350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.88598E-07	3.25732E-05
428	571390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.20687E-07	2.80458E-05
429	571430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.64389E-07	2.42926E-05
430	571470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.1511E-07	2.10073E-05
431	571510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.75252E-07	1.83501E-05
432	571550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.4003E-07	1.6002E-05
433	571590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.08856E-07	1.39237E-05
434	570310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.58188E-08	2.38792E-06
435	570350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.02273E-08	2.68182E-06
436	570390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.50572E-08	3.00382E-06
437	570430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.09007E-08	3.39338E-06
438	570470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.85839E-08	3.90559E-06
439	570510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.87289E-08	4.58193E-06
440	570550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.20583E-08	5.47056E-06
441	570590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.97798E-08	6.65199E-06
442	570630.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.2481E-07	8.32068E-06
443	570670.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.62044E-07	1.08029E-05
444	570710.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.2142E-07	1.47613E-05

445	570750.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.26578E-07	2.17719E-05
446	570790.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.4512E-07	3.63413E-05
447	571030.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.74221E-06	0.00024948
448	571070.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.1875E-06	0.000145833
449	571110.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.49006E-06	9.93374E-05
450	571150.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.08408E-06	7.22718E-05
451	571190.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.50365E-07	5.6691E-05
452	571230.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.84753E-07	4.56502E-05
453	571270.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.76309E-07	3.84206E-05
454	571310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.05124E-07	3.36749E-05
455	571350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.26796E-07	2.84531E-05
456	571390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.60094E-07	2.40063E-05
457	571430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.10109E-07	2.06739E-05
458	571470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.72514E-07	1.81676E-05
459	571510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.40251E-07	1.60167E-05
460	571550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.1222E-07	1.4148E-05
461	571590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.88534E-07	1.2569E-05
462	570310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.49829E-08	2.33219E-06
463	570350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.89064E-08	2.59376E-06
464	570390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.33283E-08	2.88856E-06
465	570430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.92053E-08	3.28035E-06
466	570470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.65507E-08	3.77005E-06
467	570510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.66557E-08	4.44371E-06
468	570550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.01024E-08	5.34016E-06
469	570590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.71853E-08	6.47902E-06
470	570630.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.21096E-07	8.07304E-06
471	570670.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.56413E-07	1.04276E-05
472	570710.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.12443E-07	1.41628E-05
473	570750.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.11727E-07	2.07818E-05
474	570790.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.65756E-07	3.10504E-05
475	570990.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.94435E-06	0.000262956
476	571030.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.55088E-06	0.000170059
477	571070.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.74336E-06	0.000116224
478	571110.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.23969E-06	8.26463E-05
479	571150.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.27081E-07	6.18054E-05
480	571190.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.34563E-07	4.89709E-05
481	571230.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.9002E-07	3.93347E-05
482	571270.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.82968E-07	3.21979E-05
483	571310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.18105E-07	2.78737E-05
484	571350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.69238E-07	2.46159E-05
485	571390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.17592E-07	2.11728E-05
486	571430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.71007E-07	1.80672E-05
487	571470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.35217E-07	1.56811E-05
488	571510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.074E-07	1.38266E-05
489	571550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.84804E-07	1.23203E-05
490	571590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.66182E-07	1.10788E-05
491	570310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.41202E-08	2.27468E-06
492	570350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.76691E-08	2.51127E-06
493	570390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.21145E-08	2.80763E-06
494	570430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.77708E-08	3.18472E-06
495	570470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.47518E-08	3.65012E-06
496	570510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.41411E-08	4.27608E-06
497	570550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.69258E-08	5.12839E-06
498	570590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.33266E-08	6.22178E-06
499	570630.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.16388E-07	7.75918E-06
500	570670.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.50752E-07	1.00501E-05
501	570710.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.07957E-07	1.38638E-05
502	570750.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.10259E-07	2.06839E-05
503	570790.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.48753E-07	2.99169E-05
504	570830.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.01095E-07	5.34063E-05
505	570950.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.69092E-06	0.000112728
506	570990.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.48592E-06	9.90615E-05
507	571030.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.21534E-06	8.10224E-05
508	571070.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.00003E-06	6.66687E-05

509	571110.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.17458E-07	5.44972E-05
510	571150.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.73924E-07	4.49283E-05
511	571190.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.67141E-07	3.78094E-05
512	571230.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.80013E-07	3.20009E-05
513	571270.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.01815E-07	2.67877E-05
514	571310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.41271E-07	2.27514E-05
515	571350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.0308E-07	2.02053E-05
516	571390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.72913E-07	1.81942E-05
517	571430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.40236E-07	1.60157E-05
518	571470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.08687E-07	1.39125E-05
519	571510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.82199E-07	1.21466E-05
520	571550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.62327E-07	1.08218E-05
521	571590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.46482E-07	9.76544E-06
522	570310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.31604E-08	2.2107E-06
523	570350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.67429E-08	2.44953E-06
524	570390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.09241E-08	2.72827E-06
525	570430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.64199E-08	3.09466E-06
526	570470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.3324E-08	3.55493E-06
527	570510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.28941E-08	4.19294E-06
528	570550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.56787E-08	5.04525E-06
529	570590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.24474E-08	6.16316E-06
530	570630.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.16321E-07	7.75472E-06
531	570670.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.52764E-07	1.01843E-05
532	570710.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.09451E-07	1.39634E-05
533	570750.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.95742E-07	1.97162E-05
534	570790.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.88128E-07	2.58752E-05
535	570830.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.13533E-07	3.42355E-05
536	570870.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.2907E-07	4.1938E-05
537	570910.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.76961E-07	5.17974E-05
538	570950.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.65346E-07	5.10231E-05
539	570990.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.03264E-07	4.68843E-05
540	571030.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.68621E-07	4.45747E-05
541	571070.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.07794E-07	4.05196E-05
542	571110.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.13645E-07	3.4243E-05
543	571150.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.49889E-07	2.99926E-05
544	571190.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.03861E-07	2.69241E-05
545	571230.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.6052E-07	2.40346E-05
546	571270.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.19037E-07	2.12691E-05
547	571310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.75967E-07	1.83978E-05
548	571350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.44404E-07	1.62936E-05
549	571390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.23011E-07	1.48674E-05
550	571430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.04545E-07	1.36364E-05
551	571470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.83338E-07	1.22226E-05
552	571510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.62483E-07	1.08322E-05
553	571550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.44006E-07	9.60042E-06
554	571590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.28968E-07	8.59785E-06
555	570310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.24817E-08	2.16545E-06
556	570350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.62615E-08	2.41743E-06
557	570390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.064E-08	2.70934E-06
558	570430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.62228E-08	3.08152E-06
559	570470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.37222E-08	3.58148E-06
560	570510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.35966E-08	4.23977E-06
561	570550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.64012E-08	5.09341E-06
562	570590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.33467E-08	6.22311E-06
563	570630.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.174E-07	7.82667E-06
564	570670.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.50518E-07	1.00345E-05
565	570710.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.93554E-07	1.29036E-05
566	570750.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.41974E-07	1.61316E-05
567	570790.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.8435E-07	1.89566E-05
568	570830.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.22096E-07	2.14731E-05
569	570870.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.02003E-07	2.68002E-05
570	570910.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.37096E-07	2.91397E-05
571	570950.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.30752E-07	2.87168E-05
572	570990.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.18184E-07	2.7879E-05

573	571030.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.93792E-07	2.62528E-05
574	571070.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.95054E-07	2.63369E-05
575	571110.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.58145E-07	2.38763E-05
576	571150.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.13502E-07	2.09001E-05
577	571190.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.84695E-07	1.89797E-05
578	571230.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.62378E-07	1.74918E-05
579	571270.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.41613E-07	1.61075E-05
580	571310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.18154E-07	1.45436E-05
581	571350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.95093E-07	1.30062E-05
582	571390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.78642E-07	1.19095E-05
583	571430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.6714E-07	1.11427E-05
584	571470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5587E-07	1.03913E-05
585	571510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.41928E-07	9.46187E-06
586	571550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.2791E-07	8.52733E-06
587	571590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.15083E-07	7.67217E-06
588	570310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.24483E-08	2.16322E-06
589	570350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.64322E-08	2.42881E-06
590	570390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.12823E-08	2.75216E-06
591	570430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.72798E-08	3.15199E-06
592	570470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.47826E-08	3.65217E-06
593	570510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.43993E-08	4.29329E-06
594	570550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.6625E-08	5.10833E-06
595	570590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.29348E-08	6.19565E-06
596	570630.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.13422E-07	7.56148E-06
597	570670.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.37503E-07	9.16684E-06
598	570710.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.62625E-07	1.08416E-05
599	570750.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.86487E-07	1.24325E-05
600	570790.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.0631E-07	1.3754E-05
601	570830.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.22354E-07	1.48236E-05
602	570870.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.79135E-07	1.8609E-05
603	570910.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.80361E-07	1.86907E-05
604	570950.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.75379E-07	1.83586E-05
605	570990.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.76723E-07	1.84482E-05
606	571030.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.70056E-07	1.80037E-05
607	571070.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.60007E-07	1.73338E-05
608	571110.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.53008E-07	1.68672E-05
609	571150.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.37197E-07	1.58131E-05
610	571190.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.14843E-07	1.43229E-05
611	571230.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.95716E-07	1.30477E-05
612	571270.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.82742E-07	1.21828E-05
613	571310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.7009E-07	1.13394E-05
614	571350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.55299E-07	1.03532E-05
615	571390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.42417E-07	9.49447E-06
616	571430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.33559E-07	8.9039E-06
617	571470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.27446E-07	8.4964E-06
618	571510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.20488E-07	8.0325E-06
619	571550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.11807E-07	7.45381E-06
620	571590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.02254E-07	6.81695E-06
621	570310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.27896E-08	2.18597E-06
622	570350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.68336E-08	2.45557E-06
623	570390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.17172E-08	2.78115E-06
624	570430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.76645E-08	3.17763E-06
625	570470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.50133E-08	3.66755E-06
626	570510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.39677E-08	4.26451E-06
627	570550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.53537E-08	5.02358E-06
628	570590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.86732E-08	5.91155E-06
629	570630.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.03304E-07	6.88695E-06
630	570670.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.17883E-07	7.85883E-06
631	570710.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.31542E-07	8.76945E-06
632	570750.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.43991E-07	9.59939E-06
633	570790.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.51876E-07	1.01251E-05
634	570830.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.66359E-07	1.10906E-05
635	570870.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.02772E-07	1.35181E-05
636	570910.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.94432E-07	1.29622E-05

637	570950.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.90949E-07	1.27299E-05
638	570990.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.96134E-07	1.30756E-05
639	571030.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.99823E-07	1.33216E-05
640	571070.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.88227E-07	1.25484E-05
641	571110.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.77405E-07	1.1827E-05
642	571150.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.76639E-07	1.17759E-05
643	571190.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.70579E-07	1.13719E-05
644	571230.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.56414E-07	1.04276E-05
645	571270.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.43495E-07	9.56636E-06
646	571310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.33617E-07	8.90781E-06
647	571350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.24381E-07	8.29209E-06
648	571390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.15039E-07	7.66925E-06
649	571430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.07245E-07	7.14964E-06
650	571470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.02313E-07	6.82089E-06
651	571510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.87365E-08	6.58243E-06
652	571550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.48455E-08	6.32303E-06
653	571590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.94865E-08	5.96577E-06
654	570310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.30806E-08	2.20537E-06
655	570350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.7041E-08	2.4694E-06
656	570390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.17607E-08	2.78405E-06
657	570430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.74437E-08	3.16292E-06
658	570470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.41938E-08	3.61292E-06
659	570510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.23487E-08	4.15658E-06
660	570550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.13834E-08	4.75889E-06
661	570590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.08331E-08	5.38888E-06
662	570630.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.99522E-08	5.99681E-06
663	570670.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.83492E-08	6.55661E-06
664	570710.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.06345E-07	7.08966E-06
665	570750.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.12598E-07	7.50656E-06
666	570790.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.16E-07	7.73333E-06
667	570830.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.31326E-07	8.75508E-06
668	570870.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.52474E-07	1.01649E-05
669	570910.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.42809E-07	9.52058E-06
670	570950.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.39883E-07	9.32555E-06
671	570990.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.46401E-07	9.76004E-06
672	571030.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.52622E-07	1.01748E-05
673	571070.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.45859E-07	9.72394E-06
674	571110.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.32548E-07	8.83652E-06
675	571150.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.29707E-07	8.6471E-06
676	571190.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.31968E-07	8.79788E-06
677	571230.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.28103E-07	8.54023E-06
678	571270.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.1935E-07	7.95665E-06
679	571310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.10058E-07	7.33718E-06
680	571350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.01863E-07	6.79085E-06
681	571390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.42664E-08	6.28443E-06
682	571430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.75363E-08	5.83576E-06
683	571470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.31407E-08	5.54271E-06
684	571510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.03971E-08	5.35981E-06
685	571550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.83626E-08	5.22417E-06
686	571590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.60873E-08	5.07249E-06
687	570310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.30706E-08	2.20471E-06
688	570350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.68738E-08	2.45825E-06
689	570390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.13594E-08	2.75729E-06
690	570430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.65306E-08	3.10204E-06
691	570470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.24879E-08	3.49919E-06
692	570510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.884E-08	3.92267E-06
693	570550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.52492E-08	4.34994E-06
694	570590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.1274E-08	4.7516E-06
695	570630.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.6707E-08	5.1138E-06
696	570670.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.19996E-08	5.46664E-06
697	570710.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.68038E-08	5.78692E-06
698	570750.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.94445E-08	5.96296E-06
699	570790.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.2363E-08	6.15753E-06
700	570830.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.06989E-07	7.1326E-06

701	570870.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.17963E-07	7.8642E-06
702	570910.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.08441E-07	7.22937E-06
703	570950.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.02202E-07	6.8135E-06
704	570990.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.09209E-07	7.28058E-06
705	571030.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.19148E-07	7.9432E-06
706	571070.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.1596E-07	7.73065E-06
707	571110.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.05622E-07	7.04147E-06
708	571150.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.9421E-08	6.62806E-06
709	571190.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.00537E-07	6.70244E-06
710	571230.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.02026E-07	6.80176E-06
711	571270.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.97776E-08	6.65184E-06
712	571310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.43687E-08	6.29125E-06
713	571350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.72376E-08	5.81584E-06
714	571390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.93942E-08	5.29295E-06
715	571430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.34472E-08	4.89648E-06
716	571470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.89315E-08	4.59543E-06
717	571510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.68505E-08	4.4567E-06
718	571550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.4746E-08	4.3164E-06
719	571590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.35445E-08	4.2363E-06
720	570310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.27797E-08	2.18531E-06
721	570350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.63721E-08	2.42481E-06
722	570390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.0376E-08	2.69173E-06
723	570430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.48549E-08	2.99032E-06
724	570470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.94275E-08	3.29516E-06
725	570510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.395E-08	3.59667E-06
726	570550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.81016E-08	3.87344E-06
727	570590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.18318E-08	4.12212E-06
728	570630.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.53814E-08	4.35876E-06
729	570670.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.89109E-08	4.59406E-06
730	570710.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.14772E-08	4.76514E-06
731	570750.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.2395E-08	4.82633E-06
732	570790.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.62156E-08	5.08104E-06
733	570830.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.87241E-08	5.91494E-06
734	570870.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.34407E-08	6.22938E-06
735	570910.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.57336E-08	5.71557E-06
736	570950.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.62423E-08	5.74949E-06
737	570990.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.05993E-08	6.03996E-06
738	571030.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.37122E-08	6.24748E-06
739	571070.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.33805E-08	6.22537E-06
740	571110.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.6872E-08	5.79147E-06
741	571150.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.07783E-08	5.38522E-06
742	571190.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.89048E-08	5.26032E-06
743	571230.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.00442E-08	5.33628E-06
744	571270.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.11199E-08	5.408E-06
745	571310.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.01155E-08	5.34104E-06
746	571350.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.62553E-08	5.08369E-06
747	571390.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.03653E-08	4.69102E-06
748	571430.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.41777E-08	4.27851E-06
749	571470.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.90904E-08	3.93936E-06
750	571510.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.59729E-08	3.73153E-06
751	571550.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.46814E-08	3.64543E-06
752	571590.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.33831E-08	3.55887E-06
753	570839.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.24539E-06	8.30262E-05
754	570839.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.41323E-06	9.42156E-05
755	570879.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.60724E-07	6.40482E-05
756	570879.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.89035E-06	0.000259357
757	570879.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.92444E-06	0.00046163
758	570879.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.02124E-06	0.000201416
759	570879.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.16748E-06	7.78323E-05
760	570919.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.85717E-07	3.23811E-05
761	570919.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.9016E-07	6.60106E-05
762	570919.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.30187E-06	0.000353458
763	570919.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000156508	0.010433874
764	570919.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.06305E-06	0.000337537

765	570919.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.48849E-06	9.92326E-05
766	570959.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.50763E-07	3.00509E-05
767	570959.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.20352E-07	4.13568E-05
768	570959.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.45321E-06	9.68804E-05
769	570959.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.34417E-06	0.000622945
770	570959.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.10206E-05	0.001401373
771	570959.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.34537E-06	0.000289692
772	570999.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.07651E-07	4.05101E-05
773	570999.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.90818E-07	4.60545E-05
774	570999.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.67545E-07	6.4503E-05
775	570999.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.17568E-06	0.000145046
776	570999.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.50159E-06	0.000300106
777	570999.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.79549E-06	0.000453033
778	571039.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.44971E-07	6.29981E-05
779	571039.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.23416E-06	8.22774E-05
780	571039.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.37583E-06	9.17221E-05
781	571039.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.63139E-06	0.000108759
782	571039.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.09015E-06	0.000139343
783	571039.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.49576E-06	0.000166384
784	571079.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.60088E-06	0.000106725
785	571079.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.61691E-06	0.000307794
786	571079.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.84323E-06	0.000322882
787	571079.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.37244E-06	0.000158162
788	571079.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.79148E-06	0.000119432
789	571119.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.61519E-05	0.003076796
790	571119.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.77204E-05	0.001181359
791	571119.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.20846E-06	0.000213897
792	571159.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.18682E-05	0.000791216
793	570808.82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.22028E-07	4.81352E-05
794	570823.91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.04671E-07	5.36447E-05
795	570883.31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.89041E-07	4.59361E-05
796	571181.45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.19763E-05	0.000798423
797	571067.83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.5217E-07	3.68114E-05
798	570799.89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.88198E-07	3.92132E-05

		Unmitigated Acute Hazard																	
#	**X,Y**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**Total Acute**	**Acute Hazard**
1	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.1408E-06	0	0	0	0.000355536	0.0018
2	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.3216E-06	0	0	0	0.000385556	0.0019
3	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.5514E-06	0	0	0	0.000423723	0.0021
4	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.6771E-06	0	0	0	0.000444596	0.0022
5	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.6339E-06	0	0	0	0.000437432	0.0022
6	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.6959E-06	0	0	0	0.000447731	0.0022
7	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.0817E-06	0	0	0	0.000511801	0.0026
8	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.1229E-06	0	0	0	0.000518635	0.0026
9	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.144E-06	0	0	0	0.000522149	0.0026
10	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.4877E-06	0	0	0	0.000579231	0.0029
11	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.6462E-06	0	0	0	0.000605551	0.003
12	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.9422E-06	0	0	0	0.00065471	0.0033
13	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.1486E-06	0	0	0	0.000688989	0.0034
14	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.1862E-06	0	0	0	0.000695228	0.0035
15	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.7027E-06	0	0	0	0.00078101	0.0039
16	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.3759E-06	0	0	0	0.000726738	0.0036
17	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.7013E-06	0	0	0	0.000946843	0.0047
18	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.0415E-06	0	0	0	0.001003353	0.005
19	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.4531E-06	0	0	0	0.001071703	0.0054
20	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.5847E-06	0	0	0	0.001093561	0.0055
21	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.1296E-06	0	0	0	0.001017978	0.0051
22	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.3784E-06	0	0	0	0.001059298	0.0053
23	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.6964E-06	0	0	0	0.001112118	0.0056
24	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.6371E-06	0	0	0	0.001102257	0.0055
25	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.7327E-06	0	0	0	0.001118147	0.0056
26	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.9469E-06	0	0	0	0.000987642	0.0049
27	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.7658E-06	0	0	0	0.001123642	0.0056
28	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.557E-06	0	0	0	0.001088957	0.0054
29	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.038E-06	0	0	0	0.001168839	0.0058
30	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.0433E-06	0	0	0	0.001169724	0.0058
31	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.9744E-06	0	0	0	0.000992203	0.005
32	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.7636E-06	0	0	0	0.000957201	0.0048
33	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.5764E-06	0	0	0	0.000760025	0.0038
34	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.3025E-06	0	0	0	0.00038239	0.0019
35	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.3596E-06	0	0	0	0.000391879	0.002
36	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.4466E-06	0	0	0	0.000406316	0.002
37	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.6937E-06	0	0	0	0.000447351	0.0022
38	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.9873E-06	0	0	0	0.000496124	0.0025
39	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.1258E-06	0	0	0	0.000519114	0.0026
40	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.0344E-06	0	0	0	0.000503938	0.0025
41	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.3872E-06	0	0	0	0.000562532	0.0028
42	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.6857E-06	0	0	0	0.000612108	0.0031
43	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.5594E-06	0	0	0	0.000591127	0.003
44	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.0157E-06	0	0	0	0.000666915	0.0033
45	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.2267E-06	0	0	0	0.000701952	0.0035
46	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.6093E-06	0	0	0	0.000765493	0.0038
47	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.8233E-06	0	0	0	0.000801042	0.004
48	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.1362E-06	0	0	0	0.000853002	0.0043
49	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.5202E-06	0	0	0	0.00091677	0.0046
50	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.425E-06	0	0	0	0.000900957	0.0045
51	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.9933E-06	0	0	0	0.001161419	0.0058
52	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.3364E-06	0	0	0	0.001218402	0.0061
53	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.4846E-06	0	0	0	0.001243007	0.0062
54	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.1276E-06	0	0	0	0.00118372	0.0059
55	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.3778E-06	0	0	0	0.001225281	0.0061
56	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.5661E-06	0	0	0	0.001256555	0.0063

57	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.2953E-06	0	0	0	0.001211578	0.0061
58	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.5959E-06	0	0	0	0.001261494	0.0063
59	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.5505E-06	0	0	0	0.001253964	0.0063
60	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.0137E-06	0	0	0	0.0011648	0.0058
61	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.9396E-06	0	0	0	0.001318581	0.0066
62	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.0531E-06	0	0	0	0.001337428	0.0067
63	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.876E-06	0	0	0	0.001141934	0.0057
64	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.4454E-06	0	0	0	0.001070423	0.0054
65	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.8536E-06	0	0	0	0.000806071	0.004
66	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.2046E-06	0	0	0	0.00069828	0.0035
67	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.3433E-06	0	0	0	0.000389163	0.0019
68	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.5518E-06	0	0	0	0.000423786	0.0021
69	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.6118E-06	0	0	0	0.00043376	0.0022
70	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.7343E-06	0	0	0	0.000454107	0.0023
71	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.9456E-06	0	0	0	0.000489186	0.0024
72	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.1892E-06	0	0	0	0.000529644	0.0026
73	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.5739E-06	0	0	0	0.000593547	0.003
74	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.7299E-06	0	0	0	0.000619444	0.0031
75	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.5998E-06	0	0	0	0.000597843	0.003
76	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.2775E-06	0	0	0	0.00071039	0.0036
77	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.3125E-06	0	0	0	0.000716198	0.0036
78	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.6656E-06	0	0	0	0.000774844	0.0039
79	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.9791E-06	0	0	0	0.000826904	0.0041
80	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.4973E-06	0	0	0	0.000912968	0.0046
81	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.793E-06	0	0	0	0.000962077	0.0048
82	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.432E-06	0	0	0	0.001068209	0.0053
83	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.2979E-06	0	0	0	0.001045925	0.0052
84	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.1916E-06	0	0	0	0.001360422	0.0068
85	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.6354E-06	0	0	0	0.001434134	0.0072
86	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.5639E-06	0	0	0	0.001422255	0.0071
87	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.7895E-06	0	0	0	0.001459726	0.0073
88	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.5785E-06	0	0	0	0.001424686	0.0071
89	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.9456E-06	0	0	0	0.001485642	0.0074
90	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.5674E-06	0	0	0	0.001422836	0.0071
91	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.7912E-06	0	0	0	0.001293931	0.0065
92	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.5697E-06	0	0	0	0.001423229	0.0071
93	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.235E-06	0	0	0	0.001533704	0.0077
94	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.3716E-06	0	0	0	0.001556399	0.0078
95	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.0429E-06	0	0	0	0.001335729	0.0067
96	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.2473E-06	0	0	0	0.001203597	0.006
97	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.1159E-06	0	0	0	0.000849626	0.0042
98	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.2693E-06	0	0	0	0.000875098	0.0044
99	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.5605E-06	0	0	0	0.000923473	0.0046
100	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.544E-06	0	0	0	0.000422499	0.0021
101	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.5891E-06	0	0	0	0.00042998	0.0021
102	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.8492E-06	0	0	0	0.000473184	0.0024
103	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.9203E-06	0	0	0	0.000484986	0.0024
104	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.0859E-06	0	0	0	0.000512491	0.0026
105	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.3521E-06	0	0	0	0.000556704	0.0028
106	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.4381E-06	0	0	0	0.000570986	0.0029
107	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.8793E-06	0	0	0	0.000644267	0.0032
108	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.3979E-06	0	0	0	0.000730385	0.0037
109	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.5497E-06	0	0	0	0.000755595	0.0038
110	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.8305E-06	0	0	0	0.000802227	0.004
111	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.3572E-06	0	0	0	0.000889699	0.0044
112	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.4626E-06	0	0	0	0.000907201	0.0045
113	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.9839E-06	0	0	0	0.000993777	0.005
114	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.7214E-06	0	0	0	0.001116272	0.0056
115	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.035E-06	0	0	0	0.001168346	0.0058
116	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.9474E-06	0	0	0	0.001319881	0.0066

117	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.2611E-06	0	0	0	0.001371971	0.0069
118	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.0281E-05	0	0	0	0.001707497	0.0085
119	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.0035E-05	0	0	0	0.001666615	0.0083
120	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.0914E-05	0	0	0	0.001812621	0.0091
121	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.0541E-05	0	0	0	0.001750618	0.0088
122	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.1018E-05	0	0	0	0.001829892	0.0091
123	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.0901E-05	0	0	0	0.001810375	0.0091
124	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.0396E-05	0	0	0	0.001726569	0.0086
125	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.0731E-05	0	0	0	0.001782138	0.0089
126	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.1079E-05	0	0	0	0.001839932	0.0092
127	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.572E-06	0	0	0	0.001589686	0.0079
128	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.2084E-06	0	0	0	0.001363224	0.0068
129	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.7223E-06	0	0	0	0.000950333	0.0048
130	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.5426E-06	0	0	0	0.001086577	0.0054
131	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.3991E-06	0	0	0	0.001062736	0.0053
132	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.5963E-06	0	0	0	0.000929408	0.0046
133	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.8525E-06	0	0	0	0.000473736	0.0024
134	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.9684E-06	0	0	0	0.000492976	0.0025
135	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.8792E-06	0	0	0	0.000478166	0.0024
136	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.2012E-06	0	0	0	0.000531639	0.0027
137	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.2879E-06	0	0	0	0.000546041	0.0027
138	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.5226E-06	0	0	0	0.000585012	0.0029
139	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.8561E-06	0	0	0	0.00064041	0.0032
140	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.9174E-06	0	0	0	0.000650592	0.0033
141	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.2381E-06	0	0	0	0.000703849	0.0035
142	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.8808E-06	0	0	0	0.000810581	0.0041
143	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.6086E-06	0	0	0	0.000931452	0.0047
144	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.7042E-06	0	0	0	0.000947338	0.0047
145	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.5876E-06	0	0	0	0.001094046	0.0055
146	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.5779E-06	0	0	0	0.001092434	0.0055
147	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.5189E-06	0	0	0	0.001248708	0.0062
148	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.5008E-06	0	0	0	0.001411777	0.0071
149	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.9322E-06	0	0	0	0.001483431	0.0074
150	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.0023E-05	0	0	0	0.001664516	0.0083
151	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.2812E-05	0	0	0	0.00212775	0.0106
152	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.3633E-05	0	0	0	0.002264078	0.0113
153	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.3861E-05	0	0	0	0.002301949	0.0115
154	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.375E-05	0	0	0	0.002283628	0.0114
155	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.331E-05	0	0	0	0.002210408	0.0111
156	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.1299E-05	0	0	0	0.00187656	0.0094
157	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.2304E-05	0	0	0	0.002043477	0.0102
158	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.3432E-05	0	0	0	0.002230724	0.0112
159	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.1703E-05	0	0	0	0.001943661	0.0097
160	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.3226E-06	0	0	0	0.001548261	0.0077
161	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.6679E-06	0	0	0	0.001273453	0.0064
162	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.9737E-06	0	0	0	0.001324241	0.0066
163	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.0797E-06	0	0	0	0.001175773	0.0059
164	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.8269E-06	0	0	0	0.000967709	0.0048
165	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.2373E-06	0	0	0	0.000869782	0.0043
166	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.8966E-06	0	0	0	0.000481054	0.0024
167	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.0702E-06	0	0	0	0.000509887	0.0025
168	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.4182E-06	0	0	0	0.000567684	0.0028
169	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.2977E-06	0	0	0	0.000547668	0.0027
170	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.612E-06	0	0	0	0.000599864	0.003
171	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.7993E-06	0	0	0	0.00063098	0.0032
172	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.0777E-06	0	0	0	0.000677205	0.0034
173	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.5018E-06	0	0	0	0.000747646	0.0037
174	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.4787E-06	0	0	0	0.000743812	0.0037
175	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.1191E-06	0	0	0	0.000850164	0.0043
176	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.9779E-06	0	0	0	0.000826702	0.0041

177	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.4263E-06	0	0	0	0.001067256	0.0053
178	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.5156E-06	0	0	0	0.001248167	0.0062
179	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.7991E-06	0	0	0	0.001295241	0.0065
180	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.9403E-06	0	0	0	0.001484768	0.0074
181	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.9338E-06	0	0	0	0.001649771	0.0082
182	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.1375E-05	0	0	0	0.001889081	0.0094
183	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.2873E-05	0	0	0	0.00213795	0.0107
184	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.4608E-05	0	0	0	0.002425966	0.0121
185	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.7747E-05	0	0	0	0.002947419	0.0147
186	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.8766E-05	0	0	0	0.003116503	0.0156
187	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.8749E-05	0	0	0	0.003113718	0.0156
188	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.7751E-05	0	0	0	0.002947959	0.0147
189	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.611E-05	0	0	0	0.002675429	0.0134
190	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.7108E-05	0	0	0	0.002841185	0.0142
191	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.484E-05	0	0	0	0.002464604	0.0123
192	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.0602E-05	0	0	0	0.001760789	0.0088
193	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.0211E-05	0	0	0	0.001695731	0.0085
194	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.3418E-06	0	0	0	0.001551446	0.0078
195	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.3721E-06	0	0	0	0.001224324	0.0061
196	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.4318E-06	0	0	0	0.001068171	0.0053
197	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.5322E-06	0	0	0	0.000918761	0.0046
198	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.9553E-06	0	0	0	0.000822959	0.0041
199	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.3097E-06	0	0	0	0.00054966	0.0027
200	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.4641E-06	0	0	0	0.000575311	0.0029
201	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.3339E-06	0	0	0	0.000553678	0.0028
202	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.875E-06	0	0	0	0.000643538	0.0032
203	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.0368E-06	0	0	0	0.000670419	0.0034
204	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.098E-06	0	0	0	0.000680587	0.0034
205	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.5073E-06	0	0	0	0.00074856	0.0037
206	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.8026E-06	0	0	0	0.000797592	0.004
207	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.3382E-06	0	0	0	0.000886553	0.0044
208	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.3613E-06	0	0	0	0.000890386	0.0045
209	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.012E-06	0	0	0	0.000998445	0.005
210	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.7699E-06	0	0	0	0.000958244	0.0048
211	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.6752E-06	0	0	0	0.001274663	0.0064
212	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.0623E-06	0	0	0	0.001505036	0.0075
213	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.0855E-05	0	0	0	0.001802733	0.009
214	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.241E-05	0	0	0	0.002060986	0.0103
215	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.3827E-05	0	0	0	0.002296269	0.0115
216	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.6479E-05	0	0	0	0.002736727	0.0137
217	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.8961E-05	0	0	0	0.0031489	0.0157
218	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.4523E-05	0	0	0	0.004072643	0.0204
219	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.7258E-05	0	0	0	0.004526874	0.0226
220	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.5675E-05	0	0	0	0.004263967	0.0213
221	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.0936E-05	0	0	0	0.003477033	0.0174
222	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.3026E-05	0	0	0	0.003824127	0.0191
223	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.9845E-05	0	0	0	0.0032957	0.0165
224	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.3325E-05	0	0	0	0.002212944	0.0111
225	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.3169E-05	0	0	0	0.002187132	0.0109
226	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.0138E-05	0	0	0	0.001683617	0.0084
227	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.2427E-06	0	0	0	0.001368917	0.0068
228	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.93E-06	0	0	0	0.0011509	0.0058
229	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.9056E-06	0	0	0	0.000980773	0.0049
230	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.3631E-06	0	0	0	0.000890687	0.0045
231	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.7627E-06	0	0	0	0.000790965	0.004
232	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.9474E-06	0	0	0	0.000489498	0.0024
233	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.5574E-06	0	0	0	0.000590801	0.003
234	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.0128E-06	0	0	0	0.000666433	0.0033
235	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.1687E-06	0	0	0	0.000692323	0.0035
236	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.2568E-06	0	0	0	0.000706955	0.0035

237	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.8824E-06	0	0	0	0.000810842	0.0041
238	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.7806E-06	0	0	0	0.000793935	0.004
239	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.4425E-06	0	0	0	0.000903862	0.0045
240	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.7833E-06	0	0	0	0.000960476	0.0048
241	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.4557E-06	0	0	0	0.00107214	0.0054
242	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.8538E-06	0	0	0	0.00113825	0.0057
243	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.2771E-06	0	0	0	0.001208548	0.006
244	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.9465E-06	0	0	0	0.001485799	0.0074
245	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.702E-06	0	0	0	0.00161127	0.0081
246	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.7379E-06	0	0	0	0.001617229	0.0081
247	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.4327E-05	0	0	0	0.002379419	0.0119
248	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.7749E-05	0	0	0	0.00294776	0.0147
249	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.0686E-05	0	0	0	0.00343551	0.0172
250	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.6936E-05	0	0	0	0.004473442	0.0224
251	571070.55,	0	0	0	0	0	0	0	0	0	0	0.01	0	3.5766E-05	0	0	0	0.005939865	0.0297
252	571110.55,	0	0	0	0	0	0	0	0	0	0	0.01	0	4.4364E-05	0	0	0	0.007367751	0.0368
253	571150.55,	0	0	0	0	0	0	0	0	0	0	0.01	0	3.9899E-05	0	0	0	0.006626297	0.0331
254	571190.55,	0	0	0	0	0	0	0	0	0	0	0.01	0	3.4096E-05	0	0	0	0.005662464	0.0283
255	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.8887E-05	0	0	0	0.004797464	0.024
256	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.0853E-05	0	0	0	0.003463164	0.0173
257	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.5499E-05	0	0	0	0.002574032	0.0129
258	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.1283E-05	0	0	0	0.001873803	0.0094
259	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.0023E-06	0	0	0	0.001495063	0.0075
260	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.6848E-06	0	0	0	0.001276266	0.0064
261	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.3679E-06	0	0	0	0.001057549	0.0053
262	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.2794E-06	0	0	0	0.000876785	0.0044
263	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.4532E-06	0	0	0	0.000739578	0.0037
264	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.7989E-06	0	0	0	0.000630912	0.0032
265	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.86E-06	0	0	0	0.000474984	0.0024
266	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.8759E-06	0	0	0	0.000477623	0.0024
267	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.5545E-06	0	0	0	0.000590311	0.003
268	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.4036E-06	0	0	0	0.000731337	0.0037
269	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.0282E-06	0	0	0	0.000835056	0.0042
270	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.153E-06	0	0	0	0.000855797	0.0043
271	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.7649E-06	0	0	0	0.00095741	0.0048
272	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.9911E-06	0	0	0	0.000994983	0.005
273	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.6643E-06	0	0	0	0.001106787	0.0055
274	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.1656E-06	0	0	0	0.001190028	0.006
275	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.9883E-06	0	0	0	0.001326668	0.0066
276	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.0182E-06	0	0	0	0.001497702	0.0075
277	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.498E-06	0	0	0	0.001411307	0.0071
278	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.1596E-05	0	0	0	0.0019258	0.0096
279	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.1517E-05	0	0	0	0.001912716	0.0096
280	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.209E-05	0	0	0	0.002007895	0.01
281	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.7687E-05	0	0	0	0.002937317	0.0147
282	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.8546E-05	0	0	0	0.004740744	0.0237
283	571030.55,	0	0	0	0	0	0	0	0	0	0	0.01	0	4.1556E-05	0	0	0	0.006901409	0.0345
284	571110.55,	0	0	0	0	0	0	0	0	0	0	0.01	0	8.9442E-05	0	0	0	0.014854183	0.0743
285	571150.55,	0	0	0	0	0	0	0	0	0	0	0.01	0	6.9242E-05	0	0	0	0.011499498	0.0575
286	571190.55,	0	0	0	0	0	0	0	0	0	0	0.01	0	4.909E-05	0	0	0	0.008152629	0.0408
287	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.0351E-05	0	0	0	0.005040525	0.0252
288	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.8563E-05	0	0	0	0.003082795	0.0154
289	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.3648E-05	0	0	0	0.002266586	0.0113
290	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.5132E-06	0	0	0	0.001579914	0.0079
291	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.4142E-06	0	0	0	0.001231317	0.0062
292	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.0883E-06	0	0	0	0.001011115	0.0051
293	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.2593E-06	0	0	0	0.000873448	0.0044
294	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.775E-06	0	0	0	0.000793017	0.004
295	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.3221E-06	0	0	0	0.000717798	0.0036
296	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.9164E-06	0	0	0	0.000650423	0.0033

297	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.8738E-06	0	0	0	0.000477265	0.0024
298	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.2625E-06	0	0	0	0.00054183	0.0027
299	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.5693E-06	0	0	0	0.000592778	0.003
300	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.7213E-06	0	0	0	0.000618014	0.0031
301	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.4179E-06	0	0	0	0.000733713	0.0037
302	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.6761E-06	0	0	0	0.000942666	0.0047
303	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.5813E-06	0	0	0	0.001092995	0.0055
304	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.5776E-06	0	0	0	0.001092375	0.0055
305	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.8692E-06	0	0	0	0.001306889	0.0065
306	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.3666E-06	0	0	0	0.001389492	0.0069
307	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.2485E-06	0	0	0	0.001535953	0.0077
308	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.0377E-05	0	0	0	0.001723303	0.0086
309	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.1796E-05	0	0	0	0.001959065	0.0098
310	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.4931E-05	0	0	0	0.002479687	0.0124
311	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.5926E-05	0	0	0	0.002644851	0.0132
312	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.5656E-05	0	0	0	0.002600076	0.013
313	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.7183E-05	0	0	0	0.002853719	0.0143
314	571150.55,	0	0	0	0	0	0	0	0	0	0	0.02	0	0.00015989	0	0	0	0.026553317	0.1328
315	571190.55,	0	0	0	0	0	0	0	0	0	0	0.01	0	4.81E-05	0	0	0	0.007988223	0.0399
316	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.6294E-05	0	0	0	0.004366839	0.0218
317	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.7985E-05	0	0	0	0.002986935	0.0149
318	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.2919E-05	0	0	0	0.002145593	0.0107
319	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.6978E-06	0	0	0	0.001610572	0.0081
320	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.5559E-06	0	0	0	0.001254861	0.0063
321	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.088E-06	0	0	0	0.001011069	0.0051
322	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.0657E-06	0	0	0	0.000841294	0.0042
323	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.3207E-06	0	0	0	0.000717562	0.0036
324	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.7801E-06	0	0	0	0.000627792	0.0031
325	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.3689E-06	0	0	0	0.0005595	0.0028
326	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.6483E-06	0	0	0	0.000439824	0.0022
327	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.8869E-06	0	0	0	0.000479448	0.0024
328	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.2484E-06	0	0	0	0.000539476	0.0027
329	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.9157E-06	0	0	0	0.000650309	0.0033
330	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.5426E-06	0	0	0	0.000754413	0.0038
331	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.0068E-06	0	0	0	0.000831505	0.0042
332	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.6938E-06	0	0	0	0.000945602	0.0047
333	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.7464E-06	0	0	0	0.001286487	0.0064
334	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.1602E-06	0	0	0	0.001521296	0.0076
335	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.0119E-05	0	0	0	0.001680574	0.0084
336	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.0773E-05	0	0	0	0.001789072	0.0089
337	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.2618E-05	0	0	0	0.002095523	0.0105
338	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.4125E-05	0	0	0	0.002345874	0.0117
339	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.5716E-05	0	0	0	0.002610074	0.0131
340	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.1592E-05	0	0	0	0.003585911	0.0179
341	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.1536E-05	0	0	0	0.003576603	0.0179
342	571190.55,	0	0	0	0	0	0	0	0	0	0	0.01	0	6.5897E-05	0	0	0	0.010943838	0.0547
343	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.6833E-05	0	0	0	0.004456382	0.0223
344	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.7755E-05	0	0	0	0.002948757	0.0147
345	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.2569E-05	0	0	0	0.002087345	0.0104
346	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.0891E-06	0	0	0	0.001509488	0.0075
347	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.0076E-06	0	0	0	0.001163788	0.0058
348	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.978E-06	0	0	0	0.000992802	0.005
349	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.1569E-06	0	0	0	0.000856444	0.0043
350	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.5024E-06	0	0	0	0.00074774	0.0037
351	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.9721E-06	0	0	0	0.000659676	0.0033
352	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.5276E-06	0	0	0	0.000585843	0.0029
353	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.8051E-06	0	0	0	0.000465867	0.0023
354	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.0565E-06	0	0	0	0.000507608	0.0025
355	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.3603E-06	0	0	0	0.000558071	0.0028
356	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.6424E-06	0	0	0	0.000604919	0.003

357	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.9345E-06	0	0	0	0.000653428	0.0033
358	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.6366E-06	0	0	0	0.00077003	0.0039
359	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.8443E-06	0	0	0	0.000970605	0.0049
360	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.043E-06	0	0	0	0.001169675	0.0058
361	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.8143E-06	0	0	0	0.001297775	0.0065
362	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.1572E-05	0	0	0	0.001921882	0.0096
363	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.4083E-05	0	0	0	0.002338902	0.0117
364	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.6481E-05	0	0	0	0.002737075	0.0137
365	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.877E-05	0	0	0	0.003117226	0.0156
366	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.4027E-05	0	0	0	0.003990301	0.02
367	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.1346E-05	0	0	0	0.005205874	0.026
368	571150.55,	0	0	0	0	0	0	0	0	0	0	0.01	0	7.9663E-05	0	0	0	0.013230184	0.0662
369	571190.55,	0	0	0	0	0	0	0	0	0	0	0.01	0	5.1066E-05	0	0	0	0.00848091	0.0424
370	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.4025E-05	0	0	0	0.003989984	0.0199
371	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.4752E-05	0	0	0	0.004110685	0.0206
372	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.7629E-05	0	0	0	0.002927741	0.0146
373	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.0214E-05	0	0	0	0.001696346	0.0085
374	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.5761E-06	0	0	0	0.001092125	0.0055
375	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.996E-06	0	0	0	0.000995787	0.005
376	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.1576E-06	0	0	0	0.000856552	0.0043
377	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.3038E-06	0	0	0	0.000714756	0.0036
378	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.7957E-06	0	0	0	0.000630372	0.0032
379	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.4203E-06	0	0	0	0.000568035	0.0028
380	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.939E-06	0	0	0	0.000488093	0.0024
381	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.0794E-06	0	0	0	0.000511408	0.0026
382	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.4397E-06	0	0	0	0.000571252	0.0029
383	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.839E-06	0	0	0	0.00063756	0.0032
384	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.283E-06	0	0	0	0.000711307	0.0036
385	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.7703E-06	0	0	0	0.000792229	0.004
386	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.542E-06	0	0	0	0.000920395	0.0046
387	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.3674E-06	0	0	0	0.001057466	0.0053
388	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.5129E-06	0	0	0	0.001247719	0.0062
389	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.0304E-05	0	0	0	0.001711284	0.0086
390	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.3374E-05	0	0	0	0.002221162	0.0111
391	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.0413E-05	0	0	0	0.003390087	0.017
392	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.7235E-05	0	0	0	0.004523162	0.0226
393	570830.55,	0	0	0	0	0	0	0	0	0	0	0.01	0	3.438E-05	0	0	0	0.005709743	0.0285
394	571110.55,	0	0	0	0	0	0	0	0	0	0	0.01	0	4.2171E-05	0	0	0	0.007003629	0.035
395	571150.55,	0	0	0	0	0	0	0	0	0	0	0.01	0	3.6176E-05	0	0	0	0.006008049	0.03
396	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.9019E-05	0	0	0	0.004819285	0.0241
397	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.6751E-05	0	0	0	0.004442619	0.0222
398	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.2947E-05	0	0	0	0.003810866	0.0191
399	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.5132E-06	0	0	0	0.00157991	0.0079
400	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.2069E-05	0	0	0	0.002004436	0.01
401	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.1564E-05	0	0	0	0.001920517	0.0096
402	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.0545E-06	0	0	0	0.001503731	0.0075
403	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.3084E-06	0	0	0	0.001047682	0.0052
404	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.1157E-06	0	0	0	0.000683512	0.0034
405	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.0304E-06	0	0	0	0.000503281	0.0025
406	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.049E-06	0	0	0	0.000506361	0.0025
407	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.282E-06	0	0	0	0.000545063	0.0027
408	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.5675E-06	0	0	0	0.000592483	0.003
409	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.9051E-06	0	0	0	0.000648538	0.0032
410	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.2975E-06	0	0	0	0.000713713	0.0036
411	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.75E-06	0	0	0	0.000788864	0.0039
412	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.3033E-06	0	0	0	0.000880757	0.0044
413	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.9617E-06	0	0	0	0.000990093	0.005
414	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.7447E-06	0	0	0	0.001120131	0.0056
415	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.9167E-06	0	0	0	0.001314777	0.0066
416	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.9238E-06	0	0	0	0.00164811	0.0082

417	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.2572E-05	0	0	0	0.002087923	0.0104
418	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.6936E-05	0	0	0	0.002812688	0.0141
419	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.7332E-05	0	0	0	0.004539216	0.0227
420	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.0612E-05	0	0	0	0.003423079	0.0171
421	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.7037E-05	0	0	0	0.004490116	0.0225
422	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.9892E-05	0	0	0	0.003303643	0.0165
423	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.4532E-05	0	0	0	0.004074175	0.0204
424	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.1989E-05	0	0	0	0.003651885	0.0183
425	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.6916E-05	0	0	0	0.002809384	0.014
426	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.642E-05	0	0	0	0.002726971	0.0136
427	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.0712E-05	0	0	0	0.001779083	0.0089
428	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.8458E-06	0	0	0	0.000970841	0.0049
429	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.9846E-06	0	0	0	0.00115998	0.0058
430	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.6366E-06	0	0	0	0.001268256	0.0063
431	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.0262E-06	0	0	0	0.001166875	0.0058
432	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.7739E-06	0	0	0	0.000958907	0.0048
433	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.3824E-06	0	0	0	0.000727811	0.0036
434	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.1179E-06	0	0	0	0.000517811	0.0026
435	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.369E-06	0	0	0	0.000559509	0.0028
436	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.6579E-06	0	0	0	0.000607496	0.003
437	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.0001E-06	0	0	0	0.000664314	0.0033
438	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.4434E-06	0	0	0	0.000737941	0.0037
439	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.0208E-06	0	0	0	0.000833838	0.0042
440	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.7584E-06	0	0	0	0.000956329	0.0048
441	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.7403E-06	0	0	0	0.001119397	0.0056
442	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.1055E-06	0	0	0	0.001346122	0.0067
443	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.0081E-05	0	0	0	0.001674189	0.0084
444	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.3031E-05	0	0	0	0.002164182	0.0108
445	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.7839E-05	0	0	0	0.002962644	0.0148
446	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.6725E-05	0	0	0	0.004438376	0.0222
447	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.7978E-05	0	0	0	0.0046464	0.0232
448	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.9319E-05	0	0	0	0.003208466	0.016
449	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.9472E-05	0	0	0	0.003233871	0.0162
450	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.8898E-05	0	0	0	0.003138528	0.0157
451	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.8343E-05	0	0	0	0.003046345	0.0152
452	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.5869E-05	0	0	0	0.002635403	0.0132
453	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.6715E-05	0	0	0	0.002775936	0.0139
454	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.2154E-05	0	0	0	0.002018415	0.0101
455	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.1024E-05	0	0	0	0.001830762	0.0092
456	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.0299E-05	0	0	0	0.001710409	0.0086
457	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.6773E-06	0	0	0	0.000942859	0.0047
458	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.0753E-06	0	0	0	0.000676803	0.0034
459	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.4861E-06	0	0	0	0.00074503	0.0037
460	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.2469E-06	0	0	0	0.000871389	0.0044
461	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.3162E-06	0	0	0	0.000882902	0.0044
462	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.1524E-06	0	0	0	0.000523543	0.0026
463	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.3929E-06	0	0	0	0.000563479	0.0028
464	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.6632E-06	0	0	0	0.000608373	0.003
465	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.021E-06	0	0	0	0.000667799	0.0033
466	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.4593E-06	0	0	0	0.00074059	0.0037
467	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.094E-06	0	0	0	0.000845996	0.0042
468	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.9073E-06	0	0	0	0.000981065	0.0049
469	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.9128E-06	0	0	0	0.001148054	0.0057
470	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.208E-06	0	0	0	0.001363148	0.0068
471	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.869E-06	0	0	0	0.001639004	0.0082
472	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.2498E-05	0	0	0	0.002075686	0.0104
473	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.7515E-05	0	0	0	0.002908867	0.0145
474	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.7033E-05	0	0	0	0.004489506	0.0224
475	570990.55,	0	0	0	0	0	0	0	0	0	0	0.01	0	4.6051E-05	0	0	0	0.007648018	0.0382
476	571030.55,	0	0	0	0	0	0	0	0	0	0	0.01	0	3.6986E-05	0	0	0	0.006142433	0.0307

477	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.0077E-05	0	0	0	0.003334256	0.0167
478	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.4909E-05	0	0	0	0.002475945	0.0124
479	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.6282E-05	0	0	0	0.002704006	0.0135
480	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.2245E-05	0	0	0	0.002033637	0.0102
481	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.3339E-05	0	0	0	0.002215347	0.0111
482	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.4013E-06	0	0	0	0.001395255	0.007
483	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.3094E-05	0	0	0	0.002174566	0.0109
484	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.4667E-06	0	0	0	0.001572199	0.0079
485	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.5413E-06	0	0	0	0.0014185	0.0071
486	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.6987E-06	0	0	0	0.001444651	0.0072
487	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.344E-06	0	0	0	0.00105359	0.0053
488	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.3085E-06	0	0	0	0.000549458	0.0027
489	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.0608E-06	0	0	0	0.000508325	0.0025
490	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.0934E-06	0	0	0	0.000513736	0.0026
491	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.3108E-06	0	0	0	0.000549852	0.0027
492	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.5083E-06	0	0	0	0.000582646	0.0029
493	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.7388E-06	0	0	0	0.000620926	0.0031
494	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.1162E-06	0	0	0	0.000683606	0.0034
495	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.6536E-06	0	0	0	0.000772843	0.0039
496	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.3382E-06	0	0	0	0.000886544	0.0044
497	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.2535E-06	0	0	0	0.001038549	0.0052
498	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.2665E-06	0	0	0	0.001206785	0.006
499	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.4533E-06	0	0	0	0.001403897	0.007
500	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.0745E-05	0	0	0	0.001784552	0.0089
501	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.3144E-05	0	0	0	0.002182932	0.0109
502	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.9038E-05	0	0	0	0.003161684	0.0158
503	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.8718E-05	0	0	0	0.004769441	0.0238
504	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.2248E-05	0	0	0	0.005355675	0.0268
505	570950.55,	0	0	0	0	0	0	0	0	0	0	0.01	0	5.5017E-05	0	0	0	0.009136969	0.0457
506	570990.55,	0	0	0	0	0	0	0	0	0	0	0.01	0	5.0745E-05	0	0	0	0.008427591	0.0421
507	571030.55,	0	0	0	0	0	0	0	0	0	0	0.01	0	3.3568E-05	0	0	0	0.005574863	0.0279
508	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.3482E-05	0	0	0	0.002239019	0.0112
509	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.6197E-05	0	0	0	0.002689922	0.0134
510	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.3982E-05	0	0	0	0.002322142	0.0116
511	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.7778E-06	0	0	0	0.001623858	0.0081
512	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.1331E-05	0	0	0	0.001881787	0.0094
513	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.0485E-05	0	0	0	0.001741244	0.0087
514	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.76E-06	0	0	0	0.000956606	0.0048
515	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.0544E-05	0	0	0	0.001751154	0.0088
516	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.649E-06	0	0	0	0.001270319	0.0064
517	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.6619E-06	0	0	0	0.001106381	0.0055
518	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.9305E-06	0	0	0	0.001150989	0.0058
519	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.2031E-06	0	0	0	0.001030187	0.0052
520	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.0343E-06	0	0	0	0.000670007	0.0034
521	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.2211E-06	0	0	0	0.000368871	0.0018
522	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.5168E-06	0	0	0	0.000584064	0.0029
523	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.8306E-06	0	0	0	0.000636175	0.0032
524	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.1602E-06	0	0	0	0.000690909	0.0035
525	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.5185E-06	0	0	0	0.000750416	0.0038
526	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.8703E-06	0	0	0	0.000808848	0.004
527	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.7226E-06	0	0	0	0.000950382	0.0048
528	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.751E-06	0	0	0	0.001121185	0.0056
529	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.6921E-06	0	0	0	0.001277472	0.0064
530	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.6359E-06	0	0	0	0.001434211	0.0072
531	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.1653E-05	0	0	0	0.001935269	0.0097
532	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.4179E-05	0	0	0	0.002354852	0.0118
533	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.849E-05	0	0	0	0.00307068	0.0154
534	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.9874E-05	0	0	0	0.003300558	0.0165
535	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.2456E-05	0	0	0	0.003729396	0.0186
536	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.5129E-05	0	0	0	0.004173299	0.0209

537	570910.55,	0	0	0	0	0	0	0	0	0	0	0.01	0	3.4973E-05	0	0	0	0.005808169	0.029
538	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.8453E-05	0	0	0	0.004725422	0.0236
539	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.6723E-05	0	0	0	0.004438007	0.0222
540	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.8718E-05	0	0	0	0.00476931	0.0238
541	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.9371E-05	0	0	0	0.003217016	0.0161
542	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.463E-05	0	0	0	0.002429612	0.0121
543	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.1151E-05	0	0	0	0.001851882	0.0093
544	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.7736E-06	0	0	0	0.001457084	0.0073
545	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.1395E-06	0	0	0	0.001517858	0.0076
546	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.7506E-06	0	0	0	0.001453268	0.0073
547	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.1611E-06	0	0	0	0.001189282	0.0059
548	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.6912E-06	0	0	0	0.000945169	0.0047
549	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.6981E-06	0	0	0	0.00144454	0.0072
550	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.3521E-06	0	0	0	0.001054935	0.0053
551	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.7018E-06	0	0	0	0.000946936	0.0047
552	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.3693E-06	0	0	0	0.00089171	0.0045
553	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.5995E-06	0	0	0	0.00092994	0.0046
554	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.3239E-06	0	0	0	0.000718088	0.0036
555	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.5575E-06	0	0	0	0.000590819	0.003
556	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.8337E-06	0	0	0	0.000636681	0.0032
557	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.3163E-06	0	0	0	0.000716834	0.0036
558	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.8428E-06	0	0	0	0.000804272	0.004
559	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.372E-06	0	0	0	0.000892163	0.0045
560	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.7742E-06	0	0	0	0.000958964	0.0048
561	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.3905E-06	0	0	0	0.001061309	0.0053
562	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.2465E-06	0	0	0	0.001369545	0.0068
563	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.8513E-06	0	0	0	0.001636062	0.0082
564	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.1599E-05	0	0	0	0.001926363	0.0096
565	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.3774E-05	0	0	0	0.002287502	0.0114
566	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.4034E-05	0	0	0	0.002330733	0.0117
567	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.525E-05	0	0	0	0.002532707	0.0127
568	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.7505E-05	0	0	0	0.002907115	0.0145
569	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.2788E-05	0	0	0	0.003784578	0.0189
570	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.3633E-05	0	0	0	0.003924833	0.0196
571	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.5728E-05	0	0	0	0.002612062	0.0131
572	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.1217E-05	0	0	0	0.003523667	0.0176
573	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.2393E-05	0	0	0	0.002058243	0.0103
574	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.912E-05	0	0	0	0.003175341	0.0159
575	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.3063E-05	0	0	0	0.002169497	0.0108
576	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.2765E-05	0	0	0	0.002119932	0.0106
577	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.323E-06	0	0	0	0.001216171	0.0061
578	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.7161E-06	0	0	0	0.001115385	0.0056
579	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.776E-06	0	0	0	0.001291413	0.0065
580	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.3755E-06	0	0	0	0.001224887	0.0061
581	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.0148E-06	0	0	0	0.000998915	0.005
582	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.4188E-06	0	0	0	0.000899928	0.0045
583	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.3201E-06	0	0	0	0.001215692	0.0061
584	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.3865E-06	0	0	0	0.000894572	0.0045
585	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.9119E-06	0	0	0	0.000815753	0.0041
586	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.6523E-06	0	0	0	0.000772639	0.0039
587	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.8261E-06	0	0	0	0.000801493	0.004
588	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.8223E-06	0	0	0	0.000634794	0.0032
589	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.1561E-06	0	0	0	0.000690229	0.0035
590	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.4108E-06	0	0	0	0.00073252	0.0037
591	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.6885E-06	0	0	0	0.000778651	0.0039
592	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.0234E-06	0	0	0	0.000834271	0.0042
593	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.3034E-06	0	0	0	0.001046849	0.0052
594	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.4104E-06	0	0	0	0.001230696	0.0062
595	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.8054E-06	0	0	0	0.001296292	0.0065
596	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.7668E-06	0	0	0	0.001622032	0.0081

597	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.0924E-05	0	0	0	0.001814198	0.0091
598	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.0643E-05	0	0	0	0.001767469	0.0088
599	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.2236E-05	0	0	0	0.002032114	0.0102
600	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.2101E-05	0	0	0	0.002009738	0.01
601	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.3604E-05	0	0	0	0.002259337	0.0113
602	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.8224E-05	0	0	0	0.003026502	0.0151
603	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.743E-05	0	0	0	0.002894741	0.0145
604	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.549E-05	0	0	0	0.002572499	0.0129
605	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.5094E-05	0	0	0	0.002506812	0.0125
606	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.5027E-05	0	0	0	0.00249566	0.0125
607	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.1357E-05	0	0	0	0.001886183	0.0094
608	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.3915E-05	0	0	0	0.002310955	0.0116
609	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.8363E-06	0	0	0	0.001633568	0.0082
610	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.9128E-06	0	0	0	0.001646284	0.0082
611	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.7965E-06	0	0	0	0.001294812	0.0065
612	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.3496E-06	0	0	0	0.001054524	0.0053
613	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.3391E-06	0	0	0	0.001052766	0.0053
614	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.8395E-06	0	0	0	0.000969796	0.0048
615	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.3343E-06	0	0	0	0.000719825	0.0036
616	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.0561E-06	0	0	0	0.000839698	0.0042
617	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.2636E-06	0	0	0	0.001040239	0.0052
618	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.6435E-06	0	0	0	0.000771172	0.0039
619	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.2574E-06	0	0	0	0.000707058	0.0035
620	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.0138E-06	0	0	0	0.000666596	0.0033
621	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.6585E-06	0	0	0	0.000607591	0.003
622	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.9153E-06	0	0	0	0.000650241	0.0033
623	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.1033E-06	0	0	0	0.000681462	0.0034
624	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.0249E-06	0	0	0	0.00083451	0.0042
625	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.8756E-06	0	0	0	0.000975791	0.0049
626	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.2899E-06	0	0	0	0.001044606	0.0052
627	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.0425E-06	0	0	0	0.001169585	0.0058
628	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.1493E-06	0	0	0	0.001353396	0.0068
629	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.0125E-06	0	0	0	0.001496759	0.0075
630	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.4724E-06	0	0	0	0.00140706	0.007
631	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.9185E-06	0	0	0	0.00164722	0.0082
632	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.864E-06	0	0	0	0.001638175	0.0082
633	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.915E-06	0	0	0	0.001646637	0.0082
634	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.5507E-06	0	0	0	0.001586144	0.0079
635	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.5122E-05	0	0	0	0.002511334	0.0126
636	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.3575E-05	0	0	0	0.002254447	0.0113
637	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.3943E-05	0	0	0	0.002315677	0.0116
638	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.0894E-05	0	0	0	0.001809205	0.009
639	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.2141E-05	0	0	0	0.002016346	0.0101
640	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.3546E-06	0	0	0	0.001553579	0.0078
641	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.9254E-06	0	0	0	0.001648372	0.0082
642	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.0718E-05	0	0	0	0.001779932	0.0089
643	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.8949E-06	0	0	0	0.001311151	0.0066
644	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.3731E-06	0	0	0	0.001224491	0.0061
645	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.235E-06	0	0	0	0.001201566	0.006
646	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.728E-06	0	0	0	0.000951279	0.0048
647	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.4696E-06	0	0	0	0.000908368	0.0045
648	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.1857E-06	0	0	0	0.000695149	0.0035
649	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.5706E-06	0	0	0	0.000426919	0.0021
650	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.6797E-06	0	0	0	0.000777189	0.0039
651	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.4342E-06	0	0	0	0.000902493	0.0045
652	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.0591E-06	0	0	0	0.000674123	0.0034
653	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.7185E-06	0	0	0	0.000617551	0.0031
654	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.469E-06	0	0	0	0.000576125	0.0029
655	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.1315E-06	0	0	0	0.00068615	0.0034
656	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.8011E-06	0	0	0	0.000797347	0.004

657	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.2209E-06	0	0	0	0.000867065	0.0043
658	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.1928E-06	0	0	0	0.000862405	0.0043
659	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.3615E-06	0	0	0	0.001056497	0.0053
660	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.8186E-06	0	0	0	0.001132406	0.0057
661	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.5925E-06	0	0	0	0.001260937	0.0063
662	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.9708E-06	0	0	0	0.001157688	0.0058
663	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.1843E-06	0	0	0	0.001359214	0.0068
664	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.9065E-06	0	0	0	0.001313079	0.0066
665	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.0155E-06	0	0	0	0.001331187	0.0067
666	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.9768E-06	0	0	0	0.001490837	0.0075
667	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.1131E-06	0	0	0	0.001513471	0.0076
668	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.2196E-05	0	0	0	0.002025467	0.0101
669	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.0957E-05	0	0	0	0.001819763	0.0091
670	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.2016E-05	0	0	0	0.001995641	0.01
671	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.2181E-06	0	0	0	0.001364835	0.0068
672	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.008E-05	0	0	0	0.001673966	0.0084
673	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.5802E-06	0	0	0	0.001591043	0.008
674	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.5225E-06	0	0	0	0.000917157	0.0046
675	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.6007E-06	0	0	0	0.001428378	0.0071
676	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.5911E-06	0	0	0	0.00142678	0.0071
677	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.4519E-06	0	0	0	0.001071507	0.0054
678	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.0344E-06	0	0	0	0.001002171	0.005
679	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.2245E-06	0	0	0	0.00103374	0.0052
680	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.0581E-06	0	0	0	0.000840022	0.0042
681	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.7359E-06	0	0	0	0.000786521	0.0039
682	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.8596E-06	0	0	0	0.000474908	0.0024
683	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.4698E-06	0	0	0	0.000410168	0.0021
684	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.3135E-06	0	0	0	0.000716364	0.0036
685	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.769E-06	0	0	0	0.000792018	0.004
686	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.5889E-06	0	0	0	0.000596023	0.003
687	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.0116E-06	0	0	0	0.000666234	0.0033
688	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.4052E-06	0	0	0	0.000731593	0.0037
689	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.4981E-06	0	0	0	0.000747029	0.0037
690	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.8936E-06	0	0	0	0.000812716	0.0041
691	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.6749E-06	0	0	0	0.00094247	0.0047
692	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.0019E-06	0	0	0	0.000996772	0.005
693	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.5036E-06	0	0	0	0.001080086	0.0054
694	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.8631E-06	0	0	0	0.000973728	0.0049
695	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.9634E-06	0	0	0	0.00115645	0.0058
696	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.7411E-06	0	0	0	0.001119538	0.0056
697	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.1359E-06	0	0	0	0.001185096	0.0059
698	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.6754E-06	0	0	0	0.001108619	0.0055
699	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.2468E-06	0	0	0	0.001203528	0.006
700	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.6842E-06	0	0	0	0.001442245	0.0072
701	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.7531E-06	0	0	0	0.001619761	0.0081
702	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	9.141E-06	0	0	0	0.001518098	0.0076
703	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	1.0198E-05	0	0	0	0.001693626	0.0085
704	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.4143E-06	0	0	0	0.000899191	0.0045
705	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.2725E-06	0	0	0	0.00120778	0.006
706	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.1705E-06	0	0	0	0.001356917	0.0068
707	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.3301E-06	0	0	0	0.001217357	0.0061
708	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.5324E-06	0	0	0	0.000752722	0.0038
709	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.4699E-06	0	0	0	0.001240569	0.0062
710	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.0926E-06	0	0	0	0.001177906	0.0059
711	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.3614E-06	0	0	0	0.000890405	0.0045
712	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.0436E-06	0	0	0	0.000837624	0.0042
713	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.1431E-06	0	0	0	0.000854154	0.0043
714	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.8275E-06	0	0	0	0.000801734	0.004
715	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.7371E-06	0	0	0	0.000620638	0.0031
716	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.1131E-06	0	0	0	0.000350935	0.0018

717	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.5086E-06	0	0	0	0.00041662	0.0021
718	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.9722E-06	0	0	0	0.000659687	0.0033
719	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.2266E-06	0	0	0	0.00070194	0.0035
720	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.9193E-06	0	0	0	0.000650906	0.0033
721	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.8157E-06	0	0	0	0.00063369	0.0032
722	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.5806E-06	0	0	0	0.000760724	0.0038
723	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.0251E-06	0	0	0	0.000834555	0.0042
724	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.3333E-06	0	0	0	0.000885728	0.0044
725	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.6427E-06	0	0	0	0.000937118	0.0047
726	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.0318E-06	0	0	0	0.00083567	0.0042
727	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.0159E-06	0	0	0	0.000999097	0.005
728	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.0592E-06	0	0	0	0.001006291	0.005
729	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.1919E-06	0	0	0	0.001028335	0.0051
730	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.8624E-06	0	0	0	0.000973598	0.0049
731	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.5166E-06	0	0	0	0.001082249	0.0054
732	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.9735E-06	0	0	0	0.000992053	0.005
733	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.5368E-06	0	0	0	0.001251685	0.0063
734	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.8969E-06	0	0	0	0.001311484	0.0066
735	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.7789E-06	0	0	0	0.001291884	0.0065
736	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	8.5959E-06	0	0	0	0.00142757	0.0071
737	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.9915E-06	0	0	0	0.000828969	0.0041
738	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.2045E-06	0	0	0	0.001030413	0.0052
739	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	7.2128E-06	0	0	0	0.001197872	0.006
740	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.6767E-06	0	0	0	0.001108838	0.0055
741	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.9804E-06	0	0	0	0.000827117	0.0041
742	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.9019E-06	0	0	0	0.000814094	0.0041
743	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	6.5197E-06	0	0	0	0.001082771	0.0054
744	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	5.9908E-06	0	0	0	0.000994934	0.005
745	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.5159E-06	0	0	0	0.000749987	0.0037
746	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.208E-06	0	0	0	0.000698855	0.0035
747	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.1523E-06	0	0	0	0.000689602	0.0034
748	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	4.3712E-06	0	0	0	0.000725944	0.0036
749	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.6244E-06	0	0	0	0.000601928	0.003
750	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.4936E-06	0	0	0	0.000414128	0.0021
751	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	2.4977E-06	0	0	0	0.000414808	0.0021
752	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	3.6634E-06	0	0	0	0.000608407	0.003
753	570839.17,	0	0	0	0	0	0	0	0	0	0	0.01	0	6.1376E-05	0	0	0	0.010193003	0.051
754	570839.17,	0	0	0	0	0	0	0	0	0	0	0.01	0	5.453E-05	0	0	0	0.00905612	0.0453
755	570879.17,	0	0	0	0	0	0	0	0	0	0	0.01	0	6.1127E-05	0	0	0	0.010151746	0.0508
756	570879.17,	0	0	0	0	0	0	0	0	0	0	0.02	0	0.0001327	0	0	0	0.022038355	0.1102
757	570879.17,	0	0	0	0	0	0	0	0	0	0	0.03	0	0.00016939	0	0	0	0.028131797	0.1407
758	570879.17,	0	0	0	0	0	0	0	0	0	0	0.01	0	7.4543E-05	0	0	0	0.012379755	0.0619
759	570879.17,	0	0	0	0	0	0	0	0	0	0	0.01	0	4.0733E-05	0	0	0	0.006764697	0.0338
760	570919.17,	0	0	0	0	0	0	0	0	0	0	0.01	0	3.5919E-05	0	0	0	0.00596531	0.0298
761	570919.17,	0	0	0	0	0	0	0	0	0	0	0.01	0	6.713E-05	0	0	0	0.01114868	0.0557
762	570919.17,	0	0	0	0	0	0	0	0	0	0	0.04	0	0.00023235	0	0	0	0.038588	0.1929
763	570919.17,	0	0	0	0	0	0	0	0	0	0	0.18	0	0.00117103	0	0.01	0	0.19448089	0.9724
764	570919.17,	0	0	0	0	0	0	0	0	0	0	0.02	0	0.00013442	0	0	0	0.022323973	0.1116
765	570919.17,	0	0	0	0	0	0	0	0	0	0	0.01	0	5.941E-05	0	0	0	0.009866508	0.0493
766	570959.17,	0	0	0	0	0	0	0	0	0	0	0	0	2.3427E-05	0	0	0	0.003890677	0.0195
767	570959.17,	0	0	0	0	0	0	0	0	0	0	0.01	0	3.5298E-05	0	0	0	0.005862182	0.0293
768	570959.17,	0	0	0	0	0	0	0	0	0	0	0.01	0	5.2896E-05	0	0	0	0.008784745	0.0439
769	570959.17,	0	0	0	0	0	0	0	0	0	0	0.01	0	9.1962E-05	0	0	0	0.015272645	0.0764
770	570959.17,	0	0	0	0	0	0	0	0	0	0	0.02	0	0.00010362	0	0	0	0.017208643	0.086
771	570959.17,	0	0	0	0	0	0	0	0	0	0	0.02	0	0.00010321	0	0	0	0.017141505	0.0857
772	570999.17,	0	0	0	0	0	0	0	0	0	0	0	0	2.8952E-05	0	0	0	0.004808163	0.024
773	570999.17,	0	0	0	0	0	0	0	0	0	0	0	0	2.6002E-05	0	0	0	0.004318232	0.0216
774	570999.17,	0	0	0	0	0	0	0	0	0	0	0	0	2.6617E-05	0	0	0	0.004420416	0.0221
775	570999.17,	0	0	0	0	0	0	0	0	0	0	0.01	0	3.2881E-05	0	0	0	0.005460735	0.0273
776	570999.17,	0	0	0	0	0	0	0	0	0	0	0.01	0	4.0375E-05	0	0	0	0.006705365	0.0335

777	570999.17,	0	0	0	0	0	0	0	0	0	0	0.01	0	4.2179E-05	0	0	0	0.007004914	0.035
778	571039.17,	0	0	0	0	0	0	0	0	0	0	0.01	0	4.8716E-05	0	0	0	0.008090632	0.0405
779	571039.17,	0	0	0	0	0	0	0	0	0	0	0.01	0	4.8961E-05	0	0	0	0.008131314	0.0407
780	571039.17,	0	0	0	0	0	0	0	0	0	0	0.01	0	4.6118E-05	0	0	0	0.007659162	0.0383
781	571039.17,	0	0	0	0	0	0	0	0	0	0	0.01	0	3.6726E-05	0	0	0	0.006099371	0.0305
782	571039.17,	0	0	0	0	0	0	0	0	0	0	0	0	2.3134E-05	0	0	0	0.003841985	0.0192
783	571039.17,	0	0	0	0	0	0	0	0	0	0	0	0	2.094E-05	0	0	0	0.003477612	0.0174
784	571079.17,	0	0	0	0	0	0	0	0	0	0	0.01	0	7.2502E-05	0	0	0	0.012040857	0.0602
785	571079.17,	0	0	0	0	0	0	0	0	0	0	0.02	0	0.00015234	0	0	0	0.025299605	0.1265
786	571079.17,	0	0	0	0	0	0	0	0	0	0	0.02	0	0.00011386	0	0	0	0.018909474	0.0945
787	571079.17,	0	0	0	0	0	0	0	0	0	0	0.01	0	5.5061E-05	0	0	0	0.009144242	0.0457
788	571079.17,	0	0	0	0	0	0	0	0	0	0	0	0	3.0186E-05	0	0	0	0.005013134	0.0251
789	571119.17,	0	0	0	0	0	0	0	0	0	0	0.1	0	0.00061909	0	0	0	0.102815919	0.5141
790	571119.17,	0	0	0	0	0	0	0	0	0	0	0.04	0	0.00028877	0	0	0	0.047958375	0.2398
791	571119.17,	0	0	0	0	0	0	0	0	0	0	0.01	0	7.8267E-05	0	0	0	0.012998332	0.065
792	571159.17,	0	0	0	0	0	0	0	0	0	0	0.02	0	0.00013491	0	0	0	0.022405223	0.112
793	570808.82,	0	0	0	0	0	0	0	0	0	0	0.01	0	3.5378E-05	0	0	0	0.005875485	0.0294
794	570823.91,	0	0	0	0	0	0	0	0	0	0	0.01	0	4.1027E-05	0	0	0	0.006813616	0.0341
795	570883.31,	0	0	0	0	0	0	0	0	0	0	0.01	0	3.3846E-05	0	0	0	0.005621045	0.0281
796	571181.45,	0	0	0	0	0	0	0	0	0	0	0.01	0	6.1893E-05	0	0	0	0.010278975	0.0514
797	571067.83,	0	0	0	0	0	0	0	0	0	0	0.01	0	3.3471E-05	0	0	0	0.005558719	0.0278
798	570799.89,	0	0	0	0	0	0	0	0	0	0	0	0	2.8436E-05	0	0	0	0.004722481	0.0236

		Unmitigated 8hr Hazard																Total	8hr
#	X,Y	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	8hr	Hazard
1	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.27706E-05	0.0035
2	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.81448E-06	0.0002
3	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.09311E-06	0.0002
4	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.2455E-06	0.0002
5	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.19319E-06	0.0002
6	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.26835E-06	0.0002
7	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.73608E-06	0.0002
8	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.78596E-06	0.0003
9	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.81163E-06	0.0003
10	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.96921E-06	0.0003
11	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.92637E-06	0.0003
12	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.07982E-06	0.0003
13	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.02942E-06	0.0003
14	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.07495E-06	0.0003
15	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.70114E-06	0.0004
16	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.3052E-06	0.0004
17	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.37628E-06	0.0006
18	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.37031E-06	0.0006
19	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.82298E-06	0.0005
20	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.98236E-06	0.0005
21	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.43109E-06	0.0005
22	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.96821E-06	0.0006
23	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.66877E-06	0.0006
24	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.04622E-06	0.0005
25	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.32772E-06	0.0006
26	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.46305E-06	0.0005
27	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.20198E-06	0.0005
28	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.94905E-06	0.0005
29	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.53211E-06	0.0006
30	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.53856E-06	0.0006
31	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.24277E-06	0.0005
32	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.98727E-06	0.0005
33	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.54799E-06	0.0004
34	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.79132E-06	0.0002
35	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.86059E-06	0.0002
36	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.966E-06	0.0002
37	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.26559E-06	0.0002
38	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.62165E-06	0.0002
39	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.78949E-06	0.0003
40	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.6787E-06	0.0002
41	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.10641E-06	0.0003
42	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.46832E-06	0.0003
43	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.89368E-06	0.0003
44	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.73596E-06	0.0004
45	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.65955E-06	0.0004
46	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.58791E-06	0.0004
47	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.84736E-06	0.0004
48	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.22666E-06	0.0004
49	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.69212E-06	0.0004
50	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.1192E-06	0.0005
51	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.00939E-05	0.0007
52	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.29528E-06	0.0006
53	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.0733E-06	0.0006
54	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.64098E-06	0.0006

55	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.09006E-05	0.0007
56	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.04826E-05	0.0007
57	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.84415E-06	0.0006
58	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.05234E-05	0.0007
59	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.15325E-06	0.0006
60	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.50268E-06	0.0006
61	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.62513E-06	0.0006
62	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.76269E-06	0.0007
63	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.33571E-06	0.0006
64	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.81372E-06	0.0005
65	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.88411E-06	0.0004
66	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.09748E-06	0.0003
67	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.84081E-06	0.0002
68	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.09352E-06	0.0002
69	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.16633E-06	0.0002
70	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.31488E-06	0.0002
71	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.57094E-06	0.0002
72	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.86633E-06	0.0003
73	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.33285E-06	0.0003
74	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.52191E-06	0.0003
75	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.36421E-06	0.0003
76	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.18577E-06	0.0003
77	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.31695E-06	0.0004
78	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.01813E-06	0.0004
79	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.03621E-06	0.0004
80	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.66446E-06	0.0004
81	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.02285E-06	0.0005
82	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.79762E-06	0.0005
83	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.63526E-06	0.0005
84	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.20036E-05	0.0008
85	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.19638E-05	0.0008
86	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.03818E-05	0.0007
87	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.06572E-05	0.0007
88	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.35121E-05	0.0009
89	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.14566E-05	0.0008
90	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.18694E-05	0.0008
91	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.02564E-05	0.0007
92	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.03889E-05	0.0007
93	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.11954E-05	0.0007
94	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.1361E-05	0.0008
95	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.75029E-06	0.0007
96	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.78582E-06	0.0006
97	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.20213E-06	0.0004
98	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.38819E-06	0.0004
99	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.74132E-06	0.0004
100	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.08409E-06	0.0002
101	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.13877E-06	0.0002
102	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.45413E-06	0.0002
103	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.54028E-06	0.0002
104	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.74107E-06	0.0002
105	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.06381E-06	0.0003
106	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.16805E-06	0.0003
107	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.70309E-06	0.0003
108	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.33179E-06	0.0004
109	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.51583E-06	0.0004
110	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.41761E-06	0.0004
111	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.04961E-06	0.0005
112	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.9634E-06	0.0005

113	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.25437E-06	0.0005
114	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.14855E-06	0.0005
115	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.52853E-06	0.0006
116	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.63474E-06	0.0006
117	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.23067E-05	0.0008
118	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.42444E-05	0.0009
119	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.22979E-05	0.0008
120	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.32357E-05	0.0009
121	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.70376E-05	0.0011
122	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.33574E-05	0.0009
123	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.51021E-05	0.001
124	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.2603E-05	0.0008
125	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.30088E-05	0.0009
126	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.34306E-05	0.0009
127	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.1604E-05	0.0008
128	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.951E-06	0.0007
129	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.93737E-06	0.0005
130	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.9319E-06	0.0005
131	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.75783E-06	0.0005
132	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.78451E-06	0.0005
133	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.45818E-06	0.0002
134	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.59858E-06	0.0002
135	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.49051E-06	0.0002
136	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.88087E-06	0.0003
137	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.98598E-06	0.0003
138	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.27048E-06	0.0003
139	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.67484E-06	0.0003
140	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.74916E-06	0.0003
141	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.13793E-06	0.0003
142	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.9172E-06	0.0004
143	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.79959E-06	0.0005
144	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.2687E-06	0.0006
145	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.17941E-06	0.0005
146	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.97461E-06	0.0005
147	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.11533E-06	0.0006
148	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.03056E-05	0.0007
149	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.08288E-05	0.0007
150	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.21509E-05	0.0008
151	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.87769E-05	0.0013
152	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.65267E-05	0.0011
153	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.68307E-05	0.0011
154	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.17715E-05	0.0015
155	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.61346E-05	0.0011
156	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.56544E-05	0.001
157	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.49164E-05	0.001
158	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.62831E-05	0.0011
159	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.41877E-05	0.0009
160	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.13017E-05	0.0008
161	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.29597E-06	0.0006
162	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.6667E-06	0.0006
163	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.58287E-06	0.0006
164	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.06404E-06	0.0005
165	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.34916E-06	0.0004
166	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.51157E-06	0.0002
167	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.72211E-06	0.0002
168	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.14397E-06	0.0003
169	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.99786E-06	0.0003
170	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.37892E-06	0.0003

171	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.60603E-06	0.0003
172	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.94348E-06	0.0003
173	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.45763E-06	0.0004
174	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.42971E-06	0.0004
175	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.20603E-06	0.0004
176	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.03488E-06	0.0004
177	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.85394E-06	0.0006
178	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.11154E-06	0.0006
179	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.45512E-06	0.0006
180	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.13432E-05	0.0008
181	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.2043E-05	0.0008
182	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.37899E-05	0.0009
183	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.56069E-05	0.001
184	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.16316E-05	0.0014
185	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.33443E-05	0.0016
186	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.28532E-05	0.0015
187	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.78983E-05	0.0019
188	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.45917E-05	0.0016
189	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.95291E-05	0.0013
190	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.07389E-05	0.0014
191	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.79902E-05	0.0012
192	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.2853E-05	0.0009
193	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.23783E-05	0.0008
194	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.13251E-05	0.0008
195	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.93721E-06	0.0006
196	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.79738E-06	0.0005
197	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.24918E-06	0.0005
198	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.35856E-06	0.0005
199	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.01248E-06	0.0003
200	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.19967E-06	0.0003
201	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.04178E-06	0.0003
202	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.69773E-06	0.0003
203	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.89388E-06	0.0003
204	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.96821E-06	0.0003
205	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.46434E-06	0.0004
206	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.82229E-06	0.0004
207	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.4716E-06	0.0004
208	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.49962E-06	0.0004
209	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.28845E-06	0.0005
210	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.23097E-06	0.0005
211	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.12539E-05	0.0008
212	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.09867E-05	0.0007
213	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.31598E-05	0.0009
214	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.50447E-05	0.001
215	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.67624E-05	0.0011
216	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.9978E-05	0.0013
217	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.52297E-05	0.0017
218	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.39747E-05	0.0023
219	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.3401E-05	0.0022
220	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.47261E-05	0.0023
221	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.90059E-05	0.0019
222	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.79137E-05	0.0019
223	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.40565E-05	0.0016
224	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.61536E-05	0.0011
225	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.59652E-05	0.0011
226	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.22898E-05	0.0008
227	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.99278E-06	0.0007
228	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.00165E-05	0.0007

229	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.54564E-06	0.0006
230	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.66885E-06	0.0006
231	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.69828E-06	0.0005
232	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.57337E-06	0.0002
233	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.31285E-06	0.0003
234	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.86491E-06	0.0003
235	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.05384E-06	0.0003
236	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.16071E-06	0.0003
237	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.91899E-06	0.0004
238	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.79565E-06	0.0004
239	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.59801E-06	0.0004
240	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.01131E-06	0.0005
241	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.82635E-06	0.0005
242	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.30902E-06	0.0006
243	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.82235E-06	0.0006
244	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.31263E-05	0.0009
245	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.34419E-05	0.0009
246	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.29854E-05	0.0009
247	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.73697E-05	0.0012
248	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.15186E-05	0.0014
249	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.73378E-05	0.0018
250	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.60486E-05	0.0024
251	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.27303E-05	0.0035
252	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.52531E-05	0.0037
253	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.98585E-05	0.0033
254	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.24039E-05	0.0028
255	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.50186E-05	0.0023
256	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.52793E-05	0.0017
257	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.87893E-05	0.0013
258	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.55821E-05	0.001
259	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.45509E-05	0.001
260	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.24215E-05	0.0008
261	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.02929E-05	0.0007
262	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.53354E-06	0.0006
263	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.19813E-06	0.0005
264	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.14049E-06	0.0004
265	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.78853E-06	0.0003
266	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.81028E-06	0.0003
267	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.30932E-06	0.0003
268	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.33877E-06	0.0004
269	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.09585E-06	0.0004
270	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.24716E-06	0.0004
271	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.98897E-06	0.0005
272	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.26321E-06	0.0005
273	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.07936E-06	0.0005
274	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.68701E-06	0.0006
275	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.68438E-06	0.0006
276	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.13252E-05	0.0008
277	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.27541E-05	0.0009
278	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.60491E-05	0.0011
279	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.48365E-05	0.001
280	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.72278E-05	0.0011
281	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.45815E-05	0.0016
282	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.4613E-05	0.0023
283	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.62888E-05	0.0038
284	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000117737	0.0078
285	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000121906	0.0081
286	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.3186E-05	0.0049

287	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.1113E-05	0.0027
288	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.99089E-05	0.002
289	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.20598E-05	0.0015
290	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.53769E-05	0.001
291	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.11714E-05	0.0007
292	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.67674E-06	0.0006
293	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.15121E-06	0.0005
294	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.08742E-06	0.0004
295	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.24118E-06	0.0003
296	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.74779E-06	0.0003
297	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.8406E-06	0.0003
298	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.32609E-06	0.0003
299	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.71245E-06	0.0003
300	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.90324E-06	0.0003
301	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.35619E-06	0.0004
302	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.88147E-06	0.0005
303	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.97877E-06	0.0005
304	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.97425E-06	0.0005
305	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.54003E-06	0.0006
306	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.01431E-05	0.0007
307	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.12122E-05	0.0007
308	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.25798E-05	0.0008
309	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.54176E-05	0.001
310	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.18625E-05	0.0015
311	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.93064E-05	0.0013
312	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.13904E-05	0.0014
313	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.77741E-05	0.0019
314	571150.55,	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0.000346679	0.0231
315	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.42802E-05	0.0063
316	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.96431E-05	0.0033
317	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.22721E-05	0.0022
318	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.25962E-05	0.0015
319	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.65001E-05	0.0011
320	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.25024E-05	0.0008
321	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.7505E-06	0.0007
322	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.84911E-06	0.0005
323	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.43701E-06	0.0004
324	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.37276E-06	0.0004
325	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.56863E-06	0.0003
326	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.28082E-06	0.0003
327	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.40113E-06	0.0003
328	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.4289E-06	0.0003
329	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.21743E-06	0.0003
330	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.00954E-06	0.0004
331	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.6003E-06	0.0004
332	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.90301E-06	0.0005
333	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.39135E-06	0.0006
334	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.11053E-05	0.0007
335	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.22679E-05	0.0008
336	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.306E-05	0.0009
337	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.52969E-05	0.001
338	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.81877E-05	0.0012
339	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.35017E-05	0.0016
340	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.86833E-05	0.0019
341	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.61061E-05	0.0017
342	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000143779	0.0096
343	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.65179E-05	0.0044
344	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.78865E-05	0.0025

345	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.47623E-05	0.0017
346	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.70654E-05	0.0011
347	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.27899E-05	0.0009
348	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.89368E-06	0.0007
349	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.84916E-06	0.0005
350	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.37286E-06	0.0004
351	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.2614E-06	0.0004
352	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.40131E-06	0.0003
353	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.47164E-06	0.0003
354	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.9406E-06	0.0003
355	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.43175E-06	0.0004
356	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.88773E-06	0.0004
357	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.2851E-06	0.0004
358	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.51415E-06	0.0004
359	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.82654E-06	0.0005
360	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.37813E-06	0.0006
361	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.04025E-05	0.0007
362	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.40297E-05	0.0009
363	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.70737E-05	0.0011
364	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.99804E-05	0.0013
365	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.27559E-05	0.0015
366	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.50201E-05	0.0023
367	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.45035E-05	0.003
368	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00013373	0.0089
369	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.83031E-05	0.0052
370	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.89963E-05	0.0033
371	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.63496E-05	0.0024
372	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.50588E-05	0.0017
373	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.69715E-05	0.0011
374	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.38944E-05	0.0009
375	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.07764E-05	0.0007
376	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.20043E-06	0.0005
377	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.20737E-06	0.0005
378	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.20206E-06	0.0004
379	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.52823E-06	0.0004
380	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.75062E-06	0.0003
381	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.95386E-06	0.0003
382	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.16863E-06	0.0003
383	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.61869E-06	0.0004
384	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.58752E-06	0.0004
385	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.71085E-06	0.0005
386	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.95829E-06	0.0006
387	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.02924E-05	0.0007
388	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.15039E-05	0.0008
389	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.40852E-05	0.0009
390	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.82406E-05	0.0012
391	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.47472E-05	0.0016
392	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.30193E-05	0.0022
393	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.77488E-05	0.0032
394	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.54783E-05	0.0044
395	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.44917E-05	0.0043
396	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.6802E-05	0.0031
397	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.70627E-05	0.0025
398	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.37841E-05	0.0023
399	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.88501E-05	0.0013
400	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.58367E-05	0.0011
401	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.40191E-05	0.0009
402	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.09768E-05	0.0007

403	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.64782E-06	0.0005
404	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.59041E-06	0.0004
405	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.88831E-06	0.0004
406	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.07011E-06	0.0003
407	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.30515E-06	0.0004
408	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.76669E-06	0.0004
409	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.31228E-06	0.0004
410	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.94663E-06	0.0005
411	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.67808E-06	0.0005
412	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.57247E-06	0.0006
413	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.63664E-06	0.0006
414	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.09023E-05	0.0007
415	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.24273E-05	0.0008
416	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.48511E-05	0.001
417	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.01025E-05	0.0013
418	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.7376E-05	0.0018
419	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.95452E-05	0.0026
420	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.81221E-05	0.0019
421	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.41814E-05	0.0023
422	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.76354E-05	0.0025
423	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.48056E-05	0.0023
424	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.81617E-05	0.0019
425	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.34371E-05	0.0016
426	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.33368E-05	0.0016
427	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.57168E-05	0.001
428	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.94213E-06	0.0007
429	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.97767E-06	0.0006
430	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.25784E-06	0.0006
431	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.51784E-06	0.0006
432	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.99976E-06	0.0005
433	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.31284E-06	0.0004
434	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.50973E-06	0.0003
435	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.96172E-06	0.0003
436	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.48393E-06	0.0004
437	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.10033E-06	0.0004
438	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.88433E-06	0.0005
439	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.90264E-06	0.0005
440	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.19618E-06	0.0006
441	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.08516E-05	0.0007
442	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.31016E-05	0.0009
443	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.62946E-05	0.0011
444	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.10635E-05	0.0014
445	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.88344E-05	0.0019
446	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.31999E-05	0.0029
447	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.40975E-05	0.0043
448	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.62385E-05	0.0024
449	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.44374E-05	0.0016
450	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.46106E-05	0.0016
451	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.96482E-05	0.002
452	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.92374E-05	0.0013
453	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.26015E-05	0.0015
454	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.66711E-05	0.0011
455	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.52684E-05	0.001
456	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.43023E-05	0.001
457	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.25833E-06	0.0006
458	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.14299E-06	0.0004
459	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.74075E-06	0.0004
460	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.36082E-06	0.0004

461	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.44491E-06	0.0004
462	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.09564E-06	0.0003
463	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.48434E-06	0.0004
464	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.92129E-06	0.0004
465	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.49968E-06	0.0004
466	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.20814E-06	0.0005
467	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.23402E-06	0.0005
468	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.54859E-06	0.0006
469	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.11738E-05	0.0007
470	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.32671E-05	0.0009
471	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.59517E-05	0.0011
472	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.92323E-05	0.0013
473	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.24926E-05	0.0015
474	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.27715E-05	0.0022
475	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00010042	0.0067
476	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.21614E-05	0.0041
477	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.27472E-05	0.0022
478	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.4793E-05	0.0017
479	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.97376E-05	0.0013
480	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.60536E-05	0.0011
481	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.8706E-05	0.0012
482	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.23953E-05	0.0008
483	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.83438E-05	0.0012
484	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.34939E-05	0.0009
485	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.07489E-05	0.0007
486	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.17203E-05	0.0008
487	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.72138E-06	0.0006
488	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.77188E-06	0.0003
489	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.25486E-06	0.0003
490	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.02971E-06	0.0003
491	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.35168E-06	0.0004
492	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.67087E-06	0.0004
493	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.04343E-06	0.0004
494	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.49104E-06	0.0004
495	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.93641E-06	0.0005
496	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.44943E-06	0.0005
497	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.96702E-06	0.0005
498	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.80922E-06	0.0006
499	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.0248E-05	0.0007
500	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.30265E-05	0.0009
501	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.59345E-05	0.0011
502	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.30786E-05	0.0015
503	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.50355E-05	0.0023
504	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.35174E-05	0.0029
505	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.80945E-05	0.0059
506	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.24959E-05	0.0042
507	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.84406E-05	0.0032
508	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.72101E-05	0.0018
509	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.1427E-05	0.0014
510	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.71037E-05	0.0011
511	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.2381E-05	0.0008
512	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.83144E-05	0.0012
513	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.27102E-05	0.0008
514	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.03915E-06	0.0006
515	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.45723E-05	0.001
516	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.08443E-05	0.0007
517	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.21658E-06	0.0006
518	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.18794E-06	0.0006

519	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.29453E-06	0.0006
520	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.53526E-06	0.0004
521	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.31659E-06	0.0002
522	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.50899E-06	0.0003
523	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.64399E-06	0.0003
524	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.04348E-06	0.0003
525	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.47788E-06	0.0004
526	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.90446E-06	0.0004
527	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.93756E-06	0.0005
528	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.18429E-06	0.0005
529	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.32509E-06	0.0006
530	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.04692E-05	0.0007
531	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.41266E-05	0.0009
532	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.71894E-05	0.0011
533	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.4936E-05	0.0017
534	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.64258E-05	0.0018
535	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.88925E-05	0.0019
536	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.25268E-05	0.0022
537	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.45854E-05	0.003
538	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.49051E-05	0.003
539	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.49382E-05	0.0023
540	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.50198E-05	0.0023
541	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.70737E-05	0.0018
542	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.07666E-05	0.0014
543	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.35182E-05	0.0009
544	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.13115E-05	0.0008
545	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.29884E-05	0.0009
546	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.2164E-05	0.0008
547	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.68108E-06	0.0006
548	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.07213E-06	0.0005
549	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.16269E-05	0.0008
550	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.71548E-06	0.0006
551	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.89974E-06	0.0005
552	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.05421E-06	0.0005
553	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.37819E-06	0.0005
554	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.7814E-06	0.0004
555	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.31286E-06	0.0003
556	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.64767E-06	0.0003
557	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.23275E-06	0.0003
558	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.87099E-06	0.0004
559	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.51253E-06	0.0004
560	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.00015E-06	0.0005
561	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.74726E-06	0.0005
562	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.99706E-06	0.0007
563	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.19425E-05	0.0008
564	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.40617E-05	0.0009
565	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.90826E-05	0.0013
566	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.87137E-05	0.0012
567	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.00093E-05	0.0013
568	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.19832E-05	0.0015
569	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.76261E-05	0.0018
570	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.86504E-05	0.0019
571	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.96623E-05	0.002
572	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.29018E-05	0.0022
573	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.07391E-05	0.0014
574	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.32378E-05	0.0015
575	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.72811E-05	0.0012
576	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.74605E-05	0.0012

577	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.03833E-05	0.0007
578	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.01235E-05	0.0007
579	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.25687E-05	0.0008
580	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.94107E-06	0.0006
581	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.29163E-06	0.0005
582	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.34805E-06	0.0005
583	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.56079E-06	0.0006
584	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.17052E-06	0.0005
585	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.80537E-06	0.0005
586	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.64005E-06	0.0004
587	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.29966E-06	0.0004
588	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.63387E-06	0.0003
589	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.0385E-06	0.0003
590	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.34721E-06	0.0004
591	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.68394E-06	0.0004
592	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.08999E-06	0.0004
593	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.64161E-06	0.0005
594	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.98348E-06	0.0006
595	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.46249E-06	0.0006
596	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.19853E-05	0.0008
597	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.51139E-05	0.001
598	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.41071E-05	0.0009
599	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.63539E-05	0.0011
600	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.46702E-05	0.001
601	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.65841E-05	0.0011
602	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.24366E-05	0.0015
603	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.11303E-05	0.0014
604	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.08789E-05	0.0014
605	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.43973E-05	0.0016
606	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.82171E-05	0.0012
607	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.37686E-05	0.0009
608	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.68888E-05	0.0011
609	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.36279E-05	0.0009
610	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.33156E-05	0.0009
611	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.06299E-05	0.0007
612	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.02633E-05	0.0007
613	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.78251E-06	0.0006
614	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.07898E-06	0.0005
615	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.25448E-06	0.0004
616	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.78625E-06	0.0005
617	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.11992E-06	0.0005
618	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.08237E-06	0.0004
619	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.89859E-06	0.0004
620	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.86594E-06	0.0003
621	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.43528E-06	0.0003
622	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.7466E-06	0.0003
623	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.97455E-06	0.0003
624	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.09167E-06	0.0004
625	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.12287E-06	0.0005
626	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.62514E-06	0.0005
627	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.53759E-06	0.0006
628	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.06289E-05	0.0007
629	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.23156E-05	0.0008
630	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.12105E-05	0.0007
631	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.34522E-05	0.0009
632	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.1958E-05	0.0008
633	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.20241E-05	0.0008
634	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.15784E-05	0.0008

635	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.83308E-05	0.0012
636	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.64561E-05	0.0011
637	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.69032E-05	0.0011
638	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.32069E-05	0.0009
639	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.83553E-05	0.0012
640	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.13404E-05	0.0008
641	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.20327E-05	0.0008
642	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.30006E-05	0.0009
643	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.09381E-05	0.0007
644	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.79866E-06	0.0007
645	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.66156E-06	0.0006
646	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.25838E-06	0.0006
647	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.63069E-06	0.0004
648	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.07418E-06	0.0003
649	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.86306E-06	0.0003
650	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.2906E-06	0.0004
651	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.06782E-06	0.0005
652	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.30557E-06	0.0004
653	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.15188E-06	0.0003
654	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.20563E-06	0.0003
655	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.00872E-06	0.0003
656	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.82035E-06	0.0004
657	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.3292E-06	0.0004
658	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.29523E-06	0.0004
659	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.71211E-06	0.0005
660	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.39205E-06	0.0006
661	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.0253E-05	0.0007
662	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.22316E-06	0.0006
663	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.12565E-05	0.0008
664	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.58502E-06	0.0006
665	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.71717E-06	0.0006
666	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.08926E-05	0.0007
667	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.10476E-05	0.0007
668	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.4784E-05	0.001
669	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.3283E-05	0.0009
670	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.45669E-05	0.001
671	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.02729E-05	0.0007
672	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.62919E-05	0.0011
673	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.16139E-05	0.0008
674	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.93102E-06	0.0005
675	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.04268E-05	0.0007
676	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.04177E-05	0.0007
677	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.9389E-06	0.0006
678	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.31571E-06	0.0005
679	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.20965E-06	0.0005
680	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.77248E-06	0.0005
681	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.7412E-06	0.0004
682	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.96954E-06	0.0003
683	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.64713E-06	0.0002
684	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.80051E-06	0.0004
685	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.2474E-06	0.0004
686	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.72168E-06	0.0003
687	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.86331E-06	0.0003
688	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.34035E-06	0.0004
689	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.45299E-06	0.0004
690	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.93253E-06	0.0004
691	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.87979E-06	0.0005
692	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.31547E-06	0.0006

693	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.69007E-06	0.0006
694	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7776E-06	0.0005
695	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.58093E-06	0.0006
696	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.60078E-06	0.0006
697	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.65077E-06	0.0006
698	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.09347E-06	0.0005
699	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.78529E-06	0.0006
700	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.05275E-05	0.0007
701	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.18229E-05	0.0008
702	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.10809E-05	0.0007
703	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.23622E-05	0.0008
704	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.09046E-06	0.0006
705	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.10784E-05	0.0007
706	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.20932E-05	0.0008
707	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.88603E-06	0.0006
708	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.88764E-06	0.0004
709	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.05584E-06	0.0006
710	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.59955E-06	0.0006
711	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.42812E-06	0.0005
712	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.36272E-06	0.0004
713	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.16855E-06	0.0005
714	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.35232E-06	0.0004
715	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.71761E-06	0.0003
716	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.61085E-06	0.0002
717	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.55362E-06	0.0002
718	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.31021E-06	0.0004
719	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.56289E-06	0.0004
720	570310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.75136E-06	0.0003
721	570350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.62573E-06	0.0003
722	570390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.55304E-06	0.0004
723	570430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.36138E-06	0.0004
724	570470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.38911E-06	0.0005
725	570510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.48396E-06	0.0005
726	570550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.68763E-06	0.0004
727	570590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.2737E-06	0.0006
728	570630.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.83455E-06	0.0005
729	570670.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.50652E-06	0.0005
730	570710.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.10693E-06	0.0005
731	570750.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.90115E-06	0.0005
732	570790.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.24173E-06	0.0005
733	570830.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.5151E-06	0.0006
734	570870.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.57279E-06	0.0006
735	570910.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.42968E-06	0.0006
736	570950.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.04202E-05	0.0007
737	570990.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.55993E-06	0.0005
738	571030.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.52188E-06	0.0005
739	571070.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.16584E-05	0.0008
740	571110.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.30788E-06	0.0006
741	571150.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.03745E-06	0.0004
742	571190.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.94273E-06	0.0004
743	571230.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.90395E-06	0.0005
744	571270.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.26365E-06	0.0005
745	571310.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.25674E-06	0.0004
746	571350.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.68657E-06	0.0004
747	571390.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.43792E-06	0.0004
748	571430.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.69512E-06	0.0004
749	571470.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.77067E-06	0.0003
750	571510.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.34635E-06	0.0002

751	571550.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.40386E-06	0.0002
752	571590.55,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.8429E-06	0.0003
753	570839.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.36023E-05	0.0056
754	570839.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.82505E-05	0.0059
755	570879.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.99502E-05	0.006
756	570879.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000276715	0.0184
757	570879.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000235096	0.0157
758	570879.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000158522	0.0106
759	570879.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.14592E-05	0.0041
760	570919.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.20967E-05	0.0035
761	570919.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000108273	0.0072
762	570919.17,	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0.000414606	0.0276
763	570919.17,	0	0	0	0	0	0	0	0	0	0	0.05	0	0	0	0	0.01	0.003355686	0.2237
764	570919.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000272659	0.0182
765	570919.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.24988E-05	0.0062
766	570959.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.8575E-05	0.0019
767	570959.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.88999E-05	0.0033
768	570959.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.54279E-05	0.0057
769	570959.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000174589	0.0116
770	570959.17,	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0.000321367	0.0214
771	570959.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000142899	0.0095
772	570999.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.6799E-05	0.0031
773	570999.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.94974E-05	0.0026
774	570999.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.22656E-05	0.0022
775	570999.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.98124E-05	0.0033
776	570999.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.66534E-05	0.0044
777	570999.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000106649	0.0071
778	571039.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.80041E-05	0.0045
779	571039.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7188E-05	0.0051
780	571039.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.59119E-05	0.0037
781	571039.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.76756E-05	0.0038
782	571039.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.10817E-05	0.0021
783	571039.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.27058E-05	0.0022
784	571079.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000149868	0.01
785	571079.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000247296	0.0165
786	571079.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000238492	0.0159
787	571079.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000103312	0.0069
788	571079.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.21893E-05	0.0028
789	571119.17,	0	0	0	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0.001532432	0.1022
790	571119.17,	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0.000761665	0.0508
791	571119.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000152381	0.0102
792	571159.17,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000270412	0.018
793	570808.82,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.72035E-05	0.0038
794	570823.91,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.0372E-05	0.0034
795	570883.31,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.27192E-05	0.0028
796	571181.45,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000184346	0.0123
797	571067.83,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.17559E-05	0.0035
798	570799.89,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.4613E-05	0.003

	Trenching	Grading	Stockpile
Emissions Rate (g/s):	1.40582E-12	1.25E-11	5.06E-08

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	0.057	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	0.057	10	2	70	0.85
2<9	861	1	0.854795	0.000001	0.057	3	0.75	70	0.72
Student	640	1	0.493151	0.000001	0.057	3	2.8	70	1
Worker	230	1	0.684932	0.000001	0.057	1	2.8	70	1

1,1,1-Trichloroethane

	Chronic (Annu	Acute (1hr)	8hr
REL:	1	1	1

													Concentration (µg/m^3)			Unmitigated										Student		Worker	
				Concentration [µg/m^3] at 1 g/s									Unmitigated			Residential Dose			Risk by Age Group				Unmitigated			Unmitigated		Unmitigated	
#	X	Y	X,Y	Trenching Period	Grading Period	Stockpile Period	Treching 1hr	Grading 1hr	Stockpile 1hr	Trenching 8hr	Grading 8hr	Stockpile 8hr	Period Tota	1hr Total	8hr Total	3rd	0<2	2<9	3rd	0<2	2<9	Total Risk	Chronic	Acute	8hr	Dose	Risk	Dose	Risk
1	570310.6	4177919	0.55, 41779	0.08215	0.06425	0.08047	53.98877	25.74637	57.86027	6.7486	3.78109	7.23253	4.07E-09	2.93E-06	3.66E-07	1.26E-12	3.8E-12	3E-12	2.18E-15	5.25E-14	3.95E-15	5.86684E-14	4.073E-09	2.9287E-06	3.66E-07	1.28565E-12	8.79387E-15	6.4171E-13	1.4631E-15
2	570350.6	4177919	0.55, 41779	0.08744	0.06946	0.0859	61.34869	26.43683	62.74615	7.66859	3.66465	7.84327	4.35E-09	3.18E-06	3.97E-07	1.34E-12	4.05E-12	3.2E-12	2.32E-15	5.61E-14	4.22E-15	6.26274E-14	4.348E-09	3.176E-06	3.97E-07	1.37241E-12	9.38729E-15	6.85014E-13	1.5618E-15
3	570390.6	4177919	0.55, 41779	0.09273	0.07514	0.09126	67.57642	27.23616	68.95787	8.44705	3.80844	8.61973	4.62E-09	3.49E-06	4.36E-07	1.43E-12	4.3E-12	3.4E-12	2.47E-15	5.96E-14	4.49E-15	6.65354E-14	4.62E-09	3.4904E-06	4.36E-07	1.45805E-12	9.97307E-15	7.2776E-13	1.6593E-15
4	570430.6	4177919	0.55, 41779	0.09799	0.08123	0.09661	71.34976	28.07066	72.35504	8.91872	4.01428	9.04438	4.89E-09	3.66E-06	4.58E-07	1.51E-12	4.56E-12	3.6E-12	2.61E-15	6.31E-14	4.75E-15	7.04363E-14	4.891E-09	3.6623E-06	4.58E-07	1.54353E-12	1.05578E-14	7.70427E-13	1.7566E-15
5	570470.6	4177919	0.55, 41779	0.10292	0.08757	0.10182	71.34124	28.88227	71.18869	8.91766	4.18506	8.89859	5.15E-09	3.6E-06	4.5E-07	1.59E-12	4.8E-12	3.79E-12	2.75E-15	6.65E-14	5E-15	7.42351E-14	5.154E-09	3.6033E-06	4.5E-07	1.62678E-12	1.11272E-14	8.11979E-13	1.8513E-15
6	570510.6	4177919	0.55, 41779	0.10719	0.09397	0.10631	70.57748	29.51269	72.86498	8.82218	4.31581	9.10812	5.38E-09	3.69E-06	4.61E-07	1.66E-12	5.01E-12	3.96E-12	2.87E-15	6.94E-14	5.22E-15	7.75092E-14	5.382E-09	3.6881E-06	4.61E-07	1.69853E-12	1.16179E-14	8.4779E-13	1.933E-15
7	570550.6	4177919	0.55, 41779	0.11095	0.10041	0.10942	80.02506	30.00614	83.29269	10.00313	4.88273	10.41159	5.54E-09	4.22E-06	5.27E-07	1.71E-12	5.16E-12	4.08E-12	2.96E-15	7.14E-14	5.38E-15	7.97773E-14	5.539E-09	4.2159E-06	5.27E-07	1.74823E-12	1.19579E-14	8.72599E-13	1.9895E-15
8	570590.6	4177919	0.55, 41779	0.11537	0.10684	0.11183	81.14556	31.22548	84.40479	10.14319	5.49199	10.5506	5.66E-09	4.27E-06	5.34E-07	1.75E-12	5.27E-12	4.17E-12	3.02E-15	7.3E-14	5.5E-15	8.15352E-14	5.661E-09	4.2722E-06	5.34E-07	1.78675E-12	1.22214E-14	8.91826E-13	2.0334E-15
9	570630.6	4177919	0.55, 41779	0.12154	0.11343	0.11602	82.02682	32.76834	84.97635	10.54682	6.07261	10.62204	5.87E-09	4.3E-06	5.38E-07	1.81E-12	5.47E-12	4.32E-12	3.14E-15	7.58E-14	5.7E-15	8.45907E-14	5.873E-09	4.3011E-06	5.38E-07	1.85371E-12	1.26794E-14	9.25247E-13	2.1096E-15
10	570670.6	4177919	0.55, 41779	0.12896	0.11974	0.12346	90.28793	34.09351	94.2666	12.11861	6.60764	13.84836	6.25E-09	4.77E-06	7.01E-07	1.93E-12	5.82E-12	4.6E-12	3.34E-15	8.06E-14	6.07E-15	9.0015E-14	6.25E-09	4.7713E-06	7.01E-07	1.97258E-12	1.34924E-14	9.84578E-13	2.2448E-15
11	570710.6	4177919	0.55, 41779	0.13589	0.12543	0.13131	92.03158	38.34133	98.54944	11.50395	7.03486	13.72911	6.65E-09	4.99E-06	6.95E-07	2.05E-12	6.19E-12	4.89E-12	3.55E-15	8.57E-14	6.45E-15	9.57381E-14	6.647E-09	4.9881E-06	6.95E-07	2.098E-12	1.43503E-14	1.04718E-12	2.3876E-15
12	570750.6	4177919	0.55, 41779	0.14097	0.13029	0.13561	98.93292	42.68075	106.54938	12.36662	7.25038	14.15663	6.86E-09	5.39E-06	7.17E-07	2.12E-12	6.4E-12	5.05E-12	3.67E-15	8.85E-14	6.66E-15	9.88734E-14	6.865E-09	5.3931E-06	7.17E-07	2.1667E-12	1.48202E-14	1.08147E-12	2.4658E-15
13	570790.6	4177919	0.55, 41779	0.1434	0.13429	0.137	101.78306	44.96916	112.12821	12.72288	7.16867	14.01603	6.94E-09	5.68E-06	7.1E-07	2.14E-12	6.46E-12	5.1E-12	3.7E-15	8.95E-14	6.73E-15	9.98873E-14	6.935E-09	5.6755E-06	7.1E-07	2.18892E-12	1.49722E-14	1.09256E-12	2.491E-15
14	570830.6	4177919	0.55, 41779	0.14249	0.1373	0.1371	103.05806	46.92439	113.14313	12.88226	6.63254	14.14289	6.94E-09	5.73E-06	7.16E-07	2.14E-12	6.47E-12	5.11E-12	3.71E-15	8.95E-14	6.74E-15	9.99607E-14	6.94E-09	5.7269E-06	7.16E-07	2.19053E-12	1.49832E-14	1.09336E-12	2.4929E-15
15	570870.6	4177919	0.55, 41779	0.13915	0.13926	0.13269	113.81753	49.41272	127.10432	14.22719	6.17659	15.88804	6.72E-09	6.43E-06	8.04E-07	2.07E-12	6.26E-12	4.94E-12	3.59E-15	8.66E-14	6.52E-15	9.67465E-14	6.717E-09	6.4335E-06	8.04E-07	2.12009E-12	1.45014E-14	1.05821E-12	2.4127E-15
16	570910.6	4177919	0.55, 41779	0.13537	0.14116	0.12571	103.09741	52.00284	118.27061	16.13684	6.50036	14.78383	6.36E-09	5.99E-06	7.48E-07	1.96E-12	5.93E-12	4.68E-12	3.4E-15	8.21E-14	6.18E-15	9.1659E-14	6.364E-09	5.9864E-06	7.48E-07	2.00861E-12	1.37389E-14	1.00256E-12	2.2858E-15
17	570950.6	4177919	0.55, 41779	0.13129	0.14261	0.12523	128.63222	54.75687	154.09416	19.7206	7.6051	23.34348	6.34E-09	7.8E-06	1.18E-06	1.96E-12	5.91E-12	4.67E-12	3.39E-15	8.18E-14	6.16E-15	9.13093E-14	6.34E-09	7.7995E-06	1.18E-06	2.00094E-12	1.36865E-14	9.98735E-13	2.2771E-15
18	570990.6	4177919	0.55, 41779	0.12715	0.1442	0.12572	126.51514	58.01026	163.29109	18.07359	9.36612	23.3273	6.36E-09	8.26E-06	1.18E-06	1.96E-12	5.93E-12	4.68E-12	3.4E-15	8.21E-14	6.18E-15	9.16667E-14	6.365E-09	8.265E-06	1.18E-06	2.00878E-12	1.374E-14	1.00264E-12	2.286E-15
19	571030.6	4177919	0.55, 41779	0.12254	0.14609	0.11762	125.39004	62.99788	174.41478	17.19472	10.49965	21.80185	5.95E-09	8.83E-06	1.1E-06	1.84E-12	5.55E-12	4.38E-12	3.18E-15	7.68E-14	5.78E-15	8.57628E-14	5.955E-09	8.828E-06	1.1E-06	1.8794E-12	1.28551E-14	9.38067E-13	2.1388E-15
20	571070.6	4177919	0.55, 41779	0.1201	0.14847	0.1104	126.80092	67.58831	177.9713	16.22667	10.87469	22.24641	5.59E-09	9.01E-06	1.13E-06	1.72E-12	5.21E-12	4.11E-12	2.98E-15	7.21E-14	5.43E-15	8.05005E-14	5.589E-09	9.0081E-06	1.13E-06	1.76408E-12	1.20663E-14	8.80508E-13	2.0076E-15
21	571110.6	4177919	0.55, 41779	0.1205	0.15044	0.10927	126.62476	68.47754	165.66905	20.2586	9.61445	20.70863	5.53E-09	8.39E-06	1.05E-06	1.71E-12	5.15E-12	4.07E-12	2.95E-15	7.14E-14	5.37E-15	7.96772E-14	5.532E-09	8.3855E-06	1.05E-06	1.74604E-12	1.19429E-14	8.71503E-13	1.987E-15
22	571150.6	4177919	0.55, 41779	0.1212	0.15159	0.11602	131.66409	62.22893	172.39569	21.10658	9.19459	24.99313	5.87E-09	8.73E-06	1.27E-06	1.81E-12	5.47E-12	4.32E-12	3.14E-15	7.58E-14	5.7E-15	8.45975E-14	5.874E-09	8.7258E-06	1.27E-06	1.85386E-12	1.26804E-14	9.25322E-13	2.1097E-15
23	571190.6	4177919	0.55, 41779	0.12215	0.15198	0.11825	137.85581	66.48698	180.99172	19.69369	10.25241	26.94632	5.99E-09	9.16E-06	1.36E-06	1.85E-12	5.58E-12	4.41E-12	3.2E-15	7.72E-14	5.81E-15	8.62231E-14	5.987E-09	9.1609E-06	1.36E-06	1.88948E-12	1.29241E-14	9.43102E-13	2.1503E-15
24	571230.6	4177919	0.55, 41779	0.12354	0.15154	0.11348	148.65332	75.08948	179.38421	21.23619	9.50538	22.42303	5.75E-09	9.08E-06	1.14E-06	1.77E-12	5.35E-12	4.23E-12	3.07E-15	7.41E-14	5.58E-15	8.27461E-14	5.745E-09	9.0797E-06	1.14E-06	1.81329E-12	1.24029E-14	9.05071E-13	2.0636E-15
25	571270.6	4177919	0.55, 41779	0.12544	0.15047	0.11372	135.01221	73.55453	181.97135	18.66937	9.80753	25.99591	5.76E-09	9.21E-06	1.32E-06	1.78E-12	5.36E-12	4.24E-12	3.07E-15	7.43E-14	5.59E-15	8.29209E-14	5.757E-09	9.2106E-06	1.32E-06	1.81712E-12	1.24291E-14	9.06983E-13	2.0679E-15
26	571310.6	4177919	0.55, 41779	0.12844	0.14895	0.1185	144.25948	74.57026	160.72945	18.03243	9.63087	20.79832	6E-09	8.14E-06	1.05E-06	1.85E-12	5.59E-12	4.42E-12	3.2E-15	7.74E-14	5.82E-15	8.64049E-14	5.999E-09	8.1356E-06	1.05E-06	1.89347E-12	1.29513E-14	9.4509E-13	2.1548E-15
27	571350.6	4177919	0.55, 41779	0.13264	0.1484	0.12186	134.13439	65.82548	182.86761	16.7668	8.49886	22.85845	6.17E-09	9.26E-06	1.16E-06	1.9E-12	5.75E-12	4.54E-12	3.29E-15	7.96E-14	5.99E-15	8.8854E-14	6.169E-09	9.2559E-06	1.16E-06	1.94714E-12	1.33184E-14	9.71879E-13	2.2159E-15
28	571390.6	4177919	0.55, 41779	0.13487	0.1464	0.12015	140.45529	51.40311	177.22554	17.55691	7.98518	22.15319	6.08E-09	8.97E-06	1.12E-06	1.88E-12	5.67E-12	4.48E-12	3.25E-15	7.85E-14	5.91E-15	8.76072E-14	6.083E-09	8.9701E-06	1.12E-06	1.91982E-12	1.31315E-14	9.58242E-13	2.1848E-15
29	571430.6	4177919	0.55, 41779	0.14548	0.15293	0.12366	139.19794	49.3636	190.22803	17.39974	7.65374	23.7785	6.26E-09	9.63E-06	1.2E-06	1.93E-12	5.83E-12	4.61E-12	3.34E-15	8.07E-14	6.08E-15	9.01671E-14	6.26E-09	9.6282E-06	1.2E-06	1.97591E-12	1.35152E-14	9.86241E-13	2.2486E-15
30	571470.6	4177919	0.55, 41779	0.15916	0.16179	0.13045	134.87595	45.89373	190.37308	16.85949	6.86379	23.79664	6.6E-09	9.64E-06	1.2E-06	2.04E-12	6.15E-12	4.86E-12	3.53E-15	8.52E-14	6.41E-15	9.51182E-14	6.604E-09	9.6355E-06	1.2E-06	2.08441E-12	1.42574E-14	1.0404E-12	2.3721E-15
31	571510.6	4177919	0.55, 41779	0.17426	0.17151	0.14116	122.2315	42.4201	161.48029	15.27894	5.85942	20.18504	7.15E-09	8.17E-06	1.02E-06	2.21E-12	6.66E-12	5.26E-12	3.82E-15	9.22E-14	6.94E-15	1.02927E-13	7.146E-09	8.1731E-06	1.02E-06	2.25553E-12	1.54278E-14	1.12581E-12	2.5668E-15
32	571550.6	4177919	0.55, 41779	0.18787	0.18026	0.15558	112.99449	35.73716	155.78517	14.12431	5.76206	19.47315	7.88E-09	7.88E-06	9.86E-07	2.43E-12	7.34E-12	5.8E-12	4.21E-15	1.02E-13	7.65E-15	1.1344E-13	7.876E-09	7.8848E-06	9.86E-07	2.4859E-12	1.70036E-14	1.24079E-12	2.829E-15
33	571590.6	4177919	0.55, 41779	0.19949	0.18751	0.17419	94.68734	29.26563	123.69427	11.83592	5.30509	15.46178	8.82E-09	6.26E-06	7.83E-07	2.72E-12	8.22E-12	6.49E-12	4.71E-15	1.14E-13	8.56E-15	1.27006E-13	8.818E-09	6.2606E-06	7.83E-07	2.7832E-12	1.90371E-14	1.38918E-12	3.1673E-15
34	570310.6	4177959	0.55, 41779	0.08597	0.06676	0.0838	56.89619	26.25101	62.23098	7.11202	4.18522	7.77887	4.24E-09	3.15E-06	3.94E-07	1.31E-12	3.95E-12	3.12E-12	2.27E-15	5.47E-14	4.12E-15	6.10962E-14	4.242E-09	3.1499E-06	3.94E-07	1.33886E-12	9.15777E-15	6.68265E-13	1.5236E-15
35	570350.6	4177959	0.55, 41779	0.09204	0.07257	0.08995	58.96006	27.16756	63.77509	7.37001	4.19821	7.97189	4.55E-09	3.23E-06	4.04E-07	1.41E-12	4.24E-12	3.35E-12	2.43E-15	5.87E-14	4.42E-15	6.55801E-14	4.553E-09	3.228E-06	4.04E-07	1.43712E-12	9.82987E-15	7.17311E-13	1.6355E-15
36	570390.6	4177959	0.55, 41779	0.09833	0.07904	0.09639	63.0038	28.02201	66.12463	7.87548	4.15896	8.26558	4.88E-09	3.35E-06	4.18E-07	1.51E-12	4.55E-12	3.59E-12	2.61E-15	6.29E-14	4.74E-15	7.02756E-14	4.879E-09	3.347E-06	4.18E-07	1.54001E-12	1.05337E-14	7.68669E-13	1.7526E-15
37	570430.6	4177959	0.55, 41779	0.10461	0.08611	0.10266	70.72142	28.76698	72.80329	8.84018	4.23038	9.10041	5.2E-09	3.68E-06	4.61E-07	1.6E-12	4.84E-12	3.82E-12	2.77E-15	6.7E-14	5.05E-15	7.48472E-14	5.197E-09	3.685E-06	4.61E-07	1.64019E-12	1.12189E-14	8.18673E-13	1.8666E-15
38	570470.6	4177959	0.55, 41779	0.11098	0.09385	0.10929	78.78718	29.82596	80.74124	9.8484	4.47695	10.09265	5.53E-09	4.09E-06	5.11E-07	1.71E-12	5.15E-12	4.07E-12	2.95E-15	7.14E-14	5.37E-15	7.96814E-14	5.532E-09	4.0868E-06	5.11E-07	1.74613E-12	1.19435E-14	8.71549E-13	1.9871E-15
39	570510.6	4177959	0.55, 41779	0.1169	0.10189	0.11567	83.26174	30.87615	84.48278	10.40772	4.70339	10.56035	5.86E-09	4.28E-06	5.35E-07	1.81E-12	5.46E-12	4.31E-12	3.13E-15	7.55E-14	5.68E-15	8.43334E-14	5.855E-09	4.2761E-06	5.35E-07	1.84807E-12	1.26408E-14	9.22432E-13	2.1031E-15
40	570550.6	4177959	0.55, 41779	0.12213	0.11	0.12099	82.46075	31.83495	82.01237	10.30759	4.9071	10.25155	6.12E-09	4.15E-06	5.19E-07	1.89E-12	5.71E-12	4.51E-12	3.27E-15	7.9E-14	5.95E-15	8.82127E-14	6.125E-09	4.1511E-06	5.19E-07	1.93308E-12	1.32223E-14	9.64864E-13	2.1999E-15
41	570590.6	4177959	0.55, 41779	0.1275	0.1185	0.12492	87.61849	32.53805	91.54904	10.95231	5.6614	11.44363	6.32E-09	4.63E-06	5.79E-07	1.95E-12	5.89E-12	4.65E-12	3.38E-15	8.16E-14	6.14E-15	9.1079E-14	6.324E-09	4.6338E-06	5.79E-07	1.9959E-12	1.36519E-14	9.96215E-13	2.2714E-15
42	570630.6	4177959	0.55, 41779	0.13429	0.12721	0.12893	94.25098	33.95012	99.61773	11.78137	6.34882	12.45222	6.53E-09	5.04E-06	6.3E-07	2.01E-12	6.08E-12	4.8E-12	3.49E-15	8.42E-14	6.34E-15	9.40036E-14	6.527E-09	5.0422E-06	6.3E-07	2.05999E-12	1.40903E-14	1.0282E-12	2.3443E-15
43	570670.6	4177959	0.55, 41779	0.1434	0.13582	0.13624	91.47953	35.4429	96.20253	12.89467	6.97952	13.63762	6.9E-09	4.87E-06	6.9E-07	2.13E-12	6.43E-12	5.08E-12	3.68E-15	8.9E-14	6.7E-15	9.93336E-14	6.897E-09	4.8693E-06	6.9E-07	2.17679E-12	1.48892E-14	1.0865E-12	2.4772E-15
44	570710.6	4177959	0.55, 41779	0.15342	0.14402	0.1467	103.54122	38.62398	108.53691	12.94265	7.57754	15.98544	7.43E-09	5.49E-06	8.09E-07	2.29E-12	6.92E-12	5.47E-12	3.97E-15	9.58E-14	7.21E-15	1.0696E-13	7.426E-09	5.4936E-06	8.09E-07	2.3439E-12	1.60323E-14	1.16992E-12	2.6674E-15
45	570750.6	4177959	0.55, 41779	0.16261	0.1515	0.15549	105.52732	44.38977	114.23814	13.19092	8.09206	15.7724	7.87E-09	5.78E-06	7.98E-07	2.43E-12	7.33E-12	5.79E-12	4.2E-15	1.02E-13	7.64E-15	1.13368E-13	7.871E-09	5.7822E-06	7.98E-07	2.48434E-12	1.69929E-14	1.24001E-12	2.8272E-15
46	570790.6	4177959	0.55, 41779	0.16989	0.15823	0.16076	113.60479	47.24143	124.57926	14.2006	8.3928	15.57241	8.14E-09	6.31E-06	7.88E-07	2.51E-12	7.58E-12	5.99E-12	4.35E-15	1.05E-13	7.9E-15	1.17211E-13	8.138E-09	6.3056E-06	7.88E-07	2.56855E-12	1.75689E-14	1.28205E-12	2.9231E-15
47	570830.6	4177959	0.55, 41779	0.1738	0.16401	0.16481	115.20896	49.45722	130.36471	14.40112	8.28774	16.29559	8.34E-09	6.6E-06	8.25E-07	2.57E-12	7.77E-12	6.14E-12	4.45E-15	1.08E-13	8.1E-15	1.20164E-13	8.343E-09	6.5985E-06	8.25E-07	2.63327E-12	1.80115E-14	1.31435E-12	2.9967E-15
48	570870.6	4177959	0.55, 41779	0.17339	0.16851	0.16469	122.33209	52.01335	138.82114	15.29151	7.46689	17.35264	8.34E-09	7.03E-06	8.78E-07	2.57E-12	7.77E-12	6.14E-12	4.45E-15	1.08E-13	8.09E-15	1.20078E-13	8.337E-09	7.0265E-06	8.78E-07	2.63137E-12	1.79986E-14	1.3134E-12	2.9946E-15
49	570910.6	4177959	0.55, 41779	0.16973	0.17204	0.1579	128.70888	55.67631	149.19916	16.08861	6.95954	18.64989	7.99E-09	7.55E-06	9.44E-07	2.47E-12	7.45E-12	5.88E-12	4.27E-15	1.03E-13	7.76E-15	1.15129E-13	7.994E-09	7.5518E-06	9.44E-07	2.52292E-12	1.72568E-14	1.25927E-12	2.8711E-15
50	570950.6	4177959	0.55, 41779	0.16375	0.1746	0.15354	137.78687	58.35606	146.62449	21.41966	8.40086	22.62642	7.77E-09	7.42E-06	1.15E-06	2.4E-12	7.24E-12	5.72E-12	4.15E-15	1E-13	7.55E-15	1.11951E-13	7.773E-09	7.4215E-06	1.15E-06	2.45329E-12	1.67805E-14	1.22451E-12	2.7919E-15
51	570990.6	4177959	0.55, 41779	0.1571	0.17611	0.15296	148.41379	62.43724	189.01685	21.20197	10.20575	28.13097	7.74E-09	9.57E-06	1.42E-06	2.39E-12	7.21E-12	5.7E-12	4.13E-15	9.99E-14	7.52E-15	1.11528E-13	7.744E-09	9.567E-06	1.42E-06	2.44402E-12	1.67171E-14	1.21989E-12	2.7814E-15
52	571030.6	4177959	0.55, 41779	0.15135	0.1787	0.14372	141.29712	68.4386	198.29024	19.05284	11.40643	25.9054	7.28E-09	1E-05	1.31E-06	2.25E-12	6.78E-12	5.36E-12	3.89E-15	9.38E-14	7.06E-15	1.04794E-13	7.276E-09	1.0036E-05	1.31E-06	2.29644E-12	1.57076E-14	1.14623E-12	2.6134E-15
53	571070.6	4177959	0.55, 41779	0.14838	0.1815	0.13361	143.49488	74.36914	202.29359	18.79197	11.80682	25.2867	6.76E-09	1.02E-05	1.28E-06	2.09E-12	6.3E-12	4.98E-12	3.61E-15	8.72E-14	6.57E-15	9.74249E-14	6.764E-09	1.0239E-05	1.28E-06	2.13496E-12	1.46031E-14	1.06563E-12	2.4296E-15
54	571110.6	4177959	0.55, 41779	0.14858	0.18375	0.13332	140.62761	73.34522	192.64407	22.74237	10.22286	24.08051	6.75E-09	9.75E-06	1.22E-06	2.08E-12	6.29E-12	4.97E-12	3.6E-15	8.71E-14	6.55E-15	9.72139E-14	6.75E-09	9.7507E-06	1.22E-06	2.13034E-12	1.45715E-14	1.06332E-12	2.4244E-15
55	571150.6	4177959	0.55, 41779	0.14994	0.18566	0.14292	146.3467	67.83983	199.40983	22.92053	11.48399	30.37919	7.24E-09	1.01E-05	1.54E-06	2.23E-12	6.74E-12	5.33E-12	3.86E-15	9.33E-14	7.02E-15	1.04212E-13	7.236E-09	1.0093E-05	1.54E-06	2.28369E-12	1.56204E-14	1.13986E-12	2.5989E-15
56	571190.6	4177959	0.55, 41779	0.1525	0.18616	0.14359	161.89014	78.97315	204.49698	23.12716	11.84075	29.21385	7.27E-09	1.04E-05	1.48E-06	2.24E-12	6.77E-12	5.35E-12	3.88E-15	9.38E-14	7.06E-15	1.047E-13	7.27E-09	1.0351E-05	1.48E-06	2.29439E-12	1.56936E-14	1.1452E-12	2.6111E-15
57	571230.6	4177959	0.55, 41779	0.15542	0.18516	0.1383	156.07845	81.92899	197.17574	22.29692	11.22006	24.64697	7E-09	9.98E-06	1.25E-06	2.16E-12	6.52E-12	5.15E-12	3.74E-15	9.03E-14	6.8E-15	1.00844E-13	7.002E-09	9.9802E-06	1.25E-06	2.20989E-12	1.51157E-14	1.10303E-12	2.5149E-15
58	571270.6	4177959	0.55, 41779	0.15909	0.18379	0.14205	158.42767	82.70179	205.30007	19.80346	11.54254	29.32858	7.19E-09	1.04E-05	1.48E-06	2.22E-12	6.7E-12	5.29E-12	3.84E-15	9.28E-14	6.98E-15	1.03578E-13	7.192E-09	1.0391E-05	1.48E-06	2.26979E-12	1.55253E-14	1.13292E-12	2.5831E-15
59	571310.6	4177959	0.55, 41779	0.1655	0.18382	0.1484	150.26158	75.50789	204.0765	18.7827	10.48328	25.50956	7.51E-09	1.03E-05	1.29E-06	2.32E-12	7E-12	5.53E-12	4.01E-15	9.69E-14	7.29E-15	1.08206E-13	7.513E-09	1.0329E-05	1.29E-06	2.37122E-12	1.62191E-14	1.18355E-12	2.6985E-15
60	571350.6	4177959	0.55, 41779	0.17654	0.1881	0.15257	154.82597	60.83045	189.56737	19.35325	9.71095	23.69592	7.72E-09	9.59E-06	1.2E-06	2.38E-12	7.2E-12	5.68E-12	4.12E-15	9.96E-14	7.5E-15	1.11247E-13	7.724E-09	9.5949E-06	1.2E-06	2.43785E-12	1.66749E-14	1.21681E-12	2.7743E-15
61	571390.6	4177959	0.55, 41779	0.18842	0.1934	0.15428	152.92189	54.55359	214.59873	19.11524	9.16318	26.82484	7.81E-09	1.09E-05	1.36E-06	2.41E-12	7.28E-12	5.75E-12	4.17E-15	1.01E-13	7.58E-15	1.12494E-13	7.811E-09	1.0862E-05	1.36E-06	2.46519E-12	1.68619E-14	1.23046E-12	2.8054E-15
62	571430.6	4177959	0.55, 41779	0.20645	0.20414	0.16292	148.33328	50.38722	217.66749	18.54166	8.09078	27.20844	8.25E-09	1.1E-05	1.38E-06	2.55E-12	7.69E-12	6.07E-12	4.4E-15	1.06E-13	8.01E-15	1.18794E-13	8.248E-09	1.1017E-05	1.38E-06	2.60325E-12	1.78062E-14	1.29936E-12	2.9626E-15
63	571470.6	4177959	0.55, 41779	0.22554	0.21577	0.17809	134.13897	46.24246	185.84967	16.76737	6.92684	23.23121	9.02E-09	9.41E-06	1.18E-06	2.78E-12	8.4E-12	6.64E-12	4.81E-15	1.16E-13	8.75E-15	1.29854E-13	9.016E-09	9.4065E-06	1.18E-06	2.84562E-12	1.9464E-14	1.42034E-12	3.2384E-15
64	571510.6	4177959	0.55, 41779	0.24332	0.22654	0.20114	122.33786	38.55117	174.21255	15.29223	6.75463	21.77657	1.02E-08	8.82E-06	1.1E-06	3.14E-12	9.49E-12	7.49E-12	5.44E-15	1.31E-13	9.89E-15	1.46658E-13	1.018E-08	8.8175E-06	1.1E-06	3.21385E-12	2.19827E-14	1.60414E-12	3.6574E-15
65	571550.6	4177959	0.55, 41779	0.25539	0.23344	0.22684	100.38932	31.1899	131.18831	12.54867	6.13877	16.39854	1.15E-08	6.64E-06	8.3E-07	3.54E-12	1.07E-11	8.45E-12	6.13E-15	1.48E-13	1.11E-14	1.65392E-13	1.148E-08	6.6399E-06	8.3E-07	3.62439E-12	2.47909E-14	1.80905E-12	4.1246E-15
66	571590.6	4177959	0.55, 41779	0.26174	0.2364	0.25018	103.20811	24.1035	113.64553	12.90101	5.55119	14.20569	1.27E-08	5.75E-06	7.19E-07	3.91E-12	1.18E-11	9.32E-12	6.76E-15	1.63E-13	1.23E-14	1.82406E-13	1.266E-08	5.752E-06	7.19E-07	3.99722E-12	2.7341E-14	1.99514E-12	4.5489E-15
67	570310.6	4177999	0.55, 41779	0.08992	0.06909	0.08739	61.55411	26.71644	63.33313	7.69426	4.42886	7.91664	4.42E-09	3.21E-06	4.01E-07	1.37E-12	4.12E-12	3.26E-12	2.36E-15	5.71E-14	4.29E-15	6.37134E-14	4.424E-09	3.2057E-06	4.01E-07	1.39621E-12	9.55008E-15	6.96893E-13	1.5889E-15
68	570350.6	4177999	0.55, 41779	0.09687	0.07551	0.09431	63.16088	27.72336	68.96816	7.89511	4.52605	8.62102	4.77E-09	3.49E-06	4.36E-07	1.47E-12	4.45E-12	3.51E-12	2.55E-15	6.16E-14	4.63E-15	6.87588E-14	4.774E-09	3.4909E-06	4.36E-07	1.50677E-12	1.03063E-14	7.52078E-13	1.7147E-15
69	570390.6	4177999	0.55, 41779	0.10411	0.08268	0.10154	65.18315	28.66629	70.59128	8.14789	4.5901	8.82391	5.14E-09	3.57E-06	4.47E-07	1.59E-12	4.79E-12	3.78E-12	2.74E-15	6.63E-14	4.99E-15	7.40302E-14	5.14E-09	3.573E-06	4.47E-07	1.62229E-12	1.10965E-14	8.09737E-13	1.8462E-15
70	570430.6	4177999	0.55, 41779	0.11178	0.0909	0.10932	69.77828	29.77159	73.90272	8.72229	4.64595	9.23784	5.53E-09	3.74E-06	4.68E-07	1.71E-12	5.16E-12	4.07E-12	2.95E-15	7.14E-14	5.37E-15	7.97027E-14	5.534E-09	3.7407E-06	4.68E-07	1.7466E-12	1.19467E-14	8.71783E-13	1.9877E-15
71	570470.6	4177999	0.55, 41779	0.11947	0.09994	0.11702	73.23749	30.82615	79.61188	9.15469	4.70414	9.95148	5.92E-09	4.03E-06	5.04E-07	1.83E-12	5.52E-12	4.36E-12	3.16E-15	7.64E-14	5.75E-15	8.53171E-14	5.924E-09	4.0296E-06	5.04E-07	1.86963E-12	1.27883E-14	9.33192E-13	2.1277E-15
72	570510.6	4177999	0.55, 41779	0.12689	0.1096	0.1248	83.36058	31.87471	86.19643	10.42007	5.00665	10.77455	6.32E-09	4.36E-06	5.45E-07	1.95E-12	5.89E-12	4.65E-12	3.37E-15	8.15E-14	6.13E-15	9.09899E-14	6.318E-09	4.3629E-06	5.45E-07	1.99394E-12	1.36386E-14	9.95241E-13	2.2691E-15
73	570550.6	4177999	0.55, 41779	0.1338	0.11968	0.13227	93.92369	33.13511	96.59692	11.74046	5.30601	12.07462	6.7E-09	4.89E-06	6.11E-07	2.07E-12	6.24E-12	4.93E-12	3.58E-15	8.64E-14	6.5E-15	9.64368E-14	6.696E-09	4.8893E-06	6.11E-07	2.11331E-12	1.4455E-14	1.05482E-12	2.405E-15
74	570590.6	4177999	0.55, 41779	0.14077	0.13095	0.13895	98.98148	34.43475	100.81152	12.37268	5.77536	12.60144	7.03E-09	5.1E-06	6.38E-07	2.17E-12	6.55E-12	5.18E-12	3.76E-15	9.07E-14	6.83E-15	1.01308E-13	7.034E-09	5.1026E-06	6.38E-07	2.22005E-12	1.51852E-14	1.1081E-12	2.5265E-15
75	570630.6	4177999	0.55, 41779	0.14863	0.14246	0.14416	96.29887	35.58815	97.29546	12.03736	6.62596	12.16193	7.3E-09	4.92E-06	6.16E-07	2.25E-12	6.8E-12	5.37E-12	3.9E-15	9.41E-14	7.09E-15	1.05108E-13	7.298E-09	4.9247E-06	6.16E-07	2.30332E-12	1.57547E-14	1.14966E-12	2.6212E-15
76	570670.6	4177999	0.55, 41779	0.15906	0.15417	0.15133	108.0953	37.02771	115.61321	13.51191	7.37805	14.45165	7.66E-09	5.85E-06	7.32E-07	2.36E-12	7.14E-12	5.64E-12	4.09E-15	9.88E-14	7.44E-15	1.10336E-13	7.661E-09	5.8517E-06	7.32E-07	2.4179E-12	1.65385E-14	1.20685E-12	2.7516E-15
77	570710.6	4177999	0.55, 41779	0.17207	0.16581	0.16328	109.21603	39.28347	116.55796	14.39109	8.06843	17.60456	8.27E-09	5.9E-06	8.91E-07	2.55E-12	7.7E-12	6.08E-12	4.41E-15	1.07E-13	8.02E-15	1.19049E-13	8.266E-09	5.8996E-06	8.91E-07	2.60883E-12	1.78444E-14	1.30215E-12	2.9689E-15
78	570750.6	4177999	0.55, 41779	0.18601	0.17706	0.17647	119.66853	46.10023	126.10142	14.95857	8.7788	16.77146	8.93E-09	6.38E-06	8.49E-07	2.76E-12	8.32E-12	6.57E-12	4.77E-15	1.15E-13	8.67E-15	1.28666E-13	8.934E-09	6.3827E-06	8.49E-07	2.81957E-12	1.92859E-14	1.40734E-12	3.2087E-15
79	570790.6	4177999	0.55, 41779	0.19953	0.18772	0.18696	122.67556	49.8289	134.57394	15.33445	9.45426	16.82174	9.46E-09	6.81E-06	8.52E-07	2.92E-12	8.82E-12	6.97E-12	5.05E-15	1.22E-13	9.19E-15	1.36314E-13	9.465E-09	6.8115E-06	8.52E-07	2.98718E-12	2.04323E-14	1.491E-12	3.3995E-15
80	570830.6	4177999	0.55, 41779	0.21109	0.19773	0.1968	133.54261	52.4094	148.58094	16.69283	9.90962	18.57262	9.96E-09	7.52E-06	9.4E-07	3.07E-12	9.28E-12	7.33E-12	5.32E-15	1.28E-13	9.67E-15	1.43489E-13	9.963E-09	7.5205E-06	9.4E-07	3.1444E-12	2.15077E-14	1.56947E-12	3.5784E-15
81	570870.6	4177999	0.55, 41779	0.21804	0.20674	0.20398	131.45449	55.15858	156.57352	16.43181	9.77159	19.57169	1.03E-08	7.92E-06	9.91E-07	3.19E-12	9.62E-12	7.6E-12	5.51E-15	1.33E-13	1E-14	1.48724E-13	1.033E-08	7.925E-06	9.91E-07	3.25912E-12	2.22924E-14	1.62673E-12	3.709E-15
82	570910.6	4177999	0.55, 41779	0.21803	0.21414	0.20286	148.11273	59.13207	173.84644	18.51409	8.43226	21.73081	1.03E-08	8.8E-06	1.1E-06	3.17E-12	9.57E-12	7.56E-12	5.48E-15	1.32E-13	9.97E-15	1.47909E-13	1.027E-08	8.7992E-06	1.1E-06	3.24126E-12	2.21702E-14	1.61782E-12	3.6886E-15
83	570950.6	4177999	0.55, 41779	0.2114	0.21889	0.19586	140.12444	63.58464	170.21851	21.83562	9.32684	21.27731	9.92E-09	8.62E-06	1.08E-06	3.06E-12	9.24E-12	7.3E-12	5.29E-15	1.28E-13	9.63E-15	1.42807E-13	9.915E-09	8.6157E-06	1.08E-06	3.12947E-12	2.14056E-14	1.56202E-12	3.5614E-15
84	570990.6	4177999	0.55, 41779	0.2013	0.22185	0.19061	171.25011	67.61488	221.4052	25.43318	11.18299	33.45295	9.65E-09	1.12E-05	1.69E-06	2.98E-12	8.99E-12	7.1E-12	5.15E-15	1.24E-13	9.37E-15	1.38981E-13	9.65E-09	1.1206E-05	1.69E-06	3.04561E-12	2.0832E-14	1.52016E-12	3.466E-15
85	571030.6	4177999	0.55, 41779	0.19301	0.22456	0.1804	161.4506	75.02365	233.40135	21.94671	12.50394	33.34305	9.13E-09	1.18E-05	1.69E-06	2.82E-12	8.51E-12	6.72E-12	4.88E-15	1.18E-13	8.87E-15	1.31539E-13	9.133E-09	1.1813E-05	1.69E-06	2.88254E-12	1.97165E-14	1.43877E-12	3.2804E-15
86	571070.6	4177999	0.55, 41779	0.18927	0.22808	0.16676	165.36156	82.48884	231.46597	21.97245	12.95225	28.93325	8.44E-09	1.17E-05	1.46E-06	2.61E-12	7.87E-12	6.21E-12	4.51E-15	1.09E-13	8.2E-15	1.21597E-13	8.443E-09	1.1716E-05	1.46E-06	2.66467E-12	1.82264E-14	1.33002E-12	3.0325E-15
87	571110.6	4177999	0.55, 41779	0.18141	0.21619	0.16049	158.60632	80.72549	237.56536	25.62624	11.81551	29.69982	8.13E-09	1.2E-05	1.5E-06	2.51E-12	7.57E-12	5.98E-12	4.34E-15	1.05E-13	7.89E-15	1.17025E-13	8.125E-09	1.2024E-05	1.5E-06	2.56447E-12	1.7541E-14	1.28001E-12	2.9184E-15
88	571150.6	4177999	0.55, 41779	0.19202	0.23351	0.18032	164.05988	80.42402	231.86209	24.96785	14.13496	37.65816	9.13E-09	1.17E-05	1.91E-06	2.82E-12	8.51E-12	6.72E-12	4.87E-15	1.18E-13	8.86E-15	1.31482E-13	9.129E-09	1.1736E-05	1.91E-06	2.88129E-12	1.9708E-14	1.43815E-12	3.279E-15
89	571190.6	4177999	0.55, 41779	0.1978	0.23414	0.17819	182.21875	91.74664	241.78028	26.03125	13.21695	31.92825	9.02E-09	1.22E-05	1.62E-06	2.78E-12	8.41E-12	6.64E-12	4.82E-15	1.16E-13	8.76E-15	1.2993E-13	9.021E-09	1.2238E-05	1.62E-06	2.84727E-12	1.94754E-14	1.42117E-12	3.2403E-15
90	571230.6	4177999	0.55, 41779	0.20367	0.23289	0.17473	172.67663	91.69738	231.55794	22.62496	13.85272	33.07971	8.85E-09	1.17E-05	1.67E-06	2.73E-12	8.24E-12	6.51E-12	4.72E-15	1.14E-13	8.59E-15	1.27408E-13	8.846E-09	1.172E-05	1.67E-06	2.79201E-12	1.90973E-14	1.39358E-12	3.1774E-15
91	571270.6	4177999	0.55, 41779	0.21358	0.23476	0.18394	171.66845	86.35935	210.57834	21.45856	13.01074	28.58393	9.31E-09	1.07E-05	1.45E-06	2.87E-12	8.68E-12	6.85E-12	4.97E-15	1.2E-13	9.04E-15	1.34122E-13	9.312E-09	1.0659E-05	1.45E-06	2.93913E-12	2.01036E-14	1.46701E-12	3.3448E-15
92	571310.6	4177999	0.55, 41779	0.23025	0.24083	0.19159	171.26207	72.34733	231.62674	21.40776	11.81711	28.95334	9.7E-09	1.17E-05	1.47E-06	2.99E-12	9.04E-12	7.14E-12	5.18E-15	1.25E-13	9.42E-15	1.39699E-13	9.7E-09	1.1724E-05	1.47E-06	3.06136E-12	2.09397E-14	1.52802E-12	3.4839E-15
93	571350.6	4177999	0.55, 41779	0.25373	0.25254	0.198	169.27826	60.68614	249.61103	21.15978	11.13084	31.20138	1E-08	1.26E-05	1.58E-06	3.09E-12	9.34E-12	7.38E-12	5.35E-15	1.29E-13	9.73E-15	1.44374E-13	1.002E-08	1.2634E-05	1.58E-06	3.1638E-12	2.16404E-14	1.57915E-12	3.6005E-15
94	571390.6	4177999	0.55, 41779	0.27999	0.26698	0.21185	164.13881	55.69534	253.30621	20.51735	9.69774	31.66328	1.07E-08	1.28E-05	1.6E-06	3.31E-12	9.99E-12	7.89E-12	5.73E-15	1.38E-13	1.04E-14	1.54473E-13	1.073E-08	1.2821E-05	1.6E-06	3.3851E-12	2.31541E-14	1.68961E-12	3.8523E-15
95	571430.6	4177999	0.55, 41779	0.30187	0.27888	0.2328	148.06777	50.74185	217.39094	18.50847	8.30154	27.17387	1.18E-08	1.1E-05	1.38E-06	3.64E-12	1.1E-11	8.67E-12	6.29E-15	1.52E-13	1.14E-14	1.69746E-13	1.179E-08	1.1003E-05	1.38E-06	3.71979E-12	2.54434E-14	1.85667E-12	4.2332E-15
96	571470.6	4177999	0.55, 41779	0.32222	0.29016	0.268	133.22849	41.8567	195.88733	16.65356	8.00082	24.48592	1.36E-08	9.91E-06	1.24E-06	4.19E-12	1.26E-11	9.99E-12	7.24E-15	1.75E-13	1.32E-14	1.95406E-13	1.357E-08	9.9145E-06	1.24E-06	4.2821E-12	2.92896E-14	2.13733E-12	4.8731E-15
97	571510.6	4177999	0.55, 41779	0.33311	0.29527	0.30394	113.25391	33.39085	138.27651	14.15674	7.16119	17.28456	1.54E-08	7E-06	8.75E-07	4.75E-12	1.43E-11	1.13E-11	8.22E-15	1.98E-13	1.49E-14	2.21604E-13	1.539E-08	6.9987E-06	8.75E-07	4.85621E-12	3.32164E-14	2.42389E-12	5.5265E-15
98	571550.6	4177999	0.55, 41779	0.33431	0.29408	0.33024	118.79132	25.19774	142.42424	14.84891	6.75336	17.80303	1.67E-08	7.21E-06	9.01E-07	5.16E-12	1.56E-11	1.23E-11	8.93E-15	2.16E-13	1.62E-14	2.40774E-13	1.672E-08	7.2085E-06	9.01E-07	5.2763E-12	3.60899E-14	2.63357E-12	6.0045E-15
99	571590.6	4177999	0.55, 41779	0.32897	0.28857	0.34209	117.12124	19.87515	150.29933	14.64016	6.7762	18.78742	1.73E-08	7.61E-06	9.51E-07	5.34E-12	1.61E-11	1.27E-11	9.25E-15	2.23E-13	1.68E-14	2.4941E-13	1.732E-08	7.607E-06	9.51E-07	5.46555E-12	3.73844E-14	2.72803E-12	6.2199E-15
100	570310.6	4178039	0.55, 41780	0.09395	0.07118	0.09114	60.38117	27.45867	68.75884	7.54765	4.57644	8.59485	4.61E-09	3.48E-06	4.35E-07	1.42E-12	4.3E-12	3.4E-12	2.46E-15	5.95E-14	4.48E-15	6.64473E-14	4.614E-09	3.4803E-06	4.35E-07	1.45612E-12	9.95986E-15	7.26796E-13	1.6571E-15
101	570350.6	4178039	0.55, 41780	0.10181	0.07823	0.09867	67.40685	28.30867	69.9761	8.42586	4.71811	8.74701	4.99E-09	3.54E-06	4.43E-07	1.54E-12	4.65E-12	3.68E-12	2.67E-15	6.44E-14	4.85E-15	7.19374E-14	4.995E-09	3.5419E-06	4.43E-07	1.57643E-12	1.07828E-14	7.86846E-13	1.794E-15
102	570390.6	4178039	0.55, 41780	0.11033	0.08626	0.10708	70.86935	29.39362	77.00767	8.85867	4.86131	9.62596	5.42E-09	3.9E-06	4.87E-07	1.67E-12	5.05E-12	3.99E-12	2.89E-15	6.99E-14	5.26E-15	7.80691E-14	5.421E-09	3.8978E-06	4.87E-07	1.7108E-12	1.17019E-14	8.53914E-13	1.9469E-15
103	570430.6	4178039	0.55, 41780	0.11935	0.09539	0.11615	72.77771	30.53752	78.92837	9.09721	4.99157	9.86605	5.88E-09	4E-06	4.99E-07	1.81E-12	5.48E-12	4.33E-12	3.14E-15	7.58E-14	5.71E-15	8.46821E-14	5.88E-09	3.995E-06	4.99E-07	1.85572E-12	1.26931E-14	9.26247E-13	2.1118E-15
104	570470.6	4178039	0.55, 41780	0.12876	0.10583	0.1256	77.88414	31.78332	83.40463	9.73552	5.12346	10.42558	6.36E-09	4.22E-06	5.28E-07	1.96E-12	5.92E-12	4.68E-12	3.39E-15	8.2E-14	6.17E-15	9.15724E-14	6.358E-09	4.2216E-06	5.28E-07	2.00671E-12	1.37259E-14	1.00161E-12	2.2837E-15
105	570510.6	4178039	0.55, 41780	0.13797	0.11733	0.13491	81.61557	33.05226	90.60057	10.20195	5.27698	11.32507	6.83E-09	4.59E-06	5.73E-07	2.11E-12	6.36E-12	5.03E-12	3.65E-15	8.81E-14	6.63E-15	9.83607E-14	6.829E-09	4.5858E-06	5.73E-07	2.15547E-12	1.47434E-14	1.07586E-12	2.453E-15
106	570550.6	4178039	0.55, 41780	0.14677	0.12979	0.14418	83.22783	34.40977	92.92473	10.40348	5.64664	11.61559	7.3E-09	4.7E-06	5.88E-07	2.25E-12	6.8E-12	5.37E-12	3.9E-15	9.41E-14	7.09E-15	1.0512E-13	7.299E-09	4.7034E-06	5.88E-07	2.30359E-12	1.57566E-14	1.1498E-12	2.6215E-15
107	570590.6	4178039	0.55, 41780	0.15543	0.14397	0.15331	100.7883	35.81672	104.85134	12.59854	6.05306	13.10642	7.76E-09	5.31E-06	6.63E-07	2.39E-12	7.23E-12	5.71E-12	4.14E-15	1E-13	7.53E-15	1.11778E-13	7.761E-09	5.3071E-06	6.63E-07	2.44949E-12	1.67545E-14	1.22262E-12	2.7876E-15
108	570630.6	4178039	0.55, 41780	0.16446	0.15887	0.16086	114.63184	37.47906	118.86748	14.32898	6.85921	14.85844	8.14E-09	6.02E-06	7.52E-07	2.51E-12	7.59E-12	5.99E-12	4.35E-15	1.05E-13	7.91E-15	1.17284E-13	8.143E-09	6.0165E-06	7.52E-07	2.57015E-12	1.75798E-14	1.28284E-12	2.9249E-15
109	570670.6	4178039	0.55, 41780	0.17604	0.17458	0.16859	120.19022	39.09251	122.97073	15.02378	7.81169	15.37127	8.53E-09	6.22E-06	7.78E-07	2.63E-12	7.95E-12	6.28E-12	4.56E-15	1.1E-13	8.29E-15	1.22921E-13	8.535E-09	6.2241E-06	7.78E-07	2.69369E-12	1.84248E-14	1.34451E-12	3.0655E-15
110	570710.6	4178039	0.55, 41780	0.19156	0.191	0.18153	122.05191	40.81454	130.55962	15.86896	8.63568	17.88475	9.19E-09	6.61E-06	9.05E-07	2.84E-12	8.56E-12	6.76E-12	4.91E-15	1.19E-13	8.92E-15	1.32357E-13	9.19E-09	6.6082E-06	9.05E-07	2.90045E-12	1.98391E-14	1.44771E-12	3.3008E-15
111	570750.6	4178039	0.55, 41780	0.2105	0.20761	0.19902	132.53323	47.68084	144.79481	16.56665	9.43658	19.64627	1.01E-08	7.33E-06	9.95E-07	3.11E-12	9.39E-12	7.42E-12	5.38E-15	1.3E-13	9.78E-15	1.45109E-13	1.008E-08	7.3288E-06	9.95E-07	3.1799E-12	2.17505E-14	1.58719E-12	3.6188E-15
112	570790.6	4178039	0.55, 41780	0.23169	0.22417	0.21523	139.552	52.7884	147.64201	17.444	10.33029	19.40572	1.09E-08	7.47E-06	9.82E-07	3.36E-12	1.02E-11	8.02E-12	5.82E-15	1.41E-13	1.06E-14	1.56928E-13	1.09E-08	7.4729E-06	9.82E-07	3.4389E-12	2.35221E-14	1.71646E-12	3.9135E-15
113	570830.6	4178039	0.55, 41780	0.25382	0.24067	0.23208	145.24751	55.81087	161.73262	18.15594	11.28689	20.21658	1.17E-08	8.19E-06	1.02E-06	3.63E-12	1.09E-11	8.65E-12	6.27E-15	1.52E-13	1.14E-14	1.69213E-13	1.175E-08	8.1861E-06	1.02E-06	3.70812E-12	2.53635E-14	1.85084E-12	4.2199E-15
114	570870.6	4178039	0.55, 41780	0.27385	0.25672	0.25028	159.27674	59.06353	181.66903	19.90959	12.04587	22.70863	1.27E-08	9.2E-06	1.15E-06	3.91E-12	1.18E-11	9.32E-12	6.77E-15	1.63E-13	1.23E-14	1.82483E-13	1.267E-08	9.1951E-06	1.15E-06	3.99891E-12	2.73525E-14	1.99598E-12	4.5508E-15
115	570910.6	4178039	0.55, 41780	0.28498	0.272	0.26185	154.31681	63.03506	190.144	19.2896	11.80173	23.768	1.33E-08	9.62E-06	1.2E-06	4.09E-12	1.24E-11	9.76E-12	7.08E-15	1.71E-13	1.29E-14	1.90919E-13	1.326E-08	9.6241E-06	1.2E-06	4.18378E-12	2.86171E-14	2.08826E-12	4.7612E-15
116	570950.6	4178039	0.55, 41780	0.28313	0.28254	0.2606	178.15221	69.82475	214.80591	22.26903	10.41815	26.85074	1.32E-08	1.09E-05	1.36E-06	4.07E-12	1.23E-11	9.71E-12	7.04E-15	1.7E-13	1.28E-14	1.9001E-13	1.319E-08	1.0872E-05	1.36E-06	4.16385E-12	2.84808E-14	2.07831E-12	4.7386E-15
117	570990.6	4178039	0.55, 41780	0.27042	0.28832	0.24711	188.87787	74.10995	223.28286	29.14051	12.35166	34.29706	1.25E-08	1.13E-05	1.74E-06	3.86E-12	1.17E-11	9.21E-12	6.68E-15	1.61E-13	1.21E-14	1.80178E-13	1.251E-08	1.1301E-05	1.74E-06	3.94839E-12	2.7007E-14	1.97077E-12	4.4934E-15
118	571030.6	4178039	0.55, 41780	0.25749	0.29249	0.23391	188.96663	83.29257	277.8919	26.99523	13.88209	39.69884	1.18E-08	1.41E-05	2.01E-06	3.65E-12	1.1E-11	8.72E-12	6.32E-15	1.53E-13	1.15E-14	1.70556E-13	1.184E-08	1.4065E-05	2.01E-06	3.73756E-12	2.55649E-14	1.86553E-12	4.2534E-15
119	571070.6	4178039	0.55, 41780	0.25163	0.29646	0.21613	192.59035	92.57991	271.23553	26.01862	14.40126	34.27332	1.09E-08	1.37E-05	1.73E-06	3.38E-12	1.02E-11	8.05E-12	5.84E-15	1.41E-13	1.06E-14	1.57597E-13	1.094E-08	1.3729E-05	1.73E-06	3.45357E-12	2.36224E-14	1.72379E-12	3.9302E-15
120	571110.6	4178039	0.55, 41780	0.23996	0.28057	0.20816	179.79911	89.13384	295.00102	29.33997	15.522	36.88643	1.05E-08	1.49E-05	1.87E-06	3.25E-12	9.82E-12	7.76E-12	5.63E-15	1.36E-13	1.02E-14	1.51785E-13	1.054E-08	1.4931E-05	1.87E-06	3.32619E-12	2.27512E-14	1.66021E-12	3.7853E-15
121	571150.6	4178039	0.55, 41780	0.25767	0.30302	0.23363	202.30498	100.11261	284.90591	28.90071	16.95197	47.48432	1.18E-08	1.44E-05	2.4E-06	3.65E-12	1.1E-11	8.71E-12	6.32E-15	1.53E-13	1.15E-14	1.70354E-13	1.183E-08	1.442E-05	2.4E-06	3.73313E-12	2.55346E-14	1.86332E-12	4.2484E-15
122	571190.6	4178039	0.55, 41780	0.27122	0.30641	0.22867	194.68377	101.89225	297.80862	27.81197	16.7188	37.22608	1.16E-08	1.51E-05	1.88E-06	3.57E-12	1.08E-11	8.52E-12	6.18E-15	1.49E-13	1.12E-14	1.6674E-13	1.158E-08	1.5073E-05	1.88E-06	3.65392E-12	2.49928E-14	1.82379E-12	4.1582E-15
123	571230.6	4178039	0.55, 41780	0.28804	0.31092	0.2326	196.84209	99.06119	294.63263	24.60526	16.26482	42.09038	1.18E-08	1.49E-05	2.13E-06	3.63E-12	1.1E-11	8.67E-12	6.29E-15	1.52E-13	1.14E-14	1.69606E-13	1.178E-08	1.4913E-05	2.13E-06	3.71672E-12	2.54224E-14	1.85513E-12	4.2297E-15
124	571270.6	4178039	0.55, 41780	0.31661	0.32283	0.24843	191.8709	85.51951	280.99547	23.98386	14.63938	35.12443	1.26E-08	1.42E-05	1.78E-06	3.88E-12	1.17E-11	9.26E-12	6.72E-15	1.62E-13	1.22E-14	1.81147E-13	1.258E-08	1.4222E-05	1.78E-06	3.96963E-12	2.71523E-14	1.98137E-12	4.5175E-15
125	571310.6	4178039	0.55, 41780	0.35598	0.34149	0.26147	189.38373	68.10225	290.04443	23.67297	13.72977	36.25555	1.32E-08	1.47E-05	1.84E-06	4.08E-12	1.23E-11	9.74E-12	7.07E-15	1.71E-13	1.29E-14	1.90656E-13	1.324E-08	1.468E-05	1.84E-06	4.17802E-12	2.85776E-14	2.08538E-12	4.7547E-15
126	571350.6	4178039	0.55, 41780	0.39399	0.35989	0.2835	182.95784	62.01914	299.45287	22.86973	11.81322	37.43161	1.44E-08	1.52E-05	1.89E-06	4.43E-12	1.34E-11	1.06E-11	7.66E-15	1.85E-13	1.39E-14	2.06718E-13	1.435E-08	1.5156E-05	1.89E-06	4.52999E-12	3.09852E-14	2.26107E-12	5.1552E-15
127	571390.6	4178039	0.55, 41780	0.4222	0.3733	0.32107	164.47464	56.17724	258.72398	20.55933	10.13431	32.3405	1.63E-08	1.31E-05	1.64E-06	5.02E-12	1.51E-11	1.2E-11	8.68E-15	2.1E-13	1.58E-14	2.34106E-13	1.625E-08	1.3095E-05	1.64E-06	5.13017E-12	3.50904E-14	2.56063E-12	5.8382E-15
128	571430.6	4178039	0.55, 41780	0.44026	0.38105	0.3744	146.31006	45.848	221.86738	18.28876	9.60517	27.73342	1.9E-08	1.12E-05	1.4E-06	5.85E-12	1.77E-11	1.39E-11	1.01E-14	2.44E-13	1.84E-14	2.7298E-13	1.895E-08	1.1229E-05	1.4E-06	5.98206E-12	4.09173E-14	2.98584E-12	6.8077E-15
129	571470.6	4178039	0.55, 41780	0.44344	0.3799	0.42037	134.05635	35.96521	154.66668	16.75704	8.42199	19.33334	2.13E-08	7.83E-06	9.79E-07	6.57E-12	1.98E-11	1.57E-11	1.14E-14	2.74E-13	2.07E-14	3.06488E-13	2.128E-08	7.8282E-06	9.79E-07	6.71635E-12	4.59398E-14	3.35234E-12	7.6433E-15
130	571510.6	4178039	0.55, 41780	0.43369	0.37075	0.44522	135.2804	26.4112	176.84451	16.91005	8.14543	22.10556	2.25E-08	8.95E-06	1.12E-06	6.95E-12	2.1E-11	1.66E-11	1.2E-14	2.91E-13	2.19E-14	3.24599E-13	2.254E-08	8.9505E-06	1.12E-06	7.11324E-12	4.86546E-14	3.55045E-12	8.095E-15
131	571550.6	4178039	0.55, 41780	0.4157	0.35641	0.44493	128.00174	25.24959	172.96462	16.00022	7.84928	21.62058	2.25E-08	8.75E-06	1.09E-06	6.95E-12	2.1E-11	1.66E-11	1.2E-14	2.9E-13	2.19E-14	3.24385E-13	2.252E-08	8.7542E-06	1.09E-06	7.10854E-12	4.86224E-14	3.5481E-12	8.0897E-15
132	571590.6	4178039	0.55, 41780	0.38889	0.33646	0.4222	114.21376	28.264	151.26331	14.27672	7.21894	18.90791	2.14E-08	7.66E-06	9.57E-07	6.6E-12	1.99E-11	1.57E-11	1.14E-14	2.76E-13	2.07E-14	3.07813E-13	2.137E-08	7.6559E-06	9.57E-07	6.74538E-12	4.61384E-14	3.36684E-12	7.6764E-15
133	570310.6	4178079	0.55, 41780	0.09792	0.07296	0.09477	71.40728	28.01469	77.09789	8.92591	4.66912	9.63724	4.8E-09	3.9E-06	4.88E-07	1.48E-12	4.47E-12	3.53E-12	2.56E-15	6.19E-14	4.66E-15	6.90936E-14	4.797E-09	3.9023E-06	4.88E-07	1.51411E-12	1.03565E-14	7.55741E-13	1.7231E-15
134	570350.6	4178079	0.55, 41780	0.1067	0.08065	0.10312	70.03301	29.10671	80.22931	8.75413	4.85112	10.02866	5.22E-09	4.06E-06	5.08E-07	1.61E-12	4.86E-12	3.84E-12	2.79E-15	6.73E-14	5.07E-15	7.51816E-14	5.22E-09	4.0608E-06	5.08E-07	1.64752E-12	1.1269E-14	8.22331E-13	1.8749E-15
135	570390.6	4178079	0.55, 41780	0.11641	0.08948	0.11242	73.93226	30.15719	77.81828	9.24153	5.0262	9.72728	5.69E-09	3.94E-06	4.92E-07	1.76E-12	5.3E-12	4.19E-12	3.04E-15	7.34E-14	5.52E-15	8.19622E-14	5.691E-09	3.9388E-06	4.92E-07	1.79611E-12	1.22854E-14	8.96496E-13	2.044E-15
136	570430.6	4178079	0.55, 41780	0.12715	0.09969	0.12302	79.99098	31.34254	86.52141	9.99887	5.20891	10.81518	6.23E-09	4.38E-06	5.47E-07	1.92E-12	5.8E-12	4.58E-12	3.33E-15	8.03E-14	6.05E-15	8.96906E-14	6.227E-09	4.3793E-06	5.47E-07	1.96547E-12	1.34438E-14	9.8103E-13	2.2367E-15
137	570470.6	4178079	0.55, 41780	0.13857	0.11144	0.13449	81.53824	32.65768	88.86509	10.19228	5.39019	11.10814	6.81E-09	4.5E-06	5.62E-07	2.1E-12	6.34E-12	5.01E-12	3.64E-15	8.78E-14	6.61E-15	9.80536E-14	6.808E-09	4.4979E-06	5.62E-07	2.14874E-12	1.46974E-14	1.0725E-12	2.4453E-15
138	570510.6	4178079	0.55, 41780	0.15049	0.12507	0.14657	87.75299	34.11951	95.20757	10.96912	5.60116	11.90095	7.42E-09	4.82E-06	6.02E-07	2.29E-12	6.91E-12	5.46E-12	3.96E-15	9.57E-14	7.2E-15	1.06861E-13	7.42E-09	4.819E-06	6.02E-07	2.34175E-12	1.60176E-14	1.16884E-12	2.665E-15
139	570550.6	4178079	0.55, 41780	0.16198	0.14034	0.1583	91.64015	35.64897	104.22382	11.45502	5.99366	13.02798	8.01E-09	5.28E-06	6.59E-07	2.47E-12	7.47E-12	5.9E-12	4.28E-15	1.03E-13	7.78E-15	1.15414E-13	8.013E-09	5.2753E-06	6.59E-07	2.52918E-12	1.72996E-14	1.2624E-12	2.8783E-15
140	570590.6	4178079	0.55, 41780	0.17272	0.15744	0.16968	88.35639	37.38874	105.88084	11.57204	6.46071	13.23511	8.59E-09	5.36E-06	6.7E-07	2.65E-12	8E-12	6.32E-12	4.59E-15	1.11E-13	8.34E-15	1.23713E-13	8.59E-09	5.3592E-06	6.7E-07	2.71103E-12	1.85434E-14	1.35316E-12	3.0852E-15
141	570630.6	4178079	0.55, 41780	0.1831	0.1763	0.17984	101.08083	39.23196	114.54818	12.6351	7.02353	14.31852	9.1E-09	5.8E-06	7.25E-07	2.81E-12	8.48E-12	6.7E-12	4.86E-15	1.17E-13	8.84E-15	1.31122E-13	9.104E-09	5.7979E-06	7.25E-07	2.8734E-12	1.9654E-14	1.4342E-12	3.27E-15
142	570670.6	4178079	0.55, 41780	0.19537	0.19687	0.18849	125.63761	41.20021	131.91916	15.7047	8.22231	16.4899	9.54E-09	6.68E-06	8.35E-07	2.94E-12	8.89E-12	7.02E-12	5.1E-15	1.23E-13	9.26E-15	1.37431E-13	9.542E-09	6.6771E-06	8.35E-07	3.01165E-12	2.05997E-14	1.50321E-12	3.4273E-15
143	570710.6	4178079	0.55, 41780	0.21241	0.21933	0.20096	144.38379	43.29239	151.59141	18.04797	9.29195	18.94893	1.02E-08	7.67E-06	9.59E-07	3.14E-12	9.48E-12	7.49E-12	5.43E-15	1.31E-13	9.88E-15	1.46525E-13	1.017E-08	7.6727E-06	9.59E-07	3.21093E-12	2.19628E-14	1.60268E-12	3.6541E-15
144	570750.6	4178079	0.55, 41780	0.23537	0.24332	0.2221	149.96792	48.92505	154.1756	18.74599	10.23	23.04389	1.12E-08	7.8E-06	1.17E-06	3.47E-12	1.05E-11	8.28E-12	6E-15	1.45E-13	1.09E-14	1.61939E-13	1.124E-08	7.8036E-06	1.17E-06	3.54871E-12	2.42732E-14	1.77127E-12	4.0385E-15
145	570790.6	4178079	0.55, 41780	0.26445	0.26867	0.24585	159.48841	56.15329	178.05216	19.93605	11.24377	22.79466	1.24E-08	9.01E-06	1.15E-06	3.84E-12	1.16E-11	9.16E-12	6.65E-15	1.61E-13	1.21E-14	1.79255E-13	1.245E-08	9.0121E-06	1.15E-06	3.92819E-12	2.68688E-14	1.96068E-12	4.4704E-15
146	570830.6	4178079	0.55, 41780	0.30001	0.29551	0.27029	164.85959	59.75168	177.78875	20.60745	12.43332	22.22359	1.37E-08	9E-06	1.13E-06	4.22E-12	1.27E-11	1.01E-11	7.31E-15	1.76E-13	1.33E-14	1.97075E-13	1.368E-08	8.9988E-06	1.13E-06	4.31869E-12	2.95399E-14	2.1556E-12	4.9148E-15
147	570870.6	4178079	0.55, 41780	0.34051	0.32416	0.30185	178.96906	63.85658	203.22306	22.37113	13.91958	25.40288	1.53E-08	1.03E-05	1.29E-06	4.72E-12	1.42E-11	1.12E-11	8.16E-15	1.97E-13	1.48E-14	2.20086E-13	1.528E-08	1.0286E-05	1.29E-06	4.82294E-12	3.29889E-14	2.40728E-12	5.4886E-15
148	570910.6	4178079	0.55, 41780	0.37529	0.35313	0.33459	192.82824	68.49057	229.7632	24.10353	15.26079	28.7204	1.69E-08	1.16E-05	1.45E-06	5.23E-12	1.58E-11	1.25E-11	9.04E-15	2.18E-13	1.64E-14	2.43956E-13	1.694E-08	1.1629E-05	1.45E-06	5.34603E-12	3.65668E-14	2.66837E-12	6.0839E-15
149	570950.6	4178079	0.55, 41780	0.39192	0.37725	0.35493	199.56835	75.56845	241.42387	26.9715	14.65967	30.17798	1.8E-08	1.22E-05	1.53E-06	5.54E-12	1.67E-11	1.32E-11	9.59E-15	2.32E-13	1.74E-14	2.58787E-13	1.797E-08	1.222E-05	1.53E-06	5.67103E-12	3.87898E-14	2.83059E-12	6.4537E-15
150	570990.6	4178079	0.55, 41780	0.38624	0.39167	0.34038	209.52387	83.72546	270.89556	31.32288	13.79848	33.86195	1.72E-08	1.37E-05	1.71E-06	5.32E-12	1.61E-11	1.27E-11	9.2E-15	2.22E-13	1.67E-14	2.48184E-13	1.723E-08	1.3711E-05	1.71E-06	5.43867E-12	3.72005E-14	2.71461E-12	6.1893E-15
151	571030.6	4178079	0.55, 41780	0.36706	0.40059	0.31708	238.62537	94.19927	346.28961	34.73297	15.69988	52.33117	1.61E-08	1.75E-05	2.65E-06	4.95E-12	1.5E-11	1.18E-11	8.57E-15	2.07E-13	1.56E-14	2.31201E-13	1.605E-08	1.7527E-05	2.65E-06	5.06652E-12	3.4655E-14	2.52886E-12	5.7658E-15
152	571070.6	4178079	0.55, 41780	0.35702	0.41066	0.29659	228.92087	105.90077	368.47625	31.45005	16.61116	46.05953	1.5E-08	1.87E-05	2.33E-06	4.63E-12	1.4E-11	1.11E-11	8.02E-15	1.94E-13	1.46E-14	2.16268E-13	1.502E-08	1.865E-05	2.33E-06	4.73927E-12	3.24166E-14	2.36552E-12	5.3934E-15
153	571110.6	4178079	0.55, 41780	0.35812	0.41418	0.29542	212.64364	104.08221	374.64105	34.6648	20.98986	46.90606	1.5E-08	1.9E-05	2.37E-06	4.62E-12	1.39E-11	1.1E-11	7.99E-15	1.93E-13	1.45E-14	2.15415E-13	1.496E-08	1.8962E-05	2.37E-06	4.72059E-12	3.22889E-14	2.3562E-12	5.3721E-15
154	571150.6	4178079	0.55, 41780	0.37758	0.42317	0.31748	239.48451	117.47672	371.65504	34.21207	20.38272	60.67868	1.61E-08	1.88E-05	3.07E-06	4.96E-12	1.5E-11	1.18E-11	8.58E-15	2.07E-13	1.56E-14	2.31497E-13	1.607E-08	1.8811E-05	3.07E-06	5.07301E-12	3.46994E-14	2.5321E-12	5.7732E-15
155	571190.6	4178079	0.55, 41780	0.41277	0.43447	0.31013	228.77572	115.09155	359.73847	28.66724	20.67403	44.96731	1.57E-08	1.82E-05	2.28E-06	4.85E-12	1.46E-11	1.16E-11	8.38E-15	2.03E-13	1.52E-14	2.26142E-13	1.57E-08	1.8208E-05	2.28E-06	4.95566E-12	3.38967E-14	2.47353E-12	5.6396E-15
156	571230.6	4178079	0.55, 41780	0.46673	0.45732	0.33128	219.54291	100.98995	305.404	27.44286	18.56894	43.62914	1.68E-08	1.55E-05	2.21E-06	5.18E-12	1.56E-11	1.23E-11	8.96E-15	2.16E-13	1.63E-14	2.41564E-13	1.677E-08	1.5458E-05	2.21E-06	5.29361E-12	3.62083E-14	2.64221E-12	6.0242E-15
157	571270.6	4178079	0.55, 41780	0.53318	0.48578	0.3586	215.1929	81.06645	332.5769	26.89911	17.27973	41.57211	1.82E-08	1.68E-05	2.1E-06	5.6E-12	1.69E-11	1.34E-11	9.69E-15	2.34E-13	1.76E-14	2.61484E-13	1.816E-08	1.6833E-05	2.1E-06	5.73014E-12	3.91942E-14	2.8601E-12	6.521E-15
158	571310.6	4178079	0.55, 41780	0.58671	0.50689	0.39805	205.97464	69.75551	363.05687	25.74683	14.70822	45.38211	2.02E-08	1.84E-05	2.3E-06	6.22E-12	1.88E-11	1.48E-11	1.08E-14	2.6E-13	1.96E-14	2.90244E-13	2.015E-08	1.8375E-05	2.3E-06	6.36039E-12	4.35051E-14	3.17467E-12	7.2383E-15
159	571350.6	4178079	0.55, 41780	0.61439	0.51569	0.46686	184.46358	62.8789	316.33591	23.05795	12.5762	39.54199	2.36E-08	1.6E-05	2E-06	7.29E-12	2.2E-11	1.74E-11	1.26E-14	3.05E-13	2.29E-14	3.40403E-13	2.363E-08	1.6011E-05	2E-06	7.45955E-12	5.10233E-14	3.7233E-12	8.4891E-15
160	571390.6	4178079	0.55, 41780	0.61879	0.51229	0.54521	162.6235	50.78632	251.98298	20.32794	11.67282	31.49787	2.76E-08	1.28E-05	1.59E-06	8.52E-12	2.57E-11	2.03E-11	1.47E-14	3.56E-13	2.68E-14	3.97512E-13	2.76E-08	1.2754E-05	1.59E-06	8.71104E-12	5.95835E-14	4.34796E-12	9.9133E-15
161	571430.6	4178079	0.55, 41780	0.60477	0.49855	0.60294	157.24404	39.05995	207.2573	19.65551	9.99401	25.90716	3.05E-08	1.05E-05	1.31E-06	9.42E-12	2.84E-11	2.25E-11	1.63E-14	3.94E-13	2.96E-14	4.39589E-13	3.052E-08	1.049E-05	1.31E-06	9.63311E-12	6.58905E-14	4.80819E-12	1.0963E-14
162	571470.6	4178079	0.55, 41780	0.57311	0.47467	0.61341	152.07991	30.59352	215.52596	19.00999	9.68796	26.94074	3.11E-08	1.09E-05	1.36E-06	9.58E-12	2.89E-11	2.29E-11	1.66E-14	4E-13	3.01E-14	4.47216E-13	3.105E-08	1.0908E-05	1.36E-06	9.80024E-12	6.70337E-14	4.89162E-12	1.1153E-14
163	571510.6	4178079	0.55, 41780	0.53465	0.44658	0.58613	137.55383	33.88214	191.36045	17.19423	8.95455	23.92006	2.97E-08	9.69E-06	1.21E-06	9.16E-12	2.76E-11	2.18E-11	1.58E-14	3.83E-13	2.88E-14	4.27325E-13	2.967E-08	9.6853E-06	1.21E-06	9.36437E-12	6.40523E-14	4.67406E-12	1.0657E-14
164	571550.6	4178079	0.55, 41780	0.48548	0.41212	0.53241	120.13532	36.07438	157.49519	15.01691	7.90342	19.6869	2.7E-08	7.97E-06	9.97E-07	8.32E-12	2.51E-11	1.98E-11	1.44E-14	3.48E-13	2.62E-14	3.88161E-13	2.695E-08	7.9714E-06	9.97E-07	8.50613E-12	5.81819E-14	4.24568E-12	9.6802E-15
165	571590.6	4178079	0.55, 41780	0.43445	0.37558	0.47142	108.95419	37.19094	141.55637	13.61927	6.74143	17.69455	2.39E-08	7.16E-06	8.96E-07	7.36E-12	2.22E-11	1.76E-11	1.27E-14	3.08E-13	2.32E-14	3.43698E-13	2.386E-08	7.1647E-06	8.96E-07	7.53176E-12	5.15172E-14	3.75934E-12	8.5713E-15
166	570310.6	4178119	0.55, 41781	0.10149	0.07442	0.09774	69.0748	28.05035	78.28908	8.63435	4.67506	9.78613	4.95E-09	3.96E-06	4.95E-07	1.53E-12	4.61E-12	3.64E-12	2.64E-15	6.38E-14	4.8E-15	7.12588E-14	4.948E-09	3.9626E-06	4.95E-07	1.56156E-12	1.06811E-14	7.79424E-13	1.7771E-15
167	570350.6	4178119	0.55, 41781	0.11138	0.08273	0.10725	79.07973	29.62524	82.98136	9.88497	4.93754	10.37267	5.43E-09	4.2E-06	5.25E-07	1.68E-12	5.06E-12	4E-12	2.9E-15	7E-14	5.27E-15	7.81924E-14	5.429E-09	4.2001E-06	5.25E-07	1.7135E-12	1.17203E-14	8.55263E-13	1.95E-15
168	570390.6	4178119	0.55, 41781	0.12249	0.09237	0.11775	81.81771	30.97041	92.38822	10.22721	5.16174	11.54853	5.96E-09	4.68E-06	5.85E-07	1.84E-12	5.55E-12	4.39E-12	3.18E-15	7.69E-14	5.79E-15	8.58479E-14	5.961E-09	4.6762E-06	5.85E-07	1.88126E-12	1.28678E-14	9.38998E-13	2.1409E-15
169	570430.6	4178119	0.55, 41781	0.13492	0.10362	0.12964	81.48606	32.23138	89.13007	10.18576	5.3719	11.14126	6.56E-09	4.51E-06	5.64E-07	2.03E-12	6.11E-12	4.83E-12	3.5E-15	8.46E-14	6.37E-15	9.45169E-14	6.563E-09	4.5113E-06	5.64E-07	2.07123E-12	1.41672E-14	1.03382E-12	2.3571E-15
170	570470.6	4178119	0.55, 41781	0.14882	0.11683	0.14311	90.82614	33.6686	97.62505	11.35327	5.5932	12.20313	7.24E-09	4.94E-06	6.18E-07	2.24E-12	6.75E-12	5.33E-12	3.87E-15	9.34E-14	7.03E-15	1.04338E-13	7.244E-09	4.9413E-06	6.18E-07	2.28645E-12	1.56393E-14	1.14124E-12	2.602E-15
171	570510.6	4178119	0.55, 41781	0.16361	0.13228	0.15796	92.34034	35.20886	102.68913	11.54254	5.82093	12.83614	8E-09	5.2E-06	6.5E-07	2.47E-12	7.45E-12	5.89E-12	4.27E-15	1.03E-13	7.76E-15	1.15165E-13	7.996E-09	5.1976E-06	6.5E-07	2.52372E-12	1.72622E-14	1.25967E-12	2.872E-15
172	570550.6	4178119	0.55, 41781	0.17911	0.1505	0.17388	100.11195	36.92243	110.21215	12.51399	6.33987	13.77652	8.8E-09	5.58E-06	6.97E-07	2.72E-12	8.2E-12	6.48E-12	4.7E-15	1.14E-13	8.55E-15	1.26773E-13	8.802E-09	5.5784E-06	6.97E-07	2.77809E-12	1.90022E-14	1.38663E-12	3.1615E-15
173	570590.6	4178119	0.55, 41781	0.19374	0.17125	0.18923	103.74737	38.76233	121.67682	12.96842	6.89651	15.2096	9.58E-09	6.16E-06	7.7E-07	2.96E-12	8.93E-12	7.05E-12	5.11E-15	1.24E-13	9.3E-15	1.37966E-13	9.579E-09	6.1586E-06	7.7E-07	3.02337E-12	2.06798E-14	1.50906E-12	3.4407E-15
174	570630.6	4178119	0.55, 41781	0.2069	0.19483	0.20326	104.63966	41.01094	121.05227	13.84797	7.49161	15.13153	1.03E-08	6.13E-06	7.66E-07	3.18E-12	9.59E-12	7.57E-12	5.49E-15	1.33E-13	9.99E-15	1.48197E-13	1.029E-08	6.1271E-06	7.66E-07	3.24757E-12	2.22134E-14	1.62097E-12	3.6958E-15
175	570670.6	4178119	0.55, 41781	0.21998	0.22122	0.21442	115.58367	43.51142	138.36153	15.0671	8.60459	17.29519	1.09E-08	7E-06	8.76E-07	3.35E-12	1.01E-11	7.99E-12	5.8E-15	1.4E-13	1.05E-14	1.56336E-13	1.085E-08	7.0031E-06	8.76E-07	3.42594E-12	2.34334E-14	1.71E-12	3.8988E-15
176	570710.6	4178119	0.55, 41781	0.23703	0.25104	0.22497	127.12041	45.98226	134.54184	16.41254	9.96819	16.81773	1.14E-08	6.81E-06	8.51E-07	3.51E-12	1.06E-11	8.38E-12	6.08E-15	1.47E-13	1.11E-14	1.64032E-13	1.139E-08	6.8099E-06	8.51E-07	3.59458E-12	2.4587E-14	1.79417E-12	4.0907E-15
177	570750.6	4178119	0.55, 41781	0.26187	0.28441	0.24496	163.41699	49.64069	173.69321	20.42712	11.18287	24.67477	1.24E-08	8.79E-06	1.25E-06	3.83E-12	1.16E-11	9.13E-12	6.62E-15	1.6E-13	1.2E-14	1.7861E-13	1.24E-08	8.7914E-06	1.25E-06	3.91403E-12	2.6772E-14	1.95362E-12	4.4542E-15
178	570790.6	4178119	0.55, 41781	0.29707	0.32177	0.27572	189.30326	59.79186	203.13563	23.66291	12.3939	25.39195	1.4E-08	1.03E-05	1.29E-06	4.31E-12	1.3E-11	1.03E-11	7.45E-15	1.8E-13	1.36E-14	2.01038E-13	1.396E-08	1.0282E-05	1.29E-06	4.40553E-12	3.01338E-14	2.19894E-12	5.0136E-15
179	570830.6	4178119	0.55, 41781	0.34574	0.3643	0.31009	193.11502	64.55328	210.79637	24.13938	13.76558	26.34955	1.57E-08	1.07E-05	1.33E-06	4.84E-12	1.46E-11	1.16E-11	8.38E-15	2.02E-13	1.52E-14	2.26099E-13	1.57E-08	1.0669E-05	1.33E-06	4.95472E-12	3.38903E-14	2.47306E-12	5.6386E-15
180	570870.6	4178119	0.55, 41781	0.41228	0.41342	0.35667	202.8381	69.60981	241.64288	25.35476	15.49628	31.6123	1.81E-08	1.22E-05	1.6E-06	5.57E-12	1.68E-11	1.33E-11	9.64E-15	2.33E-13	1.75E-14	2.60062E-13	1.806E-08	1.2231E-05	1.6E-06	5.69897E-12	3.8981E-14	2.84454E-12	6.4855E-15
181	570910.6	4178119	0.55, 41781	0.49003	0.46844	0.41739	224.50761	75.3478	268.49725	28.06345	17.99511	33.56216	2.11E-08	1.36E-05	1.7E-06	6.52E-12	1.97E-11	1.56E-11	1.13E-14	2.73E-13	2.05E-14	3.04333E-13	2.113E-08	1.359E-05	1.7E-06	6.66912E-12	4.56168E-14	3.32877E-12	7.5896E-15
182	570950.6	4178119	0.55, 41781	0.55455	0.52056	0.48015	237.44511	82.6149	307.44591	31.19836	20.61697	38.43074	2.43E-08	1.56E-05	1.95E-06	7.5E-12	2.26E-11	1.79E-11	1.3E-14	3.14E-13	2.36E-14	3.5009E-13	2.431E-08	1.5561E-05	1.95E-06	7.67183E-12	5.24753E-14	3.82925E-12	8.7307E-15
183	570990.6	4178119	0.55, 41781	0.59019	0.56679	0.49805	260.70129	98.30209	347.94815	39.14578	18.7176	43.49352	2.52E-08	1.76E-05	2.2E-06	7.78E-12	2.35E-11	1.86E-11	1.35E-14	3.25E-13	2.45E-14	3.63146E-13	2.521E-08	1.7611E-05	2.2E-06	7.95795E-12	5.44324E-14	3.97207E-12	9.0563E-15
184	571030.6	4178119	0.55, 41781	0.58003	0.59593	0.46436	288.08817	110.38847	394.82286	43.41155	19.84321	60.28631	2.35E-08	2E-05	3.05E-06	7.25E-12	2.19E-11	1.73E-11	1.26E-14	3.03E-13	2.28E-14	3.38594E-13	2.351E-08	1.9984E-05	3.05E-06	7.41992E-12	5.07523E-14	3.70352E-12	8.444E-15
185	571070.6	4178119	0.55, 41781	0.56003	0.61401	0.43624	281.59163	124.26135	479.69295	39.26934	23.95732	65.06151	2.21E-08	2.43E-05	3.29E-06	6.82E-12	2.06E-11	1.63E-11	1.18E-14	2.85E-13	2.14E-14	3.181E-13	2.209E-08	2.4279E-05	3.29E-06	6.97082E-12	4.76804E-14	3.47936E-12	7.9329E-15
186	571110.6	4178119	0.55, 41781	0.57497	0.62965	0.42923	279.23237	138.16088	507.21032	41.39356	27.39628	63.69191	2.17E-08	2.57E-05	3.22E-06	6.71E-12	2.02E-11	1.6E-11	1.16E-14	2.8E-13	2.11E-14	3.12994E-13	2.173E-08	2.5672E-05	3.22E-06	6.85891E-12	4.6915E-14	3.4235E-12	7.8056E-15
187	571150.6	4178119	0.55, 41781	0.64473	0.65929	0.45591	273.06399	137.55558	506.75735	37.77228	27.34359	77.75635	2.31E-08	2.56E-05	3.94E-06	7.12E-12	2.15E-11	1.7E-11	1.23E-14	2.98E-13	2.24E-14	3.32448E-13	2.308E-08	2.5649E-05	3.94E-06	7.28522E-12	4.98309E-14	3.63629E-12	8.2907E-15
188	571190.6	4178119	0.55, 41781	0.76806	0.70549	0.46182	260.36357	120.74038	479.78233	32.90288	24.49294	68.54033	2.34E-08	2.43E-05	3.47E-06	7.22E-12	2.18E-11	1.72E-11	1.25E-14	3.02E-13	2.27E-14	3.36766E-13	2.338E-08	2.4283E-05	3.47E-06	7.37986E-12	5.04783E-14	3.68353E-12	8.3984E-15
189	571230.6	4178119	0.55, 41781	0.88147	0.74364	0.51839	250.38348	100.21062	435.42895	31.29805	22.32262	54.42873	2.62E-08	2.2E-05	2.76E-06	8.1E-12	2.45E-11	1.93E-11	1.4E-14	3.39E-13	2.55E-14	3.7801E-13	2.625E-08	2.2039E-05	2.76E-06	8.28367E-12	5.66603E-14	4.13464E-12	9.427E-15
190	571270.6	4178119	0.55, 41781	0.94057	0.75526	0.59724	235.31349	80.57107	462.41399	29.41419	18.81416	57.80175	3.02E-08	2.34E-05	2.93E-06	9.33E-12	2.82E-11	2.23E-11	1.61E-14	3.9E-13	2.94E-14	4.35487E-13	3.024E-08	2.3404E-05	2.93E-06	9.54323E-12	6.52757E-14	4.76333E-12	1.086E-14
191	571310.6	4178119	0.55, 41781	0.94266	0.74202	0.72716	211.76846	71.48368	401.12341	26.47106	15.9259	50.14043	3.68E-08	2.03E-05	2.54E-06	1.14E-11	3.43E-11	2.71E-11	1.97E-14	4.75E-13	3.57E-14	5.30185E-13	3.681E-08	2.0302E-05	2.54E-06	1.16184E-11	7.94699E-14	5.79912E-12	1.3222E-14
192	571350.6	4178119	0.55, 41781	0.90909	0.71255	0.85266	184.59351	57.17412	286.57244	23.07419	14.42847	35.82155	4.32E-08	1.45E-05	1.81E-06	1.33E-11	4.02E-11	3.18E-11	2.3E-14	5.57E-13	4.19E-14	6.21656E-13	4.316E-08	1.4504E-05	1.81E-06	1.36229E-11	9.31808E-14	6.79963E-12	1.5503E-14
193	571390.6	4178119	0.55, 41781	0.85308	0.67145	0.90336	182.88204	42.90716	275.98695	22.86025	12.27464	34.49837	4.57E-08	1.4E-05	1.75E-06	1.41E-11	4.26E-11	3.37E-11	2.44E-14	5.9E-13	4.44E-14	6.58603E-13	4.573E-08	1.3968E-05	1.75E-06	1.44326E-11	9.87188E-14	7.20376E-12	1.6425E-14
194	571430.6	4178119	0.55, 41781	0.78	0.62166	0.86624	169.0522	41.64549	252.50347	21.13153	11.39175	31.56293	4.38E-08	1.28E-05	1.6E-06	1.35E-11	4.09E-11	3.23E-11	2.34E-14	5.66E-13	4.26E-14	6.31536E-13	4.385E-08	1.278E-05	1.6E-06	1.38394E-11	9.46616E-14	6.9077E-12	1.575E-14
195	571470.6	4178119	0.55, 41781	0.69763	0.567	0.77646	144.82238	43.55007	199.26025	18.1028	10.0864	24.90753	3.93E-08	1.01E-05	1.26E-06	1.21E-11	3.66E-11	2.89E-11	2.1E-14	5.07E-13	3.82E-14	5.66083E-13	3.93E-08	1.0085E-05	1.26E-06	1.24051E-11	8.48508E-14	6.19178E-12	1.4117E-14
196	571510.6	4178119	0.55, 41781	0.61632	0.51188	0.67545	129.07456	44.20691	173.84445	16.93315	8.5721	21.73056	3.42E-08	8.8E-06	1.1E-06	1.06E-11	3.19E-11	2.52E-11	1.83E-14	4.41E-13	3.32E-14	4.92445E-13	3.419E-08	8.7989E-06	1.1E-06	1.07914E-11	7.38131E-14	5.38633E-12	1.2281E-14
197	571550.6	4178119	0.55, 41781	0.53701	0.45659	0.57828	116.13448	43.6354	149.52645	16.99831	7.6971	20.20244	2.93E-08	7.57E-06	1.02E-06	9.03E-12	2.73E-11	2.15E-11	1.56E-14	3.78E-13	2.84E-14	4.21605E-13	2.927E-08	7.5682E-06	1.02E-06	9.23902E-12	6.31949E-14	4.61149E-12	1.0514E-14
198	571590.6	4178119	0.55, 41781	0.46599	0.40463	0.49394	103.06511	42.01095	133.93422	16.60125	6.75955	20.50745	2.5E-08	6.78E-06	1.04E-06	7.72E-12	2.33E-11	1.84E-11	1.34E-14	3.22E-13	2.43E-14	3.60119E-13	2.5E-08	6.779E-06	1.04E-06	7.8916E-12	5.39786E-14	3.93895E-12	8.9808E-15
199	570310.6	4178159	0.55, 41781	0.10452	0.07557	0.10002	83.14681	27.07322	89.45551	10.39335	4.47805	11.18194	5.06E-09	4.53E-06	5.66E-07	1.56E-12	4.72E-12	3.73E-12	2.7E-15	6.53E-14	4.92E-15	7.2921E-14	5.063E-09	4.5278E-06	5.66E-07	1.59798E-12	1.09302E-14	7.97605E-13	1.8185E-15
200	570350.6	4178159	0.55, 41781	0.1156	0.08446	0.11071	83.51332	29.37807	93.62995	10.43917	4.89635	11.70374	5.6E-09	4.74E-06	5.92E-07	1.73E-12	5.22E-12	4.12E-12	2.99E-15	7.23E-14	5.44E-15	8.07148E-14	5.604E-09	4.7391E-06	5.92E-07	1.76878E-12	1.20984E-14	8.82853E-13	2.0129E-15
201	570390.6	4178159	0.55, 41781	0.12828	0.09489	0.12282	85.72091	31.44775	90.10823	10.71511	5.24129	11.26353	6.22E-09	4.56E-06	5.7E-07	1.92E-12	5.79E-12	4.58E-12	3.32E-15	8.02E-14	6.04E-15	8.9544E-14	6.217E-09	4.5608E-06	5.7E-07	1.96226E-12	1.34219E-14	9.79426E-13	2.2331E-15
202	570430.6	4178159	0.55, 41781	0.14269	0.1072	0.13639	94.53138	33.159	104.73347	11.81642	5.5265	13.09168	6.9E-09	5.3E-06	6.63E-07	2.13E-12	6.43E-12	5.08E-12	3.69E-15	8.9E-14	6.7E-15	9.94378E-14	6.904E-09	5.3011E-06	6.63E-07	2.17907E-12	1.49048E-14	1.08764E-12	2.4798E-15
203	570470.6	4178159	0.55, 41781	0.15906	0.12183	0.15182	91.68652	34.69147	109.10852	11.46082	5.78191	13.63857	7.69E-09	5.52E-06	6.9E-07	2.37E-12	7.16E-12	5.66E-12	4.1E-15	9.91E-14	7.46E-15	1.10688E-13	7.685E-09	5.5225E-06	6.9E-07	2.4256E-12	1.65911E-14	1.2107E-12	2.7604E-15
204	570510.6	4178159	0.55, 41781	0.17738	0.13933	0.16931	103.8828	36.49731	110.76271	12.98535	6.04456	13.84534	8.57E-09	5.61E-06	7.01E-07	2.64E-12	7.99E-12	6.31E-12	4.58E-15	1.11E-13	8.32E-15	1.2344E-13	8.571E-09	5.6063E-06	7.01E-07	2.70505E-12	1.85025E-14	1.35018E-12	3.0784E-15
205	570550.6	4178159	0.55, 41781	0.19733	0.16029	0.18927	106.21161	38.46337	121.82569	13.27645	6.62676	15.22821	9.58E-09	6.17E-06	7.71E-07	2.96E-12	8.93E-12	7.05E-12	5.12E-15	1.24E-13	9.3E-15	1.37993E-13	9.581E-09	6.1662E-06	7.71E-07	3.02397E-12	2.06839E-14	1.50936E-12	3.4413E-15
206	570590.6	4178159	0.55, 41781	0.21794	0.18524	0.21062	115.65264	40.48441	129.80552	14.45658	7.37316	16.22569	1.07E-08	6.57E-06	8.21E-07	3.29E-12	9.93E-12	7.85E-12	5.69E-15	1.38E-13	1.04E-14	1.5356E-13	1.066E-08	6.5701E-06	8.21E-07	3.3651E-12	2.30173E-14	1.67963E-12	3.8296E-15
207	570630.6	4178159	0.55, 41781	0.23707	0.21436	0.23118	118.44365	42.79741	144.28442	14.80546	8.08317	18.03555	1.17E-08	7.3E-06	9.13E-07	3.61E-12	1.09E-11	8.61E-12	6.25E-15	1.51E-13	1.14E-14	1.68552E-13	1.17E-08	7.3029E-06	9.13E-07	3.69363E-12	2.52645E-14	1.84361E-12	4.2034E-15
208	570670.6	4178159	0.55, 41781	0.25383	0.24795	0.24882	124.95922	45.84094	144.90734	15.6199	8.90031	18.11342	1.26E-08	7.33E-06	9.17E-07	3.89E-12	1.17E-11	9.27E-12	6.73E-15	1.62E-13	1.22E-14	1.81416E-13	1.26E-08	7.3344E-06	9.17E-07	3.97554E-12	2.71927E-14	1.98432E-12	4.5242E-15
209	570710.6	4178159	0.55, 41781	0.27135	0.28697	0.26135	131.25248	49.29697	162.49426	17.47805	10.6966	20.31178	1.32E-08	8.22E-06	1.03E-06	4.08E-12	1.23E-11	9.74E-12	7.06E-15	1.71E-13	1.28E-14	1.90557E-13	1.323E-08	8.2246E-06	1.03E-06	4.17585E-12	2.85628E-14	2.0843E-12	4.7522E-15
210	570750.6	4178159	0.55, 41781	0.29528	0.33222	0.27619	146.48828	52.90094	155.94977	21.86848	12.23914	22.93785	1.4E-08	7.89E-06	1.16E-06	4.31E-12	1.3E-11	1.03E-11	7.47E-15	1.8E-13	1.36E-14	2.01383E-13	1.398E-08	7.8934E-06	1.16E-06	4.41308E-12	3.01855E-14	2.20271E-12	5.0222E-15
211	570790.6	4178159	0.55, 41781	0.33253	0.38536	0.30655	168.4296	63.37031	207.44804	22.18934	13.75991	31.3643	1.55E-08	1.05E-05	1.59E-06	4.79E-12	1.45E-11	1.14E-11	8.29E-15	2E-13	1.51E-14	2.23522E-13	1.552E-08	1.05E-05	1.59E-06	4.89825E-12	3.3504E-14	2.44487E-12	5.5743E-15
212	570830.6	4178159	0.55, 41781	0.39122	0.44987	0.34708	226.40986	70.88867	244.94075	28.30123	15.58224	30.61759	1.76E-08	1.24E-05	1.55E-06	5.42E-12	1.64E-11	1.29E-11	9.38E-15	2.27E-13	1.71E-14	2.53078E-13	1.757E-08	1.2398E-05	1.55E-06	5.54592E-12	3.79341E-14	2.76815E-12	6.3114E-15
213	570870.6	4178159	0.55, 41781	0.48272	0.53035	0.408	262.06298	76.1106	293.39264	32.75787	17.58972	36.67408	2.07E-08	1.48E-05	1.86E-06	6.37E-12	1.92E-11	1.52E-11	1.1E-14	2.66E-13	2.01E-14	2.97499E-13	2.066E-08	1.485E-05	1.86E-06	6.51937E-12	4.45925E-14	3.25403E-12	7.4192E-15
214	570910.6	4178159	0.55, 41781	0.61652	0.63133	0.50366	261.24493	84.17228	335.42472	32.65562	20.33398	41.92809	2.55E-08	1.7E-05	2.12E-06	7.87E-12	2.38E-11	1.88E-11	1.36E-14	3.29E-13	2.48E-14	3.67247E-13	2.55E-08	1.6977E-05	2.12E-06	8.04782E-12	5.50471E-14	4.01693E-12	9.1586E-15
215	570950.6	4178159	0.55, 41781	0.78722	0.75662	0.63069	286.12528	93.97029	373.71712	38.09436	25.30252	46.71464	3.19E-08	1.89E-05	2.36E-06	9.85E-12	2.97E-11	2.35E-11	1.7E-14	4.12E-13	3.1E-14	4.59866E-13	3.193E-08	1.8915E-05	2.36E-06	1.00775E-11	6.89299E-14	5.02999E-12	1.1468E-14
216	570990.6	4178159	0.55, 41781	0.95557	0.89576	0.74297	303.7283	113.02353	445.40224	49.39935	30.83627	55.67528	3.76E-08	2.25E-05	2.82E-06	1.16E-11	3.5E-11	2.77E-11	2.01E-14	4.85E-13	3.65E-14	5.41736E-13	3.761E-08	2.2543E-05	2.82E-06	1.18716E-11	8.12015E-14	5.92548E-12	1.351E-14
217	571030.6	4178159	0.55, 41781	1.0701	1.00768	0.7637	365.27865	135.92516	512.48146	63.89384	29.33742	70.31034	3.87E-08	2.59E-05	3.56E-06	1.19E-11	3.6E-11	2.85E-11	2.06E-14	4.99E-13	3.75E-14	5.56869E-13	3.866E-08	2.5939E-05	3.56E-06	1.22032E-11	8.34697E-14	6.091E-12	1.3887E-14
218	571070.6	4178159	0.55, 41781	1.06935	1.07923	0.71312	382.13438	155.20031	662.82772	54.74849	37.25068	94.68967	3.61E-08	3.35E-05	4.79E-06	1.11E-11	3.36E-11	2.66E-11	1.93E-14	4.66E-13	3.51E-14	5.20014E-13	3.611E-08	3.3548E-05	4.79E-06	1.13955E-11	7.79455E-14	5.68788E-12	1.2968E-14
219	571110.6	4178159	0.55, 41781	1.19831	1.16386	0.6846	373.85474	174.62021	736.75515	53.40782	39.37776	93.09067	3.47E-08	3.73E-05	4.71E-06	1.07E-11	3.23E-11	2.55E-11	1.85E-14	4.47E-13	3.37E-14	4.99243E-13	3.466E-08	3.729E-05	4.71E-06	1.09404E-11	7.48321E-14	5.46069E-12	1.245E-14
220	571150.6	4178159	0.55, 41781	1.53671	1.26322	0.72724	331.2731	149.81574	693.97089	50.26616	34.67292	96.78528	3.68E-08	3.51E-05	4.9E-06	1.14E-11	3.43E-11	2.71E-11	1.97E-14	4.75E-13	3.58E-14	5.30349E-13	3.682E-08	3.5124E-05	4.9E-06	1.1622E-11	7.94945E-14	5.80092E-12	1.3226E-14
221	571190.6	4178159	0.55, 41781	1.71324	1.27647	0.80447	303.51531	125.05743	565.89383	43.45807	29.97586	80.84198	4.07E-08	2.86E-05	4.09E-06	1.26E-11	3.8E-11	3E-11	2.17E-14	5.25E-13	3.95E-14	5.86648E-13	4.073E-08	2.8642E-05	4.09E-06	1.28557E-11	8.79333E-14	6.41671E-12	1.463E-14
222	571230.6	4178159	0.55, 41781	1.67997	1.21931	0.99011	277.00255	96.22407	622.39581	36.53844	24.95569	77.79948	5.01E-08	3.15E-05	3.94E-06	1.55E-11	4.67E-11	3.69E-11	2.68E-14	6.47E-13	4.87E-14	7.21951E-13	5.013E-08	3.1501E-05	3.94E-06	1.58208E-11	1.08214E-13	7.89665E-12	1.8004E-14
223	571270.6	4178159	0.55, 41781	1.56347	1.13234	1.265	251.98402	83.18585	536.39129	31.498	20.71301	67.04891	6.4E-08	2.71E-05	3.39E-06	1.98E-11	5.97E-11	4.71E-11	3.42E-14	8.26E-13	6.22E-14	9.22303E-13	6.404E-08	2.7148E-05	3.39E-06	2.02113E-11	1.38245E-13	1.00881E-11	2.3001E-14
224	571310.6	4178159	0.55, 41781	1.42012	1.03692	1.45126	223.09845	65.85457	360.16353	27.88731	18.21453	45.02044	7.35E-08	1.82E-05	2.28E-06	2.27E-11	6.84E-11	5.41E-11	3.92E-14	9.48E-13	7.13E-14	1.05805E-12	7.346E-08	1.8229E-05	2.28E-06	2.3186E-11	1.58592E-13	1.15729E-11	2.6386E-14
225	571350.6	4178159	0.55, 41781	1.26306	0.93714	1.42084	212.7442	53.05659	355.96566	26.59303	15.01468	44.49571	7.19E-08	1.8E-05	2.25E-06	2.22E-11	6.7E-11	5.29E-11	3.84E-14	9.28E-13	6.98E-14	1.03585E-12	7.192E-08	1.8016E-05	2.25E-06	2.26996E-11	1.55265E-13	1.13301E-11	2.5833E-14
226	571390.6	4178159	0.55, 41781	1.10199	0.83709	1.24864	185.92823	54.01949	274.01244	23.24103	13.29114	34.25155	6.32E-08	1.39E-05	1.73E-06	1.95E-11	5.89E-11	4.65E-11	3.37E-14	8.15E-13	6.14E-14	9.10315E-13	6.321E-08	1.3869E-05	1.73E-06	1.99486E-11	1.36448E-13	9.95696E-12	2.2702E-14
227	571430.6	4178159	0.55, 41781	0.9418	0.73869	1.04204	159.26436	50.60229	222.79179	21.61583	11.2268	27.84897	5.27E-08	1.13E-05	1.41E-06	1.63E-11	4.91E-11	3.88E-11	2.82E-14	6.8E-13	5.12E-14	7.59702E-13	5.275E-08	1.1276E-05	1.41E-06	1.6648E-11	1.13873E-13	8.30957E-12	1.8946E-14
228	571470.6	4178159	0.55, 41781	0.79447	0.64516	0.85663	139.92539	51.85557	187.30754	21.06215	9.90602	27.91527	4.34E-08	9.48E-06	1.41E-06	1.34E-11	4.04E-11	3.19E-11	2.32E-14	5.59E-13	4.21E-14	6.24536E-13	4.336E-08	9.4804E-06	1.41E-06	1.3686E-11	9.36123E-14	6.83113E-12	1.5575E-14
229	571510.6	4178159	0.55, 41781	0.67282	0.56206	0.7111	120.25585	49.92459	159.61818	19.96311	8.50885	26.60303	3.6E-08	8.08E-06	1.35E-06	1.11E-11	3.35E-11	2.65E-11	1.92E-14	4.64E-13	3.49E-14	5.1844E-13	3.6E-08	8.079E-06	1.35E-06	1.13611E-11	7.77096E-14	5.67067E-12	1.2929E-14
230	571550.6	4178159	0.55, 41781	0.57423	0.48972	0.59807	110.64777	47.57404	144.95635	18.4413	7.31081	24.15939	3.03E-08	7.34E-06	1.22E-06	9.34E-12	2.82E-11	2.23E-11	1.62E-14	3.9E-13	2.94E-14	4.36037E-13	3.027E-08	7.3369E-06	1.22E-06	9.55528E-12	6.53581E-14	4.76934E-12	1.0874E-14
231	571590.6	4178159	0.55, 41781	0.49292	0.42713	0.50772	100.4908	44.5532	128.72625	16.74847	6.44552	21.45437	2.57E-08	6.52E-06	1.09E-06	7.93E-12	2.39E-11	1.89E-11	1.37E-14	3.31E-13	2.5E-14	3.70167E-13	2.57E-08	6.5155E-06	1.09E-06	8.11181E-12	5.54848E-14	4.04887E-12	9.2314E-15
232	570310.6	4178199	0.55, 41781	0.10691	0.07648	0.10208	81.28791	24.55019	79.664	10.16099	3.94128	9.958	5.17E-09	4.03E-06	5.04E-07	1.59E-12	4.81E-12	3.8E-12	2.76E-15	6.66E-14	5.02E-15	7.44227E-14	5.167E-09	4.0322E-06	5.04E-07	1.63089E-12	1.11553E-14	8.14031E-13	1.856E-15
233	570350.6	4178199	0.55, 41781	0.11881	0.08587	0.11329	92.41038	27.80697	96.15133	11.5513	4.55912	12.01892	5.73E-09	4.87E-06	6.08E-07	1.77E-12	5.34E-12	4.22E-12	3.06E-15	7.4E-14	5.57E-15	8.25957E-14	5.735E-09	4.8667E-06	6.08E-07	1.80999E-12	1.23804E-14	9.03426E-13	2.0598E-15
234	570390.6	4178199	0.55, 41781	0.13286	0.09703	0.12666	98.9418	30.67703	108.4605	12.36772	5.11284	13.55756	6.41E-09	5.49E-06	6.86E-07	1.98E-12	5.97E-12	4.72E-12	3.42E-15	8.27E-14	6.22E-15	9.23435E-14	6.412E-09	5.4897E-06	6.86E-07	2.02361E-12	1.38415E-14	1.01005E-12	2.3029E-15
235	570430.6	4178199	0.55, 41781	0.14935	0.11037	0.14231	98.24021	33.47488	112.67373	12.28003	5.57915	14.08422	7.2E-09	5.7E-06	7.13E-07	2.22E-12	6.71E-12	5.3E-12	3.85E-15	9.29E-14	6.99E-15	1.03754E-13	7.204E-09	5.7029E-06	7.13E-07	2.27365E-12	1.55517E-14	1.13485E-12	2.5875E-15
236	570470.6	4178199	0.55, 41781	0.1686	0.12646	0.16043	107.25905	35.76824	115.05444	13.40738	5.96137	14.38181	8.12E-09	5.82E-06	7.28E-07	2.51E-12	7.57E-12	5.98E-12	4.34E-15	1.05E-13	7.88E-15	1.16965E-13	8.121E-09	5.8234E-06	7.28E-07	2.56315E-12	1.7532E-14	1.27935E-12	2.9169E-15
237	570510.6	4178199	0.55, 41781	0.19081	0.14598	0.18108	111.923	37.71142	131.96286	13.99038	6.28524	16.49536	9.17E-09	6.68E-06	8.35E-07	2.83E-12	8.54E-12	6.75E-12	4.89E-15	1.18E-13	8.9E-15	1.32021E-13	9.166E-09	6.6792E-06	8.35E-07	2.89309E-12	1.97887E-14	1.44403E-12	3.2924E-15
238	570550.6	4178199	0.55, 41781	0.21602	0.16987	0.20494	119.57772	40.00549	129.21029	14.94721	6.67621	16.15129	1.04E-08	6.54E-06	8.18E-07	3.2E-12	9.67E-12	7.64E-12	5.54E-15	1.34E-13	1.01E-14	1.49417E-13	1.037E-08	6.5399E-06	8.18E-07	3.27431E-12	2.23963E-14	1.63431E-12	3.7262E-15
239	570590.6	4178199	0.55, 41781	0.24388	0.19917	0.2325	124.08488	42.52786	147.10165	15.51043	7.78928	18.38771	1.18E-08	7.45E-06	9.31E-07	3.63E-12	1.1E-11	8.66E-12	6.28E-15	1.52E-13	1.14E-14	1.69512E-13	1.177E-08	7.4455E-06	9.31E-07	3.71466E-12	2.54083E-14	1.85411E-12	4.2274E-15
240	570630.6	4178199	0.55, 41781	0.27242	0.23473	0.26214	135.79301	45.13025	156.31523	16.97413	8.73982	19.5394	1.33E-08	7.91E-06	9.89E-07	4.09E-12	1.24E-11	9.77E-12	7.09E-15	1.71E-13	1.29E-14	1.91123E-13	1.327E-08	7.9118E-06	9.89E-07	4.18826E-12	2.86477E-14	2.09049E-12	4.7663E-15
241	570670.6	4178199	0.55, 41781	0.29828	0.27729	0.29064	136.89517	48.04336	174.48935	17.44831	9.65486	21.81117	1.47E-08	8.83E-06	1.1E-06	4.54E-12	1.37E-11	1.08E-11	7.86E-15	1.9E-13	1.43E-14	2.11905E-13	1.471E-08	8.8316E-06	1.1E-06	4.64368E-12	3.17627E-14	2.31781E-12	5.2846E-15
242	570710.6	4178199	0.55, 41781	0.321	0.32818	0.31291	151.98197	52.23375	185.24815	19.68934	11.4382	23.15602	1.58E-08	9.38E-06	1.17E-06	4.89E-12	1.48E-11	1.17E-11	8.46E-15	2.04E-13	1.54E-14	2.28148E-13	1.584E-08	9.3762E-06	1.17E-06	4.99961E-12	3.41973E-14	2.49546E-12	5.6897E-15
243	570750.6	4178199	0.55, 41781	0.34558	0.38955	0.32771	144.14265	57.26085	196.68908	22.53194	13.53855	24.58613	1.66E-08	9.96E-06	1.24E-06	5.12E-12	1.55E-11	1.22E-11	8.86E-15	2.14E-13	1.61E-14	2.38947E-13	1.659E-08	9.9553E-06	1.24E-06	5.23627E-12	3.58161E-14	2.61359E-12	5.959E-15
244	570790.6	4178199	0.55, 41781	0.38143	0.46429	0.35275	173.32889	66.95506	241.81218	25.57778	15.36352	36.58263	1.79E-08	1.22E-05	1.85E-06	5.51E-12	1.66E-11	1.31E-11	9.54E-15	2.3E-13	1.73E-14	2.57213E-13	1.786E-08	1.2239E-05	1.85E-06	5.63654E-12	3.8554E-14	2.81338E-12	6.4145E-15
245	570830.6	4178199	0.55, 41781	0.44289	0.55991	0.39405	200.31972	78.9407	262.23048	28.47462	17.66262	37.4615	2E-08	1.33E-05	1.9E-06	6.16E-12	1.86E-11	1.47E-11	1.07E-14	2.57E-13	1.94E-14	2.87335E-13	1.995E-08	1.3273E-05	1.9E-06	6.29664E-12	4.3069E-14	3.14285E-12	7.1657E-15
246	570870.6	4178199	0.55, 41781	0.55133	0.6879	0.45528	245.75399	83.68372	263.19795	34.28137	20.83884	36.18743	2.31E-08	1.33E-05	1.83E-06	7.11E-12	2.15E-11	1.7E-11	1.23E-14	2.97E-13	2.24E-14	3.31992E-13	2.305E-08	1.3322E-05	1.83E-06	7.27523E-12	4.97626E-14	3.6313E-12	8.2794E-15
247	570910.6	4178199	0.55, 41781	0.74216	0.86472	0.57468	353.61381	98.21675	387.24795	44.20173	24.01316	48.40599	2.91E-08	1.96E-05	2.45E-06	8.98E-12	2.71E-11	2.14E-11	1.55E-14	3.75E-13	2.82E-14	4.19059E-13	2.91E-08	1.96E-05	2.45E-06	9.18321E-12	6.28132E-14	4.58364E-12	1.0451E-14
248	570950.6	4178199	0.55, 41781	1.08517	1.1274	0.77671	376.11466	111.85514	479.74888	52.74149	29.33795	59.96861	3.93E-08	2.43E-05	3.04E-06	1.21E-11	3.66E-11	2.89E-11	2.1E-14	5.07E-13	3.82E-14	5.66374E-13	3.932E-08	2.4282E-05	3.04E-06	1.24115E-11	8.48944E-14	6.19496E-12	1.4125E-14
249	570990.6	4178199	0.55, 41781	1.58976	1.56693	1.05873	410.19015	135.68135	559.12982	68.60008	44.06737	76.18548	5.36E-08	2.83E-05	3.86E-06	1.65E-11	4.99E-11	3.95E-11	2.86E-14	6.91E-13	5.2E-14	7.7203E-13	5.36E-08	2.83E-05	3.86E-06	1.69182E-11	1.1572E-13	8.44441E-12	1.9253E-14
250	571030.6	4178199	0.55, 41781	2.42958	2.27373	1.377	561.74649	191.25505	728.04918	107.05418	55.40677	100.45619	6.97E-08	3.68E-05	5.09E-06	2.15E-11	6.5E-11	5.13E-11	3.72E-14	8.99E-13	6.77E-14	1.00416E-12	6.972E-08	3.6849E-05	5.09E-06	2.20051E-11	1.50515E-13	1.09835E-11	2.5042E-14
251	571070.6	4178199	0.55, 41781	3.58306	3.18041	1.39903	721.18769	259.71405	966.70756	139.44796	73.67892	144.94766	7.08E-08	4.89E-05	7.44E-06	2.19E-11	6.6E-11	5.21E-11	3.78E-14	9.14E-13	6.88E-14	1.02041E-12	7.085E-08	4.8929E-05	7.44E-06	2.23611E-11	1.5295E-13	1.11611E-11	2.5447E-14
252	571110.6	4178199	0.55, 41781	5.26167	3.22788	1.2956	536.30163	206.72583	1199.13306	116.57539	57.94295	153.9862	6.56E-08	6.07E-05	7.79E-06	2.02E-11	6.11E-11	4.83E-11	3.5E-14	8.46E-13	6.37E-14	9.45059E-13	6.562E-08	6.0691E-05	7.79E-06	2.07099E-11	1.41656E-13	1.0337E-11	2.3568E-14
253	571150.6	4178199	0.55, 41781	4.55265	2.7214	1.43074	406.82024	165.14744	1078.46551	75.27018	43.84452	138.95995	7.24E-08	5.46E-05	7.03E-06	2.24E-11	6.75E-11	5.33E-11	3.87E-14	9.34E-13	7.03E-14	1.04346E-12	7.245E-08	5.4583E-05	7.03E-06	2.28662E-11	1.56405E-13	1.14133E-11	2.6022E-14
254	571190.6	4178199	0.55, 41781	3.6655	2.27193	1.9191	348.88414	129.45816	921.59929	55.11772	35.12171	118.18584	9.72E-08	4.66E-05	5.98E-06	3E-11	9.05E-11	7.15E-11	5.19E-14	1.25E-12	9.43E-14	1.39933E-12	9.716E-08	4.6644E-05	5.98E-06	3.06647E-11	2.09747E-13	1.53058E-11	3.4897E-14

255	571230.6	4178199	0.55, 41781	2.99647	1.91661	2.63905	311.11499	100.77545	780.81724	44.29874	28.05958	97.60216	1.34E-07	3.95E-05	4.94E-06	4.12E-11	1.24E-10	9.83E-11	7.13E-14	1.72E-12	1.3E-13	1.92403E-12	1.336E-07	3.9518E-05	4.94E-06	4.2163E-11	2.88395E-13	2.10449E-11	4.7982E-14
256	571270.6	4178199	0.55, 41781	2.48655	1.63354	2.7833	275.28639	78.6156	563.64868	36.03295	23.70769	70.45609	1.41E-07	2.85E-05	3.57E-06	4.35E-11	1.31E-10	1.04E-10	7.52E-14	1.82E-12	1.37E-13	2.02911E-12	1.409E-07	2.8527E-05	3.57E-06	4.44657E-11	3.04146E-13	2.21943E-11	5.0603E-14
257	571310.6	4178199	0.55, 41781	2.04979	1.39182	2.36332	251.65063	69.80646	418.93362	31.45633	18.505	52.3667	1.2E-07	2.12E-05	2.65E-06	3.69E-11	1.11E-10	8.8E-11	6.39E-14	1.54E-12	1.16E-13	1.72293E-12	1.196E-07	2.1203E-05	2.65E-06	3.77562E-11	2.58252E-13	1.88453E-11	4.2967E-14
258	571350.6	4178199	0.55, 41781	1.66907	1.18291	1.84305	207.71058	67.17721	304.96385	28.41822	15.5683	43.42728	9.33E-08	1.54E-05	2.2E-06	2.88E-11	8.69E-11	6.87E-11	4.98E-14	1.2E-12	9.06E-14	1.34366E-12	9.329E-08	1.5435E-05	2.2E-06	2.94448E-11	2.01402E-13	1.46968E-11	3.3509E-14
259	571390.6	4178199	0.55, 41781	1.33874	0.99933	1.42084	175.53523	63.93291	243.3206	26.80029	13.20173	40.55343	7.19E-08	1.23E-05	2.05E-06	2.22E-11	6.7E-11	5.29E-11	3.84E-14	9.28E-13	6.98E-14	1.03587E-12	7.192E-08	1.2315E-05	2.05E-06	2.26999E-11	1.55267E-13	1.13302E-11	2.5833E-14
260	571430.6	4178199	0.55, 41781	1.08215	0.84466	1.12094	146.49279	60.30749	207.71024	24.41546	11.02968	34.61837	5.67E-08	1.05E-05	1.75E-06	1.75E-11	5.29E-11	4.18E-11	3.03E-14	7.32E-13	5.51E-14	8.17235E-13	5.674E-08	1.0513E-05	1.75E-06	1.79088E-11	1.22496E-13	8.93886E-12	2.0381E-14
261	571470.6	4178199	0.55, 41781	0.88511	0.71494	0.90372	129.54701	55.96987	172.11269	21.59117	9.33698	28.68545	4.57E-08	8.71E-06	1.45E-06	1.41E-11	4.26E-11	3.37E-11	2.44E-14	5.9E-13	4.44E-14	6.58874E-13	4.575E-08	8.7114E-06	1.45E-06	1.44385E-11	9.87594E-14	7.20672E-12	1.6431E-14
262	571510.6	4178199	0.55, 41781	0.73336	0.60746	0.74181	112.64977	51.14316	142.69265	18.77496	8.40942	23.78211	3.76E-08	7.22E-06	1.2E-06	1.16E-11	3.5E-11	2.76E-11	2.01E-14	4.84E-13	3.65E-14	5.40835E-13	3.755E-08	7.2224E-06	1.2E-06	1.18518E-11	8.10663E-14	5.91561E-12	1.3488E-14
263	571550.6	4178199	0.55, 41781	0.6189	0.52125	0.62191	97.68282	46.08498	120.36205	16.28047	7.59304	20.06034	3.15E-08	6.09E-06	1.02E-06	9.71E-12	2.93E-11	2.32E-11	1.68E-14	4.06E-13	3.06E-14	4.53421E-13	3.148E-08	6.0922E-06	1.02E-06	9.93622E-12	6.79637E-14	4.95949E-12	1.1308E-14
264	571590.6	4178199	0.55, 41781	0.52714	0.45016	0.52751	84.87826	41.93857	102.67653	14.14638	6.8553	17.11275	2.67E-08	5.2E-06	8.66E-07	8.24E-12	2.49E-11	1.97E-11	1.43E-14	3.44E-13	2.59E-14	3.84597E-13	2.67E-08	5.1971E-06	8.66E-07	8.42803E-12	5.76477E-14	4.2067E-12	9.5913E-15
265	570310.6	4178239	0.55, 41782	0.10871	0.07725	0.10419	69.36135	22.19632	77.30253	9.49069	3.20395	10.55794	5.27E-09	3.91E-06	5.34E-07	1.63E-12	4.91E-12	3.88E-12	2.82E-15	6.8E-14	5.12E-15	7.59609E-14	5.274E-09	3.9126E-06	5.34E-07	1.6646E-12	1.13859E-14	8.30855E-13	1.8943E-15
266	570350.6	4178239	0.55, 41782	0.12097	0.08699	0.11543	80.24676	23.95533	77.73127	10.03084	3.79637	10.6184	5.84E-09	3.93E-06	5.38E-07	1.8E-12	5.44E-12	4.3E-12	3.12E-15	7.54E-14	5.67E-15	8.41558E-14	5.843E-09	3.9344E-06	5.38E-07	1.84418E-12	1.26142E-14	9.20491E-13	2.0987E-15
267	570390.6	4178239	0.55, 41782	0.13576	0.09875	0.129	97.68381	28.15369	96.07123	12.21048	4.56788	12.0089	6.53E-09	4.86E-06	6.08E-07	2.02E-12	6.08E-12	4.81E-12	3.49E-15	8.42E-14	6.34E-15	9.40495E-14	6.53E-09	4.8626E-06	6.08E-07	2.06099E-12	1.40972E-14	1.02871E-12	2.3455E-15
268	570430.6	4178239	0.55, 41782	0.15369	0.11303	0.14573	112.57412	32.01468	119.02369	14.07177	5.30028	14.87796	7.38E-09	6.02E-06	7.53E-07	2.28E-12	6.87E-12	5.43E-12	3.94E-15	9.51E-14	7.16E-15	1.06247E-13	7.377E-09	6.0243E-06	7.53E-07	2.32829E-12	1.59255E-14	1.16212E-12	2.6496E-15
269	570470.6	4178239	0.55, 41782	0.17542	0.1305	0.16624	120.86213	35.6675	135.90431	15.10777	5.94458	16.98804	8.42E-09	6.88E-06	8.6E-07	2.6E-12	7.84E-12	6.19E-12	4.49E-15	1.09E-13	8.17E-15	1.21201E-13	8.415E-09	6.8787E-06	8.6E-07	2.65598E-12	1.81669E-14	1.32568E-12	3.0226E-15
270	570510.6	4178239	0.55, 41782	0.20166	0.15208	0.19089	118.29832	38.86505	139.27939	14.78729	6.47751	17.40992	9.66E-09	7.05E-06	8.81E-07	2.98E-12	9E-12	7.11E-12	5.16E-15	1.25E-13	9.38E-15	1.39172E-13	9.663E-09	7.0495E-06	8.81E-07	3.04981E-12	2.08607E-14	1.52226E-12	3.4708E-15
271	570550.6	4178239	0.55, 41782	0.23297	0.17899	0.21994	134.82021	41.51275	155.81716	16.85253	6.91879	19.47714	1.11E-08	7.89E-06	9.86E-07	3.44E-12	1.04E-11	8.19E-12	5.94E-15	1.44E-13	1.08E-14	1.60353E-13	1.113E-08	7.8865E-06	9.86E-07	3.51395E-12	2.40354E-14	1.75393E-12	3.999E-15
272	570590.6	4178239	0.55, 41782	0.26933	0.21289	0.25402	138.182	44.61865	161.93184	17.27275	7.89914	20.24148	1.29E-08	8.2E-06	1.02E-06	3.97E-12	1.2E-11	9.46E-12	6.87E-15	1.66E-13	1.25E-14	1.85201E-13	1.286E-08	8.196E-06	1.02E-06	4.05847E-12	2.77599E-14	2.02571E-12	4.6186E-15
273	570630.6	4178239	0.55, 41782	0.31001	0.25571	0.29378	151.57706	47.88426	180.12829	18.94713	9.37801	22.51604	1.49E-08	9.12E-06	1.14E-06	4.59E-12	1.39E-11	1.09E-11	7.94E-15	1.92E-13	1.44E-14	2.14191E-13	1.487E-08	9.117E-06	1.14E-06	4.69375E-12	3.21053E-14	2.3428E-12	5.3416E-15
274	570670.6	4178239	0.55, 41782	0.35129	0.30919	0.33746	163.01094	51.1286	193.67566	20.37637	10.66356	24.20946	1.71E-08	9.8E-06	1.23E-06	5.27E-12	1.59E-11	1.26E-11	9.12E-15	2.2E-13	1.66E-14	2.4604E-13	1.708E-08	9.8027E-06	1.23E-06	5.39169E-12	3.68792E-14	2.69116E-12	6.1359E-15
275	570710.6	4178239	0.55, 41782	0.3879	0.37553	0.37852	161.77129	55.27243	215.9147	21.46966	11.91574	26.98934	1.92E-08	1.09E-05	1.37E-06	5.91E-12	1.79E-11	1.41E-11	1.02E-14	2.47E-13	1.86E-14	2.75981E-13	1.916E-08	1.0928E-05	1.37E-06	6.04783E-12	4.13671E-14	3.01866E-12	6.8826E-15
276	570750.6	4178239	0.55, 41782	0.41955	0.45853	0.40652	185.09687	61.2613	243.75059	24.33831	15.0229	31.56234	2.06E-08	1.23E-05	1.6E-06	6.35E-12	1.92E-11	1.51E-11	1.1E-14	2.65E-13	2E-14	2.96406E-13	2.058E-08	1.2337E-05	1.6E-06	6.49542E-12	4.44287E-14	3.24207E-12	7.3919E-15
277	570790.6	4178239	0.55, 41782	0.45531	0.56517	0.42739	195.76674	71.16962	229.68596	30.0466	17.67317	35.54387	2.16E-08	1.16E-05	1.8E-06	6.68E-12	2.02E-11	1.59E-11	1.16E-14	2.79E-13	2.1E-14	3.11638E-13	2.164E-08	1.1625E-05	1.8E-06	6.82921E-12	4.67118E-14	3.40868E-12	7.7718E-15
278	570830.6	4178239	0.55, 41782	0.51729	0.70869	0.46924	186.14136	86.93814	313.42291	30.32646	20.0795	44.72862	2.38E-08	1.59E-05	2.26E-06	7.33E-12	2.21E-11	1.75E-11	1.27E-14	3.06E-13	2.31E-14	3.4217E-13	2.376E-08	1.5864E-05	2.26E-06	7.49829E-12	5.12883E-14	3.74263E-12	8.5332E-15
279	570870.6	4178239	0.55, 41782	0.63421	0.91745	0.53024	225.98347	96.3139	311.28977	37.66391	24.81387	41.34654	2.68E-08	1.58E-05	2.09E-06	8.28E-12	2.5E-11	1.98E-11	1.43E-14	3.46E-13	2.61E-14	3.86673E-13	2.685E-08	1.5756E-05	2.09E-06	8.47353E-12	5.79589E-14	4.22941E-12	9.643E-15
280	570910.6	4178239	0.55, 41782	0.85302	1.23442	0.65693	293.13359	117.47886	326.7744	47.06613	30.6738	48.00957	3.33E-08	1.65E-05	2.43E-06	1.03E-11	3.1E-11	2.45E-11	1.78E-14	4.29E-13	3.23E-14	4.7908E-13	3.326E-08	1.654E-05	2.43E-06	1.04985E-11	7.18098E-14	5.24014E-12	1.1948E-14
281	570950.6	4178239	0.55, 41782	1.35023	1.79208	0.88884	455.80102	142.22416	478.03953	68.40553	39.86266	68.50221	4.5E-08	2.42E-05	3.47E-06	1.39E-11	4.19E-11	3.31E-11	2.4E-14	5.81E-13	4.37E-14	6.48231E-13	4.501E-08	2.4196E-05	3.47E-06	1.42053E-11	9.71641E-14	7.09031E-12	1.6166E-14
282	570990.6	4178239	0.55, 41782	3.0182	3.06414	1.32054	885.93977	193.04223	771.54657	147.1874	58.20401	96.44332	6.69E-08	3.91E-05	4.88E-06	2.06E-11	6.23E-11	4.92E-11	3.57E-14	8.63E-13	6.49E-14	9.63163E-13	6.687E-08	3.9051E-05	4.88E-06	2.11067E-11	1.4437E-13	1.0535E-11	2.402E-14
283	571030.6	4178239	0.55, 41782	7.70332	4.46365	2.30139	679.65913	243.63294	1123.21669	144.28562	71.78775	156.8655	1.17E-07	5.68E-05	7.94E-06	3.6E-11	1.09E-10	8.58E-11	6.22E-14	1.5E-12	1.13E-13	1.67846E-12	1.165E-07	5.6849E-05	7.94E-06	3.67816E-11	2.51586E-13	1.83589E-11	4.1858E-14
284	571110.6	4178239	0.55, 41782	48.37684	13.76668	3.52906	1082.14109	288.2044	2417.61379	441.33003	115.9324	328.07057	1.79E-07	0.000122	1.66E-05	5.52E-11	1.67E-10	1.32E-10	9.55E-14	2.31E-12	1.74E-13	2.57581E-12	1.788E-07	0.00012236	1.66E-05	5.64461E-11	3.86091E-13	2.8174E-11	6.4237E-14
285	571150.6	4178239	0.55, 41782	14.38318	6.22649	4.84511	550.93904	192.81003	1871.63269	147.46183	59.89562	339.77194	2.45E-07	9.47E-05	1.72E-05	7.57E-11	2.29E-10	1.81E-10	1.31E-13	3.16E-12	2.38E-13	3.53305E-12	2.453E-07	9.4726E-05	1.72E-05	7.74228E-11	5.29572E-13	3.86442E-11	8.8109E-14
286	571190.6	4178239	0.55, 41782	8.08563	4.10425	7.76231	423.01159	138.20819	1326.9025	88.76631	43.45879	203.98194	3.93E-07	6.72E-05	1.03E-05	1.21E-10	3.66E-10	2.89E-10	2.1E-13	5.07E-12	3.81E-13	5.6589E-12	3.929E-07	6.7156E-05	1.03E-05	1.24009E-10	8.48219E-13	6.18967E-11	1.4112E-13
287	571230.6	4178239	0.55, 41782	5.48613	3.01374	6.36519	364.79857	99.98669	820.37732	64.1708	32.88659	114.5851	3.22E-07	4.15E-05	5.8E-06	9.94E-11	3E-10	2.37E-10	1.72E-13	4.16E-12	3.13E-13	4.64028E-12	3.222E-07	4.1521E-05	5.8E-06	1.01687E-10	6.95537E-13	5.07551E-11	1.1572E-13
288	571270.6	4178239	0.55, 41782	3.91656	2.30583	4.21608	308.69657	91.16262	501.73471	42.97299	25.31404	83.35946	2.13E-07	2.54E-05	4.22E-06	6.59E-11	1.99E-10	1.57E-10	1.14E-13	2.75E-12	2.07E-13	3.07362E-12	2.134E-07	2.5394E-05	4.22E-06	6.73551E-11	4.60709E-13	3.36191E-11	7.6652E-14
289	571310.6	4178239	0.55, 41782	2.81911	1.80691	2.86031	238.76095	82.99282	368.88984	36.57222	19.65898	61.48164	1.45E-07	1.87E-05	3.11E-06	4.47E-11	1.35E-10	1.07E-10	7.73E-14	1.87E-12	1.41E-13	2.08528E-12	1.448E-07	1.8671E-05	3.11E-06	4.56967E-11	3.12565E-13	2.28087E-11	5.2004E-14
290	571350.6	4178239	0.55, 41782	2.07392	1.43877	2.07081	186.98174	75.01218	257.12826	31.16362	15.62493	42.85471	1.05E-07	1.3E-05	2.17E-06	3.23E-11	9.77E-11	7.71E-11	5.6E-14	1.35E-12	1.02E-13	1.50973E-12	1.048E-07	1.3014E-05	2.17E-06	3.3084E-11	2.26295E-13	1.65133E-11	3.765E-14
291	571390.6	4178239	0.55, 41782	1.57003	1.1589	1.56847	153.36435	67.14235	200.39228	25.56072	13.28221	31.13336	7.94E-08	1.01E-05	1.58E-06	2.45E-11	7.4E-11	5.84E-11	4.24E-14	1.02E-12	7.71E-14	1.14351E-12	7.94E-08	1.0143E-05	1.58E-06	2.50587E-11	1.71402E-13	1.25076E-11	2.8517E-14
292	571430.6	4178239	0.55, 41782	1.23548	0.94866	1.2378	124.99719	59.46648	164.5542	20.83286	11.6734	24.18073	6.27E-08	8.33E-06	1.22E-06	1.93E-11	5.84E-11	4.61E-11	3.35E-14	8.08E-13	6.08E-14	9.02437E-13	6.266E-08	8.3289E-06	1.22E-06	1.97759E-11	1.35267E-13	9.87079E-12	2.2505E-14
293	571470.6	4178239	0.55, 41782	0.99131	0.7845	0.9961	109.3041	54.21436	142.14876	17.2339	10.26711	19.9293	5.04E-08	7.19E-06	1.01E-06	1.56E-11	4.7E-11	3.71E-11	2.69E-14	6.5E-13	4.9E-14	7.26225E-13	5.042E-08	7.1949E-06	1.01E-06	1.59144E-11	1.08855E-13	7.9434E-12	1.8111E-14
294	571510.6	4178239	0.55, 41782	0.81688	0.65976	0.82266	100.30585	50.40167	129.05875	14.55844	9.03737	16.96469	4.16E-08	6.53E-06	8.59E-07	1.29E-11	3.88E-11	3.06E-11	2.22E-14	5.37E-13	4.04E-14	5.99778E-13	4.164E-08	6.5324E-06	8.59E-07	1.31435E-11	8.99014E-14	6.56033E-12	1.4958E-14
295	571550.6	4178239	0.55, 41782	0.68618	0.56281	0.69258	92.19218	46.80105	116.817	12.52836	7.96128	14.60636	3.51E-08	5.91E-06	7.39E-07	1.08E-11	3.27E-11	2.58E-11	1.87E-14	4.52E-13	3.4E-14	5.04942E-13	3.506E-08	5.9128E-06	7.39E-07	1.10652E-11	7.56862E-14	5.52301E-12	1.2592E-14
296	571590.6	4178239	0.55, 41782	0.57854	0.48285	0.58537	84.94405	43.3686	105.85184	10.89629	7.01254	13.23148	2.96E-08	5.36E-06	6.7E-07	9.14E-12	2.76E-11	2.18E-11	1.58E-14	3.82E-13	2.88E-14	4.26779E-13	2.963E-08	5.3578E-06	6.7E-07	9.35239E-12	6.39704E-14	4.66808E-12	1.0643E-14
297	570310.6	4178279	0.55, 41782	0.11004	0.07807	0.10589	74.04292	22.79319	77.67346	10.17864	3.64675	10.70288	5.36E-09	3.93E-06	5.42E-07	1.65E-12	4.99E-12	3.94E-12	2.86E-15	6.91E-14	5.2E-15	7.72002E-14	5.36E-09	3.9314E-06	5.42E-07	1.69176E-12	1.15716E-14	8.44411E-13	1.9253E-15
298	570350.6	4178279	0.55, 41782	0.12249	0.08802	0.11726	80.9847	23.74961	88.18196	11.08549	3.81596	12.05595	5.94E-09	4.46E-06	6.1E-07	1.83E-12	5.53E-12	4.37E-12	3.17E-15	7.66E-14	5.76E-15	8.54899E-14	5.936E-09	4.4633E-06	6.1E-07	1.87342E-12	1.28142E-14	9.35083E-13	2.132E-15
299	570390.6	4178279	0.55, 41782	0.13757	0.10016	0.13084	86.03589	24.80698	96.47388	11.74551	4.00404	13.13274	6.62E-09	4.88E-06	6.65E-07	2.04E-12	6.17E-12	4.87E-12	3.54E-15	8.54E-14	6.43E-15	9.5391E-14	6.623E-09	4.8829E-06	6.65E-07	2.09039E-12	1.42983E-14	1.04338E-12	2.3789E-15
300	570430.6	4178279	0.55, 41782	0.15607	0.11514	0.14747	96.31741	27.84204	100.58043	12.03968	4.46456	13.6645	7.47E-09	5.09E-06	6.92E-07	2.3E-12	6.96E-12	5.49E-12	3.99E-15	9.63E-14	7.25E-15	1.07516E-13	7.465E-09	5.0908E-06	6.92E-07	2.35609E-12	1.61157E-14	1.176E-12	2.6813E-15
301	570470.6	4178279	0.55, 41782	0.17907	0.13378	0.16835	120.52086	33.01708	119.41006	15.06511	5.41696	14.92626	8.52E-09	6.04E-06	7.56E-07	2.63E-12	7.94E-12	6.27E-12	4.55E-15	1.1E-13	8.27E-15	1.22739E-13	8.522E-09	6.0439E-06	7.56E-07	2.68969E-12	1.83975E-14	1.34251E-12	3.0609E-15
302	570510.6	4178279	0.55, 41782	0.20795	0.15724	0.19497	141.57577	37.85068	153.41811	17.69697	6.30845	19.17726	9.87E-09	7.77E-06	9.71E-07	3.05E-12	9.2E-12	7.26E-12	5.27E-15	1.27E-13	9.58E-15	1.42147E-13	9.87E-09	7.7651E-06	9.71E-07	3.11501E-12	2.13066E-14	1.5548E-12	3.5449E-15
303	570550.6	4178279	0.55, 41782	0.24435	0.18714	0.22876	153.17347	42.50173	177.88461	19.14668	7.08362	22.23558	1.16E-08	9E-06	1.13E-06	3.57E-12	1.08E-11	8.52E-12	6.18E-15	1.49E-13	1.12E-14	1.66783E-13	1.158E-08	9.0034E-06	1.13E-06	3.65487E-12	2.49993E-14	1.82426E-12	4.1593E-15
304	570590.6	4178279	0.55, 41782	0.28993	0.22577	0.27077	157.86485	46.41285	177.78268	19.73311	7.73548	22.22284	1.37E-08	9E-06	1.12E-06	4.23E-12	1.28E-11	1.01E-11	7.32E-15	1.77E-13	1.33E-14	1.97413E-13	1.371E-08	8.9983E-06	1.12E-06	4.32608E-12	2.95904E-14	2.15929E-12	4.9232E-15
305	570630.6	4178279	0.55, 41782	0.34541	0.27631	0.32199	169.89337	50.77009	212.69617	21.23667	9.57894	26.58702	1.63E-08	1.08E-05	1.35E-06	5.03E-12	1.52E-11	1.2E-11	8.7E-15	2.1E-13	1.58E-14	2.34757E-13	1.63E-08	1.0765E-05	1.35E-06	5.14445E-12	3.51881E-14	2.56776E-12	5.8545E-15
306	570670.6	4178279	0.55, 41782	0.40869	0.34273	0.38328	189.16159	55.36754	226.13934	23.6452	11.64813	28.26742	1.94E-08	1.14E-05	1.43E-06	5.99E-12	1.81E-11	1.43E-11	1.04E-14	2.5E-13	1.88E-14	2.79445E-13	1.94E-08	1.1446E-05	1.43E-06	6.12374E-12	4.18864E-14	3.05655E-12	6.9689E-15
307	570710.6	4178279	0.55, 41782	0.47241	0.42944	0.45188	202.37611	59.97812	249.97635	25.29701	13.4468	31.24704	2.29E-08	1.27E-05	1.58E-06	7.06E-12	2.13E-11	1.68E-11	1.22E-14	2.95E-13	2.22E-14	3.29465E-13	2.288E-08	1.2652E-05	1.58E-06	7.21987E-12	4.93839E-14	3.60367E-12	8.2164E-15
308	570750.6	4178279	0.55, 41782	0.52143	0.53099	0.51003	207.36077	66.44988	280.46815	28.38204	16.35494	35.05852	2.58E-08	1.42E-05	1.77E-06	7.97E-12	2.41E-11	1.9E-11	1.38E-14	3.33E-13	2.51E-14	3.7187E-13	2.582E-08	1.4195E-05	1.77E-06	8.14913E-12	5.57401E-14	4.06749E-12	9.2739E-15
309	570790.6	4178279	0.55, 41782	0.56782	0.69623	0.54766	217.33897	75.80804	318.83899	33.24185	20.36018	42.96761	2.77E-08	1.61E-05	2.18E-06	8.56E-12	2.58E-11	2.04E-11	1.48E-14	3.58E-13	2.69E-14	3.9933E-13	2.773E-08	1.6138E-05	2.18E-06	8.75088E-12	5.9856E-14	4.36784E-12	9.9587E-15
310	570830.6	4178279	0.55, 41782	0.62461	0.91706	0.58168	236.67869	94.57659	403.572	34.09074	24.90976	60.93237	2.95E-08	2.04E-05	3.08E-06	9.09E-12	2.74E-11	2.17E-11	1.57E-14	3.8E-13	2.86E-14	4.24168E-13	2.945E-08	2.0426E-05	3.08E-06	9.29518E-12	6.3579E-14	4.63952E-12	1.0578E-14
311	570870.6	4178279	0.55, 41782	0.74364	1.27032	0.64347	232.57719	121.10786	430.4482	38.76287	29.17824	53.80602	3.26E-08	2.18E-05	2.72E-06	1.01E-11	3.04E-11	2.4E-11	1.74E-14	4.2E-13	3.16E-14	4.69273E-13	3.258E-08	2.1787E-05	2.72E-06	1.02836E-11	7.03399E-14	5.13288E-12	1.1703E-14
312	570910.6	4178279	0.55, 41782	0.98087	1.94043	0.78377	289.58181	139.00222	423.1545	48.26363	45.30681	59.61258	3.97E-08	2.14E-05	3.02E-06	1.22E-11	3.7E-11	2.92E-11	2.12E-14	5.12E-13	3.85E-14	5.71664E-13	3.969E-08	2.1418E-05	3.02E-06	1.25274E-11	8.56874E-14	6.25282E-12	1.4256E-14
313	570950.6	4178279	0.55, 41782	1.54705	3.33468	1.05206	380.89662	209.14004	464.4183	63.48277	60.99964	77.40305	5.33E-08	2.35E-05	3.92E-06	1.64E-11	4.96E-11	3.92E-11	2.85E-14	6.87E-13	5.17E-14	7.67485E-13	5.329E-08	2.3507E-05	3.92E-06	1.68186E-11	1.15039E-13	8.3947E-12	1.914E-14
314	571150.6	4178279	0.55, 41782	125.5821	15.27099	61.53709	2183.625	235.47088	4321.7852	1020.3296	115.3363	966.08792	3.11E-06	0.000219	4.89E-05	9.61E-10	2.9E-09	2.29E-09	1.66E-12	4.02E-11	3.02E-12	4.48601E-11	3.115E-06	0.00021873	4.89E-05	9.8306E-10	6.72413E-12	4.90677E-10	1.1187E-12
315	571190.6	4178279	0.55, 41782	19.14498	7.50998	20.68123	704.1647	157.76938	1300.13062	186.41477	61.8786	262.75525	1.05E-06	6.58E-05	1.33E-05	3.23E-10	9.75E-10	7.7E-10	5.59E-13	1.35E-11	1.02E-12	1.50764E-11	1.047E-06	6.5802E-05	1.33E-05	3.30383E-10	2.25982E-12	1.64905E-10	3.7598E-13
316	571230.6	4178279	0.55, 41782	9.41744	4.44398	9.68706	418.2482	120.63814	710.71948	87.01567	39.51148	138.35634	4.9E-07	3.6E-05	7E-06	1.51E-10	4.57E-10	3.61E-10	2.62E-13	6.32E-12	4.76E-13	7.06196E-12	4.903E-07	3.5971E-05	7E-06	1.54755E-10	1.05852E-12	7.72432E-11	1.7611E-13
317	571270.6	4178279	0.55, 41782	5.33507	3.02277	5.65407	265.61255	99.06709	486.13138	58.88721	29.56115	89.94232	2.86E-07	2.46E-05	4.55E-06	8.83E-11	2.67E-10	2.11E-10	1.53E-13	3.69E-12	2.78E-13	4.12194E-12	2.862E-07	2.4604E-05	4.55E-06	9.03279E-11	6.17843E-13	4.50855E-11	1.0279E-13
318	571310.6	4178279	0.55, 41782	3.44949	2.20529	3.73581	197.38222	83.78037	349.19747	42.40574	23.44903	62.97539	1.89E-07	1.77E-05	3.19E-06	5.84E-11	1.76E-10	1.39E-10	1.01E-13	2.44E-12	1.84E-13	2.72352E-12	1.891E-07	1.7674E-05	3.19E-06	5.96831E-11	4.08232E-13	2.97897E-11	6.7921E-14
319	571350.6	4178279	0.55, 41782	2.42474	1.67304	2.63741	164.77993	74.08708	262.11907	31.82391	19.20475	45.98547	1.34E-07	1.33E-05	2.33E-06	4.12E-11	1.24E-10	9.83E-11	7.13E-14	1.72E-12	1.3E-13	1.92278E-12	1.335E-07	1.3267E-05	2.33E-06	4.21355E-11	2.88207E-13	2.10312E-11	4.7951E-14
320	571390.6	4178279	0.55, 41782	1.80332	1.30805	1.94946	139.62437	66.18564	204.22507	24.75802	16.07748	34.84377	9.87E-08	1.03E-05	1.76E-06	3.05E-11	9.19E-11	7.26E-11	5.27E-14	1.27E-12	9.58E-14	1.42125E-12	9.868E-08	1.0337E-05	1.76E-06	3.11451E-11	2.13032E-13	1.55455E-11	3.5444E-14
321	571430.6	4178279	0.55, 41782	1.38872	1.04688	1.49158	120.07885	59.47148	164.54693	19.78612	13.66223	27.17412	7.55E-08	8.33E-06	1.38E-06	2.33E-11	7.03E-11	5.56E-11	4.03E-14	9.74E-13	7.33E-14	1.08744E-12	7.55E-08	8.3286E-06	1.38E-06	2.383E-11	1.62998E-13	1.18943E-11	2.7119E-14
322	571470.6	4178279	0.55, 41782	1.11171	0.86066	1.18684	104.95004	53.66694	136.91558	16.34545	11.81303	21.87493	6.01E-08	6.93E-06	1.11E-06	1.85E-11	5.6E-11	4.42E-11	3.21E-14	7.75E-13	5.83E-14	8.65273E-13	6.008E-08	6.9301E-06	1.11E-06	1.89615E-11	1.29697E-13	9.4643E-12	2.1579E-14
323	571510.6	4178279	0.55, 41782	0.90331	0.71725	0.95952	92.95227	48.50847	116.77816	13.70064	10.27697	17.93941	4.86E-08	5.91E-06	9.08E-07	1.5E-11	4.53E-11	3.57E-11	2.59E-14	6.26E-13	4.72E-14	6.99548E-13	4.857E-08	5.9108E-06	9.08E-07	1.53298E-11	1.04856E-13	7.65161E-12	1.7446E-14
324	571550.6	4178279	0.55, 41782	0.74685	0.60641	0.79002	83.35854	43.88956	102.16829	11.6678	9.00306	14.97338	4E-08	5.17E-06	7.58E-07	1.23E-11	3.73E-11	2.94E-11	2.14E-14	5.16E-13	3.88E-14	5.75975E-13	3.999E-08	5.1714E-06	7.58E-07	1.26219E-11	8.63336E-14	6.29998E-12	1.4364E-14
325	571590.6	4178279	0.55, 41782	0.63093	0.52161	0.66513	75.57295	41.1264	91.05382	10.11638	7.96472	12.7323	3.37E-08	4.61E-06	6.45E-07	1.04E-11	3.14E-11	2.48E-11	1.8E-14	4.34E-13	3.27E-14	4.84924E-13	3.367E-08	4.6088E-06	6.45E-07	1.06266E-11	7.26859E-14	5.30407E-12	1.2093E-14
326	570310.6	4178319	0.55, 41783	0.1112	0.07908	0.10686	65.67409	25.12162	71.57917	10.72274	3.92383	11.92986	5.41E-09	3.62E-06	6.04E-07	1.67E-12	5.04E-12	3.98E-12	2.89E-15	6.98E-14	5.25E-15	7.79075E-14	5.409E-09	3.623E-06	6.04E-07	1.70726E-12	1.16776E-14	8.52146E-13	1.9429E-15
327	570350.6	4178319	0.55, 41783	0.12381	0.08915	0.11863	72.99363	26.3644	78.028	10.96785	4.13077	12.26515	6.01E-09	3.95E-06	6.21E-07	1.85E-12	5.6E-12	4.42E-12	3.21E-15	7.75E-14	5.83E-15	8.64888E-14	6.005E-09	3.9494E-06	6.21E-07	1.89531E-12	1.29639E-14	9.46008E-13	2.1569E-15
328	570390.6	4178319	0.55, 41783	0.13907	0.1015	0.13256	85.61577	27.73961	87.79758	11.84211	4.3586	12.34233	6.71E-09	4.44E-06	6.25E-07	2.07E-12	6.25E-12	4.94E-12	3.58E-15	8.65E-14	6.51E-15	9.6645E-14	6.71E-09	4.4439E-06	6.25E-07	2.11787E-12	1.44862E-14	1.0571E-12	2.4102E-15
329	570430.6	4178319	0.55, 41783	0.15783	0.11689	0.14946	97.99246	29.27563	105.83642	13.47747	4.61214	14.5399	7.57E-09	5.36E-06	7.36E-07	2.33E-12	7.05E-12	5.57E-12	4.04E-15	9.76E-14	7.35E-15	1.08967E-13	7.566E-09	5.3568E-06	7.36E-07	2.38788E-12	1.63331E-14	1.19187E-12	2.7175E-15
330	570470.6	4178319	0.55, 41783	0.18134	0.13633	0.17027	108.90086	31.01454	122.78	14.92794	4.89871	16.74752	8.62E-09	6.21E-06	8.48E-07	2.66E-12	8.03E-12	6.34E-12	4.6E-15	1.11E-13	8.37E-15	1.24139E-13	8.619E-09	6.2144E-06	8.48E-07	2.72037E-12	1.86074E-14	1.35783E-12	3.0958E-15
331	570510.6	4178319	0.55, 41783	0.21129	0.16124	0.19656	118.40452	33.29424	135.32696	15.9306	5.40834	18.39398	9.95E-09	6.85E-06	9.31E-07	3.07E-12	9.27E-12	7.32E-12	5.31E-15	1.28E-13	9.66E-15	1.43307E-13	9.95E-09	6.8494E-06	9.31E-07	3.14042E-12	2.14805E-14	1.56748E-12	3.5739E-15
332	570550.6	4178319	0.55, 41783	0.2503	0.19368	0.23096	153.9338	39.94632	153.89508	19.24172	6.62991	19.23689	1.17E-08	7.79E-06	9.74E-07	3.61E-12	1.09E-11	8.6E-12	6.24E-15	1.51E-13	1.14E-14	1.68388E-13	1.169E-08	7.7893E-06	9.74E-07	3.69004E-12	2.52399E-14	1.84182E-12	4.1993E-15
333	570590.6	4178319	0.55, 41783	0.30196	0.23671	0.27701	186.54438	46.61587	209.37606	23.31805	7.76931	26.17201	1.4E-08	1.06E-05	1.32E-06	4.33E-12	1.31E-11	1.03E-11	7.49E-15	1.81E-13	1.36E-14	2.01963E-13	1.402E-08	1.0597E-05	1.32E-06	4.4258E-12	3.02725E-14	2.20906E-12	5.0367E-15
334	570630.6	4178319	0.55, 41783	0.37105	0.29503	0.3391	205.0145	52.79857	247.59232	25.62681	8.79976	30.94904	1.72E-08	1.25E-05	1.57E-06	5.3E-12	1.6E-11	1.26E-11	9.17E-15	2.21E-13	1.67E-14	2.47233E-13	1.717E-08	1.2531E-05	1.57E-06	5.41784E-12	3.7058E-14	2.70422E-12	6.1656E-15
335	570670.6	4178319	0.55, 41783	0.462	0.37572	0.42024	218.45656	59.57781	273.51496	27.30707	11.98561	34.18937	2.13E-08	1.38E-05	1.73E-06	6.56E-12	1.98E-11	1.57E-11	1.14E-14	2.74E-13	2.07E-14	3.06393E-13	2.127E-08	1.3844E-05	1.73E-06	6.71426E-12	4.59256E-14	3.3513E-12	7.641E-15
336	570710.6	4178319	0.55, 41783	0.57218	0.48827	0.5224	242.44958	66.62286	291.17197	30.3062	15.15553	36.3965	2.64E-08	1.47E-05	1.84E-06	8.16E-12	2.46E-11	1.95E-11	1.41E-14	3.41E-13	2.57E-14	3.8088E-13	2.645E-08	1.4737E-05	1.84E-06	8.34658E-12	5.70906E-14	4.16604E-12	9.4986E-15
337	570750.6	4178319	0.55, 41783	0.67767	0.63416	0.63666	262.41203	72.71034	341.04886	32.8015	17.84948	42.63111	3.22E-08	1.73E-05	2.16E-06	9.95E-12	3E-11	2.37E-11	1.72E-14	4.16E-13	3.13E-14	4.64194E-13	3.223E-08	1.7262E-05	2.16E-06	1.01723E-11	6.95785E-14	5.07732E-12	1.1576E-14
338	570790.6	4178319	0.55, 41783	0.76041	0.85502	0.73352	285.66779	86.45349	381.79277	42.9347	23.67926	50.68659	3.71E-08	1.93E-05	2.57E-06	1.15E-11	3.46E-11	2.73E-11	1.98E-14	4.79E-13	3.61E-14	5.34837E-13	3.713E-08	1.9324E-05	2.57E-06	1.17204E-11	8.01673E-14	5.85001E-12	1.3338E-14
339	570830.6	4178319	0.55, 41783	0.82107	1.23378	0.77266	302.59427	109.05103	424.78874	45.07728	29.79255	65.49858	3.91E-08	2.15E-05	3.32E-06	1.21E-11	3.64E-11	2.88E-11	2.09E-14	5.05E-13	3.8E-14	5.63436E-13	3.912E-08	2.15E-05	3.32E-06	1.23471E-11	8.4454E-14	6.16282E-12	1.4051E-14
340	570870.6	4178319	0.55, 41783	0.93174	1.8881	0.81484	263.71888	150.69846	583.61	37.23183	42.82711	79.94464	4.13E-08	2.95E-05	4.05E-06	1.27E-11	3.84E-11	3.04E-11	2.2E-14	5.32E-13	4.01E-14	5.94301E-13	4.126E-08	2.9538E-05	4.05E-06	1.30235E-11	8.90804E-14	6.50042E-12	1.4821E-14
341	570910.6	4178319	0.55, 41783	1.19482	3.5981	0.94641	225.26352	195.84246	582.08496	37.31993	59.22953	72.76062	4.79E-08	2.95E-05	3.68E-06	1.48E-11	4.47E-11	3.53E-11	2.56E-14	6.18E-13	4.65E-14	6.90516E-13	4.794E-08	2.9462E-05	3.68E-06	1.51319E-11	1.03502E-13	7.55282E-12	1.722E-14
342	571190.6	4178319	0.55, 41783	29.13102	9.74239	24.19825	1204.46355	192.40018	1781.17361	337.10397	86.14095	400.692	1.22E-06	9.01E-05	2.03E-05	3.78E-10	1.14E-09	9.01E-10	6.54E-13	1.58E-11	1.19E-12	1.76406E-11	1.225E-06	9.0148E-05	2.03E-05	3.86575E-10	2.64417E-12	1.92952E-10	4.3993E-13
343	571230.6	4178319	0.55, 41783	10.45163	5.25398	11.58574	479.33008	117.37647	725.29291	126.19986	44.06446	185.38424	5.86E-07	3.67E-05	9.38E-06	1.81E-10	5.46E-10	4.32E-10	3.13E-13	7.56E-12	5.69E-13	8.44608E-12	5.864E-07	3.6709E-05	9.38E-06	1.85087E-10	1.26599E-12	9.23827E-11	2.1063E-13
344	571270.6	4178319	0.55, 41783	5.72808	3.4301	6.64009	292.22118	96.9874	479.91721	63.79547	33.00222	105.59121	3.36E-07	2.43E-05	5.34E-06	1.04E-10	3.13E-10	2.47E-10	1.79E-13	4.33E-12	3.26E-13	4.84074E-12	3.361E-07	2.429E-05	5.34E-06	1.0608E-10	7.25584E-13	5.29477E-11	1.2072E-13
345	571310.6	4178319	0.55, 41783	3.67711	2.43151	4.23514	175.48484	83.52768	339.71763	43.52526	25.92364	69.01312	2.14E-07	1.72E-05	3.49E-06	6.62E-11	2E-10	1.58E-10	1.14E-13	2.76E-12	2.08E-13	3.08753E-12	2.144E-07	1.7194E-05	3.49E-06	6.76599E-11	4.62794E-13	3.37712E-11	7.6998E-14
346	571350.6	4178319	0.55, 41783	2.57847	1.81872	2.91777	135.74456	73.58424	245.66728	31.86463	21.08438	47.561	1.48E-07	1.24E-05	2.41E-06	4.56E-11	1.38E-10	1.09E-10	7.89E-14	1.9E-12	1.43E-13	2.12716E-12	1.477E-07	1.2434E-05	2.41E-06	4.66144E-11	3.18843E-13	2.32668E-11	5.3048E-14
347	571390.6	4178319	0.55, 41783	1.91038	1.41202	2.12389	114.67965	65.84745	189.40245	24.95277	17.54375	35.6451	1.08E-07	9.59E-06	1.8E-06	3.32E-11	1E-10	7.91E-11	5.74E-14	1.39E-12	1.04E-13	1.54841E-12	1.075E-07	9.5866E-06	1.8E-06	3.39317E-11	2.32093E-13	1.69364E-11	3.8615E-14
348	571430.6	4178319	0.55, 41783	1.47151	1.12853	1.61377	100.57811	59.61061	161.57422	20.18585	14.84739	27.57311	8.17E-08	8.18E-06	1.4E-06	2.52E-11	7.61E-11	6.01E-11	4.36E-14	1.05E-12	7.93E-14	1.17652E-12	8.169E-08	8.1781E-06	1.4E-06	2.57822E-11	1.7635E-13	1.28687E-11	2.9341E-14
349	571470.6	4178319	0.55, 41783	1.16585	0.92218	1.2649	90.09229	54.43044	139.38169	16.69193	12.71837	21.87498	6.4E-08	7.05E-06	1.11E-06	1.98E-11	5.97E-11	4.71E-11	3.42E-14	8.26E-13	6.22E-14	9.22184E-13	6.403E-08	7.0548E-06	1.11E-06	2.02086E-11	1.38227E-13	1.00868E-11	2.2998E-14
350	571510.6	4178319	0.55, 41783	0.94595	0.76805	1.01773	81.52103	50.05282	121.69	14.06823	11.00608	17.76049	5.15E-08	6.16E-06	8.99E-07	1.59E-11	4.8E-11	3.79E-11	2.75E-14	6.64E-13	5E-14	7.41988E-13	5.152E-08	6.1594E-06	8.99E-07	1.62598E-11	1.11217E-13	8.11581E-12	1.8504E-14
351	571550.6	4178319	0.55, 41783	0.78212	0.64956	0.83556	74.38547	46.28731	107.35752	12.02264	9.59923	14.66288	4.23E-08	5.43E-06	7.42E-07	1.31E-11	3.94E-11	3.11E-11	2.26E-14	5.46E-13	4.11E-14	6.09178E-13	4.23E-08	5.434E-06	7.42E-07	1.33495E-11	9.13104E-14	6.66315E-12	1.5192E-14
352	571590.6	4178319	0.55, 41783	0.65442	0.55508	0.69496	68.29245	42.98116	95.34122	10.3334	8.40789	12.26582	3.52E-08	4.83E-06	6.21E-07	1.09E-11	3.28E-11	2.59E-11	1.88E-14	4.54E-13	3.42E-14	5.06674E-13	3.518E-08	4.8258E-06	6.21E-07	1.11032E-11	7.5946E-14	5.54197E-12	1.2636E-14
353	570310.6	4178359	0.55, 41783	0.11229	0.07993	0.10794	69.29068	26.58817	75.81746	11.54845	4.0095	12.46153	5.46E-09	3.84E-06	6.31E-07	1.69E-12	5.09E-12	4.02E-12	2.92E-15	7.05E-14	5.3E-15	7.86949E-14	5.464E-09	3.8375E-06	6.31E-07	1.72451E-12	1.17957E-14	8.60759E-13	1.9625E-15
354	570350.6	4178359	0.55, 41783	0.12531	0.09043	0.1201	75.30937	28.06345	82.61098	12.55156	4.25756	13.7685	6.08E-09	4.18E-06	6.97E-07	1.88E-12	5.66E-12	4.47E-12	3.25E-15	7.84E-14	5.9E-15	8.75605E-14	6.08E-09	4.1814E-06	6.97E-07	1.91879E-12	1.31245E-14	9.57731E-13	2.1836E-15
355	570390.6	4178359	0.55, 41783	0.14084	0.10296	0.13441	81.29058	29.71471	90.82388	13.54843	4.53386	15.13731	6.8E-09	4.6E-06	7.66E-07	2.1E-12	6.34E-12	5.01E-12	3.63E-15	8.78E-14	6.61E-15	9.79938E-14	6.804E-09	4.597E-06	7.66E-07	2.14743E-12	1.46884E-14	1.07185E-12	2.4438E-15
356	570430.6	4178359	0.55, 41783	0.15989	0.11858	0.15186	87.11605	31.54887	98.44842	14.51934	4.83992	16.40807	7.69E-09	4.98E-06	8.31E-07	2.37E-12	7.16E-12	5.66E-12	4.1E-15	9.91E-14	7.46E-15	1.10716E-13	7.687E-09	4.9829E-06	8.31E-07	2.42623E-12	1.65954E-14	1.21101E-12	2.7611E-15
357	570470.6	4178359	0.55, 41783	0.18374	0.13844	0.17326	97.3598	33.59814	106.34308	15.36354	5.1813	17.51553	8.77E-09	5.38E-06	8.87E-07	2.71E-12	8.17E-12	6.45E-12	4.68E-15	1.13E-13	8.52E-15	1.26319E-13	8.771E-09	5.3825E-06	8.87E-07	2.76814E-12	1.89341E-14	1.38167E-12	3.1502E-15
358	570510.6	4178359	0.55, 41783	0.21432	0.16421	0.20002	118.04415	35.93263	125.3205	16.48105	5.5698	18.1537	1.01E-08	6.34E-06	9.19E-07	3.12E-12	9.43E-12	7.45E-12	5.41E-15	1.31E-13	9.83E-15	1.4583E-13	1.013E-08	6.343E-06	9.19E-07	3.1957E-12	2.18586E-14	1.59508E-12	3.6368E-15
359	570550.6	4178359	0.55, 41783	0.25472	0.19842	0.23435	139.50155	38.63371	157.96544	19.4148	6.01971	21.81117	1.19E-08	8E-06	1.1E-06	3.66E-12	1.11E-11	8.73E-12	6.33E-15	1.53E-13	1.15E-14	1.7086E-13	1.186E-08	7.9952E-06	1.1E-06	3.74421E-12	2.56104E-14	1.86886E-12	4.261E-15
360	570590.6	4178359	0.55, 41783	0.30979	0.24497	0.28017	159.83108	41.83842	190.36526	22.23989	6.84975	26.13545	1.42E-08	9.64E-06	1.32E-06	4.38E-12	1.32E-11	1.04E-11	7.57E-15	1.83E-13	1.38E-14	2.04268E-13	1.418E-08	9.635E-06	1.32E-06	4.47631E-12	3.0618E-14	2.23427E-12	5.0941E-15
361	570630.6	4178359	0.55, 41783	0.38734	0.31015	0.34391	206.43147	51.05257	211.21178	25.80393	8.50876	28.98998	1.74E-08	1.07E-05	1.47E-06	5.37E-12	1.62E-11	1.28E-11	9.3E-15	2.25E-13	1.69E-14	2.50742E-13	1.741E-08	1.069E-05	1.47E-06	5.49474E-12	3.7584E-14	2.7426E-12	6.2531E-15
362	570670.6	4178359	0.55, 41783	0.50063	0.40488	0.43681	262.98595	60.70684	312.78941	32.87324	10.74505	39.09868	2.21E-08	1.58E-05	1.98E-06	6.82E-12	2.06E-11	1.63E-11	1.18E-14	2.85E-13	2.15E-14	3.18477E-13	2.211E-08	1.5831E-05	1.98E-06	6.97907E-12	4.77368E-14	3.48348E-12	7.9423E-15
363	570710.6	4178359	0.55, 41783	0.66972	0.54814	0.57453	304.17814	72.14807	380.66102	38.02227	15.71205	47.58263	2.91E-08	1.93E-05	2.41E-06	8.97E-12	2.71E-11	2.14E-11	1.55E-14	3.75E-13	2.82E-14	4.18891E-13	2.908E-08	1.9266E-05	2.41E-06	9.17954E-12	6.2788E-14	4.5818E-12	1.0447E-14
364	570750.6	4178359	0.55, 41783	0.90523	0.76876	0.77041	339.35657	85.82023	445.46467	44.72327	21.31802	55.68308	3.9E-08	2.25E-05	2.82E-06	1.2E-11	3.63E-11	2.87E-11	2.08E-14	5.03E-13	3.79E-14	5.61714E-13	3.9E-08	2.2546E-05	2.82E-06	1.23093E-11	8.41959E-14	6.14399E-12	1.4008E-14
365	570790.6	4178359	0.55, 41783	1.13154	1.06104	0.98839	377.53193	96.31599	507.3356	54.94081	27.90141	63.41695	5E-08	2.57E-05	3.21E-06	1.54E-11	4.66E-11	3.68E-11	2.67E-14	6.45E-13	4.86E-14	7.20658E-13	5.004E-08	2.5678E-05	3.21E-06	1.57924E-11	1.0802E-13	7.88251E-12	1.7972E-14
366	570830.6	4178359	0.55, 41783	1.33226	1.74963	1.18947	411.58415	139.14147	649.42864	69.46909	37.35577	97.59965	6.02E-08	3.29E-05	4.94E-06	1.86E-11	5.61E-11	4.43E-11	3.22E-14	7.77E-13	5.85E-14	8.67355E-13	6.022E-08	3.287E-05	4.94E-06	1.90071E-11	1.30009E-13	9.48706E-12	2.1631E-14
367	570870.6	4178359	0.55, 41783	1.45984	3.38436	1.19217	346.78431	184.49712	847.26971	52.43952	61.49528	124.03925	6.04E-08	4.29E-05	6.28E-06	1.86E-11	5.63E-11	4.44E-11	3.22E-14	7.79E-13	5.86E-14	8.69619E-13	6.038E-08	4.2883E-05	6.28E-06	1.90568E-11	1.30348E-13	9.51183E-12	2.1687E-14
368	571150.6	4178359	0.55, 41783	17.36196	17.82412	10.70274	1537.79423	258.8776	2153.28101	350.34789	128.93656	372.67701	5.42E-07	0.000109	1.89E-05	1.67E-10	5.05E-10	3.99E-10	2.89E-13	6.99E-12	5.26E-13	7.80486E-12	5.419E-07	0.00010898	1.89E-05	1.71035E-10	1.16988E-12	8.5369E-11	1.9464E-13
369	571190.6	4178359	0.55, 41783	10.35157	8.16971	8.42586	590.93034	162.31709	1380.32388	161.82999	76.08872	218.22557	4.27E-07	6.99E-05	1.1E-05	1.32E-10	3.97E-10	3.14E-10	2.28E-13	5.5E-12	4.14E-13	6.14335E-12	4.265E-07	6.986E-05	1.1E-05	1.34625E-10	9.20833E-13	6.71955E-11	1.5321E-13
370	571230.6	4178359	0.55, 41783	6.41954	4.85697	6.11014	429.96716	118.18476	649.38165	103.83364	47.29307	136.54892	3.09E-07	3.29E-05	6.91E-06	9.54E-11	2.88E-10	2.28E-10	1.65E-13	3.99E-12	3E-13	4.45473E-12	3.093E-07	3.2867E-05	6.91E-06	9.76205E-11	6.67724E-13	4.87255E-11	1.1109E-13
371	571270.6	4178359	0.55, 41783	4.24607	3.28764	4.46672	330.34534	97.41521	669.03521	71.25122	30.79427	101.30501	2.26E-07	3.39E-05	5.13E-06	6.98E-11	2.11E-10	1.66E-10	1.21E-13	2.92E-12	2.2E-13	3.2565E-12	2.261E-07	3.3861E-05	5.13E-06	7.13626E-11	4.8812E-13	3.56194E-11	8.1212E-14
372	571310.6	4178359	0.55, 41783	3.01802	2.39332	3.29044	280.32399	84.30249	476.5001	47.38187	23.6076	69.83839	1.67E-07	2.41E-05	3.54E-06	5.14E-11	1.55E-10	1.23E-10	8.89E-14	2.15E-12	1.62E-13	2.39892E-12	1.666E-07	2.4117E-05	3.54E-06	5.25696E-11	3.59576E-13	2.62392E-11	5.9825E-14
373	571350.6	4178359	0.55, 41783	2.25439	1.82521	2.47896	223.1696	75.03337	276.07803	32.74083	19.24184	47.29925	1.25E-07	1.4E-05	2.39E-06	3.87E-11	1.17E-10	9.24E-11	6.7E-14	1.62E-12	1.22E-13	1.80731E-12	1.255E-07	1.3973E-05	2.39E-06	3.96051E-11	2.70899E-13	1.97682E-11	4.5071E-14
374	571390.6	4178359	0.55, 41783	1.7395	1.43625	1.90839	164.0034	68.00709	177.73654	25.39154	16.17569	38.72375	9.66E-08	9E-06	1.96E-06	2.98E-11	9E-11	7.11E-11	5.16E-14	1.25E-12	9.38E-14	1.39133E-12	9.66E-08	8.9962E-06	1.96E-06	3.04895E-11	2.08548E-13	1.52183E-11	3.4698E-14
375	571430.6	4178359	0.55, 41783	1.37666	1.15767	1.50113	113.66708	62.41604	162.05892	21.33563	13.79366	30.03325	7.6E-08	8.2E-06	1.52E-06	2.34E-11	7.08E-11	5.59E-11	4.06E-14	9.8E-13	7.38E-14	1.09442E-12	7.599E-08	8.2027E-06	1.52E-06	2.3983E-11	1.64044E-13	1.19707E-11	2.7293E-14
376	571470.6	4178359	0.55, 41783	1.11313	0.95193	1.20554	91.64258	57.80687	139.39839	17.74486	11.89568	22.85385	6.1E-08	7.06E-06	1.16E-06	1.88E-11	5.69E-11	4.49E-11	3.26E-14	7.87E-13	5.92E-14	8.7892E-13	6.103E-08	7.0557E-06	1.16E-06	1.92606E-11	1.31742E-13	9.61357E-12	2.1919E-14
377	571510.6	4178359	0.55, 41783	0.9166	0.79605	0.98663	82.11168	53.90312	116.32041	14.64829	10.35284	20.08654	4.99E-08	5.89E-06	1.02E-06	1.54E-11	4.65E-11	3.68E-11	2.67E-14	6.44E-13	4.85E-14	7.19323E-13	4.994E-08	5.8877E-06	1.02E-06	1.57632E-11	1.0782E-13	7.86791E-12	1.7939E-14
378	571550.6	4178359	0.55, 41783	0.76622	0.67498	0.82026	72.9064	50.52239	102.58687	12.13868	9.07968	17.28494	4.15E-08	5.19E-06	8.75E-07	1.28E-11	3.87E-11	3.06E-11	2.22E-14	5.36E-13	4.03E-14	5.9803E-13	4.152E-08	5.1926E-06	8.75E-07	1.31052E-11	8.96394E-14	6.54121E-12	1.4914E-14
379	571590.6	4178359	0.55, 41783	0.64386	0.57575	0.68602	65.94968	47.48497	92.44167	10.99161	8.00686	15.40694	3.47E-08	4.68E-06	7.8E-07	1.07E-11	3.24E-11	2.56E-11	1.85E-14	4.48E-13	3.37E-14	5.00161E-13	3.473E-08	4.6791E-06	7.8E-07	1.09605E-11	7.49697E-14	5.47073E-12	1.2473E-14
380	570310.6	4178399	0.55, 41783	0.11287	0.08031	0.1093	71.34246	27.87564	79.43468	11.89041	3.82503	13.23911	5.53E-09	4.02E-06	6.7E-07	1.71E-12	5.16E-12	4.07E-12	2.95E-15	7.14E-14	5.37E-15	7.96863E-14	5.533E-09	4.0206E-06	6.7E-07	1.74624E-12	1.19443E-14	8.71603E-13	1.9873E-15
381	570350.6	4178399	0.55, 41783	0.12665	0.09175	0.12214	75.96419	29.57043	83.22909	12.46202	4.12173	13.80548	6.18E-09	4.21E-06	6.99E-07	1.91E-12	5.76E-12	4.55E-12	3.3E-15	7.97E-14	6E-15	8.90478E-14	6.183E-09	4.2127E-06	6.99E-07	1.95138E-12	1.33475E-14	9.73998E-13	2.2207E-15
382	570390.6	4178399	0.55, 41783	0.1425	0.10434	0.13672	83.29233	31.439	92.96873	13.04897	4.44958	14.404	6.92E-09	4.71E-06	7.29E-07	2.14E-12	6.45E-12	5.09E-12	3.7E-15	8.93E-14	6.72E-15	9.96778E-14	6.921E-09	4.7056E-06	7.29E-07	2.18433E-12	1.49408E-14	1.09027E-12	2.4858E-15
383	570430.6	4178399	0.55, 41783	0.16211	0.12032	0.15453	91.32735	33.521	103.76057	14.59534	4.81492	15.65812	7.82E-09	5.25E-06	7.93E-07	2.41E-12	7.29E-12	5.76E-12	4.18E-15	1.01E-13	7.59E-15	1.12663E-13	7.822E-09	5.2518E-06	7.93E-07	2.46888E-12	1.68872E-14	1.2323E-12	2.8096E-15
384	570470.6	4178399	0.55, 41783	0.18668	0.14051	0.17655	100.43451	35.89015	115.76296	16.57018	5.22899	18.35818	8.94E-09	5.86E-06	9.29E-07	2.76E-12	8.33E-12	6.58E-12	4.77E-15	1.15E-13	8.68E-15	1.28718E-13	8.937E-09	5.8593E-06	9.29E-07	2.8207E-12	1.92936E-14	1.4079E-12	3.21E-15
385	570510.6	4178399	0.55, 41783	0.21834	0.16684	0.20421	112.76596	38.62084	128.93318	18.79433	5.70408	21.48886	1.03E-08	6.53E-06	1.09E-06	3.19E-12	9.63E-12	7.61E-12	5.52E-15	1.33E-13	1E-14	1.48885E-13	1.034E-08	6.5259E-06	1.09E-06	3.26264E-12	2.23165E-14	1.62849E-12	3.713E-15
386	570550.6	4178399	0.55, 41783	0.26039	0.20212	0.2399	127.75395	41.82578	149.79254	21.29232	6.25899	24.96542	1.21E-08	7.58E-06	1.26E-06	3.75E-12	1.13E-11	8.94E-12	6.48E-15	1.57E-13	1.18E-14	1.74906E-13	1.214E-08	7.5816E-06	1.26E-06	3.83288E-12	2.62169E-14	1.91311E-12	4.3619E-15
387	570590.6	4178399	0.55, 41783	0.3185	0.25095	0.28739	144.10526	45.67081	172.10131	24.01754	7.17597	28.68355	1.45E-08	8.71E-06	1.45E-06	4.49E-12	1.36E-11	1.07E-11	7.77E-15	1.88E-13	1.41E-14	2.09532E-13	1.455E-08	8.7107E-06	1.45E-06	4.59167E-12	3.1407E-14	2.29185E-12	5.2254E-15
388	570630.6	4178399	0.55, 41783	0.40291	0.32135	0.35272	177.65061	50.39519	203.06539	27.05917	8.74903	32.05961	1.79E-08	1.03E-05	1.62E-06	5.51E-12	1.66E-11	1.31E-11	9.53E-15	2.3E-13	1.73E-14	2.57166E-13	1.786E-08	1.0278E-05	1.62E-06	5.63551E-12	3.85469E-14	2.81286E-12	6.4133E-15
389	570670.6	4178399	0.55, 41783	0.53348	0.4284	0.44753	224.79663	56.41372	278.51402	32.60934	10.76331	39.25369	2.27E-08	1.41E-05	1.99E-06	6.99E-12	2.11E-11	1.67E-11	1.21E-14	2.92E-13	2.2E-14	3.26296E-13	2.266E-08	1.4096E-05	1.99E-06	7.15041E-12	4.89088E-14	3.569E-12	8.1373E-15
390	570710.6	4178399	0.55, 41783	0.75271	0.60288	0.59636	297.96202	70.92072	361.49768	41.13122	14.0152	50.83456	3.02E-08	1.83E-05	2.57E-06	9.32E-12	2.81E-11	2.22E-11	1.61E-14	3.89E-13	2.93E-14	4.34815E-13	3.019E-08	1.8297E-05	2.57E-06	9.52849E-12	6.51748E-14	4.75597E-12	1.0844E-14
391	570750.6	4178399	0.55, 41783	1.15447	0.90762	0.85203	416.42427	90.04322	551.74774	52.05303	22.1169	68.96847	4.31E-08	2.79E-05	3.49E-06	1.33E-11	4.02E-11	3.17E-11	2.3E-14	5.56E-13	4.19E-14	6.21237E-13	4.313E-08	2.7925E-05	3.49E-06	1.36137E-11	9.31179E-14	6.79505E-12	1.5493E-14
392	570790.6	4178399	0.55, 41783	1.70092	1.35462	1.23288	632.44551	121.09647	736.15706	79.05569	31.00919	92.01963	6.24E-08	3.73E-05	4.66E-06	1.93E-11	5.82E-11	4.59E-11	3.33E-14	8.05E-13	6.06E-14	8.98933E-13	6.241E-08	3.7259E-05	4.66E-06	1.96991E-11	1.34742E-13	9.83246E-12	2.2418E-14
393	570830.6	4178399	0.55, 41783	3.46088	2.976	2.05541	854.46592	185.76652	929.26678	157.19416	64.23703	133.05669	1.04E-07	4.7E-05	6.74E-06	3.21E-11	9.7E-11	7.66E-11	5.56E-14	1.34E-12	1.01E-13	1.49881E-12	1.041E-07	4.7033E-05	6.74E-06	3.28447E-11	2.24658E-13	1.63939E-11	3.7378E-14
394	571110.6	4178399	0.55, 41783	4.7766	17.70794	5.53677	386.44752	237.89657	1139.86397	91.74551	117.26543	182.49582	2.8E-07	5.77E-05	9.24E-06	8.65E-11	2.61E-10	2.06E-10	1.5E-13	3.62E-12	2.72E-13	4.03907E-12	2.804E-07	5.7691E-05	9.24E-06	8.85118E-11	6.05421E-13	4.41791E-11	1.0073E-13
395	571150.6	4178399	0.55, 41783	4.75682	9.04164	4.75414	493.27775	194.83019	977.82769	91.47407	80.27894	179.74579	2.41E-07	4.95E-05	9.1E-06	7.43E-11	2.24E-10	1.77E-10	1.29E-13	3.1E-12	2.34E-13	3.46705E-12	2.407E-07	4.9491E-05	9.1E-06	7.59766E-11	5.1968E-13	3.79223E-11	8.6463E-14
396	571190.6	4178399	0.55, 41783	4.13591	5.67532	3.9763	541.83424	159.29594	784.3481	82.25115	55.55038	130.43816	2.01E-07	3.97E-05	6.6E-06	6.21E-11	1.88E-10	1.48E-10	1.07E-13	2.6E-12	1.95E-13	2.89946E-12	2.013E-07	3.9698E-05	6.6E-06	6.35384E-11	4.34603E-13	3.17141E-11	7.2308E-14
397	571230.6	4178399	0.55, 41783	3.34043	3.91116	3.41587	419.25179	113.41297	723.05548	67.92735	42.50701	103.29364	1.73E-07	3.66E-05	5.23E-06	5.34E-11	1.61E-10	1.27E-10	9.23E-14	2.23E-12	1.68E-13	2.49062E-12	1.729E-07	3.6596E-05	5.23E-06	5.45793E-11	3.73322E-13	2.72423E-11	6.2112E-14
398	571270.6	4178399	0.55, 41783	2.69096	2.84934	2.72459	276.99568	96.24025	620.23738	46.4546	32.10306	94.16047	1.38E-07	3.14E-05	4.77E-06	4.26E-11	1.29E-10	1.02E-10	7.36E-14	1.78E-12	1.34E-13	1.98654E-12	1.379E-07	3.1392E-05	4.77E-06	4.35328E-11	2.97765E-13	2.17286E-11	4.9541E-14
399	571310.6	4178399	0.55, 41783	2.15304	2.16763	2.23142	240.01182	84.08056	257.12386	39.08125	24.00367	52.53394	1.13E-07	1.3E-05	2.66E-06	3.49E-11	1.05E-10	8.31E-11	6.03E-14	1.46E-12	1.1E-13	1.62693E-12	1.13E-07	1.3014E-05	2.66E-06	3.56524E-11	2.43862E-13	1.77953E-11	4.0573E-14
400	571350.6	4178399	0.55, 41783	1.74135	1.70512	1.85867	224.12525	73.73672	326.22415	31.06226	18.34101	44.13622	9.41E-08	1.65E-05	2.23E-06	2.9E-11	8.77E-11	6.92E-11	5.02E-14	1.21E-12	9.13E-14	1.35514E-12	9.409E-08	1.6511E-05	2.23E-06	2.96964E-11	2.03123E-13	1.48224E-11	3.3795E-14
401	571390.6	4178399	0.55, 41783	1.43215	1.37481	1.54866	207.21833	64.01827	312.56807	26.21992	15.02288	39.07101	7.84E-08	1.58E-05	1.98E-06	2.42E-11	7.3E-11	5.77E-11	4.19E-14	1.01E-12	7.61E-14	1.12911E-12	7.84E-08	1.582E-05	1.98E-06	2.47431E-11	1.69243E-13	1.23501E-11	2.8158E-14
402	571430.6	4178399	0.55, 41783	1.19016	1.12906	1.29293	179.9524	59.14274	244.73255	22.49405	12.88734	30.59157	6.55E-08	1.24E-05	1.55E-06	2.02E-11	6.1E-11	4.82E-11	3.49E-14	8.44E-13	6.35E-14	9.42653E-13	6.545E-08	1.2387E-05	1.55E-06	2.06572E-11	1.41295E-13	1.03107E-11	2.3508E-14
403	571470.6	4178399	0.55, 41783	0.9966	0.93995	1.08271	146.8642	55.47011	170.50633	18.35802	11.23121	21.31329	5.48E-08	8.63E-06	1.08E-06	1.69E-11	5.11E-11	4.03E-11	2.93E-14	7.07E-13	5.32E-14	7.89384E-13	5.481E-08	8.6301E-06	1.08E-06	1.72985E-11	1.18322E-13	8.63423E-12	1.9686E-14
404	571510.6	4178399	0.55, 41783	0.8441	0.79417	0.91453	113.63796	52.27286	111.23462	14.20474	9.85599	18.36688	4.63E-08	5.63E-06	9.3E-07	1.43E-11	4.31E-11	3.41E-11	2.47E-14	5.97E-13	4.49E-14	6.66767E-13	4.63E-08	5.6303E-06	9.3E-07	1.46115E-11	9.99425E-14	7.29305E-12	1.6628E-14
405	571550.6	4178399	0.55, 41783	0.71988	0.67749	0.77601	84.04695	49.45688	81.90115	12.59546	8.65245	16.41022	3.93E-08	4.15E-06	8.31E-07	1.21E-11	3.66E-11	2.89E-11	2.1E-14	5.07E-13	3.81E-14	5.65776E-13	3.928E-08	4.1457E-06	8.31E-07	1.23984E-11	8.48047E-14	6.18841E-12	1.411E-14
406	571590.6	4178399	0.55, 41783	0.61846	0.58359	0.66441	61.25343	46.95039	82.40366	11.31778	7.65227	14.12983	3.36E-08	4.17E-06	7.15E-07	1.04E-11	3.13E-11	2.48E-11	1.8E-14	4.34E-13	3.27E-14	4.84411E-13	3.363E-08	4.1711E-06	7.15E-07	1.06153E-11	7.26088E-14	5.29845E-12	1.208E-14
407	570310.6	4178439	0.55, 41784	0.11265	0.08111	0.10949	78.47962	27.91467	88.7071	13.07994	3.48933	14.78452	5.54E-09	4.49E-06	7.48E-07	1.71E-12	5.16E-12	4.08E-12	2.96E-15	7.15E-14	5.38E-15	7.98249E-14	5.542E-09	4.4899E-06	7.48E-07	1.74928E-12	1.1965E-14	8.73119E-13	1.9907E-15
408	570350.6	4178439	0.55, 41784	0.12585	0.09139	0.12175	84.54471	29.62734	96.42477	14.09078	3.70342	16.0708	6.16E-09	4.88E-06	8.14E-07	1.9E-12	5.74E-12	4.54E-12	3.29E-15	7.95E-14	5.98E-15	8.87634E-14	6.163E-09	4.8805E-06	8.14E-07	1.94515E-12	1.33048E-14	9.70888E-13	2.2136E-15
409	570390.6	4178439	0.55, 41784	0.14252	0.10489	0.13706	91.50908	31.67143	105.54781	15.25151	4.06451	17.5913	6.94E-09	5.34E-06	8.9E-07	2.14E-12	6.46E-12	5.11E-12	3.7E-15	8.95E-14	6.74E-15	9.99257E-14	6.938E-09	5.3422E-06	8.9E-07	2.18976E-12	1.4978E-14	1.09298E-12	2.492E-15
410	570430.6	4178439	0.55, 41784	0.16313	0.12204	0.15568	99.54775	33.93845	116.15512	16.59129	4.47421	19.35919	7.88E-09	5.88E-06	9.8E-07	2.43E-12	7.34E-12	5.8E-12	4.21E-15	1.02E-13	7.65E-15	1.13501E-13	7.881E-09	5.8791E-06	9.8E-07	2.48726E-12	1.70129E-14	1.24147E-12	2.8306E-15
411	570470.6	4178439	0.55, 41784	0.18858	0.14267	0.1783	108.92524	36.54882	128.38607	18.15421	4.93599	21.39768	9.03E-09	6.5E-06	1.08E-06	2.79E-12	8.41E-12	6.64E-12	4.82E-15	1.16E-13	8.76E-15	1.29994E-13	9.026E-09	6.4982E-06	1.08E-06	2.84867E-12	1.94849E-14	1.42186E-12	3.2418E-15
412	570510.6	4178439	0.55, 41784	0.22167	0.16966	0.20722	120.34611	39.98702	143.34164	20.05769	5.68986	23.89027	1.05E-08	7.26E-06	1.21E-06	3.24E-12	9.77E-12	7.72E-12	5.6E-15	1.35E-13	1.02E-14	1.51079E-13	1.049E-08	7.2551E-06	1.21E-06	3.31073E-12	2.26454E-14	1.65249E-12	3.7677E-15
413	570550.6	4178439	0.55, 41784	0.2658	0.20594	0.24496	134.27176	44.24032	161.13607	22.37863	6.83821	26.85601	1.24E-08	8.16E-06	1.36E-06	3.83E-12	1.16E-11	9.13E-12	6.62E-15	1.6E-13	1.2E-14	1.78595E-13	1.24E-08	8.1558E-06	1.36E-06	3.91372E-12	2.67699E-14	1.95346E-12	4.4539E-15
414	570590.6	4178439	0.55, 41784	0.3272	0.25654	0.29583	151.91315	49.32778	182.29969	25.31886	8.30482	30.38328	1.5E-08	9.23E-06	1.54E-06	4.62E-12	1.4E-11	1.1E-11	8E-15	1.93E-13	1.45E-14	2.15685E-13	1.498E-08	9.2269E-06	1.54E-06	4.72651E-12	3.23293E-14	2.35915E-12	5.3789E-15
415	570630.6	4178439	0.55, 41784	0.41735	0.33056	0.3671	175.42083	55.6235	213.97884	29.2368	10.21264	34.63299	1.86E-08	1.08E-05	1.75E-06	5.73E-12	1.73E-11	1.37E-11	9.92E-15	2.4E-13	1.8E-14	2.6765E-13	1.858E-08	1.083E-05	1.75E-06	5.86525E-12	4.01183E-14	2.92753E-12	6.6748E-15
416	570670.6	4178439	0.55, 41784	0.56024	0.44648	0.47194	208.37177	63.80907	268.23017	34.72863	12.75328	41.38807	2.39E-08	1.36E-05	2.1E-06	7.37E-12	2.23E-11	1.76E-11	1.28E-14	3.08E-13	2.32E-14	3.44092E-13	2.389E-08	1.3576E-05	2.1E-06	7.5404E-12	5.15763E-14	3.76365E-12	8.5811E-15
417	570710.6	4178439	0.55, 41784	0.81434	0.64609	0.63688	258.28683	75.2647	339.8113	43.04781	16.40047	56.02404	3.22E-08	1.72E-05	2.84E-06	9.95E-12	3E-11	2.37E-11	1.72E-14	4.16E-13	3.13E-14	4.64359E-13	3.224E-08	1.7199E-05	2.84E-06	1.01759E-11	6.96033E-14	5.07913E-12	1.158E-14
418	570750.6	4178439	0.55, 41784	1.35572	1.03003	0.91926	343.9155	93.10334	457.76974	57.16949	22.25077	76.29496	4.65E-08	2.32E-05	3.86E-06	1.44E-11	4.34E-11	3.43E-11	2.48E-14	6E-13	4.52E-14	6.70268E-13	4.654E-08	2.3169E-05	3.86E-06	1.46882E-11	1.00467E-13	7.33134E-12	1.6715E-14
419	570790.6	4178439	0.55, 41784	3.18264	2.0617	1.49283	571.47263	129.70009	738.76969	95.66015	38.79176	110.20608	7.56E-08	3.74E-05	5.58E-06	2.33E-11	7.04E-11	5.56E-11	4.04E-14	9.75E-13	7.34E-14	1.08857E-12	7.558E-08	3.7391E-05	5.58E-06	2.38548E-11	1.63167E-13	1.19067E-11	2.7147E-14
420	571070.6	4178439	0.55, 41784	4.74443	12.25677	5.33303	251.71558	235.3671	557.08631	48.15254	87.29167	78.37734	2.7E-07	2.82E-05	3.97E-06	8.33E-11	2.52E-10	1.99E-10	1.44E-13	3.48E-12	2.62E-13	3.88958E-12	2.701E-07	2.8197E-05	3.97E-06	8.52359E-11	5.83014E-13	4.2544E-11	9.7E-14
421	571110.6	4178439	0.55, 41784	3.89854	10.39914	4.234	292.37938	213.76959	730.76501	54.55193	96.69541	95.26587	2.14E-07	3.7E-05	4.82E-06	6.62E-11	2E-10	1.58E-10	1.14E-13	2.77E-12	2.08E-13	3.08814E-12	2.144E-07	3.6987E-05	4.82E-06	6.76732E-11	4.62885E-13	3.37779E-11	7.7014E-14
422	571150.6	4178439	0.55, 41784	3.24566	6.14355	3.38328	299.25996	151.74182	537.6659	53.26943	58.88405	104.89405	1.71E-07	2.72E-05	5.31E-06	5.29E-11	1.6E-10	1.26E-10	9.15E-14	2.21E-12	1.66E-13	2.46727E-12	1.713E-07	2.7213E-05	5.31E-06	5.40675E-11	3.69821E-13	2.69868E-11	6.153E-14
423	571190.6	4178439	0.55, 41784	2.68652	4.20662	2.81661	319.22111	114.25705	663.08885	45.60302	42.68486	97.00809	1.43E-07	3.36E-05	4.91E-06	4.4E-11	1.33E-10	1.05E-10	7.61E-14	1.84E-12	1.38E-13	2.05386E-12	1.426E-07	3.356E-05	4.91E-06	4.5008E-11	3.07855E-13	2.24649E-11	5.122E-14
424	571230.6	4178439	0.55, 41784	2.2851	3.10379	2.38014	355.31137	114.374	594.35462	48.25343	33.87475	78.4876	1.2E-07	3.01E-05	3.97E-06	3.72E-11	1.12E-10	8.87E-11	6.43E-14	1.55E-12	1.17E-13	1.73551E-12	1.205E-07	3.0082E-05	3.97E-06	3.80317E-11	2.60137E-13	1.89828E-11	4.3281E-14
425	571270.6	4178439	0.55, 41784	1.91581	2.39067	2.08735	281.61312	92.35093	457.23387	43.32371	28.45229	65.31912	1.06E-07	2.31E-05	3.31E-06	3.26E-11	9.85E-11	7.78E-11	5.64E-14	1.36E-12	1.03E-13	1.52195E-12	1.057E-07	2.3142E-05	3.31E-06	3.33519E-11	2.28127E-13	1.6647E-11	3.7955E-14
426	571310.6	4178439	0.55, 41784	1.62017	1.88774	1.73959	249.98498	75.512	443.82502	38.72011	23.46838	65.04063	8.81E-08	2.25E-05	3.29E-06	2.72E-11	8.21E-11	6.48E-11	4.7E-14	1.14E-12	8.55E-14	1.26837E-12	8.807E-08	2.2463E-05	3.29E-06	2.7795E-11	1.90118E-13	1.38734E-11	3.1631E-14
427	571350.6	4178439	0.55, 41784	1.36969	1.52492	1.4607	207.90528	71.02603	289.54604	31.99215	18.96422	43.80183	7.39E-08	1.47E-05	2.22E-06	2.28E-11	6.89E-11	5.44E-11	3.95E-14	9.54E-13	7.18E-14	1.06502E-12	7.395E-08	1.4655E-05	2.22E-06	2.33387E-11	1.59636E-13	1.16491E-11	2.656E-14
428	571390.6	4178439	0.55, 41784	1.16602	1.25794	1.25769	137.82846	66.02867	157.99714	21.56098	15.29437	27.7078	6.37E-08	8E-06	1.4E-06	1.96E-11	5.93E-11	4.69E-11	3.4E-14	8.21E-13	6.18E-14	9.16989E-13	6.367E-08	7.9972E-06	1.4E-06	2.00948E-11	1.37448E-13	1.003E-11	2.2868E-14
429	571430.6	4178439	0.55, 41784	1.00225	1.05165	1.08939	150.81052	60.59063	188.78292	19.07395	12.70811	25.02004	5.51E-08	9.56E-06	1.27E-06	1.7E-11	5.14E-11	4.06E-11	2.94E-14	7.11E-13	5.35E-14	7.94273E-13	5.515E-08	9.5552E-06	1.27E-06	1.74056E-11	1.19055E-13	8.68771E-12	1.9808E-14
430	571470.6	4178439	0.55, 41784	0.86528	0.88825	0.94207	153.64691	54.59461	206.40776	19.20586	10.6849	25.80097	4.77E-08	1.04E-05	1.31E-06	1.47E-11	4.44E-11	3.51E-11	2.55E-14	6.15E-13	4.63E-14	6.86859E-13	4.769E-08	1.0447E-05	1.31E-06	1.50518E-11	1.02954E-13	7.51281E-12	1.7129E-14
431	571510.6	4178439	0.55, 41784	0.75493	0.76151	0.82291	144.52703	49.13224	189.90829	18.06588	9.74189	23.73854	4.17E-08	9.61E-06	1.2E-06	1.29E-11	3.88E-11	3.07E-11	2.22E-14	5.37E-13	4.04E-14	5.99977E-13	4.166E-08	9.612E-06	1.2E-06	1.31478E-11	8.99312E-14	6.56251E-12	1.4963E-14
432	571550.6	4178439	0.55, 41784	0.65913	0.65716	0.71761	127.58758	46.59598	156.05984	15.94845	8.8858	19.50748	3.63E-08	7.9E-06	9.87E-07	1.12E-11	3.38E-11	2.67E-11	1.94E-14	4.69E-13	3.53E-14	5.23202E-13	3.633E-08	7.8989E-06	9.87E-07	1.14654E-11	7.84234E-14	5.72275E-12	1.3048E-14
433	571590.6	4178439	0.55, 41784	0.57626	0.57045	0.62441	106.82976	44.35137	118.44703	13.35372	8.08009	14.80588	3.16E-08	6E-06	7.5E-07	9.75E-12	2.95E-11	2.33E-11	1.69E-14	4.08E-13	3.07E-14	4.55251E-13	3.161E-08	5.9953E-06	7.5E-07	9.97633E-12	6.82381E-14	4.9795E-12	1.1353E-14
434	570310.6	4178479	0.55, 41784	0.1113	0.08183	0.10709	74.58423	29.47815	84.27127	11.80727	4.00274	12.56763	5.42E-09	4.27E-06	6.36E-07	1.67E-12	5.05E-12	3.99E-12	2.89E-15	6.99E-14	5.26E-15	7.80756E-14	5.421E-09	4.2654E-06	6.36E-07	1.71094E-12	1.17028E-14	8.53986E-13	1.9471E-15
435	570350.6	4178479	0.55, 41784	0.12561	0.09388	0.12027	80.0812	31.76761	91.05741	12.83362	4.33491	13.82729	6.09E-09	4.61E-06	7E-07	1.88E-12	5.67E-12	4.48E-12	3.25E-15	7.85E-14	5.91E-15	8.76851E-14	6.088E-09	4.6089E-06	7E-07	1.92152E-12	1.31432E-14	9.59093E-13	2.1867E-15
436	570390.6	4178479	0.55, 41784	0.14146	0.10678	0.13471	86.10528	34.01158	98.86723	14.01299	4.67053	15.28263	6.82E-09	5E-06	7.74E-07	2.1E-12	6.35E-12	5.02E-12	3.64E-15	8.8E-14	6.62E-15	9.82131E-14	6.819E-09	5.0042E-06	7.74E-07	2.15223E-12	1.47213E-14	1.07425E-12	2.4493E-15
437	570430.6	4178479	0.55, 41784	0.16075	0.12266	0.15218	93.00088	36.36689	108.11431	15.32204	5.02469	17.00047	7.7E-09	5.47E-06	8.61E-07	2.38E-12	7.18E-12	5.67E-12	4.11E-15	9.94E-14	7.48E-15	1.1095E-13	7.704E-09	5.4722E-06	8.61E-07	2.43136E-12	1.66305E-14	1.21357E-12	2.7669E-15
438	570470.6	4178479	0.55, 41784	0.18644	0.14379	0.17515	101.96042	39.51551	120.09702	16.93263	5.48718	19.18544	8.87E-09	6.08E-06	9.71E-07	2.74E-12	8.26E-12	6.53E-12	4.73E-15	1.14E-13	8.61E-15	1.27698E-13	8.866E-09	6.0787E-06	9.71E-07	2.79836E-12	1.91407E-14	1.39675E-12	3.1846E-15
439	570510.6	4178479	0.55, 41784	0.22079	0.17209	0.20548	113.44919	43.50567	135.70428	18.9082	6.17272	22.02345	1.04E-08	6.87E-06	1.11E-06	3.21E-12	9.69E-12	7.66E-12	5.55E-15	1.34E-13	1.01E-14	1.49811E-13	1.04E-08	6.8686E-06	1.11E-06	3.28295E-12	2.24554E-14	1.63862E-12	3.7361E-15
440	570550.6	4178479	0.55, 41784	0.2667	0.21004	0.24533	127.7059	48.20733	155.63974	21.28432	7.34053	25.62853	1.24E-08	7.88E-06	1.3E-06	3.83E-12	1.16E-11	9.14E-12	6.63E-15	1.6E-13	1.21E-14	1.78866E-13	1.242E-08	7.8776E-06	1.3E-06	3.91965E-12	2.68104E-14	1.95642E-12	4.4606E-15
441	570590.6	4178479	0.55, 41784	0.32931	0.26248	0.29831	144.67878	53.44745	182.17951	24.11313	8.81975	30.24215	1.51E-08	9.22E-06	1.53E-06	4.66E-12	1.41E-11	1.11E-11	8.06E-15	1.95E-13	1.47E-14	2.17494E-13	1.51E-08	9.2209E-06	1.53E-06	4.76615E-12	3.26004E-14	2.37894E-12	5.424E-15
442	570630.6	4178479	0.55, 41784	0.42133	0.33962	0.37314	165.95931	60.05375	219.0797	27.65989	10.77683	36.51328	1.89E-08	1.11E-05	1.85E-06	5.83E-12	1.76E-11	1.39E-11	1.01E-14	2.44E-13	1.83E-14	2.72054E-13	1.889E-08	1.1089E-05	1.85E-06	5.96176E-12	4.07785E-14	2.97571E-12	6.7846E-15
443	570670.6	4178479	0.55, 41784	0.56746	0.46145	0.48445	193.36004	69.0612	272.47405	32.22667	13.5092	45.41234	2.45E-08	1.38E-05	2.3E-06	7.57E-12	2.28E-11	1.8E-11	1.31E-14	3.16E-13	2.38E-14	3.53213E-13	2.452E-08	1.3791E-05	2.3E-06	7.74029E-12	5.29436E-14	3.86342E-12	8.8086E-15
444	570710.6	4178479	0.55, 41784	0.83023	0.67528	0.66195	236.53606	81.84268	352.22256	39.07222	17.68943	58.70376	3.35E-08	1.78E-05	2.97E-06	1.03E-11	3.12E-11	2.47E-11	1.79E-14	4.32E-13	3.25E-14	4.82638E-13	3.351E-08	1.7827E-05	2.97E-06	1.05765E-11	7.23432E-14	5.27906E-12	1.2036E-14
445	570750.6	4178479	0.55, 41784	1.42426	1.12918	0.97629	342.03514	102.90165	482.1747	49.67165	25.1054	80.36245	4.94E-08	2.44E-05	4.07E-06	1.53E-11	4.61E-11	3.64E-11	2.64E-14	6.37E-13	4.8E-14	7.11857E-13	4.943E-08	2.4404E-05	4.07E-06	1.55996E-11	1.06701E-13	7.78624E-12	1.7753E-14
446	570790.6	4178479	0.55, 41784	3.63047	2.75084	1.62936	596.75244	187.47347	722.34167	107.7468	51.23422	120.39028	8.25E-08	3.66E-05	6.09E-06	2.55E-11	7.69E-11	6.07E-11	4.41E-14	1.06E-12	8.01E-14	1.18822E-12	8.25E-08	3.6561E-05	6.09E-06	2.60385E-11	1.78104E-13	1.29967E-11	2.9632E-14
447	571030.6	4178479	0.55, 41784	9.40071	15.68167	11.18665	333.68631	267.05875	756.18793	81.11776	110.69164	178.64972	5.66E-07	3.83E-05	9.04E-06	1.75E-10	5.28E-10	4.17E-10	3.02E-13	7.3E-12	5.5E-13	8.15704E-12	5.664E-07	3.8274E-05	9.04E-06	1.78753E-10	1.22267E-12	8.92211E-11	2.0342E-13
448	571070.6	4178479	0.55, 41784	5.59712	9.0131	6.53916	216.22006	204.77885	522.16381	54.58514	76.29745	101.00005	3.31E-07	2.64E-05	5.11E-06	1.02E-10	3.08E-10	2.44E-10	1.77E-13	4.27E-12	3.21E-13	4.76817E-12	3.311E-07	2.6429E-05	5.11E-06	1.04489E-10	7.14707E-13	5.21539E-11	1.1891E-13
449	571110.6	4178479	0.55, 41784	3.86033	5.8724	4.45436	232.77263	158.88759	526.3096	40.87392	60.11848	68.10823	2.26E-07	2.66E-05	3.45E-06	6.96E-11	2.1E-10	1.66E-10	1.2E-13	2.91E-12	2.19E-13	3.24795E-12	2.255E-07	2.6639E-05	3.45E-06	7.11752E-11	4.86839E-13	3.55258E-11	8.0999E-14
450	571150.6	4178479	0.55, 41784	2.87873	4.17215	3.24074	243.47288	131.88403	510.79766	36.94401	47.80365	68.59206	1.64E-07	2.59E-05	3.47E-06	5.06E-11	1.53E-10	1.21E-10	8.76E-14	2.12E-12	1.59E-13	2.36301E-12	1.641E-07	2.5853E-05	3.47E-06	5.17827E-11	3.54194E-13	2.58464E-11	5.893E-14
451	571190.6	4178479	0.55, 41784	2.25924	3.11768	2.54212	272.99859	103.34976	495.79992	40.61499	35.56429	82.63332	1.29E-07	2.51E-05	4.18E-06	3.97E-11	1.2E-10	9.47E-11	6.87E-14	1.66E-12	1.25E-13	1.85358E-12	1.287E-07	2.5094E-05	4.18E-06	4.06191E-11	2.77834E-13	2.02743E-11	4.6225E-14
452	571230.6	4178479	0.55, 41784	1.86428	2.43731	2.04705	228.60917	88.43023	428.91859	34.9281	28.65964	53.61482	1.04E-07	2.17E-05	2.71E-06	3.2E-11	9.66E-11	7.63E-11	5.53E-14	1.34E-12	1.01E-13	1.49259E-12	1.036E-07	2.1709E-05	2.71E-06	3.27084E-11	2.23725E-13	1.63258E-11	3.7223E-14
453	571270.6	4178479	0.55, 41784	1.58233	1.95726	1.72288	275.18297	89.4878	451.79055	39.56066	24.38596	62.99097	8.72E-08	2.29E-05	3.19E-06	2.69E-11	8.13E-11	6.42E-11	4.66E-14	1.12E-12	8.47E-14	1.2562E-12	8.722E-08	2.2866E-05	3.19E-06	2.75283E-11	1.88294E-13	1.37403E-11	3.1328E-14
454	571310.6	4178479	0.55, 41784	1.35793	1.6065	1.5101	222.77943	77.47813	328.49847	32.82803	21.05024	46.46168	7.64E-08	1.66E-05	2.35E-06	2.36E-11	7.12E-11	5.63E-11	4.08E-14	9.86E-13	7.42E-14	1.10104E-12	7.645E-08	1.6626E-05	2.35E-06	2.41281E-11	1.65036E-13	1.20431E-11	2.7458E-14
455	571350.6	4178479	0.55, 41784	1.1642	1.33076	1.27594	210.30644	64.61424	297.95893	30.9494	18.13628	42.55235	6.46E-08	1.51E-05	2.15E-06	1.99E-11	6.02E-11	4.75E-11	3.45E-14	8.33E-13	6.27E-14	9.30304E-13	6.459E-08	1.5081E-05	2.15E-06	2.03866E-11	1.39444E-13	1.01756E-11	2.32E-14
456	571390.6	4178479	0.55, 41784	1.001	1.11694	1.07653	187.8278	60.73144	278.37154	27.7002	15.35336	39.86006	5.45E-08	1.41E-05	2.02E-06	1.68E-11	5.08E-11	4.01E-11	2.91E-14	7.03E-13	5.29E-14	7.84911E-13	5.45E-08	1.4089E-05	2.02E-06	1.72005E-11	1.17651E-13	8.58531E-12	1.9574E-14
457	571430.6	4178479	0.55, 41784	0.8626	0.94616	0.9271	141.00765	57.76687	153.44465	20.99683	12.7525	23.01436	4.69E-08	7.77E-06	1.17E-06	1.45E-11	4.37E-11	3.45E-11	2.51E-14	6.05E-13	4.56E-14	6.75957E-13	4.693E-08	7.7667E-06	1.17E-06	1.48129E-11	1.0132E-13	7.39357E-12	1.6857E-14
458	571470.6	4178479	0.55, 41784	0.75511	0.81334	0.81471	85.41876	54.87579	110.14274	13.60469	11.10539	17.11986	4.12E-08	5.58E-06	8.67E-07	1.27E-11	3.84E-11	3.04E-11	2.2E-14	5.32E-13	4E-14	5.94009E-13	4.124E-08	5.5751E-06	8.67E-07	1.30171E-11	8.90367E-14	6.49723E-12	1.4814E-14
459	571510.6	4178479	0.55, 41784	0.666	0.70453	0.71826	104.54177	51.61661	121.24791	13.06772	9.4895	15.99878	3.64E-08	6.14E-06	8.1E-07	1.12E-11	3.39E-11	2.68E-11	1.94E-14	4.69E-13	3.53E-14	5.23685E-13	3.636E-08	6.1371E-06	8.1E-07	1.1476E-11	7.84957E-14	5.72803E-12	1.306E-14
460	571550.6	4178479	0.55, 41784	0.58993	0.61436	0.63446	114.23468	47.78612	141.81512	14.27934	8.47335	17.72689	3.21E-08	7.18E-06	8.97E-07	9.91E-12	2.99E-11	2.36E-11	1.71E-14	4.14E-13	3.12E-14	4.62585E-13	3.212E-08	7.178E-06	8.97E-07	1.0137E-11	6.93373E-14	5.05972E-12	1.1536E-14
461	571590.6	4178479	0.55, 41784	0.5248	0.5396	0.56365	114.71837	43.31659	143.69009	14.3398	7.89274	17.96126	2.85E-08	7.27E-06	9.09E-07	8.8E-12	2.66E-11	2.1E-11	1.52E-14	3.68E-13	2.77E-14	4.10956E-13	2.853E-08	7.2728E-06	9.09E-07	9.00565E-12	6.15987E-14	4.49501E-12	1.0249E-14
462	570310.6	4178519	0.55, 41785	0.10968	0.08323	0.10459	75.92481	30.95134	85.20389	12.65413	4.31611	14.20065	5.29E-09	4.31E-06	7.19E-07	1.63E-12	4.93E-12	3.9E-12	2.83E-15	6.83E-14	5.14E-15	7.62536E-14	5.294E-09	4.3126E-06	7.19E-07	1.67101E-12	1.14297E-14	8.34056E-13	1.9016E-15
463	570350.6	4178519	0.55, 41785	0.12253	0.09413	0.11632	80.98331	32.52203	91.70345	13.49722	4.56123	15.28391	5.89E-09	4.64E-06	7.74E-07	1.82E-12	5.49E-12	4.33E-12	3.14E-15	7.59E-14	5.72E-15	8.48059E-14	5.888E-09	4.6416E-06	7.74E-07	1.85843E-12	1.27116E-14	9.27601E-13	2.1149E-15
464	570390.6	4178519	0.55, 41785	0.13706	0.10653	0.12954	86.4192	34.09518	99.00991	14.4032	4.78567	16.50165	6.56E-09	5.01E-06	8.35E-07	2.02E-12	6.11E-12	4.83E-12	3.5E-15	8.46E-14	6.37E-15	9.44445E-14	6.557E-09	5.0114E-06	8.35E-07	2.06965E-12	1.41564E-14	1.03303E-12	2.3553E-15
465	570430.6	4178519	0.55, 41785	0.15657	0.12308	0.14711	93.48729	36.56809	108.68156	15.58121	5.11226	18.11359	7.45E-09	5.5E-06	9.17E-07	2.3E-12	6.94E-12	5.48E-12	3.98E-15	9.6E-14	7.23E-15	1.07255E-13	7.447E-09	5.5009E-06	9.17E-07	2.35037E-12	1.60765E-14	1.17315E-12	2.6748E-15
466	570470.6	4178519	0.55, 41785	0.18113	0.14422	0.16907	101.65142	39.2669	120.52836	16.9419	5.47129	20.08806	8.56E-09	6.1E-06	1.02E-06	2.64E-12	7.97E-12	6.3E-12	4.57E-15	1.1E-13	8.31E-15	1.23266E-13	8.559E-09	6.1005E-06	1.02E-06	2.70124E-12	1.84765E-14	1.34827E-12	3.0741E-15
467	570510.6	4178519	0.55, 41785	0.21556	0.17373	0.19928	112.42418	43.21366	137.68321	18.73736	6.23491	22.9472	1.01E-08	6.97E-06	1.16E-06	3.11E-12	9.4E-12	7.42E-12	5.39E-15	1.3E-13	9.79E-15	1.45292E-13	1.009E-08	6.9688E-06	1.16E-06	3.18392E-12	2.1778E-14	1.5892E-12	3.6234E-15
468	570550.6	4178519	0.55, 41785	0.26244	0.21401	0.23948	127.39838	48.06291	159.66591	20.89373	7.26318	26.61098	1.21E-08	8.08E-06	1.35E-06	3.74E-12	1.13E-11	8.92E-12	6.47E-15	1.56E-13	1.18E-14	1.74602E-13	1.212E-08	8.0814E-06	1.35E-06	3.82622E-12	2.61714E-14	1.90979E-12	4.3543E-15
469	570590.6	4178519	0.55, 41785	0.32438	0.26815	0.29055	146.74921	52.55391	186.84388	23.05175	8.49659	31.14065	1.47E-08	9.46E-06	1.58E-06	4.54E-12	1.37E-11	1.08E-11	7.85E-15	1.9E-13	1.43E-14	2.11839E-13	1.471E-08	9.4569E-06	1.58E-06	4.64221E-12	3.17527E-14	2.31708E-12	5.2829E-15
470	570630.6	4178519	0.55, 41785	0.41604	0.34788	0.36203	170.82398	60.03664	221.85088	25.41079	10.076	36.97515	1.83E-08	1.12E-05	1.87E-06	5.66E-12	1.71E-11	1.35E-11	9.79E-15	2.36E-13	1.78E-14	2.63957E-13	1.833E-08	1.1229E-05	1.87E-06	5.78433E-12	3.95648E-14	2.88715E-12	6.5827E-15
471	570670.6	4178519	0.55, 41785	0.56352	0.47347	0.46761	210.6175	71.54419	266.74609	27.95974	12.2085	44.45768	2.37E-08	1.35E-05	2.25E-06	7.3E-12	2.21E-11	1.74E-11	1.26E-14	3.05E-13	2.3E-14	3.40941E-13	2.367E-08	1.3501E-05	2.25E-06	7.47134E-12	5.1104E-14	3.72919E-12	8.5025E-15
472	570710.6	4178519	0.55, 41785	0.82936	0.69158	0.6351	257.30872	94.91316	337.8148	32.16359	16.3308	53.60133	3.22E-08	1.71E-05	2.71E-06	9.92E-12	3E-11	2.37E-11	1.72E-14	4.15E-13	3.12E-14	4.6307E-13	3.215E-08	1.7098E-05	2.71E-06	1.01477E-11	6.94101E-14	5.06503E-12	1.1548E-14
473	570750.6	4178519	0.55, 41785	1.36529	1.13262	0.93188	327.60111	130.96882	473.41526	45.80096	29.91109	62.68561	4.72E-08	2.4E-05	3.17E-06	1.46E-11	4.4E-11	3.47E-11	2.52E-14	6.08E-13	4.58E-14	6.79485E-13	4.718E-08	2.3961E-05	3.17E-06	1.48902E-11	1.01849E-13	7.43216E-12	1.6945E-14
474	570790.6	4178519	0.55, 41785	2.09469	1.90095	1.39228	339.24086	174.34023	730.67406	59.4987	49.70987	91.33426	7.05E-08	3.7E-05	4.62E-06	2.18E-11	6.57E-11	5.19E-11	3.76E-14	9.09E-13	6.84E-14	1.01523E-12	7.049E-08	3.6982E-05	4.62E-06	2.22476E-11	1.52173E-13	1.11045E-11	2.5318E-14
475	570990.6	4178519	0.55, 41785	30.9381	16.28557	11.79039	1645.60932	278.46944	1244.70182	444.29015	131.46412	279.7997	5.97E-07	6.3E-05	1.42E-05	1.84E-10	5.56E-10	4.39E-10	3.19E-13	7.7E-12	5.8E-13	8.59765E-12	5.97E-07	6.3E-05	1.42E-05	1.88408E-10	1.28871E-12	9.40405E-11	2.1441E-13
476	571030.6	4178519	0.55, 41785	10.39533	8.05295	7.62595	575.07494	188.36146	999.69988	130.51861	75.45666	173.23921	3.86E-07	5.06E-05	8.77E-06	1.19E-10	3.6E-10	2.84E-10	2.06E-13	4.98E-12	3.75E-13	5.56027E-12	3.861E-07	5.0597E-05	8.77E-06	1.21847E-10	8.33435E-13	6.08178E-11	1.3866E-13
477	571070.6	4178519	0.55, 41785	5.62777	5.38206	5.21191	327.13066	151.27996	542.64793	61.45445	56.79768	91.26612	2.64E-07	2.75E-05	4.62E-06	8.14E-11	2.46E-10	1.94E-10	1.41E-13	3.4E-12	2.56E-13	3.80008E-12	2.638E-07	2.7466E-05	4.62E-06	8.32746E-11	5.69598E-13	4.1565E-11	9.4768E-14
478	571110.6	4178519	0.55, 41785	3.70135	3.92679	3.70614	194.51307	130.68512	402.95521	41.68788	44.49195	69.09918	1.88E-07	2.04E-05	3.5E-06	5.79E-11	1.75E-10	1.38E-10	1E-13	2.42E-12	1.82E-13	2.70221E-12	1.876E-07	2.0395E-05	3.5E-06	5.9216E-11	4.05038E-13	2.95566E-11	6.7389E-14
479	571150.6	4178519	0.55, 41785	2.69329	3.00723	2.77155	208.02281	103.35418	440.08145	30.40761	37.50867	55.01018	1.4E-07	2.23E-05	2.78E-06	4.33E-11	1.31E-10	1.03E-10	7.49E-14	1.81E-12	1.36E-13	2.0208E-12	1.403E-07	2.2274E-05	2.78E-06	4.42836E-11	3.029E-13	2.21033E-11	5.0396E-14
480	571190.6	4178519	0.55, 41785	2.08526	2.38411	2.19601	205.94825	100.14217	330.97092	32.90062	31.32752	44.74048	1.11E-07	1.68E-05	2.26E-06	3.43E-11	1.04E-10	8.18E-11	5.94E-14	1.43E-12	1.08E-13	1.60116E-12	1.112E-07	1.6752E-05	2.26E-06	3.50876E-11	2.39999E-13	1.75134E-11	3.993E-14
481	571230.6	4178519	0.55, 41785	1.66362	1.91731	1.76389	215.41751	83.66277	360.55042	30.77393	25.17962	52.13444	8.93E-08	1.82E-05	2.64E-06	2.76E-11	8.32E-11	6.57E-11	4.77E-14	1.15E-12	8.67E-14	1.28609E-12	8.93E-08	1.8249E-05	2.64E-06	2.81833E-11	1.92773E-13	1.40672E-11	3.2073E-14
482	571270.6	4178519	0.55, 41785	1.38104	1.58176	1.44385	194.90891	74.63088	227.07234	31.16799	21.56574	34.54332	7.31E-08	1.15E-05	1.75E-06	2.26E-11	6.81E-11	5.38E-11	3.9E-14	9.43E-13	7.1E-14	1.05274E-12	7.309E-08	1.1493E-05	1.75E-06	2.30697E-11	1.57797E-13	1.15148E-11	2.6254E-14
483	571310.6	4178519	0.55, 41785	1.18628	1.33473	1.24995	227.7435	74.01926	353.91479	34.0231	18.88588	51.12416	6.33E-08	1.79E-05	2.59E-06	1.95E-11	5.9E-11	4.66E-11	3.38E-14	8.16E-13	6.14E-14	9.11361E-13	6.328E-08	1.7913E-05	2.59E-06	1.99715E-11	1.36605E-13	9.96841E-12	2.2728E-14
484	571350.6	4178519	0.55, 41785	1.02794	1.1349	1.10387	186.21806	66.32591	255.87469	28.09378	16.3212	37.6065	5.59E-08	1.3E-05	1.9E-06	1.72E-11	5.21E-11	4.11E-11	2.98E-14	7.21E-13	5.43E-14	8.04843E-13	5.588E-08	1.2951E-05	1.9E-06	1.76373E-11	1.20639E-13	8.80332E-12	2.0072E-14
485	571390.6	4178519	0.55, 41785	0.88898	0.96986	0.94947	165.64096	58.31983	230.86073	23.55305	14.40747	29.95608	4.81E-08	1.17E-05	1.52E-06	1.48E-11	4.48E-11	3.54E-11	2.57E-14	6.2E-13	4.67E-14	6.92268E-13	4.807E-08	1.1685E-05	1.52E-06	1.51703E-11	1.03765E-13	7.57198E-12	1.7264E-14
486	571430.6	4178519	0.55, 41785	0.7696	0.83467	0.8102	166.81635	54.79876	235.11797	23.72844	12.50769	32.6638	4.1E-08	1.19E-05	1.65E-06	1.27E-11	3.82E-11	3.02E-11	2.19E-14	5.29E-13	3.98E-14	5.90726E-13	4.102E-08	1.19E-05	1.65E-06	1.29451E-11	8.85446E-14	6.46132E-12	1.4732E-14
487	571470.6	4178519	0.55, 41785	0.67066	0.72494	0.7032	138.40145	51.97552	171.46902	19.82816	10.73341	24.30543	3.56E-08	8.68E-06	1.23E-06	1.1E-11	3.32E-11	2.62E-11	1.9E-14	4.59E-13	3.46E-14	5.12711E-13	3.56E-08	8.6788E-06	1.23E-06	1.12355E-11	7.68509E-14	5.608E-12	1.2786E-14
488	571510.6	4178519	0.55, 41785	0.58987	0.63439	0.62004	93.94363	49.66848	89.41667	13.736	9.50533	13.29785	3.14E-08	4.53E-06	6.73E-07	9.69E-12	2.92E-11	2.31E-11	1.68E-14	4.05E-13	3.05E-14	4.52078E-13	3.139E-08	4.5261E-06	6.73E-07	9.90678E-12	6.77624E-14	4.94479E-12	1.1274E-14
489	571550.6	4178519	0.55, 41785	0.52422	0.55926	0.55249	64.7066	47.53612	82.72316	9.81761	8.44297	11.85775	2.8E-08	4.19E-06	6E-07	8.63E-12	2.61E-11	2.06E-11	1.49E-14	3.61E-13	2.72E-14	4.02825E-13	2.797E-08	4.1873E-06	6E-07	8.82747E-12	6.03799E-14	4.40607E-12	1.0046E-14
490	571590.6	4178519	0.55, 41785	0.47148	0.49721	0.49682	75.39988	45.27823	83.60413	9.54319	7.49343	11.2302	2.52E-08	4.23E-06	5.68E-07	7.76E-12	2.34E-11	1.85E-11	1.34E-14	3.24E-13	2.44E-14	3.62235E-13	2.515E-08	4.2318E-06	5.68E-07	7.93797E-12	5.42957E-14	3.9621E-12	9.0336E-15
491	570310.6	4178559	0.55, 41785	0.10731	0.08405	0.10201	76.80272	30.54078	89.48595	12.80045	4.19275	14.91432	5.16E-09	4.53E-06	7.55E-07	1.59E-12	4.81E-12	3.8E-12	2.76E-15	6.66E-14	5.01E-15	7.43731E-14	5.164E-09	4.5293E-06	7.55E-07	1.6298E-12	1.11479E-14	8.13488E-13	1.8548E-15
492	570350.6	4178559	0.55, 41785	0.11907	0.09438	0.11262	82.9813	31.5625	94.82328	13.39224	4.31782	15.80388	5.7E-09	4.8E-06	8E-07	1.76E-12	5.31E-12	4.2E-12	3.04E-15	7.35E-14	5.53E-15	8.21089E-14	5.701E-09	4.7995E-06	8E-07	1.79933E-12	1.23074E-14	8.98101E-13	2.0477E-15
493	570390.6	4178559	0.55, 41785	0.1339	0.10748	0.12591	90.55746	32.83588	101.05325	14.07263	4.47793	16.84221	6.37E-09	5.11E-06	8.53E-07	1.97E-12	5.94E-12	4.69E-12	3.4E-15	8.22E-14	6.19E-15	9.17987E-14	6.374E-09	5.1148E-06	8.53E-07	2.01167E-12	1.37598E-14	1.00409E-12	2.2893E-15
494	570430.6	4178559	0.55, 41785	0.15297	0.12443	0.14282	99.07784	34.42492	111.25467	14.88754	4.68196	18.0897	7.23E-09	5.63E-06	9.16E-07	2.23E-12	6.74E-12	5.32E-12	3.86E-15	9.32E-14	7.02E-15	1.04128E-13	7.23E-09	5.6311E-06	9.16E-07	2.28185E-12	1.56079E-14	1.13894E-12	2.5968E-15
495	570470.6	4178559	0.55, 41785	0.17711	0.14611	0.16369	108.3811	37.13833	125.77833	15.68816	5.10948	19.33096	8.29E-09	6.37E-06	9.79E-07	2.56E-12	7.72E-12	6.1E-12	4.42E-15	1.07E-13	8.04E-15	1.19345E-13	8.286E-09	6.3662E-06	9.79E-07	2.61531E-12	1.78887E-14	1.30538E-12	2.9763E-15
496	570510.6	4178559	0.55, 41785	0.21022	0.1758	0.19176	119.02071	41.74654	144.28309	16.67371	5.7123	20.76073	9.71E-09	7.3E-06	1.05E-06	3E-12	9.04E-12	7.14E-12	5.18E-15	1.25E-13	9.42E-15	1.39811E-13	9.707E-09	7.3028E-06	1.05E-06	3.06381E-12	2.09564E-14	1.52924E-12	3.4867E-15
497	570550.6	4178559	0.55, 41785	0.25686	0.21737	0.22998	138.81712	48.97119	169.0217	17.78034	6.5378	22.20322	1.16E-08	8.55E-06	1.12E-06	3.59E-12	1.08E-11	8.57E-12	6.22E-15	1.5E-13	1.13E-14	1.67678E-13	1.164E-08	8.5549E-06	1.12E-06	3.67449E-12	2.51335E-14	1.83405E-12	4.1816E-15
498	570590.6	4178559	0.55, 41785	0.31921	0.27311	0.27901	158.95656	55.69599	196.40207	19.86957	7.90259	24.55026	1.41E-08	9.94E-06	1.24E-06	4.36E-12	1.32E-11	1.04E-11	7.54E-15	1.82E-13	1.37E-14	2.03428E-13	1.412E-08	9.9407E-06	1.24E-06	4.4579E-12	3.0492E-14	2.22508E-12	5.0732E-15
499	570630.6	4178559	0.55, 41785	0.41072	0.35398	0.34795	180.38278	65.18573	228.48167	22.54785	9.64997	28.56021	1.76E-08	1.16E-05	1.45E-06	5.44E-12	1.64E-11	1.3E-11	9.41E-15	2.27E-13	1.71E-14	2.53695E-13	1.761E-08	1.1564E-05	1.45E-06	5.55945E-12	3.80266E-14	2.7749E-12	6.3268E-15
500	570670.6	4178559	0.55, 41785	0.55178	0.47716	0.45068	218.05495	85.23197	290.43238	27.25687	14.02323	36.30405	2.28E-08	1.47E-05	1.84E-06	7.04E-12	2.13E-11	1.68E-11	1.22E-14	2.94E-13	2.22E-14	3.28601E-13	2.282E-08	1.47E-05	1.84E-06	7.20093E-12	4.92543E-14	3.59421E-12	8.1948E-15
501	570710.6	4178559	0.55, 41785	0.78132	0.6809	0.62169	244.71244	105.12049	355.26836	32.595	21.74638	44.40855	3.15E-08	1.8E-05	2.25E-06	9.71E-12	2.93E-11	2.32E-11	1.68E-14	4.06E-13	3.06E-14	4.53292E-13	3.147E-08	1.7982E-05	2.25E-06	9.93341E-12	6.79445E-14	4.95808E-12	1.1304E-14
502	570750.6	4178559	0.55, 41785	1.13763	1.02831	0.92752	276.33124	124.7524	514.56755	39.47589	32.46528	64.32094	4.7E-08	2.6E-05	3.26E-06	1.45E-11	4.37E-11	3.46E-11	2.51E-14	6.06E-13	4.56E-14	6.76284E-13	4.696E-08	2.6044E-05	3.26E-06	1.482E-11	1.01369E-13	7.39714E-12	1.6865E-14
503	570790.6	4178559	0.55, 41785	1.48115	1.46435	1.34156	285.306	157.20995	776.24295	43.19026	42.97795	97.64972	6.79E-08	3.93E-05	4.94E-06	2.1E-11	6.33E-11	5E-11	3.63E-14	8.76E-13	6.59E-14	9.78166E-13	6.792E-08	3.9288E-05	4.94E-06	2.14354E-11	1.46618E-13	1.06991E-11	2.4394E-14
504	570830.6	4178559	0.55, 41785	2.67811	2.99292	2.3948	342.02881	178.80856	871.65336	66.23843	64.34565	121.28657	1.21E-07	4.41E-05	6.14E-06	3.74E-11	1.13E-10	8.92E-11	6.47E-14	1.56E-12	1.18E-13	1.74618E-12	1.212E-07	4.4117E-05	6.14E-06	3.82656E-11	2.61737E-13	1.90996E-11	4.3547E-14
505	570950.6	4178559	0.55, 41785	26.55575	12.00196	5.05287	679.01352	318.67052	1487.06516	280.37281	116.3834	245.48668	2.56E-07	7.53E-05	1.24E-05	7.9E-11	2.38E-10	1.88E-10	1.37E-13	3.3E-12	2.48E-13	3.68577E-12	2.559E-07	7.5265E-05	1.24E-05	8.07696E-11	5.52464E-13	4.03147E-11	9.1917E-14
506	570990.6	4178559	0.55, 41785	10.52141	6.96087	4.44153	639.29991	205.65266	1371.63359	133.52138	75.6432	174.17097	2.25E-07	6.94E-05	8.82E-06	6.94E-11	2.1E-10	1.66E-10	1.2E-13	2.9E-12	2.18E-13	3.23893E-12	2.249E-07	6.9421E-05	8.82E-06	7.09775E-11	4.85486E-13	3.54272E-11	8.0774E-14
507	571030.6	4178559	0.55, 41785	6.12086	4.69941	3.63304	562.31532	143.87555	907.33173	97.52112	53.65532	135.00156	1.84E-07	4.59E-05	6.83E-06	5.68E-11	1.71E-10	1.35E-10	9.82E-14	2.37E-12	1.79E-13	2.64912E-12	1.839E-07	4.5922E-05	6.83E-06	5.80525E-11	3.97079E-13	2.89759E-11	6.6065E-14
508	571070.6	4178559	0.55, 41785	4.00501	3.46908	2.98955	291.75499	122.4909	364.39166	69.10596	41.80504	75.82917	1.51E-07	1.84E-05	3.84E-06	4.67E-11	1.41E-10	1.11E-10	8.08E-14	1.95E-12	1.47E-13	2.17981E-12	1.513E-07	1.8444E-05	3.84E-06	4.77681E-11	3.26734E-13	2.38426E-11	5.4361E-14
509	571110.6	4178559	0.55, 41785	2.89394	2.70355	2.4438	288.47324	105.99812	437.78623	48.03981	36.46899	59.71453	1.24E-07	2.22E-05	3.02E-06	3.82E-11	1.15E-10	9.11E-11	6.61E-14	1.6E-12	1.2E-13	1.78185E-12	1.237E-07	2.2158E-05	3.02E-06	3.90472E-11	2.67083E-13	1.94897E-11	4.4437E-14
510	571150.6	4178559	0.55, 41785	2.21115	2.17534	2.01472	240.56187	97.79178	377.92847	31.90722	30.3701	47.66793	1.02E-07	1.91E-05	2.41E-06	3.15E-11	9.5E-11	7.51E-11	5.45E-14	1.32E-12	9.9E-14	1.46898E-12	1.02E-07	1.9128E-05	2.41E-06	3.21911E-11	2.20187E-13	1.60676E-11	3.6634E-14
511	571190.6	4178559	0.55, 41785	1.76303	1.79806	1.6955	177.14345	83.63267	264.27885	24.55859	26.34777	34.50528	8.58E-08	1.34E-05	1.75E-06	2.65E-11	8E-11	6.32E-11	4.58E-14	1.11E-12	8.33E-14	1.23622E-12	8.583E-08	1.3376E-05	1.75E-06	2.70904E-11	1.85299E-13	1.35217E-11	3.0829E-14
512	571230.6	4178559	0.55, 41785	1.44054	1.50665	1.43503	192.87207	80.98435	306.26039	29.09943	22.26218	51.0434	7.26E-08	1.55E-05	2.58E-06	2.24E-11	6.77E-11	5.35E-11	3.88E-14	9.37E-13	7.05E-14	1.0463E-12	7.265E-08	1.5501E-05	2.58E-06	2.29286E-11	1.56832E-13	1.14444E-11	2.6093E-14
513	571270.6	4178559	0.55, 41785	1.19178	1.27042	1.20125	167.21575	71.42327	283.3883	22.32638	19.23301	35.42354	6.08E-08	1.43E-05	1.79E-06	1.88E-11	5.67E-11	4.48E-11	3.25E-14	7.84E-13	5.9E-14	8.75852E-13	6.081E-08	1.4343E-05	1.79E-06	1.91933E-11	1.31282E-13	9.58001E-12	2.1842E-14

514	571310.6	4178559	0.55, 41785	1.01245	1.08581	1.02025	169.23295	65.49002	155.67948	26.6418	16.91234	25.18935	5.16E-08	7.88E-06	1.28E-06	1.59E-11	4.81E-11	3.8E-11	2.76E-14	6.66E-13	5.01E-14	7.43883E-13	5.165E-08	7.8799E-06	1.28E-06	1.63014E-11	1.11501E-13	8.13654E-12	1.8551E-14
515	571350.6	4178559	0.55, 41785	0.8838	0.94242	0.90608	194.09519	63.64749	285.0024	28.90026	14.99354	40.61241	4.59E-08	1.44E-05	2.06E-06	1.42E-11	4.27E-11	3.38E-11	2.45E-14	5.92E-13	4.45E-14	6.60635E-13	4.587E-08	1.4425E-05	2.06E-06	1.44771E-11	9.90234E-14	7.22598E-12	1.6475E-14
516	571390.6	4178559	0.55, 41785	0.78025	0.82372	0.8159	158.10154	57.98385	206.74246	23.81897	12.89204	30.22211	4.13E-08	1.05E-05	1.53E-06	1.27E-11	3.85E-11	3.04E-11	2.21E-14	5.33E-13	4.01E-14	5.94879E-13	4.13E-08	1.0464E-05	1.53E-06	1.30361E-11	8.91671E-14	6.50675E-12	1.4835E-14
517	571430.6	4178559	0.55, 41785	0.68512	0.72115	0.71821	137.68904	52.2569	180.06144	18.93914	11.62385	25.68604	3.64E-08	9.11E-06	1.3E-06	1.12E-11	3.39E-11	2.68E-11	1.94E-14	4.69E-13	3.53E-14	5.23652E-13	3.636E-08	9.1137E-06	1.3E-06	1.14753E-11	7.84908E-14	5.72767E-12	1.3059E-14
518	571470.6	4178559	0.55, 41785	0.60049	0.63425	0.62389	143.56241	49.93475	187.32246	19.90478	10.29716	25.60594	3.16E-08	9.48E-06	1.3E-06	9.75E-12	2.94E-11	2.32E-11	1.69E-14	4.07E-13	3.07E-14	4.54884E-13	3.158E-08	9.4811E-06	1.3E-06	9.96828E-12	6.81831E-14	4.97549E-12	1.1344E-14
519	571510.6	4178559	0.55, 41785	0.52736	0.56045	0.5447	131.02036	47.72087	167.66109	18.26486	8.99798	23.11602	2.76E-08	8.49E-06	1.17E-06	8.51E-12	2.57E-11	2.03E-11	1.47E-14	3.56E-13	2.68E-14	3.97147E-13	2.757E-08	8.486E-06	1.17E-06	8.70304E-12	5.95288E-14	4.34397E-12	9.9042E-15
520	571550.6	4178559	0.55, 41785	0.46874	0.49944	0.48529	99.50634	45.73793	109.0385	14.05158	8.03042	15.4257	2.46E-08	5.52E-06	7.81E-07	7.58E-12	2.29E-11	1.81E-11	1.31E-14	3.17E-13	2.39E-14	3.53831E-13	2.457E-08	5.5191E-06	7.81E-07	7.75381E-12	5.30361E-14	3.87017E-12	8.824E-15
521	571590.6	4178559	0.55, 41785	0.42104	0.44786	0.43792	63.39282	43.98321	60.02596	9.17705	7.35207	9.24249	2.22E-08	3.04E-06	4.68E-07	6.84E-12	2.07E-11	1.63E-11	1.18E-14	2.86E-13	2.15E-14	3.19292E-13	2.217E-08	3.0385E-06	4.68E-07	6.99693E-12	4.7859E-14	3.49239E-12	7.9627E-15
522	570310.6	4178599	0.55, 41785	0.10507	0.08466	0.09914	83.25071	28.48032	95.05484	11.19876	3.62883	12.56574	5.02E-09	4.81E-06	6.36E-07	1.55E-12	4.68E-12	3.69E-12	2.68E-15	6.47E-14	4.87E-15	7.22812E-14	5.019E-09	4.8112E-06	6.36E-07	1.58396E-12	1.08343E-14	7.90607E-13	1.8026E-15
523	570350.6	4178599	0.55, 41785	0.11716	0.09561	0.10985	88.57329	30.33455	103.53599	11.44069	3.79182	12.942	5.56E-09	5.24E-06	6.55E-07	1.72E-12	5.18E-12	4.09E-12	2.97E-15	7.17E-14	5.4E-15	8.009E-14	5.561E-09	5.2404E-06	6.55E-07	1.75508E-12	1.20048E-14	8.76019E-13	1.9973E-15
524	570390.6	4178599	0.55, 41785	0.13131	0.10865	0.12235	93.2639	32.45644	112.44406	11.65799	4.05706	14.05551	6.19E-09	5.69E-06	7.12E-07	1.91E-12	5.77E-12	4.56E-12	3.31E-15	7.99E-14	6.01E-15	8.9204E-14	6.194E-09	5.6913E-06	7.12E-07	1.95481E-12	1.33709E-14	9.75707E-13	2.2246E-15
525	570430.6	4178599	0.55, 41785	0.15022	0.126	0.13878	103.53542	36.02365	122.12845	12.94193	4.50296	15.26606	7.03E-09	6.18E-06	7.73E-07	2.17E-12	6.55E-12	5.17E-12	3.75E-15	9.06E-14	6.82E-15	1.01183E-13	7.025E-09	6.1815E-06	7.73E-07	2.21732E-12	1.51665E-14	1.10674E-12	2.5234E-15
526	570470.6	4178599	0.55, 41785	0.17421	0.14819	0.15942	115.63183	39.91557	131.63773	14.45398	5.34922	16.45472	8.07E-09	6.66E-06	8.33E-07	2.49E-12	7.52E-12	5.94E-12	4.31E-15	1.04E-13	7.84E-15	1.16233E-13	8.07E-09	6.6628E-06	8.33E-07	2.54711E-12	1.74222E-14	1.27134E-12	2.8987E-15
527	570510.6	4178599	0.55, 41785	0.20799	0.17912	0.18803	128.15759	44.54205	154.67263	16.0197	6.36274	19.33408	9.52E-09	7.83E-06	9.79E-07	2.94E-12	8.87E-12	7.01E-12	5.08E-15	1.23E-13	9.24E-15	1.37093E-13	9.519E-09	7.8286E-06	9.79E-07	3.00424E-12	2.0549E-14	1.49951E-12	3.4189E-15
528	570550.6	4178599	0.55, 41785	0.25382	0.22088	0.22625	141.74172	51.90419	182.47104	17.71771	7.41488	22.80888	1.15E-08	9.24E-06	1.15E-06	3.53E-12	1.07E-11	8.43E-12	6.12E-15	1.48E-13	1.11E-14	1.6496E-13	1.145E-08	9.2356E-06	1.15E-06	3.61492E-12	2.4726E-14	1.80432E-12	4.1139E-15
529	570590.6	4178599	0.55, 41785	0.31442	0.27626	0.27638	161.8077	62.94071	207.9054	20.22596	8.27119	25.98817	1.4E-08	1.05E-05	1.32E-06	4.32E-12	1.3E-11	1.03E-11	7.47E-15	1.8E-13	1.36E-14	2.01511E-13	1.399E-08	1.0523E-05	1.32E-06	4.4159E-12	3.02048E-14	2.20412E-12	5.0254E-15
530	570630.6	4178599	0.55, 41785	0.39904	0.35395	0.34775	187.04764	77.01967	233.41259	23.38095	12.20463	29.17657	1.76E-08	1.18E-05	1.48E-06	5.43E-12	1.64E-11	1.3E-11	9.4E-15	2.27E-13	1.71E-14	2.53549E-13	1.76E-08	1.1814E-05	1.48E-06	5.55625E-12	3.80048E-14	2.7733E-12	6.3231E-15
531	570670.6	4178599	0.55, 41785	0.52025	0.46779	0.4567	203.91154	89.67976	314.96286	27.18561	17.16092	39.37036	2.31E-08	1.59E-05	1.99E-06	7.13E-12	2.15E-11	1.7E-11	1.23E-14	2.98E-13	2.24E-14	3.32986E-13	2.312E-08	1.5942E-05	1.99E-06	7.29703E-12	4.99117E-14	3.64218E-12	8.3042E-15
532	570710.6	4178599	0.55, 41785	0.68748	0.63563	0.62617	226.5911	101.22552	383.25212	32.37016	22.387	47.90652	3.17E-08	1.94E-05	2.42E-06	9.78E-12	2.95E-11	2.33E-11	1.69E-14	4.09E-13	3.08E-14	4.56548E-13	3.17E-08	1.9398E-05	2.42E-06	1.00047E-11	6.84325E-14	4.99369E-12	1.1386E-14
533	570750.6	4178599	0.55, 41785	0.91976	0.89022	0.88415	243.41497	114.05895	499.75889	34.77357	31.00996	69.4997	4.48E-08	2.53E-05	3.52E-06	1.38E-11	4.17E-11	3.29E-11	2.39E-14	5.77E-13	4.35E-14	6.44642E-13	4.476E-08	2.5294E-05	3.52E-06	1.41266E-11	9.66261E-14	7.05105E-12	1.6076E-14
534	570790.6	4178599	0.55, 41785	1.20615	1.22781	1.16033	261.32328	130.44037	537.17009	39.31654	39.06207	73.65107	5.87E-08	2.72E-05	3.73E-06	1.81E-11	5.47E-11	4.32E-11	3.14E-14	7.58E-13	5.7E-14	8.46018E-13	5.874E-08	2.7188E-05	3.73E-06	1.85396E-11	1.26811E-13	9.25368E-12	2.1098E-14
535	570830.6	4178599	0.55, 41785	1.86035	2.06593	1.53512	307.79075	158.37727	606.96091	57.33573	51.17396	80.52216	7.77E-08	3.07E-05	4.08E-06	2.4E-11	7.24E-11	5.72E-11	4.15E-14	1E-12	7.55E-14	1.11937E-12	7.772E-08	3.072E-05	4.08E-06	2.45297E-11	1.67783E-13	1.22436E-11	2.7915E-14
536	570870.6	4178599	0.55, 41785	2.81953	3.8452	1.88016	429.66876	238.19724	679.18896	77.96533	87.47681	90.64703	9.52E-08	3.44E-05	4.59E-06	2.94E-11	8.87E-11	7.01E-11	5.08E-14	1.23E-12	9.24E-14	1.37121E-12	9.521E-08	3.4377E-05	4.59E-06	3.00486E-11	2.05532E-13	1.49982E-11	3.4196E-14
537	570910.6	4178599	0.55, 41785	4.21414	6.38342	2.32175	555.65098	273.48442	945.27353	124.98504	103.73159	124.24769	1.18E-07	4.78E-05	6.29E-06	3.63E-11	1.1E-10	8.65E-11	6.28E-14	1.52E-12	1.14E-13	1.69357E-12	1.176E-07	4.7844E-05	6.29E-06	3.71128E-11	2.53852E-13	1.85242E-11	4.2235E-14
538	570950.6	4178599	0.55, 41785	4.59898	4.54538	2.28746	563.80012	195.03038	769.06119	96.52509	58.5202	125.1466	1.16E-07	3.89E-05	6.33E-06	3.57E-11	1.08E-10	8.52E-11	6.18E-14	1.49E-12	1.12E-13	1.66826E-12	1.158E-07	3.8925E-05	6.33E-06	3.6558E-11	2.50057E-13	1.82473E-11	4.1604E-14
539	570990.6	4178599	0.55, 41785	3.82228	3.4158	2.10211	387.45867	157.86758	722.29473	74.93195	45.58999	97.36969	1.06E-07	3.66E-05	4.93E-06	3.28E-11	9.92E-11	7.83E-11	5.68E-14	1.37E-12	1.03E-13	1.53293E-12	1.064E-07	3.6558E-05	4.93E-06	3.35926E-11	2.29773E-13	1.67671E-11	3.8229E-14
540	571030.6	4178599	0.55, 41785	3.02247	2.69987	1.99871	442.17309	124.03841	776.22539	67.82636	38.72372	97.59907	1.01E-07	3.93E-05	4.94E-06	3.12E-11	9.43E-11	7.45E-11	5.4E-14	1.31E-12	9.82E-14	1.45742E-12	1.012E-07	3.9287E-05	4.94E-06	3.19378E-11	2.18454E-13	1.59412E-11	3.6346E-14
541	571070.6	4178599	0.55, 41785	2.43201	2.20804	1.81695	323.32852	105.96293	523.5768	49.87717	32.54487	75.45431	9.2E-08	2.65E-05	3.82E-06	2.84E-11	8.57E-11	6.77E-11	4.91E-14	1.19E-12	8.93E-14	1.32483E-12	9.199E-08	2.65E-05	3.82E-06	2.90323E-11	1.98581E-13	1.44909E-11	3.3039E-14
542	571110.6	4178599	0.55, 41785	1.9361	1.83698	1.53551	285.52756	89.63178	395.42144	42.26506	28.59229	57.87538	7.77E-08	2E-05	2.93E-06	2.4E-11	7.24E-11	5.72E-11	4.15E-14	1E-12	7.55E-14	1.11961E-12	7.774E-08	2.0014E-05	2.93E-06	2.45351E-11	1.6782E-13	1.22463E-11	2.7921E-14
543	571150.6	4178599	0.55, 41785	1.58315	1.55537	1.34493	182.41041	88.91432	301.39134	29.75311	25.20352	37.67392	6.81E-08	1.53E-05	1.91E-06	2.1E-11	6.34E-11	5.01E-11	3.64E-14	8.78E-13	6.61E-14	9.80641E-13	6.809E-08	1.5255E-05	1.91E-06	2.14897E-11	1.46989E-13	1.07262E-11	2.4456E-14
544	571190.6	4178599	0.55, 41785	1.33739	1.33597	1.20735	189.26194	77.8274	237.13522	24.55337	21.99349	31.52399	6.11E-08	1.2E-05	1.6E-06	1.89E-11	5.69E-11	4.5E-11	3.26E-14	7.88E-13	5.93E-14	8.80313E-13	6.112E-08	1.2003E-05	1.6E-06	1.92911E-11	1.31951E-13	9.6288E-12	2.1954E-14
545	571230.6	4178599	0.55, 41785	1.14183	1.1549	1.07779	177.02423	70.01737	247.02933	25.42204	18.83046	36.19826	5.46E-08	1.25E-05	1.83E-06	1.68E-11	5.08E-11	4.02E-11	2.91E-14	7.04E-13	5.3E-14	7.85839E-13	5.456E-08	1.2503E-05	1.83E-06	1.72208E-11	1.1779E-13	8.59546E-12	1.9598E-14
546	571270.6	4178599	0.55, 41785	0.97959	1.00523	0.95378	160.46118	68.49541	236.51718	22.92303	16.81937	33.9008	4.83E-08	1.2E-05	1.72E-06	1.49E-11	4.5E-11	3.55E-11	2.58E-14	6.23E-13	4.69E-14	6.95418E-13	4.828E-08	1.1971E-05	1.72E-06	1.52393E-11	1.04237E-13	7.60643E-12	1.7343E-14
547	571310.6	4178599	0.55, 41785	0.84011	0.87488	0.82502	131.92842	62.86665	193.55215	16.49105	15.16442	24.19402	4.18E-08	9.8E-06	1.22E-06	1.29E-11	3.89E-11	3.07E-11	2.23E-14	5.39E-13	4.05E-14	6.01537E-13	4.177E-08	9.7966E-06	1.22E-06	1.3182E-11	9.01651E-14	6.57957E-12	1.5001E-14
548	571350.6	4178599	0.55, 41785	0.73896	0.77159	0.73066	149.85158	58.69155	153.82017	22.55392	13.49962	22.49489	3.7E-08	7.79E-06	1.14E-06	1.14E-11	3.45E-11	2.72E-11	1.98E-14	4.77E-13	3.59E-14	5.32737E-13	3.699E-08	7.7857E-06	1.14E-06	1.16743E-11	7.98525E-14	5.82704E-12	1.3286E-14
549	571390.6	4178599	0.55, 41785	0.661	0.68563	0.66671	168.50279	56.32456	235.09945	24.41155	12.10471	32.40344	3.38E-08	1.19E-05	1.64E-06	1.04E-11	3.14E-11	2.48E-11	1.8E-14	4.35E-13	3.28E-14	4.86106E-13	3.375E-08	1.1899E-05	1.64E-06	1.06525E-11	7.2863E-14	5.317E-12	1.2123E-14
550	571430.6	4178599	0.55, 41785	0.59511	0.61204	0.61151	136.17098	51.76249	171.68803	20.03651	10.61326	24.28892	3.1E-08	8.69E-06	1.23E-06	9.55E-12	2.88E-11	2.28E-11	1.65E-14	3.99E-13	3.01E-14	4.45856E-13	3.096E-08	8.6899E-06	1.23E-06	9.77045E-12	6.68299E-14	4.87674E-12	1.1119E-14
551	571470.6	4178599	0.55, 41785	0.53051	0.54561	0.54811	117.9441	47.17442	154.11151	16.84916	9.40387	22.01593	2.77E-08	7.8E-06	1.11E-06	8.56E-12	2.59E-11	2.04E-11	1.48E-14	3.58E-13	2.69E-14	3.9963E-13	2.775E-08	7.8003E-06	1.11E-06	8.75746E-12	5.9901E-14	4.37113E-12	9.9662E-15
552	571510.6	4178599	0.55, 41785	0.47218	0.48877	0.48576	120.07824	45.51387	145.12306	16.38718	8.49605	19.65912	2.46E-08	7.35E-06	9.95E-07	7.59E-12	2.29E-11	1.81E-11	1.31E-14	3.17E-13	2.39E-14	3.54171E-13	2.459E-08	7.3453E-06	9.95E-07	7.76128E-12	5.30871E-14	3.8739E-12	8.8325E-15
553	571550.6	4178599	0.55, 41785	0.42043	0.43954	0.43052	119.99429	43.92883	151.34582	16.43506	7.56489	20.5622	2.18E-08	7.66E-06	1.04E-06	6.73E-12	2.03E-11	1.6E-11	1.16E-14	2.81E-13	2.12E-14	3.13897E-13	2.179E-08	7.6603E-06	1.04E-06	6.8787E-12	4.70503E-14	3.43338E-12	7.8281E-15
554	571590.6	4178599	0.55, 41785	0.37632	0.39688	0.38556	100.33698	42.40478	116.86516	13.86046	7.00095	16.11187	1.95E-08	5.92E-06	8.16E-07	6.02E-12	1.82E-11	1.44E-11	1.04E-14	2.52E-13	1.89E-14	2.81116E-13	1.952E-08	5.9152E-06	8.16E-07	6.16036E-12	4.21368E-14	3.07483E-12	7.0106E-15
555	570310.6	4178639	0.55, 41786	0.10356	0.08559	0.09711	83.92303	29.66661	96.15389	10.49038	3.70833	12.01924	4.92E-09	4.87E-06	6.08E-07	1.52E-12	4.58E-12	3.62E-12	2.62E-15	6.34E-14	4.77E-15	7.08016E-14	4.916E-09	4.8668E-06	6.08E-07	1.55154E-12	1.06125E-14	7.74423E-13	1.7657E-15
556	570350.6	4178639	0.55, 41786	0.1161	0.09716	0.10841	92.63397	32.60646	103.61771	11.57925	4.08084	12.95221	5.49E-09	5.24E-06	6.56E-07	1.69E-12	5.11E-12	4.04E-12	2.93E-15	7.08E-14	5.33E-15	7.90406E-14	5.488E-09	5.2446E-06	6.56E-07	1.73209E-12	1.18475E-14	8.64541E-13	1.9712E-15
557	570390.6	4178639	0.55, 41786	0.13068	0.11086	0.1215	100.54346	34.97331	116.66288	12.56793	4.70976	14.58286	6.15E-09	5.9E-06	7.38E-07	1.9E-12	5.73E-12	4.53E-12	3.28E-15	7.93E-14	5.97E-15	8.85848E-14	6.151E-09	5.9048E-06	7.38E-07	1.94124E-12	1.32781E-14	9.68934E-13	2.2092E-15
558	570430.6	4178639	0.55, 41786	0.14929	0.12834	0.13819	107.49924	37.52244	130.89362	13.4374	5.36035	16.3617	7E-09	6.63E-06	8.28E-07	2.16E-12	6.52E-12	5.15E-12	3.74E-15	9.02E-14	6.79E-15	1.00754E-13	6.996E-09	6.6251E-06	8.28E-07	2.20791E-12	1.51021E-14	1.10204E-12	2.5126E-15
559	570470.6	4178639	0.55, 41786	0.17443	0.15183	0.16061	116.62505	42.4162	145.19757	14.57813	6.05946	18.1497	8.13E-09	7.35E-06	9.19E-07	2.51E-12	7.58E-12	5.98E-12	4.34E-15	1.05E-13	7.89E-15	1.17101E-13	8.131E-09	7.3491E-06	9.19E-07	2.56613E-12	1.75523E-14	1.28084E-12	2.9203E-15
560	570510.6	4178639	0.55, 41786	0.20768	0.18277	0.19013	127.00459	48.18252	156.06863	15.87557	6.71257	19.50858	9.62E-09	7.9E-06	9.88E-07	2.97E-12	8.97E-12	7.08E-12	5.14E-15	1.24E-13	9.34E-15	1.38624E-13	9.625E-09	7.8993E-06	9.88E-07	3.0378E-12	2.07785E-14	1.51626E-12	3.4571E-15
561	570550.6	4178639	0.55, 41786	0.2504	0.22269	0.22841	148.76746	59.99627	172.72318	18.59593	7.58374	21.5904	1.16E-08	8.74E-06	1.09E-06	3.57E-12	1.08E-11	8.51E-12	6.17E-15	1.49E-13	1.12E-14	1.66535E-13	1.156E-08	8.7424E-06	1.09E-06	3.64943E-12	2.49621E-14	1.82155E-12	4.1531E-15
562	570590.6	4178639	0.55, 41786	0.30521	0.27478	0.27907	162.38276	69.4472	222.88998	20.29784	10.74133	27.86125	1.41E-08	1.13E-05	1.41E-06	4.36E-12	1.32E-11	1.04E-11	7.54E-15	1.82E-13	1.37E-14	2.03472E-13	1.413E-08	1.1281E-05	1.41E-06	4.45886E-12	3.04986E-14	2.22556E-12	5.0743E-15
563	570630.6	4178639	0.55, 41786	0.37839	0.34592	0.35098	177.15033	78.68271	266.26636	23.7109	14.16715	33.28329	1.78E-08	1.35E-05	1.68E-06	5.48E-12	1.66E-11	1.31E-11	9.49E-15	2.29E-13	1.73E-14	2.55902E-13	1.777E-08	1.3477E-05	1.68E-06	5.6078E-12	3.83574E-14	2.79903E-12	6.3818E-15
564	570670.6	4178639	0.55, 41786	0.47152	0.44129	0.44999	194.04584	86.02037	313.51443	27.72083	17.24466	39.1893	2.28E-08	1.59E-05	1.98E-06	7.03E-12	2.12E-11	1.68E-11	1.22E-14	2.94E-13	2.21E-14	3.2809E-13	2.278E-08	1.5868E-05	1.98E-06	7.18973E-12	4.91777E-14	3.58862E-12	8.1821E-15
565	570710.6	4178639	0.55, 41786	0.59058	0.57043	0.57865	207.44684	93.90742	372.29223	29.63526	21.88085	53.1846	2.93E-08	1.88E-05	2.69E-06	9.04E-12	2.73E-11	2.16E-11	1.56E-14	3.78E-13	2.84E-14	4.21897E-13	2.929E-08	1.8843E-05	2.69E-06	9.2454E-12	6.32385E-14	4.61468E-12	1.0521E-14
566	570750.6	4178639	0.55, 41786	0.7421	0.74424	0.7234	219.27007	107.04803	379.32522	31.3243	27.05481	52.15596	3.66E-08	1.92E-05	2.64E-06	1.13E-11	3.41E-11	2.7E-11	1.96E-14	4.72E-13	3.56E-14	5.2744E-13	3.662E-08	1.9199E-05	2.64E-06	1.15583E-11	7.90586E-14	5.7691E-12	1.3154E-14
567	570790.6	4178639	0.55, 41786	0.94425	0.97087	0.85006	237.37937	117.94026	412.19598	33.01145	30.70173	55.76703	4.3E-08	2.09E-05	2.82E-06	1.33E-11	4.01E-11	3.17E-11	2.3E-14	5.55E-13	4.18E-14	6.19808E-13	4.303E-08	2.0863E-05	2.82E-06	1.35824E-11	9.29038E-14	6.77942E-12	1.5457E-14
568	570830.6	4178639	0.55, 41786	1.23329	1.33292	0.96284	295.25944	130.22679	473.13116	42.69044	39.99654	61.26658	4.87E-08	2.39E-05	3.1E-06	1.5E-11	4.54E-11	3.59E-11	2.6E-14	6.29E-13	4.73E-14	7.02085E-13	4.875E-08	2.3947E-05	3.1E-06	1.53854E-11	1.05236E-13	7.67936E-12	1.7509E-14
569	570870.6	4178639	0.55, 41786	1.50989	1.73214	1.20169	317.24906	188.19869	615.93486	58.25942	53.82297	76.99186	6.08E-08	3.12E-05	3.9E-06	1.88E-11	5.67E-11	4.48E-11	3.25E-14	7.85E-13	5.91E-14	8.76262E-13	6.084E-08	3.1175E-05	3.9E-06	1.92023E-11	1.31344E-13	9.5845E-12	2.1853E-14
570	570910.6	4178639	0.55, 41786	1.78259	1.99297	1.30656	332.58479	179.86407	638.76492	63.94152	52.98497	79.84561	6.62E-08	3.23E-05	4.04E-06	2.04E-11	6.16E-11	4.87E-11	3.53E-14	8.53E-13	6.42E-14	9.52755E-13	6.615E-08	3.233E-05	4.04E-06	2.08786E-11	1.4281E-13	1.04212E-11	2.376E-14
571	570950.6	4178639	0.55, 41786	1.86524	1.94862	1.2876	326.77204	147.92341	425.10208	57.64661	41.4452	82.66786	6.52E-08	2.15E-05	4.18E-06	2.01E-11	6.07E-11	4.8E-11	3.48E-14	8.41E-13	6.33E-14	9.38929E-13	6.519E-08	2.1517E-05	4.18E-06	2.05756E-11	1.40737E-13	1.02699E-11	2.3415E-14
572	570990.6	4178639	0.55, 41786	1.76592	1.78245	1.25006	311.73236	122.31574	573.48464	43.80696	33.57582	91.70195	6.33E-08	2.9E-05	4.64E-06	1.95E-11	5.9E-11	4.66E-11	3.38E-14	8.16E-13	6.14E-14	9.11534E-13	6.329E-08	2.9026E-05	4.64E-06	1.99753E-11	1.36631E-13	9.97029E-12	2.2732E-14
573	571030.6	4178639	0.55, 41786	1.5977	1.58915	1.17717	263.38378	106.70114	334.97263	40.88022	26.80487	57.79917	5.96E-08	1.7E-05	2.93E-06	1.84E-11	5.55E-11	4.39E-11	3.18E-14	7.69E-13	5.79E-14	8.58366E-13	5.96E-08	1.6955E-05	2.93E-06	1.88101E-11	1.28661E-13	9.38874E-12	2.1406E-14
574	571070.6	4178639	0.55, 41786	1.42629	1.41473	1.18099	323.91584	92.06505	516.79706	44.84431	24.93328	64.76299	5.98E-08	2.62E-05	3.28E-06	1.84E-11	5.57E-11	4.4E-11	3.19E-14	7.71E-13	5.8E-14	8.61115E-13	5.979E-08	2.6156E-05	3.28E-06	1.88704E-11	1.29074E-13	9.41882E-12	2.1475E-14
575	571110.6	4178639	0.55, 41786	1.27265	1.25146	1.07066	231.49813	85.11921	353.08688	34.4516	22.95032	48.16161	5.42E-08	1.79E-05	2.44E-06	1.67E-11	5.05E-11	3.99E-11	2.89E-14	6.99E-13	5.26E-14	7.80662E-13	5.42E-08	1.7871E-05	2.44E-06	1.71074E-11	1.17014E-13	8.53883E-12	1.9469E-14
576	571150.6	4178639	0.55, 41786	1.10067	1.1079	0.9372	235.36335	78.49538	345.02109	33.92291	20.75102	48.66179	4.74E-08	1.75E-05	2.46E-06	1.46E-11	4.42E-11	3.49E-11	2.53E-14	6.12E-13	4.61E-14	6.83353E-13	4.745E-08	1.7463E-05	2.46E-06	1.49749E-11	1.02429E-13	7.47447E-12	1.7042E-14
577	571190.6	4178639	0.55, 41786	0.96404	0.98605	0.85109	150.10185	73.9658	197.92558	22.00887	18.66835	28.93746	4.31E-08	1E-05	1.46E-06	1.33E-11	4.01E-11	3.17E-11	2.3E-14	5.56E-13	4.18E-14	6.20562E-13	4.309E-08	1.0018E-05	1.46E-06	1.35989E-11	9.30168E-14	6.78767E-12	1.5476E-14
578	571230.6	4178639	0.55, 41786	0.85847	0.87787	0.78438	130.71922	65.23747	181.52397	20.98447	16.26127	28.21366	3.97E-08	9.19E-06	1.43E-06	1.23E-11	3.7E-11	2.92E-11	2.12E-14	5.12E-13	3.86E-14	5.71915E-13	3.971E-08	9.1878E-06	1.43E-06	1.25329E-11	8.5725E-14	6.25557E-12	1.4263E-14
579	571270.6	4178639	0.55, 41786	0.76521	0.78388	0.72231	147.71702	61.52416	210.17535	22.46264	14.29709	35.02922	3.66E-08	1.06E-05	1.77E-06	1.13E-11	3.41E-11	2.69E-11	1.95E-14	4.72E-13	3.55E-14	5.26653E-13	3.657E-08	1.0638E-05	1.77E-06	1.1541E-11	7.89406E-14	5.7605E-12	1.3134E-14
580	571310.6	4178639	0.55, 41786	0.67814	0.70066	0.65218	136.41117	59.8434	199.34802	17.34958	13.40052	24.9185	3.3E-08	1.01E-05	1.26E-06	1.02E-11	3.08E-11	2.43E-11	1.76E-14	4.26E-13	3.21E-14	4.75518E-13	3.302E-08	1.009E-05	1.26E-06	1.04205E-11	7.1276E-14	5.20119E-12	1.1859E-14
581	571350.6	4178639	0.55, 41786	0.60279	0.6273	0.58324	124.67819	56.4143	162.56927	15.58477	12.33978	20.32116	2.95E-08	8.23E-06	1.03E-06	9.11E-12	2.75E-11	2.17E-11	1.58E-14	3.81E-13	2.87E-14	4.25253E-13	2.953E-08	8.2284E-06	1.03E-06	9.31895E-12	6.37416E-14	4.65138E-12	1.0605E-14
582	571390.6	4178639	0.55, 41786	0.54567	0.56561	0.53406	134.64293	53.30447	146.45838	19.4501	11.04071	20.47738	2.7E-08	7.41E-06	1.04E-06	8.34E-12	2.52E-11	1.99E-11	1.44E-14	3.49E-13	2.62E-14	3.89393E-13	2.704E-08	7.413E-06	1.04E-06	8.53312E-12	5.83665E-14	4.25915E-12	9.7109E-15
583	571430.6	4178639	0.55, 41786	0.50035	0.51255	0.49968	147.79016	50.85435	197.85336	20.77571	9.97795	26.64502	2.53E-08	1E-05	1.35E-06	7.81E-12	2.36E-11	1.86E-11	1.35E-14	3.26E-13	2.46E-14	3.64323E-13	2.53E-08	1.0014E-05	1.35E-06	7.98373E-12	5.46087E-14	3.98493E-12	9.0857E-15
584	571470.6	4178639	0.55, 41786	0.45884	0.46513	0.46599	118.76181	47.03177	145.5886	16.94782	8.9119	19.9832	2.36E-08	7.37E-06	1.01E-06	7.28E-12	2.2E-11	1.74E-11	1.26E-14	3.04E-13	2.29E-14	3.39756E-13	2.359E-08	7.3689E-06	1.01E-06	7.44539E-12	5.09264E-14	3.71623E-12	8.473E-15
585	571510.6	4178639	0.55, 41786	0.41516	0.4204	0.42431	105.04191	43.02213	132.76114	15.00599	7.61313	18.96588	2.15E-08	6.72E-06	9.6E-07	6.63E-12	2E-11	1.58E-11	1.15E-14	2.77E-13	2.09E-14	3.09367E-13	2.148E-08	6.7197E-06	9.6E-07	6.77943E-12	4.63713E-14	3.38383E-12	7.7151E-15
586	571550.6	4178639	0.55, 41786	0.37489	0.38245	0.3824	101.59712	41.64808	125.74417	13.25702	7.0054	15.71802	1.94E-08	6.36E-06	7.96E-07	5.97E-12	1.8E-11	1.42E-11	1.03E-14	2.5E-13	1.88E-14	2.7881E-13	1.936E-08	6.3645E-06	7.96E-07	6.10982E-12	4.17912E-14	3.04961E-12	6.9531E-15
587	571590.6	4178639	0.55, 41786	0.33863	0.34937	0.34405	106.83121	40.48294	130.44071	14.45913	6.53587	17.55635	1.74E-08	6.6E-06	8.89E-07	5.37E-12	1.62E-11	1.28E-11	9.3E-15	2.25E-13	1.69E-14	2.5085E-13	1.742E-08	6.6022E-06	8.89E-07	5.49711E-12	3.76002E-14	2.74378E-12	6.2558E-15
588	570310.6	4178679	0.55, 41786	0.10291	0.0869	0.09701	88.39628	30.98258	103.31105	11.04953	4.21243	12.91388	4.91E-09	5.23E-06	6.54E-07	1.52E-12	4.58E-12	3.61E-12	2.62E-15	6.33E-14	4.77E-15	7.0729E-14	4.911E-09	5.229E-06	6.54E-07	1.54995E-12	1.06016E-14	7.73629E-13	1.7639E-15
589	570350.6	4178679	0.55, 41786	0.11574	0.09888	0.10892	93.23081	33.32166	112.3331	11.65385	4.76024	14.04164	5.51E-09	5.69E-06	7.11E-07	1.7E-12	5.14E-12	4.06E-12	2.94E-15	7.11E-14	5.35E-15	7.94127E-14	5.514E-09	5.6857E-06	7.11E-07	1.74024E-12	1.19033E-14	8.6861E-13	1.9804E-15
590	570390.6	4178679	0.55, 41786	0.13137	0.11361	0.12342	99.39798	36.831	119.21549	12.42475	5.26157	14.90194	6.25E-09	6.03E-06	7.54E-07	1.93E-12	5.82E-12	4.6E-12	3.34E-15	8.06E-14	6.07E-15	8.99848E-14	6.248E-09	6.034E-06	7.54E-07	1.97192E-12	1.34879E-14	9.84247E-13	2.2441E-15
591	570430.6	4178679	0.55, 41786	0.15074	0.13191	0.14135	105.99103	39.73692	126.723	13.24888	5.6767	15.84037	7.16E-09	6.41E-06	8.02E-07	2.21E-12	6.67E-12	5.27E-12	3.82E-15	9.23E-14	6.95E-15	1.03058E-13	7.156E-09	6.414E-06	8.02E-07	2.2584E-12	1.54474E-14	1.12724E-12	2.5701E-15
592	570470.6	4178679	0.55, 41786	0.17494	0.15487	0.16378	121.69462	47.75873	135.7735	15.21183	5.96984	16.97169	8.29E-09	6.87E-06	8.59E-07	2.56E-12	7.72E-12	6.1E-12	4.43E-15	1.07E-13	8.05E-15	1.19412E-13	8.291E-09	6.8722E-06	8.59E-07	2.61678E-12	1.78988E-14	1.30612E-12	2.9779E-15
593	570510.6	4178679	0.55, 41786	0.2057	0.18414	0.19253	135.37794	56.46386	170.3708	16.92224	7.12807	21.29635	9.75E-09	8.62E-06	1.08E-06	3.01E-12	9.08E-12	7.17E-12	5.2E-15	1.26E-13	9.46E-15	1.40374E-13	9.746E-09	8.6233E-06	1.08E-06	3.07614E-12	2.10408E-14	1.5354E-12	3.5007E-15
594	570550.6	4178679	0.55, 41786	0.2434	0.22078	0.22908	142.10791	62.60325	200.29273	17.76349	9.55219	25.03659	1.16E-08	1.01E-05	1.27E-06	3.58E-12	1.08E-11	8.53E-12	6.19E-15	1.5E-13	1.13E-14	1.67023E-13	1.16E-08	1.0138E-05	1.27E-06	3.66012E-12	2.50352E-14	1.82688E-12	4.1653E-15
595	570590.6	4178679	0.55, 41786	0.29132	0.2684	0.27784	157.44437	70.02377	210.9671	21.20731	12.01595	26.37089	1.41E-08	1.07E-05	1.33E-06	4.34E-12	1.31E-11	1.04E-11	7.51E-15	1.81E-13	1.37E-14	2.02574E-13	1.407E-08	1.0678E-05	1.33E-06	4.43918E-12	3.0364E-14	2.21574E-12	5.0519E-15
596	570630.6	4178679	0.55, 41786	0.34871	0.32823	0.33909	170.78411	74.6949	263.98396	24.39773	14.09383	33.40233	1.72E-08	1.34E-05	1.69E-06	5.3E-12	1.6E-11	1.26E-11	9.17E-15	2.21E-13	1.67E-14	2.47231E-13	1.717E-08	1.3361E-05	1.69E-06	5.4178E-12	3.70578E-14	2.7042E-12	6.1656E-15
597	570670.6	4178679	0.55, 41786	0.41782	0.40379	0.41108	181.29369	80.27499	295.25985	25.8991	15.99045	42.12286	2.08E-08	1.49E-05	2.13E-06	6.42E-12	1.94E-11	1.53E-11	1.11E-14	2.68E-13	2.02E-14	2.9972E-13	2.081E-08	1.4944E-05	2.13E-06	6.56804E-12	4.49254E-14	3.27832E-12	7.4746E-15
598	570710.6	4178679	0.55, 41786	0.49876	0.49687	0.48618	185.88712	90.92914	287.65142	26.5553	19.21501	39.31628	2.46E-08	1.46E-05	1.99E-06	7.59E-12	2.29E-11	1.81E-11	1.31E-14	3.17E-13	2.39E-14	3.54479E-13	2.461E-08	1.4559E-05	1.99E-06	7.76803E-12	5.31333E-14	3.87727E-12	8.8402E-15
599	570750.6	4178679	0.55, 41786	0.59336	0.60818	0.55751	195.07014	97.11431	330.72411	27.40212	20.89244	45.57898	2.82E-08	1.67E-05	2.31E-06	8.71E-12	2.63E-11	2.08E-11	1.51E-14	3.64E-13	2.74E-14	4.06494E-13	2.822E-08	1.6739E-05	2.31E-06	8.90788E-12	6.09299E-14	4.44621E-12	1.0137E-14
600	570790.6	4178679	0.55, 41786	0.71288	0.74367	0.61675	232.56486	100.08812	327.08033	29.70634	25.09865	40.88504	3.12E-08	1.66E-05	2.07E-06	9.64E-12	2.91E-11	2.3E-11	1.67E-14	4.03E-13	3.03E-14	4.49702E-13	3.122E-08	1.6555E-05	2.07E-06	9.85472E-12	6.74063E-14	4.9188E-12	1.1215E-14
601	570830.6	4178679	0.55, 41786	0.82835	0.8948	0.66469	250.25968	113.32691	367.70207	36.36599	33.16876	46.21837	3.37E-08	1.86E-05	2.34E-06	1.04E-11	3.14E-11	2.48E-11	1.8E-14	4.34E-13	3.27E-14	4.84675E-13	3.365E-08	1.8611E-05	2.34E-06	1.06211E-11	7.26485E-14	5.30134E-12	1.2087E-14
602	570870.6	4178679	0.55, 41786	0.92801	1.04065	0.83445	269.45277	158.88347	492.55659	39.41339	35.15016	62.53118	4.22E-08	2.49E-05	3.17E-06	1.3E-11	3.94E-11	3.11E-11	2.26E-14	5.45E-13	4.1E-14	6.08442E-13	4.225E-08	2.493E-05	3.17E-06	1.33333E-11	9.12001E-14	6.6551E-12	1.5174E-14
603	570910.6	4178679	0.55, 41786	1.03394	1.13081	0.83809	259.70616	144.94226	471.11442	42.20689	35.5523	58.8893	4.24E-08	2.38E-05	2.98E-06	1.31E-11	3.95E-11	3.12E-11	2.27E-14	5.47E-13	4.12E-14	6.11114E-13	4.243E-08	2.3845E-05	2.98E-06	1.33919E-11	9.16005E-14	6.68432E-12	1.524E-14
604	570950.6	4178679	0.55, 41786	1.05684	1.13643	0.82319	242.80014	123.49716	418.67106	39.92153	30.15323	58.18912	4.17E-08	2.12E-05	2.95E-06	1.29E-11	3.88E-11	3.07E-11	2.23E-14	5.38E-13	4.05E-14	6.00255E-13	4.168E-08	2.1191E-05	2.95E-06	1.31539E-11	8.99728E-14	6.56554E-12	1.4969E-14
605	570990.6	4178679	0.55, 41786	1.01802	1.09421	0.82722	255.86386	105.93706	407.98363	37.15781	26.85338	67.99727	4.19E-08	2.06E-05	3.44E-06	1.29E-11	3.9E-11	3.08E-11	2.24E-14	5.4E-13	4.07E-14	6.03184E-13	4.188E-08	2.065E-05	3.44E-06	1.32181E-11	9.04119E-14	6.59758E-12	1.5042E-14
606	571030.6	4178679	0.55, 41786	0.98373	1.03259	0.8073	224.24787	96.85684	406.17161	32.03518	21.71644	50.77145	4.09E-08	2.06E-05	2.57E-06	1.26E-11	3.81E-11	3.01E-11	2.18E-14	5.27E-13	3.97E-14	5.88652E-13	4.087E-08	2.0558E-05	2.57E-06	1.28997E-11	8.82337E-14	6.43864E-12	1.468E-14
607	571070.6	4178679	0.55, 41786	0.92088	0.95493	0.77727	234.21131	81.25508	306.97474	29.84103	18.74017	38.37184	3.94E-08	1.55E-05	1.94E-06	1.21E-11	3.67E-11	2.9E-11	2.1E-14	5.08E-13	3.82E-14	5.66748E-13	3.935E-08	1.5537E-05	1.94E-06	1.24197E-11	8.49505E-14	6.19905E-12	1.4134E-14
608	571110.6	4178679	0.55, 41786	0.85296	0.87816	0.75636	249.82687	76.90023	376.11255	32.83771	18.41049	47.06858	3.83E-08	1.9E-05	2.38E-06	1.18E-11	3.57E-11	2.82E-11	2.04E-14	4.94E-13	3.72E-14	5.51491E-13	3.829E-08	1.9036E-05	2.38E-06	1.20853E-11	8.26636E-14	6.03217E-12	1.3753E-14
609	571150.6	4178679	0.55, 41786	0.78449	0.80428	0.7091	184.12399	71.8753	265.86204	26.94504	17.68151	37.98029	3.59E-08	1.35E-05	1.92E-06	1.11E-11	3.34E-11	2.64E-11	1.92E-14	4.63E-13	3.49E-14	5.17028E-13	3.59E-08	1.3456E-05	1.92E-06	1.13301E-11	7.7498E-14	5.65522E-12	1.2894E-14
610	571190.6	4178679	0.55, 41786	0.70872	0.73542	0.64227	192.12547	69.23049	267.93218	27.25383	16.04767	37.1098	3.25E-08	1.36E-05	1.88E-06	1E-11	3.03E-11	2.39E-11	1.74E-14	4.19E-13	3.16E-14	4.68302E-13	3.252E-08	1.3561E-05	1.88E-06	1.02623E-11	7.01943E-14	5.12225E-12	1.1679E-14
611	571230.6	4178679	0.55, 41786	0.64141	0.6715	0.58509	152.95792	62.82263	210.7281	21.78847	14.44714	29.62503	2.96E-08	1.07E-05	1.5E-06	9.14E-12	2.76E-11	2.18E-11	1.58E-14	3.82E-13	2.88E-14	4.2661E-13	2.962E-08	1.0666E-05	1.5E-06	9.34869E-12	6.3945E-14	4.66623E-12	1.0639E-14
612	571270.6	4178679	0.55, 41786	0.5854	0.61191	0.54631	124.65244	57.66905	171.62004	20.54509	12.75642	28.60334	2.77E-08	8.69E-06	1.45E-06	8.53E-12	2.58E-11	2.04E-11	1.48E-14	3.57E-13	2.69E-14	3.98331E-13	2.766E-08	8.6865E-06	1.45E-06	8.72899E-12	5.97063E-14	4.35692E-12	9.9338E-15
613	571310.6	4178679	0.55, 41786	0.53447	0.5582	0.50849	125.80787	55.1913	171.33448	17.97255	11.70277	24.47635	2.57E-08	8.67E-06	1.24E-06	7.94E-12	2.4E-11	1.89E-11	1.37E-14	3.32E-13	2.5E-14	3.70753E-13	2.574E-08	8.672E-06	1.24E-06	8.12465E-12	5.55726E-14	4.05527E-12	9.246E-15
614	571350.6	4178679	0.55, 41786	0.48504	0.50906	0.46427	111.39997	53.56601	157.83086	13.925	11.19981	19.72886	2.35E-08	7.99E-06	9.99E-07	7.25E-12	2.19E-11	1.73E-11	1.25E-14	3.03E-13	2.28E-14	3.38511E-13	2.35E-08	7.9886E-06	9.99E-07	7.4181E-12	5.07398E-14	3.70261E-12	8.442E-15
615	571390.6	4178679	0.55, 41786	0.44312	0.4655	0.42576	107.51836	51.27371	117.14548	13.43979	10.40254	14.64318	2.16E-08	5.93E-06	7.41E-07	6.65E-12	2.01E-11	1.59E-11	1.15E-14	2.78E-13	2.09E-14	3.10432E-13	2.155E-08	5.9295E-06	7.41E-07	6.80278E-12	4.6531E-14	3.39548E-12	7.7417E-15
616	571430.6	4178679	0.55, 41786	0.41031	0.42684	0.39928	122.12368	48.88835	136.65658	17.23844	9.36082	18.91196	2.02E-08	6.92E-06	9.57E-07	6.24E-12	1.88E-11	1.49E-11	1.08E-14	2.61E-13	1.96E-14	2.91123E-13	2.021E-08	6.9169E-06	9.57E-07	6.37964E-12	4.36368E-14	3.18428E-12	7.2602E-15
617	571470.6	4178679	0.55, 41786	0.38401	0.39267	0.38101	130.83453	46.56818	169.29762	18.03085	8.50414	22.62935	1.93E-08	8.57E-06	1.15E-06	5.95E-12	1.8E-11	1.42E-11	1.03E-14	2.49E-13	1.87E-14	2.77799E-13	1.929E-08	8.5688E-06	1.15E-06	6.08767E-12	4.16396E-14	3.03855E-12	6.9279E-15
618	571510.6	4178679	0.55, 41786	0.35733	0.36026	0.36021	104.69184	43.30646	125.50481	14.57371	7.68103	16.95061	1.82E-08	6.35E-06	8.58E-07	5.63E-12	1.7E-11	1.34E-11	9.74E-15	2.35E-13	1.77E-14	2.62632E-13	1.824E-08	6.3524E-06	8.58E-07	5.75528E-12	3.93661E-14	2.87265E-12	6.5496E-15
619	571550.6	4178679	0.55, 41786	0.32923	0.33046	0.33426	93.91251	40.06683	115.0705	13.41607	6.60436	16.43864	1.69E-08	5.82E-06	8.32E-07	5.22E-12	1.58E-11	1.25E-11	9.04E-15	2.18E-13	1.64E-14	2.43711E-13	1.692E-08	5.8243E-06	8.32E-07	5.34065E-12	3.653E-14	2.66569E-12	6.0778E-15
620	571590.6	4178679	0.55, 41786	0.30119	0.30402	0.3057	90.51235	37.8645	108.48539	11.49242	5.95997	13.56067	1.55E-08	5.49E-06	6.86E-07	4.78E-12	1.44E-11	1.14E-11	8.26E-15	2E-13	1.5E-14	2.22888E-13	1.548E-08	5.491E-06	6.86E-07	4.88434E-12	3.34089E-14	2.43793E-12	5.5585E-15
621	570310.6	4178719	0.55, 41787	0.10285	0.08839	0.09803	86.08959	31.99227	98.88317	10.7612	4.57032	12.3604	4.96E-09	5E-06	6.26E-07	1.53E-12	4.62E-12	3.65E-12	2.65E-15	6.4E-14	4.82E-15	7.14727E-14	4.963E-09	5.005E-06	6.26E-07	1.56625E-12	1.07131E-14	7.81764E-13	1.7824E-15
622	570350.6	4178719	0.55, 41787	0.11563	0.10049	0.11012	90.6137	34.18211	105.82439	11.32671	4.88316	13.22805	5.57E-09	5.36E-06	6.7E-07	1.72E-12	5.19E-12	4.1E-12	2.98E-15	7.19E-14	5.41E-15	8.02877E-14	5.575E-09	5.3563E-06	6.7E-07	1.75942E-12	1.20344E-14	8.78181E-13	2.0023E-15
623	570390.6	4178719	0.55, 41787	0.13114	0.11521	0.12472	102.01088	38.97546	110.90458	12.75136	5.08393	13.86307	6.31E-09	5.61E-06	7.02E-07	1.95E-12	5.88E-12	4.65E-12	3.37E-15	8.14E-14	6.13E-15	9.09327E-14	6.314E-09	5.6135E-06	7.02E-07	1.99269E-12	1.363E-14	9.94615E-13	2.2677E-15
624	570430.6	4178719	0.55, 41787	0.15	0.13322	0.1425	114.28488	46.41789	135.81295	14.28561	5.80224	16.97662	7.21E-09	6.87E-06	8.59E-07	2.23E-12	6.72E-12	5.31E-12	3.85E-15	9.3E-14	7E-15	1.03896E-13	7.214E-09	6.8742E-06	8.59E-07	2.27677E-12	1.55731E-14	1.13641E-12	2.591E-15
625	570470.6	4178719	0.55, 41787	0.17288	0.1553	0.16447	122.16306	52.59309	158.80652	15.27038	6.67803	19.85082	8.33E-09	8.04E-06	1E-06	2.57E-12	7.76E-12	6.13E-12	4.45E-15	1.07E-13	8.08E-15	1.19915E-13	8.326E-09	8.038E-06	1E-06	2.6278E-12	1.79742E-14	1.31162E-12	2.9905E-15
626	570510.6	4178719	0.55, 41787	0.1999	0.18201	0.19124	126.87173	56.8638	170.00598	15.85897	8.56143	21.25075	9.68E-09	8.6E-06	1.08E-06	2.99E-12	9.02E-12	7.13E-12	5.17E-15	1.25E-13	9.4E-15	1.39433E-13	9.681E-09	8.6048E-06	1.08E-06	3.05552E-12	2.08998E-14	1.52511E-12	3.4772E-15
627	570550.6	4178719	0.55, 41787	0.2328	0.21534	0.22528	141.7684	62.68438	190.3461	19.27806	10.36338	23.79326	1.14E-08	9.63E-06	1.2E-06	3.52E-12	1.06E-11	8.39E-12	6.09E-15	1.47E-13	1.11E-14	1.64252E-13	1.14E-08	9.6343E-06	1.2E-06	3.59939E-12	2.46199E-14	1.79657E-12	4.0962E-15
628	570590.6	4178719	0.55, 41787	0.2704	0.25529	0.2651	152.6333	65.86327	220.26265	21.80476	11.76563	29.62209	1.34E-08	1.11E-05	1.5E-06	4.14E-12	1.25E-11	9.88E-12	7.17E-15	1.73E-13	1.3E-14	1.93285E-13	1.342E-08	1.1148E-05	1.5E-06	4.23562E-12	2.89716E-14	2.11413E-12	4.8202E-15
629	570630.6	4178719	0.55, 41787	0.31352	0.30328	0.30884	160.25221	70.5161	243.59554	22.89317	12.52474	34.32359	1.56E-08	1.23E-05	1.74E-06	4.82E-12	1.46E-11	1.15E-11	8.35E-15	2.02E-13	1.52E-14	2.25177E-13	1.563E-08	1.2329E-05	1.74E-06	4.9345E-12	3.3752E-14	2.46296E-12	5.6156E-15
630	570670.6	4178719	0.55, 41787	0.36149	0.3594	0.35242	159.13882	79.23774	228.99362	22.73412	14.05012	31.24302	1.78E-08	1.16E-05	1.58E-06	5.51E-12	1.66E-11	1.31E-11	9.53E-15	2.3E-13	1.73E-14	2.56953E-13	1.784E-08	1.159E-05	1.58E-06	5.63085E-12	3.8515E-14	2.81054E-12	6.408E-15
631	570710.6	4178719	0.55, 41787	0.41184	0.42167	0.39325	168.39934	82.78202	268.08178	23.84947	15.22445	37.49142	1.99E-08	1.36E-05	1.9E-06	6.14E-12	1.85E-11	1.47E-11	1.06E-14	2.57E-13	1.93E-14	2.86727E-13	1.991E-08	1.3569E-05	1.9E-06	6.2833E-12	4.29778E-14	3.1362E-12	7.1505E-15
632	570750.6	4178719	0.55, 41787	0.46631	0.48852	0.43046	193.26616	81.97611	266.60906	24.83922	16.78199	33.32613	2.18E-08	1.35E-05	1.69E-06	6.72E-12	2.03E-11	1.6E-11	1.16E-14	2.81E-13	2.12E-14	3.13863E-13	2.179E-08	1.3494E-05	1.69E-06	6.87795E-12	4.70452E-14	3.43301E-12	7.8273E-15
633	570790.6	4178719	0.55, 41787	0.5297	0.5627	0.45402	208.56721	92.88706	267.98327	26.09236	23.00092	33.50993	2.3E-08	1.36E-05	1.7E-06	7.09E-12	2.14E-11	1.69E-11	1.23E-14	2.96E-13	2.23E-14	3.3105E-13	2.299E-08	1.3564E-05	1.7E-06	7.2546E-12	4.96215E-14	3.621E-12	8.2559E-15
634	570830.6	4178719	0.55, 41787	0.58417	0.63922	0.49731	206.25232	102.59816	258.13483	28.9378	25.69667	32.26685	2.52E-08	1.31E-05	1.63E-06	7.77E-12	2.35E-11	1.85E-11	1.34E-14	3.25E-13	2.44E-14	3.6262E-13	2.518E-08	1.3066E-05	1.63E-06	7.94641E-12	5.43534E-14	3.96631E-12	9.0432E-15
635	570870.6	4178719	0.55, 41787	0.63384	0.71183	0.60618	208.40577	136.85909	408.7133	28.70976	24.7437	51.08916	3.07E-08	2.07E-05	2.59E-06	9.47E-12	2.86E-11	2.26E-11	1.64E-14	3.96E-13	2.98E-14	4.4199E-13	3.069E-08	2.0687E-05	2.59E-06	9.68572E-12	6.62503E-14	4.83445E-12	1.1023E-14
636	570910.6	4178719	0.55, 41787	0.68401	0.75343	0.58123	211.07044	124.31957	366.90455	30.70854	25.49482	45.86307	2.94E-08	1.86E-05	2.32E-06	9.08E-12	2.74E-11	2.17E-11	1.57E-14	3.8E-13	2.86E-14	4.23812E-13	2.943E-08	1.8571E-05	2.32E-06	9.28737E-12	6.35256E-14	4.63563E-12	1.0569E-14
637	570950.6	4178719	0.55, 41787	0.69007	0.76497	0.57081	207.10313	108.18225	376.87466	30.79195	24.65468	47.10933	2.89E-08	1.91E-05	2.38E-06	8.92E-12	2.69E-11	2.13E-11	1.54E-14	3.73E-13	2.81E-14	4.16219E-13	2.89E-08	1.9075E-05	2.38E-06	9.12098E-12	6.23875E-14	4.55257E-12	1.038E-14
638	570990.6	4178719	0.55, 41787	0.68048	0.74999	0.58632	206.58356	95.47159	294.44278	32.17827	21.60129	36.80535	2.97E-08	1.49E-05	1.86E-06	9.16E-12	2.77E-11	2.18E-11	1.58E-14	3.83E-13	2.88E-14	4.27521E-13	2.968E-08	1.4903E-05	1.86E-06	9.36866E-12	6.40817E-14	4.6762E-12	1.0662E-14
639	571030.6	4178719	0.55, 41787	0.66194	0.72353	0.59736	210.3532	86.11281	328.15995	30.372	18.42489	51.15716	3.02E-08	1.66E-05	2.59E-06	9.33E-12	2.82E-11	2.23E-11	1.61E-14	3.9E-13	2.94E-14	4.35563E-13	3.024E-08	1.6609E-05	2.59E-06	9.54489E-12	6.52871E-14	4.76416E-12	1.0862E-14
640	571070.6	4178719	0.55, 41787	0.64029	0.68839	0.56269	181.70859	76.31707	252.84162	22.73215	15.52213	31.6052	2.85E-08	1.28E-05	1.6E-06	8.79E-12	2.65E-11	2.1E-11	1.52E-14	3.67E-13	2.77E-14	4.10285E-13	2.849E-08	1.2797E-05	1.6E-06	8.99096E-12	6.14981E-14	4.48767E-12	1.0232E-14
641	571110.6	4178719	0.55, 41787	0.60626	0.64543	0.53034	207.95149	70.27092	268.27126	26.16426	14.32632	33.53391	2.68E-08	1.36E-05	1.7E-06	8.29E-12	2.5E-11	1.98E-11	1.43E-14	3.46E-13	2.61E-14	3.86697E-13	2.685E-08	1.3578E-05	1.7E-06	8.47404E-12	5.79624E-14	4.22966E-12	9.6436E-15
642	571150.6	4178719	0.55, 41787	0.57256	0.60327	0.52806	200.64391	66.12781	289.68563	25.68735	14.52342	36.23202	2.67E-08	1.47E-05	1.83E-06	8.25E-12	2.49E-11	1.97E-11	1.43E-14	3.45E-13	2.6E-14	3.85027E-13	2.673E-08	1.4662E-05	1.83E-06	8.43744E-12	5.77121E-14	4.2114E-12	9.602E-15
643	571190.6	4178719	0.55, 41787	0.53842	0.56251	0.50995	154.3512	63.9477	213.38711	22.19645	14.00077	30.48387	2.58E-08	1.08E-05	1.54E-06	7.97E-12	2.41E-11	1.9E-11	1.38E-14	3.33E-13	2.51E-14	3.71818E-13	2.582E-08	1.08E-05	1.54E-06	8.14799E-12	5.57322E-14	4.06692E-12	9.2726E-15
644	571230.6	4178719	0.55, 41787	0.49735	0.52247	0.4676	159.72675	60.41971	199.28282	22.34048	12.75874	27.30767	2.37E-08	1.01E-05	1.38E-06	7.3E-12	2.21E-11	1.74E-11	1.26E-14	3.05E-13	2.3E-14	3.40941E-13	2.367E-08	1.0087E-05	1.38E-06	7.47135E-12	5.1104E-14	3.72919E-12	8.5025E-15
645	571270.6	4178719	0.55, 41787	0.45612	0.4836	0.42898	144.14128	55.22387	195.55309	20.17616	11.51496	26.9261	2.17E-08	9.9E-06	1.36E-06	6.7E-12	2.02E-11	1.6E-11	1.16E-14	2.8E-13	2.11E-14	3.12783E-13	2.172E-08	9.8977E-06	1.36E-06	6.85429E-12	4.68833E-14	3.4212E-12	7.8003E-15
646	571310.6	4178719	0.55, 41787	0.42006	0.44717	0.39945	118.44349	52.26024	154.81704	17.97136	10.56882	25.80284	2.02E-08	7.84E-06	1.31E-06	6.24E-12	1.88E-11	1.49E-11	1.08E-14	2.61E-13	1.96E-14	2.91251E-13	2.022E-08	7.836E-06	1.31E-06	6.38244E-12	4.36559E-14	3.18568E-12	7.2634E-15
647	571350.6	4178719	0.55, 41787	0.38785	0.41385	0.37184	109.17018	50.24459	147.83356	14.07795	10.0186	18.4792	1.88E-08	7.48E-06	9.35E-07	5.81E-12	1.75E-11	1.39E-11	1.01E-14	2.43E-13	1.83E-14	2.71119E-13	1.882E-08	7.4826E-06	9.35E-07	5.94128E-12	4.06383E-14	2.96548E-12	6.7613E-15
648	571390.6	4178719	0.55, 41787	0.35875	0.38356	0.34391	87.70597	48.80309	113.13015	10.96325	9.64341	14.14127	1.74E-08	5.73E-06	7.16E-07	5.37E-12	1.62E-11	1.28E-11	9.3E-15	2.25E-13	1.69E-14	2.50755E-13	1.741E-08	5.7262E-06	7.16E-07	5.49501E-12	3.75859E-14	2.74274E-12	6.2534E-15
649	571430.6	4178719	0.55, 41787	0.33385	0.35563	0.32061	80.9107	47.09106	69.47289	11.59229	8.99084	10.76512	1.62E-08	3.52E-06	5.45E-07	5.01E-12	1.51E-11	1.19E-11	8.67E-15	2.09E-13	1.58E-14	2.33766E-13	1.623E-08	3.5167E-06	5.45E-07	5.12272E-12	3.50394E-14	2.55691E-12	5.8298E-15
650	571470.6	4178719	0.55, 41787	0.31507	0.33052	0.30587	111.40642	45.19171	126.48359	15.57659	8.16367	17.53078	1.55E-08	6.4E-06	8.87E-07	4.78E-12	1.44E-11	1.14E-11	8.27E-15	2E-13	1.5E-14	2.23017E-13	1.548E-08	6.402E-06	8.87E-07	4.88716E-12	3.34282E-14	2.43934E-12	5.5617E-15
651	571510.6	4178719	0.55, 41787	0.29891	0.30701	0.29518	116.70467	43.07153	146.87884	15.95519	7.46065	19.6972	1.49E-08	7.43E-06	9.97E-07	4.61E-12	1.39E-11	1.1E-11	7.98E-15	1.93E-13	1.45E-14	2.1522E-13	1.494E-08	7.4342E-06	9.97E-07	4.71631E-12	3.22596E-14	2.35406E-12	5.3673E-15
652	571550.6	4178719	0.55, 41787	0.28299	0.28542	0.28355	93.20798	40.2806	109.70993	12.81909	6.80365	14.78577	1.44E-08	5.55E-06	7.48E-07	4.43E-12	1.34E-11	1.06E-11	7.66E-15	1.85E-13	1.39E-14	2.06739E-13	1.435E-08	5.553E-06	7.48E-07	4.53045E-12	3.09883E-14	2.26129E-12	5.1557E-15
653	571590.6	4178719	0.55, 41787	0.2649	0.26495	0.26753	84.18961	37.57199	100.50298	12.02709	5.93847	14.35757	1.35E-08	5.09E-06	7.27E-07	4.18E-12	1.26E-11	9.97E-12	7.23E-15	1.75E-13	1.31E-14	1.95058E-13	1.354E-08	5.087E-06	7.27E-07	4.27447E-12	2.92374E-14	2.13353E-12	4.8644E-15
654	570310.6	4178759	0.55, 41787	0.10291	0.08971	0.0989	86.89901	32.22927	93.76167	10.86238	4.40505	11.72021	5.01E-09	4.75E-06	5.93E-07	1.54E-12	4.66E-12	3.68E-12	2.67E-15	6.46E-14	4.86E-15	7.21071E-14	5.007E-09	4.7458E-06	5.93E-07	1.58015E-12	1.08082E-14	7.88703E-13	1.7982E-15
655	570350.6	4178759	0.55, 41787	0.11544	0.10167	0.11074	97.89636	38.6449	111.66772	12.23704	4.83061	13.95846	5.61E-09	5.65E-06	7.07E-07	1.73E-12	5.22E-12	4.13E-12	2.99E-15	7.23E-14	5.44E-15	8.07398E-14	5.606E-09	5.6521E-06	7.07E-07	1.76932E-12	1.21022E-14	8.83126E-13	2.0135E-15
656	570390.6	4178759	0.55, 41787	0.13027	0.11595	0.12485	105.67733	44.34348	129.76492	13.20967	5.54293	16.22061	6.32E-09	6.57E-06	8.21E-07	1.95E-12	5.89E-12	4.65E-12	3.37E-15	8.15E-14	6.14E-15	9.10275E-14	6.32E-09	6.568E-06	8.21E-07	1.99477E-12	1.36442E-14	9.95653E-13	2.2701E-15
657	570430.6	4178759	0.55, 41787	0.14773	0.133	0.14184	109.21499	48.49986	141.11126	13.65187	6.24447	17.63891	7.18E-09	7.14E-06	8.93E-07	2.22E-12	6.69E-12	5.28E-12	3.83E-15	9.26E-14	6.97E-15	1.03415E-13	7.18E-09	7.1423E-06	8.93E-07	2.26623E-12	1.5501E-14	1.13115E-12	2.579E-15
658	570470.6	4178759	0.55, 41787	0.16767	0.15301	0.16202	117.79795	52.53636	140.35154	14.72474	7.71399	17.54394	8.2E-09	7.1E-06	8.88E-07	2.53E-12	7.64E-12	6.04E-12	4.38E-15	1.06E-13	7.96E-15	1.18128E-13	8.202E-09	7.1039E-06	8.88E-07	2.58865E-12	1.77064E-14	1.29208E-12	2.9459E-15
659	570510.6	4178759	0.55, 41787	0.191	0.17712	0.1864	128.29828	56.17436	171.94141	17.6792	9.03197	21.49268	9.44E-09	8.7E-06	1.09E-06	2.91E-12	8.79E-12	6.94E-12	5.04E-15	1.22E-13	9.16E-15	1.35904E-13	9.436E-09	8.7028E-06	1.09E-06	2.97819E-12	2.03708E-14	1.48651E-12	3.3892E-15
660	570550.6	4178759	0.55, 41787	0.21672	0.20498	0.21341	137.63049	58.52483	184.29573	19.6615	9.95092	26.17497	1.08E-08	9.33E-06	1.32E-06	3.33E-12	1.01E-11	7.95E-12	5.77E-15	1.39E-13	1.05E-14	1.55597E-13	1.08E-08	9.328E-06	1.32E-06	3.40974E-12	2.33227E-14	1.70191E-12	3.8804E-15
661	570590.6	4178759	0.55, 41787	0.24504	0.23724	0.24166	142.23889	62.68425	205.21483	20.31984	10.25836	28.57469	1.22E-08	1.04E-05	1.45E-06	3.78E-12	1.14E-11	9E-12	6.53E-15	1.58E-13	1.19E-14	1.76195E-13	1.223E-08	1.0387E-05	1.45E-06	3.86113E-12	2.64101E-14	1.92721E-12	4.394E-15
662	570630.6	4178759	0.55, 41787	0.27554	0.27375	0.26892	139.19636	70.02218	188.40794	19.61007	11.07526	25.7042	1.36E-08	9.54E-06	1.3E-06	4.2E-12	1.27E-11	1E-11	7.27E-15	1.76E-13	1.32E-14	1.96072E-13	1.361E-08	9.5363E-06	1.3E-06	4.29671E-12	2.93895E-14	2.14463E-12	4.8897E-15
663	570670.6	4178759	0.55, 41787	0.30614	0.31293	0.29402	149.31547	72.47289	221.2081	21.10931	12.07881	31.37185	1.49E-08	1.12E-05	1.59E-06	4.59E-12	1.39E-11	1.1E-11	7.95E-15	1.92E-13	1.45E-14	2.14376E-13	1.488E-08	1.1196E-05	1.59E-06	4.69781E-12	3.2133E-14	2.34483E-12	5.3462E-15
664	570710.6	4178759	0.55, 41787	0.33494	0.35231	0.31792	164.794	71.08708	213.69891	21.55176	13.08376	26.71236	1.61E-08	1.08E-05	1.35E-06	4.97E-12	1.5E-11	1.18E-11	8.59E-15	2.08E-13	1.56E-14	2.31804E-13	1.609E-08	1.0816E-05	1.35E-06	5.07974E-12	3.47454E-14	2.53546E-12	5.7808E-15
665	570750.6	4178759	0.55, 41787	0.36674	0.3924	0.33661	179.38877	78.60477	216.64393	22.4236	16.36841	27.08049	1.7E-08	1.1E-05	1.37E-06	5.26E-12	1.59E-11	1.25E-11	9.1E-15	2.2E-13	1.65E-14	2.45435E-13	1.704E-08	1.0965E-05	1.37E-06	5.37845E-12	3.67886E-14	2.68455E-12	6.1208E-15
666	570790.6	4178759	0.55, 41787	0.40357	0.43625	0.34677	166.36606	82.34558	242.62848	21.7564	19.87746	30.35713	1.76E-08	1.23E-05	1.54E-06	5.42E-12	1.64E-11	1.29E-11	9.37E-15	2.26E-13	1.7E-14	2.5285E-13	1.756E-08	1.2281E-05	1.54E-06	5.54092E-12	3.78999E-14	2.76565E-12	6.3057E-15
667	570830.6	4178759	0.55, 41787	0.43354	0.48203	0.39259	188.6599	98.62945	246.30784	24.95504	19.43466	30.78848	1.99E-08	1.25E-05	1.56E-06	6.13E-12	1.85E-11	1.46E-11	1.06E-14	2.56E-13	1.93E-14	2.86257E-13	1.988E-08	1.2467E-05	1.56E-06	6.27301E-12	4.29074E-14	3.13106E-12	7.1388E-15
668	570870.6	4178759	0.55, 41787	0.46387	0.52331	0.45582	172.12292	120.25167	329.63715	21.51536	18.67269	41.20464	2.31E-08	1.67E-05	2.09E-06	7.12E-12	2.15E-11	1.7E-11	1.23E-14	2.98E-13	2.24E-14	3.32354E-13	2.308E-08	1.6685E-05	2.09E-06	7.28317E-12	4.98169E-14	3.63526E-12	8.2884E-15
669	570910.6	4178759	0.55, 41787	0.49085	0.54778	0.42691	176.15826	108.72169	296.15879	23.43896	19.655	37.01985	2.16E-08	1.5E-05	1.87E-06	6.67E-12	2.01E-11	1.59E-11	1.15E-14	2.79E-13	2.1E-14	3.11286E-13	2.161E-08	1.499E-05	1.87E-06	6.82149E-12	4.6659E-14	3.40483E-12	7.763E-15
670	570950.6	4178759	0.55, 41787	0.48762	0.55475	0.41816	180.46301	97.04885	324.78811	24.36206	20.46933	40.59851	2.12E-08	1.64E-05	2.06E-06	6.53E-12	1.97E-11	1.56E-11	1.13E-14	2.73E-13	2.06E-14	3.04909E-13	2.117E-08	1.6439E-05	2.06E-06	6.68175E-12	4.57032E-14	3.33508E-12	7.604E-15
671	570990.6	4178759	0.55, 41787	0.49051	0.55159	0.43765	151.23194	87.28492	222.11928	25.20532	17.38113	28.62893	2.22E-08	1.12E-05	1.45E-06	6.84E-12	2.06E-11	1.63E-11	1.18E-14	2.86E-13	2.15E-14	3.19115E-13	2.216E-08	1.1243E-05	1.45E-06	6.99306E-12	4.78325E-14	3.49046E-12	7.9582E-15
672	571030.6	4178759	0.55, 41787	0.48428	0.53663	0.45626	187.58168	78.86438	272.43541	28.06386	15.68835	45.4059	2.31E-08	1.38E-05	2.3E-06	7.13E-12	2.15E-11	1.7E-11	1.23E-14	2.98E-13	2.24E-14	3.32677E-13	2.31E-08	1.3789E-05	2.3E-06	7.29026E-12	4.98654E-14	3.6388E-12	8.2965E-15
673	571070.6	4178759	0.55, 41787	0.467	0.51625	0.43604	163.79974	72.83551	258.94072	22.54296	13.46245	32.36759	2.21E-08	1.31E-05	1.64E-06	6.81E-12	2.06E-11	1.62E-11	1.18E-14	2.85E-13	2.14E-14	3.17935E-13	2.207E-08	1.3106E-05	1.64E-06	6.96719E-12	4.76556E-14	3.47755E-12	7.9288E-15
674	571110.6	4178759	0.55, 41787	0.44755	0.4933	0.39624	157.0432	65.36033	149.25903	19.63651	11.35189	22.10234	2.01E-08	7.55E-06	1.12E-06	6.19E-12	1.87E-11	1.48E-11	1.07E-14	2.59E-13	1.95E-14	2.8892E-13	2.006E-08	7.555E-06	1.12E-06	6.33136E-12	4.33065E-14	3.16019E-12	7.2052E-15
675	571150.6	4178759	0.55, 41787	0.4302	0.46818	0.38775	183.98767	62.14189	232.46693	23.05685	11.54043	29.05837	1.96E-08	1.18E-05	1.47E-06	6.06E-12	1.83E-11	1.44E-11	1.05E-14	2.53E-13	1.91E-14	2.82727E-13	1.963E-08	1.1766E-05	1.47E-06	6.19564E-12	4.23782E-14	3.09244E-12	7.0508E-15
676	571190.6	4178759	0.55, 41787	0.41561	0.44245	0.39452	166.33485	59.4631	232.20811	21.02615	11.70076	29.03347	2E-08	1.18E-05	1.47E-06	6.16E-12	1.86E-11	1.47E-11	1.07E-14	2.58E-13	1.94E-14	2.87656E-13	1.997E-08	1.1753E-05	1.47E-06	6.30367E-12	4.31171E-14	3.14637E-12	7.1737E-15
677	571230.6	4178759	0.55, 41787	0.39577	0.41616	0.38297	133.04594	57.55284	174.38403	19.00656	11.25795	24.912	1.94E-08	8.83E-06	1.26E-06	5.98E-12	1.81E-11	1.43E-11	1.04E-14	2.5E-13	1.88E-14	2.79232E-13	1.939E-08	8.8264E-06	1.26E-06	6.11907E-12	4.18544E-14	3.05422E-12	6.9636E-15
678	571270.6	4178759	0.55, 41787	0.36933	0.38979	0.3568	133.93343	52.76944	163.09994	18.49966	10.32502	20.38749	1.81E-08	8.26E-06	1.03E-06	5.57E-12	1.68E-11	1.33E-11	9.64E-15	2.33E-13	1.75E-14	2.60152E-13	1.806E-08	8.2553E-06	1.03E-06	5.70094E-12	3.89944E-14	2.84552E-12	6.4878E-15
679	571310.6	4178759	0.55, 41787	0.3411	0.36413	0.32902	131.1619	50.25063	168.23883	18.11843	9.56125	22.87944	1.67E-08	8.52E-06	1.16E-06	5.14E-12	1.55E-11	1.23E-11	8.89E-15	2.15E-13	1.62E-14	2.39897E-13	1.666E-08	8.5153E-06	1.16E-06	5.25709E-12	3.59585E-14	2.62398E-12	5.9827E-15
680	571350.6	4178759	0.55, 41787	0.31543	0.34037	0.30452	103.20737	47.94128	136.71003	14.62528	9.08266	18.8743	1.54E-08	6.92E-06	9.55E-07	4.76E-12	1.44E-11	1.13E-11	8.23E-15	1.99E-13	1.5E-14	2.22034E-13	1.542E-08	6.9196E-06	9.55E-07	4.86564E-12	3.3281E-14	2.4286E-12	5.5372E-15
681	571390.6	4178759	0.55, 41787	0.29206	0.31801	0.28181	95.20975	46.26011	128.00267	11.90122	8.7596	16.00033	1.43E-08	6.48E-06	8.1E-07	4.4E-12	1.33E-11	1.05E-11	7.62E-15	1.84E-13	1.39E-14	2.05476E-13	1.427E-08	6.4789E-06	8.1E-07	4.50279E-12	3.07991E-14	2.24749E-12	5.1243E-15
682	571430.6	4178759	0.55, 41787	0.27184	0.29676	0.26169	65.82255	44.97926	77.28464	8.48847	8.42183	11.06277	1.32E-08	3.91E-06	5.6E-07	4.09E-12	1.23E-11	9.75E-12	7.07E-15	1.71E-13	1.29E-14	1.90807E-13	1.325E-08	3.912E-06	5.6E-07	4.18132E-12	2.86002E-14	2.08703E-12	4.7584E-15
683	571470.6	4178759	0.55, 41787	0.25781	0.27877	0.24855	74.19853	43.62462	66.74746	10.92817	7.8818	10.16339	1.26E-08	3.38E-06	5.15E-07	3.88E-12	1.17E-11	9.26E-12	6.72E-15	1.62E-13	1.22E-14	1.81225E-13	1.258E-08	3.3787E-06	5.15E-07	3.97135E-12	2.7164E-14	1.98223E-12	4.5195E-15
684	571510.6	4178759	0.55, 41787	0.24715	0.26193	0.24035	102.14842	42.0514	116.58455	14.2101	7.23025	16.16505	1.22E-08	5.9E-06	8.18E-07	3.75E-12	1.13E-11	8.96E-12	6.5E-15	1.57E-13	1.18E-14	1.75245E-13	1.217E-08	5.901E-06	8.18E-07	3.8403E-12	2.62677E-14	1.91682E-12	4.3703E-15
685	571550.6	4178759	0.55, 41787	0.23772	0.24585	0.23427	104.82233	40.15762	128.89855	14.31586	6.66643	17.41071	1.19E-08	6.52E-06	8.81E-07	3.66E-12	1.1E-11	8.73E-12	6.33E-15	1.53E-13	1.15E-14	1.7081E-13	1.186E-08	6.5241E-06	8.81E-07	3.74312E-12	2.56029E-14	1.86831E-12	4.2597E-15
686	571590.6	4178759	0.55, 41787	0.22808	0.23097	0.22747	83.60184	37.747	96.99907	11.46846	6.12919	13.15855	1.15E-08	4.91E-06	6.66E-07	3.55E-12	1.07E-11	8.48E-12	6.15E-15	1.49E-13	1.12E-14	1.65851E-13	1.152E-08	4.9097E-06	6.66E-07	3.63443E-12	2.48595E-14	1.81406E-12	4.1361E-15
687	570310.6	4178799	0.55, 41787	0.10253	0.09048	0.09887	92.22772	37.68456	108.42661	11.52846	4.71057	13.55333	5.01E-09	5.49E-06	6.86E-07	1.54E-12	4.66E-12	3.68E-12	2.67E-15	6.46E-14	4.86E-15	7.20854E-14	5.005E-09	5.488E-06	6.86E-07	1.57967E-12	1.0805E-14	7.88465E-13	1.7977E-15
688	570350.6	4178799	0.55, 41787	0.11434	0.10195	0.11024	96.42289	41.82094	119.06345	12.05286	5.22762	14.88293	5.58E-09	6.03E-06	7.53E-07	1.72E-12	5.2E-12	4.11E-12	2.98E-15	7.2E-14	5.42E-15	8.03754E-14	5.581E-09	6.0264E-06	7.53E-07	1.76134E-12	1.20476E-14	8.7914E-13	2.0044E-15
689	570390.6	4178799	0.55, 41787	0.12785	0.11532	0.12365	96.70849	44.28794	121.57528	12.08856	5.83168	15.19691	6.26E-09	6.15E-06	7.69E-07	1.93E-12	5.83E-12	4.61E-12	3.34E-15	8.07E-14	6.08E-15	9.01527E-14	6.259E-09	6.1536E-06	7.69E-07	1.9756E-12	1.35131E-14	9.86084E-13	2.2483E-15
690	570430.6	4178799	0.55, 41787	0.14288	0.13064	0.13911	109.4746	48.39009	132.26529	13.83026	6.97525	16.53316	7.04E-09	6.69E-06	8.37E-07	2.17E-12	6.56E-12	5.18E-12	3.76E-15	9.08E-14	6.84E-15	1.01425E-13	7.042E-09	6.6946E-06	8.37E-07	2.22261E-12	1.52027E-14	1.10938E-12	2.5294E-15
691	570470.6	4178799	0.55, 41787	0.15993	0.14857	0.15692	116.3647	50.80214	153.38363	16.31235	7.92735	19.17295	7.94E-09	7.76E-06	9.71E-07	2.45E-12	7.4E-12	5.85E-12	4.24E-15	1.02E-13	7.71E-15	1.1441E-13	7.944E-09	7.7635E-06	9.71E-07	2.50717E-12	1.7149E-14	1.25141E-12	2.8532E-15
692	570510.6	4178799	0.55, 41787	0.17816	0.16871	0.17591	124.77861	52.11481	162.22151	17.82552	8.49382	23.1745	8.91E-09	8.21E-06	1.17E-06	2.75E-12	8.3E-12	6.55E-12	4.75E-15	1.15E-13	8.65E-15	1.28256E-13	8.905E-09	8.2108E-06	1.17E-06	2.81059E-12	1.92244E-14	1.40285E-12	3.1985E-15
693	570550.6	4178799	0.55, 41787	0.19752	0.19131	0.19507	126.89522	56.18657	175.78093	18.12789	8.51005	24.21863	9.88E-09	8.9E-06	1.23E-06	3.05E-12	9.2E-12	7.27E-12	5.27E-15	1.27E-13	9.59E-15	1.42226E-13	9.875E-09	8.8971E-06	1.23E-06	3.11673E-12	2.13185E-14	1.55566E-12	3.5469E-15
694	570590.6	4178799	0.55, 41787	0.21773	0.21627	0.21308	122.68072	62.5324	158.46837	17.14296	9.80776	21.67538	1.08E-08	8.02E-06	1.1E-06	3.33E-12	1.01E-11	7.94E-12	5.76E-15	1.39E-13	1.05E-14	1.55359E-13	1.079E-08	8.021E-06	1.1E-06	3.40452E-12	2.32869E-14	1.6993E-12	3.8744E-15
695	570630.6	4178799	0.55, 41787	0.23771	0.24268	0.22932	133.9153	64.36556	188.20796	18.95021	10.72759	26.70167	1.16E-08	9.53E-06	1.35E-06	3.58E-12	1.08E-11	8.54E-12	6.2E-15	1.5E-13	1.13E-14	1.67201E-13	1.161E-08	9.5261E-06	1.35E-06	3.66404E-12	2.5062E-14	1.82884E-12	4.1697E-15
696	570670.6	4178799	0.55, 41787	0.25595	0.26895	0.24514	141.94782	63.09907	182.20008	19.13844	10.57117	23.96944	1.24E-08	9.22E-06	1.21E-06	3.83E-12	1.16E-11	9.13E-12	6.63E-15	1.6E-13	1.2E-14	1.78738E-13	1.241E-08	9.222E-06	1.21E-06	3.91684E-12	2.67912E-14	1.95502E-12	4.4574E-15
697	570710.6	4178799	0.55, 41787	0.27273	0.29382	0.2595	157.12572	66.69563	192.86918	19.64072	11.93189	24.10865	1.31E-08	9.76E-06	1.22E-06	4.05E-12	1.22E-11	9.67E-12	7.01E-15	1.69E-13	1.28E-14	1.8921E-13	1.314E-08	9.7621E-06	1.22E-06	4.14632E-12	2.83609E-14	2.06956E-12	4.7186E-15
698	570750.6	4178799	0.55, 41787	0.29355	0.31916	0.26739	152.65771	72.44297	180.42039	19.08221	15.18472	22.55534	1.35E-08	9.13E-06	1.14E-06	4.18E-12	1.26E-11	9.96E-12	7.23E-15	1.75E-13	1.31E-14	1.94966E-13	1.354E-08	9.1321E-06	1.14E-06	4.27246E-12	2.92236E-14	2.13252E-12	4.8622E-15
699	570790.6	4178799	0.55, 41787	0.31688	0.34759	0.27611	157.73005	72.26845	195.86787	20.13646	16.34526	24.48348	1.4E-08	9.91E-06	1.24E-06	4.31E-12	1.3E-11	1.03E-11	7.46E-15	1.8E-13	1.36E-14	2.01327E-13	1.398E-08	9.9139E-06	1.24E-06	4.41187E-12	3.01772E-14	2.20211E-12	5.0208E-15
700	570830.6	4178799	0.55, 41787	0.33524	0.37796	0.31984	162.23746	94.66133	234.71664	21.09567	14.73083	29.33958	1.62E-08	1.19E-05	1.49E-06	5E-12	1.51E-11	1.19E-11	8.65E-15	2.09E-13	1.57E-14	2.33208E-13	1.619E-08	1.188E-05	1.49E-06	5.11051E-12	3.49559E-14	2.55082E-12	5.8159E-15
701	570870.6	4178799	0.55, 41787	0.35595	0.40358	0.35265	158.80625	107.46352	263.60655	19.85078	16.70272	32.95082	1.79E-08	1.33E-05	1.67E-06	5.51E-12	1.66E-11	1.31E-11	9.53E-15	2.3E-13	1.73E-14	2.57129E-13	1.785E-08	1.3343E-05	1.67E-06	5.6347E-12	3.85413E-14	2.81246E-12	6.4124E-15
702	570910.6	4178799	0.55, 41787	0.3676	0.41723	0.32417	150.41188	96.98395	247.06251	18.80149	15.72408	30.88281	1.64E-08	1.25E-05	1.56E-06	5.06E-12	1.53E-11	1.21E-11	8.76E-15	2.12E-13	1.59E-14	2.36372E-13	1.641E-08	1.2505E-05	1.56E-06	5.17984E-12	3.54301E-14	2.58542E-12	5.8948E-15
703	570950.6	4178799	0.55, 41787	0.34637	0.40141	0.30552	159.46188	87.41269	275.63404	19.93273	16.48069	34.45425	1.55E-08	1.4E-05	1.74E-06	4.77E-12	1.44E-11	1.14E-11	8.26E-15	1.99E-13	1.5E-14	2.22775E-13	1.547E-08	1.3951E-05	1.74E-06	4.88187E-12	3.3392E-14	2.4367E-12	5.5557E-15
704	570990.6	4178799	0.55, 41787	0.35579	0.40756	0.32647	119.48057	79.68844	146.33228	17.5796	14.60553	25.33485	1.65E-08	7.41E-06	1.28E-06	5.1E-12	1.54E-11	1.22E-11	8.83E-15	2.13E-13	1.6E-14	2.38047E-13	1.653E-08	7.407E-06	1.28E-06	5.21653E-12	3.56811E-14	2.60374E-12	5.9365E-15
705	571030.6	4178799	0.55, 41787	0.37225	0.416	0.35619	155.14917	72.93395	196.55996	24.86673	12.948	30.87431	1.8E-08	9.95E-06	1.56E-06	5.56E-12	1.68E-11	1.33E-11	9.63E-15	2.33E-13	1.75E-14	2.59712E-13	1.803E-08	9.9489E-06	1.56E-06	5.6913E-12	3.89285E-14	2.84071E-12	6.4768E-15
706	571070.6	4178799	0.55, 41787	0.3594	0.40135	0.34666	158.59146	67.81733	220.83512	22.65592	11.74555	33.70367	1.75E-08	1.12E-05	1.71E-06	5.42E-12	1.64E-11	1.29E-11	9.37E-15	2.26E-13	1.7E-14	2.52762E-13	1.755E-08	1.1177E-05	1.71E-06	5.53901E-12	3.78868E-14	2.7647E-12	6.3035E-15
707	571110.6	4178799	0.55, 41787	0.34191	0.38638	0.31575	133.9595	62.41991	198.12185	16.74494	10.40332	24.76523	1.6E-08	1E-05	1.25E-06	4.93E-12	1.49E-11	1.18E-11	8.54E-15	2.06E-13	1.55E-14	2.30229E-13	1.599E-08	1.0028E-05	1.25E-06	5.04521E-12	3.45092E-14	2.51823E-12	5.7416E-15
708	571150.6	4178799	0.55, 41787	0.32926	0.37153	0.29721	140.52662	58.47073	122.49716	17.56829	9.74512	16.40698	1.5E-08	6.2E-06	8.31E-07	4.64E-12	1.4E-11	1.11E-11	8.03E-15	1.94E-13	1.46E-14	2.16712E-13	1.505E-08	6.2005E-06	8.31E-07	4.749E-12	3.24832E-14	2.37038E-12	5.4045E-15
709	571190.6	4178799	0.55, 41787	0.32393	0.35615	0.30055	162.80337	55.99612	201.90064	20.37225	9.46414	25.23758	1.52E-08	1.02E-05	1.28E-06	4.7E-12	1.42E-11	1.12E-11	8.12E-15	1.96E-13	1.48E-14	2.19144E-13	1.522E-08	1.0219E-05	1.28E-06	4.80229E-12	3.28477E-14	2.39698E-12	5.4651E-15
710	571230.6	4178799	0.55, 41787	0.31732	0.33876	0.30501	141.0743	54.42569	191.70239	17.72831	9.52966	23.96639	1.54E-08	9.7E-06	1.21E-06	4.76E-12	1.44E-11	1.14E-11	8.24E-15	1.99E-13	1.5E-14	2.22391E-13	1.544E-08	9.7028E-06	1.21E-06	4.87346E-12	3.33345E-14	2.4325E-12	5.5461E-15
711	571270.6	4178799	0.55, 41787	0.30415	0.32027	0.29829	116.54381	51.24633	144.90939	16.64912	9.13765	20.70134	1.51E-08	7.33E-06	1.05E-06	4.66E-12	1.41E-11	1.11E-11	8.06E-15	1.95E-13	1.47E-14	2.17489E-13	1.51E-08	7.3346E-06	1.05E-06	4.76604E-12	3.25997E-14	2.37888E-12	5.4239E-15
712	571310.6	4178799	0.55, 41787	0.28608	0.30211	0.28212	111.77517	48.08718	136.31939	15.28029	8.60329	17.73191	1.43E-08	6.9E-06	8.98E-07	4.41E-12	1.33E-11	1.05E-11	7.63E-15	1.84E-13	1.39E-14	2.05699E-13	1.428E-08	6.8998E-06	8.98E-07	4.50768E-12	3.08325E-14	2.24993E-12	5.1298E-15
713	571350.6	4178799	0.55, 41787	0.26522	0.28423	0.2608	116.94553	46.1941	139.01017	15.97517	8.23917	19.97796	1.32E-08	7.04E-06	1.01E-06	4.07E-12	1.23E-11	9.72E-12	7.05E-15	1.7E-13	1.28E-14	1.90155E-13	1.32E-08	7.036E-06	1.01E-06	4.16705E-12	2.85026E-14	2.07991E-12	4.7422E-15
714	571390.6	4178799	0.55, 41787	0.24309	0.26586	0.23735	101.64822	44.37475	130.479	13.96186	7.97488	17.70328	1.2E-08	6.6E-06	8.96E-07	3.71E-12	1.12E-11	8.84E-12	6.42E-15	1.55E-13	1.17E-14	1.73059E-13	1.202E-08	6.6042E-06	8.96E-07	3.79239E-12	2.594E-14	1.89291E-12	4.3158E-15
715	571430.6	4178799	0.55, 41787	0.22645	0.25105	0.21957	78.66707	42.96369	101.00422	10.22882	7.75525	13.14754	1.11E-08	5.11E-06	6.66E-07	3.43E-12	1.04E-11	8.18E-12	5.94E-15	1.43E-13	1.08E-14	1.60096E-13	1.112E-08	5.1124E-06	6.66E-07	3.50832E-12	2.39969E-14	1.75112E-12	3.9925E-15
716	571470.6	4178799	0.55, 41787	0.21325	0.23694	0.20607	47.64153	41.84289	57.10773	7.70461	7.45296	10.06314	1.04E-08	2.89E-06	5.09E-07	3.22E-12	9.72E-12	7.68E-12	5.57E-15	1.35E-13	1.01E-14	1.50253E-13	1.043E-08	2.8908E-06	5.09E-07	3.29263E-12	2.25216E-14	1.64345E-12	3.7471E-15
717	571510.6	4178799	0.55, 41787	0.20623	0.22585	0.19985	71.44774	40.73398	67.79843	10.29216	7.00806	9.90291	1.01E-08	3.43E-06	5.01E-07	3.12E-12	9.43E-12	7.45E-12	5.4E-15	1.3E-13	9.82E-15	1.45717E-13	1.012E-08	3.4319E-06	5.01E-07	3.19323E-12	2.18417E-14	1.59384E-12	3.634E-15
718	571550.6	4178799	0.55, 41787	0.19818	0.21228	0.19356	94.10249	39.35835	107.36049	13.01678	6.4744	14.79864	9.8E-09	5.43E-06	7.49E-07	3.02E-12	9.13E-12	7.21E-12	5.23E-15	1.26E-13	9.51E-15	1.41129E-13	9.799E-09	5.4341E-06	7.49E-07	3.0927E-12	2.1154E-14	1.54366E-12	3.5196E-15
719	571590.6	4178799	0.55, 41787	0.19254	0.20073	0.18997	94.76849	37.66806	114.23818	12.95063	6.01952	15.50303	9.62E-09	5.78E-06	7.85E-07	2.97E-12	8.96E-12	7.08E-12	5.14E-15	1.24E-13	9.34E-15	1.3851E-13	9.617E-09	5.7821E-06	7.85E-07	3.0353E-12	2.07615E-14	1.51502E-12	3.4542E-15
720	570310.6	4178839	0.55, 41788	0.10118	0.0904	0.098	86.93136	38.98232	105.93151	10.86642	4.87279	13.24144	4.96E-09	5.36E-06	6.7E-07	1.53E-12	4.62E-12	3.65E-12	2.65E-15	6.4E-14	4.82E-15	7.14512E-14	4.961E-09	5.3618E-06	6.7E-07	1.56577E-12	1.07099E-14	7.81528E-13	1.7819E-15
721	570350.6	4178839	0.55, 41788	0.1118	0.10104	0.10874	92.10266	41.60712	103.12867	11.51283	5.43734	12.89108	5.5E-09	5.22E-06	6.53E-07	1.7E-12	5.13E-12	4.05E-12	2.94E-15	7.1E-14	5.34E-15	7.92818E-14	5.505E-09	5.2199E-06	6.53E-07	1.73737E-12	1.18836E-14	8.67179E-13	1.9772E-15
722	570390.6	4178839	0.55, 41788	0.12335	0.11299	0.12071	101.58992	44.39945	123.8041	13.097	6.32134	15.47551	6.11E-09	6.27E-06	7.83E-07	1.89E-12	5.69E-12	4.5E-12	3.26E-15	7.88E-14	5.93E-15	8.80092E-14	6.111E-09	6.2664E-06	7.83E-07	1.92862E-12	1.31918E-14	9.62638E-13	2.1948E-15
723	570430.6	4178839	0.55, 41788	0.13612	0.12663	0.1341	105.75261	46.22171	135.82058	15.10752	6.99394	17.72822	6.79E-09	6.87E-06	8.97E-07	2.09E-12	6.33E-12	5E-12	3.62E-15	8.76E-14	6.59E-15	9.7772E-14	6.789E-09	6.8745E-06	8.97E-07	2.14257E-12	1.46551E-14	1.06942E-12	2.4383E-15
724	570470.6	4178839	0.55, 41788	0.14941	0.1416	0.14777	113.55911	47.52324	144.14907	16.22273	7.30549	20.59272	7.48E-09	7.3E-06	1.04E-06	2.31E-12	6.97E-12	5.51E-12	3.99E-15	9.65E-14	7.26E-15	1.07739E-13	7.481E-09	7.2961E-06	1.04E-06	2.36098E-12	1.61491E-14	1.17844E-12	2.6868E-15
725	570510.6	4178839	0.55, 41788	0.16314	0.158	0.16129	114.44641	50.69094	152.51274	16.21485	7.16417	20.85712	8.17E-09	7.72E-06	1.06E-06	2.52E-12	7.61E-12	6.01E-12	4.36E-15	1.05E-13	7.93E-15	1.17597E-13	8.165E-09	7.7194E-06	1.06E-06	2.57701E-12	1.76268E-14	1.28627E-12	2.9327E-15
726	570550.6	4178839	0.55, 41788	0.17704	0.17576	0.1737	109.2842	56.30775	135.99936	15.45924	8.75778	18.63755	8.79E-09	6.88E-06	9.43E-07	2.71E-12	8.19E-12	6.47E-12	4.7E-15	1.13E-13	8.54E-15	1.26646E-13	8.793E-09	6.8837E-06	9.43E-07	2.77532E-12	1.89832E-14	1.38525E-12	3.1584E-15
727	570590.6	4178839	0.55, 41788	0.1907	0.19445	0.18485	121.04262	57.73789	162.59872	17.123	9.62298	23.05827	9.36E-09	8.23E-06	1.17E-06	2.89E-12	8.72E-12	6.89E-12	5E-15	1.21E-13	9.09E-15	1.34777E-13	9.358E-09	8.2299E-06	1.17E-06	2.9535E-12	2.02019E-14	1.47418E-12	3.3611E-15
728	570630.6	4178839	0.55, 41788	0.20316	0.21304	0.19546	125.84874	56.85617	163.76967	17.26057	9.47603	21.8341	9.9E-09	8.29E-06	1.11E-06	3.05E-12	9.22E-12	7.28E-12	5.28E-15	1.28E-13	9.61E-15	1.42515E-13	9.895E-09	8.2892E-06	1.11E-06	3.12305E-12	2.13617E-14	1.55881E-12	3.5541E-15
729	570670.6	4178839	0.55, 41788	0.21386	0.23043	0.20601	138.80556	56.19819	167.35734	17.35069	9.51337	20.91967	1.04E-08	8.47E-06	1.06E-06	3.22E-12	9.72E-12	7.68E-12	5.57E-15	1.35E-13	1.01E-14	1.50208E-13	1.043E-08	8.4708E-06	1.06E-06	3.29164E-12	2.25148E-14	1.64296E-12	3.746E-15
730	570710.6	4178839	0.55, 41788	0.22462	0.24643	0.21368	139.69865	64.11019	158.44625	17.46233	11.64998	19.80578	1.08E-08	8.02E-06	1E-06	3.34E-12	1.01E-11	7.96E-12	5.78E-15	1.4E-13	1.05E-14	1.55802E-13	1.082E-08	8.0199E-06	1E-06	3.41422E-12	2.33533E-14	1.70415E-12	3.8855E-15
731	570750.6	4178839	0.55, 41788	0.23931	0.26333	0.21642	129.30344	65.03758	176.13066	16.25667	13.35444	22.02002	1.1E-08	8.91E-06	1.11E-06	3.38E-12	1.02E-11	8.06E-12	5.85E-15	1.41E-13	1.06E-14	1.57802E-13	1.096E-08	8.9149E-06	1.11E-06	3.45806E-12	2.36532E-14	1.72603E-12	3.9353E-15
732	570790.6	4178839	0.55, 41788	0.2546	0.28325	0.22784	148.04332	66.52984	161.44916	18.88746	13.10425	20.18115	1.15E-08	8.17E-06	1.02E-06	3.56E-12	1.07E-11	8.49E-12	6.16E-15	1.49E-13	1.12E-14	1.6613E-13	1.153E-08	8.1719E-06	1.02E-06	3.64056E-12	2.49014E-14	1.81712E-12	4.143E-15
733	570830.6	4178839	0.55, 41788	0.26766	0.30497	0.26524	136.3658	90.38201	203.70222	17.19519	14.05196	26.51864	1.34E-08	1.03E-05	1.34E-06	4.14E-12	1.25E-11	9.88E-12	7.17E-15	1.73E-13	1.3E-14	1.93396E-13	1.343E-08	1.0311E-05	1.34E-06	4.23805E-12	2.89883E-14	2.11535E-12	4.823E-15
734	570870.6	4178839	0.55, 41788	0.28248	0.32215	0.27934	145.76117	97.26265	213.43334	18.22015	15.13016	26.67917	1.41E-08	1.08E-05	1.35E-06	4.36E-12	1.32E-11	1.04E-11	7.55E-15	1.82E-13	1.37E-14	2.03677E-13	1.414E-08	1.0803E-05	1.35E-06	4.46335E-12	3.05293E-14	2.2278E-12	5.0794E-15
735	570910.6	4178839	0.55, 41788	0.28799	0.33135	0.25629	130.6935	87.1686	210.24612	16.33669	13.50967	26.28077	1.3E-08	1.06E-05	1.33E-06	4E-12	1.21E-11	9.55E-12	6.93E-15	1.67E-13	1.26E-14	1.86877E-13	1.298E-08	1.0642E-05	1.33E-06	4.0952E-12	2.80112E-14	2.04405E-12	4.6604E-15
736	570950.6	4178839	0.55, 41788	0.28758	0.33724	0.25781	143.26415	81.64199	232.33178	17.90802	13.93242	29.04147	1.31E-08	1.18E-05	1.47E-06	4.03E-12	1.22E-11	9.61E-12	6.97E-15	1.68E-13	1.27E-14	1.87986E-13	1.305E-08	1.1759E-05	1.47E-06	4.11951E-12	2.81774E-14	2.05618E-12	4.6881E-15
737	570990.6	4178839	0.55, 41788	0.28844	0.33412	0.27084	115.42228	74.82901	134.90402	15.11344	13.01217	21.06919	1.37E-08	6.83E-06	1.07E-06	4.23E-12	1.28E-11	1.01E-11	7.32E-15	1.77E-13	1.33E-14	1.97483E-13	1.371E-08	6.8285E-06	1.07E-06	4.32763E-12	2.9601E-14	2.16006E-12	4.9249E-15
738	571030.6	4178839	0.55, 41788	0.29049	0.32848	0.28015	122.60648	67.85889	167.69329	20.43441	11.21527	20.96166	1.42E-08	8.49E-06	1.06E-06	4.38E-12	1.32E-11	1.04E-11	7.57E-15	1.83E-13	1.38E-14	2.04268E-13	1.418E-08	8.4879E-06	1.06E-06	4.47631E-12	3.0618E-14	2.23427E-12	5.0941E-15
739	571070.6	4178839	0.55, 41788	0.28682	0.32211	0.27916	145.80556	62.69899	194.95005	22.09774	10.44682	32.49167	1.41E-08	9.87E-06	1.64E-06	4.36E-12	1.32E-11	1.04E-11	7.55E-15	1.82E-13	1.37E-14	2.03545E-13	1.413E-08	9.8673E-06	1.64E-06	4.46047E-12	3.05096E-14	2.22637E-12	5.0761E-15
740	571110.6	4178839	0.55, 41788	0.272	0.3104	0.2597	131.09883	59.8466	180.45962	17.36249	9.97443	23.15348	1.31E-08	9.13E-06	1.17E-06	4.06E-12	1.22E-11	9.68E-12	7.02E-15	1.7E-13	1.28E-14	1.89358E-13	1.315E-08	9.1339E-06	1.17E-06	4.14958E-12	2.83832E-14	2.07119E-12	4.7223E-15
741	571150.6	4178839	0.55, 41788	0.26	0.30055	0.24148	99.99815	55.57889	134.60776	12.49977	9.26315	16.82597	1.22E-08	6.81E-06	8.52E-07	3.77E-12	1.14E-11	9E-12	6.53E-15	1.58E-13	1.19E-14	1.76076E-13	1.223E-08	6.8133E-06	8.52E-07	3.85851E-12	2.63922E-14	1.9259E-12	4.3911E-15
742	571190.6	4178839	0.55, 41788	0.2552	0.29099	0.23588	127.82601	53.11626	132.48794	15.97966	8.85271	16.56099	1.19E-08	6.71E-06	8.38E-07	3.69E-12	1.11E-11	8.79E-12	6.38E-15	1.54E-13	1.16E-14	1.71992E-13	1.194E-08	6.706E-06	8.38E-07	3.76902E-12	2.57801E-14	1.88124E-12	4.2892E-15
743	571230.6	4178839	0.55, 41788	0.25406	0.28009	0.23929	144.46225	51.51588	176.21864	18.06666	8.58598	22.02733	1.21E-08	8.92E-06	1.12E-06	3.74E-12	1.13E-11	8.92E-12	6.47E-15	1.56E-13	1.18E-14	1.74476E-13	1.211E-08	8.9192E-06	1.12E-06	3.82344E-12	2.61524E-14	1.9084E-12	4.3512E-15
744	571270.6	4178839	0.55, 41788	0.2507	0.26766	0.24251	121.82335	49.56018	161.92313	15.26733	8.26003	20.24326	1.23E-08	8.2E-06	1.02E-06	3.79E-12	1.14E-11	9.04E-12	6.56E-15	1.58E-13	1.19E-14	1.7682E-13	1.228E-08	8.1956E-06	1.02E-06	3.87483E-12	2.65038E-14	1.93405E-12	4.4096E-15
745	571310.6	4178839	0.55, 41788	0.24184	0.25433	0.23951	103.21026	44.65355	122.05645	14.74432	7.58702	17.43664	1.21E-08	6.18E-06	8.83E-07	3.74E-12	1.13E-11	8.92E-12	6.47E-15	1.56E-13	1.18E-14	1.74631E-13	1.213E-08	6.1779E-06	8.83E-07	3.82685E-12	2.61757E-14	1.9101E-12	4.355E-15
746	571350.6	4178839	0.55, 41788	0.22797	0.24079	0.22797	99.0464	44.12829	113.73434	14.35742	7.39344	18.63488	1.15E-08	5.76E-06	9.43E-07	3.56E-12	1.08E-11	8.49E-12	6.16E-15	1.49E-13	1.12E-14	1.66217E-13	1.154E-08	5.7567E-06	9.43E-07	3.64246E-12	2.49144E-14	1.81807E-12	4.1452E-15
747	571390.6	4178839	0.55, 41788	0.21103	0.22733	0.21036	102.76287	42.76623	112.22851	13.91866	7.25999	15.15441	1.06E-08	5.68E-06	7.67E-07	3.29E-12	9.92E-12	7.84E-12	5.69E-15	1.37E-13	1.03E-14	1.53378E-13	1.065E-08	5.6805E-06	7.67E-07	3.36111E-12	2.299E-14	1.67764E-12	3.825E-15
748	571430.6	4178839	0.55, 41788	0.19469	0.21494	0.19186	96.70075	41.37793	118.14409	13.13698	7.12068	15.87157	9.71E-09	5.98E-06	8.03E-07	3E-12	9.05E-12	7.15E-12	5.19E-15	1.25E-13	9.43E-15	1.39891E-13	9.713E-09	5.9799E-06	8.03E-07	3.06555E-12	2.09684E-14	1.53011E-12	3.4887E-15
749	571470.6	4178839	0.55, 41788	0.18137	0.20392	0.17665	77.02264	40.18933	97.95965	10.5662	6.94319	13.29535	8.94E-09	4.96E-06	6.73E-07	2.76E-12	8.33E-12	6.58E-12	4.78E-15	1.15E-13	8.68E-15	1.28802E-13	8.943E-09	4.9583E-06	6.73E-07	2.82255E-12	1.93062E-14	1.40882E-12	3.2121E-15
750	571510.6	4178839	0.55, 41788	0.17253	0.19446	0.16733	52.60803	39.21497	67.39367	7.34906	6.67327	9.32595	8.47E-09	3.41E-06	4.72E-07	2.61E-12	7.89E-12	6.23E-12	4.52E-15	1.09E-13	8.22E-15	1.22006E-13	8.471E-09	3.4113E-06	4.72E-07	2.67364E-12	1.82877E-14	1.3345E-12	3.0427E-15
751	571550.6	4178839	0.55, 41788	0.16797	0.18619	0.16347	68.59481	38.25365	67.50423	9.65516	6.29212	9.48561	8.28E-09	3.42E-06	4.8E-07	2.55E-12	7.71E-12	6.09E-12	4.42E-15	1.07E-13	8.03E-15	1.19191E-13	8.276E-09	3.4169E-06	4.8E-07	2.61195E-12	1.78657E-14	1.30371E-12	2.9725E-15
752	571590.6	4178839	0.55, 41788	0.16271	0.17607	0.15959	86.9293	37.04871	99.01478	11.93163	5.86384	13.49632	8.08E-09	5.01E-06	6.83E-07	2.49E-12	7.53E-12	5.95E-12	4.31E-15	1.04E-13	7.84E-15	1.16361E-13	8.079E-09	5.0117E-06	6.83E-07	2.54993E-12	1.74415E-14	1.27275E-12	2.9019E-15
753	570839.2	4178446	9.17, 41784	74.46739	6.86955	3.72049	1115.31188	246.53605	1658.95445	545.24687	92.47095	232.89196	1.88E-07	8.4E-05	1.18E-05	5.82E-11	1.76E-10	1.39E-10	1.01E-13	2.43E-12	1.83E-13	2.71463E-12	1.885E-07	8.3964E-05	1.18E-05	5.94882E-11	4.069E-13	2.96925E-11	6.7699E-14
754	570839.2	4178486	9.17, 41784	72.70489	8.35312	4.22209	2611.28562	240.43522	1473.87155	1286.82968	90.10385	245.64526	2.14E-07	7.46E-05	1.24E-05	6.6E-11	1.99E-10	1.57E-10	1.14E-13	2.76E-12	2.08E-13	3.08049E-12	2.139E-07	7.4599E-05	1.24E-05	6.75055E-11	4.61737E-13	3.36941E-11	7.6823E-14
755	570879.2	4178406	9.17, 41784	9.26791	12.09581	2.86973	654.37651	281.54322	1652.24347	174.87233	99.71055	250.6883	1.45E-07	8.36E-05	1.27E-05	4.49E-11	1.35E-10	1.07E-10	7.76E-14	1.88E-12	1.41E-13	2.09413E-12	1.454E-07	8.3624E-05	1.27E-05	4.58905E-11	3.13891E-13	2.29054E-11	5.2224E-14
756	570879.2	4178446	9.17, 41784	110.98197	13.33715	11.62742	3333.88644	260.53475	3586.87714	1717.50318	91.01179	770.8732	5.89E-07	0.000182	3.9E-05	1.82E-10	5.49E-10	4.33E-10	3.14E-13	7.59E-12	5.72E-13	8.47995E-12	5.888E-07	0.00018154	3.9E-05	1.85829E-10	1.27107E-12	9.27531E-11	2.1148E-13
757	570879.2	4178486	9.17, 41784	18.42358	13.79846	20.70311	473.0449	246.35325	4578.74855	141.68031	100.88031	655.29094	1.05E-06	0.000232	3.32E-05	3.23E-10	9.76E-10	7.71E-10	5.6E-13	1.35E-11	1.02E-12	1.50935E-11	1.048E-06	0.00023173	3.32E-05	3.30757E-10	2.26238E-12	1.65092E-10	3.7641E-13
758	570879.2	4178526	9.17, 41785	94.91809	17.71904	9.02777	3340.71117	271.69492	2014.80922	1490.9797	113.49448	441.47053	4.57E-07	0.000102	2.24E-05	1.41E-10	4.26E-10	3.37E-10	2.44E-13	5.9E-12	4.44E-13	6.58551E-12	4.572E-07	0.00010198	2.24E-05	1.44314E-10	9.8711E-13	7.20319E-11	1.6423E-13
759	570879.2	4178566	9.17, 41785	6.34056	7.84517	3.48916	517.57011	248.69096	1100.96831	138.67192	92.32789	171.27972	1.77E-07	5.57E-05	8.67E-06	5.45E-11	1.65E-10	1.3E-10	9.43E-14	2.28E-12	1.72E-13	2.54481E-12	1.767E-07	5.5723E-05	8.67E-06	5.57668E-11	3.81445E-13	2.7835E-11	6.3464E-14
760	570919.2	4178366	9.17, 41783	2.36921	8.89638	1.45024	279.82249	231.14799	970.86833	50.20448	85.64726	145.20587	7.35E-08	4.91E-05	7.35E-06	2.27E-11	6.85E-11	5.41E-11	3.93E-14	9.48E-13	7.14E-14	1.05874E-12	7.351E-08	4.9138E-05	7.35E-06	2.32011E-11	1.58695E-13	1.15804E-11	2.6403E-14
761	570919.2	4178406	9.17, 41784	7.16288	18.51893	2.95623	387.12304	281.06153	1814.51514	102.95605	123.97591	301.78328	1.5E-07	9.18E-05	1.53E-05	4.62E-11	1.4E-10	1.1E-10	8E-14	1.93E-12	1.45E-13	2.15829E-12	1.499E-07	9.1836E-05	1.53E-05	4.72966E-11	3.23509E-13	2.36072E-11	5.3825E-14
762	570919.2	4178446	9.17, 41784	30.90779	15.96768	15.85005	761.46723	266.85593	6280.62092	290.35951	97.37786	1155.63511	8.02E-07	0.000318	5.85E-05	2.48E-10	7.48E-10	5.91E-10	4.28E-13	1.03E-11	7.79E-13	1.15567E-11	8.024E-07	0.00031786	5.85E-05	2.53253E-10	1.73225E-12	1.26406E-10	2.8821E-13
763	570919.2	4178486	9.17, 41784	29.57453	18.16179	468.02027	992.62163	281.14129	31654.24271	425.98322	121.6397	9353.86757	2.37E-05	0.001602	0.000473	7.31E-09	2.21E-08	1.74E-08	1.26E-11	3.06E-10	2.3E-11	3.41147E-10	2.369E-05	0.00160201	0.000473	7.47587E-09	5.11349E-11	3.73144E-09	8.5077E-12
764	570919.2	4178526	9.17, 41785	19.47257	21.77306	15.13476	427.44744	357.8357	3633.422	126.47105	151.21701	760.0028	7.66E-07	0.000184	3.85E-05	2.36E-10	7.14E-10	5.64E-10	4.09E-13	9.88E-12	7.44E-13	1.10361E-11	7.663E-07	0.00018389	3.85E-05	2.41845E-10	1.65422E-12	1.20713E-10	2.7522E-13
765	570919.2	4178566	9.17, 41785	68.70701	17.81326	4.44491	3547.24462	326.79695	1605.72558	1121.59815	123.62419	257.53275	2.25E-07	8.13E-05	1.3E-05	6.95E-11	2.1E-10	1.66E-10	1.2E-13	2.91E-12	2.19E-13	3.24452E-12	2.253E-07	8.1274E-05	1.3E-05	7.11001E-11	4.86325E-13	3.54883E-11	8.0913E-14
766	570959.2	4178326	9.17, 41783	2.08146	12.83514	1.34475	279.67021	252.56813	633.18912	42.32993	97.81035	79.64117	6.82E-08	3.2E-05	4.03E-06	2.11E-11	6.36E-11	5.02E-11	3.64E-14	8.8E-13	6.62E-14	9.82548E-13	6.822E-08	3.2049E-05	4.03E-06	2.15315E-11	1.47275E-13	1.0747E-11	2.4503E-14
767	570959.2	4178366	9.17, 41783	2.97969	11.80225	1.85212	241.09871	252.07126	954.07883	42.48046	78.75938	136.29698	9.39E-08	4.83E-05	6.9E-06	2.9E-11	8.75E-11	6.91E-11	5.01E-14	1.21E-12	9.12E-14	1.35221E-12	9.389E-08	4.8289E-05	6.9E-06	2.96321E-11	2.02684E-13	1.47903E-11	3.3722E-14
768	570959.2	4178406	9.17, 41784	5.48321	18.00699	4.34111	312.89849	292.26242	1429.75284	67.10795	111.57482	238.11199	2.2E-07	7.24E-05	1.21E-05	6.79E-11	2.05E-10	1.62E-10	1.17E-13	2.84E-12	2.14E-13	3.16761E-12	2.199E-07	7.2363E-05	1.21E-05	6.94148E-11	4.74797E-13	3.46471E-11	7.8995E-14
769	570959.2	4178446	9.17, 41784	13.2141	15.9724	27.93872	471.07205	258.82785	2485.7483	129.31081	100.45092	486.63208	1.41E-06	0.000126	2.46E-05	4.36E-10	1.32E-09	1.04E-09	7.55E-13	1.82E-11	1.37E-12	2.03679E-11	1.414E-06	0.00012581	2.46E-05	4.4634E-10	3.05296E-12	2.22782E-10	5.0794E-13
770	570959.2	4178486	9.17, 41784	61.20406	15.71053	62.85492	1330.20017	250.50131	2800.83581	539.4281	101.77571	895.66291	3.18E-06	0.000142	4.53E-05	9.82E-10	2.96E-09	2.34E-09	1.7E-12	4.1E-11	3.09E-12	4.58195E-11	3.181E-06	0.00014175	4.53E-05	1.00408E-09	6.86793E-12	5.0117E-10	1.1427E-12
771	570959.2	4178526	9.17, 41785	233.18259	14.04006	12.98457	3491.90215	258.73899	2789.84609	1687.05022	110.68808	397.86928	6.58E-07	0.000141	2.02E-05	2.03E-10	6.13E-10	4.84E-10	3.51E-13	8.48E-12	6.38E-13	9.47179E-12	6.576E-07	0.0001412	2.02E-05	2.07564E-10	1.41974E-12	1.03602E-10	2.3621E-13
772	570999.2	4178286	9.17, 41782	4.82709	7.01905	1.81527	541.05323	230.67805	782.52024	117.6944	82.70868	130.42004	9.2E-08	3.96E-05	6.6E-06	2.84E-11	8.57E-11	6.77E-11	4.91E-14	1.19E-12	8.93E-14	1.32452E-12	9.196E-08	3.9607E-05	6.6E-06	2.90255E-11	1.98534E-13	1.44875E-11	3.3032E-14

773	570999.2	4178326	9.17, 41783	3.49216	17.23511	2.06149	334.8047	281.26172	702.77079	73.88295	121.01705	110.07877	1.05E-07	3.56E-05	5.57E-06	3.23E-11	9.74E-11	7.69E-11	5.58E-14	1.35E-12	1.02E-13	1.5058E-12	1.046E-07	3.5571E-05	5.57E-06	3.2998E-11	2.25707E-13	1.64704E-11	3.7552E-14
774	570999.2	4178366	9.17, 41783	3.49499	15.86199	2.88936	258.09779	262.50756	719.40934	51.99585	99.38677	89.92617	1.46E-07	3.64E-05	4.55E-06	4.52E-11	1.36E-10	1.08E-10	7.82E-14	1.89E-12	1.42E-13	2.109E-12	1.464E-07	3.6413E-05	4.55E-06	4.62164E-11	3.1612E-13	2.30681E-11	5.2595E-14
775	570999.2	4178406	9.17, 41784	4.67229	14.08019	6.50261	269.25985	258.20089	888.73579	48.54927	90.52886	138.83889	3.29E-07	4.5E-05	7.03E-06	1.02E-10	3.07E-10	2.42E-10	1.76E-13	4.25E-12	3.2E-13	4.74242E-12	3.293E-07	4.4982E-05	7.03E-06	1.03925E-10	7.10847E-13	5.18723E-11	1.1827E-13
776	570999.2	4178446	9.17, 41784	8.21208	17.59623	13.45709	365.10896	254.50285	1091.31402	80.87758	113.65243	185.77432	6.81E-07	5.52E-05	9.4E-06	2.1E-10	6.35E-10	5.01E-10	3.64E-13	8.79E-12	6.61E-13	9.8123E-12	6.813E-07	5.5235E-05	9.4E-06	2.15026E-10	1.47078E-12	1.07326E-10	2.447E-13
777	570999.2	4178486	9.17, 41784	18.06608	14.21786	20.31738	585.19163	263.25351	1140.06137	156.20535	101.07997	297.24229	1.03E-06	5.77E-05	1.5E-05	3.17E-10	9.58E-10	7.57E-10	5.49E-13	1.33E-11	9.98E-13	1.48124E-11	1.028E-06	5.7702E-05	1.5E-05	3.24598E-10	2.22025E-12	1.62017E-10	3.694E-13
778	571039.2	4178246	9.17, 41782	16.91212	6.90765	2.82369	857.31055	271.11205	1316.76682	274.95229	93.64332	189.48612	1.43E-07	6.66E-05	9.59E-06	4.41E-11	1.33E-10	1.05E-10	7.64E-14	1.84E-12	1.39E-13	2.05979E-12	1.43E-07	6.6646E-05	9.59E-06	4.51381E-11	3.08744E-13	2.25299E-11	5.1368E-14
779	571039.2	4178286	9.17, 41782	28.85834	15.10006	3.68614	1240.055	260.3069	1323.38037	549.80999	92.85324	215.01085	1.87E-07	6.7E-05	1.09E-05	5.76E-11	1.74E-10	1.37E-10	9.97E-14	2.41E-12	1.81E-13	2.69015E-12	1.868E-07	6.6981E-05	1.09E-05	5.89517E-11	4.0323E-13	2.94247E-11	6.7088E-14
780	571039.2	4178326	9.17, 41783	6.67676	17.1171	4.10991	443.85334	276.43557	1246.54946	131.23026	111.87763	155.81868	2.08E-07	6.31E-05	7.89E-06	6.43E-11	1.94E-10	1.53E-10	1.11E-13	2.69E-12	2.02E-13	2.99896E-12	2.082E-07	6.3091E-05	7.89E-06	6.57188E-11	4.49517E-13	3.28024E-11	7.4789E-14
781	571039.2	4178366	9.17, 41783	4.40971	16.57374	4.87433	310.01939	259.88486	992.68074	73.97776	106.04392	160.75052	2.47E-07	5.02E-05	8.14E-06	7.62E-11	2.3E-10	1.82E-10	1.32E-13	3.18E-12	2.4E-13	3.556E-12	2.469E-07	5.0243E-05	8.14E-06	7.79259E-11	5.33013E-13	3.88953E-11	8.8681E-14
782	571039.2	4178406	9.17, 41784	4.40492	15.47088	6.2465	249.62047	251.60574	625.26496	54.55389	95.67705	86.62547	3.16E-07	3.16E-05	4.38E-06	9.76E-11	2.95E-10	2.33E-10	1.69E-13	4.08E-12	3.07E-13	4.55599E-12	3.163E-07	3.1648E-05	4.38E-06	9.98395E-11	6.82902E-13	4.98331E-11	1.1362E-13
783	571039.2	4178446	9.17, 41784	6.02235	17.33371	7.45895	271.18693	258.43077	565.95619	53.34538	113.33058	91.15286	3.78E-07	2.86E-05	4.61E-06	1.17E-10	3.52E-10	2.78E-10	2.02E-13	4.87E-12	3.67E-13	5.44012E-12	3.777E-07	2.8646E-05	4.61E-06	1.19214E-10	8.15426E-13	5.95036E-11	1.3567E-13
784	571079.2	4178246	9.17, 41782	26.90238	12.76385	4.78342	686.22219	257.40547	1959.72628	294.80616	92.56412	417.67679	2.42E-07	9.92E-05	2.11E-05	7.48E-11	2.26E-10	1.78E-10	1.29E-13	3.12E-12	2.35E-13	3.48951E-12	2.423E-07	9.9185E-05	2.11E-05	7.64687E-11	5.23046E-13	3.8168E-11	8.7023E-14
785	571079.2	4178286	9.17, 41782	49.90964	15.92317	13.80121	957.6563	283.49226	4117.74908	414.11972	108.09945	689.22522	6.99E-07	0.000208	3.49E-05	2.16E-10	6.51E-10	5.14E-10	3.73E-13	9.01E-12	6.78E-13	1.00637E-11	6.987E-07	0.0002084	3.49E-05	2.20534E-10	1.50845E-12	1.10076E-10	2.5097E-13
786	571079.2	4178326	9.17, 41783	16.67986	14.36437	14.4793	793.60016	243.70787	3077.685	313.14105	91.11491	664.711	7.33E-07	0.000156	3.36E-05	2.26E-10	6.83E-10	5.39E-10	3.91E-13	9.45E-12	7.12E-13	1.0557E-11	7.33E-07	0.00015576	3.36E-05	2.31345E-10	1.5824E-12	1.15472E-10	2.6328E-13
787	571079.2	4178366	9.17, 41783	6.18218	17.09307	7.0902	419.38901	255.0076	1488.27193	110.95083	108.56867	287.95219	3.59E-07	7.53E-05	1.46E-05	1.11E-10	3.35E-10	2.64E-10	1.92E-13	4.63E-12	3.49E-13	5.1713E-12	3.591E-07	7.5325E-05	1.46E-05	1.13323E-10	7.75131E-13	5.65633E-11	1.2896E-13
788	571079.2	4178406	9.17, 41784	4.42977	14.91	5.35349	310.20505	209.99469	815.89349	72.09993	91.11305	117.58287	2.71E-07	4.13E-05	5.95E-06	8.37E-11	2.53E-10	2E-10	1.45E-13	3.5E-12	2.63E-13	3.90497E-12	2.711E-07	4.1295E-05	5.95E-06	8.55731E-11	5.8532E-13	4.27123E-11	9.7384E-14
789	571119.2	4178286	9.17, 41782	25.0824	15.07438	138.00946	507.91812	256.39153	16734.57469	211.8106	106.96205	4271.60103	6.98E-06	0.000847	0.000216	2.16E-09	6.51E-09	5.14E-09	3.73E-12	9.01E-11	6.78E-12	1.00599E-10	6.985E-06	0.00084693	0.000216	2.20452E-09	1.50789E-11	1.10035E-09	2.5088E-12
790	571119.2	4178326	9.17, 41783	197.49067	14.51391	52.98238	3348.29445	230.6601	7805.71053	1622.72219	95.52079	2122.69744	2.68E-06	0.000395	0.000107	8.28E-10	2.5E-09	1.97E-09	1.43E-12	3.46E-11	2.6E-12	3.86258E-11	2.682E-06	0.00039505	0.000107	8.46443E-10	5.78967E-12	4.22487E-10	9.6327E-13
791	571119.2	4178366	9.17, 41783	10.01384	12.46582	9.59129	630.48898	206.62645	2115.5821	198.58486	83.22549	424.70779	4.86E-07	0.000107	2.15E-05	1.5E-10	4.52E-10	3.57E-10	2.59E-13	6.26E-12	4.71E-13	6.9936E-12	4.856E-07	0.00010707	2.15E-05	1.53257E-10	1.04828E-12	7.64955E-11	1.7441E-13
792	571159.2	4178326	9.17, 41783	219.15803	19.05137	35.48029	3124.9508	277.70648	3646.5914	1560.39264	128.55095	753.34584	1.8E-06	0.000185	3.81E-05	5.54E-10	1.67E-09	1.32E-09	9.59E-13	2.32E-11	1.74E-12	2.58697E-11	1.796E-06	0.00018456	3.81E-05	5.66906E-10	3.87764E-12	2.82961E-10	6.4515E-13
793	570808.8	4178465	8.82, 41784	10.95844	3.34212	2.15804	1253.90468	193.66587	956.23037	302.59047	56.7134	159.37173	1.09E-07	4.84E-05	8.07E-06	3.37E-11	1.02E-10	8.04E-11	5.83E-14	1.41E-12	1.06E-13	1.57383E-12	1.093E-07	4.8399E-05	8.07E-06	3.44888E-11	2.35904E-13	1.72145E-11	3.9249E-14
794	570823.9	4178530	3.91, 41785	3.05561	3.25593	2.40542	358.64643	197.99385	1108.94733	70.39413	63.38636	140.39269	1.22E-07	5.61E-05	7.11E-06	3.76E-11	1.13E-10	8.96E-11	6.5E-14	1.57E-12	1.18E-13	1.75397E-12	1.218E-07	5.6126E-05	7.11E-06	3.84364E-11	2.62905E-13	1.91849E-11	4.3741E-14
795	570883.3	4178602	3.31, 41786	3.07425	4.49746	2.05933	479.66242	287.53386	914.81532	94.76169	103.00469	119.05382	1.04E-07	4.63E-05	6.03E-06	3.22E-11	9.72E-11	7.67E-11	5.57E-14	1.35E-12	1.01E-13	1.50193E-12	1.043E-07	4.6303E-05	6.03E-06	3.29132E-11	2.25126E-13	1.6428E-11	3.7456E-14
796	571181.5	4178310	1.45, 41783	77.30582	13.12592	35.80897	2585.53888	242.23364	1672.90767	872.95261	114.20023	513.62427	1.81E-06	8.47E-05	2.6E-05	5.59E-10	1.69E-09	1.33E-09	9.68E-13	2.34E-11	1.76E-12	2.61053E-11	1.813E-06	8.4672E-05	2.6E-05	5.7207E-10	3.91296E-12	2.85538E-10	6.5103E-13
797	571067.8	4178207	7.83, 41782	5.36607	4.9243	1.64986	895.65181	299.02694	904.65641	223.56067	96.05921	144.20823	8.36E-08	4.58E-05	7.3E-06	2.58E-11	7.79E-11	6.15E-11	4.46E-14	1.08E-12	8.11E-14	1.20359E-12	8.357E-08	4.5789E-05	7.3E-06	2.63753E-11	1.80407E-13	1.31648E-11	3.0016E-14
798	570799.9	4178447	9.89, 41784	4.88888	2.78293	1.75814	732.83791	152.28075	768.58836	142.77112	52.0733	124.31973	8.9E-08	3.89E-05	6.29E-06	2.75E-11	8.29E-11	6.55E-11	4.75E-14	1.15E-12	8.64E-14	1.28212E-12	8.902E-08	3.8901E-05	6.29E-06	2.80963E-11	1.92178E-13	1.40237E-11	3.1974E-14

	Trenching	Grading	Stockpile
Emissions Rate (g/s):	1.20E-12	1.06E-11	4.32E-08

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	0.0057	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	0.0057	10	2	70	0.85
2<9	861	1	0.854795	0.000001	0.0057	3	0.55	70	0.72
Student	640	1	0.493151	0.000001	0.0057	3	2.8	70	1
Worker	230	1	0.684932	0.000001	0.0057	1	2.8	70	1

1,1-Dichloroethane

	Chronic (Annu	Acute (1hr)	8hr
REL:	1	1	1

													Concentration (μg/m^3)			Unmitigated										Student		Worker	
				Concentration [μg/m^3] at 1 g/s									Unmitigated			Residential Dose			Risk by Age Group				Unmitigated			Unmitigated		Unmitigated	
#	X	Y	X,Y	Trenching Period	Grading Period	Stockpile Period	Treching 1hr	Grading 1hr	Stockpile 1hr	Trenching 8hr	Grading 8hr	Stockpile 8hr	Period Tota	1hr Total	8hr Total	3rd	0<2	2<9	3rd	0<2	2<9	Total Risk	Chronic	Acute	8hr	Dose	Risk	Dose	Risk
1	570310.6	4177919	0.55, 41779	0.08215	0.06425	0.08047	53.98877	25.74637	57.86027	6.7486	3.78109	7.23253	3.47E-09	2.5E-06	3.12E-07	1.07E-12	3.24E-12	2.56E-12	1.85E-16	4.48E-15	2.47E-16	4.91303E-15	3.474E-09	2.4974E-06	3.12E-07	1.09634E-12	7.49899E-16	5.4722E-13	1.25E-16
2	570350.6	4177919	0.55, 41779	0.08744	0.06946	0.0859	61.34869	26.43683	62.74615	7.66859	3.66465	7.84327	3.71E-09	2.71E-06	3.39E-07	1.14E-12	3.45E-12	2.73E-12	1.98E-16	4.78E-15	2.64E-16	5.24457E-15	3.708E-09	2.7083E-06	3.39E-07	1.17033E-12	8.00503E-16	5.84147E-13	1.33E-16
3	570390.6	4177919	0.55, 41779	0.09273	0.07514	0.09126	67.57642	27.23616	68.95787	8.44705	3.80844	8.61973	3.94E-09	2.98E-06	3.72E-07	1.22E-12	3.67E-12	2.9E-12	2.1E-16	5.08E-15	2.8E-16	5.57184E-15	3.939E-09	2.9764E-06	3.72E-07	1.24336E-12	8.50456E-16	6.20599E-13	1.41E-16
4	570430.6	4177919	0.55, 41779	0.09799	0.08123	0.09661	71.34976	28.07066	72.35504	8.91872	4.01428	9.04438	4.17E-09	3.12E-06	3.9E-07	1.29E-12	3.89E-12	3.07E-12	2.23E-16	5.38E-15	2.97E-16	5.8985E-15	4.17E-09	3.123E-06	3.9E-07	1.31625E-12	9.00317E-16	6.56984E-13	1.5E-16
5	570470.6	4177919	0.55, 41779	0.10292	0.08757	0.10182	71.34124	28.88227	71.18869	8.91766	4.18506	8.89859	4.4E-09	3.07E-06	3.84E-07	1.36E-12	4.1E-12	3.23E-12	2.35E-16	5.67E-15	3.13E-16	6.21663E-15	4.395E-09	3.0727E-06	3.84E-07	1.38724E-12	9.48874E-16	6.92417E-13	1.58E-16
6	570510.6	4177919	0.55, 41779	0.10719	0.09397	0.10631	70.57748	29.51269	72.86498	8.82218	4.31581	9.10812	4.59E-09	3.15E-06	3.93E-07	1.42E-12	4.28E-12	3.38E-12	2.45E-16	5.92E-15	3.27E-16	6.4908E-15	4.589E-09	3.1451E-06	3.93E-07	1.44842E-12	9.90723E-16	7.22955E-13	1.65E-16
7	570550.6	4177919	0.55, 41779	0.11095	0.10041	0.10942	80.02506	30.00614	83.29269	10.00313	4.88273	10.41159	4.72E-09	3.6E-06	4.49E-07	1.46E-12	4.4E-12	3.48E-12	2.52E-16	6.09E-15	3.36E-16	6.68074E-15	4.723E-09	3.5951E-06	4.49E-07	1.49081E-12	1.01971E-15	7.44111E-13	1.7E-16
8	570590.6	4177919	0.55, 41779	0.11537	0.10684	0.11183	81.14556	31.22548	84.40479	10.14319	5.49199	10.5506	4.83E-09	3.64E-06	4.55E-07	1.49E-12	4.5E-12	3.55E-12	2.58E-16	6.23E-15	3.44E-16	6.82795E-15	4.828E-09	3.6431E-06	4.55E-07	1.52366E-12	1.04218E-15	7.60507E-13	1.73E-16
9	570630.6	4177919	0.55, 41779	0.12154	0.11343	0.11602	82.02682	32.76834	84.97635	10.54682	6.07261	10.62204	5.01E-09	3.67E-06	4.59E-07	1.55E-12	4.67E-12	3.69E-12	2.67E-16	6.46E-15	3.57E-16	7.08382E-15	5.008E-09	3.6678E-06	4.59E-07	1.58076E-12	1.08124E-15	7.89006E-13	1.8E-16
10	570670.6	4177919	0.55, 41779	0.12896	0.11974	0.12346	90.28793	34.09351	94.2666	12.11861	6.60764	13.84836	5.33E-09	4.07E-06	5.98E-07	1.64E-12	4.97E-12	3.92E-12	2.85E-16	6.87E-15	3.79E-16	7.53807E-15	5.33E-09	4.0688E-06	5.98E-07	1.68212E-12	1.15057E-15	8.39601E-13	1.91E-16
11	570710.6	4177919	0.55, 41779	0.13589	0.12543	0.13131	92.03158	38.34133	98.54944	11.50395	7.03486	13.72911	5.67E-09	4.25E-06	5.93E-07	1.75E-12	5.28E-12	4.17E-12	3.03E-16	7.31E-15	4.04E-16	8.01734E-15	5.668E-09	4.2537E-06	5.93E-07	1.78907E-12	1.22372E-15	8.92983E-13	2.04E-16
12	570750.6	4177919	0.55, 41779	0.14097	0.13029	0.13561	98.93292	42.68075	106.54938	12.36662	7.25038	14.15663	5.85E-09	4.6E-06	6.11E-07	1.81E-12	5.45E-12	4.31E-12	3.13E-16	7.55E-15	4.17E-16	8.27989E-15	5.854E-09	4.599E-06	6.11E-07	1.84766E-12	1.2638E-15	9.22226E-13	2.1E-16
13	570790.6	4177919	0.55, 41779	0.1434	0.13429	0.137	101.78306	44.96916	112.12821	12.72288	7.16867	14.01603	5.91E-09	4.84E-06	6.05E-07	1.82E-12	5.51E-12	4.35E-12	3.16E-16	7.63E-15	4.21E-16	8.3648E-15	5.914E-09	4.8398E-06	6.05E-07	1.86661E-12	1.27676E-15	9.31684E-13	2.12E-16
14	570830.6	4177919	0.55, 41779	0.14249	0.1373	0.1371	103.05806	46.92439	113.14313	12.88226	6.63254	14.14289	5.92E-09	4.88E-06	6.11E-07	1.83E-12	5.51E-12	4.36E-12	3.16E-16	7.63E-15	4.21E-16	8.37095E-15	5.919E-09	4.8836E-06	6.11E-07	1.86798E-12	1.2777E-15	9.32369E-13	2.13E-16
15	570870.6	4177919	0.55, 41779	0.13915	0.13926	0.13269	113.81753	49.41272	127.10432	14.22719	6.17659	15.88804	5.73E-09	5.49E-06	6.86E-07	1.77E-12	5.34E-12	4.22E-12	3.06E-16	7.39E-15	4.08E-16	8.10179E-15	5.728E-09	5.4862E-06	6.86E-07	1.80792E-12	1.23661E-15	9.02389E-13	2.06E-16
16	570910.6	4177919	0.55, 41779	0.13537	0.14116	0.12571	103.09741	52.00284	118.27061	16.13684	6.50036	14.78383	5.43E-09	5.1E-06	6.38E-07	1.67E-12	5.06E-12	3.99E-12	2.9E-16	7E-15	3.86E-16	7.67575E-15	5.427E-09	5.1049E-06	6.38E-07	1.71285E-12	1.17159E-15	8.54936E-13	1.95E-16
17	570950.6	4177919	0.55, 41779	0.13129	0.14261	0.12523	128.63222	54.75687	154.09416	19.7206	7.6051	23.34348	5.41E-09	6.65E-06	1.01E-06	1.67E-12	5.04E-12	3.98E-12	2.89E-16	6.97E-15	3.85E-16	7.64646E-15	5.406E-09	6.651E-06	1.01E-06	1.70631E-12	1.16712E-15	8.51674E-13	1.94E-16
18	570990.6	4177919	0.55, 41779	0.12715	0.1442	0.12572	126.51514	58.01026	163.29109	18.07359	9.36612	23.3273	5.43E-09	7.05E-06	1.01E-06	1.67E-12	5.06E-12	3.99E-12	2.9E-16	7E-15	3.86E-16	7.67639E-15	5.427E-09	7.048E-06	1.01E-06	1.71299E-12	1.17168E-15	8.55007E-13	1.95E-16
19	571030.6	4177919	0.55, 41779	0.12254	0.14609	0.11762	125.39004	62.99788	174.41478	17.19472	10.49965	21.80185	5.08E-09	7.53E-06	9.41E-07	1.57E-12	4.73E-12	3.74E-12	2.71E-16	6.55E-15	3.62E-16	7.18198E-15	5.078E-09	7.5281E-06	9.41E-07	1.60266E-12	1.09622E-15	7.99939E-13	1.82E-16
20	571070.6	4177919	0.55, 41779	0.1201	0.14847	0.1104	126.80092	67.58831	177.9713	16.22667	10.87469	22.24641	4.77E-09	7.68E-06	9.6E-07	1.47E-12	4.44E-12	3.51E-12	2.54E-16	6.15E-15	3.39E-16	6.7413E-15	4.766E-09	7.6817E-06	9.6E-07	1.50432E-12	1.02896E-15	7.50856E-13	1.71E-16
21	571110.6	4177919	0.55, 41779	0.1205	0.15044	0.10927	126.62476	68.47754	165.66905	20.2586	9.61445	20.70863	4.72E-09	7.15E-06	8.94E-07	1.46E-12	4.4E-12	3.47E-12	2.52E-16	6.08E-15	3.36E-16	6.67236E-15	4.718E-09	7.1507E-06	8.94E-07	1.48894E-12	1.01843E-15	7.43177E-13	1.69E-16
22	571150.6	4177919	0.55, 41779	0.1212	0.15159	0.11602	131.66409	62.22893	172.39569	21.10658	9.19459	24.99313	5.01E-09	7.44E-06	1.08E-06	1.55E-12	4.67E-12	3.69E-12	2.67E-16	6.46E-15	3.57E-16	7.0844E-15	5.009E-09	7.441E-06	1.08E-06	1.58089E-12	1.08133E-15	7.8907E-13	1.8E-16
23	571190.6	4177919	0.55, 41779	0.12215	0.15198	0.11825	137.85581	66.48698	180.99172	19.69369	10.25241	26.94632	5.11E-09	7.81E-06	1.16E-06	1.58E-12	4.76E-12	3.76E-12	2.73E-16	6.58E-15	3.63E-16	7.22052E-15	5.105E-09	7.812E-06	1.16E-06	1.61126E-12	1.1021E-15	8.04233E-13	1.83E-16
24	571230.6	4177919	0.55, 41779	0.12354	0.15154	0.11348	148.65332	75.08948	179.38421	21.23619	9.50538	22.42303	4.9E-09	7.74E-06	9.68E-07	1.51E-12	4.56E-12	3.61E-12	2.62E-16	6.32E-15	3.49E-16	6.92936E-15	4.899E-09	7.7427E-06	9.68E-07	1.54629E-12	1.05766E-15	7.71802E-13	1.76E-16
25	571270.6	4177919	0.55, 41779	0.12544	0.15047	0.11372	135.01221	73.55453	181.97135	18.66937	9.80753	25.99591	4.91E-09	7.85E-06	1.12E-06	1.52E-12	4.57E-12	3.61E-12	2.62E-16	6.33E-15	3.5E-16	6.94399E-15	4.91E-09	7.8544E-06	1.12E-06	1.54955E-12	1.0599E-15	7.73432E-13	1.76E-16
26	571310.6	4177919	0.55, 41779	0.12844	0.14895	0.1185	144.25948	74.57026	160.72945	18.03243	9.63087	20.79832	5.12E-09	6.94E-06	8.98E-07	1.58E-12	4.77E-12	3.77E-12	2.73E-16	6.6E-15	3.64E-16	7.23575E-15	5.116E-09	6.9376E-06	8.98E-07	1.61466E-12	1.10443E-15	8.05928E-13	1.84E-16
27	571350.6	4177919	0.55, 41779	0.13264	0.1484	0.12186	134.13439	65.82548	182.86761	16.7668	8.49886	22.85845	5.26E-09	7.89E-06	9.87E-07	1.62E-12	4.9E-12	3.87E-12	2.81E-16	6.79E-15	3.75E-16	7.44084E-15	5.261E-09	7.893E-06	9.87E-07	1.66043E-12	1.13573E-15	8.28772E-13	1.89E-16
28	571390.6	4177919	0.55, 41779	0.13487	0.1464	0.12015	140.45529	51.40311	177.22554	17.55691	7.98518	22.15319	5.19E-09	7.65E-06	9.56E-07	1.6E-12	4.83E-12	3.82E-12	2.77E-16	6.69E-15	3.69E-16	7.33644E-15	5.187E-09	7.6493E-06	9.56E-07	1.63713E-12	1.1198E-15	8.17143E-13	1.86E-16
29	571430.6	4177919	0.55, 41779	0.14548	0.15293	0.12366	139.19794	49.3636	190.22803	17.39974	7.65374	23.7785	5.34E-09	8.21E-06	1.03E-06	1.65E-12	4.97E-12	3.93E-12	2.85E-16	6.89E-15	3.8E-16	7.55081E-15	5.339E-09	8.2104E-06	1.03E-06	1.68497E-12	1.15252E-15	8.4102E-13	1.92E-16
30	571470.6	4177919	0.55, 41779	0.15916	0.16179	0.13045	134.87595	45.89373	190.37308	16.85949	6.86379	23.79664	5.63E-09	8.22E-06	1.03E-06	1.74E-12	5.25E-12	4.14E-12	3.01E-16	7.26E-15	4.01E-16	7.96543E-15	5.632E-09	8.2167E-06	1.03E-06	1.77749E-12	1.2158E-15	8.87201E-13	2.02E-16
31	571510.6	4177919	0.55, 41779	0.17426	0.17151	0.14116	122.2315	42.4201	161.48029	15.27894	5.85942	20.18504	6.09E-09	6.97E-06	8.71E-07	1.88E-12	5.68E-12	4.49E-12	3.25E-16	7.86E-15	4.34E-16	8.61934E-15	6.094E-09	6.9697E-06	8.71E-07	1.92341E-12	1.31561E-15	9.60035E-13	2.19E-16
32	571550.6	4177919	0.55, 41779	0.18787	0.18026	0.15558	112.99449	35.73716	155.78517	14.12431	5.76206	19.47315	6.72E-09	6.72E-06	8.41E-07	2.07E-12	6.26E-12	4.94E-12	3.59E-16	8.66E-15	4.78E-16	9.4997E-15	6.717E-09	6.7238E-06	8.41E-07	2.11986E-12	1.44999E-15	1.05809E-12	2.41E-16
33	571590.6	4177919	0.55, 41779	0.19949	0.18751	0.17419	94.68734	29.26563	123.69427	11.83592	5.30509	15.46178	7.52E-09	5.34E-06	6.67E-07	2.32E-12	7.01E-12	5.53E-12	4.02E-16	9.7E-15	5.35E-16	1.06358E-14	7.52E-09	5.3387E-06	6.67E-07	2.37338E-12	1.62339E-15	1.18463E-12	2.7E-16
34	570310.6	4177959	0.55, 41779	0.08597	0.06676	0.0838	56.89619	26.25101	62.23098	7.11202	4.18522	7.77887	3.62E-09	2.69E-06	3.36E-07	1.12E-12	3.37E-12	2.66E-12	1.93E-16	4.67E-15	2.58E-16	5.11634E-15	3.617E-09	2.6861E-06	3.36E-07	1.14171E-12	7.80931E-16	5.69865E-13	1.3E-16
35	570350.6	4177959	0.55, 41779	0.09204	0.07257	0.08995	58.96006	27.16756	63.77509	7.37001	4.19821	7.97189	3.88E-09	2.75E-06	3.44E-07	1.2E-12	3.62E-12	2.86E-12	2.07E-16	5.01E-15	2.76E-16	5.49183E-15	3.883E-09	2.7527E-06	3.44E-07	1.2255E-12	8.38245E-16	6.11688E-13	1.39E-16
36	570390.6	4177959	0.55, 41779	0.09833	0.07904	0.09639	63.0038	28.02201	66.12463	7.87548	4.15896	8.26558	4.16E-09	2.85E-06	3.57E-07	1.28E-12	3.88E-12	3.06E-12	2.22E-16	5.37E-15	2.96E-16	5.88504E-15	4.161E-09	2.8541E-06	3.57E-07	1.31325E-12	8.98262E-16	6.55485E-13	1.49E-16
37	570430.6	4177959	0.55, 41779	0.10461	0.08611	0.10266	70.72142	28.76698	72.80329	8.84018	4.23038	9.10041	4.43E-09	3.14E-06	3.93E-07	1.37E-12	4.13E-12	3.26E-12	2.37E-16	5.72E-15	3.16E-16	6.26788E-15	4.432E-09	3.1424E-06	3.93E-07	1.39868E-12	9.56697E-16	6.98126E-13	1.59E-16
38	570470.6	4177959	0.55, 41779	0.11098	0.09385	0.10929	78.78718	29.82596	80.74124	9.8484	4.47695	10.09265	4.72E-09	3.48E-06	4.36E-07	1.46E-12	4.4E-12	3.47E-12	2.52E-16	6.08E-15	3.36E-16	6.67271E-15	4.718E-09	3.485E-06	4.36E-07	1.48902E-12	1.01849E-15	7.43216E-13	1.69E-16
39	570510.6	4177959	0.55, 41779	0.1169	0.10189	0.11567	83.26174	30.87615	84.48278	10.40772	4.70339	10.56035	4.99E-09	3.65E-06	4.56E-07	1.54E-12	4.65E-12	3.67E-12	2.67E-16	6.44E-15	3.56E-16	7.06228E-15	4.993E-09	3.6465E-06	4.56E-07	1.57595E-12	1.07795E-15	7.86607E-13	1.79E-16
40	570550.6	4177959	0.55, 41779	0.12213	0.11	0.12099	82.46075	31.83495	82.01237	10.30759	4.9071	10.25155	5.22E-09	3.54E-06	4.43E-07	1.61E-12	4.87E-12	3.84E-12	2.79E-16	6.74E-15	3.72E-16	7.38714E-15	5.223E-09	3.5399E-06	4.43E-07	1.64844E-12	1.12754E-15	8.22791E-13	1.88E-16
41	570590.6	4177959	0.55, 41779	0.1275	0.1185	0.12492	87.61849	32.53805	91.54904	10.95231	5.6614	11.44363	5.39E-09	3.95E-06	4.94E-07	1.66E-12	5.02E-12	3.97E-12	2.88E-16	6.96E-15	3.84E-16	7.62717E-15	5.393E-09	3.9515E-06	4.94E-07	1.70201E-12	1.16417E-15	8.49525E-13	1.94E-16
42	570630.6	4177959	0.55, 41779	0.13429	0.12721	0.12893	94.25098	33.95012	99.61773	11.78137	6.34882	12.45222	5.57E-09	4.3E-06	5.38E-07	1.72E-12	5.19E-12	4.1E-12	2.97E-16	7.18E-15	3.96E-16	7.87208E-15	5.566E-09	4.2997E-06	5.38E-07	1.75666E-12	1.20155E-15	8.76804E-13	2E-16
43	570670.6	4177959	0.55, 41779	0.1434	0.13582	0.13624	91.47953	35.4429	96.20253	12.89467	6.97952	13.63762	5.88E-09	4.15E-06	5.89E-07	1.81E-12	5.48E-12	4.33E-12	3.14E-16	7.59E-15	4.19E-16	8.31843E-15	5.881E-09	4.1523E-06	5.89E-07	1.85626E-12	1.26968E-15	9.26519E-13	2.11E-16
44	570710.6	4177959	0.55, 41779	0.15342	0.14402	0.1467	103.54122	38.62398	108.53691	12.94265	7.57754	15.98544	6.33E-09	4.68E-06	6.9E-07	1.95E-12	5.9E-12	4.66E-12	3.38E-16	8.17E-15	4.51E-16	8.95706E-15	6.333E-09	4.6847E-06	6.9E-07	1.99877E-12	1.36716E-15	9.9765E-13	2.27E-16
45	570750.6	4177959	0.55, 41779	0.16261	0.1515	0.15549	105.52732	44.38977	114.23814	13.19092	8.09206	15.7724	6.71E-09	4.93E-06	6.81E-07	2.07E-12	6.25E-12	4.94E-12	3.58E-16	8.66E-15	4.78E-16	9.49373E-15	6.712E-09	4.9308E-06	6.81E-07	2.11853E-12	1.44907E-15	1.05743E-12	2.41E-16
46	570790.6	4177959	0.55, 41779	0.16989	0.15823	0.16076	113.60479	47.24143	124.57926	14.2006	8.3928	15.57241	6.94E-09	5.38E-06	6.72E-07	2.14E-12	6.47E-12	5.11E-12	3.71E-16	8.95E-15	4.94E-16	9.81553E-15	6.94E-09	5.3772E-06	6.72E-07	2.19034E-12	1.49819E-15	1.09327E-12	2.49E-16
47	570830.6	4177959	0.55, 41779	0.1738	0.16401	0.16481	115.20896	49.45722	130.36471	14.40112	8.28774	16.29559	7.11E-09	5.63E-06	7.03E-07	2.2E-12	6.63E-12	5.24E-12	3.8E-16	9.18E-15	5.07E-16	1.00628E-14	7.115E-09	5.6269E-06	7.03E-07	2.24552E-12	1.53594E-15	1.12081E-12	2.56E-16
48	570870.6	4177959	0.55, 41779	0.17339	0.16851	0.16469	122.33209	52.01335	138.82114	15.29151	7.46689	17.35264	7.11E-09	5.99E-06	7.49E-07	2.19E-12	6.62E-12	5.23E-12	3.8E-16	9.17E-15	5.06E-16	1.00556E-14	7.11E-09	5.9919E-06	7.49E-07	2.24391E-12	1.53483E-15	1.12E-12	2.55E-16
49	570910.6	4177959	0.55, 41779	0.16973	0.17204	0.1579	128.70888	55.67631	149.19916	16.08861	6.95954	18.64989	6.82E-09	6.44E-06	8.05E-07	2.1E-12	6.35E-12	5.02E-12	3.64E-16	8.79E-15	4.85E-16	9.64116E-15	6.817E-09	6.4398E-06	8.05E-07	2.15143E-12	1.47158E-15	1.07385E-12	2.45E-16
50	570950.6	4177959	0.55, 41779	0.16375	0.1746	0.15354	137.78687	58.35606	146.62449	21.41966	8.40086	22.62642	6.63E-09	6.33E-06	9.77E-07	2.05E-12	6.18E-12	4.88E-12	3.54E-16	8.55E-15	4.72E-16	9.37505E-15	6.628E-09	6.3287E-06	9.77E-07	2.09205E-12	1.43096E-15	1.04421E-12	2.38E-16
51	570990.6	4177959	0.55, 41779	0.1571	0.17611	0.15296	148.41379	62.43724	189.01685	21.20197	10.20575	28.13097	6.6E-09	8.16E-06	1.21E-06	2.04E-12	6.15E-12	4.86E-12	3.53E-16	8.52E-15	4.7E-16	9.33966E-15	6.603E-09	8.1583E-06	1.21E-06	2.08415E-12	1.42556E-15	1.04026E-12	2.37E-16
52	571030.6	4177959	0.55, 41779	0.15135	0.1787	0.14372	141.29712	68.4386	198.29024	19.05284	11.40643	25.9054	6.2E-09	8.56E-06	1.12E-06	1.91E-12	5.78E-12	4.57E-12	3.31E-16	8E-15	4.42E-16	8.77568E-15	6.205E-09	8.5586E-06	1.12E-06	1.95829E-12	1.33947E-15	9.77448E-13	2.23E-16
53	571070.6	4177959	0.55, 41779	0.14838	0.1815	0.13361	143.49488	74.36914	202.29359	18.79197	11.80682	25.2867	5.77E-09	8.73E-06	1.09E-06	1.78E-12	5.37E-12	4.25E-12	3.08E-16	7.44E-15	4.11E-16	8.15859E-15	5.768E-09	8.7314E-06	1.09E-06	1.82059E-12	1.24529E-15	9.08716E-13	2.07E-16
54	571110.6	4177959	0.55, 41779	0.14858	0.18375	0.13332	140.62761	73.34522	192.64407	22.74237	10.22286	24.08051	5.76E-09	8.31E-06	1.04E-06	1.78E-12	5.36E-12	4.24E-12	3.07E-16	7.42E-15	4.1E-16	8.14093E-15	5.756E-09	8.315E-06	1.04E-06	1.81665E-12	1.24259E-15	9.06748E-13	2.07E-16
55	571150.6	4177959	0.55, 41779	0.14994	0.18566	0.14292	146.3467	67.83983	199.40983	22.92053	11.48399	30.37919	6.17E-09	8.61E-06	1.31E-06	1.9E-12	5.75E-12	4.54E-12	3.29E-16	7.96E-15	4.39E-16	8.72695E-15	6.17E-09	8.6069E-06	1.31E-06	1.94742E-12	1.33204E-15	9.7202E-13	2.22E-16
56	571190.6	4177959	0.55, 41779	0.1525	0.18616	0.14359	161.89014	78.97315	204.49698	23.12716	11.84075	29.21385	6.2E-09	8.83E-06	1.26E-06	1.91E-12	5.78E-12	4.56E-12	3.31E-16	8E-15	4.41E-16	8.76785E-15	6.199E-09	8.8266E-06	1.26E-06	1.95655E-12	1.33828E-15	9.76576E-13	2.23E-16
57	571230.6	4177959	0.55, 41779	0.15542	0.18516	0.1383	156.07845	81.92899	197.17574	22.29692	11.22006	24.64697	5.97E-09	8.51E-06	1.06E-06	1.84E-12	5.56E-12	4.39E-12	3.19E-16	7.7E-15	4.25E-16	8.44494E-15	5.971E-09	8.5107E-06	1.06E-06	1.88449E-12	1.28899E-15	9.4061E-13	2.14E-16
58	571270.6	4177959	0.55, 41779	0.15909	0.18379	0.14205	158.42767	82.70179	205.30007	19.80346	11.54254	29.32858	6.13E-09	8.86E-06	1.27E-06	1.89E-12	5.71E-12	4.51E-12	3.27E-16	7.91E-15	4.37E-16	8.67383E-15	6.133E-09	8.8613E-06	1.27E-06	1.93557E-12	1.32393E-15	9.66104E-13	2.2E-16
59	571310.6	4177959	0.55, 41779	0.1655	0.18382	0.1484	150.26158	75.50789	204.0765	18.7827	10.48328	25.50956	6.41E-09	8.81E-06	1.1E-06	1.98E-12	5.97E-12	4.72E-12	3.42E-16	8.26E-15	4.56E-16	9.06145E-15	6.407E-09	8.8084E-06	1.1E-06	2.02206E-12	1.38309E-15	1.00928E-12	2.3E-16
60	571350.6	4177959	0.55, 41779	0.17654	0.1881	0.15257	154.82597	60.83045	189.56737	19.35325	9.71095	23.69592	6.59E-09	8.18E-06	1.02E-06	2.03E-12	6.14E-12	4.85E-12	3.52E-16	8.5E-15	4.69E-16	9.31607E-15	6.587E-09	8.1821E-06	1.02E-06	2.07888E-12	1.42196E-15	1.03764E-12	2.37E-16
61	571390.6	4177959	0.55, 41779	0.18842	0.1934	0.15428	152.92189	54.55359	214.59873	19.11524	9.16318	26.82484	6.66E-09	9.26E-06	1.16E-06	2.06E-12	6.21E-12	4.9E-12	3.56E-16	8.59E-15	4.74E-16	9.42055E-15	6.661E-09	9.2623E-06	1.16E-06	2.1022E-12	1.4379E-15	1.04927E-12	2.39E-16
62	571430.6	4177959	0.55, 41779	0.20645	0.20414	0.16292	148.33328	50.38722	217.66749	18.54166	8.09078	27.20844	7.03E-09	9.39E-06	1.17E-06	2.17E-12	6.55E-12	5.18E-12	3.76E-16	9.07E-15	5.01E-16	9.94813E-15	7.034E-09	9.3947E-06	1.17E-06	2.21993E-12	1.51843E-15	1.10804E-12	2.53E-16
63	571470.6	4177959	0.55, 41779	0.22554	0.21577	0.17809	134.13897	46.24246	185.84967	16.76737	6.92684	23.23121	7.69E-09	8.02E-06	1E-06	2.37E-12	7.16E-12	5.66E-12	4.11E-16	9.92E-15	5.47E-16	1.08743E-14	7.688E-09	8.0214E-06	1E-06	2.42661E-12	1.6598E-15	1.2112E-12	2.76E-16
64	571510.6	4177959	0.55, 41779	0.24332	0.22654	0.20114	122.33786	38.55117	174.21255	15.29223	6.75463	21.77657	8.68E-09	7.52E-06	9.4E-07	2.68E-12	8.09E-12	6.39E-12	4.64E-16	1.12E-14	6.18E-16	1.22815E-14	8.683E-09	7.5191E-06	9.4E-07	2.74062E-12	1.87458E-15	1.36793E-12	3.12E-16
65	571550.6	4177959	0.55, 41779	0.25539	0.23344	0.22684	100.38932	31.1899	131.18831	12.54867	6.13877	16.39854	9.79E-09	5.66E-06	7.08E-07	3.02E-12	9.12E-12	7.21E-12	5.23E-16	1.26E-14	6.97E-16	1.38504E-14	9.793E-09	5.6622E-06	7.08E-07	3.09071E-12	2.11405E-15	1.54267E-12	3.52E-16
66	571590.6	4177959	0.55, 41779	0.26174	0.2364	0.25018	103.20811	24.1035	113.64553	12.90101	5.55119	14.20569	1.08E-08	4.91E-06	6.13E-07	3.33E-12	1.01E-11	7.95E-12	5.77E-16	1.39E-14	7.69E-16	1.52751E-14	1.08E-08	4.905E-06	6.13E-07	3.40864E-12	2.33151E-15	1.70136E-12	3.88E-16
67	570310.6	4177999	0.55, 41779	0.08992	0.06909	0.08739	61.55411	26.71644	63.33313	7.69426	4.42886	7.91664	3.77E-09	2.73E-06	3.42E-07	1.16E-12	3.51E-12	2.78E-12	2.01E-16	4.87E-15	2.69E-16	5.33551E-15	3.772E-09	2.7337E-06	3.42E-07	1.19062E-12	8.14385E-16	5.94277E-13	1.35E-16
68	570350.6	4177999	0.55, 41779	0.09687	0.07551	0.09431	63.16088	27.72336	68.96816	7.89511	4.52605	8.62102	4.07E-09	2.98E-06	3.72E-07	1.26E-12	3.79E-12	3E-12	2.17E-16	5.25E-15	2.9E-16	5.75802E-15	4.071E-09	2.9769E-06	3.72E-07	1.2849E-12	8.78875E-16	6.41337E-13	1.46E-16
69	570390.6	4177999	0.55, 41779	0.10411	0.08268	0.10154	65.18315	28.66629	70.59128	8.14789	4.5901	8.82391	4.38E-09	3.05E-06	3.81E-07	1.35E-12	4.08E-12	3.23E-12	2.34E-16	5.65E-15	3.12E-16	6.19947E-15	4.383E-09	3.0469E-06	3.81E-07	1.38341E-12	9.46254E-16	6.90505E-13	1.57E-16
70	570430.6	4177999	0.55, 41779	0.11178	0.0909	0.10932	69.77828	29.77159	73.90272	8.72229	4.64595	9.23784	4.72E-09	3.19E-06	3.99E-07	1.46E-12	4.4E-12	3.47E-12	2.52E-16	6.09E-15	3.36E-16	6.6745E-15	4.719E-09	3.1899E-06	3.99E-07	1.48942E-12	1.01876E-15	7.43415E-13	1.69E-16
71	570470.6	4177999	0.55, 41779	0.11947	0.09994	0.11702	73.23749	30.82615	79.61188	9.15469	4.70414	9.95148	5.05E-09	3.44E-06	4.3E-07	1.56E-12	4.71E-12	3.72E-12	2.7E-16	6.52E-15	3.6E-16	7.14466E-15	5.051E-09	3.4363E-06	4.3E-07	1.59433E-12	1.09052E-15	7.95782E-13	1.81E-16
72	570510.6	4177999	0.55, 41779	0.12689	0.1096	0.1248	83.36058	31.87471	86.19643	10.42007	5.00665	10.77455	5.39E-09	3.72E-06	4.65E-07	1.66E-12	5.02E-12	3.96E-12	2.88E-16	6.95E-15	3.84E-16	7.61971E-15	5.387E-09	3.7205E-06	4.65E-07	1.70034E-12	1.16303E-15	8.48694E-13	1.94E-16
73	570550.6	4177999	0.55, 41779	0.1338	0.11968	0.13227	93.92369	33.13511	96.59692	11.74046	5.30601	12.07462	5.71E-09	4.17E-06	5.21E-07	1.76E-12	5.32E-12	4.2E-12	3.05E-16	7.36E-15	4.07E-16	8.07584E-15	5.71E-09	4.1693E-06	5.21E-07	1.80213E-12	1.23266E-15	8.99499E-13	2.05E-16
74	570590.6	4177999	0.55, 41779	0.14077	0.13095	0.13895	98.98148	34.43475	100.81152	12.37268	5.77536	12.60144	6E-09	4.35E-06	5.44E-07	1.85E-12	5.59E-12	4.41E-12	3.2E-16	7.74E-15	4.27E-16	8.48378E-15	5.998E-09	4.3512E-06	5.44E-07	1.89316E-12	1.29492E-15	9.44935E-13	2.15E-16
75	570630.6	4177999	0.55, 41779	0.14863	0.14246	0.14416	96.29887	35.58815	97.29546	12.03736	6.62596	12.16193	6.22E-09	4.2E-06	5.25E-07	1.92E-12	5.8E-12	4.58E-12	3.32E-16	8.03E-15	4.43E-16	8.80198E-15	6.223E-09	4.1995E-06	5.25E-07	1.96417E-12	1.34349E-15	9.80378E-13	2.24E-16
76	570670.6	4177999	0.55, 41779	0.15906	0.15417	0.15133	108.0953	37.02771	115.61321	13.51191	7.37805	14.45165	6.53E-09	4.99E-06	6.24E-07	2.02E-12	6.09E-12	4.81E-12	3.49E-16	8.43E-15	4.65E-16	9.23984E-15	6.533E-09	4.9901E-06	6.24E-07	2.06187E-12	1.41032E-15	1.02915E-12	2.35E-16
77	570710.6	4177999	0.55, 41779	0.17207	0.16581	0.16328	109.21603	39.28347	116.55796	14.39109	8.06843	17.60456	7.05E-09	5.03E-06	7.6E-07	2.18E-12	6.57E-12	5.19E-12	3.76E-16	9.09E-15	5.02E-16	9.96947E-15	7.049E-09	5.0309E-06	7.6E-07	2.22469E-12	1.52169E-15	1.11041E-12	2.53E-16
78	570750.6	4177999	0.55, 41779	0.18601	0.17706	0.17647	119.66853	46.10023	126.10142	14.95857	8.7788	16.77146	7.62E-09	5.44E-06	7.24E-07	2.35E-12	7.1E-12	5.61E-12	4.07E-16	9.83E-15	5.42E-16	1.07748E-14	7.618E-09	5.4428E-06	7.24E-07	2.4044E-12	1.64461E-15	1.20011E-12	2.74E-16
79	570790.6	4177999	0.55, 41779	0.19953	0.18772	0.18696	122.67556	49.8289	134.57394	15.33445	9.45426	16.82174	8.07E-09	5.81E-06	7.26E-07	2.49E-12	7.52E-12	5.94E-12	4.31E-16	1.04E-14	5.75E-16	1.14153E-14	8.071E-09	5.8085E-06	7.26E-07	2.54732E-12	1.74237E-15	1.27145E-12	2.9E-16
80	570830.6	4177999	0.55, 41779	0.21109	0.19773	0.1968	133.54261	52.4094	148.58094	16.69283	9.90962	18.57262	8.5E-09	6.41E-06	8.02E-07	2.62E-12	7.92E-12	6.25E-12	4.54E-16	1.1E-14	6.05E-16	1.20161E-14	8.496E-09	6.4131E-06	8.02E-07	2.68139E-12	1.83407E-15	1.33837E-12	3.05E-16
81	570870.6	4177999	0.55, 41779	0.21804	0.20674	0.20398	131.45449	55.15858	156.57352	16.43181	9.77159	19.57169	8.81E-09	6.76E-06	8.45E-07	2.72E-12	8.2E-12	6.48E-12	4.7E-16	1.14E-14	6.27E-16	1.24545E-14	8.806E-09	6.7581E-06	8.45E-07	2.77923E-12	1.90099E-15	1.3872E-12	3.16E-16
82	570910.6	4177999	0.55, 41779	0.21803	0.21414	0.20286	148.11273	59.13207	173.84644	18.51409	8.43226	21.73081	8.76E-09	7.5E-06	9.38E-07	2.7E-12	8.16E-12	6.45E-12	4.68E-16	1.13E-14	6.23E-16	1.23863E-14	8.757E-09	7.5036E-06	9.38E-07	2.764E-12	1.89057E-15	1.3796E-12	3.15E-16
83	570950.6	4177999	0.55, 41779	0.2114	0.21889	0.19586	140.12444	63.58464	170.21851	21.83562	9.32684	21.27731	8.46E-09	7.35E-06	9.19E-07	2.61E-12	7.88E-12	6.22E-12	4.51E-16	1.09E-14	6.02E-16	1.1959E-14	8.455E-09	7.347E-06	9.19E-07	2.66866E-12	1.82536E-15	1.33201E-12	3.04E-16
84	570990.6	4177999	0.55, 41779	0.2013	0.22185	0.19061	171.25011	67.61488	221.4052	25.43318	11.18299	33.45295	8.23E-09	9.56E-06	1.44E-06	2.54E-12	7.67E-12	6.06E-12	4.39E-16	1.06E-14	5.86E-16	1.16386E-14	8.229E-09	9.5562E-06	1.44E-06	2.59716E-12	1.77645E-15	1.29632E-12	2.96E-16
85	571030.6	4177999	0.55, 41779	0.19301	0.22456	0.1804	161.4506	75.02365	233.40135	21.94671	12.50394	33.34305	7.79E-09	1.01E-05	1.44E-06	2.4E-12	7.26E-12	5.73E-12	4.16E-16	1E-14	5.54E-16	1.10154E-14	7.788E-09	1.0074E-05	1.44E-06	2.45809E-12	1.68133E-15	1.22691E-12	2.8E-16
86	571070.6	4177999	0.55, 41779	0.18927	0.22808	0.16676	165.36156	82.48884	231.46597	21.97245	12.92525	28.93325	7.2E-09	9.99E-06	1.25E-06	2.22E-12	6.71E-12	5.3E-12	3.84E-16	9.29E-15	5.13E-16	1.01829E-14	7.2E-09	9.9905E-06	1.25E-06	2.27231E-12	1.55426E-15	1.13418E-12	2.59E-16
87	571110.6	4177999	0.55, 41779	0.18141	0.21619	0.16049	158.60632	80.72549	237.56536	25.62624	11.81551	29.69982	6.93E-09	1.03E-05	1.28E-06	2.14E-12	6.46E-12	5.1E-12	3.7E-16	8.94E-15	4.93E-16	9.79994E-15	6.929E-09	1.0254E-05	1.28E-06	2.18686E-12	1.49581E-15	1.09153E-12	2.49E-16
88	571150.6	4177999	0.55, 41779	0.19202	0.23351	0.18032	164.05988	80.42402	231.86209	24.96785	14.13496	37.65816	7.78E-09	1E-05	1.63E-06	2.4E-12	7.25E-12	5.73E-12	4.16E-16	1E-14	5.54E-16	1.10106E-14	7.785E-09	1.0008E-05	1.63E-06	2.45703E-12	1.68061E-15	1.22638E-12	2.8E-16
89	571190.6	4177999	0.55, 41779	0.1978	0.23414	0.17819	182.21875	91.74664	241.78028	26.03125	13.21695	31.92825	7.69E-09	1.04E-05	1.38E-06	2.37E-12	7.17E-12	5.66E-12	4.11E-16	9.92E-15	5.48E-16	1.08807E-14	7.693E-09	1.0436E-05	1.38E-06	2.42802E-12	1.66077E-15	1.2119E-12	2.76E-16
90	571230.6	4177999	0.55, 41779	0.20367	0.23289	0.17473	172.67663	91.69738	231.55794	22.62496	13.85272	33.07971	7.54E-09	9.99E-06	1.43E-06	2.33E-12	7.03E-12	5.55E-12	4.03E-16	9.73E-15	5.37E-16	1.06694E-14	7.544E-09	9.9946E-06	1.43E-06	2.38089E-12	1.62853E-15	1.18838E-12	2.71E-16
91	571270.6	4177999	0.55, 41779	0.21358	0.23476	0.18394	171.66845	86.35935	210.57834	21.45856	13.01074	28.58393	7.94E-09	9.09E-06	1.23E-06	2.45E-12	7.4E-12	5.84E-12	4.24E-16	1.02E-14	5.65E-16	1.12317E-14	7.941E-09	9.0891E-06	1.23E-06	2.50635E-12	1.71434E-15	1.251E-12	2.85E-16
92	571310.6	4177999	0.55, 41779	0.23025	0.24083	0.19159	171.26207	72.34733	231.62674	21.40776	11.81711	28.95334	8.27E-09	1E-05	1.25E-06	2.55E-12	7.71E-12	6.09E-12	4.42E-16	1.07E-14	5.89E-16	1.16987E-14	8.271E-09	9.9974E-06	1.25E-06	2.61058E-12	1.78564E-15	1.30302E-12	2.97E-16
93	571350.6	4177999	0.55, 41779	0.25373	0.25254	0.198	169.27826	60.68614	249.61103	21.15978	11.13084	31.20138	8.55E-09	1.08E-05	1.35E-06	2.64E-12	7.96E-12	6.29E-12	4.56E-16	1.1E-14	6.09E-16	1.20902E-14	8.548E-09	1.0773E-05	1.35E-06	2.69794E-12	1.84539E-15	1.34663E-12	3.07E-16
94	571390.6	4177999	0.55, 41779	0.27999	0.26698	0.21185	164.13881	55.69534	253.30621	20.51735	9.69774	31.66328	9.15E-09	1.09E-05	1.37E-06	2.82E-12	8.52E-12	6.73E-12	4.88E-16	1.18E-14	6.51E-16	1.29359E-14	9.146E-09	1.0933E-05	1.37E-06	2.88665E-12	1.97447E-15	1.44082E-12	3.29E-16
95	571430.6	4177999	0.55, 41779	0.30187	0.27888	0.2328	148.06777	50.74185	217.39094	18.50847	8.30154	27.17387	1.01E-08	9.38E-06	1.17E-06	3.1E-12	9.36E-12	7.4E-12	5.37E-16	1.3E-14	7.16E-16	1.42149E-14	1.005E-08	9.3827E-06	1.17E-06	3.17206E-12	2.16969E-15	1.58328E-12	3.61E-16
96	571470.6	4177999	0.55, 41779	0.32222	0.29016	0.268	133.22849	41.8567	195.88733	16.65356	8.00082	24.48592	1.16E-08	8.45E-06	1.06E-06	3.57E-12	1.08E-11	8.52E-12	6.18E-16	1.49E-14	8.24E-16	1.63637E-14	1.157E-08	8.4546E-06	1.06E-06	3.65158E-12	2.49768E-15	1.82262E-12	4.16E-16
97	571510.6	4177999	0.55, 41779	0.33311	0.29527	0.30394	113.25391	33.39085	138.27651	14.15674	7.16119	17.28456	1.31E-08	5.97E-06	7.46E-07	4.05E-12	1.22E-11	9.66E-12	7.01E-16	1.69E-14	9.34E-16	1.85576E-14	1.312E-08	5.9681E-06	7.46E-07	4.14114E-12	2.83254E-15	2.06698E-12	4.71E-16
98	571550.6	4177999	0.55, 41779	0.33431	0.29408	0.33024	118.79132	25.19774	142.42424	14.84891	6.75336	17.80303	1.43E-08	6.15E-06	7.69E-07	4.4E-12	1.33E-11	1.05E-11	7.61E-16	1.84E-14	1.01E-15	2.0163E-14	1.426E-08	6.1471E-06	7.69E-07	4.49938E-12	3.07757E-15	2.24578E-12	5.12E-16
99	571590.6	4177999	0.55, 41779	0.32897	0.28857	0.34209	117.12124	19.87515	150.29933	14.64016	6.7762	18.78742	1.48E-08	6.49E-06	8.11E-07	4.56E-12	1.38E-11	1.09E-11	7.89E-16	1.9E-14	1.05E-15	2.08862E-14	1.477E-08	6.4869E-06	8.11E-07	4.66077E-12	3.18796E-15	2.32634E-12	5.3E-16
100	570310.6	4178039	0.55, 41780	0.09395	0.07118	0.09114	60.38117	27.45867	68.75884	7.54765	4.57644	8.59485	3.93E-09	2.97E-06	3.71E-07	1.21E-12	3.67E-12	2.9E-12	2.1E-16	5.07E-15	2.8E-16	5.56445E-15	3.934E-09	2.9678E-06	3.71E-07	1.24171E-12	8.4933E-16	6.19777E-13	1.41E-16
101	570350.6	4178039	0.55, 41780	0.10181	0.07823	0.09867	67.40685	28.30867	69.9761	8.42586	4.71811	8.74701	4.26E-09	3.02E-06	3.78E-07	1.31E-12	3.97E-12	3.13E-12	2.27E-16	5.49E-15	3.03E-16	6.02421E-15	4.259E-09	3.0204E-06	3.78E-07	1.3443E-12	9.19504E-16	6.70985E-13	1.53E-16
102	570390.6	4178039	0.55, 41780	0.11033	0.08626	0.10708	70.86935	29.39362	77.00767	8.85867	4.86131	9.62596	4.62E-09	3.32E-06	4.16E-07	1.43E-12	4.31E-12	3.4E-12	2.47E-16	5.96E-15	3.29E-16	6.53769E-15	4.622E-09	3.3238E-06	4.16E-07	1.45889E-12	9.9788E-16	7.28178E-13	1.66E-16
103	570430.6	4178039	0.55, 41780	0.11935	0.09539	0.11615	72.77771	30.53752	78.92837	9.09721	4.99157	9.86605	5.01E-09	3.41E-06	4.26E-07	1.55E-12	4.67E-12	3.69E-12	2.68E-16	6.47E-15	3.57E-16	7.09148E-15	5.014E-09	3.4068E-06	4.26E-07	1.58247E-12	1.08241E-15	7.8986E-13	1.8E-16
104	570470.6	4178039	0.55, 41780	0.12876	0.10583	0.1256	77.88414	31.78332	83.40463	9.73552	5.12346	10.42558	5.42E-09	3.6E-06	4.5E-07	1.67E-12	5.05E-12	3.99E-12	2.9E-16	6.99E-15	3.86E-16	7.66849E-15	5.422E-09	3.6E-06	4.5E-07	1.71123E-12	1.17048E-15	8.54127E-13	1.95E-16
105	570510.6	4178039	0.55, 41780	0.13797	0.11733	0.13491	81.61557	33.05226	90.60057	10.20195	5.27698	11.32507	5.82E-09	3.91E-06	4.89E-07	1.8E-12	5.43E-12	4.29E-12	3.11E-16	7.51E-15	4.15E-16	8.23696E-15	5.824E-09	3.9105E-06	4.89E-07	1.83808E-12	1.25725E-15	9.17445E-13	2.09E-16
106	570550.6	4178039	0.55, 41780	0.14677	0.12979	0.14418	83.22783	34.40977	92.92473	10.40348	5.64664	11.61559	6.22E-09	4.01E-06	5.01E-07	1.92E-12	5.8E-12	4.58E-12	3.32E-16	8.03E-15	4.43E-16	8.80301E-15	6.224E-09	4.0109E-06	5.01E-07	1.96439E-12	1.34365E-15	9.80492E-13	2.24E-16
107	570590.6	4178039	0.55, 41780	0.15543	0.14397	0.15331	100.7883	35.81672	104.85134	12.59854	6.05306	13.10642	6.62E-09	4.53E-06	5.66E-07	2.04E-12	6.17E-12	4.87E-12	3.53E-16	8.54E-15	4.71E-16	9.36054E-15	6.618E-09	4.5256E-06	5.66E-07	2.08881E-12	1.42874E-15	1.04259E-12	2.38E-16
108	570630.6	4178039	0.55, 41780	0.16446	0.15887	0.16086	114.63184	37.47906	118.86748	14.32898	6.85921	14.85844	6.94E-09	5.13E-06	6.41E-07	2.14E-12	6.47E-12	5.11E-12	3.71E-16	8.96E-15	4.94E-16	9.82163E-15	6.944E-09	5.1305E-06	6.41E-07	2.1917E-12	1.49912E-15	1.09395E-12	2.49E-16
109	570670.6	4178039	0.55, 41780	0.17604	0.17458	0.16859	120.19022	39.09251	122.97013	15.02378	7.81169	15.37127	7.28E-09	5.31E-06	6.64E-07	2.25E-12	6.78E-12	5.36E-12	3.89E-16	9.39E-15	5.18E-16	1.02937E-14	7.278E-09	5.3076E-06	6.64E-07	2.29705E-12	1.57118E-15	1.14653E-12	2.61E-16
110	570710.6	4178039	0.55, 41780	0.19156	0.191	0.18153	122.05191	40.81454	130.55962	15.86896	8.63568	17.88475	7.84E-09	5.64E-06	7.72E-07	2.42E-12	7.3E-12	5.77E-12	4.18E-16	1.01E-14	5.58E-16	1.10839E-14	7.837E-09	5.6352E-06	7.72E-07	2.47337E-12	1.69178E-15	1.23454E-12	2.81E-16
111	570750.6	4178039	0.55, 41780	0.2105	0.20761	0.19902	132.53323	47.68084	144.79481	16.56665	9.43658	19.64627	8.59E-09	6.25E-06	8.48E-07	2.65E-12	8.01E-12	6.32E-12	4.59E-16	1.11E-14	6.12E-16	1.21517E-14	8.592E-09	6.2496E-06	8.48E-07	2.71167E-12	1.85478E-15	1.35348E-12	3.09E-16
112	570790.6	4178039	0.55, 41780	0.23169	0.22417	0.21523	139.552	52.7884	147.64201	17.444	10.33029	19.40572	9.29E-09	6.37E-06	8.38E-07	2.87E-12	8.66E-12	6.84E-12	4.96E-16	1.2E-14	6.62E-16	1.31415E-14	9.291E-09	6.3726E-06	8.38E-07	2.93253E-12	2.00585E-15	1.46372E-12	3.34E-16
113	570830.6	4178039	0.55, 41780	0.25382	0.24067	0.23208	145.24751	55.81087	161.73262	18.15594	11.28689	20.21658	1E-08	6.98E-06	8.73E-07	3.09E-12	9.33E-12	7.37E-12	5.35E-16	1.29E-14	7.13E-16	1.41703E-14	1.002E-08	6.9807E-06	8.73E-07	3.16211E-12	2.16288E-15	1.57831E-12	3.6E-16
114	570870.6	4178039	0.55, 41780	0.27385	0.25672	0.25028	159.27674	59.06353	181.66903	19.90959	12.04587	22.70863	1.08E-08	7.84E-06	9.8E-07	3.33E-12	1.01E-11	7.95E-12	5.77E-16	1.39E-14	7.69E-16	1.52815E-14	1.08E-08	7.8412E-06	9.8E-07	3.41008E-12	2.33249E-15	1.70208E-12	3.88E-16
115	570910.6	4178039	0.55, 41780	0.28498	0.272	0.26185	154.31681	63.03506	190.144	19.2896	11.80173	23.768	1.13E-08	8.21E-06	1.03E-06	3.49E-12	1.05E-11	8.32E-12	6.04E-16	1.46E-14	8.05E-16	1.5988E-14	1.13E-08	8.207E-06	1.03E-06	3.56773E-12	2.44033E-15	1.78077E-12	4.06E-16
116	570950.6	4178039	0.55, 41780	0.28313	0.28254	0.2606	178.15221	69.82475	214.80591	22.26903	10.41815	26.85074	1.13E-08	9.27E-06	1.16E-06	3.47E-12	1.05E-11	8.28E-12	6.01E-16	1.45E-14	8.01E-16	1.59119E-14	1.125E-08	9.2714E-06	1.16E-06	3.55074E-12	2.4287E-15	1.77229E-12	4.04E-16
117	570990.6	4178039	0.55, 41780	0.27042	0.28832	0.24711	188.87787	74.10995	223.28286	29.14051	12.35166	34.29706	1.07E-08	9.64E-06	1.48E-06	3.29E-12	9.94E-12	7.85E-12	5.7E-16	1.38E-14	7.6E-16	1.50885E-14	1.067E-08	9.6373E-06	1.48E-06	3.367E-12	2.30303E-15	1.68058E-12	3.83E-16
118	571030.6	4178039	0.55, 41780	0.25749	0.29249	0.23391	188.96663	83.29257	277.8919	26.99523	13.88209	39.69884	1.01E-08	1.2E-05	1.71E-06	3.12E-12	9.41E-12	7.43E-12	5.39E-16	1.3E-14	7.19E-16	1.42828E-14	1.01E-08	1.1994E-05	1.71E-06	3.18721E-12	2.18005E-15	1.59084E-12	3.63E-16
119	571070.6	4178039	0.55, 41780	0.25163	0.29646	0.21613	192.59035	92.57991	271.23553	26.01862	14.40126	34.27332	9.33E-09	1.17E-05	1.48E-06	2.88E-12	8.69E-12	6.87E-12	4.98E-16	1.2E-14	6.64E-16	1.31976E-14	9.331E-09	1.1707E-05	1.48E-06	2.94504E-12	2.01441E-15	1.46996E-12	3.35E-16
120	571110.6	4178039	0.55, 41780	0.23996	0.28057	0.20816	179.79911	89.13384	295.00102	29.33997	15.522	36.88643	8.99E-09	1.27E-05	1.59E-06	2.77E-12	8.37E-12	6.61E-12	4.8E-16	1.16E-14	6.4E-16	1.27108E-14	8.987E-09	1.2733E-05	1.59E-06	2.83642E-12	1.94011E-15	1.41575E-12	3.23E-16
121	571150.6	4178039	0.55, 41780	0.25767	0.30302	0.23363	202.30498	100.11261	284.90591	28.90071	16.95197	47.48432	1.01E-08	1.23E-05	2.05E-06	3.11E-12	9.4E-12	7.42E-12	5.39E-16	1.3E-14	7.18E-16	1.42659E-14	1.009E-08	1.2297E-05	2.05E-06	3.18343E-12	2.17747E-15	1.58895E-12	3.62E-16
122	571190.6	4178039	0.55, 41780	0.27122	0.30641	0.22867	194.68377	101.89225	297.80862	27.81197	16.7188	37.22608	9.87E-09	1.29E-05	1.61E-06	3.05E-12	9.2E-12	7.27E-12	5.27E-16	1.27E-14	7.03E-16	1.39632E-14	9.872E-09	1.2854E-05	1.61E-06	3.11589E-12	2.13127E-15	1.55524E-12	3.55E-16
123	571230.6	4178039	0.55, 41780	0.28804	0.31092	0.2326	196.84209	99.06119	294.63263	24.60526	16.26482	42.09038	1E-08	1.27E-05	1.82E-06	3.1E-12	9.36E-12	7.39E-12	5.36E-16	1.3E-14	7.15E-16	1.42032E-14	1.004E-08	1.2717E-05	1.82E-06	3.16944E-12	2.1679E-15	1.58197E-12	3.61E-16
124	571270.6	4178039	0.55, 41780	0.31661	0.32283	0.24843	191.8709	85.51951	280.99547	23.98386	14.63938	35.12443	1.07E-08	1.21E-05	1.52E-06	3.31E-12	9.99E-12	7.89E-12	5.73E-16	1.38E-14	7.64E-16	1.51697E-14	1.073E-08	1.2128E-05	1.52E-06	3.38512E-12	2.31542E-15	1.68962E-12	3.85E-16
125	571310.6	4178039	0.55, 41780	0.35598	0.34149	0.26147	189.38373	68.10225	290.04443	23.67297	13.72977	36.25555	1.13E-08	1.25E-05	1.56E-06	3.48E-12	1.05E-11	8.31E-12	6.03E-16	1.46E-14	8.04E-16	1.5966E-14	1.129E-08	1.2519E-05	1.56E-06	3.56281E-12	2.43696E-15	1.77831E-12	4.05E-16
126	571350.6	4178039	0.55, 41780	0.39399	0.35989	0.2835	182.95784	62.01914	299.45287	22.86973	11.81322	37.43161	1.22E-08	1.29E-05	1.62E-06	3.78E-12	1.14E-11	9.01E-12	6.54E-16	1.58E-14	8.71E-16	1.7311E-14	1.224E-08	1.2924E-05	1.62E-06	3.86297E-12	2.64227E-15	1.92813E-12	4.4E-16
127	571390.6	4178039	0.55, 41780	0.4222	0.3733	0.32107	164.47464	56.17724	258.72398	20.55933	10.43431	32.3405	1.39E-08	1.12E-05	1.4E-06	4.28E-12	1.29E-11	1.02E-11	7.4E-16	1.79E-14	9.87E-16	1.96046E-14	1.386E-08	1.1167E-05	1.4E-06	4.37477E-12	2.99234E-15	2.18359E-12	4.98E-16
128	571430.6	4178039	0.55, 41780	0.44026	0.38105	0.3744	146.31006	45.8458	221.86738	18.28876	9.60517	27.73342	1.62E-08	9.58E-06	1.2E-06	4.99E-12	1.51E-11	1.19E-11	8.63E-16	2.08E-14	1.15E-15	2.286E-14	1.616E-08	9.5759E-06	1.2E-06	5.10122E-12	3.48923E-15	2.54618E-12	5.81E-16
129	571470.6	4178039	0.55, 41780	0.44344	0.3799	0.42037	134.05635	35.96521	154.66668	16.75704	8.42199	19.33334	1.81E-08	6.68E-06	8.35E-07	5.6E-12	1.69E-11	1.34E-11	9.69E-16	2.34E-14	1.29E-15	2.5666E-14	1.815E-08	6.6756E-06	8.35E-07	5.72738E-12	3.91753E-15	2.85872E-12	6.52E-16
130	571510.6	4178039	0.55, 41780	0.43369	0.37075	0.44522	135.2804	26.4112	176.84451	16.91005	8.14543	22.10556	1.92E-08	7.63E-06	9.54E-07	5.93E-12	1.79E-11	1.41E-11	1.03E-15	2.48E-14	1.37E-15	2.71827E-14	1.922E-08	7.6326E-06	9.54E-07	6.06584E-12	4.14903E-15	3.02765E-12	6.9E-16
131	571550.6	4178039	0.55, 41780	0.4157	0.35641	0.44493	128.00174	25.24959	172.96462	16.00022	7.84928	21.62058	1.92E-08	7.47E-06	9.33E-07	5.93E-12	1.79E-11	1.41E-11	1.03E-15	2.48E-14	1.37E-15	2.71648E-14	1.921E-08	7.4651E-06	9.33E-07	6.06183E-12	4.14629E-15	3.02565E-12	6.9E-16
132	571590.6	4178039	0.55, 41780	0.38889	0.33646	0.4222	114.21376	28.264	151.26331	14.27672	7.21894	18.90791	1.82E-08	6.53E-06	8.16E-07	5.62E-12	1.7E-11	1.34E-11	9.73E-16	2.35E-14	1.3E-15	2.5777E-14	1.823E-08	6.5286E-06	8.16E-07	5.75214E-12	3.93447E-15	2.87108E-12	6.55E-16
133	570310.6	4178079	0.55, 41780	0.09792	0.07296	0.09477	71.40728	28.01469	77.09789	8.92591	4.66912	9.63724	4.09E-09	3.33E-06	4.16E-07	1.26E-12	3.81E-12	3.01E-12	2.18E-16	5.28E-15	2.91E-16	5.78606E-15	4.091E-09	3.3277E-06	4.16E-07	1.29116E-12	8.83155E-16	6.4446E-13	1.47E-16
134	570350.6	4178079	0.55, 41780	0.1067	0.08065	0.10312	70.03301	29.10671	80.22931	8.75413	4.85112	10.02866	4.45E-09	3.46E-06	4.33E-07	1.37E-12	4.15E-12	3.28E-12	2.38E-16	5.74E-15	3.17E-16	6.29588E-15	4.451E-09	3.4629E-06	4.33E-07	1.40493E-12	9.60971E-16	7.01245E-13	1.6E-16
135	570390.6	4178079	0.55, 41780	0.11641	0.08948	0.11242	73.93226	30.15719	77.81828	9.24153	5.0262	9.72728	4.85E-09	3.36E-06	4.2E-07	1.5E-12	4.52E-12	3.57E-12	2.59E-16	6.26E-15	3.46E-16	6.86371E-15	4.853E-09	3.3588E-06	4.2E-07	1.53164E-12	1.04764E-15	7.6449E-13	1.74E-16
136	570430.6	4178079	0.55, 41780	0.12715	0.09969	0.12302	79.99098	31.34254	86.52141	9.99887	5.20891	10.81518	5.31E-09	3.73E-06	4.67E-07	1.64E-12	4.95E-12	3.91E-12	2.84E-16	6.85E-15	3.78E-16	7.51091E-15	5.31E-09	3.7345E-06	4.67E-07	1.67606E-12	1.14643E-15	8.36576E-13	1.91E-16
137	570470.6	4178079	0.55, 41780	0.13857	0.11144	0.13449	81.53824	32.65768	88.86509	10.19228	5.39019	11.10814	5.81E-09	3.84E-06	4.8E-07	1.79E-12	5.41E-12	4.27E-12	3.1E-16	7.49E-15	4.13E-16	8.21124E-15	5.806E-09	3.8356E-06	4.8E-07	1.83234E-12	1.25332E-15	9.1458E-13	2.09E-16
138	570510.6	4178079	0.55, 41780	0.15049	0.12507	0.14657	87.75299	34.11951	95.20757	10.96912	5.60116	11.90095	6.33E-09	4.11E-06	5.14E-07	1.95E-12	5.9E-12	4.66E-12	3.38E-16	8.16E-15	4.5E-16	8.94883E-15	6.327E-09	4.1094E-06	5.14E-07	1.99693E-12	1.3659E-15	9.96734E-13	2.27E-16
139	570550.6	4178079	0.55, 41780	0.16198	0.14034	0.1583	91.64015	35.64897	104.22382	11.45502	5.99366	13.02798	6.83E-09	4.5E-06	5.62E-07	2.11E-12	6.37E-12	5.03E-12	3.65E-16	8.81E-15	4.87E-16	9.66509E-15	6.834E-09	4.4985E-06	5.62E-07	2.15677E-12	1.47523E-15	1.07651E-12	2.45E-16
140	570590.6	4178079	0.55, 41780	0.17272	0.15744	0.16968	88.35639	37.38874	105.88084	11.57204	6.46071	13.23511	7.32E-09	4.57E-06	5.71E-07	2.26E-12	6.82E-12	5.39E-12	3.91E-16	9.45E-15	5.22E-16	1.036E-14	7.325E-09	4.57E-06	5.71E-07	2.31184E-12	1.5813E-15	1.15391E-12	2.63E-16
141	570630.6	4178079	0.55, 41780	0.1831	0.1763	0.17984	101.08083	39.23196	114.54818	12.6351	7.02353	14.31852	7.76E-09	4.94E-06	6.18E-07	2.4E-12	7.23E-12	5.71E-12	4.15E-16	1E-14	5.53E-16	1.09805E-14	7.764E-09	4.9441E-06	6.18E-07	2.4503E-12	1.676E-15	1.22302E-12	2.79E-16
142	570670.6	4178079	0.55, 41780	0.19537	0.19687	0.18849	125.63761	41.20021	131.91916	15.7047	8.22231	16.4899	8.14E-09	5.69E-06	7.12E-07	2.51E-12	7.58E-12	5.99E-12	4.34E-16	1.05E-14	5.79E-16	1.15088E-14	8.137E-09	5.6939E-06	7.12E-07	2.56819E-12	1.75664E-15	1.28187E-12	2.92E-16
143	570710.6	4178079	0.55, 41780	0.21241	0.21933	0.20096	144.38379	43.29239	151.59141	18.04797	9.29195	18.94893	8.68E-09	6.54E-06	8.18E-07	2.68E-12	8.08E-12	6.38E-12	4.63E-16	1.12E-14	6.18E-16	1.22703E-14	8.676E-09	6.5429E-06	8.18E-07	2.73813E-12	1.87288E-15	1.36669E-12	3.12E-16
144	570750.6	4178079	0.55, 41780	0.23537	0.24332	0.2221	149.96792	48.92505	154.1756	18.74599	10.23	23.04389	9.59E-09	6.65E-06	9.95E-07	2.96E-12	8.93E-12	7.06E-12	5.12E-16	1.24E-14	6.83E-16	1.35611E-14	9.588E-09	6.6545E-06	9.95E-07	3.02617E-12	2.0699E-15	1.51046E-12	3.44E-16
145	570790.6	4178079	0.55, 41780	0.26445	0.26867	0.24585	159.48841	56.15329	178.05216	19.93605	11.24377	22.79466	1.06E-08	7.69E-06	9.84E-07	3.28E-12	9.89E-12	7.81E-12	5.67E-16	1.37E-14	7.56E-16	1.50113E-14	1.061E-08	7.6851E-06	9.84E-07	3.34977E-12	2.29124E-15	1.67198E-12	3.81E-16
146	570830.6	4178079	0.55, 41780	0.30001	0.29551	0.27029	164.85959	59.75168	177.78875	20.60745	12.43332	22.22359	1.17E-08	7.67E-06	9.59E-07	3.6E-12	1.09E-11	8.59E-12	6.23E-16	1.5E-14	8.31E-16	1.65036E-14	1.167E-08	7.6737E-06	9.59E-07	3.68278E-12	2.51902E-15	1.83819E-12	4.19E-16
147	570870.6	4178079	0.55, 41780	0.34051	0.32416	0.30185	178.96906	63.85658	203.22306	22.37113	13.91568	25.40288	1.3E-08	8.77E-06	1.1E-06	4.02E-12	1.21E-11	9.59E-12	6.96E-16	1.68E-14	9.28E-16	1.84305E-14	1.303E-08	8.7715E-06	1.1E-06	4.11277E-12	2.81314E-15	2.05282E-12	4.68E-16
148	570910.6	4178079	0.55, 41780	0.37529	0.35313	0.33459	192.82824	68.49057	229.7632	24.10353	15.26079	28.7204	1.44E-08	9.92E-06	1.24E-06	4.46E-12	1.35E-11	1.06E-11	7.71E-16	1.86E-14	1.03E-15	2.04295E-14	1.444E-08	9.9169E-06	1.24E-06	4.55884E-12	3.11825E-15	2.27546E-12	5.19E-16
149	570950.6	4178079	0.55, 41780	0.39192	0.37725	0.35493	199.56835	75.56845	241.42387	26.9715	14.65967	30.17798	1.53E-08	1.04E-05	1.3E-06	4.73E-12	1.43E-11	1.13E-11	8.18E-16	1.98E-14	1.09E-15	2.16714E-14	1.532E-08	1.042E-05	1.3E-06	4.83598E-12	3.30781E-15	2.41379E-12	5.5E-16
150	570990.6	4178079	0.55, 41780	0.38624	0.39167	0.34038	209.52387	83.72546	270.89556	31.32288	13.79848	33.86195	1.47E-08	1.17E-05	1.46E-06	4.53E-12	1.37E-11	1.08E-11	7.85E-16	1.9E-14	1.05E-15	2.07835E-14	1.469E-08	1.1692E-05	1.46E-06	4.63784E-12	3.17228E-15	2.3149E-12	5.28E-16
151	571030.6	4178079	0.55, 41780	0.36706	0.40059	0.31708	238.62537	94.19927	346.28961	34.73297	15.69988	52.33117	1.37E-08	1.49E-05	2.26E-06	4.22E-12	1.28E-11	1.01E-11	7.31E-16	1.77E-14	9.75E-16	1.93613E-14	1.369E-08	1.4946E-05	2.26E-06	4.32049E-12	2.95522E-15	2.1565E-12	4.92E-16
152	571070.6	4178079	0.55, 41780	0.35702	0.41066	0.29659	228.92087	105.90077	368.47625	31.45005	16.61116	46.05953	1.28E-08	1.59E-05	1.99E-06	3.95E-12	1.19E-11	9.42E-12	6.84E-16	1.65E-14	9.12E-16	1.81108E-14	1.28E-08	1.5904E-05	1.99E-06	4.04142E-12	2.76433E-15	2.0172E-12	4.6E-16
153	571110.6	4178079	0.55, 41780	0.35812	0.41418	0.29542	212.64364	104.08221	374.64105	34.6648	20.98986	46.90606	1.28E-08	1.62E-05	2.02E-06	3.94E-12	1.19E-11	9.39E-12	6.81E-16	1.65E-14	9.08E-16	1.80394E-14	1.275E-08	1.617E-05	2.02E-06	4.0255E-12	2.75344E-15	2.00925E-12	4.58E-16
154	571150.6	4178079	0.55, 41780	0.37758	0.42317	0.31748	239.48451	117.47672	371.65504	34.21207	20.38272	60.67868	1.37E-08	1.6E-05	2.62E-06	4.23E-12	1.28E-11	1.01E-11	7.32E-16	1.77E-14	9.76E-16	1.93861E-14	1.371E-08	1.6041E-05	2.62E-06	4.32602E-12	2.959E-15	2.15925E-12	4.92E-16
155	571190.6	4178079	0.55, 41780	0.41277	0.43447	0.31013	228.77572	115.09155	359.73847	28.66724	20.67403	44.96731	1.34E-08	1.55E-05	1.94E-06	4.13E-12	1.25E-11	9.85E-12	7.15E-16	1.73E-14	9.53E-16	1.89377E-14	1.339E-08	1.5527E-05	1.94E-06	4.22596E-12	2.89055E-15	2.10931E-12	4.81E-16
156	571230.6	4178079	0.55, 41780	0.46673	0.45732	0.33128	219.54291	100.98995	305.404	27.44286	18.56894	43.62914	1.43E-08	1.32E-05	1.88E-06	4.41E-12	1.33E-11	1.05E-11	7.64E-16	1.84E-14	1.02E-15	2.02291E-14	1.43E-08	1.3182E-05	1.88E-06	4.51414E-12	3.08767E-15	2.25315E-12	5.14E-16
157	571270.6	4178079	0.55, 41780	0.53318	0.48578	0.3586	215.1929	81.06645	332.5769	26.89911	17.27973	41.57211	1.55E-08	1.44E-05	1.79E-06	4.78E-12	1.44E-11	1.14E-11	8.27E-16	2E-14	1.1E-15	2.18973E-14	1.548E-08	1.4354E-05	1.79E-06	4.88639E-12	3.34229E-15	2.43895E-12	5.56E-16
158	571310.6	4178079	0.55, 41780	0.58671	0.50689	0.39805	205.97464	69.75551	363.05687	25.74683	14.70822	45.38211	1.72E-08	1.57E-05	1.96E-06	5.3E-12	1.6E-11	1.26E-11	9.18E-16	2.22E-14	1.22E-15	2.43058E-14	1.718E-08	1.567E-05	1.96E-06	5.42384E-12	3.70991E-15	2.70721E-12	6.17E-16
159	571350.6	4178079	0.55, 41780	0.61439	0.51569	0.46686	184.46358	62.8789	316.33591	23.05795	12.5762	39.54199	2.02E-08	1.37E-05	1.71E-06	6.22E-12	1.88E-11	1.48E-11	1.08E-15	2.6E-14	1.43E-15	2.85061E-14	2.015E-08	1.3653E-05	1.71E-06	6.36115E-12	4.35103E-15	3.17505E-12	7.24E-16
160	571390.6	4178079	0.55, 41780	0.61879	0.51229	0.54521	162.6235	50.78632	251.98298	20.32794	11.67282	31.49787	2.35E-08	1.09E-05	1.36E-06	7.26E-12	2.19E-11	1.73E-11	1.26E-15	3.04E-14	1.68E-15	3.32886E-14	2.354E-08	1.0876E-05	1.36E-06	7.42836E-12	5.081E-15	3.70773E-12	8.45E-16
161	571430.6	4178079	0.55, 41780	0.60477	0.49855	0.60294	157.24404	39.05995	207.2573	19.65551	9.99401	25.90716	2.6E-08	8.95E-06	1.12E-06	8.03E-12	2.43E-11	1.92E-11	1.39E-15	3.36E-14	1.85E-15	3.68122E-14	2.603E-08	8.9453E-06	1.12E-06	8.21466E-12	5.61883E-15	4.1002E-12	9.35E-16
162	571470.6	4178079	0.55, 41780	0.57311	0.47467	0.61341	152.07991	30.59352	215.52596	19.00999	9.68796	26.94074	2.65E-08	9.3E-06	1.16E-06	8.17E-12	2.47E-11	1.95E-11	1.41E-15	3.42E-14	1.89E-15	3.74509E-14	2.648E-08	9.3021E-06	1.16E-06	8.35718E-12	5.71631E-15	4.17134E-12	9.51E-16
163	571510.6	4178079	0.55, 41780	0.53465	0.44658	0.58613	137.55383	33.88214	191.36045	17.19423	8.95455	23.92006	2.53E-08	8.26E-06	1.03E-06	7.81E-12	2.36E-11	1.86E-11	1.35E-15	3.26E-14	1.8E-15	3.57852E-14	2.53E-08	8.2591E-06	1.03E-06	7.98549E-12	5.46208E-15	3.98581E-12	9.09E-16
164	571550.6	4178079	0.55, 41780	0.48548	0.41212	0.53241	120.13532	36.07438	157.49519	15.01691	7.90342	19.6869	2.3E-08	6.8E-06	8.5E-07	7.09E-12	2.14E-11	1.69E-11	1.23E-15	2.96E-14	1.64E-15	3.25056E-14	2.298E-08	6.7976E-06	8.5E-07	7.25363E-12	4.96148E-15	3.62052E-12	8.25E-16
165	571590.6	4178079	0.55, 41780	0.43445	0.37558	0.47142	108.95419	37.19094	141.55637	13.61927	6.74143	17.69455	2.03E-08	6.11E-06	7.64E-07	6.28E-12	1.9E-11	1.5E-11	1.09E-15	2.62E-14	1.45E-15	2.87821E-14	2.035E-08	6.1097E-06	7.64E-07	6.42273E-12	4.39315E-15	3.20579E-12	7.31E-16
166	570310.6	4178119	0.55, 41781	0.10149	0.07442	0.09774	69.0748	28.05035	78.28908	8.63435	4.67506	9.78613	4.22E-09	3.38E-06	4.22E-07	1.3E-12	3.93E-12	3.11E-12	2.25E-16	5.44E-15	3E-16	5.96738E-15	4.219E-09	3.3791E-06	4.22E-07	1.33162E-12	9.1083E-16	6.64656E-13	1.52E-16
167	570350.6	4178119	0.55, 41781	0.11138	0.08273	0.10725	79.07973	29.62524	82.98136	9.88497	4.93754	10.37267	4.63E-09	3.58E-06	4.48E-07	1.43E-12	4.31E-12	3.41E-12	2.47E-16	5.97E-15	3.3E-16	6.54802E-15	4.63E-09	3.5817E-06	4.48E-07	1.46119E-12	9.99456E-16	7.29328E-13	1.66E-16
168	570390.6	4178119	0.55, 41781	0.12249	0.09237	0.11775	81.81771	30.97041	92.38822	10.22721	5.16174	11.54853	5.08E-09	3.99E-06	4.99E-07	1.57E-12	4.74E-12	3.74E-12	2.71E-16	6.56E-15	3.62E-16	7.18911E-15	5.083E-09	3.9877E-06	4.99E-07	1.60425E-12	1.09731E-15	8.00733E-13	1.83E-16
169	570430.6	4178119	0.55, 41781	0.13492	0.10362	0.12964	81.48606	32.23138	89.13007	10.18576	5.3719	11.14126	5.6E-09	3.85E-06	4.81E-07	1.73E-12	5.21E-12	4.12E-12	2.99E-16	7.22E-15	3.98E-16	7.91507E-15	5.596E-09	3.8471E-06	4.81E-07	1.76625E-12	1.20812E-15	8.81592E-13	2.01E-16
170	570470.6	4178119	0.55, 41781	0.14882	0.11683	0.14311	90.82614	33.6686	97.62505	11.35327	5.5932	12.20313	6.18E-09	4.21E-06	5.27E-07	1.91E-12	5.76E-12	4.55E-12	3.3E-16	7.97E-15	4.4E-16	8.73751E-15	6.178E-09	4.2137E-06	5.27E-07	1.94978E-12	1.33365E-15	9.73196E-13	2.22E-16
171	570510.6	4178119	0.55, 41781	0.16361	0.13228	0.15796	92.34034	35.20886	102.68913	11.54254	5.82093	12.83614	6.82E-09	4.43E-06	5.54E-07	2.1E-12	6.35E-12	5.02E-12	3.64E-16	8.79E-15	4.85E-16	9.64421E-15	6.819E-09	4.4323E-06	5.54E-07	2.15211E-12	1.47204E-15	1.07419E-12	2.45E-16
172	570550.6	4178119	0.55, 41781	0.17911	0.1505	0.17388	100.11195	36.92243	110.21215	12.51399	6.33987	13.77652	7.51E-09	4.76E-06	5.95E-07	2.32E-12	6.99E-12	5.52E-12	4.01E-16	9.68E-15	5.34E-16	1.06163E-14	7.506E-09	4.757E-06	5.95E-07	2.36903E-12	1.62041E-15	1.18246E-12	2.7E-16
173	570590.6	4178119	0.55, 41781	0.19374	0.17125	0.18923	103.74737	38.76233	121.67682	12.96842	6.89651	15.2096	8.17E-09	5.25E-06	6.57E-07	2.52E-12	7.61E-12	6.01E-12	4.36E-16	1.05E-14	5.82E-16	1.15536E-14	8.169E-09	5.2518E-06	6.57E-07	2.57819E-12	1.76348E-15	1.28686E-12	2.93E-16
174	570630.6	4178119	0.55, 41781	0.2069	0.19483	0.20326	104.63966	41.01094	121.05227	13.84797	7.49161	15.13153	8.77E-09	5.22E-06	6.53E-07	2.71E-12	8.18E-12	6.46E-12	4.69E-16	1.13E-14	6.25E-16	1.24104E-14	8.774E-09	5.2249E-06	6.53E-07	2.76938E-12	1.89425E-15	1.38228E-12	3.15E-16
175	570670.6	4178119	0.55, 41781	0.21998	0.22122	0.21442	115.58367	43.51142	138.36153	15.0671	8.60459	17.29519	9.26E-09	5.97E-06	7.47E-07	2.86E-12	8.62E-12	6.81E-12	4.94E-16	1.19E-14	6.59E-16	1.3092E-14	9.256E-09	5.9719E-06	7.47E-07	2.92148E-12	1.99829E-15	1.4582E-12	3.32E-16
176	570710.6	4178119	0.55, 41781	0.23703	0.25104	0.22497	127.12041	45.98226	134.54184	16.41254	9.96819	16.81773	9.71E-09	5.81E-06	7.26E-07	3E-12	9.05E-12	7.15E-12	5.19E-16	1.25E-14	6.91E-16	1.37364E-14	9.712E-09	5.8071E-06	7.26E-07	3.06529E-12	2.09666E-15	1.52999E-12	3.49E-16
177	570750.6	4178119	0.55, 41781	0.26187	0.28441	0.24496	163.41699	49.64069	173.69321	20.42712	11.18287	24.67477	1.06E-08	7.5E-06	1.07E-06	3.26E-12	9.85E-12	7.78E-12	5.65E-16	1.36E-14	7.53E-16	1.49572E-14	1.058E-08	7.4969E-06	1.07E-06	3.3377E-12	2.28299E-15	1.66595E-12	3.8E-16
178	570790.6	4178119	0.55, 41781	0.29707	0.32177	0.27572	189.30326	59.79186	203.13563	23.66291	12.3939	25.39195	1.19E-08	8.77E-06	1.1E-06	3.67E-12	1.11E-11	8.76E-12	6.36E-16	1.54E-14	8.47E-16	1.68354E-14	1.19E-08	8.7677E-06	1.1E-06	3.75683E-12	2.56967E-15	1.87515E-12	4.28E-16
179	570830.6	4178119	0.55, 41781	0.34574	0.3643	0.31009	193.11502	64.55328	210.79637	24.13938	13.76558	26.34955	1.34E-08	9.1E-06	1.14E-06	4.13E-12	1.25E-11	9.85E-12	7.15E-16	1.73E-14	9.53E-16	1.89341E-14	1.339E-08	9.0983E-06	1.14E-06	4.22515E-12	2.89E-15	2.10891E-12	4.81E-16
180	570870.6	4178119	0.55, 41781	0.41228	0.41342	0.35667	202.8381	69.60981	241.64288	25.35476	15.49628	31.6123	1.54E-08	1.04E-05	1.36E-06	4.75E-12	1.43E-11	1.13E-11	8.22E-16	1.99E-14	1.1E-15	2.17782E-14	1.54E-08	1.043E-05	1.36E-06	4.85981E-12	3.32411E-15	2.42569E-12	5.53E-16
181	570910.6	4178119	0.55, 41781	0.49003	0.46844	0.41739	224.50761	75.3478	268.49725	28.06345	17.99511	33.56216	1.8E-08	1.16E-05	1.45E-06	5.56E-12	1.68E-11	1.33E-11	9.62E-16	2.32E-14	1.28E-15	2.54855E-14	1.802E-08	1.1589E-05	1.45E-06	5.68711E-12	3.88998E-15	2.83862E-12	6.47E-16
182	570950.6	4178119	0.55, 41781	0.55455	0.52056	0.48015	237.44511	82.6149	307.44591	31.19836	20.61697	38.43074	2.07E-08	1.33E-05	1.66E-06	6.4E-12	1.93E-11	1.53E-11	1.11E-15	2.67E-14	1.48E-15	2.93173E-14	2.073E-08	1.327E-05	1.66E-06	6.54217E-12	4.47485E-15	3.26541E-12	7.45E-16
183	570990.6	4178119	0.55, 41781	0.59019	0.56679	0.49805	260.70129	98.30209	347.94815	39.14578	18.7176	43.49352	2.15E-08	1.5E-05	1.88E-06	6.63E-12	2E-11	1.58E-11	1.15E-15	2.77E-14	1.53E-15	3.04107E-14	2.15E-08	1.5018E-05	1.88E-06	6.78616E-12	4.64173E-15	3.38719E-12	7.72E-16
184	571030.6	4178119	0.55, 41781	0.58003	0.59593	0.46436	288.08817	110.38847	394.82286	43.41155	19.84321	60.28631	2E-08	1.7E-05	2.6E-06	6.19E-12	1.87E-11	1.48E-11	1.07E-15	2.59E-14	1.43E-15	2.83547E-14	2.005E-08	1.7041E-05	2.6E-06	6.32736E-12	4.32791E-15	3.15819E-12	7.2E-16
185	571070.6	4178119	0.55, 41781	0.56003	0.61401	0.43624	281.59163	124.26135	479.69295	39.26934	23.95732	65.06151	1.88E-08	2.07E-05	2.81E-06	5.81E-12	1.75E-11	1.39E-11	1.01E-15	2.43E-14	1.34E-15	2.66385E-14	1.883E-08	2.0704E-05	2.81E-06	5.94438E-12	4.06596E-15	2.96703E-12	6.76E-16
186	571110.6	4178119	0.55, 41781	0.57497	0.62965	0.42923	279.23237	138.16088	507.21032	41.39356	27.39828	63.69191	1.85E-08	2.19E-05	2.75E-06	5.72E-12	1.73E-11	1.36E-11	9.9E-16	2.39E-14	1.32E-15	2.62108E-14	1.853E-08	2.1892E-05	2.75E-06	5.84896E-12	4.00069E-15	2.9194E-12	6.66E-16
187	571150.6	4178119	0.55, 41781	0.64473	0.65929	0.45591	273.06399	137.55558	506.75735	37.77228	27.34359	77.75635	1.97E-08	2.19E-05	3.36E-06	6.07E-12	1.83E-11	1.45E-11	1.05E-15	2.54E-14	1.4E-15	2.784E-14	1.968E-08	2.1872E-05	3.36E-06	6.2125E-12	4.24935E-15	3.10085E-12	7.07E-16
188	571190.6	4178119	0.55, 41781	0.76806	0.70549	0.46182	260.36357	120.74038	479.78233	32.90288	24.49294	68.54033	1.99E-08	2.07E-05	2.96E-06	6.15E-12	1.86E-11	1.47E-11	1.06E-15	2.57E-14	1.42E-15	2.82016E-14	1.994E-08	2.0708E-05	2.96E-06	6.2932E-12	4.30455E-15	3.14114E-12	7.16E-16
189	571230.6	4178119	0.55, 41781	0.88147	0.74364	0.51839	250.38438	100.21062	435.42985	31.29805	22.32262	54.42873	2.24E-08	1.88E-05	2.35E-06	6.91E-12	2.09E-11	1.65E-11	1.2E-15	2.89E-14	1.59E-15	3.16554E-14	2.238E-08	1.8793E-05	2.35E-06	7.06392E-12	4.83172E-15	3.52583E-12	8.04E-16
190	571270.6	4178119	0.55, 41781	0.94057	0.75526	0.59724	235.31349	80.57107	462.41399	29.41419	18.81416	57.80175	2.58E-08	2E-05	2.49E-06	7.96E-12	2.4E-11	1.9E-11	1.38E-15	3.33E-14	1.84E-15	3.64687E-14	2.578E-08	1.9958E-05	2.49E-06	8.13801E-12	5.5664E-15	4.06194E-12	9.26E-16
191	571310.6	4178119	0.55, 41781	0.94266	0.74202	0.72716	211.76846	71.48368	401.12341	26.47106	15.959	50.14043	3.14E-08	1.73E-05	2.16E-06	9.69E-12	2.92E-11	2.31E-11	1.68E-15	4.05E-14	2.23E-15	4.43989E-14	3.139E-08	1.7312E-05	2.16E-06	9.90763E-12	6.77682E-15	4.94522E-12	1.13E-15
192	571350.6	4178119	0.55, 41781	0.90909	0.71255	0.85266	184.59351	57.17412	286.57244	23.07419	14.42847	35.82155	3.68E-08	1.24E-05	1.55E-06	1.14E-11	3.43E-11	2.71E-11	1.97E-15	4.75E-14	2.62E-15	5.2059E-14	3.681E-08	1.2369E-05	1.55E-06	1.1617E-11	7.94601E-15	5.79841E-12	1.32E-15
193	571390.6	4178119	0.55, 41781	0.85308	0.67145	0.90336	182.88204	42.90716	275.98695	22.86025	12.27464	34.49837	3.9E-08	1.19E-05	1.49E-06	1.2E-11	3.63E-11	2.87E-11	2.08E-15	5.03E-14	2.78E-15	5.5153E-14	3.899E-08	1.1912E-05	1.49E-06	1.23074E-11	8.41827E-15	6.14302E-12	1.4E-15
194	571430.6	4178119	0.55, 41781	0.78	0.62166	0.86624	169.0522	41.64549	252.50347	21.13153	11.39175	31.56293	3.74E-08	1.09E-05	1.36E-06	1.15E-11	3.48E-11	2.75E-11	2E-15	4.82E-14	2.66E-15	5.28863E-14	3.739E-08	1.0898E-05	1.36E-06	1.18016E-11	8.0723E-15	5.89056E-12	1.34E-15
195	571470.6	4178119	0.55, 41781	0.69763	0.567	0.77646	144.82238	43.55007	199.26025	18.1028	10.0864	24.90753	3.35E-08	8.6E-06	1.08E-06	1.03E-11	3.12E-11	2.47E-11	1.79E-15	4.32E-14	2.39E-15	4.74052E-14	3.352E-08	8.6002E-06	1.08E-06	1.05785E-11	7.23568E-15	5.28006E-12	1.2E-15
196	571510.6	4178119	0.55, 41781	0.61632	0.51188	0.67545	129.07456	44.20691	173.84445	16.93315	8.5721	21.73056	2.92E-08	7.5E-06	9.38E-07	9E-12	2.72E-11	2.15E-11	1.56E-15	3.76E-14	2.08E-15	4.12385E-14	2.916E-08	7.5033E-06	9.38E-07	9.20238E-12	6.29443E-15	4.5932E-12	1.05E-15
197	571550.6	4178119	0.55, 41781	0.53701	0.45659	0.57828	116.13448	43.6354	149.52645	16.99831	7.6971	20.20244	2.5E-08	6.45E-06	8.72E-07	7.7E-12	2.33E-11	1.84E-11	1.33E-15	3.22E-14	1.78E-15	3.53062E-14	2.496E-08	6.4538E-06	8.72E-07	7.8786E-12	5.38896E-15	3.93246E-12	8.97E-16
198	571590.6	4178119	0.55, 41781	0.46599	0.40463	0.49394	103.06511	42.01095	133.93422	16.60125	6.75955	20.50745	2.13E-08	5.78E-06	8.85E-07	6.58E-12	1.99E-11	1.57E-11	1.14E-15	2.75E-14	1.52E-15	3.01572E-14	2.132E-08	5.7808E-06	8.85E-07	6.72959E-12	4.60304E-15	3.35895E-12	7.66E-16
199	570310.6	4178159	0.55, 41781	0.10452	0.07557	0.10002	83.14681	27.07322	89.45551	10.39335	4.47805	11.18194	4.32E-09	3.86E-06	4.83E-07	1.33E-12	4.02E-12	3.18E-12	2.31E-16	5.57E-15	3.07E-16	6.10658E-15	4.318E-09	3.8611E-06	4.83E-07	1.36268E-12	9.32076E-16	6.80159E-13	1.55E-16
200	570350.6	4178159	0.55, 41781	0.1156	0.08446	0.11071	83.51332	29.37807	93.62995	10.43917	4.89635	11.70374	4.78E-09	4.04E-06	5.05E-07	1.47E-12	4.45E-12	3.52E-12	2.55E-16	6.16E-15	3.4E-16	6.75925E-15	4.779E-09	4.0412E-06	5.05E-07	1.50833E-12	1.0317E-15	7.52855E-13	1.72E-16
201	570390.6	4178159	0.55, 41781	0.12828	0.09489	0.12282	85.72091	31.44775	90.10823	10.71511	5.24129	11.26353	5.3E-09	3.89E-06	4.86E-07	1.64E-12	4.94E-12	3.9E-12	2.83E-16	6.84E-15	3.77E-16	7.49863E-15	5.302E-09	3.8893E-06	4.86E-07	1.67332E-12	1.14455E-15	8.35208E-13	1.9E-16
202	570430.6	4178159	0.55, 41781	0.14269	0.1072	0.13639	94.53138	33.159	104.73347	11.81642	5.5265	13.09168	5.89E-09	4.52E-06	5.65E-07	1.82E-12	5.49E-12	4.33E-12	3.14E-16	7.59E-15	4.19E-16	8.32716E-15	5.888E-09	4.5205E-06	5.65E-07	1.85821E-12	1.27101E-15	9.27491E-13	2.11E-16
203	570470.6	4178159	0.55, 41781	0.15906	0.12183	0.15182	91.68652	34.69147	109.10852	11.46082	5.78191	13.63857	6.55E-09	4.71E-06	5.89E-07	2.02E-12	6.11E-12	4.82E-12	3.5E-16	8.45E-15	4.67E-16	9.26926E-15	6.554E-09	4.7093E-06	5.89E-07	2.06844E-12	1.41481E-15	1.03242E-12	2.35E-16
204	570510.6	4178159	0.55, 41781	0.17738	0.13933	0.16931	103.8828	36.49731	110.76271	12.98535	6.04456	13.84534	7.31E-09	4.78E-06	5.98E-07	2.26E-12	6.81E-12	5.38E-12	3.9E-16	9.43E-15	5.2E-16	1.03372E-14	7.309E-09	4.7807E-06	5.98E-07	2.30674E-12	1.57781E-15	1.15137E-12	2.63E-16
205	570550.6	4178159	0.55, 41781	0.19733	0.16029	0.18927	106.21161	38.46337	121.82569	13.27645	6.62676	15.22821	8.17E-09	5.26E-06	6.57E-07	2.52E-12	7.61E-12	6.01E-12	4.36E-16	1.05E-14	5.82E-16	1.15559E-14	8.17E-09	5.2582E-06	6.57E-07	2.5787E-12	1.76383E-15	1.28711E-12	2.93E-16
206	570590.6	4178159	0.55, 41781	0.21794	0.18524	0.21062	115.65264	40.48441	129.80552	14.45658	7.37316	16.22569	9.09E-09	5.6E-06	7E-07	2.81E-12	8.47E-12	6.69E-12	4.85E-16	1.17E-14	6.47E-16	1.28595E-14	9.092E-09	5.6026E-06	7E-07	2.8696E-12	1.96281E-15	1.43231E-12	3.27E-16
207	570630.6	4178159	0.55, 41781	0.23707	0.21436	0.23118	118.44365	42.79741	144.28442	14.80546	8.08317	18.03555	9.98E-09	6.23E-06	7.79E-07	3.08E-12	9.3E-12	7.34E-12	5.33E-16	1.29E-14	7.11E-16	1.4115E-14	9.98E-09	6.2275E-06	7.79E-07	3.14976E-12	2.15443E-15	1.57214E-12	3.58E-16
208	570670.6	4178159	0.55, 41781	0.25383	0.24795	0.24882	124.95922	45.84094	144.90734	15.6199	8.90031	18.11342	1.07E-08	6.25E-06	7.82E-07	3.31E-12	1E-11	7.91E-12	5.74E-16	1.39E-14	7.65E-16	1.51922E-14	1.074E-08	6.2545E-06	7.82E-07	3.39015E-12	2.31886E-15	1.69213E-12	3.86E-16
209	570710.6	4178159	0.55, 41781	0.27135	0.28697	0.26135	131.25248	49.29697	162.49426	17.47805	10.6966	20.31178	1.13E-08	7.01E-06	8.77E-07	3.48E-12	1.05E-11	8.3E-12	6.02E-16	1.46E-14	8.03E-16	1.59577E-14	1.128E-08	7.0135E-06	8.77E-07	3.56096E-12	2.4357E-15	1.77739E-12	4.05E-16
210	570750.6	4178159	0.55, 41781	0.29528	0.33222	0.27619	146.48828	52.90094	155.94977	21.86848	12.23914	22.93785	1.19E-08	6.73E-06	9.9E-07	3.68E-12	1.11E-11	8.78E-12	6.37E-16	1.54E-14	8.49E-16	1.68643E-14	1.192E-08	6.7311E-06	9.9E-07	3.76326E-12	2.57407E-15	1.87837E-12	4.28E-16
211	570790.6	4178159	0.55, 41781	0.33253	0.38536	0.30655	168.4296	63.37031	207.44804	22.18934	13.75991	31.3643	1.32E-08	8.95E-06	1.35E-06	4.08E-12	1.23E-11	9.74E-12	7.07E-16	1.71E-14	9.42E-16	1.87183E-14	1.323E-08	8.9538E-06	1.35E-06	4.177E-12	2.85707E-15	2.08487E-12	4.75E-16
212	570830.6	4178159	0.55, 41781	0.39122	0.44987	0.34708	226.40986	70.88867	244.94075	28.30123	15.58224	30.61759	1.5E-08	1.06E-05	1.32E-06	4.62E-12	1.4E-11	1.1E-11	8E-16	1.93E-14	1.07E-15	2.11933E-14	1.498E-08	1.0572E-05	1.32E-06	4.7293E-12	3.23484E-15	2.36055E-12	5.38E-16
213	570870.6	4178159	0.55, 41781	0.48272	0.53035	0.408	262.06298	76.1106	293.39264	32.75787	17.58972	36.67408	1.76E-08	1.27E-05	1.58E-06	5.44E-12	1.64E-11	1.3E-11	9.41E-16	2.27E-14	1.25E-15	2.49133E-14	1.761E-08	1.2663E-05	1.58E-06	5.55941E-12	3.80264E-15	2.77488E-12	6.33E-16
214	570910.6	4178159	0.55, 41781	0.61652	0.63133	0.50366	261.24493	84.17228	335.42472	32.65562	20.33398	41.92809	2.17E-08	1.45E-05	1.81E-06	6.71E-12	2.03E-11	1.6E-11	1.16E-15	2.8E-14	1.55E-15	3.07542E-14	2.174E-08	1.4477E-05	1.81E-06	6.8628E-12	4.69416E-15	3.42544E-12	7.81E-16
215	570950.6	4178159	0.55, 41781	0.78722	0.75662	0.63069	286.12528	93.97029	373.71712	38.09436	25.30252	46.71464	2.72E-08	1.61E-05	2.02E-06	8.4E-12	2.54E-11	2E-11	1.45E-15	3.51E-14	1.94E-15	3.85103E-14	2.723E-08	1.613E-05	2.02E-06	8.59359E-12	5.87801E-15	4.28933E-12	9.78E-16
216	570990.6	4178159	0.55, 41781	0.95557	0.89576	0.74297	303.7283	113.02353	445.40224	49.39935	30.83627	55.67528	3.21E-08	1.92E-05	2.4E-06	9.9E-12	2.99E-11	2.36E-11	1.71E-15	4.14E-14	2.28E-15	4.53663E-14	3.208E-08	1.9224E-05	2.4E-06	1.01235E-11	6.92448E-15	5.05296E-12	1.15E-15
217	571030.6	4178159	0.55, 41781	1.0701	1.00768	0.7637	365.27865	135.92516	512.48146	63.89384	29.33742	70.31034	3.3E-08	2.21E-05	3.04E-06	1.02E-11	3.07E-11	2.43E-11	1.76E-15	4.25E-14	2.35E-15	4.66336E-14	3.297E-08	2.2119E-05	3.04E-06	1.04063E-11	7.1179E-15	5.19411E-12	1.18E-15
218	571070.6	4178159	0.55, 41781	1.06935	1.07923	0.71312	382.13438	155.20031	662.82772	54.74849	37.25068	94.68967	3.08E-08	2.86E-05	4.09E-06	9.5E-12	2.87E-11	2.27E-11	1.64E-15	3.97E-14	2.19E-15	4.35472E-14	3.079E-08	2.8608E-05	4.09E-06	9.71757E-12	6.64682E-15	4.85035E-12	1.11E-15
219	571110.6	4178159	0.55, 41781	1.19831	1.16386	0.6846	373.85472	174.62021	736.75515	53.40782	39.37776	93.09067	2.96E-08	3.18E-05	4.02E-06	9.12E-12	2.75E-11	2.18E-11	1.58E-15	3.81E-14	2.1E-15	4.18078E-14	2.956E-08	3.1799E-05	4.02E-06	9.32943E-12	6.38133E-15	4.65662E-12	1.06E-15
220	571150.6	4178159	0.55, 41781	1.53671	1.26322	0.72724	331.2731	149.81574	693.97089	50.26616	34.67292	96.78528	3.14E-08	3E-05	4.18E-06	9.69E-12	2.93E-11	2.31E-11	1.68E-15	4.05E-14	2.24E-15	4.44127E-14	3.14E-08	2.9952E-05	4.18E-06	9.9107E-12	6.77892E-15	4.94675E-12	1.13E-15
221	571190.6	4178159	0.55, 41781	1.71324	1.27647	0.80447	303.51531	125.05743	565.89383	43.45807	29.97586	80.84198	3.47E-08	2.44E-05	3.49E-06	1.07E-11	3.24E-11	2.56E-11	1.85E-15	4.48E-14	2.47E-15	4.91273E-14	3.473E-08	2.4424E-05	3.49E-06	1.09628E-11	7.49854E-15	5.47187E-12	1.25E-15
222	571230.6	4178159	0.55, 41781	1.67997	1.21931	0.99011	277.00255	96.22407	622.39581	36.53844	24.95569	77.79948	4.27E-08	2.69E-05	3.36E-06	1.32E-11	3.98E-11	3.15E-11	2.28E-15	5.51E-14	3.04E-15	6.04579E-14	4.275E-08	2.6862E-05	3.36E-06	1.34912E-11	9.22799E-15	6.73389E-12	1.54E-15
223	571270.6	4178159	0.55, 41781	1.56347	1.13234	1.265	251.98402	83.18585	536.39129	31.498	20.71301	67.04891	5.46E-08	2.32E-05	2.89E-06	1.69E-11	5.09E-11	4.02E-11	2.92E-15	7.04E-14	3.89E-15	7.72358E-14	5.461E-08	2.315E-05	2.89E-06	1.72352E-11	1.17889E-14	8.60264E-12	1.96E-15
224	571310.6	4178159	0.55, 41781	1.42012	1.03692	1.45126	223.09845	65.85457	360.16353	27.88731	18.21453	45.02044	6.26E-08	1.55E-05	1.94E-06	1.93E-11	5.84E-11	4.61E-11	3.34E-15	8.08E-14	4.46E-15	8.86035E-14	6.265E-08	1.5545E-05	1.94E-06	1.97719E-11	1.3524E-14	9.86879E-12	2.25E-15
225	571350.6	4178159	0.55, 41781	1.26306	0.93714	1.42084	212.7442	53.05659	355.96566	26.59303	15.01468	44.49571	6.13E-08	1.54E-05	1.92E-06	1.89E-11	5.71E-11	4.51E-11	3.27E-15	7.91E-14	4.37E-15	8.67449E-14	6.133E-08	1.5363E-05	1.92E-06	1.93572E-11	1.32403E-14	9.66177E-12	2.2E-15
226	571390.6	4178159	0.55, 41781	1.10199	0.83709	1.24864	185.92823	54.01949	274.01244	23.24103	13.29114	34.25155	5.39E-08	1.18E-05	1.48E-06	1.66E-11	5.02E-11	3.97E-11	2.88E-15	6.95E-14	3.84E-15	7.6232E-14	5.39E-08	1.1826E-05	1.48E-06	1.70112E-11	1.16357E-14	8.49083E-12	1.94E-15
227	571430.6	4178159	0.55, 41781	0.9418	0.73869	1.04204	159.26436	53.60229	222.79179	21.61583	11.2268	27.84897	4.5E-08	9.62E-06	1.2E-06	1.39E-11	4.19E-11	3.31E-11	2.4E-15	5.8E-14	3.2E-15	6.36193E-14	4.498E-08	9.6159E-06	1.2E-06	1.41967E-11	9.71052E-15	7.08601E-12	1.62E-15
228	571470.6	4178159	0.55, 41781	0.79447	0.64516	0.85663	139.92539	51.85557	187.30754	21.06215	9.90602	27.91527	3.7E-08	8.08E-06	1.21E-06	1.14E-11	3.45E-11	2.72E-11	1.97E-15	4.77E-14	2.63E-15	5.23001E-14	3.698E-08	8.0844E-06	1.21E-06	1.16708E-11	7.98282E-15	5.82526E-12	1.33E-15
229	571510.6	4178159	0.55, 41781	0.67282	0.56206	0.7111	120.25585	49.92459	159.61818	19.96311	8.50885	26.60303	3.07E-08	6.89E-06	1.15E-06	9.47E-12	2.86E-11	2.26E-11	1.64E-15	3.96E-14	2.19E-15	4.34154E-14	3.07E-08	6.8894E-06	1.15E-06	9.68817E-12	6.62671E-15	4.83568E-12	1.1E-15
230	571550.6	4178159	0.55, 41781	0.57423	0.48972	0.59807	110.64777	47.57404	144.95635	18.4413	7.31081	24.15939	2.58E-08	6.26E-06	1.04E-06	7.97E-12	2.41E-11	1.9E-11	1.38E-15	3.33E-14	1.84E-15	3.65148E-14	2.582E-08	6.2566E-06	1.04E-06	8.14829E-12	5.57343E-15	4.06707E-12	9.27E-16
231	571590.6	4178159	0.55, 41781	0.49292	0.42713	0.50772	100.4908	44.5532	128.72625	16.74847	6.44552	21.45437	2.19E-08	5.56E-06	9.26E-07	6.76E-12	2.04E-11	1.61E-11	1.17E-15	2.83E-14	1.56E-15	3.09987E-14	2.192E-08	5.5561E-06	9.26E-07	6.91737E-12	4.73148E-15	3.45268E-12	7.87E-16
232	570310.6	4178199	0.55, 41781	0.10691	0.07648	0.10208	81.28791	24.55019	79.664	10.16099	3.94128	9.958	4.41E-09	3.44E-06	4.3E-07	1.36E-12	4.11E-12	3.24E-12	2.35E-16	5.68E-15	3.14E-16	6.23234E-15	4.406E-09	3.4385E-06	4.3E-07	1.39075E-12	9.51272E-16	6.94167E-13	1.58E-16
233	570350.6	4178199	0.55, 41781	0.11881	0.08587	0.11329	92.41038	27.80697	96.15133	11.5513	4.55912	12.01892	4.89E-09	4.15E-06	5.19E-07	1.51E-12	4.56E-12	3.6E-12	2.61E-16	6.31E-15	3.48E-16	6.91676E-15	4.89E-09	4.15E-06	5.19E-07	1.54348E-12	1.05574E-15	7.70399E-13	1.76E-16
234	570390.6	4178199	0.55, 41781	0.13286	0.09703	0.12666	98.9418	30.67703	108.4605	12.36772	5.11284	13.55756	5.47E-09	4.68E-06	5.85E-07	1.69E-12	5.09E-12	4.02E-12	2.92E-16	7.05E-15	3.89E-16	7.73307E-15	5.468E-09	4.6813E-06	5.85E-07	1.72564E-12	1.18034E-15	8.6132E-13	1.96E-16
235	570430.6	4178199	0.55, 41781	0.14935	0.11037	0.14231	98.24021	33.47488	112.67373	12.28003	5.57915	14.08422	6.14E-09	4.86E-06	6.08E-07	1.9E-12	5.72E-12	4.52E-12	3.28E-16	7.92E-15	4.37E-16	8.68858E-15	6.143E-09	4.8632E-06	6.08E-07	1.93886E-12	1.32618E-15	9.67746E-13	2.21E-16
236	570470.6	4178199	0.55, 41781	0.1686	0.12646	0.16043	107.25905	35.76824	115.05444	13.40738	5.96137	14.38181	6.93E-09	4.97E-06	6.21E-07	2.14E-12	6.45E-12	5.1E-12	3.7E-16	8.93E-15	4.93E-16	9.7949E-15	6.925E-09	4.966E-06	6.21E-07	2.18574E-12	1.49504E-15	1.09097E-12	2.49E-16
237	570510.6	4178199	0.55, 41781	0.19081	0.14598	0.18108	111.923	37.71142	131.96286	13.99038	6.28524	16.49536	7.82E-09	5.7E-06	7.12E-07	2.41E-12	7.28E-12	5.75E-12	4.17E-16	1.01E-14	5.57E-16	1.10557E-14	7.817E-09	5.6957E-06	7.12E-07	2.46709E-12	1.68749E-15	1.2314E-12	2.81E-16
238	570550.6	4178199	0.55, 41781	0.21602	0.16987	0.20494	119.57772	40.00549	129.21029	14.94721	6.67621	16.15129	8.85E-09	5.58E-06	6.97E-07	2.73E-12	8.24E-12	6.51E-12	4.72E-16	1.14E-14	6.3E-16	1.25125E-14	8.847E-09	5.577E-06	6.97E-07	2.79218E-12	1.90985E-15	1.39367E-12	3.18E-16
239	570590.6	4178199	0.55, 41781	0.24388	0.19917	0.2325	124.08345	42.52786	147.10165	15.51043	7.78928	18.38771	1E-08	6.35E-06	7.94E-07	3.1E-12	9.35E-12	7.39E-12	5.36E-16	1.29E-14	7.15E-16	1.41953E-14	1.004E-08	6.3491E-06	7.94E-07	3.16769E-12	2.1667E-15	1.58109E-12	3.6E-16
240	570630.6	4178199	0.55, 41781	0.27242	0.23473	0.26214	135.79301	45.13025	156.31523	16.97413	8.73982	19.5394	1.13E-08	6.75E-06	8.43E-07	3.49E-12	1.05E-11	8.33E-12	6.04E-16	1.46E-14	8.06E-16	1.60051E-14	1.132E-08	6.7468E-06	8.43E-07	3.57155E-12	2.44294E-15	1.78267E-12	4.06E-16
241	570670.6	4178199	0.55, 41781	0.29828	0.27729	0.29064	136.89517	48.04336	174.48935	17.44831	9.65486	21.81117	1.25E-08	7.53E-06	9.42E-07	3.87E-12	1.17E-11	9.23E-12	6.7E-16	1.62E-14	8.93E-16	1.77455E-14	1.255E-08	7.5312E-06	9.42E-07	3.95991E-12	2.70858E-15	1.97652E-12	4.51E-16
242	570710.6	4178199	0.55, 41781	0.321	0.32818	0.31291	151.98197	52.23375	185.24815	19.68934	11.4382	23.15602	1.35E-08	8E-06	1E-06	4.17E-12	1.26E-11	9.94E-12	7.21E-16	1.74E-14	9.62E-16	1.91056E-14	1.351E-08	7.9956E-06	1E-06	4.26343E-12	2.91619E-15	2.12801E-12	4.85E-16
243	570750.6	4178199	0.55, 41781	0.34558	0.38955	0.32771	144.14265	57.26085	196.68908	22.53194	13.53855	24.58613	1.41E-08	8.49E-06	1.06E-06	4.37E-12	1.32E-11	1.04E-11	7.55E-16	1.82E-14	1.01E-15	2.001E-14	1.415E-08	8.4894E-06	1.06E-06	4.46524E-12	3.05422E-15	2.22874E-12	5.08E-16
244	570790.6	4178199	0.55, 41781	0.38143	0.46429	0.35275	173.32889	66.95506	241.81218	25.57778	15.36352	36.58263	1.52E-08	1.04E-05	1.58E-06	4.7E-12	1.42E-11	1.12E-11	8.13E-16	1.96E-14	1.08E-15	2.15396E-14	1.523E-08	1.0437E-05	1.58E-06	4.80658E-12	3.2877E-15	2.39912E-12	5.47E-16
245	570830.6	4178199	0.55, 41781	0.44289	0.55991	0.39405	200.31972	78.9407	262.23048	28.47462	17.66262	37.4615	1.7E-08	1.13E-05	1.62E-06	5.25E-12	1.59E-11	1.25E-11	9.08E-16	2.19E-14	1.21E-15	2.40622E-14	1.701E-08	1.1318E-05	1.62E-06	5.36948E-12	3.67272E-15	2.68008E-12	6.11E-16
246	570870.6	4178199	0.55, 41781	0.55133	0.6879	0.45528	245.75399	83.68372	263.19795	34.28137	20.83884	36.18743	1.97E-08	1.14E-05	1.56E-06	6.07E-12	1.83E-11	1.45E-11	1.05E-15	2.54E-14	1.4E-15	2.78018E-14	1.966E-08	1.136E-05	1.56E-06	6.20397E-12	4.24352E-15	3.0966E-12	7.06E-16
247	570910.6	4178199	0.55, 41781	0.74216	0.86472	0.57468	353.61381	98.21675	387.24795	44.20173	24.01316	48.40599	2.48E-08	1.67E-05	2.09E-06	7.66E-12	2.31E-11	1.83E-11	1.32E-15	3.2E-14	1.77E-15	3.5093E-14	2.481E-08	1.6714E-05	2.09E-06	7.83101E-12	5.35641E-15	3.90871E-12	8.91E-16
248	570950.6	4178199	0.55, 41781	1.08517	1.1274	0.77671	376.11466	111.85514	479.74888	52.74149	29.33795	59.96861	3.35E-08	2.07E-05	2.59E-06	1.03E-11	3.12E-11	2.47E-11	1.79E-15	4.33E-14	2.39E-15	4.74295E-14	3.353E-08	2.0706E-05	2.59E-06	1.05839E-11	7.2394E-15	5.28277E-12	1.2E-15
249	570990.6	4178199	0.55, 41781	1.58976	1.56693	1.05873	410.19015	135.68135	559.12982	68.60008	44.06737	76.18548	4.57E-08	2.41E-05	3.29E-06	1.41E-11	4.26E-11	3.36E-11	2.44E-15	5.9E-14	3.25E-15	6.46516E-14	4.571E-08	2.4133E-05	3.29E-06	1.4427E-11	9.86809E-15	7.20099E-12	1.64E-15
250	571030.6	4178199	0.55, 41781	2.42958	2.27373	1.377	561.74649	191.25505	728.04918	107.05418	55.40677	100.45619	5.95E-08	3.14E-05	4.34E-06	1.83E-11	5.54E-11	4.38E-11	3.17E-15	7.67E-14	4.23E-15	8.4091E-14	5.945E-08	3.1423E-05	4.34E-06	1.87649E-11	1.28352E-14	9.36618E-12	2.14E-15
251	571070.6	4178199	0.55, 41781	3.58306	3.18041	1.39903	721.18769	259.71405	966.70756	139.49461	73.67892	146.94766	6.04E-08	4.17E-05	6.34E-06	1.86E-11	5.63E-11	4.45E-11	3.23E-15	7.79E-14	4.3E-15	8.54513E-14	6.042E-08	4.1724E-05	6.34E-06	1.90685E-11	1.30428E-14	9.51769E-12	2.17E-15
252	571110.6	4178199	0.55, 41781	5.26167	3.22788	1.2956	536.30163	206.72583	1199.13306	116.57539	57.94295	153.9862	5.6E-08	5.18E-05	6.65E-06	1.73E-11	5.21E-11	4.12E-11	2.99E-15	7.22E-14	3.98E-15	7.91415E-14	5.596E-08	5.1754E-05	6.65E-06	1.76604E-11	1.20797E-14	8.81489E-12	2.01E-15
253	571150.6	4178199	0.55, 41781	4.55265	2.7214	1.43074	406.82024	165.14744	1078.46551	75.27018	43.84452	138.95995	6.18E-08	4.65E-05	6E-06	1.91E-11	5.76E-11	4.55E-11	3.3E-15	7.97E-14	4.4E-15	8.73817E-14	6.178E-08	4.6546E-05	6E-06	1.94992E-11	1.33375E-14	9.7327E-12	2.22E-15
254	571190.6	4178199	0.55, 41781	3.6655	2.27193	1.9191	348.88414	129.45816	921.59929	55.11772	35.12171	118.18584	8.29E-08	3.98E-05	5.1E-06	2.56E-11	7.72E-11	6.1E-11	4.42E-15	1.07E-13	5.9E-15	1.17183E-13	8.285E-08	3.9776E-05	5.1E-06	2.61494E-11	1.78862E-14	1.3052E-11	2.98E-15

255	571230.6	4178199	0.55, 41781	2.99647	1.91661	2.63905	311.11499	100.77545	780.81724	44.29874	28.05958	97.60216	1.14E-07	3.37E-05	4.21E-06	3.52E-11	1.06E-10	8.38E-11	6.08E-15	1.47E-13	8.11E-15	1.61123E-13	1.139E-07	3.3699E-05	4.21E-06	3.59546E-11	2.45929E-14	1.79461E-11	4.09E-15
256	571270.6	4178199	0.55, 41781	2.48655	1.63354	2.7833	275.28639	78.6156	563.64868	36.03295	23.70769	70.45609	1.2E-07	2.43E-05	3.04E-06	3.71E-11	1.12E-10	8.84E-11	6.41E-15	1.55E-13	8.55E-15	1.69923E-13	1.201E-07	2.4327E-05	3.04E-06	3.79183E-11	2.59361E-14	1.89262E-11	4.32E-15
257	571310.6	4178199	0.55, 41781	2.04979	1.39182	2.36332	251.65063	69.80646	418.93362	31.45633	18.505	52.3667	1.02E-07	1.81E-05	2.26E-06	3.15E-11	9.5E-11	7.51E-11	5.45E-15	1.32E-13	7.26E-15	1.44282E-13	1.02E-07	1.8081E-05	2.26E-06	3.21967E-11	2.20225E-14	1.60704E-11	3.66E-15
258	571350.6	4178199	0.55, 41781	1.66907	1.18291	1.84305	207.71058	67.17721	304.96385	28.41822	15.5683	43.42728	7.96E-08	1.32E-05	1.87E-06	2.45E-11	7.41E-11	5.86E-11	4.25E-15	1.03E-13	5.66E-15	1.12521E-13	7.956E-08	1.3162E-05	1.87E-06	2.51091E-11	1.71746E-14	1.25328E-11	2.86E-15
259	571390.6	4178199	0.55, 41781	1.33874	0.99933	1.42084	175.53523	63.93291	243.3206	26.80029	13.20173	40.55343	6.13E-08	1.05E-05	1.75E-06	1.89E-11	5.71E-11	4.51E-11	3.27E-15	7.91E-14	4.37E-15	8.6746E-14	6.133E-08	1.0502E-05	1.75E-06	1.93574E-11	1.32405E-14	9.66189E-12	2.2E-15
260	571430.6	4178199	0.55, 41781	1.08215	0.84466	1.12094	146.49279	60.30749	207.71024	24.41546	11.02968	34.61837	4.84E-08	8.97E-06	1.49E-06	1.49E-11	4.51E-11	3.56E-11	2.58E-15	6.24E-14	3.44E-15	6.84372E-14	4.839E-08	8.9651E-06	1.49E-06	1.52718E-11	1.04459E-14	7.62263E-12	1.74E-15
261	571470.6	4178199	0.55, 41781	0.88511	0.71494	0.90372	129.54701	55.96987	172.11269	21.59117	9.33698	28.68545	3.9E-08	7.43E-06	1.24E-06	1.2E-11	3.63E-11	2.87E-11	2.08E-15	5.03E-14	2.78E-15	5.51757E-14	3.901E-08	7.4287E-06	1.24E-06	1.23125E-11	8.42173E-15	6.14555E-12	1.4E-15
262	571510.6	4178199	0.55, 41781	0.73336	0.60746	0.74181	112.64977	51.14316	142.69265	18.77496	8.40942	23.78211	3.2E-08	6.16E-06	1.03E-06	9.88E-12	2.98E-11	2.36E-11	1.71E-15	4.13E-14	2.28E-15	4.52908E-14	3.202E-08	6.1589E-06	1.03E-06	1.01067E-11	6.91295E-15	5.04455E-12	1.15E-15
263	571550.6	4178199	0.55, 41781	0.6189	0.52125	0.62191	97.68282	46.08498	120.36205	16.28047	7.59304	20.06034	2.68E-08	5.2E-06	8.66E-07	8.28E-12	2.5E-11	1.98E-11	1.43E-15	3.46E-14	1.91E-15	3.79705E-14	2.685E-08	5.1951E-06	8.66E-07	8.47314E-12	5.79563E-15	4.22921E-12	9.64E-16
264	571590.6	4178199	0.55, 41781	0.52714	0.45016	0.52751	84.87826	41.93857	102.67653	14.14638	6.8553	17.11275	2.28E-08	4.43E-06	7.39E-07	7.03E-12	2.12E-11	1.68E-11	1.22E-15	2.94E-14	1.62E-15	3.22071E-14	2.277E-08	4.4318E-06	7.39E-07	7.18702E-12	4.91593E-15	3.58727E-12	8.18E-16
265	570310.6	4178239	0.55, 41782	0.10871	0.07725	0.10419	69.36135	22.19632	77.30253	9.49069	3.20395	10.55794	4.5E-09	3.34E-06	4.56E-07	1.39E-12	4.19E-12	3.31E-12	2.4E-16	5.8E-15	3.2E-16	6.36115E-15	4.498E-09	3.3365E-06	4.56E-07	1.41949E-12	9.70933E-16	7.08514E-13	1.62E-16
266	570350.6	4178239	0.55, 41782	0.12097	0.08699	0.11543	80.24676	23.95533	77.73127	10.03084	3.79637	10.6184	4.98E-09	3.36E-06	4.58E-07	1.54E-12	4.64E-12	3.67E-12	2.66E-16	6.43E-15	3.55E-16	7.04741E-15	4.983E-09	3.355E-06	4.58E-07	1.57263E-12	1.07568E-15	7.84951E-13	1.79E-16
267	570390.6	4178239	0.55, 41782	0.13576	0.09875	0.129	97.68381	28.15369	96.07123	12.21048	4.56788	12.0089	5.57E-09	4.15E-06	5.18E-07	1.72E-12	5.19E-12	4.1E-12	2.97E-16	7.18E-15	3.96E-16	7.87593E-15	5.569E-09	4.1466E-06	5.18E-07	1.75752E-12	1.20214E-15	8.77233E-13	2E-16
268	570430.6	4178239	0.55, 41782	0.15369	0.11303	0.14573	112.57412	32.01468	119.02369	14.07177	5.30028	14.87796	6.29E-09	5.14E-06	6.42E-07	1.94E-12	5.86E-12	4.63E-12	3.36E-16	8.11E-15	4.48E-16	8.89738E-15	6.291E-09	5.1372E-06	6.42E-07	1.98545E-12	1.35805E-15	9.91003E-13	2.26E-16
269	570470.6	4178239	0.55, 41782	0.17542	0.1305	0.16624	120.86213	35.6675	135.90431	15.10777	5.94458	16.98804	7.18E-09	5.87E-06	7.33E-07	2.21E-12	6.69E-12	5.28E-12	3.83E-16	9.26E-15	5.11E-16	1.01496E-14	7.176E-09	5.8658E-06	7.33E-07	2.26489E-12	1.54919E-15	1.13048E-12	2.58E-16
270	570510.6	4178239	0.55, 41782	0.20166	0.15208	0.19089	118.29832	38.86505	139.27939	14.78729	6.47751	17.40992	8.24E-09	6.01E-06	7.52E-07	2.54E-12	7.68E-12	6.06E-12	4.4E-16	1.06E-14	5.87E-16	1.16546E-14	8.24E-09	6.0115E-06	7.52E-07	2.60074E-12	1.7789E-15	1.29811E-12	2.96E-16
271	570550.6	4178239	0.55, 41782	0.23297	0.17899	0.21994	134.82021	41.51275	155.81716	16.85253	6.91879	19.47714	9.49E-09	6.73E-06	8.41E-07	2.93E-12	8.85E-12	6.99E-12	5.07E-16	1.22E-14	6.76E-16	1.34283E-14	9.494E-09	6.7253E-06	8.41E-07	2.99653E-12	2.04963E-15	1.49567E-12	3.41E-16
272	570590.6	4178239	0.55, 41782	0.26933	0.21289	0.25402	138.182	44.61865	161.93184	17.27275	7.89914	20.24148	1.1E-08	6.99E-06	8.74E-07	3.38E-12	1.02E-11	8.07E-12	5.86E-16	1.41E-14	7.81E-16	1.55091E-14	1.097E-08	6.9892E-06	8.74E-07	3.46087E-12	2.36724E-15	1.72743E-12	3.94E-16
273	570630.6	4178239	0.55, 41782	0.31001	0.25571	0.29378	151.57706	47.88426	180.12829	18.94713	9.37801	22.51604	1.27E-08	7.77E-06	9.72E-07	3.91E-12	1.18E-11	9.33E-12	6.77E-16	1.64E-14	9.03E-16	1.79368E-14	1.268E-08	7.7746E-06	9.72E-07	4.00261E-12	2.73778E-15	1.99783E-12	4.56E-16
274	570670.6	4178239	0.55, 41782	0.35129	0.30919	0.33746	163.01094	51.1286	193.67566	20.37637	10.66356	24.20946	1.46E-08	8.36E-06	1.05E-06	4.5E-12	1.36E-11	1.07E-11	7.78E-16	1.88E-14	1.04E-15	2.06039E-14	1.457E-08	8.3593E-06	1.05E-06	4.59778E-12	3.14488E-15	2.2949E-12	5.23E-16
275	570710.6	4178239	0.55, 41782	0.3879	0.37553	0.37852	161.77129	55.27243	215.9147	21.46966	11.91574	26.98934	1.63E-08	9.32E-06	1.17E-06	5.04E-12	1.52E-11	1.2E-11	8.73E-16	2.11E-14	1.16E-15	2.31113E-14	1.634E-08	9.3191E-06	1.17E-06	5.1573E-12	3.52759E-15	2.57417E-12	5.87E-16
276	570750.6	4178239	0.55, 41782	0.41955	0.45853	0.40652	185.09687	61.2613	243.75059	24.33831	15.0229	31.56234	1.75E-08	1.05E-05	1.36E-06	5.42E-12	1.64E-11	1.29E-11	9.37E-16	2.26E-14	1.25E-15	2.48218E-14	1.755E-08	1.0521E-05	1.36E-06	5.53898E-12	3.78867E-15	2.76468E-12	6.3E-16
277	570790.6	4178239	0.55, 41782	0.45531	0.56517	0.42739	195.76674	71.16962	229.68596	30.0466	17.67317	35.54387	1.85E-08	9.91E-06	1.53E-06	5.69E-12	1.72E-11	1.36E-11	9.85E-16	2.38E-14	1.31E-15	2.60973E-14	1.845E-08	9.9136E-06	1.53E-06	5.82363E-12	3.98336E-15	2.90676E-12	6.63E-16
278	570830.6	4178239	0.55, 41782	0.51729	0.70869	0.46924	186.14136	86.93814	313.42291	30.32646	20.0795	44.72862	2.03E-08	1.35E-05	1.93E-06	6.25E-12	1.89E-11	1.49E-11	1.08E-15	2.61E-14	1.44E-15	2.86542E-14	2.026E-08	1.3528E-05	1.93E-06	6.39418E-12	4.37362E-15	3.19154E-12	7.28E-16
279	570870.6	4178239	0.55, 41782	0.63421	0.91745	0.53024	225.98347	96.3139	311.28977	37.66391	24.81387	41.34654	2.29E-08	1.34E-05	1.78E-06	7.06E-12	2.13E-11	1.68E-11	1.22E-15	2.95E-14	1.63E-15	3.2381E-14	2.289E-08	1.3436E-05	1.78E-06	7.22582E-12	4.94246E-15	3.60664E-12	8.22E-16
280	570910.6	4178239	0.55, 41782	0.85302	1.23442	0.65693	293.13359	117.47886	326.7744	47.06613	30.6738	48.00957	2.84E-08	1.41E-05	2.07E-06	8.75E-12	2.64E-11	2.09E-11	1.51E-15	3.66E-14	2.02E-15	4.01193E-14	2.837E-08	1.4104E-05	2.07E-06	8.95264E-12	6.1236E-15	4.46855E-12	1.02E-15
281	570950.6	4178239	0.55, 41782	1.35023	1.79208	0.88884	455.80102	142.22416	478.03953	68.40553	39.86266	68.50221	3.84E-08	2.06E-05	2.96E-06	1.18E-11	3.58E-11	2.82E-11	2.05E-15	4.95E-14	2.73E-15	5.42844E-14	3.838E-08	2.0633E-05	2.96E-06	1.21136E-11	8.28569E-15	6.04628E-12	1.38E-15
282	570990.6	4178239	0.55, 41782	3.0182	3.06414	1.32054	885.93977	193.04223	771.54657	147.1874	58.20401	96.44332	5.7E-08	3.33E-05	4.16E-06	1.76E-11	5.31E-11	4.2E-11	3.05E-15	7.36E-14	4.06E-15	8.06576E-14	5.703E-08	3.3301E-05	4.16E-06	1.79988E-11	1.23112E-14	8.98376E-12	2.05E-15
283	571030.6	4178239	0.55, 41782	7.70332	4.46365	2.30139	679.65913	243.63294	1123.21669	144.28562	71.78775	156.8655	9.94E-08	4.85E-05	6.77E-06	3.07E-11	9.26E-11	7.31E-11	5.31E-15	1.28E-13	7.08E-15	1.40558E-13	9.938E-08	4.8479E-05	6.77E-06	3.13656E-11	2.14541E-14	1.56556E-11	3.57E-15
284	571110.6	4178239	0.55, 41782	48.37684	13.76668	3.52906	1082.14109	288.2044	2417.61379	441.33003	115.9324	328.07057	1.53E-07	0.000104	1.42E-05	4.71E-11	1.42E-10	1.12E-10	8.14E-15	1.97E-13	1.09E-14	2.15705E-13	1.525E-07	0.00010434	1.42E-05	4.81346E-11	3.2924E-14	2.40255E-11	5.48E-15
285	571150.6	4178239	0.55, 41782	14.38318	6.22649	4.84511	550.93904	192.81003	1871.63269	147.46183	59.89562	339.77194	2.09E-07	8.08E-05	1.47E-05	6.46E-11	1.95E-10	1.54E-10	1.12E-14	2.7E-13	1.49E-14	2.95866E-13	2.092E-07	8.0778E-05	1.47E-05	6.60225E-11	4.51594E-14	3.29539E-11	7.51E-15
286	571190.6	4178239	0.55, 41782	8.08563	4.10425	7.76231	423.01159	138.20819	1326.9025	88.76631	43.45879	203.98194	3.35E-07	5.73E-05	8.8E-06	1.03E-10	3.12E-10	2.47E-10	1.79E-14	4.32E-13	2.39E-14	4.7389E-13	3.351E-07	5.7268E-05	8.8E-06	1.05749E-10	7.23321E-14	5.27826E-11	1.2E-14
287	571230.6	4178239	0.55, 41782	5.48613	3.01374	6.36519	364.79857	99.98669	820.37732	64.1708	32.88659	114.5851	2.75E-07	3.54E-05	4.95E-06	8.48E-11	2.56E-10	2.02E-10	1.47E-14	3.54E-13	1.96E-14	3.88589E-13	2.747E-07	3.5407E-05	4.95E-06	8.67137E-11	5.93121E-14	4.32816E-11	9.87E-15
288	571270.6	4178239	0.55, 41782	3.91656	2.30583	4.21608	308.69657	91.16262	501.73471	42.97299	25.31404	83.35946	1.82E-07	2.17E-05	3.6E-06	5.62E-11	1.7E-10	1.34E-10	9.72E-15	2.35E-13	1.3E-14	2.57393E-13	1.82E-07	2.1655E-05	3.6E-06	5.74372E-11	3.92871E-14	2.86688E-11	6.54E-15
289	571310.6	4178239	0.55, 41782	2.81911	1.80691	2.86031	238.76095	82.99282	368.88984	36.57222	19.65898	61.48164	1.23E-07	1.59E-05	2.65E-06	3.81E-11	1.15E-10	9.09E-11	6.59E-15	1.59E-13	8.79E-15	1.74626E-13	1.235E-07	1.5921E-05	2.65E-06	3.8968E-11	2.66541E-14	1.94502E-11	4.43E-15
290	571350.6	4178239	0.55, 41782	2.07392	1.43877	2.07081	186.98174	75.01218	257.12826	31.16362	15.62493	42.85471	8.94E-08	1.11E-05	1.85E-06	2.76E-11	8.33E-11	6.58E-11	4.77E-15	1.15E-13	6.36E-15	1.26428E-13	8.939E-08	1.1098E-05	1.85E-06	2.82125E-11	1.92974E-14	1.40818E-11	3.21E-15
291	571390.6	4178239	0.55, 41782	1.57003	1.1589	1.56847	153.36435	67.14235	200.39228	25.56072	13.28221	31.13336	6.77E-08	8.65E-06	1.34E-06	2.09E-11	6.31E-11	4.98E-11	3.62E-15	8.73E-14	4.82E-15	9.57602E-14	6.771E-08	8.6493E-06	1.34E-06	2.13689E-11	1.46163E-14	1.06659E-11	2.43E-15
292	571430.6	4178239	0.55, 41782	1.23548	0.94866	1.2378	124.99719	59.46648	164.5542	20.83286	11.6734	24.18073	5.34E-08	7.1E-06	1.04E-06	1.65E-11	4.98E-11	3.93E-11	2.85E-15	6.89E-14	3.8E-15	7.55722E-14	5.343E-08	7.1025E-06	1.04E-06	1.6864E-11	1.15349E-14	8.41734E-12	1.92E-15
293	571470.6	4178239	0.55, 41782	0.99131	0.7845	0.9961	109.3041	54.21436	142.14876	17.2339	10.26711	19.9293	4.3E-08	6.14E-06	8.6E-07	1.33E-11	4.01E-11	3.16E-11	2.3E-15	5.55E-14	3.06E-15	6.08159E-14	4.3E-08	6.1355E-06	8.6E-07	1.35711E-11	9.28262E-15	6.77376E-12	1.54E-15
294	571510.6	4178239	0.55, 41782	0.81688	0.65976	0.82266	100.30585	50.40167	129.05875	14.55844	9.03737	16.96469	3.55E-08	5.57E-06	7.32E-07	1.1E-11	3.31E-11	2.61E-11	1.9E-15	4.58E-14	2.53E-15	5.02268E-14	3.551E-08	5.5705E-06	7.32E-07	1.12081E-11	7.66636E-15	5.59434E-12	1.28E-15
295	571550.6	4178239	0.55, 41782	0.68618	0.56281	0.69258	92.19218	46.80105	116.817	12.52836	7.96128	14.60636	2.99E-08	5.04E-06	6.31E-07	9.23E-12	2.79E-11	2.2E-11	1.6E-15	3.86E-14	2.13E-15	4.2285E-14	2.99E-08	5.0421E-06	6.31E-07	9.43591E-12	6.45416E-15	4.70977E-12	1.07E-15
296	571590.6	4178239	0.55, 41782	0.57854	0.48285	0.58537	84.94405	43.3686	105.85184	10.89629	7.01254	13.23148	2.53E-08	4.57E-06	5.71E-07	7.8E-12	2.35E-11	1.86E-11	1.35E-15	3.26E-14	1.8E-15	3.57395E-14	2.527E-08	4.5689E-06	5.71E-07	7.97528E-12	5.45509E-15	3.98072E-12	9.08E-16
297	570310.6	4178279	0.55, 41782	0.11004	0.07807	0.10589	74.04292	22.79319	77.67346	10.17864	3.64675	10.70288	4.57E-09	3.35E-06	4.62E-07	1.41E-12	4.26E-12	3.36E-12	2.44E-16	5.9E-15	3.25E-16	6.46493E-15	4.571E-09	3.3525E-06	4.62E-07	1.44265E-12	9.86774E-16	7.20073E-13	1.64E-16
298	570350.6	4178279	0.55, 41782	0.12249	0.08802	0.11726	80.9847	23.74961	88.18196	11.08549	3.81596	12.05595	5.06E-09	3.81E-06	5.2E-07	1.56E-12	4.72E-12	3.73E-12	2.7E-16	6.53E-15	3.6E-16	7.15913E-15	5.062E-09	3.8061E-06	5.2E-07	1.59756E-12	1.09273E-15	7.97395E-13	1.82E-16
299	570390.6	4178279	0.55, 41782	0.13757	0.10016	0.13084	86.03589	24.80698	96.47388	11.74551	4.00404	13.13274	5.65E-09	4.16E-06	5.67E-07	1.74E-12	5.26E-12	4.16E-12	3.02E-16	7.28E-15	4.02E-16	7.98827E-15	5.648E-09	4.1639E-06	5.67E-07	1.78258E-12	1.21929E-15	8.89745E-13	2.03E-16
300	570430.6	4178279	0.55, 41782	0.15607	0.11514	0.14747	96.31741	27.84204	100.58043	12.03968	4.46456	13.6645	6.37E-09	4.34E-06	5.9E-07	1.96E-12	5.93E-12	4.69E-12	3.4E-16	8.21E-15	4.53E-16	9.00363E-15	6.366E-09	4.3412E-06	5.9E-07	2.00916E-12	1.37427E-15	1.00284E-12	2.29E-16
301	570470.6	4178279	0.55, 41782	0.17907	0.13378	0.16835	120.52086	33.01708	119.41006	15.06511	5.41696	14.92626	7.27E-09	5.15E-06	6.44E-07	2.24E-12	6.77E-12	5.35E-12	3.88E-16	9.37E-15	5.17E-16	1.02785E-14	7.267E-09	5.1539E-06	6.44E-07	2.29364E-12	1.56885E-15	1.14483E-12	2.61E-16
302	570510.6	4178279	0.55, 41782	0.20795	0.15724	0.19497	141.57577	37.85068	153.41811	17.69697	6.30845	19.17726	8.42E-09	6.62E-06	8.28E-07	2.6E-12	7.84E-12	6.19E-12	4.49E-16	1.09E-14	5.99E-16	1.19038E-14	8.416E-09	6.6217E-06	8.28E-07	2.65633E-12	1.81693E-15	1.32586E-12	3.02E-16
303	570550.6	4178279	0.55, 41782	0.24435	0.18714	0.22876	153.17347	42.50173	177.88461	19.14668	7.08362	22.23558	9.87E-09	7.68E-06	9.6E-07	3.05E-12	9.2E-12	7.27E-12	5.27E-16	1.27E-14	7.03E-16	1.39668E-14	9.875E-09	7.6777E-06	9.6E-07	3.1167E-12	2.13183E-15	1.55565E-12	3.55E-16
304	570590.6	4178279	0.55, 41782	0.28993	0.22577	0.27077	157.86485	46.41285	177.78268	19.73311	7.73548	22.22284	1.17E-08	7.67E-06	9.59E-07	3.61E-12	1.09E-11	8.6E-12	6.24E-16	1.51E-14	8.32E-16	1.65318E-14	1.169E-08	7.6733E-06	9.59E-07	3.68908E-12	2.52333E-15	1.84134E-12	4.2E-16
305	570630.6	4178279	0.55, 41782	0.34541	0.27631	0.32199	169.89337	50.77009	212.69617	21.23667	9.57894	26.58702	1.39E-08	9.18E-06	1.15E-06	4.29E-12	1.3E-11	1.02E-11	7.42E-16	1.79E-14	9.9E-16	1.96591E-14	1.39E-08	9.1802E-06	1.15E-06	4.38695E-12	3.00067E-15	2.18966E-12	4.99E-16
306	570670.6	4178279	0.55, 41782	0.40869	0.34273	0.38328	189.16159	55.36754	226.13934	23.6452	11.64813	28.26742	1.65E-08	9.76E-06	1.22E-06	5.11E-12	1.54E-11	1.22E-11	8.83E-16	2.13E-14	1.18E-15	2.34014E-14	1.655E-08	9.7604E-06	1.22E-06	5.22204E-12	3.57187E-15	2.60648E-12	5.94E-16
307	570710.6	4178279	0.55, 41782	0.47241	0.42944	0.45188	202.37611	59.97812	249.97635	25.29701	13.4468	31.24704	1.95E-08	1.08E-05	1.35E-06	6.02E-12	1.82E-11	1.44E-11	1.04E-15	2.52E-14	1.39E-15	2.75902E-14	1.951E-08	1.0789E-05	1.35E-06	6.15676E-12	4.21123E-15	3.07304E-12	7.01E-16
308	570750.6	4178279	0.55, 41782	0.52143	0.53099	0.51003	207.36077	66.44988	280.46815	28.38204	16.35494	35.05852	2.2E-08	1.21E-05	1.51E-06	6.79E-12	2.05E-11	1.62E-11	1.18E-15	2.84E-14	1.57E-15	3.11413E-14	2.202E-08	1.2105E-05	1.51E-06	6.9492E-12	4.75325E-15	3.46857E-12	7.91E-16
309	570790.6	4178279	0.55, 41782	0.56782	0.69623	0.54766	217.33897	75.80804	318.83899	33.24185	20.36018	42.96761	2.36E-08	1.38E-05	1.85E-06	7.3E-12	2.2E-11	1.74E-11	1.26E-15	3.05E-14	1.68E-15	3.34408E-14	2.364E-08	1.3761E-05	1.85E-06	7.46233E-12	5.10424E-15	3.72469E-12	8.49E-16
310	570830.6	4178279	0.55, 41782	0.62461	0.91706	0.58168	236.67869	94.57659	403.572	34.09074	24.90976	60.93237	2.51E-08	1.74E-05	2.63E-06	7.75E-12	2.34E-11	1.85E-11	1.34E-15	3.24E-14	1.79E-15	3.55209E-14	2.511E-08	1.7418E-05	2.63E-06	7.92649E-12	5.42172E-15	3.95636E-12	9.02E-16
311	570870.6	4178279	0.55, 41782	0.74364	1.27032	0.64347	232.57719	121.10786	430.4482	38.76287	29.17824	53.80602	2.78E-08	1.86E-05	2.32E-06	8.57E-12	2.59E-11	2.04E-11	1.48E-15	3.58E-14	1.98E-15	3.92981E-14	2.778E-08	1.8579E-05	2.32E-06	8.76938E-12	5.99825E-15	4.37708E-12	9.98E-16
312	570910.6	4178279	0.55, 41782	0.98087	1.94043	0.78377	289.58181	139.00222	423.1545	48.26363	45.30681	59.61258	3.38E-08	1.83E-05	2.57E-06	1.04E-11	3.15E-11	2.49E-11	1.81E-15	4.37E-14	2.41E-15	4.78725E-14	3.385E-08	1.8264E-05	2.57E-06	1.06828E-11	7.30701E-15	5.33211E-12	1.22E-15
313	570950.6	4178279	0.55, 41782	1.54705	3.33468	1.05206	380.89662	209.14004	464.4183	63.48277	60.99964	77.40305	4.54E-08	2E-05	3.34E-06	1.4E-11	4.23E-11	3.34E-11	2.43E-15	5.86E-14	3.24E-15	6.4271E-14	4.544E-08	2.0046E-05	3.34E-06	1.43421E-11	9.80999E-15	7.1586E-12	1.63E-15
314	571150.6	4178279	0.55, 41782	125.5821	15.27099	61.53709	2183.625	235.47088	4321.7852	1020.3296	115.3363	966.08792	2.66E-06	0.000187	4.17E-05	8.2E-10	2.47E-09	1.95E-09	1.42E-13	3.43E-12	1.89E-13	3.75669E-12	2.656E-06	0.00018652	4.17E-05	8.38307E-10	5.73402E-13	4.18426E-10	9.54E-14
315	571190.6	4178279	0.55, 41782	19.14498	7.50998	20.68123	704.1647	157.76938	1300.13062	186.41477	61.8786	262.75525	8.93E-07	5.61E-05	1.13E-05	2.75E-10	8.32E-10	6.57E-10	4.77E-14	1.15E-12	6.36E-14	1.26254E-12	8.927E-07	5.6113E-05	1.13E-05	2.81735E-10	1.92707E-13	1.40623E-10	3.21E-14
316	571230.6	4178279	0.55, 41782	9.41744	4.44398	9.68706	418.2482	120.63814	710.71948	87.01567	39.51148	138.35634	4.18E-07	3.07E-05	5.97E-06	1.29E-10	3.9E-10	3.08E-10	2.23E-14	5.39E-13	2.98E-14	5.91385E-13	4.181E-07	3.0675E-05	5.97E-06	1.31968E-10	9.02659E-14	6.58693E-11	1.5E-14
317	571270.6	4178279	0.55, 41782	5.33507	3.02277	5.65407	265.61255	99.06709	486.13138	58.88721	29.56115	89.94232	2.44E-07	2.1E-05	3.88E-06	7.53E-11	2.27E-10	1.8E-10	1.3E-14	3.15E-13	1.74E-14	3.45181E-13	2.441E-07	2.0982E-05	3.88E-06	7.70273E-11	5.26867E-14	3.84468E-11	8.77E-15
318	571310.6	4178279	0.55, 41782	3.44949	2.20529	3.73581	197.38222	83.78037	349.19747	42.40574	23.44903	62.97539	1.61E-07	1.51E-05	2.72E-06	4.98E-11	1.5E-10	1.19E-10	8.61E-15	2.08E-13	1.15E-14	2.28074E-13	1.613E-07	1.5072E-05	2.72E-06	5.08949E-11	3.48121E-14	2.54033E-11	5.79E-15
319	571350.6	4178279	0.55, 41782	2.42474	1.67304	2.63741	164.77993	74.08708	262.11907	31.82391	19.20475	45.98547	1.14E-07	1.13E-05	1.98E-06	3.51E-11	1.06E-10	8.38E-11	6.08E-15	1.47E-13	8.11E-15	1.61018E-13	1.138E-07	1.1313E-05	1.98E-06	3.59312E-11	2.45769E-14	1.79344E-11	4.09E-15
320	571390.6	4178279	0.55, 41782	1.80332	1.30805	1.94946	139.62437	66.18564	204.22507	24.75802	16.07748	34.84377	8.41E-08	8.81E-06	1.5E-06	2.6E-11	7.84E-11	6.19E-11	4.49E-15	1.09E-13	5.99E-15	1.19019E-13	8.415E-08	8.8147E-06	1.5E-06	2.6559E-11	1.81664E-14	1.32565E-11	3.02E-15
321	571430.6	4178279	0.55, 41782	1.38872	1.04688	1.49158	120.07885	59.47148	164.54693	19.78612	13.66223	27.17412	6.44E-08	7.1E-06	1.17E-06	1.99E-11	6E-11	4.74E-11	3.44E-15	8.3E-14	4.58E-15	9.10648E-14	6.439E-08	7.1022E-06	1.17E-06	2.03211E-11	1.38997E-14	1.01429E-11	2.31E-15
322	571470.6	4178279	0.55, 41782	1.11171	0.86066	1.18684	104.95004	53.66694	136.91558	16.34545	11.81303	21.87493	5.12E-08	5.91E-06	9.44E-07	1.58E-11	4.77E-11	3.77E-11	2.74E-15	6.61E-14	3.65E-15	7.246E-14	5.123E-08	5.9096E-06	9.44E-07	1.61695E-11	1.10599E-14	8.07071E-12	1.84E-15
323	571510.6	4178279	0.55, 41782	0.90331	0.71725	0.95952	92.95227	48.50847	116.77816	13.70064	10.27697	17.93941	4.14E-08	5.04E-06	7.74E-07	1.28E-11	3.86E-11	3.05E-11	2.21E-15	5.34E-14	2.95E-15	5.85818E-14	4.142E-08	5.0405E-06	7.74E-07	1.30726E-11	8.94163E-15	6.52493E-12	1.49E-15
324	571550.6	4178279	0.55, 41782	0.74685	0.60641	0.79002	83.35854	43.88956	102.16829	11.6678	9.00306	14.97338	3.41E-08	4.41E-06	6.46E-07	1.05E-11	3.18E-11	2.51E-11	1.82E-15	4.4E-14	2.43E-15	4.82335E-14	3.41E-08	4.4099E-06	6.46E-07	1.07633E-11	7.36212E-15	5.37232E-12	1.22E-15
325	571590.6	4178279	0.55, 41782	0.63093	0.52161	0.66513	75.57295	41.1264	91.05382	10.11638	7.96472	12.7323	2.87E-08	3.93E-06	5.5E-07	8.86E-12	2.68E-11	2.11E-11	1.53E-15	3.7E-14	2.04E-15	4.06087E-14	2.871E-08	3.9302E-06	5.5E-07	9.06185E-12	6.19831E-15	4.52306E-12	1.03E-15
326	570310.6	4178319	0.55, 41783	0.1112	0.07908	0.10686	65.67409	25.12162	71.57917	10.72274	3.92383	11.92986	4.61E-09	3.09E-06	5.15E-07	1.42E-12	4.3E-12	3.39E-12	2.46E-16	5.95E-15	3.28E-16	6.52416E-15	4.613E-09	3.0895E-06	5.15E-07	1.45587E-12	9.95814E-16	7.2667E-13	1.66E-16
327	570350.6	4178319	0.55, 41783	0.12381	0.08915	0.11863	72.99363	26.3644	78.028	10.96785	4.13077	12.26515	5.12E-09	3.37E-06	5.29E-07	1.58E-12	4.77E-12	3.77E-12	2.73E-16	6.6E-15	3.65E-16	7.24278E-15	5.121E-09	3.3679E-06	5.29E-07	1.61623E-12	1.1055E-15	8.06711E-13	1.84E-16
328	570390.6	4178319	0.55, 41783	0.13907	0.1015	0.13256	85.61577	27.73961	87.79758	11.84211	4.3586	12.34233	5.72E-09	3.79E-06	5.33E-07	1.77E-12	5.33E-12	4.21E-12	3.06E-16	7.38E-15	4.07E-16	8.09328E-15	5.722E-09	3.7895E-06	5.33E-07	1.80602E-12	1.23532E-15	9.01441E-13	2.06E-16
329	570430.6	4178319	0.55, 41783	0.15783	0.11689	0.14946	97.99246	29.27563	105.83642	13.47747	4.61214	14.5399	6.45E-09	4.57E-06	6.28E-07	1.99E-12	6.01E-12	4.75E-12	3.44E-16	8.32E-15	4.59E-16	9.12513E-15	6.452E-09	4.5681E-06	6.28E-07	2.03628E-12	1.39281E-15	1.01637E-12	2.32E-16
330	570470.6	4178319	0.55, 41783	0.18134	0.13633	0.17027	108.90086	31.01454	122.78	14.92794	4.89871	16.74752	7.35E-09	5.3E-06	7.23E-07	2.27E-12	6.85E-12	5.41E-12	3.92E-16	9.48E-15	5.23E-16	1.03957E-14	7.35E-09	5.2993E-06	7.23E-07	2.31981E-12	1.58675E-15	1.15789E-12	2.64E-16
331	570510.6	4178319	0.55, 41783	0.21129	0.16124	0.19656	118.40452	33.29424	135.32696	15.9306	5.40834	18.39398	8.48E-09	5.84E-06	7.94E-07	2.62E-12	7.91E-12	6.24E-12	4.53E-16	1.09E-14	6.04E-16	1.20009E-14	8.485E-09	5.8409E-06	7.94E-07	2.678E-12	1.83175E-15	1.33668E-12	3.05E-16
332	570550.6	4178319	0.55, 41783	0.2503	0.19368	0.23096	153.9338	39.94632	153.89508	19.24172	6.62991	19.23689	9.97E-09	6.64E-06	8.3E-07	3.08E-12	9.29E-12	7.34E-12	5.32E-16	1.29E-14	7.1E-16	1.41012E-14	9.97E-09	6.6423E-06	8.3E-07	3.1467E-12	2.15234E-15	1.57062E-12	3.58E-16
333	570590.6	4178319	0.55, 41783	0.30196	0.23671	0.27701	186.54438	46.61587	209.37606	23.31805	7.76931	26.17201	1.2E-08	9.04E-06	1.13E-06	3.69E-12	1.11E-11	8.8E-12	6.38E-16	1.54E-14	8.51E-16	1.69129E-14	1.196E-08	9.0368E-06	1.13E-06	3.77411E-12	2.58149E-15	1.88378E-12	4.3E-16
334	570630.6	4178319	0.55, 41783	0.37105	0.29503	0.3391	205.0145	52.79857	247.59232	25.62681	8.79976	30.94904	1.46E-08	1.07E-05	1.34E-06	4.52E-12	1.36E-11	1.08E-11	7.82E-16	1.89E-14	1.04E-15	2.07039E-14	1.464E-08	1.0686E-05	1.34E-06	4.62008E-12	3.16013E-15	2.30603E-12	5.26E-16
335	570670.6	4178319	0.55, 41783	0.462	0.37572	0.42024	218.45656	59.57781	273.51496	27.30707	11.98561	34.18937	1.81E-08	1.18E-05	1.48E-06	5.6E-12	1.69E-11	1.34E-11	9.69E-16	2.34E-14	1.29E-15	2.56581E-14	1.814E-08	1.1805E-05	1.48E-06	5.72561E-12	3.91631E-15	2.85783E-12	6.52E-16
336	570710.6	4178319	0.55, 41783	0.57218	0.48827	0.5224	242.44958	66.62286	291.17197	30.3062	15.15553	36.3965	2.26E-08	1.26E-05	1.57E-06	6.96E-12	2.1E-11	1.66E-11	1.2E-15	2.91E-14	1.61E-15	3.18958E-14	2.255E-08	1.2567E-05	1.57E-06	7.11757E-12	4.86841E-15	3.5526E-12	8.1E-16
337	570750.6	4178319	0.55, 41783	0.67767	0.63416	0.63666	262.41203	72.71034	341.04886	32.8015	17.84948	42.63111	2.75E-08	1.47E-05	1.84E-06	8.48E-12	2.56E-11	2.02E-11	1.47E-15	3.54E-14	1.96E-15	3.88727E-14	2.748E-08	1.472E-05	1.84E-06	8.67445E-12	5.93333E-15	4.3297E-12	9.87E-16
338	570790.6	4178319	0.55, 41783	0.76041	0.85502	0.73352	285.66779	86.45349	381.79277	42.9347	23.67926	50.68659	3.17E-08	1.65E-05	2.19E-06	9.77E-12	2.95E-11	2.33E-11	1.69E-15	4.08E-14	2.25E-15	4.47885E-14	3.167E-08	1.6478E-05	2.19E-06	9.99457E-12	6.83629E-15	4.98861E-12	1.14E-15
339	570830.6	4178319	0.55, 41783	0.82107	1.23378	0.77266	302.59427	109.05103	424.78874	45.07728	29.79255	65.49858	3.34E-08	1.83E-05	2.83E-06	1.03E-11	3.11E-11	2.46E-11	1.78E-15	4.3E-14	2.38E-15	4.71835E-14	3.336E-08	1.8334E-05	2.83E-06	1.0529E-11	7.20184E-15	5.25536E-12	1.2E-15
340	570870.6	4178319	0.55, 41783	0.93174	1.8881	0.81484	263.71888	150.69846	583.61	37.23183	42.82711	79.94464	3.52E-08	2.52E-05	3.45E-06	1.09E-11	3.28E-11	2.59E-11	1.88E-15	4.54E-14	2.51E-15	4.97682E-14	3.519E-08	2.5189E-05	3.45E-06	1.11058E-11	7.59636E-15	5.54325E-12	1.26E-15
341	570910.6	4178319	0.55, 41783	1.19482	3.5981	0.94641	225.26352	195.84246	582.08496	37.31993	59.22953	72.76062	4.09E-08	2.51E-05	3.14E-06	1.26E-11	3.81E-11	3.01E-11	2.18E-15	5.27E-14	2.91E-15	5.78255E-14	4.088E-08	2.5124E-05	3.14E-06	1.29038E-11	8.82618E-15	6.44068E-12	1.47E-15
342	571190.6	4178319	0.55, 41783	29.13102	9.74239	24.19825	1204.46355	192.40018	1781.17361	337.10397	86.14095	400.692	1.04E-06	7.69E-05	1.73E-05	3.22E-10	9.73E-10	7.69E-10	5.58E-14	1.35E-12	7.44E-14	1.47727E-12	1.044E-06	7.6874E-05	1.73E-05	3.29653E-10	2.25482E-13	1.6454E-10	3.75E-14
343	571230.6	4178319	0.55, 41783	10.45163	5.25398	11.58574	479.33008	117.37647	725.29291	126.19986	44.06446	185.38424	5E-07	3.13E-05	8E-06	1.54E-10	4.66E-10	3.68E-10	2.67E-14	6.45E-13	3.56E-14	7.07295E-13	5.001E-07	3.1304E-05	8E-06	1.57833E-10	1.07958E-13	7.87796E-11	1.8E-14
344	571270.6	4178319	0.55, 41783	5.72808	3.4301	6.64009	292.22118	96.9874	479.91721	63.79547	33.00222	105.59121	2.87E-07	2.07E-05	4.56E-06	8.84E-11	2.67E-10	2.11E-10	1.53E-14	3.7E-13	2.04E-14	4.05375E-13	2.866E-07	2.0713E-05	4.56E-06	9.04596E-11	6.18744E-14	4.51513E-11	1.03E-14
345	571310.6	4178319	0.55, 41783	3.67711	2.43151	4.23514	175.48484	83.52768	339.71763	43.52526	25.92364	69.01312	1.83E-07	1.47E-05	2.98E-06	5.64E-11	1.7E-10	1.35E-10	9.76E-15	2.36E-13	1.3E-14	2.58558E-13	1.828E-07	1.4662E-05	2.98E-06	5.76972E-11	3.94649E-14	2.87985E-11	6.57E-15
346	571350.6	4178319	0.55, 41783	2.57847	1.81872	2.91777	135.74456	73.58424	245.66728	31.86463	21.08438	47.561	1.26E-07	1.06E-05	2.05E-06	3.89E-11	1.17E-10	9.27E-11	6.72E-15	1.62E-13	8.97E-15	1.78134E-13	1.259E-07	1.0603E-05	2.05E-06	3.97506E-11	2.71894E-14	1.98408E-11	4.52E-15
347	571390.6	4178319	0.55, 41783	1.91038	1.41202	2.12389	114.67965	65.84745	189.40245	24.95277	17.54375	35.6451	9.17E-08	8.17E-06	1.54E-06	2.83E-11	8.54E-11	6.75E-11	4.9E-15	1.18E-13	6.53E-15	1.29668E-13	9.168E-08	8.175E-06	1.54E-06	2.89354E-11	1.97918E-14	1.44426E-11	3.29E-15
348	571430.6	4178319	0.55, 41783	1.47151	1.12853	1.61377	100.57811	59.61061	161.57422	20.18585	14.84739	27.57311	6.97E-08	6.97E-06	1.19E-06	2.15E-11	6.49E-11	5.13E-11	3.72E-15	8.98E-14	4.96E-15	9.85247E-14	6.966E-08	6.9739E-06	1.19E-06	2.19858E-11	1.50383E-14	1.09738E-11	2.5E-15
349	571470.6	4178319	0.55, 41783	1.16585	0.92218	1.2649	90.09229	54.43044	139.38169	16.69193	12.71837	21.87498	5.46E-08	6.02E-06	9.44E-07	1.68E-11	5.09E-11	4.02E-11	2.92E-15	7.04E-14	3.89E-15	7.72259E-14	5.46E-08	6.016E-06	9.44E-07	1.7233E-11	1.17874E-14	8.60153E-12	1.96E-15
350	571510.6	4178319	0.55, 41783	0.94595	0.76805	1.01773	81.52103	50.05282	121.69	14.06823	11.00608	17.76049	4.39E-08	5.25E-06	7.67E-07	1.36E-11	4.09E-11	3.23E-11	2.35E-15	5.67E-14	3.13E-15	6.21358E-14	4.393E-08	5.2525E-06	7.67E-07	1.38656E-11	9.48409E-15	6.92078E-12	1.58E-15
351	571550.6	4178319	0.55, 41783	0.78212	0.64956	0.83556	74.38547	46.28731	107.35752	12.02264	9.59923	14.66288	3.61E-08	4.63E-06	6.33E-07	1.11E-11	3.36E-11	2.65E-11	1.93E-15	4.65E-14	2.57E-15	5.1014E-14	3.607E-08	4.6339E-06	6.33E-07	1.13838E-11	7.78652E-15	5.68202E-12	1.3E-15
352	571590.6	4178319	0.55, 41783	0.65442	0.55508	0.69496	68.29245	42.98116	95.34122	10.3334	8.40789	12.26582	3E-08	4.12E-06	5.29E-07	9.26E-12	2.8E-11	2.21E-11	1.6E-15	3.87E-14	2.14E-15	4.24301E-14	3E-08	4.1152E-06	5.29E-07	9.46829E-12	6.47631E-15	4.72593E-12	1.08E-15
353	570310.6	4178359	0.55, 41783	0.11229	0.07993	0.10794	69.29068	26.58817	75.81746	11.54845	4.0095	12.46153	4.66E-09	3.27E-06	5.38E-07	1.44E-12	4.34E-12	3.43E-12	2.49E-16	6.01E-15	3.32E-16	6.5901E-15	4.659E-09	3.2725E-06	5.38E-07	1.47058E-12	1.00588E-15	7.34015E-13	1.67E-16
354	570350.6	4178359	0.55, 41783	0.12531	0.09043	0.1201	75.30937	28.06345	82.61098	12.55156	4.25756	13.7685	5.18E-09	3.57E-06	5.94E-07	1.6E-12	4.83E-12	3.82E-12	2.77E-16	6.69E-15	3.69E-16	7.33253E-15	5.184E-09	3.5657E-06	5.94E-07	1.63626E-12	1.1192E-15	8.16708E-13	1.86E-16
355	570390.6	4178359	0.55, 41783	0.14084	0.10296	0.13441	81.29058	29.71471	90.82388	13.54843	4.53386	15.13731	5.8E-09	3.92E-06	6.53E-07	1.79E-12	5.41E-12	4.27E-12	3.1E-16	7.48E-15	4.13E-16	8.20623E-15	5.802E-09	3.9201E-06	6.53E-07	1.83122E-12	1.25256E-15	9.14022E-13	2.08E-16
356	570430.6	4178359	0.55, 41783	0.15989	0.11858	0.15186	87.11605	31.54887	98.44842	14.51934	4.83992	16.40807	6.56E-09	4.25E-06	7.08E-07	2.02E-12	6.11E-12	4.82E-12	3.5E-16	8.45E-15	4.67E-16	9.27165E-15	6.555E-09	4.2492E-06	7.08E-07	2.06897E-12	1.41518E-15	1.03269E-12	2.35E-16
357	570470.6	4178359	0.55, 41783	0.18374	0.13844	0.17326	97.3598	33.59814	106.34308	15.36354	5.1813	17.51553	7.48E-09	4.59E-06	7.56E-07	2.31E-12	6.97E-12	5.5E-12	3.99E-16	9.65E-15	5.32E-16	1.05783E-14	7.479E-09	4.59E-06	7.56E-07	2.36054E-12	1.61461E-15	1.17822E-12	2.69E-16
358	570510.6	4178359	0.55, 41783	0.21432	0.16421	0.20002	118.04415	35.93263	125.3205	16.48105	5.5698	18.1537	8.63E-09	5.41E-06	7.84E-07	2.66E-12	8.04E-12	6.35E-12	4.61E-16	1.11E-14	6.15E-16	1.22121E-14	8.634E-09	5.409E-06	7.84E-07	2.72514E-12	1.864E-15	1.36021E-12	3.1E-16
359	570550.6	4178359	0.55, 41783	0.25472	0.19842	0.23435	139.50155	38.63371	157.96544	19.4148	6.01971	21.81117	1.01E-08	6.82E-06	9.42E-07	3.12E-12	9.43E-12	7.45E-12	5.4E-16	1.3E-14	7.2E-16	1.43082E-14	1.012E-08	6.818E-06	9.42E-07	3.19289E-12	2.18394E-15	1.59367E-12	3.63E-16
360	570590.6	4178359	0.55, 41783	0.30979	0.24497	0.28017	159.83108	41.83842	190.36526	22.23989	6.84975	26.13545	1.21E-08	8.22E-06	1.13E-06	3.73E-12	1.13E-11	8.9E-12	6.46E-16	1.56E-14	8.61E-16	1.71059E-14	1.209E-08	8.2163E-06	1.13E-06	3.81719E-12	2.61096E-15	1.90528E-12	4.34E-16
361	570630.6	4178359	0.55, 41783	0.38734	0.31015	0.34391	206.43147	51.05257	211.21178	25.80393	8.50876	28.98998	1.48E-08	9.12E-06	1.25E-06	4.58E-12	1.38E-11	1.09E-11	7.93E-16	1.91E-14	1.06E-15	2.09977E-14	1.485E-08	9.1161E-06	1.25E-06	4.68565E-12	3.20499E-15	2.33876E-12	5.33E-16
362	570670.6	4178359	0.55, 41783	0.50063	0.40488	0.43681	262.98595	60.70684	312.78941	32.87324	10.74505	39.09868	1.89E-08	1.35E-05	1.69E-06	5.82E-12	1.76E-11	1.39E-11	1.01E-15	2.43E-14	1.34E-15	2.667E-14	1.886E-08	1.35E-05	1.69E-06	5.95142E-12	4.07077E-15	2.97054E-12	6.77E-16
363	570710.6	4178359	0.55, 41783	0.66972	0.54814	0.57453	304.17814	72.14807	380.66102	38.02227	15.71205	47.58263	2.48E-08	1.64E-05	2.05E-06	7.65E-12	2.31E-11	1.83E-11	1.32E-15	3.2E-14	1.77E-15	3.50789E-14	2.48E-08	1.6429E-05	2.05E-06	7.82788E-12	5.35427E-15	3.90714E-12	8.91E-16
364	570750.6	4178359	0.55, 41783	0.90523	0.76876	0.77041	339.35657	85.82023	445.46467	44.72327	21.31802	55.68308	3.33E-08	1.92E-05	2.4E-06	1.03E-11	3.1E-11	2.45E-11	1.78E-15	4.29E-14	2.37E-15	4.70393E-14	3.326E-08	1.9226E-05	2.4E-06	1.04968E-11	7.17983E-15	5.2393E-12	1.19E-15
365	570790.6	4178359	0.55, 41783	1.13154	1.06104	0.98839	377.53193	96.31599	507.3356	54.94081	27.90141	63.41695	4.27E-08	2.19E-05	2.74E-06	1.32E-11	3.98E-11	3.14E-11	2.28E-15	5.5E-14	3.04E-15	6.03496E-14	4.267E-08	2.1897E-05	2.74E-06	1.3467E-11	9.21145E-15	6.72183E-12	1.53E-15
366	570830.6	4178359	0.55, 41783	1.33226	1.74963	1.18947	411.58415	139.14147	649.42864	69.46909	37.35577	97.59965	5.14E-08	2.8E-05	4.21E-06	1.58E-11	4.78E-11	3.78E-11	2.74E-15	6.62E-14	3.66E-15	7.26343E-14	5.135E-08	2.803E-05	4.21E-06	1.62084E-11	1.10865E-14	8.09012E-12	1.84E-15
367	570870.6	4178359	0.55, 41783	1.45984	3.38436	1.19217	346.78431	184.49712	847.26971	52.43952	61.49528	124.03925	5.15E-08	3.66E-05	5.35E-06	1.59E-11	4.8E-11	3.79E-11	2.75E-15	6.64E-14	3.67E-15	7.2824E-14	5.149E-08	3.6568E-05	5.35E-06	1.62507E-11	1.11155E-14	8.11124E-12	1.85E-15
368	571150.6	4178359	0.55, 41783	17.36196	17.82412	10.70274	1537.79423	258.8776	2153.28101	350.34789	128.93656	372.67701	4.62E-07	9.29E-05	1.61E-05	1.43E-10	4.31E-10	3.4E-10	2.47E-14	5.96E-13	3.29E-14	6.53598E-13	4.621E-07	9.2935E-05	1.61E-05	1.4585E-10	9.97617E-14	7.27986E-11	1.66E-14
369	571190.6	4178359	0.55, 41783	10.35157	8.16971	8.42586	590.93034	162.31709	1380.32388	161.82999	76.08872	218.22557	3.64E-07	5.96E-05	9.42E-06	1.12E-10	3.39E-10	2.68E-10	1.94E-14	4.69E-13	2.59E-14	5.14459E-13	3.637E-07	5.9574E-05	9.42E-06	1.14802E-10	7.85243E-14	5.73011E-11	1.31E-14
370	571230.6	4178359	0.55, 41783	6.41954	4.85697	6.11014	429.96716	118.18476	649.38165	103.83364	47.29307	136.54892	2.64E-07	2.8E-05	5.89E-06	8.14E-11	2.46E-10	1.94E-10	1.41E-14	3.4E-13	1.88E-14	3.73049E-13	2.638E-07	2.8027E-05	5.89E-06	8.32461E-11	5.69403E-14	4.15508E-11	9.47E-15
371	571270.6	4178359	0.55, 41783	4.24607	3.28764	4.46672	330.34534	97.41521	669.03521	71.25122	30.79477	101.30501	1.93E-07	2.89E-05	4.37E-06	5.95E-11	1.8E-10	1.42E-10	1.03E-14	2.49E-13	1.37E-14	2.72707E-13	1.928E-07	2.8875E-05	4.37E-06	6.08547E-11	4.16246E-14	3.03745E-11	6.93E-15
372	571310.6	4178359	0.55, 41783	3.01802	2.39332	3.29044	280.32399	84.30249	476.5001	47.38187	23.6076	69.83839	1.42E-07	2.06E-05	3.01E-06	4.38E-11	1.32E-10	1.05E-10	7.58E-15	1.83E-13	1.01E-14	2.00891E-13	1.42E-07	2.0566E-05	3.01E-06	4.48289E-11	3.0663E-14	2.23755E-11	5.1E-15
373	571350.6	4178359	0.55, 41783	2.25439	1.82521	2.47896	223.1696	75.03337	276.07803	32.74083	19.24184	47.29925	1.07E-07	1.19E-05	2.04E-06	3.3E-11	9.97E-11	7.88E-11	5.71E-15	1.38E-13	7.62E-15	1.51348E-13	1.07E-07	1.1916E-05	2.04E-06	3.37734E-11	2.3101E-14	1.68574E-11	3.84E-15
374	571390.6	4178359	0.55, 41783	1.7395	1.43625	1.90839	164.0034	68.00709	177.73654	25.39154	16.17569	38.72375	8.24E-08	7.67E-06	1.67E-06	2.54E-11	7.68E-11	6.06E-11	4.4E-15	1.06E-13	5.87E-15	1.16513E-13	8.238E-08	7.6716E-06	1.67E-06	2.6E-11	1.7784E-14	1.29774E-11	2.96E-15
375	571430.6	4178359	0.55, 41783	1.37666	1.15767	1.50113	113.66708	62.41604	162.05892	21.33563	13.79366	30.03325	6.48E-08	6.99E-06	1.3E-06	2E-11	6.04E-11	4.77E-11	3.46E-15	8.36E-14	4.61E-15	9.16494E-14	6.48E-08	6.9948E-06	1.3E-06	2.04516E-11	1.39889E-14	1.0208E-11	2.33E-15
376	571470.6	4178359	0.55, 41783	1.11313	0.95193	1.20554	91.64258	57.80687	139.39839	17.74486	11.89568	22.85385	5.2E-08	6.02E-06	9.87E-07	1.61E-11	4.85E-11	3.83E-11	2.78E-15	6.71E-14	3.71E-15	7.36029E-14	5.204E-08	6.0168E-06	9.87E-07	1.64245E-11	1.12344E-14	8.198E-12	1.87E-15
377	571510.6	4178359	0.55, 41783	0.9166	0.79605	0.98663	82.11168	53.90312	116.32041	14.64829	10.35284	20.08654	4.26E-08	5.02E-06	8.67E-07	1.31E-11	3.97E-11	3.13E-11	2.27E-15	5.49E-14	3.03E-15	6.02378E-14	4.259E-08	5.0208E-06	8.67E-07	1.34421E-11	9.19439E-15	6.70938E-12	1.53E-15
378	571550.6	4178359	0.55, 41783	0.76622	0.67498	0.82026	72.9064	50.52239	102.58687	12.13868	9.07968	17.28494	3.54E-08	4.43E-06	7.46E-07	1.09E-11	3.3E-11	2.61E-11	1.89E-15	4.57E-14	2.52E-15	5.00805E-14	3.541E-08	4.428E-06	7.46E-07	1.11755E-11	7.64402E-15	5.57804E-12	1.27E-15
379	571590.6	4178359	0.55, 41783	0.64386	0.57575	0.68602	65.94968	47.48497	92.44167	10.99161	8.00686	15.40694	2.96E-08	3.99E-06	6.65E-07	9.14E-12	2.76E-11	2.18E-11	1.58E-15	3.82E-14	2.11E-15	4.18847E-14	2.961E-08	3.9901E-06	6.65E-07	9.34659E-12	6.39306E-15	4.66518E-12	1.06E-15
380	570310.6	4178399	0.55, 41783	0.11287	0.08031	0.1093	71.34246	27.87564	79.43468	11.89041	3.82503	13.23911	4.72E-09	3.43E-06	5.72E-07	1.46E-12	4.4E-12	3.47E-12	2.52E-16	6.09E-15	3.36E-16	6.67312E-15	4.718E-09	3.4286E-06	5.72E-07	1.48911E-12	1.01855E-15	7.43262E-13	1.69E-16
381	570350.6	4178399	0.55, 41783	0.12665	0.09175	0.12214	75.96419	29.57043	83.22909	12.46202	4.12173	13.80548	5.27E-09	3.59E-06	5.96E-07	1.63E-12	4.91E-12	3.88E-12	2.82E-16	6.8E-15	3.75E-16	7.45707E-15	5.272E-09	3.5924E-06	5.96E-07	1.66405E-12	1.13821E-15	8.3058E-13	1.89E-16
382	570390.6	4178399	0.55, 41783	0.1425	0.10434	0.13672	83.29233	31.439	92.96873	13.04897	4.44958	14.404	5.9E-09	4.01E-06	6.22E-07	1.82E-12	5.5E-12	4.34E-12	3.15E-16	7.61E-15	4.2E-16	8.34726E-15	5.902E-09	4.0127E-06	6.22E-07	1.86269E-12	1.27408E-15	9.2973E-13	2.12E-16
383	570430.6	4178399	0.55, 41783	0.16211	0.12032	0.15453	91.32735	33.521	103.76057	14.59534	4.81492	15.65812	6.67E-09	4.48E-06	6.76E-07	2.06E-12	6.22E-12	4.91E-12	3.56E-16	8.6E-15	4.75E-16	9.43466E-15	6.671E-09	4.4785E-06	6.76E-07	2.10535E-12	1.44006E-15	1.05085E-12	2.4E-16
384	570470.6	4178399	0.55, 41783	0.18668	0.14051	0.17655	100.43451	35.89015	115.76296	16.57018	5.22899	18.35818	7.62E-09	5E-06	7.92E-07	2.35E-12	7.1E-12	5.61E-12	4.07E-16	9.83E-15	5.43E-16	1.07791E-14	7.621E-09	4.9965E-06	7.92E-07	2.40536E-12	1.64527E-15	1.20059E-12	2.74E-16
385	570510.6	4178399	0.55, 41783	0.21834	0.16684	0.20421	112.76596	38.62084	128.93318	18.79433	5.70408	21.48886	8.82E-09	5.56E-06	9.28E-07	2.72E-12	8.21E-12	6.49E-12	4.71E-16	1.14E-14	6.28E-16	1.24679E-14	8.815E-09	5.565E-06	9.28E-07	2.78223E-12	1.90304E-15	1.3887E-12	3.17E-16
386	570550.6	4178399	0.55, 41783	0.26039	0.20212	0.2399	127.75395	41.82578	149.79254	21.29232	6.25899	24.96542	1.04E-08	6.47E-06	1.08E-06	3.2E-12	9.65E-12	7.62E-12	5.53E-16	1.34E-14	7.37E-16	1.46471E-14	1.036E-08	6.4653E-06	1.08E-06	3.2685E-12	2.23565E-15	1.63141E-12	3.72E-16
387	570590.6	4178399	0.55, 41783	0.3185	0.25095	0.28739	144.10526	45.67081	172.10131	24.01754	7.17597	28.68355	1.24E-08	7.43E-06	1.24E-06	3.83E-12	1.16E-11	9.13E-12	6.62E-16	1.6E-14	8.83E-16	1.75467E-14	1.241E-08	7.4281E-06	1.24E-06	3.91556E-12	2.67824E-15	1.95438E-12	4.46E-16
388	570630.6	4178399	0.55, 41783	0.40291	0.32135	0.35272	177.65061	50.39519	203.06539	27.05917	8.74903	32.05961	1.52E-08	8.76E-06	1.38E-06	4.7E-12	1.42E-11	1.12E-11	8.13E-16	1.96E-14	1.08E-15	2.15357E-14	1.523E-08	8.7645E-06	1.38E-06	4.8057E-12	3.2871E-15	2.39868E-12	5.47E-16
389	570670.6	4178399	0.55, 41783	0.53348	0.4284	0.44753	224.79663	56.41372	278.51402	32.60934	10.76331	39.25369	1.93E-08	1.2E-05	1.69E-06	5.96E-12	1.8E-11	1.42E-11	1.03E-15	2.49E-14	1.38E-15	2.73248E-14	1.932E-08	1.2021E-05	1.69E-06	6.09753E-12	4.17071E-15	3.04347E-12	6.94E-16
390	570710.6	4178399	0.55, 41783	0.75271	0.60288	0.59636	297.96202	70.92072	361.49768	41.13122	14.0152	50.83456	2.57E-08	1.56E-05	2.19E-06	7.94E-12	2.4E-11	1.89E-11	1.37E-15	3.32E-14	1.83E-15	3.64124E-14	2.574E-08	1.5602E-05	2.19E-06	8.12544E-12	5.5578E-15	4.05567E-12	9.25E-16
391	570750.6	4178399	0.55, 41783	1.15447	0.90762	0.85203	416.42427	90.04322	551.74774	52.05303	22.1169	68.96847	3.68E-08	2.38E-05	2.98E-06	1.14E-11	3.43E-11	2.71E-11	1.96E-15	4.74E-14	2.62E-15	5.20239E-14	3.678E-08	2.3813E-05	2.98E-06	1.16091E-11	7.94066E-15	5.7945E-12	1.32E-15
392	570790.6	4178399	0.55, 41783	1.70092	1.35462	1.23288	632.44551	121.09647	736.15706	79.05569	31.00919	92.01963	5.32E-08	3.18E-05	3.97E-06	1.64E-11	4.96E-11	3.92E-11	2.84E-15	6.86E-14	3.79E-15	7.52788E-14	5.322E-08	3.1773E-05	3.97E-06	1.67985E-11	1.14902E-14	8.38466E-12	1.91E-15
393	570830.6	4178399	0.55, 41783	3.46088	2.976	2.05541	854.46592	185.76652	929.26678	157.19416	64.23703	133.05669	8.87E-08	4.01E-05	5.74E-06	2.74E-11	8.27E-11	6.53E-11	4.74E-15	1.14E-13	6.32E-15	1.25514E-13	8.874E-08	4.0108E-05	5.74E-06	2.80084E-11	1.91578E-14	1.39799E-11	3.19E-15
394	571110.6	4178399	0.55, 41783	4.7766	17.70794	5.53677	386.44752	237.89657	1139.86397	91.74551	117.26543	182.49582	2.39E-07	4.92E-05	7.88E-06	7.38E-11	2.23E-10	1.76E-10	1.28E-14	3.08E-13	1.7E-14	3.38241E-13	2.391E-07	4.9197E-05	7.88E-06	7.54787E-11	5.16274E-14	3.76738E-11	8.59E-15
395	571150.6	4178399	0.55, 41783	4.75682	9.04164	4.75414	493.27775	194.83019	977.82769	91.47407	80.27894	179.74579	2.05E-07	4.22E-05	7.76E-06	6.33E-11	1.91E-10	1.51E-10	1.1E-14	2.65E-13	1.46E-14	2.90339E-13	2.053E-07	4.2203E-05	7.76E-06	6.47892E-11	4.43158E-14	3.23384E-11	7.37E-15
396	571190.6	4178399	0.55, 41783	4.13591	5.67532	3.9763	541.83424	159.29594	784.3481	82.25115	55.55038	130.43816	1.72E-07	3.39E-05	5.63E-06	5.3E-11	1.6E-10	1.26E-10	9.17E-15	2.21E-13	1.22E-14	2.42807E-13	1.717E-07	3.3853E-05	5.63E-06	5.41826E-11	3.70609E-14	2.70442E-11	6.17E-15
397	571230.6	4178399	0.55, 41783	3.34043	3.91116	3.41587	419.25179	113.41297	723.05548	67.92735	42.50701	103.29364	1.47E-07	3.12E-05	4.46E-06	4.55E-11	1.37E-10	1.09E-10	7.87E-15	1.9E-13	1.05E-14	2.08571E-13	1.475E-07	3.1207E-05	4.46E-06	4.65426E-11	3.18351E-14	2.32309E-11	5.3E-15
398	571270.6	4178399	0.55, 41783	2.69096	2.84934	2.72459	276.99568	96.24025	620.23738	46.4546	32.10306	94.16047	1.18E-07	2.68E-05	4.06E-06	3.63E-11	1.1E-10	8.66E-11	6.28E-15	1.52E-13	8.37E-15	1.66358E-13	1.176E-07	2.6769E-05	4.06E-06	3.71227E-11	2.5392E-14	1.85291E-11	4.22E-15
399	571310.6	4178399	0.55, 41783	2.15304	2.16763	2.23142	240.01182	84.08056	257.12386	39.08125	24.00367	52.53394	9.63E-08	1.11E-05	2.27E-06	2.97E-11	8.98E-11	7.09E-11	5.14E-15	1.24E-13	6.86E-15	1.36243E-13	9.633E-08	1.1098E-05	2.27E-06	3.04027E-11	2.07954E-14	1.5175E-11	3.46E-15
400	571350.6	4178399	0.55, 41783	1.74135	1.70512	1.85867	224.12525	73.73672	326.22415	31.06226	18.34101	44.13622	8.02E-08	1.41E-05	1.91E-06	2.48E-11	7.48E-11	5.91E-11	4.28E-15	1.03E-13	5.71E-15	1.13483E-13	8.024E-08	1.408E-05	1.91E-06	2.53237E-11	1.73214E-14	1.26399E-11	2.88E-15
401	571390.6	4178399	0.55, 41783	1.43215	1.37481	1.54866	207.21833	64.01827	312.56807	26.21992	15.02288	39.07101	6.69E-08	1.35E-05	1.69E-06	2.06E-11	6.23E-11	4.92E-11	3.57E-15	8.62E-14	4.76E-15	9.4554E-14	6.685E-08	1.3491E-05	1.69E-06	2.10998E-11	1.44322E-14	1.05316E-11	2.4E-15
402	571430.6	4178399	0.55, 41783	1.19016	1.12906	1.29293	179.9524	59.14274	244.73255	22.49405	12.88734	30.59157	5.58E-08	1.06E-05	1.32E-06	1.72E-11	5.2E-11	4.11E-11	2.98E-15	7.2E-14	3.97E-15	7.894E-14	5.581E-08	1.0563E-05	1.32E-06	1.76155E-11	1.2049E-14	8.79245E-12	2E-15
403	571470.6	4178399	0.55, 41783	0.9966	0.93995	1.08271	146.8642	55.47011	170.50633	18.35802	11.23121	21.31329	4.67E-08	7.36E-06	9.2E-07	1.44E-11	4.35E-11	3.44E-11	2.5E-15	6.03E-14	3.33E-15	6.61049E-14	4.674E-08	7.3594E-06	9.2E-07	1.47513E-11	1.00899E-14	7.36286E-12	1.68E-15
404	571510.6	4178399	0.55, 41783	0.8441	0.79417	0.91453	113.63796	52.27286	111.23462	14.20474	9.85599	18.36688	3.95E-08	4.8E-06	7.93E-07	1.22E-11	3.68E-11	2.91E-11	2.11E-15	5.09E-14	2.81E-15	5.58367E-14	3.948E-08	4.8013E-06	7.93E-07	1.246E-11	8.52262E-15	6.21917E-12	1.42E-15
405	571550.6	4178399	0.55, 41783	0.71988	0.67749	0.77601	84.04695	49.45688	81.90115	12.59546	8.65245	16.41022	3.35E-08	3.54E-06	7.08E-07	1.03E-11	3.12E-11	2.47E-11	1.79E-15	4.32E-14	2.38E-15	4.73794E-14	3.35E-08	3.5353E-06	7.08E-07	1.05727E-11	7.23175E-15	5.27719E-12	1.2E-15
406	571590.6	4178399	0.55, 41783	0.61846	0.58359	0.66441	61.25343	46.95039	82.40366	11.31778	7.65227	14.12983	2.87E-08	3.56E-06	6.1E-07	8.85E-12	2.67E-11	2.11E-11	1.53E-15	3.7E-14	2.04E-15	4.05657E-14	2.868E-08	3.5569E-06	6.1E-07	9.05225E-12	6.19174E-15	4.51827E-12	1.03E-15
407	570310.6	4178439	0.55, 41784	0.11265	0.08111	0.10949	78.47962	27.91467	88.7071	13.07994	3.48933	14.78452	4.73E-09	3.83E-06	6.38E-07	1.46E-12	4.4E-12	3.48E-12	2.52E-16	6.1E-15	3.36E-16	6.68473E-15	4.726E-09	3.8288E-06	6.38E-07	1.4917E-12	1.02032E-15	7.44555E-13	1.7E-16
408	570350.6	4178439	0.55, 41784	0.12585	0.09139	0.12175	84.54471	29.62734	96.42477	14.09078	3.70342	16.0708	5.26E-09	4.16E-06	6.94E-07	1.62E-12	4.9E-12	3.87E-12	2.81E-16	6.78E-15	3.74E-16	7.43326E-15	5.256E-09	4.1619E-06	6.94E-07	1.65873E-12	1.13457E-15	8.27927E-13	1.89E-16
409	570390.6	4178439	0.55, 41784	0.14252	0.10489	0.13706	91.50908	31.67143	105.54781	15.25151	4.06451	17.5913	5.92E-09	4.56E-06	7.59E-07	1.83E-12	5.51E-12	4.35E-12	3.16E-16	7.63E-15	4.21E-16	8.36802E-15	5.916E-09	4.5556E-06	7.59E-07	1.86733E-12	1.27725E-15	9.32042E-13	2.13E-16
410	570430.6	4178439	0.55, 41784	0.16313	0.12204	0.15568	99.54775	33.93845	116.15512	16.59129	4.47421	19.35919	6.72E-09	5.01E-06	8.36E-07	2.07E-12	6.26E-12	4.95E-12	3.59E-16	8.67E-15	4.78E-16	9.50489E-15	6.72E-09	5.0134E-06	8.36E-07	2.12102E-12	1.45078E-15	1.05867E-12	2.41E-16
411	570470.6	4178439	0.55, 41784	0.18858	0.14267	0.1783	108.92524	36.54882	128.38607	18.15421	4.93599	21.39768	7.7E-09	5.54E-06	9.24E-07	2.38E-12	7.17E-12	5.66E-12	4.11E-16	9.93E-15	5.48E-16	1.0886E-14	7.697E-09	5.5413E-06	9.24E-07	2.42921E-12	1.66158E-15	1.2125E-12	2.76E-16
412	570510.6	4178439	0.55, 41784	0.22167	0.16966	0.20722	120.34611	39.98702	143.34164	20.05769	5.68986	23.89027	8.95E-09	6.19E-06	1.03E-06	2.76E-12	8.33E-12	6.58E-12	4.78E-16	1.15E-14	6.37E-16	1.26517E-14	8.945E-09	6.1868E-06	1.03E-06	2.82324E-12	1.93109E-15	1.40917E-12	3.21E-16
413	570550.6	4178439	0.55, 41784	0.2658	0.20594	0.24496	134.27176	44.24032	161.13607	22.37863	6.83821	26.85601	1.06E-08	6.95E-06	1.16E-06	3.26E-12	9.85E-12	7.78E-12	5.65E-16	1.36E-14	7.53E-16	1.4956E-14	1.057E-08	6.9548E-06	1.16E-06	3.33744E-12	2.28281E-15	1.66582E-12	3.8E-16
414	570590.6	4178439	0.55, 41784	0.3272	0.25654	0.29583	151.91315	49.32778	182.29969	25.31886	8.30482	30.38328	1.28E-08	7.87E-06	1.31E-06	3.94E-12	1.19E-11	9.4E-12	6.82E-16	1.65E-14	9.09E-16	1.8062E-14	1.277E-08	7.8683E-06	1.31E-06	4.03054E-12	2.75689E-15	2.01177E-12	4.59E-16
415	570630.6	4178439	0.55, 41784	0.41675	0.33056	0.3671	175.42083	55.6235	213.97884	29.2368	10.21264	34.63299	1.58E-08	9.24E-06	1.5E-06	4.89E-12	1.48E-11	1.17E-11	8.46E-16	2.04E-14	1.13E-15	2.24136E-14	1.585E-08	9.2356E-06	1.5E-06	5.00161E-12	3.4211E-15	2.49646E-12	5.69E-16
416	570670.6	4178439	0.55, 41784	0.56024	0.44648	0.47194	208.37177	63.80907	268.23017	34.72863	12.75328	41.38807	2.04E-08	1.16E-05	1.79E-06	6.29E-12	1.9E-11	1.5E-11	1.09E-15	2.63E-14	1.45E-15	2.88151E-14	2.037E-08	1.1577E-05	1.79E-06	6.4301E-12	4.39819E-15	3.20947E-12	7.32E-16
417	570710.6	4178439	0.55, 41784	0.81434	0.64609	0.63688	258.28683	75.2647	339.8113	43.04781	16.40047	56.02404	2.75E-08	1.47E-05	2.42E-06	8.48E-12	2.56E-11	2.02E-11	1.47E-15	3.55E-14	1.96E-15	3.88865E-14	2.749E-08	1.4666E-05	2.42E-06	8.67754E-12	5.93544E-15	4.33124E-12	9.88E-16
418	570750.6	4178439	0.55, 41784	1.35572	1.03003	0.91926	343.9155	93.10334	457.76974	57.16949	22.25077	76.29496	3.97E-08	1.98E-05	3.29E-06	1.22E-11	3.7E-11	2.92E-11	2.12E-15	5.12E-14	2.83E-15	5.61298E-14	3.969E-08	1.9758E-05	3.29E-06	1.25254E-11	8.56736E-15	6.25182E-12	1.43E-15
419	570790.6	4178439	0.55, 41784	3.18264	2.0617	1.49283	571.47263	129.70009	738.76969	95.66015	38.79176	110.20608	6.45E-08	3.19E-05	4.76E-06	1.99E-11	6.01E-11	4.74E-11	3.44E-15	8.31E-14	4.59E-15	9.11594E-14	6.445E-08	3.1885E-05	4.76E-06	2.03422E-11	1.39141E-14	1.01535E-11	2.31E-15
420	571070.6	4178439	0.55, 41784	4.74443	12.25677	5.33303	251.71558	235.3671	557.08631	48.15254	87.29167	78.37734	2.3E-07	2.4E-05	3.38E-06	7.11E-11	2.15E-10	1.69E-10	1.23E-14	2.97E-13	1.64E-14	3.25723E-13	2.303E-07	2.4045E-05	3.38E-06	7.26852E-11	4.97167E-14	3.62795E-11	8.27E-15
421	571110.6	4178439	0.55, 41784	3.89854	10.39914	4.234	292.37938	213.76959	730.76501	54.55193	96.69541	95.26587	1.83E-07	3.15E-05	4.11E-06	5.64E-11	1.7E-10	1.35E-10	9.76E-15	2.36E-13	1.3E-14	2.58608E-13	1.828E-07	3.1541E-05	4.11E-06	5.77085E-11	3.94726E-14	2.88042E-11	6.57E-15
422	571150.6	4178439	0.55, 41784	3.24566	6.14355	3.38328	299.25996	151.74182	537.6659	53.26943	58.88405	104.89405	1.46E-07	2.32E-05	4.53E-06	4.51E-11	1.36E-10	1.08E-10	7.8E-15	1.88E-13	1.04E-14	2.06615E-13	1.461E-07	2.3206E-05	4.53E-06	4.61062E-11	3.15366E-14	2.30131E-11	5.25E-15
423	571190.6	4178439	0.55, 41784	2.68652	4.20662	2.81661	319.22111	114.25705	663.08885	45.60302	42.68486	97.00809	1.22E-07	2.86E-05	4.19E-06	3.75E-11	1.13E-10	8.95E-11	6.49E-15	1.57E-13	8.66E-15	1.71995E-13	1.216E-07	2.8619E-05	4.19E-06	3.83807E-11	2.62524E-14	1.9157E-11	4.37E-15
424	571230.6	4178439	0.55, 41784	2.2851	3.10379	2.38014	355.31137	114.374	594.35462	48.25343	33.87475	78.4876	1.03E-07	2.57E-05	3.39E-06	3.17E-11	9.57E-11	7.56E-11	5.49E-15	1.33E-13	7.32E-15	1.45335E-13	1.028E-07	2.5652E-05	3.39E-06	3.24316E-11	2.21832E-14	1.61877E-11	3.69E-15
425	571270.6	4178439	0.55, 41784	1.91581	2.39067	2.08735	281.61312	92.35093	457.23387	43.32371	28.45229	65.31912	9.01E-08	1.97E-05	2.82E-06	2.78E-11	8.4E-11	6.63E-11	4.81E-15	1.16E-13	6.42E-15	1.27452E-13	9.011E-08	1.9734E-05	2.82E-06	2.84409E-11	1.94536E-14	1.41958E-11	3.24E-15
426	571310.6	4178439	0.55, 41784	1.62017	1.88774	1.73959	249.98498	75.512	443.82502	38.72011	23.46838	65.04063	7.51E-08	1.92E-05	2.81E-06	2.32E-11	7E-11	5.53E-11	4.01E-15	9.69E-14	5.35E-15	1.06216E-13	7.51E-08	1.9155E-05	2.81E-06	2.37022E-11	1.62123E-14	1.18305E-11	2.7E-15
427	571350.6	4178439	0.55, 41784	1.36969	1.52492	1.4607	207.90528	71.02603	289.54604	31.99215	18.96422	43.80183	6.31E-08	1.25E-05	1.89E-06	1.95E-11	5.88E-11	4.64E-11	3.37E-15	8.13E-14	4.49E-15	8.9187E-14	6.306E-08	1.2497E-05	1.89E-06	1.99021E-11	1.3613E-14	9.93378E-12	2.26E-15
428	571390.6	4178439	0.55, 41784	1.16602	1.25794	1.25769	137.82846	66.02867	157.96299	21.56098	15.29347	27.7078	5.43E-08	6.82E-06	1.2E-06	1.68E-11	5.06E-11	4E-11	2.9E-15	7E-14	3.87E-15	7.67908E-14	5.429E-08	6.8196E-06	1.2E-06	1.71359E-11	1.1721E-14	8.55308E-12	1.95E-15
429	571430.6	4178439	0.55, 41784	1.00225	1.05165	1.08939	150.81052	60.59063	188.78292	19.07395	12.70811	25.02004	4.7E-08	8.15E-06	1.08E-06	1.45E-11	4.38E-11	3.46E-11	2.51E-15	6.07E-14	3.35E-15	6.65144E-14	4.703E-08	8.1482E-06	1.08E-06	1.48427E-11	1.01524E-14	7.40847E-12	1.69E-15
430	571470.6	4178439	0.55, 41784	0.86528	0.88825	0.94207	153.64691	54.59461	206.40776	19.20586	10.6849	25.80097	4.07E-08	8.91E-06	1.11E-06	1.25E-11	3.79E-11	2.99E-11	2.17E-15	5.25E-14	2.9E-15	5.75192E-14	4.067E-08	8.9088E-06	1.11E-06	1.28354E-11	8.77943E-15	6.40657E-12	1.46E-15
431	571510.6	4178439	0.55, 41784	0.75493	0.76151	0.82291	144.52703	49.13224	189.90829	18.06588	9.74189	23.73854	3.55E-08	8.2E-06	1.02E-06	1.1E-11	3.31E-11	2.61E-11	1.9E-15	4.58E-14	2.53E-15	5.02435E-14	3.552E-08	8.1966E-06	1.02E-06	1.12119E-11	7.66891E-15	5.5962E-12	1.28E-15
432	571550.6	4178439	0.55, 41784	0.65913	0.65716	0.71761	127.58758	46.59598	156.05984	15.94845	8.8858	19.50748	3.1E-08	6.74E-06	8.42E-07	9.56E-12	2.89E-11	2.28E-11	1.65E-15	4E-14	2.21E-15	4.38142E-14	3.098E-08	6.7358E-06	8.42E-07	9.77716E-12	6.68758E-15	4.88009E-12	1.11E-15
433	571590.6	4178439	0.55, 41784	0.57626	0.57045	0.62441	106.82976	44.35137	118.44703	13.35372	8.08009	14.80588	2.7E-08	5.11E-06	6.39E-07	8.32E-12	2.51E-11	1.98E-11	1.44E-15	3.48E-14	1.92E-15	3.81238E-14	2.695E-08	5.1125E-06	6.39E-07	8.50734E-12	5.81902E-15	4.24629E-12	9.68E-16
434	570310.6	4178479	0.55, 41784	0.1113	0.08183	0.10709	74.58423	29.47815	84.27127	11.80727	4.00274	12.56763	4.62E-09	3.64E-06	5.43E-07	1.43E-12	4.31E-12	3.4E-12	2.47E-16	5.96E-15	3.29E-16	6.53824E-15	4.623E-09	3.6373E-06	5.43E-07	1.45901E-12	9.97963E-16	7.28239E-13	1.66E-16
435	570350.6	4178479	0.55, 41784	0.12561	0.09388	0.12027	80.0812	31.76761	91.05741	12.83362	4.33491	13.82729	5.19E-09	3.93E-06	5.97E-07	1.6E-12	4.84E-12	3.82E-12	2.77E-16	6.7E-15	3.7E-16	7.34296E-15	5.192E-09	3.9302E-06	5.97E-07	1.63858E-12	1.12079E-15	8.17869E-13	1.86E-16
436	570390.6	4178479	0.55, 41784	0.14146	0.10678	0.13471	86.10528	34.01158	98.86723	14.01299	4.67053	15.28263	5.82E-09	4.27E-06	6.6E-07	1.79E-12	5.42E-12	4.28E-12	3.1E-16	7.5E-15	4.14E-16	8.2246E-15	5.815E-09	4.2673E-06	6.6E-07	1.83532E-12	1.25536E-15	9.16068E-13	2.09E-16
437	570430.6	4178479	0.55, 41784	0.16075	0.12266	0.15218	93.00088	36.36689	108.11431	15.32204	5.02469	17.00047	6.57E-09	4.67E-06	7.34E-07	2.03E-12	6.12E-12	4.83E-12	3.51E-16	8.47E-15	4.68E-16	9.29125E-15	6.569E-09	4.6664E-06	7.34E-07	2.07335E-12	1.41817E-15	1.03487E-12	2.36E-16
438	570470.6	4178479	0.55, 41784	0.18644	0.14379	0.17515	101.96042	39.51551	120.09702	16.93263	5.48718	19.18544	7.56E-09	5.18E-06	8.28E-07	2.33E-12	7.04E-12	5.56E-12	4.04E-16	9.75E-15	5.38E-16	1.06937E-14	7.561E-09	5.1836E-06	8.28E-07	2.3863E-12	1.63223E-15	1.19108E-12	2.72E-16
439	570510.6	4178479	0.55, 41784	0.22079	0.17209	0.20548	113.44919	43.50567	135.70428	18.9082	6.17272	22.02345	8.87E-09	5.86E-06	9.51E-07	2.74E-12	8.26E-12	6.53E-12	4.74E-16	1.14E-14	6.32E-16	1.25455E-14	8.87E-09	5.8572E-06	9.51E-07	2.79954E-12	1.91489E-15	1.39734E-12	3.19E-16
440	570550.6	4178479	0.55, 41784	0.2667	0.21004	0.24533	127.7059	48.20733	155.63974	21.28432	7.34053	25.62853	1.06E-08	6.72E-06	1.11E-06	3.27E-12	9.87E-12	7.79E-12	5.65E-16	1.37E-14	7.54E-16	1.49787E-14	1.059E-08	6.7177E-06	1.11E-06	3.34249E-12	2.28627E-15	1.66834E-12	3.8E-16
441	570590.6	4178479	0.55, 41784	0.32931	0.26248	0.29831	144.67878	53.44745	182.17951	24.11313	8.81975	30.24215	1.29E-08	7.86E-06	1.31E-06	3.97E-12	1.2E-11	9.48E-12	6.88E-16	1.66E-14	9.17E-16	1.82135E-14	1.288E-08	7.8631E-06	1.31E-06	4.06434E-12	2.78001E-15	2.02864E-12	4.63E-16
442	570630.6	4178479	0.55, 41784	0.42133	0.33962	0.37314	165.95931	60.05375	219.0797	27.65989	10.77683	36.51328	1.61E-08	9.46E-06	1.58E-06	4.97E-12	1.5E-11	1.19E-11	8.6E-16	2.08E-14	1.15E-15	2.27824E-14	1.611E-08	9.4558E-06	1.58E-06	5.08391E-12	3.47739E-15	2.53754E-12	5.79E-16
443	570670.6	4178479	0.55, 41784	0.56746	0.46145	0.48445	193.36004	69.0612	272.47405	32.22667	13.5092	45.41234	2.09E-08	1.18E-05	1.96E-06	6.45E-12	1.95E-11	1.54E-11	1.12E-15	2.7E-14	1.49E-15	2.95789E-14	2.091E-08	1.176E-05	1.96E-06	6.60055E-12	4.51478E-15	3.29455E-12	7.51E-16
444	570710.6	4178479	0.55, 41784	0.83023	0.67528	0.66195	236.53606	81.84268	352.22256	39.07222	17.68943	58.70376	2.86E-08	1.52E-05	2.53E-06	8.82E-12	2.66E-11	2.1E-11	1.53E-15	3.69E-14	2.03E-15	4.04173E-14	2.858E-08	1.5202E-05	2.53E-06	9.01913E-12	6.16908E-15	4.50174E-12	1.03E-15
445	570750.6	4178479	0.55, 41784	1.42426	1.12918	0.97629	342.03514	102.90165	482.1747	49.67165	25.1054	80.36245	4.21E-08	2.08E-05	3.47E-06	1.3E-11	3.93E-11	3.1E-11	2.25E-15	5.44E-14	3E-15	5.96126E-14	4.215E-08	2.0811E-05	3.47E-06	1.33026E-11	9.09895E-15	6.63973E-12	1.51E-15
446	570790.6	4178479	0.55, 41784	3.63047	2.75084	1.62936	596.75244	187.47347	722.34167	107.7468	51.23422	120.39028	7.04E-08	3.12E-05	5.2E-06	2.17E-11	6.55E-11	5.18E-11	3.76E-15	9.07E-14	5.01E-15	9.95044E-14	7.035E-08	3.1177E-05	5.2E-06	2.22044E-11	1.51878E-14	1.10829E-11	2.53E-15
447	571030.6	4178479	0.55, 41784	9.40071	15.68167	11.18665	333.68281	267.08575	756.18793	81.11776	110.69164	178.64972	4.83E-07	3.26E-05	7.71E-06	1.49E-10	4.5E-10	3.55E-10	2.58E-14	6.23E-13	3.44E-14	6.8309E-13	4.83E-07	3.2638E-05	7.71E-06	1.52432E-10	1.04263E-13	7.60835E-11	1.73E-14
448	571070.6	4178479	0.55, 41784	5.59712	9.0131	6.53916	216.22006	204.77885	522.16381	54.58514	76.29745	101.00005	2.82E-07	2.25E-05	4.36E-06	8.71E-11	2.63E-10	2.08E-10	1.51E-14	3.64E-13	2.01E-14	3.99298E-13	2.823E-07	2.2538E-05	4.36E-06	8.91035E-11	6.09468E-14	4.44744E-11	1.01E-14
449	571110.6	4178479	0.55, 41784	3.86033	5.8724	4.45436	232.77263	158.88759	526.3096	40.87392	60.11848	68.10823	1.92E-07	2.27E-05	2.94E-06	5.93E-11	1.79E-10	1.42E-10	1.03E-14	2.48E-13	1.37E-14	2.71991E-13	1.923E-07	2.2716E-05	2.94E-06	6.06949E-11	4.15153E-14	3.02947E-11	6.91E-15
450	571150.6	4178479	0.55, 41784	2.87873	4.17215	3.24074	243.47288	131.88403	510.79766	36.94401	47.80365	68.59206	1.4E-07	2.2E-05	2.96E-06	4.32E-11	1.3E-10	1.03E-10	7.47E-15	1.8E-13	9.96E-15	1.97884E-13	1.399E-07	2.2046E-05	2.96E-06	4.41578E-11	3.0204E-14	2.20406E-11	5.03E-15
451	571190.6	4178479	0.55, 41784	2.25924	3.11768	2.54212	272.99859	103.34976	495.79992	40.61499	35.56429	82.63332	1.1E-07	2.14E-05	3.57E-06	3.39E-11	1.02E-10	8.08E-11	5.86E-15	1.42E-13	7.81E-15	1.55223E-13	1.097E-07	2.1399E-05	3.57E-06	3.4638E-11	2.36924E-14	1.72889E-11	3.94E-15
452	571230.6	4178479	0.55, 41784	1.86428	2.43731	2.04705	228.60917	88.43023	428.91859	34.9281	28.65964	53.61482	8.84E-08	1.85E-05	2.31E-06	2.73E-11	8.23E-11	6.5E-11	4.72E-15	1.14E-13	6.29E-15	1.24993E-13	8.837E-08	1.8512E-05	2.31E-06	2.78921E-11	1.90782E-14	1.39219E-11	3.17E-15
453	571270.6	4178479	0.55, 41784	1.58233	1.95726	1.72288	275.18297	89.4878	451.79055	39.56066	24.38596	62.99097	7.44E-08	1.95E-05	2.72E-06	2.3E-11	6.93E-11	5.47E-11	3.97E-15	9.59E-14	5.3E-15	1.05197E-13	7.438E-08	1.9499E-05	2.72E-06	2.34748E-11	1.60568E-14	1.1717E-11	2.67E-15
454	571310.6	4178479	0.55, 41784	1.35793	1.6065	1.5101	222.77943	77.47813	328.49847	32.82803	21.05024	46.46168	6.52E-08	1.42E-05	2.01E-06	2.01E-11	6.07E-11	4.8E-11	3.48E-15	8.41E-14	4.64E-15	9.22036E-14	6.519E-08	1.4178E-05	2.01E-06	2.05753E-11	1.40735E-14	1.02698E-11	2.34E-15
455	571350.6	4178479	0.55, 41784	1.1642	1.33076	1.27594	210.30644	64.61424	297.95893	30.9494	18.13628	42.55235	5.51E-08	1.29E-05	1.84E-06	1.7E-11	5.13E-11	4.05E-11	2.94E-15	7.1E-14	3.92E-15	7.79059E-14	5.508E-08	1.286E-05	1.84E-06	1.73847E-11	1.18912E-14	8.67727E-12	1.98E-15
456	571390.6	4178479	0.55, 41784	1.001	1.11694	1.07653	187.8278	60.73144	278.37154	27.7002	15.35336	39.86006	4.65E-08	1.2E-05	1.72E-06	1.43E-11	4.33E-11	3.42E-11	2.48E-15	5.99E-14	3.31E-15	6.57304E-14	4.647E-08	1.2015E-05	1.72E-06	1.46677E-11	1.00327E-14	7.32114E-12	1.67E-15
457	571430.6	4178479	0.55, 41784	0.8626	0.94616	0.9271	141.00765	57.76687	153.44465	20.99683	12.7525	23.01436	4E-08	6.62E-06	9.93E-07	1.24E-11	3.73E-11	2.95E-11	2.14E-15	5.16E-14	2.85E-15	5.66063E-14	4.002E-08	6.6231E-06	9.93E-07	1.26317E-11	8.64009E-15	6.30489E-12	1.44E-15
458	571470.6	4178479	0.55, 41784	0.75511	0.81334	0.81471	85.41876	54.87579	110.14274	13.60469	11.10539	17.11986	3.52E-08	4.75E-06	7.39E-07	1.09E-11	3.28E-11	2.59E-11	1.88E-15	4.54E-14	2.5E-15	4.97438E-14	3.517E-08	4.7542E-06	7.39E-07	1.11003E-11	7.59263E-15	5.54053E-12	1.26E-15
459	571510.6	4178479	0.55, 41784	0.666	0.70453	0.71826	104.54177	51.61661	121.24791	13.06772	9.4895	15.99878	3.1E-08	5.23E-06	6.91E-07	9.57E-12	2.89E-11	2.28E-11	1.66E-15	4E-14	2.21E-15	4.38546E-14	3.101E-08	5.2334E-06	6.91E-07	9.78617E-12	6.69374E-15	4.88459E-12	1.11E-15
460	571550.6	4178479	0.55, 41784	0.58993	0.61436	0.63446	114.23468	47.78612	141.81512	14.27934	8.47335	17.72689	2.74E-08	6.12E-06	7.65E-07	8.45E-12	2.55E-11	2.02E-11	1.46E-15	3.53E-14	1.95E-15	3.8738E-14	2.739E-08	6.121E-06	7.65E-07	8.64439E-12	5.91276E-15	4.31469E-12	9.84E-16
461	571590.6	4178479	0.55, 41784	0.5248	0.5396	0.56365	114.71837	43.31659	143.69009	14.3398	7.89274	17.96126	2.43E-08	6.2E-06	7.75E-07	7.51E-12	2.27E-11	1.79E-11	1.3E-15	3.14E-14	1.73E-15	3.44144E-14	2.433E-08	6.2019E-06	7.75E-07	7.67959E-12	5.25284E-15	3.83313E-12	8.74E-16
462	570310.6	4178519	0.55, 41785	0.10968	0.08323	0.10459	75.92481	30.95134	85.20389	12.65413	4.31611	14.20065	4.51E-09	3.68E-06	6.13E-07	1.39E-12	4.21E-12	3.32E-12	2.41E-16	5.82E-15	3.21E-16	6.38566E-15	4.515E-09	3.6776E-06	6.13E-07	1.42496E-12	9.74673E-16	7.11244E-13	1.62E-16
463	570350.6	4178519	0.55, 41785	0.12253	0.09413	0.11632	80.98331	32.52203	91.70345	13.49722	4.56123	15.28391	5.02E-09	3.96E-06	6.6E-07	1.55E-12	4.68E-12	3.7E-12	2.68E-16	6.48E-15	3.57E-16	7.10185E-15	5.021E-09	3.9581E-06	6.6E-07	1.58478E-12	1.08399E-15	7.91014E-13	1.8E-16
464	570390.6	4178519	0.55, 41785	0.13706	0.10653	0.12954	86.4192	34.09518	99.00991	14.4032	4.78567	16.50165	5.59E-09	4.27E-06	7.12E-07	1.73E-12	5.21E-12	4.12E-12	2.99E-16	7.21E-15	3.98E-16	7.90901E-15	5.592E-09	4.2735E-06	7.12E-07	1.7649E-12	1.20719E-15	8.80917E-13	2.01E-16
465	570430.6	4178519	0.55, 41785	0.15657	0.12308	0.14711	93.48729	36.56809	108.68156	15.58121	5.11226	18.11359	6.35E-09	4.69E-06	7.82E-07	1.96E-12	5.92E-12	4.67E-12	3.39E-16	8.19E-15	4.52E-16	8.98177E-15	6.35E-09	4.6909E-06	7.82E-07	2.00429E-12	1.37093E-15	1.0004E-12	2.28E-16
466	570470.6	4178519	0.55, 41785	0.18113	0.14422	0.16907	101.65542	39.2669	120.52836	16.9419	5.47129	20.08806	7.3E-09	5.2E-06	8.67E-07	2.25E-12	6.8E-12	5.37E-12	3.9E-16	9.41E-15	5.2E-16	1.03226E-14	7.298E-09	5.2022E-06	8.67E-07	2.30349E-12	1.57559E-15	1.14974E-12	2.62E-16
467	570510.6	4178519	0.55, 41785	0.21556	0.17373	0.19928	112.42418	43.21366	137.68321	18.73736	6.23491	22.9472	8.6E-09	5.94E-06	9.91E-07	2.65E-12	8.02E-12	6.33E-12	4.59E-16	1.11E-14	6.12E-16	1.21671E-14	8.603E-09	5.9426E-06	9.91E-07	2.7151E-12	1.85713E-15	1.35519E-12	3.09E-16
468	570550.6	4178519	0.55, 41785	0.26244	0.21401	0.23948	127.39838	48.06291	159.66591	20.89373	7.26318	26.61098	1.03E-08	6.89E-06	1.15E-06	3.19E-12	9.63E-12	7.61E-12	5.52E-16	1.33E-14	7.36E-16	1.46216E-14	1.034E-08	6.8914E-06	1.15E-06	3.26282E-12	2.23177E-15	1.62858E-12	3.71E-16
469	570590.6	4178519	0.55, 41785	0.32438	0.26815	0.29055	146.74921	52.55391	186.84388	23.05175	8.49659	31.14065	1.25E-08	8.06E-06	1.34E-06	3.87E-12	1.17E-11	9.23E-12	6.7E-16	1.62E-14	8.93E-16	1.77399E-14	1.254E-08	8.0644E-06	1.34E-06	3.95866E-12	2.70772E-15	1.97589E-12	4.51E-16
470	570630.6	4178519	0.55, 41785	0.41604	0.34788	0.36203	170.82398	60.03664	221.85088	25.41079	10.076	36.97515	1.56E-08	9.58E-06	1.6E-06	4.82E-12	1.46E-11	1.15E-11	8.34E-16	2.02E-14	1.11E-15	2.21044E-14	1.563E-08	9.5754E-06	1.6E-06	4.93261E-12	3.3739E-15	2.46202E-12	5.61E-16
471	570670.6	4178519	0.55, 41785	0.56352	0.47347	0.46761	210.6175	71.54419	266.74609	27.95974	12.2085	44.45768	2.02E-08	1.15E-05	1.92E-06	6.23E-12	1.88E-11	1.49E-11	1.08E-15	2.6E-14	1.44E-15	2.85512E-14	2.019E-08	1.1513E-05	1.92E-06	6.37121E-12	4.35791E-15	3.18007E-12	7.25E-16
472	570710.6	4178519	0.55, 41785	0.82936	0.69158	0.6351	257.30872	94.91316	337.8148	32.16359	16.3308	53.60133	2.74E-08	1.46E-05	2.31E-06	8.46E-12	2.55E-11	2.02E-11	1.46E-15	3.54E-14	1.95E-15	3.87786E-14	2.742E-08	1.4581E-05	2.31E-06	8.65345E-12	5.91896E-15	4.31922E-12	9.85E-16
473	570750.6	4178519	0.55, 41785	1.36529	1.13262	0.93188	327.60111	130.96882	473.41526	45.80096	29.91109	62.68561	4.02E-08	2.04E-05	2.71E-06	1.24E-11	3.75E-11	2.96E-11	2.15E-15	5.19E-14	2.86E-15	5.69017E-14	4.023E-08	2.0433E-05	2.71E-06	1.26976E-11	8.68518E-15	6.3378E-12	1.45E-15
474	570790.6	4178519	0.55, 41785	2.09469	1.90095	1.39228	339.24086	174.34023	730.67406	59.4987	49.70987	91.33426	6.01E-08	3.15E-05	3.94E-06	1.85E-11	5.6E-11	4.42E-11	3.21E-15	7.75E-14	4.28E-15	8.50175E-14	6.011E-08	3.1536E-05	3.94E-06	1.89717E-11	1.29766E-14	9.46938E-12	2.16E-15
475	570990.6	4178519	0.55, 41785	30.9381	16.28557	11.79039	1645.60932	278.46944	1244.70182	444.29015	131.46412	279.7997	5.09E-07	5.37E-05	1.21E-05	1.57E-10	4.74E-10	3.75E-10	2.72E-14	6.57E-13	3.62E-14	7.19988E-13	5.091E-07	5.3723E-05	1.21E-05	1.60666E-10	1.09895E-13	8.01933E-11	1.83E-14
476	571030.6	4178519	0.55, 41785	10.39533	8.05295	7.62595	575.07494	188.36146	999.69988	130.51861	75.45666	173.23921	3.29E-07	4.31E-05	7.48E-06	1.02E-10	3.07E-10	2.42E-10	1.76E-14	4.25E-13	2.34E-14	4.6563E-13	3.292E-07	4.3147E-05	7.48E-06	1.03905E-10	7.10714E-14	5.18625E-11	1.18E-14
477	571070.6	4178519	0.55, 41785	5.62777	5.38206	5.21191	327.13066	151.27996	542.64793	61.45445	56.79768	91.26612	2.25E-07	2.34E-05	3.94E-06	6.94E-11	2.1E-10	1.66E-10	1.2E-14	2.9E-13	1.6E-14	3.18228E-13	2.25E-07	2.3421E-05	3.94E-06	7.10126E-11	4.85726E-14	3.54447E-11	8.08E-15
478	571110.6	4178519	0.55, 41785	3.70135	3.92679	3.70614	194.51307	130.68512	402.95521	41.68788	44.49195	69.09918	1.6E-07	1.74E-05	2.98E-06	4.94E-11	1.49E-10	1.18E-10	8.54E-15	2.06E-13	1.14E-14	2.2629E-13	1.6E-07	1.7392E-05	2.98E-06	5.04966E-11	3.45397E-14	2.52045E-11	5.75E-15
479	571150.6	4178519	0.55, 41785	2.69329	3.00723	2.77155	208.02281	103.35418	440.08145	30.40761	37.50867	55.01018	1.2E-07	1.9E-05	2.37E-06	3.69E-11	1.11E-10	8.81E-11	6.39E-15	1.54E-13	8.52E-15	1.69226E-13	1.196E-07	1.8994E-05	2.37E-06	3.77629E-11	2.58298E-14	1.88487E-11	4.3E-15
480	571190.6	4178519	0.55, 41785	2.08526	2.38411	2.19601	205.94825	100.14217	330.97092	32.90062	31.32752	44.74048	9.48E-08	1.43E-05	1.93E-06	2.93E-11	8.83E-11	6.98E-11	5.06E-15	1.22E-13	6.75E-15	1.34085E-13	9.48E-08	1.4285E-05	1.93E-06	2.99211E-11	2.0466E-14	1.49346E-11	3.41E-15
481	571230.6	4178519	0.55, 41785	1.66362	1.91731	1.76389	215.41751	83.66277	360.55042	30.77393	25.17962	52.13444	7.61E-08	1.56E-05	2.25E-06	2.35E-11	7.09E-11	5.6E-11	4.07E-15	9.82E-14	5.42E-15	1.077E-13	7.615E-08	1.5562E-05	2.25E-06	2.40333E-11	1.64388E-14	1.19958E-11	2.74E-15
482	571270.6	4178519	0.55, 41785	1.38104	1.58176	1.44385	194.90891	74.63088	227.07234	31.16799	21.56574	34.54332	6.23E-08	9.8E-06	1.49E-06	1.92E-11	5.81E-11	4.59E-11	3.33E-15	8.04E-14	4.44E-15	8.81594E-14	6.233E-08	9.8009E-06	1.49E-06	1.96728E-11	1.34562E-14	9.81932E-12	2.24E-15
483	571310.6	4178519	0.55, 41785	1.18628	1.33473	1.24995	227.7435	74.01926	353.91479	34.0231	18.88588	51.12416	5.4E-08	1.53E-05	2.21E-06	1.67E-11	5.03E-11	3.97E-11	2.88E-15	6.96E-14	3.84E-15	7.63196E-14	5.396E-08	1.5275E-05	2.21E-06	1.70307E-11	1.1649E-14	8.50059E-12	1.94E-15
484	571350.6	4178519	0.55, 41785	1.02794	1.1349	1.10387	186.21806	66.32591	255.87469	28.09378	16.3212	37.6065	4.77E-08	1.1E-05	1.62E-06	1.47E-11	4.44E-11	3.51E-11	2.54E-15	6.15E-14	3.39E-15	6.73995E-14	4.765E-08	1.1044E-05	1.62E-06	1.50402E-11	1.02875E-14	7.50706E-12	1.71E-15
485	571390.6	4178519	0.55, 41785	0.88898	0.96986	0.94947	165.64096	58.31983	230.86073	23.55305	14.40747	29.95608	4.1E-08	9.96E-06	1.29E-06	1.26E-11	3.82E-11	3.02E-11	2.19E-15	5.29E-14	2.92E-15	5.79722E-14	4.099E-08	9.9642E-06	1.29E-06	1.29365E-11	8.84857E-15	6.45702E-12	1.47E-15
486	571430.6	4178519	0.55, 41785	0.7696	0.83467	0.8102	166.81635	54.79876	235.11797	23.72844	12.50769	32.6638	3.5E-08	1.01E-05	1.41E-06	1.08E-11	3.26E-11	2.57E-11	1.87E-15	4.51E-14	2.49E-15	4.94688E-14	3.498E-08	1.0148E-05	1.41E-06	1.1039E-11	7.55066E-15	5.50991E-12	1.26E-15
487	571470.6	4178519	0.55, 41785	0.67066	0.72494	0.7032	138.40145	51.97552	171.46902	19.82816	10.73341	24.30543	3.04E-08	7.4E-06	1.05E-06	9.37E-12	2.83E-11	2.23E-11	1.62E-15	3.92E-14	2.16E-15	4.29357E-14	3.036E-08	7.4009E-06	1.05E-06	9.58111E-12	6.55348E-15	4.78224E-12	1.09E-15
488	571510.6	4178519	0.55, 41785	0.58987	0.63439	0.62004	93.94363	49.66848	89.41667	13.736	9.50533	13.29785	2.68E-08	3.86E-06	5.74E-07	8.26E-12	2.49E-11	1.97E-11	1.43E-15	3.45E-14	1.91E-15	3.78581E-14	2.677E-08	3.8596E-06	5.74E-07	8.44804E-12	5.77846E-15	4.21668E-12	9.61E-16
489	571550.6	4178519	0.55, 41785	0.52422	0.55926	0.55249	64.7066	47.53612	82.72316	9.81761	8.44297	11.85775	2.39E-08	3.57E-06	5.12E-07	7.36E-12	2.22E-11	1.76E-11	1.27E-15	3.08E-14	1.7E-15	3.37335E-14	2.385E-08	3.5707E-06	5.12E-07	7.52765E-12	5.14891E-15	3.75729E-12	8.57E-16
490	571590.6	4178519	0.55, 41785	0.47148	0.49721	0.49682	75.39988	45.27823	83.60413	9.54319	7.49343	11.2302	2.14E-08	3.61E-06	4.85E-07	6.62E-12	2E-11	1.58E-11	1.15E-15	2.77E-14	1.53E-15	3.03344E-14	2.145E-08	3.6087E-06	4.85E-07	6.76913E-12	4.63008E-15	3.37869E-12	7.7E-16
491	570310.6	4178559	0.55, 41785	0.10731	0.08405	0.10201	76.80272	30.54078	89.48595	12.80045	4.19275	14.91432	4.4E-09	3.86E-06	6.44E-07	1.36E-12	4.1E-12	3.24E-12	2.35E-16	5.68E-15	3.14E-16	6.22818E-15	4.404E-09	3.8624E-06	6.44E-07	1.38982E-12	9.50637E-16	6.93704E-13	1.58E-16
492	570350.6	4178559	0.55, 41785	0.11907	0.09438	0.11262	82.9813	31.5625	94.82328	13.39224	4.31782	15.80388	4.86E-09	4.09E-06	6.82E-07	1.5E-12	4.53E-12	3.58E-12	2.6E-16	6.27E-15	3.46E-16	6.87599E-15	4.862E-09	4.0928E-06	6.82E-07	1.53438E-12	1.04952E-15	7.65858E-13	1.75E-16
493	570390.6	4178559	0.55, 41785	0.1339	0.10748	0.12591	90.55746	32.83588	101.05325	14.07263	4.47793	16.84221	5.44E-09	4.36E-06	7.27E-07	1.68E-12	5.06E-12	4E-12	2.9E-16	7.01E-15	3.87E-16	7.68744E-15	5.435E-09	4.3617E-06	7.27E-07	1.71546E-12	1.17337E-15	8.56239E-13	1.95E-16
494	570430.6	4178559	0.55, 41785	0.15297	0.12443	0.14282	99.07784	34.42492	111.25467	14.88754	4.68196	18.0897	6.17E-09	4.8E-06	7.81E-07	1.9E-12	5.74E-12	4.54E-12	3.29E-16	7.95E-15	4.39E-16	8.71992E-15	6.165E-09	4.8019E-06	7.81E-07	1.94585E-12	1.33096E-15	9.71238E-13	2.21E-16
495	570470.6	4178559	0.55, 41785	0.17711	0.14611	0.16369	108.3811	37.13833	125.77833	15.68816	5.10948	19.33096	7.07E-09	5.43E-06	8.34E-07	2.18E-12	6.58E-12	5.2E-12	3.77E-16	9.11E-15	5.03E-16	9.99421E-15	7.066E-09	5.4288E-06	8.34E-07	2.23021E-12	1.52546E-15	1.11317E-12	2.54E-16
496	570510.6	4178559	0.55, 41785	0.21022	0.1758	0.19176	119.02071	41.74654	144.28309	16.67371	5.7123	20.76073	8.28E-09	6.23E-06	8.96E-07	2.55E-12	7.71E-12	6.09E-12	4.42E-16	1.07E-14	5.89E-16	1.17081E-14	8.278E-09	6.2275E-06	8.96E-07	2.61267E-12	1.78707E-15	1.30407E-12	2.97E-16
497	570550.6	4178559	0.55, 41785	0.25686	0.21737	0.22998	138.81712	48.97119	169.0217	17.78034	6.5378	22.20322	9.93E-09	7.3E-06	9.58E-07	3.06E-12	9.25E-12	7.31E-12	5.3E-16	1.28E-14	7.07E-16	1.40418E-14	9.928E-09	7.2952E-06	9.58E-07	3.13343E-12	2.14327E-15	1.56399E-12	3.57E-16
498	570590.6	4178559	0.55, 41785	0.31921	0.27311	0.27901	158.95656	55.69599	196.40207	19.86957	7.90259	24.55026	1.2E-08	8.48E-06	1.06E-06	3.72E-12	1.12E-11	8.86E-12	6.43E-16	1.55E-14	8.58E-16	1.70355E-14	1.204E-08	8.477E-06	1.06E-06	3.80149E-12	2.60022E-15	1.89744E-12	4.33E-16
499	570630.6	4178559	0.55, 41785	0.41072	0.35398	0.34795	180.38278	65.18573	228.48167	22.54785	9.64997	28.56021	1.5E-08	9.86E-06	1.23E-06	4.64E-12	1.4E-11	1.11E-11	8.02E-16	1.94E-14	1.07E-15	2.1245E-14	1.502E-08	9.8616E-06	1.23E-06	4.74084E-12	3.24273E-15	2.3663E-12	5.4E-16
500	570670.6	4178559	0.55, 41785	0.55178	0.47716	0.45068	218.05495	85.23197	290.43238	27.25687	14.02323	36.30405	1.95E-08	1.25E-05	1.57E-06	6E-12	1.81E-11	1.43E-11	1.04E-15	2.51E-14	1.39E-15	2.75178E-14	1.946E-08	1.2535E-05	1.57E-06	6.14061E-12	4.20018E-15	3.06497E-12	6.99E-16
501	570710.6	4178559	0.55, 41785	0.78132	0.6809	0.62169	244.71244	105.12049	355.26836	32.595	21.74638	44.40855	2.68E-08	1.53E-05	1.92E-06	8.28E-12	2.5E-11	1.98E-11	1.43E-15	3.46E-14	1.91E-15	3.79598E-14	2.684E-08	1.5334E-05	1.92E-06	8.47074E-12	5.79399E-15	4.22802E-12	9.64E-16
502	570750.6	4178559	0.55, 41785	1.13763	1.02831	0.92752	276.33124	124.7524	514.56755	39.47589	32.46528	64.32094	4E-08	2.22E-05	2.78E-06	1.24E-11	3.73E-11	2.95E-11	2.14E-15	5.16E-14	2.85E-15	5.66336E-14	4.004E-08	2.2209E-05	2.78E-06	1.26378E-11	8.64426E-15	6.30793E-12	1.44E-15
503	570790.6	4178559	0.55, 41785	1.48115	1.46435	1.34156	285.306	157.20995	776.24295	43.19026	42.97795	97.64972	5.79E-08	3.35E-05	4.21E-06	1.79E-11	5.4E-11	4.26E-11	3.09E-15	7.47E-14	4.12E-15	8.19139E-14	5.792E-08	3.3503E-05	4.21E-06	1.82791E-11	1.25029E-14	9.12369E-12	2.08E-15
504	570830.6	4178559	0.55, 41785	2.67811	2.99292	2.3948	342.02881	178.80856	871.65336	66.23843	64.34565	121.28657	1.03E-07	3.76E-05	5.24E-06	3.19E-11	9.63E-11	7.61E-11	5.52E-15	1.33E-13	7.36E-15	1.46229E-13	1.034E-07	3.7621E-05	5.24E-06	3.26311E-11	2.23197E-14	1.62872E-11	3.71E-15
505	570950.6	4178559	0.55, 41785	26.55575	12.00196	5.05287	679.01352	318.67052	1487.06516	280.37281	116.3834	245.48668	2.18E-07	6.42E-05	1.06E-05	6.73E-11	2.03E-10	1.61E-10	1.17E-14	2.81E-13	1.55E-14	3.08655E-13	2.182E-07	6.4182E-05	1.06E-05	6.88765E-11	4.71115E-14	3.43784E-11	7.84E-15
506	570990.6	4178559	0.55, 41785	10.52141	6.96087	4.44153	639.29991	205.65266	1371.63359	133.52138	75.6432	174.17097	1.92E-07	5.92E-05	7.52E-06	5.92E-11	1.79E-10	1.41E-10	1.02E-14	2.47E-13	1.37E-14	2.71235E-13	1.918E-07	5.9199E-05	7.52E-06	6.05263E-11	4.14E-14	3.02106E-11	6.89E-15
507	571030.6	4178559	0.55, 41785	6.12086	4.69941	3.63304	562.31532	143.87555	907.33173	97.52112	53.65332	135.00156	1.57E-07	3.92E-05	5.83E-06	4.84E-11	1.46E-10	1.15E-10	8.38E-15	2.02E-13	1.12E-14	2.21843E-13	1.568E-07	3.916E-05	5.83E-06	4.95044E-11	3.3861E-14	2.47092E-11	5.63E-15
508	571070.6	4178559	0.55, 41785	4.00501	3.46908	2.98955	291.75499	122.4909	364.39166	69.10596	41.80504	75.82917	1.29E-07	1.57E-05	3.27E-06	3.98E-11	1.2E-10	9.5E-11	6.89E-15	1.66E-13	9.19E-15	1.82542E-13	1.291E-07	1.5728E-05	3.27E-06	4.07344E-11	2.78623E-14	2.03318E-11	4.64E-15
509	571110.6	4178559	0.55, 41785	2.89394	2.70355	2.4438	288.47324	105.99812	437.78623	48.03981	36.46899	59.71453	1.06E-07	1.89E-05	2.58E-06	3.26E-11	9.83E-11	7.76E-11	5.63E-15	1.36E-13	7.51E-15	1.49216E-13	1.055E-07	1.8895E-05	2.58E-06	3.32976E-11	2.27756E-14	1.66199E-11	3.79E-15
510	571150.6	4178559	0.55, 41785	2.21115	2.17534	2.01472	240.56187	97.79178	377.92847	31.90722	30.3701	47.66793	8.7E-08	1.63E-05	2.06E-06	2.68E-11	8.1E-11	6.4E-11	4.64E-15	1.12E-13	6.19E-15	1.23016E-13	8.698E-08	1.6312E-05	2.06E-06	2.7451E-11	1.87765E-14	1.37017E-11	3.12E-15
511	571190.6	4178559	0.55, 41785	1.76303	1.79806	1.6955	177.14345	83.63267	264.27885	24.55859	26.34777	34.50528	7.32E-08	1.14E-05	1.49E-06	2.26E-11	6.82E-11	5.39E-11	3.91E-15	9.44E-14	5.21E-15	1.03524E-13	7.319E-08	1.1407E-05	1.49E-06	2.31014E-11	1.58014E-14	1.15307E-11	2.63E-15
512	571230.6	4178559	0.55, 41785	1.44054	1.50665	1.43503	192.87207	80.98435	306.26039	29.09943	22.26218	51.0434	6.19E-08	1.32E-05	2.2E-06	1.91E-11	5.77E-11	4.56E-11	3.31E-15	7.99E-14	4.41E-15	8.762E-14	6.195E-08	1.3218E-05	2.2E-06	1.95524E-11	1.33739E-14	9.75924E-12	2.23E-15
513	571270.6	4178559	0.55, 41785	1.19178	1.27042	1.20125	167.21575	71.42327	283.3883	22.32638	19.23301	35.42354	5.19E-08	1.22E-05	1.53E-06	1.6E-11	4.83E-11	3.82E-11	2.77E-15	6.69E-14	3.69E-15	7.33459E-14	5.186E-08	1.2231E-05	1.53E-06	1.63672E-11	1.11951E-14	8.16938E-12	1.86E-15

514	571310.6	4178559	0.55, 41785	1.01245	1.08581	1.02025	169.23295	65.49002	155.67948	26.6418	16.91234	25.18935	4.4E-08	6.72E-06	1.09E-06	1.36E-11	4.1E-11	3.24E-11	2.35E-15	5.68E-14	3.14E-15	6.22945E-14	4.404E-08	6.7196E-06	1.09E-06	1.3901E-11	9.50832E-15	6.93846E-12	1.58E-15
515	571350.6	4178559	0.55, 41785	0.8838	0.94242	0.90608	194.09519	63.64749	285.0024	28.90026	14.99354	40.61241	3.91E-08	1.23E-05	1.75E-06	1.21E-11	3.64E-11	2.88E-11	2.09E-15	5.04E-14	2.78E-15	5.53232E-14	3.912E-08	1.2301E-05	1.75E-06	1.23454E-11	8.44424E-15	6.16198E-12	1.4E-15
516	571390.6	4178559	0.55, 41785	0.78025	0.82372	0.8159	158.10154	57.98385	206.74246	23.81897	12.89204	30.22211	3.52E-08	8.92E-06	1.3E-06	1.09E-11	3.28E-11	2.59E-11	1.88E-15	4.54E-14	2.51E-15	4.98166E-14	3.522E-08	8.9233E-06	1.3E-06	1.11166E-11	7.60375E-15	5.54865E-12	1.27E-15
517	571430.6	4178559	0.55, 41785	0.68512	0.72115	0.71821	137.68904	52.2569	180.06144	18.93914	11.62385	25.68604	3.1E-08	7.77E-06	1.11E-06	9.57E-12	2.89E-11	2.28E-11	1.66E-15	4E-14	2.21E-15	4.38519E-14	3.1E-08	7.7717E-06	1.11E-06	9.78556E-12	6.69332E-15	4.88428E-12	1.11E-15
518	571470.6	4178559	0.55, 41785	0.60049	0.63425	0.62389	143.56241	49.93475	187.32246	19.90478	10.29716	25.60594	2.69E-08	8.09E-06	1.11E-06	8.31E-12	2.51E-11	1.98E-11	1.44E-15	3.47E-14	1.92E-15	3.80931E-14	2.693E-08	8.0851E-06	1.11E-06	8.50048E-12	5.81433E-15	4.24286E-12	9.67E-16
519	571510.6	4178559	0.55, 41785	0.52736	0.56045	0.5447	131.02036	47.72087	167.66109	18.26486	8.99798	23.11602	2.35E-08	7.24E-06	9.98E-07	7.26E-12	2.19E-11	1.73E-11	1.26E-15	3.03E-14	1.67E-15	3.3258E-14	2.351E-08	7.2365E-06	9.98E-07	7.42154E-12	5.07634E-15	3.70433E-12	8.45E-16
520	571550.6	4178559	0.55, 41785	0.46874	0.49944	0.48529	99.50634	45.73793	109.0385	14.05158	8.03042	15.4257	2.09E-08	4.71E-06	6.66E-07	6.46E-12	1.95E-11	1.54E-11	1.12E-15	2.7E-14	1.49E-15	2.96306E-14	2.095E-08	4.7064E-06	6.66E-07	6.61208E-12	4.52266E-15	3.3003E-12	7.52E-16
521	571590.6	4178559	0.55, 41785	0.42104	0.44786	0.43792	63.39282	43.98321	60.02596	9.17705	7.35207	9.24249	1.89E-08	2.59E-06	3.99E-07	5.83E-12	1.76E-11	1.39E-11	1.01E-15	2.44E-14	1.35E-15	2.67383E-14	1.89E-08	2.5911E-06	3.99E-07	5.96665E-12	4.08119E-15	2.97815E-12	6.79E-16
522	570310.6	4178599	0.55, 41785	0.10507	0.08466	0.09914	83.25071	28.48032	95.05484	11.19876	3.62883	12.56574	4.28E-09	4.1E-06	5.42E-07	1.32E-12	3.99E-12	3.15E-12	2.29E-16	5.52E-15	3.05E-16	6.053E-15	4.28E-09	4.1027E-06	5.42E-07	1.35073E-12	9.23899E-16	6.74192E-13	1.54E-16
523	570350.6	4178599	0.55, 41785	0.11716	0.09561	0.10985	88.57329	30.33455	103.53599	11.44069	3.79182	12.942	4.74E-09	4.47E-06	5.59E-07	1.46E-12	4.42E-12	3.49E-12	2.53E-16	6.12E-15	3.38E-16	6.70693E-15	4.742E-09	4.4688E-06	5.59E-07	1.49665E-12	1.02371E-15	7.47027E-13	1.7E-16
524	570390.6	4178599	0.55, 41785	0.13131	0.10865	0.12235	93.2639	32.45644	112.44406	11.65799	4.05706	14.05551	5.28E-09	4.85E-06	6.07E-07	1.63E-12	4.92E-12	3.89E-12	2.82E-16	6.81E-15	3.76E-16	7.47015E-15	5.282E-09	4.8533E-06	6.07E-07	1.66697E-12	1.14021E-15	8.32037E-13	1.9E-16
525	570430.6	4178599	0.55, 41785	0.15022	0.126	0.13878	103.53542	36.02365	122.12845	12.94193	4.50296	15.26606	5.99E-09	5.27E-06	6.59E-07	1.85E-12	5.58E-12	4.41E-12	3.2E-16	7.73E-15	4.27E-16	8.47334E-15	5.991E-09	5.2713E-06	6.59E-07	1.89083E-12	1.29333E-15	9.43773E-13	2.15E-16
526	570470.6	4178599	0.55, 41785	0.17421	0.14819	0.15942	115.63183	39.91557	131.63773	14.45398	5.34922	16.45472	6.88E-09	5.68E-06	7.1E-07	2.12E-12	6.41E-12	5.06E-12	3.67E-16	8.88E-15	4.9E-16	9.73359E-15	6.882E-09	5.6817E-06	7.1E-07	2.17205E-12	1.48568E-15	1.08414E-12	2.47E-16
527	570510.6	4178599	0.55, 41785	0.20799	0.17912	0.18803	128.15759	44.54205	154.67263	16.0197	6.36274	19.33408	8.12E-09	6.68E-06	8.35E-07	2.5E-12	7.56E-12	5.97E-12	4.33E-16	1.05E-14	5.78E-16	1.14805E-14	8.117E-09	6.6759E-06	8.35E-07	2.56187E-12	1.75232E-15	1.27871E-12	2.92E-16
528	570550.6	4178599	0.55, 41785	0.25382	0.22088	0.22625	141.74172	51.90419	182.47104	17.71771	7.41488	22.80888	9.77E-09	7.88E-06	9.85E-07	3.01E-12	9.1E-12	7.19E-12	5.22E-16	1.26E-14	6.95E-16	1.38142E-14	9.767E-09	7.8757E-06	9.85E-07	3.08263E-12	2.10852E-15	1.53864E-12	3.51E-16
529	570590.6	4178599	0.55, 41785	0.31442	0.27626	0.27638	161.8077	62.94071	207.9054	20.22596	8.27119	25.98817	1.19E-08	8.97E-06	1.12E-06	3.68E-12	1.11E-11	8.78E-12	6.37E-16	1.54E-14	8.49E-16	1.6875E-14	1.193E-08	8.9735E-06	1.12E-06	3.76567E-12	2.57572E-15	1.87957E-12	4.29E-16
530	570630.6	4178599	0.55, 41785	0.39904	0.35395	0.34775	187.04764	77.01967	233.41259	23.38095	12.20463	29.17657	1.5E-08	1.01E-05	1.26E-06	4.63E-12	1.4E-11	1.1E-11	8.02E-16	1.94E-14	1.07E-15	2.12328E-14	1.501E-08	1.0075E-05	1.26E-06	4.73811E-12	3.24087E-15	2.36494E-12	5.39E-16
531	570670.6	4178599	0.55, 41785	0.52025	0.46779	0.4567	203.91154	89.67976	314.96286	27.18561	17.16092	39.37036	1.97E-08	1.36E-05	1.7E-06	6.08E-12	1.84E-11	1.45E-11	1.05E-15	2.54E-14	1.4E-15	2.78851E-14	1.972E-08	1.3594E-05	1.7E-06	6.22257E-12	4.25623E-15	3.10588E-12	7.08E-16
532	570710.6	4178599	0.55, 41785	0.68748	0.63563	0.62617	226.5911	101.22552	383.25212	32.37016	22.387	47.90652	2.7E-08	1.65E-05	2.07E-06	8.34E-12	2.52E-11	1.99E-11	1.44E-15	3.49E-14	1.92E-15	3.82324E-14	2.703E-08	1.6542E-05	2.07E-06	8.53158E-12	5.8356E-15	4.25838E-12	9.71E-16
533	570750.6	4178599	0.55, 41785	0.91976	0.89022	0.88415	243.41497	114.05895	499.75889	34.77357	31.00996	69.4997	3.82E-08	2.16E-05	3E-06	1.18E-11	3.56E-11	2.81E-11	2.04E-15	4.92E-14	2.72E-15	5.39838E-14	3.817E-08	2.157E-05	3E-06	1.20465E-11	8.23981E-15	6.0128E-12	1.37E-15
534	570790.6	4178599	0.55, 41785	1.20615	1.22781	1.16033	261.32328	130.44037	537.17009	39.31654	39.06207	73.65107	5.01E-08	2.32E-05	3.18E-06	1.55E-11	4.67E-11	3.69E-11	2.67E-15	6.46E-14	3.57E-15	7.08476E-14	5.009E-08	2.3185E-05	3.18E-06	1.58097E-11	1.08138E-14	7.8911E-12	1.8E-15
535	570830.6	4178599	0.55, 41785	1.86035	2.06593	1.53512	307.79075	158.37727	606.96091	57.33573	51.17396	80.52216	6.63E-08	2.62E-05	3.48E-06	2.05E-11	6.18E-11	4.88E-11	3.54E-15	8.55E-14	4.72E-15	9.37386E-14	6.628E-08	2.6197E-05	3.48E-06	2.09178E-11	1.43078E-14	1.04407E-11	2.38E-15
536	570870.6	4178599	0.55, 41785	2.81953	3.8452	1.88016	429.66876	238.19724	679.18896	77.96533	87.47681	90.64703	8.12E-08	2.93E-05	3.91E-06	2.51E-11	7.56E-11	5.98E-11	4.34E-15	1.05E-13	5.78E-15	1.14828E-13	8.119E-08	2.9315E-05	3.91E-06	2.5624E-11	1.75268E-14	1.27898E-11	2.92E-15
537	570910.6	4178599	0.55, 41785	4.21414	6.38342	2.32175	555.65098	273.48442	945.27353	124.98504	103.73159	124.24769	1E-07	4.08E-05	5.36E-06	3.09E-11	9.34E-11	7.38E-11	5.35E-15	1.29E-13	7.14E-15	1.41824E-13	1.003E-07	4.0799E-05	5.36E-06	3.1648E-11	2.16473E-14	1.57965E-11	3.6E-15
538	570950.6	4178599	0.55, 41785	4.59898	4.54538	2.28746	563.80012	195.03038	769.06119	96.52509	58.5202	125.1466	9.88E-08	3.32E-05	5.4E-06	3.05E-11	9.2E-11	7.27E-11	5.27E-15	1.27E-13	7.03E-15	1.39704E-13	9.877E-08	3.3193E-05	5.4E-06	3.11749E-11	2.13237E-14	1.55604E-11	3.55E-15
539	570990.6	4178599	0.55, 41785	3.82228	3.4158	2.10211	387.45867	157.86758	722.29473	74.93195	45.58999	97.36969	9.08E-08	3.12E-05	4.2E-06	2.8E-11	8.46E-11	6.68E-11	4.85E-15	1.17E-13	6.46E-15	1.28372E-13	9.076E-08	3.1175E-05	4.2E-06	2.86462E-11	1.9594E-14	1.42982E-11	3.26E-15
540	571030.6	4178599	0.55, 41785	3.02247	2.69987	1.99871	442.17309	124.03841	776.22539	67.82636	38.72372	97.59907	8.63E-08	3.35E-05	4.21E-06	2.66E-11	8.04E-11	6.35E-11	4.61E-15	1.11E-13	6.14E-15	1.22048E-13	8.629E-08	3.3502E-05	4.21E-06	2.7235E-11	1.86288E-14	1.35939E-11	3.1E-15
541	571070.6	4178599	0.55, 41785	2.43201	2.20804	1.81695	323.32852	105.96293	523.5768	49.87717	32.54487	75.45431	7.84E-08	2.26E-05	3.26E-06	2.42E-11	7.31E-11	5.77E-11	4.19E-15	1.01E-13	5.58E-15	1.10945E-13	7.844E-08	2.2598E-05	3.26E-06	2.47574E-11	1.6934E-14	1.23572E-11	2.82E-15
542	571110.6	4178599	0.55, 41785	1.9361	1.83698	1.53551	285.52756	89.63178	395.42144	42.26506	28.59229	57.87538	6.63E-08	1.71E-05	2.5E-06	2.05E-11	6.18E-11	4.88E-11	3.54E-15	8.55E-14	4.72E-15	9.37591E-14	6.629E-08	1.7067E-05	2.5E-06	2.09224E-11	1.43109E-14	1.0443E-11	2.38E-15
543	571150.6	4178599	0.55, 41785	1.58315	1.55537	1.34493	182.41041	88.91432	301.39134	29.75311	25.20352	37.67392	5.81E-08	1.3E-05	1.63E-06	1.79E-11	5.41E-11	4.27E-11	3.1E-15	7.49E-14	4.13E-15	8.21212E-14	5.806E-08	1.3008E-05	1.63E-06	1.83254E-11	1.25346E-14	9.14678E-12	2.09E-15
544	571190.6	4178599	0.55, 41785	1.33739	1.33597	1.20735	189.26194	77.8274	237.13522	24.55337	21.99349	31.52399	5.21E-08	1.02E-05	1.36E-06	1.61E-11	4.86E-11	3.84E-11	2.78E-15	6.72E-14	3.71E-15	7.37195E-14	5.212E-08	1.0235E-05	1.36E-06	1.64505E-11	1.12522E-14	8.21099E-12	1.87E-15
545	571230.6	4178599	0.55, 41785	1.14183	1.1549	1.07779	177.02423	70.01737	247.02933	25.42204	18.83046	36.19826	4.65E-08	1.07E-05	1.56E-06	1.44E-11	4.34E-11	3.42E-11	2.48E-15	6E-14	3.31E-15	6.58081E-14	4.653E-08	1.0662E-05	1.56E-06	1.46851E-11	1.00446E-14	7.3298E-12	1.67E-15
546	571270.6	4178599	0.55, 41785	0.97959	1.00523	0.95378	160.46118	68.49541	236.51718	22.92303	16.81937	33.9008	4.12E-08	1.02E-05	1.46E-06	1.27E-11	3.84E-11	3.03E-11	2.2E-15	5.31E-14	2.93E-15	5.82359E-14	4.117E-08	1.0208E-05	1.46E-06	1.29954E-11	8.88883E-15	6.4864E-12	1.48E-15
547	571310.6	4178599	0.55, 41785	0.84011	0.87488	0.82502	131.92842	62.86665	193.55215	16.49105	15.16442	24.19402	3.56E-08	8.35E-06	1.04E-06	1.1E-11	3.32E-11	2.62E-11	1.9E-15	4.59E-14	2.54E-15	5.03742E-14	3.562E-08	8.354E-06	1.04E-06	1.1241E-11	7.68885E-15	5.61075E-12	1.28E-15
548	571350.6	4178599	0.55, 41785	0.73896	0.77159	0.73066	149.85158	58.69155	153.82017	22.55392	13.49962	22.49489	3.15E-08	6.64E-06	9.71E-07	9.73E-12	2.94E-11	2.32E-11	1.68E-15	4.07E-14	2.25E-15	4.46127E-14	3.154E-08	6.6393E-06	9.71E-07	9.95533E-12	6.80945E-15	4.96902E-12	1.13E-15
549	571390.6	4178599	0.55, 41785	0.661	0.68563	0.66671	168.50279	56.32456	235.09945	24.41155	12.10471	32.40344	2.88E-08	1.01E-05	1.4E-06	8.88E-12	2.68E-11	2.12E-11	1.54E-15	3.71E-14	2.05E-15	4.07077E-14	2.878E-08	1.0147E-05	1.4E-06	9.08394E-12	6.21341E-15	4.53408E-12	1.03E-15
550	571430.6	4178599	0.55, 41785	0.59511	0.61204	0.61151	136.17098	51.76249	171.68803	20.03651	10.61326	24.28892	2.64E-08	7.41E-06	1.05E-06	8.15E-12	2.46E-11	1.94E-11	1.41E-15	3.4E-14	1.88E-15	3.7337E-14	2.64E-08	7.4103E-06	1.05E-06	8.33177E-12	5.69893E-15	4.15865E-12	9.48E-16
551	571470.6	4178599	0.55, 41785	0.53051	0.54561	0.54811	117.9441	47.17442	154.11151	16.84916	9.40387	22.01593	2.37E-08	6.65E-06	9.5E-07	7.3E-12	2.2E-11	1.74E-11	1.26E-15	3.05E-14	1.68E-15	3.3466E-14	2.366E-08	6.6517E-06	9.5E-07	7.46794E-12	5.10807E-15	3.72749E-12	8.5E-16
552	571510.6	4178599	0.55, 41785	0.47218	0.48877	0.48576	120.07824	45.51387	145.12306	16.38718	8.49605	19.65912	2.1E-08	6.26E-06	8.49E-07	6.47E-12	1.95E-11	1.54E-11	1.12E-15	2.7E-14	1.49E-15	2.96592E-14	2.097E-08	6.2638E-06	8.49E-07	6.61845E-12	4.52702E-15	3.30348E-12	7.53E-16
553	571550.6	4178599	0.55, 41785	0.42043	0.43954	0.43052	119.99429	43.92883	151.34582	16.43506	7.56489	20.5622	1.86E-08	6.53E-06	8.88E-07	5.74E-12	1.73E-11	1.37E-11	9.92E-16	2.4E-14	1.32E-15	2.62865E-14	1.859E-08	6.5323E-06	8.88E-07	5.86583E-12	4.01223E-15	2.92782E-12	6.68E-16
554	571590.6	4178599	0.55, 41785	0.37632	0.39688	0.38556	100.33698	42.40478	116.86516	13.86046	7.00095	16.11187	1.66E-08	5.04E-06	6.96E-07	5.14E-12	1.55E-11	1.22E-11	8.89E-16	2.15E-14	1.19E-15	2.35414E-14	1.664E-08	5.0442E-06	6.96E-07	5.25326E-12	3.59323E-15	2.62207E-12	5.98E-16
555	570310.6	4178639	0.55, 41786	0.10356	0.08559	0.09711	83.92303	29.66661	96.15389	10.49038	3.70833	12.01924	4.19E-09	4.15E-06	5.19E-07	1.29E-12	3.91E-12	3.09E-12	2.24E-16	5.41E-15	2.98E-16	5.9291E-15	4.192E-09	4.1502E-06	5.19E-07	1.32308E-12	9.04987E-16	6.60392E-13	1.51E-16
556	570350.6	4178639	0.55, 41786	0.1161	0.09716	0.10841	92.63397	32.60646	103.61771	11.57925	4.08084	12.95221	4.68E-09	4.47E-06	5.59E-07	1.44E-12	4.36E-12	3.44E-12	2.5E-16	6.04E-15	3.33E-16	6.61905E-15	4.68E-09	4.4723E-06	5.59E-07	1.47704E-12	1.0103E-15	7.3724E-13	1.68E-16
557	570390.6	4178639	0.55, 41786	0.13068	0.11086	0.1215	100.54346	34.97331	116.66288	12.56793	4.70976	14.58286	5.24E-09	5.04E-06	6.3E-07	1.62E-12	4.89E-12	3.86E-12	2.8E-16	6.76E-15	3.73E-16	7.4183E-15	5.245E-09	5.0354E-06	6.3E-07	1.6554E-12	1.13229E-15	8.26261E-13	1.88E-16
558	570430.6	4178639	0.55, 41786	0.14929	0.12834	0.13819	107.49924	37.52244	130.89362	13.4374	5.36035	16.3617	5.97E-09	5.65E-06	7.06E-07	1.84E-12	5.56E-12	4.39E-12	3.19E-16	7.69E-15	4.25E-16	8.43736E-15	5.965E-09	5.6496E-06	7.06E-07	1.8828E-12	1.28783E-15	9.39765E-13	2.14E-16
559	570470.6	4178639	0.55, 41786	0.17443	0.15183	0.16061	116.62505	42.4162	145.19757	14.57813	6.05946	18.1497	6.93E-09	6.27E-06	7.83E-07	2.14E-12	6.46E-12	5.1E-12	3.7E-16	8.94E-15	4.94E-16	9.80628E-15	6.933E-09	6.2669E-06	7.83E-07	2.18828E-12	1.49678E-15	1.09224E-12	2.49E-16
560	570510.6	4178639	0.55, 41786	0.20768	0.18277	0.19013	127.00459	48.18252	156.06863	15.87557	6.71257	19.50858	8.21E-09	6.74E-06	8.42E-07	2.53E-12	7.65E-12	6.04E-12	4.38E-16	1.06E-14	5.84E-16	1.16087E-14	8.208E-09	6.7362E-06	8.42E-07	2.59049E-12	1.77189E-15	1.293E-12	2.95E-16
561	570550.6	4178639	0.55, 41786	0.2504	0.22269	0.22841	148.76746	59.99627	172.72318	18.59593	7.58374	21.5904	9.86E-09	7.46E-06	9.32E-07	3.04E-12	9.19E-12	7.26E-12	5.26E-16	1.27E-14	7.02E-16	1.3946E-14	9.86E-09	7.4551E-06	9.32E-07	3.11206E-12	2.12865E-15	1.55333E-12	3.54E-16
562	570590.6	4178639	0.55, 41786	0.30521	0.27478	0.27907	162.38276	69.4472	222.88998	20.29784	10.74133	27.86125	1.2E-08	9.62E-06	1.2E-06	3.72E-12	1.12E-11	8.87E-12	6.43E-16	1.55E-14	8.58E-16	1.70392E-14	1.205E-08	9.6203E-06	1.2E-06	3.8023E-12	2.60078E-15	1.89785E-12	4.33E-16
563	570630.6	4178639	0.55, 41786	0.37839	0.34592	0.35098	177.15033	78.68271	266.26636	23.7109	14.16715	33.28329	1.52E-08	1.15E-05	1.44E-06	4.68E-12	1.41E-11	1.12E-11	8.09E-16	1.95E-14	1.08E-15	2.14298E-14	1.515E-08	1.1492E-05	1.44E-06	4.78207E-12	3.27094E-15	2.38688E-12	5.44E-16
564	570670.6	4178639	0.55, 41786	0.47152	0.44129	0.44999	194.04584	86.02037	313.51443	27.72083	17.24466	39.1893	1.94E-08	1.35E-05	1.69E-06	5.99E-12	1.81E-11	1.43E-11	1.04E-15	2.51E-14	1.38E-15	2.7475E-14	1.943E-08	1.3532E-05	1.69E-06	6.13106E-12	4.19364E-15	3.06021E-12	6.98E-16
565	570710.6	4178639	0.55, 41786	0.59058	0.57043	0.57865	207.44684	93.90742	372.29223	29.63526	21.88085	53.1846	2.5E-08	1.61E-05	2.3E-06	7.71E-12	2.33E-11	1.84E-11	1.33E-15	3.22E-14	1.78E-15	3.53306E-14	2.498E-08	1.6068E-05	2.3E-06	7.88404E-12	5.39268E-15	3.93518E-12	8.97E-16
566	570750.6	4178639	0.55, 41786	0.7421	0.74424	0.7234	219.27007	107.04803	379.32522	31.3243	27.05481	52.15596	3.12E-08	1.64E-05	2.25E-06	9.64E-12	2.91E-11	2.3E-11	1.67E-15	4.03E-14	2.22E-15	4.41691E-14	3.123E-08	1.6372E-05	2.25E-06	9.85635E-12	6.74174E-15	4.91962E-12	1.12E-15
567	570790.6	4178639	0.55, 41786	0.94425	0.97087	0.85006	237.37937	117.94026	412.19598	33.01145	30.70173	55.76703	3.67E-08	1.78E-05	2.41E-06	1.13E-11	3.42E-11	2.7E-11	1.96E-15	4.73E-14	2.61E-15	5.19042E-14	3.67E-08	1.7791E-05	2.41E-06	1.15824E-11	7.92239E-15	5.78117E-12	1.32E-15
568	570830.6	4178639	0.55, 41786	1.23329	1.33292	0.96284	295.25944	130.22679	473.13116	42.69044	39.99654	61.26658	4.16E-08	2.04E-05	2.64E-06	1.28E-11	3.87E-11	3.06E-11	2.22E-15	5.36E-14	2.96E-15	5.87943E-14	4.157E-08	2.0421E-05	2.64E-06	1.312E-11	8.97406E-15	6.5486E-12	1.49E-15
569	570870.6	4178639	0.55, 41786	1.50989	1.73214	1.20169	317.24906	188.19869	615.93486	58.25942	53.82297	76.99186	5.19E-08	2.66E-05	3.32E-06	1.6E-11	4.83E-11	3.82E-11	2.77E-15	6.69E-14	3.69E-15	7.33803E-14	5.188E-08	2.6585E-05	3.32E-06	1.63748E-11	1.12004E-14	8.1732E-12	1.86E-15
570	570910.6	4178639	0.55, 41786	1.78259	1.99297	1.30656	332.58479	179.86407	638.76492	63.94152	52.98497	79.84561	5.64E-08	2.76E-05	3.45E-06	1.74E-11	5.26E-11	4.15E-11	3.01E-15	7.28E-14	4.02E-15	7.9786E-14	5.641E-08	2.757E-05	3.45E-06	1.78043E-11	1.21781E-14	8.88668E-12	2.03E-15
571	570950.6	4178639	0.55, 41786	1.86524	1.94862	1.2876	326.77204	147.92341	425.10208	57.64661	41.4452	82.66786	5.56E-08	1.83E-05	3.57E-06	1.72E-11	5.18E-11	4.09E-11	2.97E-15	7.17E-14	3.96E-15	7.86281E-14	5.559E-08	1.8348E-05	3.57E-06	1.75459E-11	1.20014E-14	8.75772E-12	2E-15
572	570990.6	4178639	0.55, 41786	1.76592	1.78245	1.25006	311.73236	122.31574	573.48464	43.80696	33.57582	91.70195	5.4E-08	2.48E-05	3.96E-06	1.67E-11	5.03E-11	3.97E-11	2.88E-15	6.96E-14	3.84E-15	7.6334E-14	5.397E-08	2.4752E-05	3.96E-06	1.7034E-11	1.16512E-14	8.50219E-12	1.94E-15
573	571030.6	4178639	0.55, 41786	1.5977	1.58915	1.17717	263.38378	106.70114	334.97263	40.88022	26.80487	57.79917	5.08E-08	1.45E-05	2.49E-06	1.57E-11	4.74E-11	3.74E-11	2.71E-15	6.55E-14	3.62E-15	7.18816E-14	5.082E-08	1.4458E-05	2.49E-06	1.60404E-11	1.09716E-14	8.00628E-12	1.83E-15
574	571070.6	4178639	0.55, 41786	1.42629	1.41473	1.18099	323.91584	92.06505	516.79706	44.84431	24.93328	64.76299	5.1E-08	2.23E-05	2.8E-06	1.57E-11	4.75E-11	3.75E-11	2.72E-15	6.58E-14	3.63E-15	7.21118E-14	5.099E-08	2.2305E-05	2.8E-06	1.60918E-11	1.10068E-14	8.03192E-12	1.83E-15
575	571110.6	4178639	0.55, 41786	1.27265	1.25146	1.07066	231.49813	85.11921	353.08688	34.4516	22.95032	48.16161	4.62E-08	1.52E-05	2.08E-06	1.43E-11	4.31E-11	3.4E-11	2.47E-15	5.96E-14	3.29E-15	6.53745E-14	4.622E-08	1.5239E-05	2.08E-06	1.45883E-11	9.97843E-15	7.28151E-12	1.66E-15
576	571150.6	4178639	0.55, 41786	1.10067	1.1079	0.9372	235.36335	78.49538	345.02109	33.92291	20.75102	48.66179	4.05E-08	1.49E-05	2.1E-06	1.25E-11	3.77E-11	2.98E-11	2.16E-15	5.22E-14	2.88E-15	5.72256E-14	4.046E-08	1.4891E-05	2.1E-06	1.27699E-11	8.73462E-15	6.37387E-12	1.45E-15
577	571190.6	4178639	0.55, 41786	0.96404	0.98605	0.85109	150.10185	73.9658	197.92558	22.00887	18.66835	28.93746	3.67E-08	8.54E-06	1.25E-06	1.13E-11	3.42E-11	2.7E-11	1.96E-15	4.74E-14	2.62E-15	5.19674E-14	3.674E-08	8.5429E-06	1.25E-06	1.15965E-11	7.93203E-15	5.7882E-12	1.32E-15
578	571230.6	4178639	0.55, 41786	0.85847	0.87787	0.78438	130.71922	65.23747	181.52397	20.98447	16.26127	28.21366	3.39E-08	7.83E-06	1.22E-06	1.04E-11	3.16E-11	2.49E-11	1.81E-15	4.37E-14	2.41E-15	4.78936E-14	3.386E-08	7.835E-06	1.22E-06	1.06875E-11	7.31022E-15	5.33445E-12	1.22E-15
579	571270.6	4178639	0.55, 41786	0.76521	0.78388	0.72231	147.71702	61.52416	210.17535	22.46264	14.29709	35.02922	3.12E-08	9.07E-06	1.51E-06	9.62E-12	2.91E-11	2.29E-11	1.66E-15	4.02E-14	2.22E-15	4.41032E-14	3.118E-08	9.0715E-06	1.51E-06	9.84164E-12	6.73168E-15	4.91228E-12	1.12E-15
580	571310.6	4178639	0.55, 41786	0.67814	0.70066	0.65218	136.41117	59.8434	199.34802	17.34958	13.40052	24.9185	2.82E-08	8.6E-06	1.08E-06	8.69E-12	2.62E-11	2.07E-11	1.5E-15	3.63E-14	2E-15	3.9821E-14	2.815E-08	8.6041E-06	1.08E-06	8.88608E-12	6.07808E-15	4.43533E-12	1.01E-15
581	571350.6	4178639	0.55, 41786	0.60279	0.6273	0.58324	124.67819	56.4143	162.56927	15.58477	12.33978	20.32116	2.52E-08	7.02E-06	8.77E-07	7.77E-12	2.35E-11	1.85E-11	1.34E-15	3.25E-14	1.79E-15	3.56117E-14	2.518E-08	7.0168E-06	8.77E-07	7.94676E-12	5.43558E-15	3.96648E-12	9.04E-16
582	571390.6	4178639	0.55, 41786	0.54567	0.56561	0.53406	134.64293	53.30447	146.45838	19.4501	11.04071	20.47738	2.31E-08	6.32E-06	8.84E-07	7.11E-12	2.15E-11	1.7E-11	1.23E-15	2.97E-14	1.64E-15	3.26087E-14	2.306E-08	6.3215E-06	8.84E-07	7.27664E-12	4.97722E-15	3.632E-12	8.28E-16
583	571430.6	4178639	0.55, 41786	0.50035	0.51255	0.49968	147.79016	50.85435	197.85336	20.77571	9.97795	26.64502	2.16E-08	8.54E-06	1.15E-06	6.66E-12	2.01E-11	1.59E-11	1.15E-15	2.78E-14	1.54E-15	3.05092E-14	2.157E-08	8.5396E-06	1.15E-06	6.80815E-12	4.65677E-15	3.39816E-12	7.75E-16
584	571470.6	4178639	0.55, 41786	0.45884	0.46513	0.46599	118.76181	47.03177	145.5886	16.94782	8.9119	19.9832	2.01E-08	6.28E-06	8.63E-07	6.21E-12	1.87E-11	1.48E-11	1.07E-15	2.59E-14	1.43E-15	2.8452E-14	2.012E-08	6.2839E-06	8.63E-07	6.34907E-12	4.34277E-15	3.16903E-12	7.23E-16
585	571510.6	4178639	0.55, 41786	0.41516	0.4204	0.42431	105.04191	43.02213	132.76114	15.00599	7.61313	18.96588	1.83E-08	5.73E-06	8.19E-07	5.65E-12	1.71E-11	1.35E-11	9.78E-16	2.36E-14	1.3E-15	2.59071E-14	1.832E-08	5.7302E-06	8.19E-07	5.78118E-12	3.95432E-15	2.88557E-12	6.58E-16
586	571550.6	4178639	0.55, 41786	0.37489	0.38245	0.3824	101.59712	41.64808	125.74417	13.25702	7.0054	15.71802	1.65E-08	5.43E-06	6.79E-07	5.09E-12	1.54E-11	1.21E-11	8.81E-16	2.13E-14	1.18E-15	2.33482E-14	1.651E-08	5.4274E-06	6.79E-07	5.21017E-12	3.56376E-15	2.60056E-12	5.93E-16
587	571590.6	4178639	0.55, 41786	0.33863	0.34937	0.34405	106.83121	40.48294	130.44071	14.45913	6.53587	17.55635	1.49E-08	5.63E-06	7.58E-07	4.58E-12	1.38E-11	1.09E-11	7.93E-16	1.92E-14	1.06E-15	2.10068E-14	1.485E-08	5.63E-06	7.58E-07	4.68767E-12	3.20637E-15	2.33977E-12	5.33E-16
588	570310.6	4178679	0.55, 41786	0.10291	0.0869	0.09701	88.39628	30.98258	103.31105	11.04953	4.21243	12.91388	4.19E-09	4.46E-06	5.57E-07	1.29E-12	3.9E-12	3.08E-12	2.24E-16	5.4E-15	2.98E-16	5.92301E-15	4.188E-09	4.4591E-06	5.57E-07	1.32172E-12	9.04058E-16	6.59714E-13	1.5E-16
589	570350.6	4178679	0.55, 41786	0.11574	0.09888	0.10892	93.23081	33.32166	112.3331	11.65385	4.76024	14.04164	4.7E-09	4.85E-06	6.06E-07	1.45E-12	4.38E-12	3.46E-12	2.51E-16	6.06E-15	3.35E-16	6.65021E-15	4.702E-09	4.8485E-06	6.06E-07	1.484E-12	1.01505E-15	7.4071E-13	1.69E-16
590	570390.6	4178679	0.55, 41786	0.13137	0.11361	0.12342	99.39798	36.831	119.21549	12.42475	5.26157	14.90194	5.33E-09	5.15E-06	6.43E-07	1.64E-12	4.96E-12	3.92E-12	2.84E-16	6.87E-15	3.79E-16	7.53554E-15	5.328E-09	5.1455E-06	6.43E-07	1.68156E-12	1.15019E-15	8.3932E-13	1.91E-16
591	570430.6	4178679	0.55, 41786	0.15074	0.13191	0.14135	105.99103	39.73692	126.723	13.24888	5.6767	15.84037	6.1E-09	5.47E-06	6.84E-07	1.88E-12	5.69E-12	4.49E-12	3.26E-16	7.87E-15	4.34E-16	8.6303E-15	6.102E-09	5.4696E-06	6.84E-07	1.92586E-12	1.31728E-15	9.61256E-13	2.19E-16
592	570470.6	4178679	0.55, 41786	0.17494	0.15487	0.16378	121.69462	47.75873	135.7735	15.21183	5.96984	16.97169	7.07E-09	5.86E-06	7.33E-07	2.18E-12	6.59E-12	5.2E-12	3.78E-16	9.12E-15	5.03E-16	9.99983E-15	7.07E-09	5.8603E-06	7.33E-07	2.23146E-12	1.52632E-15	1.1138E-12	2.54E-16
593	570510.6	4178679	0.55, 41786	0.2057	0.18414	0.19253	135.37794	56.46386	170.3708	16.92224	7.12807	21.29635	8.31E-09	7.35E-06	9.19E-07	2.56E-12	7.74E-12	6.12E-12	4.44E-16	1.07E-14	5.92E-16	1.17552E-14	8.311E-09	7.3535E-06	9.19E-07	2.62318E-12	1.79426E-15	1.30931E-12	2.99E-16
594	570550.6	4178679	0.55, 41786	0.2434	0.22078	0.22908	142.10791	62.60325	200.29273	17.76349	9.55219	25.03659	9.89E-09	8.64E-06	1.08E-06	3.05E-12	9.21E-12	7.28E-12	5.28E-16	1.28E-14	7.04E-16	1.39869E-14	9.889E-09	8.645E-06	1.08E-06	3.12118E-12	2.13488E-15	1.55788E-12	3.55E-16
595	570590.6	4178679	0.55, 41786	0.29132	0.2684	0.27784	157.44437	70.02377	210.9671	21.20731	12.01595	26.37089	1.2E-08	9.11E-06	1.14E-06	3.7E-12	1.12E-11	8.83E-12	6.4E-16	1.55E-14	8.54E-16	1.6964E-14	1.199E-08	9.1057E-06	1.14E-06	3.78552E-12	2.5893E-15	1.88948E-12	4.31E-16
596	570630.6	4178679	0.55, 41786	0.34871	0.32823	0.33909	170.78411	74.6949	263.98396	24.39773	14.09383	33.40233	1.46E-08	1.14E-05	1.44E-06	4.52E-12	1.36E-11	1.08E-11	7.82E-16	1.89E-14	1.04E-15	2.07037E-14	1.464E-08	1.1394E-05	1.44E-06	4.62004E-12	3.16011E-15	2.30601E-12	5.26E-16
597	570670.6	4178679	0.55, 41786	0.41782	0.40379	0.41108	181.29369	80.27499	295.25985	25.8991	15.99045	42.12286	1.77E-08	1.27E-05	1.82E-06	5.48E-12	1.65E-11	1.31E-11	9.48E-16	2.29E-14	1.26E-15	2.50993E-14	1.775E-08	1.2744E-05	1.82E-06	5.60091E-12	3.83102E-15	2.79559E-12	6.37E-16
598	570710.6	4178679	0.55, 41786	0.49876	0.49687	0.48618	185.88712	90.92914	287.65142	26.5553	19.21501	39.31628	2.1E-08	1.24E-05	1.7E-06	6.48E-12	1.96E-11	1.54E-11	1.12E-15	2.71E-14	1.49E-15	2.9685E-14	2.099E-08	1.2415E-05	1.7E-06	6.62421E-12	4.53096E-15	3.30635E-12	7.54E-16
599	570750.6	4178679	0.55, 41786	0.59336	0.60818	0.55751	195.07014	97.11431	330.72411	27.40212	20.89244	45.57898	2.41E-08	1.43E-05	1.97E-06	7.43E-12	2.24E-11	1.77E-11	1.29E-15	3.1E-14	1.71E-15	3.40408E-14	2.407E-08	1.4274E-05	1.97E-06	7.59622E-12	5.19581E-15	3.79151E-12	8.64E-16
600	570790.6	4178679	0.55, 41786	0.71288	0.74367	0.61675	232.56486	100.08812	327.08033	29.70634	25.09865	40.88504	2.66E-08	1.41E-05	1.76E-06	8.22E-12	2.48E-11	1.96E-11	1.42E-15	3.43E-14	1.9E-15	3.76591E-14	2.663E-08	1.4117E-05	1.76E-06	8.40364E-12	5.74809E-15	4.19452E-12	9.56E-16
601	570830.6	4178679	0.55, 41786	0.82835	0.8948	0.66469	250.25968	113.32691	367.70207	36.36599	33.16876	46.21837	2.87E-08	1.59E-05	2E-06	8.86E-12	2.67E-11	2.11E-11	1.53E-15	3.7E-14	2.04E-15	4.05878E-14	2.87E-08	1.5871E-05	2E-06	9.05719E-12	6.19512E-15	4.52073E-12	1.03E-15
602	570870.6	4178679	0.55, 41786	0.92801	1.04065	0.83445	269.45277	158.88347	492.55659	39.41339	35.15016	62.53118	3.6E-08	2.13E-05	2.7E-06	1.11E-11	3.36E-11	2.65E-11	1.92E-15	4.65E-14	2.56E-15	5.09524E-14	3.602E-08	2.1259E-05	2.7E-06	1.137E-11	7.77711E-15	5.67515E-12	1.29E-15
603	570910.6	4178679	0.55, 41786	1.03394	1.13081	0.83809	259.70616	144.94226	471.11442	42.20689	35.5523	58.8893	3.62E-08	2.03E-05	2.54E-06	1.12E-11	3.37E-11	2.66E-11	1.93E-15	4.67E-14	2.58E-15	5.11761E-14	3.618E-08	2.0334E-05	2.54E-06	1.142E-11	7.81126E-15	5.70007E-12	1.3E-15
604	570950.6	4178679	0.55, 41786	1.05684	1.13643	0.82319	242.80014	123.49716	418.67106	39.92153	30.15323	58.18912	3.55E-08	1.81E-05	2.51E-06	1.1E-11	3.31E-11	2.62E-11	1.9E-15	4.58E-14	2.53E-15	5.02668E-14	3.554E-08	1.807E-05	2.51E-06	1.1217E-11	7.67246E-15	5.59879E-12	1.28E-15
605	570990.6	4178679	0.55, 41786	1.01802	1.09421	0.82722	255.86386	105.93706	407.98363	37.15781	26.85338	67.99727	3.57E-08	1.76E-05	2.94E-06	1.1E-11	3.33E-11	2.63E-11	1.91E-15	4.61E-14	2.54E-15	5.05121E-14	3.571E-08	1.7609E-05	2.94E-06	1.12718E-11	7.7099E-15	5.62611E-12	1.28E-15
606	571030.6	4178679	0.55, 41786	0.98373	1.03259	0.8073	224.24787	96.85684	406.17161	32.03518	21.71644	50.77145	3.49E-08	1.75E-05	2.19E-06	1.08E-11	3.25E-11	2.57E-11	1.86E-15	4.5E-14	2.48E-15	4.92951E-14	3.485E-08	1.7531E-05	2.19E-06	1.10002E-11	7.52416E-15	5.49056E-12	1.25E-15
607	571070.6	4178679	0.55, 41786	0.92088	0.95493	0.77727	234.21131	81.25508	306.97474	29.84103	18.74017	38.37184	3.36E-08	1.32E-05	1.66E-06	1.04E-11	3.13E-11	2.47E-11	1.79E-15	4.33E-14	2.39E-15	4.74608E-14	3.356E-08	1.3249E-05	1.66E-06	1.05909E-11	7.24417E-15	5.28626E-12	1.21E-15
608	571110.6	4178679	0.55, 41786	0.85296	0.87816	0.75636	249.82687	76.90023	376.11255	32.83771	18.41049	47.06858	3.27E-08	1.62E-05	2.03E-06	1.01E-11	3.04E-11	2.4E-11	1.74E-15	4.21E-14	2.32E-15	4.61832E-14	3.265E-08	1.6233E-05	2.03E-06	1.03058E-11	7.04916E-15	5.14395E-12	1.17E-15
609	571150.6	4178679	0.55, 41786	0.78449	0.80428	0.7091	184.12399	71.8753	265.86204	26.94504	17.68151	37.98029	3.06E-08	1.15E-05	1.64E-06	9.45E-12	2.85E-11	2.25E-11	1.63E-15	3.95E-14	2.18E-15	4.32972E-14	3.061E-08	1.1475E-05	1.64E-06	9.66178E-12	6.60866E-15	4.8225E-12	1.1E-15
610	571190.6	4178679	0.55, 41786	0.70872	0.73542	0.64227	192.12547	69.23049	267.93218	27.25383	16.04767	37.1098	2.77E-08	1.16E-05	1.6E-06	8.56E-12	2.58E-11	2.04E-11	1.48E-15	3.58E-14	1.97E-15	3.92167E-14	2.773E-08	1.1564E-05	1.6E-06	8.75122E-12	5.98583E-15	4.36801E-12	9.96E-16
611	571230.6	4178679	0.55, 41786	0.64141	0.6715	0.58509	152.95792	62.82263	210.7281	21.78847	14.44714	29.62503	2.53E-08	9.1E-06	1.28E-06	7.79E-12	2.35E-11	1.86E-11	1.35E-15	3.26E-14	1.8E-15	3.57253E-14	2.526E-08	9.0953E-06	1.28E-06	7.97212E-12	5.45293E-15	3.97914E-12	9.07E-16
612	571270.6	4178679	0.55, 41786	0.5854	0.61191	0.54631	124.65244	57.66905	171.62004	20.54509	12.75642	28.60334	2.36E-08	7.41E-06	1.23E-06	7.28E-12	2.2E-11	1.74E-11	1.26E-15	3.04E-14	1.68E-15	3.33572E-14	2.358E-08	7.4074E-06	1.23E-06	7.44367E-12	5.09147E-15	3.71537E-12	8.47E-16
613	571310.6	4178679	0.55, 41786	0.53447	0.5582	0.50849	125.80787	55.1913	171.33448	17.97255	11.70277	24.47635	2.2E-08	7.4E-06	1.06E-06	6.77E-12	2.05E-11	1.62E-11	1.17E-15	2.83E-14	1.56E-15	3.10478E-14	2.195E-08	7.3951E-06	1.06E-06	6.92832E-12	4.73897E-15	3.45814E-12	7.88E-16
614	571350.6	4178679	0.55, 41786	0.48504	0.50906	0.46427	111.39997	53.56601	157.83086	13.925	11.19981	19.72886	2E-08	6.81E-06	8.52E-07	6.18E-12	1.87E-11	1.48E-11	1.07E-15	2.59E-14	1.43E-15	2.83477E-14	2.004E-08	6.8123E-06	8.52E-07	6.3258E-12	4.32685E-15	3.15741E-12	7.2E-16
615	571390.6	4178679	0.55, 41786	0.44312	0.4655	0.42576	107.51836	51.27371	117.14548	13.43979	10.40254	14.64318	1.84E-08	5.06E-06	6.32E-07	5.67E-12	1.71E-11	1.35E-11	9.81E-16	2.37E-14	1.31E-15	2.59963E-14	1.838E-08	5.0564E-06	6.32E-07	5.80109E-12	3.96794E-15	2.89551E-12	6.6E-16
616	571430.6	4178679	0.55, 41786	0.41031	0.42684	0.39928	122.12368	48.88835	136.65658	17.23844	9.36082	19.8196	1.72E-08	5.9E-06	8.16E-07	5.32E-12	1.61E-11	1.27E-11	9.2E-16	2.22E-14	1.23E-15	2.43793E-14	1.724E-08	5.8984E-06	8.16E-07	5.44026E-12	3.72114E-15	2.71541E-12	6.19E-16
617	571470.6	4178679	0.55, 41786	0.38401	0.39267	0.38101	130.83453	46.56818	169.29762	18.03085	8.50414	22.62935	1.64E-08	7.31E-06	9.77E-07	5.08E-12	1.53E-11	1.21E-11	8.78E-16	2.12E-14	1.17E-15	2.32636E-14	1.645E-08	7.3071E-06	9.77E-07	5.19127E-12	3.55083E-15	2.59113E-12	5.91E-16
618	571510.6	4178679	0.55, 41786	0.35733	0.36026	0.36021	104.69184	43.30646	125.50481	14.57371	7.68103	16.95061	1.55E-08	5.42E-06	7.32E-07	4.8E-12	1.45E-11	1.14E-11	8.3E-16	2.01E-14	1.11E-15	2.19934E-14	1.555E-08	5.417E-06	7.32E-07	4.90783E-12	3.35696E-15	2.44966E-12	5.59E-16
619	571550.6	4178679	0.55, 41786	0.32923	0.33046	0.33426	93.91251	40.06683	115.0705	13.41607	6.60436	16.43864	1.44E-08	4.97E-06	7.1E-07	4.45E-12	1.34E-11	1.06E-11	7.7E-16	1.86E-14	1.03E-15	2.04089E-14	1.443E-08	4.9667E-06	7.1E-07	4.55425E-12	3.11511E-15	2.27317E-12	5.18E-16
620	571590.6	4178679	0.55, 41786	0.30119	0.30402	0.3057	90.51235	37.8645	108.48539	11.49242	5.95997	13.56067	1.32E-08	4.68E-06	5.85E-07	4.07E-12	1.23E-11	9.71E-12	7.05E-16	1.7E-14	9.4E-16	1.86651E-14	1.32E-08	4.6825E-06	5.85E-07	4.16513E-12	2.84895E-15	2.07895E-12	4.74E-16
621	570310.6	4178719	0.55, 41787	0.10285	0.08839	0.09803	86.08959	31.99227	98.88317	10.7612	4.57032	12.3604	4.23E-09	4.27E-06	5.34E-07	1.31E-12	3.94E-12	3.11E-12	2.26E-16	5.46E-15	3.01E-16	5.9853E-15	4.232E-09	4.268E-06	5.34E-07	1.33562E-12	9.13565E-16	6.66651E-13	1.52E-16
622	570350.6	4178719	0.55, 41787	0.11563	0.10049	0.11012	90.6137	34.18211	105.82439	11.32671	4.88316	13.22805	4.75E-09	4.57E-06	5.71E-07	1.47E-12	4.43E-12	3.5E-12	2.54E-16	6.13E-15	3.38E-16	6.72348E-15	4.754E-09	4.5676E-06	5.71E-07	1.50035E-12	1.02624E-15	7.48871E-13	1.71E-16
623	570390.6	4178719	0.55, 41787	0.13114	0.11521	0.12472	102.01088	38.97546	110.90458	12.75136	5.08393	13.86307	5.38E-09	4.79E-06	5.98E-07	1.66E-12	5.02E-12	3.96E-12	2.87E-16	6.94E-15	3.83E-16	7.61492E-15	5.384E-09	4.7869E-06	5.98E-07	1.69927E-12	1.1623E-15	8.48161E-13	1.93E-16
624	570430.6	4178719	0.55, 41787	0.15	0.13322	0.1425	114.28488	46.41789	135.81295	14.28561	5.80224	16.97662	6.15E-09	5.86E-06	7.33E-07	1.9E-12	5.73E-12	4.53E-12	3.28E-16	7.93E-15	4.38E-16	8.70052E-15	6.152E-09	5.866E-06	7.33E-07	1.94152E-12	1.328E-15	9.69076E-13	2.21E-16
625	570470.6	4178719	0.55, 41787	0.17288	0.1553	0.16447	122.16306	52.59309	158.80652	15.27038	6.67803	19.85082	7.1E-09	6.85E-06	8.57E-07	2.19E-12	6.62E-12	5.23E-12	3.79E-16	9.16E-15	5.05E-16	1.00419E-14	7.1E-09	6.8544E-06	8.57E-07	2.24086E-12	1.53275E-15	1.11849E-12	2.55E-16
626	570510.6	4178719	0.55, 41787	0.1999	0.18201	0.19124	126.87173	56.8638	170.00598	15.85897	8.56143	21.25075	8.26E-09	7.34E-06	9.17E-07	2.55E-12	7.69E-12	6.08E-12	4.41E-16	1.06E-14	5.88E-16	1.16764E-14	8.256E-09	7.3378E-06	9.17E-07	2.6056E-12	1.78223E-15	1.30054E-12	2.97E-16
627	570550.6	4178719	0.55, 41787	0.2328	0.21534	0.22528	141.7684	62.68438	190.3461	19.27806	10.36338	23.79326	9.73E-09	8.22E-06	1.03E-06	3E-12	9.06E-12	7.16E-12	5.19E-16	1.25E-14	6.92E-16	1.37548E-14	9.725E-09	8.2157E-06	1.03E-06	3.06939E-12	2.09946E-15	1.53203E-12	3.49E-16
628	570590.6	4178719	0.55, 41787	0.2704	0.25529	0.2651	152.6333	65.86327	220.26265	21.80476	11.76563	29.62209	1.14E-08	9.51E-06	1.28E-06	3.53E-12	1.07E-11	8.42E-12	6.11E-16	1.48E-14	8.15E-16	1.61861E-14	1.144E-08	9.5068E-06	1.28E-06	3.61194E-12	2.47056E-15	1.80283E-12	4.11E-16
629	570630.6	4178719	0.55, 41787	0.31352	0.30328	0.30884	160.25221	70.5161	243.59554	22.89317	12.52474	34.32359	1.33E-08	1.05E-05	1.48E-06	4.11E-12	1.24E-11	9.81E-12	7.12E-16	1.72E-14	9.49E-16	1.88568E-14	1.333E-08	1.0514E-05	1.48E-06	4.20791E-12	2.87821E-15	2.1003E-12	4.79E-16
630	570670.6	4178719	0.55, 41787	0.36149	0.3594	0.35242	159.13882	79.23774	228.99362	22.73412	14.05012	31.24302	1.52E-08	9.88E-06	1.35E-06	4.69E-12	1.42E-11	1.12E-11	8.12E-16	1.96E-14	1.08E-15	2.15179E-14	1.521E-08	9.8838E-06	1.35E-06	4.80172E-12	3.28438E-15	2.39669E-12	5.46E-16
631	570710.6	4178719	0.55, 41787	0.41184	0.42167	0.39325	168.39934	82.78202	268.08178	23.84947	15.22445	37.49142	1.7E-08	1.16E-05	1.62E-06	5.24E-12	1.58E-11	1.25E-11	9.06E-16	2.19E-14	1.21E-15	2.40112E-14	1.698E-08	1.1571E-05	1.62E-06	5.3581E-12	3.66494E-15	2.6744E-12	6.1E-16
632	570750.6	4178719	0.55, 41787	0.46631	0.48852	0.43046	193.26616	81.97611	266.60906	24.83922	16.78199	33.32613	1.86E-08	1.15E-05	1.44E-06	5.73E-12	1.73E-11	1.37E-11	9.92E-16	2.4E-14	1.32E-15	2.62836E-14	1.858E-08	1.1507E-05	1.44E-06	5.86519E-12	4.01179E-15	2.92751E-12	6.67E-16
633	570790.6	4178719	0.55, 41787	0.5297	0.5627	0.45402	208.56721	92.88706	267.98327	26.09236	23.00092	33.50993	1.96E-08	1.16E-05	1.45E-06	6.05E-12	1.83E-11	1.44E-11	1.05E-15	2.53E-14	1.4E-15	2.77229E-14	1.96E-08	1.1567E-05	1.45E-06	6.18638E-12	4.23149E-15	3.08782E-12	7.04E-16
634	570830.6	4178719	0.55, 41787	0.58417	0.63922	0.49731	206.25232	102.59816	258.13483	28.9378	25.69667	32.26685	2.15E-08	1.11E-05	1.39E-06	6.63E-12	2E-11	1.58E-11	1.15E-15	2.77E-14	1.53E-15	3.03666E-14	2.147E-08	1.1142E-05	1.39E-06	6.77632E-12	4.635E-15	3.38228E-12	7.71E-16
635	570870.6	4178719	0.55, 41787	0.63384	0.71183	0.60618	208.40577	136.85909	408.7133	28.70976	24.7437	51.08916	2.62E-08	1.76E-05	2.21E-06	8.08E-12	2.44E-11	1.93E-11	1.4E-15	3.38E-14	1.86E-15	3.70133E-14	2.617E-08	1.7641E-05	2.21E-06	8.25952E-12	5.64951E-15	4.12259E-12	9.4E-16
636	570910.6	4178719	0.55, 41787	0.68401	0.75343	0.58123	211.07044	124.31957	366.90455	30.70854	25.49482	45.86307	2.51E-08	1.58E-05	1.98E-06	7.74E-12	2.34E-11	1.85E-11	1.34E-15	3.24E-14	1.79E-15	3.5491E-14	2.509E-08	1.5836E-05	1.98E-06	7.91983E-12	5.41717E-15	3.95304E-12	9.01E-16
637	570950.6	4178719	0.55, 41787	0.69007	0.76497	0.57081	207.10313	108.18225	376.87466	30.79195	24.65468	47.10933	2.46E-08	1.63E-05	2.03E-06	7.6E-12	2.3E-11	1.81E-11	1.32E-15	3.18E-14	1.75E-15	3.48552E-14	2.464E-08	1.6266E-05	2.03E-06	7.77794E-12	5.32011E-15	3.88222E-12	8.85E-16
638	570990.6	4178719	0.55, 41787	0.68048	0.74999	0.58632	206.58356	95.47159	294.44278	32.17827	21.60129	36.80535	2.53E-08	1.27E-05	1.59E-06	7.81E-12	2.36E-11	1.86E-11	1.35E-15	3.26E-14	1.8E-15	3.58017E-14	2.531E-08	1.2709E-05	1.59E-06	7.98915E-12	5.46458E-15	3.98764E-12	9.09E-16
639	571030.6	4178719	0.55, 41787	0.66194	0.72353	0.59736	210.3532	86.11281	328.15995	30.372	18.42489	51.15716	2.58E-08	1.42E-05	2.21E-06	7.96E-12	2.4E-11	1.9E-11	1.38E-15	3.33E-14	1.84E-15	3.64751E-14	2.579E-08	1.4164E-05	2.21E-06	8.13943E-12	5.56737E-15	4.06265E-12	9.26E-16
640	571070.6	4178719	0.55, 41787	0.64029	0.68839	0.56269	181.70859	76.31707	252.84162	22.73215	15.52213	31.6052	2.43E-08	1.09E-05	1.36E-06	7.5E-12	2.26E-11	1.79E-11	1.3E-15	3.13E-14	1.73E-15	3.43583E-14	2.429E-08	1.0913E-05	1.36E-06	7.66706E-12	5.24427E-15	3.82688E-12	8.73E-16
641	571110.6	4178719	0.55, 41787	0.60626	0.64543	0.53034	207.95149	70.27092	268.27126	26.16426	14.32632	33.53391	2.29E-08	1.16E-05	1.45E-06	7.07E-12	2.13E-11	1.69E-11	1.22E-15	2.95E-14	1.63E-15	3.23829E-14	2.29E-08	1.1579E-05	1.45E-06	7.22626E-12	4.94276E-15	3.60686E-12	8.22E-16
642	571150.6	4178719	0.55, 41787	0.57256	0.60327	0.52806	200.64391	66.12781	289.68563	25.68735	14.52342	36.23202	2.28E-08	1.25E-05	1.56E-06	7.03E-12	2.12E-11	1.68E-11	1.22E-15	2.94E-14	1.62E-15	3.22431E-14	2.28E-08	1.2503E-05	1.56E-06	7.19505E-12	4.92141E-15	3.59128E-12	8.19E-16
643	571190.6	4178719	0.55, 41787	0.53842	0.56251	0.50995	154.3512	63.9477	213.38711	22.19645	14.00077	30.48387	2.2E-08	9.21E-06	1.32E-06	6.79E-12	2.05E-11	1.62E-11	1.18E-15	2.84E-14	1.57E-15	3.11369E-14	2.201E-08	9.2101E-06	1.32E-06	6.94822E-12	4.75258E-15	3.46808E-12	7.91E-16
644	571230.6	4178719	0.55, 41787	0.49735	0.52247	0.4676	159.72675	60.41971	199.28282	22.34048	12.75874	27.30767	2.02E-08	8.6E-06	1.18E-06	6.23E-12	1.88E-11	1.49E-11	1.08E-15	2.6E-14	1.44E-15	2.85512E-14	2.019E-08	8.6014E-06	1.18E-06	6.37121E-12	4.35791E-15	3.18008E-12	7.25E-16
645	571270.6	4178719	0.55, 41787	0.45612	0.4836	0.42898	144.14128	55.22387	195.55309	20.17616	11.51496	26.9261	1.85E-08	8.44E-06	1.16E-06	5.71E-12	1.73E-11	1.36E-11	9.89E-16	2.39E-14	1.32E-15	2.61932E-14	1.852E-08	8.4403E-06	1.16E-06	5.84501E-12	3.99799E-15	2.91743E-12	6.65E-16
646	571310.6	4178719	0.55, 41787	0.42006	0.44717	0.39945	118.44349	52.26024	154.81704	17.97136	10.56882	25.80284	1.72E-08	6.68E-06	1.11E-06	5.32E-12	1.61E-11	1.27E-11	9.21E-16	2.22E-14	1.23E-15	2.439E-14	1.724E-08	6.6822E-06	1.11E-06	5.44265E-12	3.72277E-15	2.7166E-12	6.19E-16
647	571350.6	4178719	0.55, 41787	0.38785	0.41385	0.37184	109.17018	50.24459	147.83356	14.07795	10.0186	18.4792	1.61E-08	6.38E-06	7.98E-07	4.95E-12	1.5E-11	1.18E-11	8.57E-16	2.07E-14	1.14E-15	2.27042E-14	1.605E-08	6.3808E-06	7.98E-07	5.06644E-12	3.46544E-15	2.52882E-12	5.77E-16
648	571390.6	4178719	0.55, 41787	0.35875	0.38356	0.34391	87.70597	48.80309	113.13015	10.96325	9.64341	14.14127	1.48E-08	4.88E-06	6.1E-07	4.58E-12	1.38E-11	1.09E-11	7.93E-16	1.91E-14	1.06E-15	2.09988E-14	1.485E-08	4.883E-06	6.1E-07	4.68589E-12	3.20515E-15	2.33888E-12	5.33E-16
649	571430.6	4178719	0.55, 41787	0.33385	0.35563	0.32061	80.9107	47.09106	69.47289	11.59229	8.99084	10.76512	1.38E-08	3E-06	4.65E-07	4.27E-12	1.29E-11	1.02E-11	7.39E-16	1.79E-14	9.85E-16	1.95761E-14	1.384E-08	2.9989E-06	4.65E-07	4.36841E-12	2.98799E-15	2.18041E-12	4.97E-16
650	571470.6	4178719	0.55, 41787	0.31507	0.33052	0.30587	111.40642	45.19171	126.48359	15.57659	8.16367	17.53078	1.32E-08	5.46E-06	7.57E-07	4.07E-12	1.23E-11	9.72E-12	7.05E-16	1.7E-14	9.4E-16	1.86759E-14	1.32E-08	5.4593E-06	7.57E-07	4.16754E-12	2.8506E-15	2.08015E-12	4.74E-16
651	571510.6	4178719	0.55, 41787	0.29891	0.30701	0.29518	116.70467	43.07153	146.87884	15.95519	7.46065	19.6972	1.27E-08	6.34E-06	8.5E-07	3.93E-12	1.19E-11	9.38E-12	6.8E-16	1.64E-14	9.07E-16	1.8023E-14	1.274E-08	6.3395E-06	8.5E-07	4.02185E-12	2.75094E-15	2.00743E-12	4.58E-16
652	571550.6	4178719	0.55, 41787	0.28299	0.28542	0.28355	93.20798	40.2806	109.70993	12.81909	6.80365	14.78577	1.22E-08	4.74E-06	6.38E-07	3.78E-12	1.14E-11	9.01E-12	6.54E-16	1.58E-14	8.71E-16	1.73128E-14	1.224E-08	4.7353E-06	6.38E-07	3.86335E-12	2.64253E-15	1.92832E-12	4.4E-16
653	571590.6	4178719	0.55, 41787	0.2649	0.26495	0.26753	84.18961	37.57199	100.50298	12.02709	5.93847	14.35757	1.15E-08	4.34E-06	6.2E-07	3.56E-12	1.08E-11	8.5E-12	6.17E-16	1.49E-14	8.22E-16	1.63346E-14	1.155E-08	4.3379E-06	6.2E-07	3.64507E-12	2.49323E-15	1.81937E-12	4.15E-16
654	570310.6	4178759	0.55, 41787	0.10291	0.08971	0.0989	86.89901	32.22927	93.76167	10.86238	4.40505	11.72021	4.27E-09	4.05E-06	5.06E-07	1.32E-12	3.98E-12	3.14E-12	2.28E-16	5.51E-15	3.04E-16	6.03842E-15	4.269E-09	4.047E-06	5.06E-07	1.34748E-12	9.21673E-16	6.72568E-13	1.53E-16
655	570350.6	4178759	0.55, 41787	0.11544	0.10167	0.11074	97.89636	38.6449	111.66772	12.23704	4.83061	13.95846	4.78E-09	4.82E-06	6.03E-07	1.48E-12	4.45E-12	3.52E-12	2.55E-16	6.17E-15	3.4E-16	6.76134E-15	4.78E-09	4.8198E-06	6.03E-07	1.5088E-12	1.03202E-15	7.53088E-13	1.72E-16
656	570390.6	4178759	0.55, 41787	0.13027	0.11595	0.12485	105.67733	44.34348	129.76492	13.20967	5.54293	16.22061	5.39E-09	5.6E-06	7E-07	1.66E-12	5.02E-12	3.97E-12	2.88E-16	6.95E-15	3.84E-16	7.62286E-15	5.39E-09	5.6009E-06	7E-07	1.70104E-12	1.16351E-15	8.49046E-13	1.94E-16
657	570430.6	4178759	0.55, 41787	0.14773	0.133	0.14184	109.21499	48.89946	141.11126	13.65187	6.24447	17.63891	6.12E-09	6.09E-06	7.61E-07	1.89E-12	5.7E-12	4.51E-12	3.27E-16	7.9E-15	4.36E-16	8.66023E-15	6.123E-09	6.0906E-06	7.61E-07	1.93253E-12	1.32185E-15	9.64589E-13	2.2E-16
658	570470.6	4178759	0.55, 41787	0.16767	0.15301	0.16202	117.79795	52.53636	140.35154	14.72474	7.71399	17.54394	6.99E-09	6.06E-06	7.57E-07	2.16E-12	6.52E-12	5.15E-12	3.73E-16	9.02E-15	4.98E-16	9.89236E-15	6.994E-09	6.0579E-06	7.57E-07	2.20748E-12	1.50992E-15	1.10183E-12	2.51E-16
659	570510.6	4178759	0.55, 41787	0.191	0.17712	0.1864	128.29828	56.17436	171.94141	17.6792	9.03197	21.49268	8.05E-09	7.42E-06	9.28E-07	2.48E-12	7.5E-12	5.92E-12	4.3E-16	1.04E-14	5.73E-16	1.13809E-14	8.047E-09	7.4213E-06	9.28E-07	2.53966E-12	1.73713E-15	1.26762E-12	2.89E-16
660	570550.6	4178759	0.55, 41787	0.21672	0.20498	0.21341	137.63049	58.52483	184.29573	19.6615	9.95092	26.17497	9.21E-09	7.95E-06	1.13E-06	2.84E-12	8.58E-12	6.78E-12	4.92E-16	1.19E-14	6.56E-16	1.30301E-14	9.213E-09	7.9545E-06	1.13E-06	2.90767E-12	1.98885E-15	1.45131E-12	3.31E-16
661	570590.6	4178759	0.55, 41787	0.24504	0.23724	0.24166	142.23889	62.68425	205.21483	20.31984	10.25836	28.57469	1.04E-08	8.86E-06	1.23E-06	3.22E-12	9.72E-12	7.68E-12	5.57E-16	1.35E-14	7.43E-16	1.4755E-14	1.043E-08	8.8574E-06	1.23E-06	3.29259E-12	2.25213E-15	1.64343E-12	3.75E-16
662	570630.6	4178759	0.55, 41787	0.27554	0.27375	0.26892	139.19636	70.02218	188.40794	19.61007	11.07526	25.7042	1.16E-08	8.13E-06	1.11E-06	3.58E-12	1.08E-11	8.54E-12	6.2E-16	1.5E-14	8.27E-16	1.64196E-14	1.161E-08	8.1321E-06	1.11E-06	3.66403E-12	2.5062E-15	1.82884E-12	4.17E-16
663	570670.6	4178759	0.55, 41787	0.30614	0.31293	0.29402	149.31547	72.47289	221.2081	21.10931	12.07881	31.37185	1.27E-08	9.55E-06	1.35E-06	3.92E-12	1.18E-11	9.34E-12	6.78E-16	1.64E-14	9.04E-16	1.79523E-14	1.269E-08	9.5477E-06	1.35E-06	4.00607E-12	2.74015E-15	1.99956E-12	4.56E-16
664	570710.6	4178759	0.55, 41787	0.33494	0.35231	0.31792	164.794	71.08708	213.69891	21.55176	13.08376	26.71236	1.37E-08	9.22E-06	1.15E-06	4.24E-12	1.28E-11	1.01E-11	7.33E-16	1.77E-14	9.77E-16	1.94118E-14	1.372E-08	9.2236E-06	1.15E-06	4.33176E-12	2.96292E-15	2.16212E-12	4.93E-16
665	570750.6	4178759	0.55, 41787	0.36674	0.3924	0.33661	179.38877	77.68077	216.64393	22.4236	16.36841	27.08049	1.45E-08	9.35E-06	1.17E-06	4.48E-12	1.35E-11	1.07E-11	7.76E-16	1.87E-14	1.03E-15	2.05533E-14	1.453E-08	9.3508E-06	1.17E-06	4.58649E-12	3.13716E-15	2.28926E-12	5.22E-16
666	570790.6	4178759	0.55, 41787	0.40357	0.43625	0.34677	166.36606	82.34558	242.62848	21.7564	19.87746	30.35713	1.5E-08	1.05E-05	1.31E-06	4.62E-12	1.39E-11	1.1E-11	7.99E-16	1.93E-14	1.07E-15	2.11742E-14	1.497E-08	1.0472E-05	1.31E-06	4.72504E-12	3.23193E-15	2.35842E-12	5.38E-16
667	570830.6	4178759	0.55, 41787	0.43354	0.48203	0.39259	188.6599	98.62945	246.30784	24.95504	19.43466	30.78848	1.69E-08	1.06E-05	1.33E-06	5.23E-12	1.58E-11	1.25E-11	9.05E-16	2.19E-14	1.21E-15	2.39718E-14	1.695E-08	1.0631E-05	1.33E-06	5.34933E-12	3.65894E-15	2.67002E-12	6.09E-16
668	570870.6	4178759	0.55, 41787	0.46387	0.52331	0.45582	172.12292	120.25167	329.63715	21.51536	18.67269	41.20464	1.97E-08	1.42E-05	1.78E-06	6.07E-12	1.83E-11	1.45E-11	1.05E-15	2.54E-14	1.4E-15	2.78321E-14	1.968E-08	1.4228E-05	1.78E-06	6.21074E-12	4.24815E-15	3.09998E-12	7.07E-16
669	570910.6	4178759	0.55, 41787	0.49085	0.54778	0.42691	176.15826	108.72169	296.15879	23.43896	19.655	37.01985	1.84E-08	1.28E-05	1.6E-06	5.69E-12	1.72E-11	1.36E-11	9.84E-16	2.38E-14	1.31E-15	2.60678E-14	1.843E-08	1.2783E-05	1.6E-06	5.81705E-12	3.97886E-15	2.90347E-12	6.62E-16
670	570950.6	4178759	0.55, 41787	0.48762	0.55475	0.41816	180.46301	97.04885	324.78811	24.36206	20.46933	40.59851	1.81E-08	1.4E-05	1.75E-06	5.57E-12	1.68E-11	1.33E-11	9.64E-16	2.33E-14	1.29E-15	2.55338E-14	1.805E-08	1.4018E-05	1.75E-06	5.69788E-12	3.89735E-15	2.844E-12	6.48E-16
671	570990.6	4178759	0.55, 41787	0.49051	0.55159	0.43765	151.23194	87.28492	222.11928	25.20532	17.38113	28.62893	1.89E-08	9.59E-06	1.24E-06	5.83E-12	1.76E-11	1.39E-11	1.01E-15	2.44E-14	1.35E-15	2.67235E-14	1.889E-08	9.5872E-06	1.24E-06	5.96335E-12	4.07893E-15	2.9765E-12	6.79E-16
672	571030.6	4178759	0.55, 41787	0.48428	0.53663	0.45626	187.58168	78.86438	272.43541	28.06386	15.68835	45.4059	1.97E-08	1.18E-05	1.96E-06	6.08E-12	1.84E-11	1.45E-11	1.05E-15	2.54E-14	1.4E-15	2.78592E-14	1.97E-08	1.1759E-05	1.96E-06	6.21679E-12	4.25228E-15	3.103E-12	7.07E-16
673	571070.6	4178759	0.55, 41787	0.467	0.51625	0.43604	163.79974	72.83551	258.94072	22.54296	13.46245	32.36759	1.88E-08	1.12E-05	1.4E-06	5.81E-12	1.75E-11	1.39E-11	1.01E-15	2.43E-14	1.34E-15	2.66246E-14	1.882E-08	1.1176E-05	1.4E-06	5.94129E-12	4.06385E-15	2.96549E-12	6.76E-16
674	571110.6	4178759	0.55, 41787	0.44755	0.4933	0.39624	157.0432	65.36033	149.25903	19.63651	11.35189	22.10234	1.71E-08	6.44E-06	9.54E-07	5.28E-12	1.59E-11	1.26E-11	9.13E-16	2.21E-14	1.22E-15	2.41948E-14	1.711E-08	6.4425E-06	9.54E-07	5.39909E-12	3.69298E-15	2.69486E-12	6.14E-16
675	571150.6	4178759	0.55, 41787	0.4302	0.46818	0.38775	183.98767	62.14189	232.46693	23.05685	11.54043	29.05837	1.67E-08	1E-05	1.25E-06	5.17E-12	1.56E-11	1.23E-11	8.94E-16	2.16E-14	1.19E-15	2.36762E-14	1.674E-08	1.0034E-05	1.25E-06	5.28335E-12	3.61381E-15	2.63709E-12	6.01E-16
676	571190.6	4178759	0.55, 41787	0.41561	0.44245	0.39452	166.33485	59.4631	232.20811	21.02615	11.70076	29.03347	1.7E-08	1E-05	1.25E-06	5.26E-12	1.59E-11	1.25E-11	9.09E-16	2.2E-14	1.21E-15	2.4089E-14	1.703E-08	1.0022E-05	1.25E-06	5.37548E-12	3.67682E-15	2.68307E-12	6.12E-16
677	571230.6	4178759	0.55, 41787	0.39577	0.41616	0.38297	133.04594	57.55284	174.38403	19.00656	11.25795	24.912	1.65E-08	7.53E-06	1.08E-06	5.1E-12	1.54E-11	1.22E-11	8.83E-16	2.13E-14	1.18E-15	2.33836E-14	1.653E-08	7.5267E-06	1.08E-06	5.21805E-12	3.56915E-15	2.6045E-12	5.94E-16
678	571270.6	4178759	0.55, 41787	0.36933	0.38979	0.3568	133.93343	52.76944	163.09994	18.49966	10.32502	20.38749	1.54E-08	7.04E-06	8.8E-07	4.75E-12	1.44E-11	1.13E-11	8.22E-16	1.99E-14	1.1E-15	2.17857E-14	1.54E-08	7.0397E-06	8.8E-07	4.86149E-12	3.32526E-15	2.42652E-12	5.53E-16
679	571310.6	4178759	0.55, 41787	0.3411	0.36413	0.32902	131.1619	50.25063	168.23883	18.11843	9.56125	22.87944	1.42E-08	7.26E-06	9.88E-07	4.38E-12	1.32E-11	1.05E-11	7.58E-16	1.83E-14	1.01E-15	2.00896E-14	1.42E-08	7.2614E-06	9.88E-07	4.483E-12	3.06637E-15	2.23761E-12	5.1E-16
680	571350.6	4178759	0.55, 41787	0.31543	0.34037	0.30452	103.20737	47.94128	136.71003	14.62528	9.08266	18.8743	1.31E-08	5.9E-06	8.15E-07	4.06E-12	1.22E-11	9.68E-12	7.02E-16	1.7E-14	9.36E-16	1.85937E-14	1.315E-08	5.9007E-06	8.15E-07	4.14919E-12	2.83804E-15	2.07099E-12	4.72E-16
681	571390.6	4178759	0.55, 41787	0.29206	0.31801	0.28181	95.20975	46.26011	128.00267	11.90122	8.7596	16.00033	1.22E-08	5.52E-06	6.91E-07	3.75E-12	1.13E-11	8.95E-12	6.5E-16	1.57E-14	8.66E-16	1.72071E-14	1.217E-08	5.5249E-06	6.91E-07	3.83977E-12	2.6264E-15	1.91655E-12	4.37E-16
682	571430.6	4178759	0.55, 41787	0.27184	0.29676	0.26169	65.82255	44.97926	77.28464	8.48847	8.42183	11.06277	1.13E-08	3.34E-06	4.78E-07	3.49E-12	1.05E-11	8.31E-12	6.03E-16	1.46E-14	8.04E-16	1.59786E-14	1.13E-08	3.336E-06	4.78E-07	3.56563E-12	2.43889E-15	1.77972E-12	4.06E-16
683	571470.6	4178759	0.55, 41787	0.25781	0.27877	0.24855	74.19853	43.62462	66.74746	10.92817	7.8818	10.16339	1.07E-08	2.88E-06	4.39E-07	3.31E-12	1E-11	7.9E-12	5.73E-16	1.38E-14	7.64E-16	1.51762E-14	1.073E-08	2.8812E-06	4.39E-07	3.38658E-12	2.31642E-15	1.69035E-12	3.85E-16
684	571510.6	4178759	0.55, 41787	0.24715	0.26193	0.24035	102.14842	42.0514	116.58455	14.2101	7.23025	16.16505	1.04E-08	5.03E-06	6.98E-07	3.2E-12	9.67E-12	7.64E-12	5.54E-16	1.34E-14	7.39E-16	1.46754E-14	1.038E-08	5.0321E-06	6.98E-07	3.27483E-12	2.23998E-15	1.63457E-12	3.73E-16
685	571550.6	4178759	0.55, 41787	0.23772	0.24585	0.23427	104.82233	40.15762	128.89855	14.31586	6.66643	17.41071	1.01E-08	5.56E-06	7.52E-07	3.12E-12	9.42E-12	7.44E-12	5.4E-16	1.3E-14	7.2E-16	1.4304E-14	1.011E-08	5.5635E-06	7.52E-07	3.19195E-12	2.18329E-15	1.59321E-12	3.63E-16
686	571590.6	4178759	0.55, 41787	0.22808	0.23097	0.22747	83.60184	37.747	96.99907	11.46846	6.12919	13.15855	9.82E-09	4.19E-06	5.68E-07	3.03E-12	9.15E-12	7.23E-12	5.24E-16	1.27E-14	6.99E-16	1.38887E-14	9.82E-09	4.1867E-06	5.68E-07	3.09927E-12	2.1199E-15	1.54695E-12	3.53E-16
687	570310.6	4178799	0.55, 41787	0.10253	0.09048	0.09887	92.22772	37.68456	108.42661	11.52846	4.71057	13.55333	4.27E-09	4.68E-06	5.85E-07	1.32E-12	3.98E-12	3.14E-12	2.28E-16	5.5E-15	3.04E-16	6.0366E-15	4.268E-09	4.6799E-06	5.85E-07	1.34707E-12	9.21396E-16	6.72366E-13	1.53E-16
688	570350.6	4178799	0.55, 41787	0.11434	0.10195	0.11024	96.42289	41.82094	119.06345	12.05286	5.22762	14.88293	4.76E-09	5.14E-06	6.42E-07	1.47E-12	4.43E-12	3.5E-12	2.54E-16	6.14E-15	3.39E-16	6.73082E-15	4.759E-09	5.139E-06	6.42E-07	1.50199E-12	1.02736E-15	7.49689E-13	1.71E-16
689	570390.6	4178799	0.55, 41787	0.12785	0.11532	0.12365	96.70849	44.28794	121.57528	12.08856	5.83168	15.19691	5.34E-09	5.25E-06	6.56E-07	1.65E-12	4.97E-12	3.93E-12	2.85E-16	6.88E-15	3.8E-16	7.5496E-15	5.338E-09	5.2475E-06	6.56E-07	1.6847E-12	1.15233E-15	8.40885E-13	1.92E-16
690	570430.6	4178799	0.55, 41787	0.14288	0.13064	0.13911	109.4746	48.39009	132.26529	13.83026	6.97525	16.53316	6.01E-09	5.71E-06	7.14E-07	1.85E-12	5.6E-12	4.42E-12	3.21E-16	7.75E-15	4.28E-16	8.49354E-15	6.005E-09	5.7089E-06	7.14E-07	1.89534E-12	1.29641E-15	9.46023E-13	2.16E-16
691	570470.6	4178799	0.55, 41787	0.15993	0.14857	0.15692	116.3647	50.80214	153.38363	16.31235	7.92735	19.17295	6.77E-09	6.62E-06	8.28E-07	2.09E-12	6.31E-12	4.99E-12	3.62E-16	8.74E-15	4.82E-16	9.58097E-15	6.774E-09	6.6203E-06	8.28E-07	2.138E-12	1.46239E-15	1.06714E-12	2.43E-16
692	570510.6	4178799	0.55, 41787	0.17816	0.16871	0.17591	124.77861	52.11481	162.22151	17.82552	8.49382	23.1745	7.59E-09	7E-06	1E-06	2.34E-12	7.08E-12	5.59E-12	4.05E-16	9.79E-15	5.41E-16	1.07405E-14	7.594E-09	7.0018E-06	1E-06	2.39674E-12	1.63937E-15	1.19629E-12	2.73E-16
693	570550.6	4178799	0.55, 41787	0.19752	0.19131	0.19507	126.89522	56.18657	175.78093	18.12789	8.51005	24.21863	8.42E-09	7.59E-06	1.05E-06	2.6E-12	7.85E-12	6.2E-12	4.5E-16	1.09E-14	6E-16	1.19104E-14	8.421E-09	7.587E-06	1.05E-06	2.6578E-12	1.81794E-15	1.32659E-12	3.02E-16
694	570590.6	4178799	0.55, 41787	0.21773	0.21627	0.21308	122.68072	62.5324	158.46837	17.14296	9.80776	21.67538	9.2E-09	6.84E-06	9.36E-07	2.84E-12	8.57E-12	6.77E-12	4.91E-16	1.19E-14	6.55E-16	1.30101E-14	9.199E-09	6.8399E-06	9.36E-07	2.90321E-12	1.9858E-15	1.44909E-12	3.3E-16
695	570630.6	4178799	0.55, 41787	0.23771	0.24268	0.22932	133.9153	64.36556	188.20796	18.95021	10.72759	26.70167	9.9E-09	8.12E-06	1.15E-06	3.05E-12	9.22E-12	7.29E-12	5.29E-16	1.28E-14	7.05E-16	1.40018E-14	9.9E-09	8.1234E-06	1.15E-06	3.12452E-12	2.13717E-15	1.55955E-12	3.56E-16
696	570670.6	4178799	0.55, 41787	0.25595	0.26895	0.24514	141.94782	63.09907	182.20008	19.13844	10.57117	23.96944	1.06E-08	7.86E-06	1.03E-06	3.27E-12	9.86E-12	7.79E-12	5.65E-16	1.36E-14	7.53E-16	1.49679E-14	1.058E-08	7.8641E-06	1.03E-06	3.3401E-12	2.28463E-15	1.66715E-12	3.8E-16
697	570710.6	4178799	0.55, 41787	0.27273	0.29382	0.2595	157.12572	66.69563	192.86918	19.64072	11.93189	24.10865	1.12E-08	8.32E-06	1.04E-06	3.46E-12	1.04E-11	8.25E-12	5.98E-16	1.44E-14	7.98E-16	1.58449E-14	1.12E-08	8.3246E-06	1.04E-06	3.53579E-12	2.41848E-15	1.76483E-12	4.02E-16
698	570750.6	4178799	0.55, 41787	0.29355	0.31916	0.26739	152.65771	72.44297	180.42039	19.08221	15.18472	22.55534	1.15E-08	7.79E-06	9.74E-07	3.56E-12	1.08E-11	8.5E-12	6.16E-16	1.49E-14	8.22E-16	1.63269E-14	1.154E-08	7.7874E-06	9.74E-07	3.64335E-12	2.49205E-15	1.81851E-12	4.15E-16
699	570790.6	4178799	0.55, 41787	0.31688	0.34759	0.27611	157.73005	72.26845	195.86787	20.13646	16.34526	24.48348	1.19E-08	8.45E-06	1.06E-06	3.68E-12	1.11E-11	8.77E-12	6.36E-16	1.54E-14	8.49E-16	1.68596E-14	1.192E-08	8.4541E-06	1.06E-06	3.76223E-12	2.57337E-15	1.87785E-12	4.28E-16
700	570830.6	4178799	0.55, 41787	0.33524	0.37796	0.31984	162.23746	94.66133	234.71664	21.09567	14.73083	29.33958	1.38E-08	1.01E-05	1.27E-06	4.26E-12	1.29E-11	1.02E-11	7.37E-16	1.78E-14	9.83E-16	1.95294E-14	1.381E-08	1.0131E-05	1.27E-06	4.358E-12	2.98087E-15	2.17522E-12	4.96E-16
701	570870.6	4178799	0.55, 41787	0.35595	0.40358	0.35265	158.80625	107.46352	263.60655	19.85078	16.70272	32.95082	1.52E-08	1.14E-05	1.42E-06	4.7E-12	1.42E-11	1.12E-11	8.13E-16	1.96E-14	1.08E-15	2.15326E-14	1.522E-08	1.1378E-05	1.42E-06	4.805E-12	3.28662E-15	2.39833E-12	5.47E-16
702	570910.6	4178799	0.55, 41787	0.3676	0.41723	0.32417	150.41188	96.98395	247.06251	18.80149	15.72408	30.88281	1.4E-08	1.07E-05	1.33E-06	4.32E-12	1.3E-11	1.03E-11	7.47E-16	1.81E-14	9.96E-16	1.97944E-14	1.4E-08	1.0664E-05	1.33E-06	4.41712E-12	3.02131E-15	2.20473E-12	5.03E-16
703	570950.6	4178799	0.55, 41787	0.34637	0.40141	0.30552	159.46188	87.41269	275.63404	19.93273	16.48069	34.45425	1.32E-08	1.19E-05	1.49E-06	4.07E-12	1.23E-11	9.71E-12	7.04E-16	1.7E-14	9.39E-16	1.86557E-14	1.319E-08	1.1897E-05	1.49E-06	4.16303E-12	2.84751E-15	2.0779E-12	4.74E-16
704	570990.6	4178799	0.55, 41787	0.35579	0.40756	0.32647	119.48057	79.68844	146.33228	17.5796	14.60553	25.33485	1.41E-08	6.32E-06	1.09E-06	4.35E-12	1.31E-11	1.04E-11	7.53E-16	1.82E-14	1E-15	1.99346E-14	1.409E-08	6.3163E-06	1.09E-06	4.44841E-12	3.04271E-15	2.22035E-12	5.06E-16
705	571030.6	4178799	0.55, 41787	0.37225	0.416	0.35619	155.14917	72.93395	196.55996	24.86673	12.948	30.87431	1.54E-08	8.48E-06	1.33E-06	4.75E-12	1.43E-11	1.13E-11	8.21E-16	1.98E-14	1.09E-15	2.17489E-14	1.538E-08	8.484E-06	1.33E-06	4.85327E-12	3.31964E-15	2.42242E-12	5.52E-16
706	571070.6	4178799	0.55, 41787	0.3594	0.40135	0.34666	158.59146	67.81733	220.83512	22.65592	11.74555	33.70367	1.5E-08	9.53E-06	1.45E-06	4.62E-12	1.39E-11	1.1E-11	7.99E-16	1.93E-14	1.07E-15	2.11669E-14	1.497E-08	9.5316E-06	1.45E-06	4.72341E-12	3.23081E-15	2.3576E-12	5.38E-16
707	571110.6	4178799	0.55, 41787	0.34191	0.38638	0.31575	133.9595	62.41991	198.12185	16.74494	10.40332	24.76523	1.36E-08	8.55E-06	1.07E-06	4.21E-12	1.27E-11	1E-11	7.28E-16	1.76E-14	9.71E-16	1.92799E-14	1.363E-08	8.5513E-06	1.07E-06	4.30232E-12	2.94279E-15	2.14742E-12	4.9E-16
708	571150.6	4178799	0.55, 41787	0.32926	0.37153	0.29721	140.52662	58.49073	122.49716	17.56829	9.74512	16.40698	1.28E-08	5.29E-06	7.08E-07	3.96E-12	1.2E-11	9.44E-12	6.85E-16	1.65E-14	9.14E-16	1.8148E-14	1.283E-08	5.2875E-06	7.08E-07	4.04973E-12	2.77001E-15	2.02135E-12	4.61E-16
709	571190.6	4178799	0.55, 41787	0.32393	0.35615	0.30055	162.80337	55.99612	201.90064	20.37225	9.46414	25.23758	1.3E-08	8.71E-06	1.09E-06	4E-12	1.21E-11	9.55E-12	6.93E-16	1.67E-14	9.24E-16	1.83516E-14	1.298E-08	8.7143E-06	1.09E-06	4.09517E-12	2.80109E-15	2.04403E-12	4.66E-16
710	571230.6	4178799	0.55, 41787	0.31732	0.33876	0.30501	141.0743	54.42569	191.70239	17.72831	9.52966	23.96639	1.32E-08	8.27E-06	1.03E-06	4.06E-12	1.23E-11	9.69E-12	7.03E-16	1.7E-14	9.37E-16	1.86236E-14	1.317E-08	8.2741E-06	1.03E-06	4.15586E-12	2.84261E-15	2.07432E-12	4.73E-16
711	571270.6	4178799	0.55, 41787	0.30415	0.32027	0.29829	116.54381	51.24633	144.90939	16.64912	9.13765	20.70134	1.29E-08	6.25E-06	8.94E-07	3.97E-12	1.2E-11	9.48E-12	6.88E-16	1.66E-14	9.17E-16	1.82131E-14	1.288E-08	6.2546E-06	8.94E-07	4.06426E-12	2.77995E-15	2.0286E-12	4.63E-16
712	571310.6	4178799	0.55, 41787	0.28608	0.30211	0.28212	111.77517	48.08718	136.31939	15.28029	8.60329	17.73191	1.22E-08	5.88E-06	7.65E-07	3.76E-12	1.13E-11	8.96E-12	6.5E-16	1.57E-14	8.67E-16	1.72258E-14	1.218E-08	5.8838E-06	7.65E-07	3.84393E-12	2.62925E-15	1.91863E-12	4.37E-16
713	571350.6	4178799	0.55, 41787	0.26522	0.28423	0.2608	116.94553	46.1941	139.01017	15.97517	8.23917	19.97796	1.13E-08	6E-06	8.62E-07	3.47E-12	1.05E-11	8.29E-12	6.01E-16	1.45E-14	8.02E-16	1.59241E-14	1.126E-08	6E-06	8.62E-07	3.55346E-12	2.43057E-15	1.77365E-12	4.04E-16
714	571390.6	4178799	0.55, 41787	0.24309	0.26586	0.23735	101.64822	44.37475	130.479	13.96186	7.97488	17.70328	1.02E-08	5.63E-06	7.64E-07	3.16E-12	9.55E-12	7.54E-12	5.47E-16	1.32E-14	7.3E-16	1.44924E-14	1.025E-08	5.6317E-06	7.64E-07	3.23397E-12	2.21204E-15	1.61418E-12	3.68E-16
715	571430.6	4178799	0.55, 41787	0.22645	0.25105	0.21957	78.66707	42.96369	101.00422	10.22882	7.75525	13.14754	9.48E-09	4.36E-06	5.68E-07	2.93E-12	8.83E-12	6.98E-12	5.06E-16	1.22E-14	6.75E-16	1.34068E-14	9.479E-09	4.3596E-06	5.68E-07	2.99173E-12	2.04635E-15	1.49327E-12	3.4E-16
716	571470.6	4178799	0.55, 41787	0.21325	0.23694	0.20607	47.64153	41.84289	57.10773	7.70461	7.45296	10.06314	8.9E-09	2.47E-06	4.34E-07	2.75E-12	8.29E-12	6.55E-12	4.75E-16	1.15E-14	6.33E-16	1.25825E-14	8.896E-09	2.4651E-06	4.34E-07	2.8078E-12	1.92053E-15	1.40146E-12	3.2E-16
717	571510.6	4178799	0.55, 41787	0.20623	0.22585	0.19985	71.44774	40.73398	67.79843	10.29216	7.00806	9.90291	8.63E-09	2.93E-06	4.28E-07	2.66E-12	8.04E-12	6.35E-12	4.61E-16	1.11E-14	6.14E-16	1.22027E-14	8.628E-09	2.9265E-06	4.28E-07	2.72303E-12	1.86255E-15	1.35915E-12	3.1E-16
718	571550.6	4178799	0.55, 41787	0.19818	0.21228	0.19356	94.10249	39.35835	107.36049	13.01678	6.4744	14.79864	8.36E-09	4.63E-06	6.39E-07	2.58E-12	7.79E-12	6.15E-12	4.46E-16	1.08E-14	5.95E-16	1.18185E-14	8.356E-09	4.6339E-06	6.39E-07	2.63731E-12	1.80392E-15	1.31636E-12	3E-16
719	571590.6	4178799	0.55, 41787	0.19254	0.20073	0.18997	94.76849	37.66806	114.23818	12.95063	6.01952	15.50303	8.2E-09	4.93E-06	6.69E-07	2.53E-12	7.64E-12	6.04E-12	4.38E-16	1.06E-14	5.84E-16	1.15992E-14	8.201E-09	4.9307E-06	6.69E-07	2.58836E-12	1.77044E-15	1.29194E-12	2.95E-16
720	570310.6	4178839	0.55, 41788	0.10118	0.0904	0.098	86.93136	38.98232	105.93151	10.86642	4.87279	13.24144	4.23E-09	4.57E-06	5.72E-07	1.31E-12	3.94E-12	3.11E-12	2.26E-16	5.46E-15	3.01E-16	5.98349E-15	4.231E-09	4.5722E-06	5.72E-07	1.33522E-12	9.13289E-16	6.6645E-13	1.52E-16
721	570350.6	4178839	0.55, 41788	0.1118	0.10104	0.10874	92.10266	41.60712	103.12867	11.51283	5.43734	12.89108	4.69E-09	4.45E-06	5.56E-07	1.45E-12	4.37E-12	3.45E-12	2.51E-16	6.05E-15	3.34E-16	6.63925E-15	4.694E-09	4.4513E-06	5.56E-07	1.48155E-12	1.01338E-15	7.39489E-13	1.69E-16
722	570390.6	4178839	0.55, 41788	0.12335	0.11299	0.12071	101.58992	44.39945	123.8041	13.097	6.32134	15.47551	5.21E-09	5.34E-06	6.68E-07	1.61E-12	4.86E-12	3.84E-12	2.78E-16	6.72E-15	3.71E-16	7.3701E-15	5.211E-09	5.3437E-06	6.68E-07	1.64464E-12	1.12493E-15	8.20892E-13	1.87E-16
723	570430.6	4178839	0.55, 41788	0.13612	0.12663	0.1341	105.75261	46.22171	135.82058	15.10752	6.99394	17.72822	5.79E-09	5.86E-06	7.65E-07	1.79E-12	5.39E-12	4.26E-12	3.09E-16	7.47E-15	4.12E-16	8.18766E-15	5.789E-09	5.8623E-06	7.65E-07	1.82708E-12	1.24972E-15	9.11953E-13	2.08E-16
724	570470.6	4178839	0.55, 41788	0.14941	0.1416	0.14777	113.55911	47.52324	144.14907	16.22273	7.30549	20.59272	6.38E-09	6.22E-06	8.89E-07	1.97E-12	5.94E-12	4.69E-12	3.41E-16	8.23E-15	4.54E-16	9.02233E-15	6.379E-09	6.2217E-06	8.89E-07	2.01334E-12	1.37712E-15	1.00492E-12	2.29E-16
725	570510.6	4178839	0.55, 41788	0.16314	0.158	0.16129	114.44641	50.69094	152.51274	16.21485	7.16417	20.85712	6.96E-09	6.58E-06	9E-07	2.15E-12	6.49E-12	5.12E-12	3.72E-16	8.98E-15	4.96E-16	9.84786E-15	6.963E-09	6.5827E-06	9E-07	2.19755E-12	1.50313E-15	1.09687E-12	2.5E-16
726	570550.6	4178839	0.55, 41788	0.17704	0.17576	0.1737	109.2842	56.30775	135.99936	15.45924	8.75778	18.63755	7.5E-09	5.87E-06	8.05E-07	2.31E-12	6.99E-12	5.52E-12	4E-16	9.67E-15	5.34E-16	1.06057E-14	7.499E-09	5.8701E-06	8.05E-07	2.36666E-12	1.61879E-15	1.18127E-12	2.69E-16
727	570590.6	4178839	0.55, 41788	0.1907	0.19445	0.18485	121.04262	57.73789	162.59872	17.123	9.62298	23.05827	7.98E-09	7.02E-06	9.95E-07	2.46E-12	7.44E-12	5.87E-12	4.26E-16	1.03E-14	5.68E-16	1.12866E-14	7.98E-09	7.0181E-06	9.95E-07	2.5186E-12	1.72272E-15	1.25711E-12	2.87E-16
728	570630.6	4178839	0.55, 41788	0.20316	0.21304	0.19546	125.84874	56.85617	163.76967	17.26057	9.47603	21.8341	8.44E-09	7.07E-06	9.43E-07	2.6E-12	7.86E-12	6.21E-12	4.51E-16	1.09E-14	6.01E-16	1.19345E-14	8.438E-09	7.0686E-06	9.43E-07	2.66319E-12	1.82162E-15	1.32928E-12	3.03E-16
729	570670.6	4178839	0.55, 41788	0.21386	0.23043	0.20601	138.80556	56.19819	167.35734	17.35069	9.51337	20.91967	8.89E-09	7.22E-06	9.03E-07	2.74E-12	8.29E-12	6.55E-12	4.75E-16	1.15E-14	6.33E-16	1.25788E-14	8.894E-09	7.2235E-06	9.03E-07	2.80696E-12	1.91996E-15	1.40104E-12	3.19E-16
730	570710.6	4178839	0.55, 41788	0.22462	0.24643	0.21368	139.69865	64.11019	158.44625	17.46233	11.64998	19.80578	9.22E-09	6.84E-06	8.55E-07	2.85E-12	8.59E-12	6.79E-12	4.93E-16	1.19E-14	6.57E-16	1.30472E-14	9.225E-09	6.839E-06	8.55E-07	2.91149E-12	1.99146E-15	1.45322E-12	3.31E-16
731	570750.6	4178839	0.55, 41788	0.23931	0.26333	0.21642	129.30344	65.03758	176.13066	16.25667	13.35444	22.02002	9.34E-09	7.6E-06	9.51E-07	2.88E-12	8.71E-12	6.88E-12	4.99E-16	1.21E-14	6.65E-16	1.32147E-14	9.343E-09	7.6022E-06	9.51E-07	2.94887E-12	2.01703E-15	1.47188E-12	3.36E-16
732	570790.6	4178839	0.55, 41788	0.2546	0.28325	0.22784	148.04332	66.52984	161.44916	18.88746	13.10425	20.18115	9.84E-09	6.97E-06	8.71E-07	3.04E-12	9.16E-12	7.24E-12	5.25E-16	1.27E-14	7E-16	1.39121E-14	9.836E-09	6.9686E-06	8.71E-07	3.1045E-12	2.12348E-15	1.54955E-12	3.53E-16
733	570830.6	4178839	0.55, 41788	0.26766	0.30497	0.26524	136.3658	90.38201	203.70222	17.19519	14.05196	26.51864	1.15E-08	8.79E-06	1.14E-06	3.53E-12	1.07E-11	8.43E-12	6.11E-16	1.48E-14	8.15E-16	1.61954E-14	1.145E-08	8.7924E-06	1.14E-06	3.61401E-12	2.47198E-15	1.80387E-12	4.11E-16
734	570870.6	4178839	0.55, 41788	0.28248	0.32215	0.27934	145.76117	97.26265	213.43334	18.22015	15.13016	26.67917	1.21E-08	9.21E-06	1.15E-06	3.72E-12	1.12E-11	8.88E-12	6.44E-16	1.56E-14	8.59E-16	1.70564E-14	1.206E-08	9.2124E-06	1.15E-06	3.80613E-12	2.60339E-15	1.89976E-12	4.33E-16
735	570910.6	4178839	0.55, 41788	0.28799	0.33135	0.25629	130.6935	87.1686	210.24612	16.33669	13.50967	26.28077	1.11E-08	9.07E-06	1.13E-06	3.41E-12	1.03E-11	8.14E-12	5.91E-16	1.43E-14	7.88E-16	1.56495E-14	1.106E-08	9.0748E-06	1.13E-06	3.4922E-12	2.38866E-15	1.74307E-12	3.97E-16
736	570950.6	4178839	0.55, 41788	0.28758	0.33724	0.25781	143.26415	81.64199	232.33178	17.90802	13.93242	29.04147	1.11E-08	1E-05	1.25E-06	3.43E-12	1.04E-11	8.19E-12	5.94E-16	1.44E-14	7.92E-16	1.57424E-14	1.113E-08	1.0028E-05	1.25E-06	3.51292E-12	2.40284E-15	1.75341E-12	4E-16
737	570990.6	4178839	0.55, 41788	0.28844	0.33412	0.27084	115.42228	74.82091	134.90402	15.11344	13.01217	21.06919	1.17E-08	5.82E-06	9.09E-07	3.61E-12	1.09E-11	8.61E-12	6.24E-16	1.51E-14	8.32E-16	1.65377E-14	1.169E-08	5.823E-06	9.09E-07	3.69039E-12	2.52423E-15	1.84199E-12	4.2E-16
738	571030.6	4178839	0.55, 41788	0.29049	0.32848	0.28015	122.60648	67.85889	167.69329	20.43441	11.21527	20.96166	1.21E-08	7.24E-06	9.05E-07	3.73E-12	1.13E-11	8.9E-12	6.46E-16	1.56E-14	8.61E-16	1.71059E-14	1.209E-08	7.2381E-06	9.05E-07	3.81719E-12	2.61096E-15	1.90528E-12	4.34E-16
739	571070.6	4178839	0.55, 41788	0.28682	0.32211	0.27916	145.80556	62.69899	194.95005	22.09774	10.44682	32.49167	1.21E-08	8.41E-06	1.4E-06	3.72E-12	1.12E-11	8.87E-12	6.44E-16	1.55E-14	8.58E-16	1.70454E-14	1.205E-08	8.4144E-06	1.4E-06	3.80368E-12	2.60172E-15	1.89854E-12	4.33E-16
740	571110.6	4178839	0.55, 41788	0.272	0.3104	0.2597	131.09883	59.8466	180.45962	17.36249	9.97443	23.15348	1.12E-08	7.79E-06	9.99E-07	3.46E-12	1.04E-11	8.25E-12	5.99E-16	1.45E-14	7.98E-16	1.58573E-14	1.121E-08	7.789E-06	9.99E-07	3.53857E-12	2.42038E-15	1.76621E-12	4.03E-16
741	571150.6	4178839	0.55, 41788	0.26	0.30055	0.24148	99.99815	55.57889	134.60776	12.49977	9.26315	16.82597	1.04E-08	5.81E-06	7.26E-07	3.22E-12	9.71E-12	7.67E-12	5.57E-16	1.34E-14	7.42E-16	1.4745E-14	1.043E-08	5.81E-06	7.26E-07	3.29035E-12	2.2506E-15	1.64232E-12	3.74E-16
742	571190.6	4178839	0.55, 41788	0.2552	0.29099	0.23588	127.82601	53.11626	132.48794	15.97966	8.85271	16.56099	1.02E-08	5.72E-06	7.15E-07	3.14E-12	9.49E-12	7.49E-12	5.44E-16	1.31E-14	7.25E-16	1.4403E-14	1.018E-08	5.7186E-06	7.15E-07	3.21404E-12	2.1984E-15	1.60423E-12	3.66E-16
743	571230.6	4178839	0.55, 41788	0.25406	0.28009	0.23929	144.46225	51.51588	176.21864	18.06666	8.58598	22.02733	1.03E-08	7.61E-06	9.51E-07	3.19E-12	9.63E-12	7.6E-12	5.52E-16	1.33E-14	7.35E-16	1.4611E-14	1.033E-08	7.6059E-06	9.51E-07	3.26045E-12	2.23015E-15	1.6274E-12	3.71E-16
744	571270.6	4178839	0.55, 41788	0.2507	0.26766	0.24251	121.82335	49.56018	161.92313	15.26733	8.26003	20.24326	1.05E-08	6.99E-06	8.74E-07	3.23E-12	9.75E-12	7.71E-12	5.59E-16	1.35E-14	7.45E-16	1.48074E-14	1.047E-08	6.9889E-06	8.74E-07	3.30427E-12	2.26012E-15	1.64927E-12	3.76E-16
745	571310.6	4178839	0.55, 41788	0.24184	0.25433	0.23951	103.21026	44.65355	122.05645	14.74432	7.58702	17.43664	1.03E-08	5.27E-06	7.53E-07	3.19E-12	9.63E-12	7.61E-12	5.52E-16	1.33E-14	7.36E-16	1.4624E-14	1.034E-08	5.2682E-06	7.53E-07	3.26336E-12	2.23214E-15	1.62885E-12	3.71E-16
746	571350.6	4178839	0.55, 41788	0.22797	0.24079	0.22797	99.0464	44.12829	113.73434	14.35742	7.39344	18.63488	9.84E-09	4.91E-06	8.04E-07	3.04E-12	9.17E-12	7.24E-12	5.25E-16	1.27E-14	7.01E-16	1.39194E-14	9.841E-09	4.9091E-06	8.04E-07	3.10612E-12	2.12458E-15	1.55036E-12	3.53E-16
747	571390.6	4178839	0.55, 41788	0.21103	0.22733	0.21036	102.76287	42.76623	112.22851	13.91866	7.25999	15.15441	9.08E-09	4.84E-06	6.54E-07	2.8E-12	8.46E-12	6.68E-12	4.85E-16	1.17E-14	6.47E-16	1.28442E-14	9.081E-09	4.8441E-06	6.54E-07	2.8662E-12	1.96048E-15	1.43061E-12	3.26E-16
748	571430.6	4178839	0.55, 41788	0.19469	0.21494	0.19186	96.70075	41.37793	118.14409	13.13698	7.12068	15.78157	8.28E-09	5.1E-06	6.85E-07	2.56E-12	7.72E-12	6.1E-12	4.42E-16	1.07E-14	5.9E-16	1.17148E-14	8.283E-09	5.0993E-06	6.85E-07	2.61416E-12	1.78808E-15	1.30481E-12	2.97E-16
749	571470.6	4178839	0.55, 41788	0.18137	0.20392	0.17665	77.02264	40.18933	97.95965	10.5662	6.94319	13.29535	7.63E-09	4.23E-06	5.74E-07	2.35E-12	7.11E-12	5.61E-12	4.07E-16	9.84E-15	5.43E-16	1.07862E-14	7.626E-09	4.2282E-06	5.74E-07	2.40694E-12	1.64634E-15	1.20138E-12	2.74E-16
750	571510.6	4178839	0.55, 41788	0.17253	0.19446	0.16733	52.60803	39.21497	67.39367	7.34906	6.67327	9.32595	7.22E-09	2.91E-06	4.03E-07	2.23E-12	6.73E-12	5.32E-12	3.86E-16	9.32E-15	5.14E-16	1.02171E-14	7.224E-09	2.909E-06	4.03E-07	2.27995E-12	1.55949E-15	1.138E-12	2.59E-16
751	571550.6	4178839	0.55, 41788	0.16797	0.18619	0.16347	68.59481	38.25365	67.50423	9.65516	6.29212	9.48561	7.06E-09	2.91E-06	4.09E-07	2.18E-12	6.58E-12	5.19E-12	3.77E-16	9.1E-15	5.02E-16	9.98136E-15	7.057E-09	2.9138E-06	4.09E-07	2.22734E-12	1.5235E-15	1.11174E-12	2.53E-16
752	571590.6	4178839	0.55, 41788	0.16271	0.17607	0.15959	86.9293	37.04871	99.01478	11.93163	5.86384	13.49632	6.89E-09	4.27E-06	5.83E-07	2.13E-12	6.42E-12	5.07E-12	3.68E-16	8.89E-15	4.91E-16	9.74437E-15	6.89E-09	4.2737E-06	5.83E-07	2.17446E-12	1.48733E-15	1.08534E-12	2.47E-16
753	570839.2	4178446	9.17, 41784	74.46739	6.86955	3.72049	1115.31188	246.53605	1658.95445	545.24687	92.47095	232.89196	1.61E-07	7.16E-05	1.01E-05	4.96E-11	1.5E-10	1.18E-10	8.58E-15	2.07E-13	1.14E-14	2.2733E-13	1.607E-07	7.16E-05	1.01E-05	5.07288E-11	3.46985E-14	2.53203E-11	5.77E-15
754	570839.2	4178486	9.17, 41784	72.70489	8.35312	4.22209	2611.28562	240.43522	1473.87155	1286.82968	90.10385	245.64526	1.82E-07	6.36E-05	1.06E-05	5.63E-11	1.7E-10	1.34E-10	9.74E-15	2.35E-13	1.3E-14	2.57967E-13	1.824E-07	6.3614E-05	1.06E-05	5.75655E-11	3.93748E-14	2.87328E-11	6.55E-15
755	570879.2	4178406	9.17, 41784	9.26791	12.09581	2.86973	654.37651	281.54322	1652.24347	174.87233	99.71055	250.6883	1.24E-07	7.13E-05	1.08E-05	3.83E-11	1.16E-10	9.13E-11	6.62E-15	1.6E-13	8.83E-15	1.75367E-13	1.24E-07	7.131E-05	1.08E-05	3.91333E-11	2.67672E-14	1.95327E-11	4.45E-15
756	570879.2	4178446	9.17, 41784	110.98197	13.33715	11.62742	3333.88644	260.53475	3586.87714	1717.50318	91.01179	770.8732	5.02E-07	0.000155	3.33E-05	1.55E-10	4.68E-10	3.7E-10	2.68E-14	6.48E-13	3.57E-14	7.10132E-13	5.021E-07	0.00015481	3.33E-05	1.58466E-10	1.08391E-13	7.90955E-11	1.8E-14
757	570879.2	4178486	9.17, 41784	18.42358	13.79846	20.70311	473.0449	246.35325	4578.74855	141.68031	100.88031	655.29094	8.94E-07	0.000198	2.83E-05	2.76E-10	8.33E-10	6.58E-10	4.77E-14	1.15E-12	6.36E-14	1.26397E-12	8.937E-07	0.00019761	2.83E-05	2.82054E-10	1.92925E-13	1.40782E-10	3.21E-14
758	570879.2	4178526	9.17, 41785	94.91809	17.71904	9.02777	3340.71117	271.69492	2014.80922	1490.9797	113.49448	441.47053	3.9E-07	8.7E-05	1.91E-05	1.2E-10	3.63E-10	2.87E-10	2.08E-14	5.03E-13	2.78E-14	5.51487E-13	3.899E-07	8.6961E-05	1.91E-05	1.23064E-10	8.41761E-14	6.14254E-11	1.4E-14
759	570879.2	4178566	9.17, 41785	6.34056	7.84517	3.48916	517.57011	248.69096	1100.96831	138.67192	92.32789	171.27972	1.51E-07	4.75E-05	7.39E-06	4.65E-11	1.4E-10	1.11E-10	8.05E-15	1.94E-13	1.07E-14	2.13109E-13	1.507E-07	4.7518E-05	7.39E-06	4.75553E-11	3.25278E-14	2.37364E-11	5.41E-15
760	570919.2	4178366	9.17, 41783	2.36921	8.89638	1.45024	279.82249	231.14799	970.86833	50.20448	85.64726	145.20587	6.27E-08	4.19E-05	6.27E-06	1.93E-11	5.84E-11	4.61E-11	3.35E-15	8.09E-14	4.46E-15	8.86612E-14	6.269E-08	4.1903E-05	6.27E-06	1.97848E-11	1.35328E-14	9.87522E-12	2.25E-15
761	570919.2	4178406	9.17, 41784	7.16288	18.51893	2.95623	387.12304	281.06153	1814.51514	102.95605	123.97591	301.78328	1.28E-07	7.83E-05	1.3E-05	3.94E-11	1.19E-10	9.4E-11	6.82E-15	1.65E-13	9.1E-15	1.8074E-13	1.278E-07	7.8313E-05	1.3E-05	4.03323E-11	2.75873E-14	2.01311E-11	4.59E-15
762	570919.2	4178446	9.17, 41784	30.90779	15.96768	15.85005	761.46723	266.85593	6280.62092	290.35951	97.37786	1155.63511	6.84E-07	0.000271	4.99E-05	2.11E-10	6.38E-10	5.04E-10	3.65E-14	8.83E-13	4.87E-14	9.67786E-13	6.843E-07	0.00027106	4.99E-05	2.15962E-10	1.47718E-13	1.07793E-10	2.46E-14
763	570919.2	4178486	9.17, 41784	29.57453	18.16179	468.02027	992.62163	281.14129	31654.24271	425.98322	121.6397	9353.86757	2.02E-05	0.001366	0.000404	6.23E-09	1.88E-08	1.49E-08	1.08E-12	2.61E-11	1.44E-12	2.85685E-11	2.02E-05	0.00136612	0.000404	6.37506E-09	4.36054E-12	3.182E-09	7.25E-13
764	570919.2	4178526	9.17, 41785	19.47257	21.77306	15.13476	427.44744	357.8357	3633.422	126.47105	151.21701	760.0028	6.53E-07	0.000157	3.28E-05	2.02E-10	6.09E-10	4.81E-10	3.49E-14	8.43E-13	4.65E-14	9.24193E-13	6.534E-07	0.00015681	3.28E-05	2.06234E-10	1.41064E-13	1.02938E-10	2.35E-14
765	570919.2	4178566	9.17, 41785	68.70701	17.81326	4.44491	3547.24462	326.79695	1605.72558	1121.59815	123.62419	257.53275	1.92E-07	6.93E-05	1.11E-05	5.93E-11	1.79E-10	1.41E-10	1.03E-14	2.48E-13	1.37E-14	2.71704E-13	1.921E-07	6.9307E-05	1.11E-05	6.06308E-11	4.14715E-14	3.02628E-11	6.9E-15
766	570959.2	4178326	9.17, 41783	2.08146	12.83514	1.34475	279.67021	252.56813	633.18912	42.32993	97.81035	79.64117	5.82E-08	2.73E-05	3.44E-06	1.8E-11	5.42E-11	4.28E-11	3.11E-15	7.5E-14	4.14E-15	8.22809E-14	5.818E-08	2.733E-05	3.44E-06	1.8361E-11	1.25589E-14	9.16456E-12	2.09E-15
767	570959.2	4178366	9.17, 41783	2.97969	11.80225	1.85212	241.09871	252.07126	954.07883	42.48046	78.75938	136.29698	8.01E-08	4.12E-05	5.88E-06	2.47E-11	7.46E-11	5.89E-11	4.27E-15	1.03E-13	5.7E-15	1.13237E-13	8.006E-08	4.1179E-05	5.88E-06	2.52689E-11	1.72839E-14	1.26125E-11	2.88E-15
768	570959.2	4178406	9.17, 41784	5.48321	18.00699	4.34111	312.89849	292.26242	1429.75284	67.10795	111.57482	238.11199	1.88E-07	6.17E-05	1.03E-05	5.79E-11	1.75E-10	1.38E-10	1E-14	2.42E-13	1.34E-14	2.65264E-13	1.875E-07	6.1708E-05	1.03E-05	5.91937E-11	4.04885E-14	2.95454E-11	6.74E-15
769	570959.2	4178446	9.17, 41784	13.2141	15.9724	27.93872	471.07205	258.82785	2485.7483	129.31081	100.45092	486.63208	1.21E-06	0.000107	2.1E-05	3.72E-10	1.12E-09	8.88E-10	6.44E-14	1.56E-12	8.59E-14	1.70565E-12	1.206E-06	0.00010728	2.1E-05	3.80617E-10	2.60342E-13	1.89978E-10	4.33E-14
770	570959.2	4178486	9.17, 41784	61.20406	15.71053	62.85492	1330.20017	250.50131	2800.83581	539.4281	101.77571	895.66291	2.71E-06	0.000121	3.87E-05	8.37E-10	2.53E-09	2E-09	1.45E-13	3.5E-12	1.93E-13	3.83703E-12	2.713E-06	0.00012088	3.87E-05	8.56235E-10	5.85664E-13	4.27374E-10	9.74E-14
771	570959.2	4178526	9.17, 41785	233.18259	14.04006	12.98457	3491.90215	258.73899	2789.84609	1687.05022	110.68808	397.86928	5.61E-07	0.00012	1.72E-05	1.73E-10	5.23E-10	4.13E-10	2.99E-14	7.23E-13	3.99E-14	7.9319E-13	5.608E-07	0.00012041	1.72E-05	1.77001E-10	1.21068E-13	8.83467E-11	2.01E-14
772	570999.2	4178286	9.17, 41782	4.82709	7.01905	1.81527	541.05323	230.67805	782.52024	117.6944	82.70868	130.42004	7.84E-08	3.38E-05	5.63E-06	2.42E-11	7.31E-11	5.77E-11	4.19E-15	1.01E-13	5.58E-15	1.10919E-13	7.842E-08	3.3775E-05	5.63E-06	2.47515E-11	1.69301E-14	1.23543E-11	2.82E-15

773	570999.2	4178326	9.17, 41783	3.49216	17.23511	2.06149	334.8047	281.26172	702.77079	73.88295	121.01705	110.07877	8.92E-08	3.03E-05	4.75E-06	2.75E-11	8.31E-11	6.56E-11	4.76E-15	1.15E-13	6.35E-15	1.261E-13	8.916E-08	3.0333E-05	4.75E-06	2.81392E-11	1.92472E-14	1.40452E-11	3.2E-15
774	570999.2	4178366	9.17, 41783	3.49499	15.86199	2.88936	258.09779	262.50756	719.40934	51.99585	99.38677	89.92617	1.25E-07	3.11E-05	3.88E-06	3.85E-11	1.16E-10	9.19E-11	6.67E-15	1.61E-13	8.89E-15	1.76612E-13	1.249E-07	3.1051E-05	3.88E-06	3.94111E-11	2.69572E-14	1.96714E-11	4.49E-15
775	570999.2	4178406	9.17, 41784	4.67229	14.08019	6.50261	269.25985	258.20089	888.73579	48.54927	90.52886	138.83889	2.81E-07	3.84E-05	5.99E-06	8.66E-11	2.62E-10	2.07E-10	1.5E-14	3.62E-13	2E-14	3.97142E-13	2.808E-07	3.8359E-05	5.99E-06	8.86224E-11	6.06177E-14	4.42342E-11	1.01E-14
776	570999.2	4178446	9.17, 41784	8.21208	17.59623	13.45709	365.10896	254.50285	1091.31402	80.87758	113.65243	185.77432	5.81E-07	4.71E-05	8.02E-06	1.79E-10	5.41E-10	4.28E-10	3.1E-14	7.49E-13	4.14E-14	8.21705E-13	5.81E-07	4.7101E-05	8.02E-06	1.83364E-10	1.25421E-13	9.15227E-11	2.09E-14
777	570999.2	4178486	9.17, 41784	18.06608	14.21786	20.31738	585.19163	263.25351	1140.06137	156.20535	101.07997	297.24229	8.77E-07	4.92E-05	1.28E-05	2.71E-10	8.17E-10	6.45E-10	4.68E-14	1.13E-12	6.24E-14	1.24043E-12	8.77E-07	4.9206E-05	1.28E-05	2.76801E-10	1.89332E-13	1.3816E-10	3.15E-14
778	571039.2	4178246	9.17, 41782	16.91212	6.90765	2.82369	857.31055	271.11205	1316.76682	274.95229	93.64332	189.48612	1.22E-07	5.68E-05	8.18E-06	3.76E-11	1.14E-10	8.98E-11	6.51E-15	1.57E-13	8.68E-15	1.72492E-13	1.22E-07	5.6832E-05	8.18E-06	3.84916E-11	2.63283E-14	1.92124E-11	4.38E-15
779	571039.2	4178286	9.17, 41782	28.85834	15.10006	3.68614	1240.055	260.3069	1323.38037	549.80999	92.85324	215.01085	1.59E-07	5.71E-05	9.29E-06	4.92E-11	1.48E-10	1.17E-10	8.5E-15	2.05E-13	1.13E-14	2.2528E-13	1.593E-07	5.7118E-05	9.29E-06	5.02713E-11	3.43855E-14	2.5092E-11	5.72E-15
780	571039.2	4178326	9.17, 41783	6.67676	17.1171	4.10991	443.85334	276.43557	1246.54946	131.23026	111.87763	155.81868	1.78E-07	5.38E-05	6.73E-06	5.48E-11	1.65E-10	1.31E-10	9.48E-15	2.29E-13	1.26E-14	2.5114E-13	1.776E-07	5.3801E-05	6.73E-06	5.60419E-11	3.83327E-14	2.79723E-11	6.38E-15
781	571039.2	4178366	9.17, 41783	4.40971	16.57374	4.87433	310.01939	259.88486	992.68074	73.97776	106.04392	160.75052	2.11E-07	4.28E-05	6.94E-06	6.5E-11	1.96E-10	1.55E-10	1.12E-14	2.72E-13	1.5E-14	2.97788E-13	2.105E-07	4.2845E-05	6.94E-06	6.64515E-11	4.54528E-14	3.31681E-11	7.56E-15
782	571039.2	4178406	9.17, 41784	4.40492	15.47088	6.2465	249.62047	251.60574	625.26496	54.55389	95.67705	86.62547	2.7E-07	2.7E-05	3.74E-06	8.32E-11	2.51E-10	1.99E-10	1.44E-14	3.48E-13	1.92E-14	3.81529E-13	2.698E-07	2.6988E-05	3.74E-06	8.51384E-11	5.82347E-14	4.24953E-11	9.69E-15
783	571039.2	4178446	9.17, 41784	6.02235	17.33371	7.45895	271.18693	258.43077	565.95619	53.34538	113.33058	91.15286	3.22E-07	2.44E-05	3.93E-06	9.94E-11	3E-10	2.37E-10	1.72E-14	4.15E-13	2.29E-14	4.55569E-13	3.221E-07	2.4428E-05	3.93E-06	1.0166E-10	6.95356E-14	5.07419E-11	1.16E-14
784	571079.2	4178246	9.17, 41782	26.90238	12.76385	4.78342	686.22219	257.40547	1959.72628	294.80616	92.56412	417.67679	2.07E-07	8.46E-05	1.8E-05	6.38E-11	1.93E-10	1.52E-10	1.1E-14	2.66E-13	1.47E-14	2.9222E-13	2.066E-07	8.458E-05	1.8E-05	6.52089E-11	4.46029E-14	3.25479E-11	7.42E-15
785	571079.2	4178286	9.17, 41782	49.90964	15.92317	13.80121	957.6563	283.49226	4117.74908	414.11972	108.09945	689.22522	5.96E-07	0.000178	2.98E-05	1.84E-10	5.55E-10	4.39E-10	3.18E-14	7.69E-13	4.24E-14	8.42756E-13	5.959E-07	0.00017772	2.98E-05	1.88061E-10	1.28634E-13	9.38674E-11	2.14E-14
786	571079.2	4178326	9.17, 41783	16.67986	14.36437	14.4793	793.60016	243.70787	3077.685	313.14105	91.11491	664.711	6.25E-07	0.000133	2.87E-05	1.93E-10	5.82E-10	4.6E-10	3.34E-14	8.06E-13	4.45E-14	8.84067E-13	6.251E-07	0.00013283	2.87E-05	1.9728E-10	1.34939E-13	9.84687E-11	2.25E-14
787	571079.2	4178366	9.17, 41783	6.18218	17.09307	7.0902	419.38901	255.0076	1488.27193	110.95083	108.56867	287.95219	3.06E-07	6.42E-05	1.24E-05	9.45E-11	2.85E-10	2.25E-10	1.63E-14	3.95E-13	2.18E-14	4.33057E-13	3.062E-07	6.4233E-05	1.24E-05	9.66367E-11	6.60995E-14	4.82345E-11	1.1E-14
788	571079.2	4178406	9.17, 41784	4.42977	14.91	5.35349	310.20505	209.99469	815.89349	72.09993	91.11305	117.58287	2.31E-07	3.52E-05	5.08E-06	7.13E-11	2.15E-10	1.7E-10	1.23E-14	2.98E-13	1.65E-14	3.27011E-13	2.312E-07	3.5214E-05	5.08E-06	7.29727E-11	4.99133E-14	3.6423E-11	8.3E-15
789	571119.2	4178286	9.17, 41782	25.0824	15.07438	138.00946	507.91812	256.39153	16734.57469	211.8106	106.96205	4271.60103	5.96E-06	0.000722	0.000184	1.84E-09	5.55E-09	4.38E-09	3.18E-13	7.68E-12	4.24E-13	8.42442E-12	5.956E-06	0.00072222	0.000184	1.87991E-09	1.28586E-12	9.38325E-10	2.14E-13
790	571119.2	4178326	9.17, 41783	197.49067	14.51391	52.98238	3348.29445	230.6601	7805.71053	1622.72219	95.52079	2122.69744	2.29E-06	0.000337	9.16E-05	7.06E-10	2.13E-09	1.68E-09	1.22E-13	2.95E-12	1.63E-13	3.23462E-12	2.287E-06	0.00033688	9.16E-05	7.21806E-10	4.93716E-13	3.60277E-10	8.21E-14
791	571119.2	4178366	9.17, 41783	10.01384	12.46582	9.59129	630.48898	206.62645	2115.5821	198.58486	83.22549	424.70779	4.14E-07	9.13E-05	1.83E-05	1.28E-10	3.86E-10	3.05E-10	2.21E-14	5.34E-13	2.95E-14	5.85661E-13	4.141E-07	9.1306E-05	1.83E-05	1.3069E-10	8.93923E-14	6.52318E-11	1.49E-14
792	571159.2	4178326	9.17, 41783	219.15803	19.05137	35.48029	3124.9508	277.70648	3646.5914	1560.39264	128.55095	753.34584	1.53E-06	0.000157	3.25E-05	4.73E-10	1.43E-09	1.13E-09	8.18E-14	1.98E-12	1.09E-13	2.16639E-12	1.532E-06	0.00015738	3.25E-05	4.83431E-10	3.30667E-13	2.41296E-10	5.5E-14
793	570808.8	4178465	8.82, 41784	10.95844	3.34212	2.15804	1253.90468	193.66587	956.23037	302.59047	56.7134	159.37173	9.32E-08	4.13E-05	6.88E-06	2.88E-11	8.68E-11	6.86E-11	4.98E-15	1.2E-13	6.63E-15	1.31797E-13	9.318E-08	4.1272E-05	6.88E-06	2.94104E-11	2.01167E-14	1.46797E-11	3.35E-15
794	570823.9	4178530	3.91, 41785	3.05561	3.25593	2.40542	358.64643	197.99385	1108.94733	70.39413	63.38636	140.39269	1.04E-07	4.79E-05	6.06E-06	3.2E-11	9.68E-11	7.64E-11	5.55E-15	1.34E-13	7.39E-15	1.46882E-13	1.039E-07	4.7862E-05	6.06E-06	3.27768E-11	2.24193E-14	1.63599E-11	3.73E-15
795	570883.3	4178602	3.31, 41786	3.07425	4.49746	2.05933	479.66242	287.53386	914.81532	94.76169	103.00469	119.05382	8.89E-08	3.95E-05	5.14E-06	2.74E-11	8.29E-11	6.54E-11	4.75E-15	1.15E-13	6.33E-15	1.25775E-13	8.893E-08	3.9485E-05	5.14E-06	2.80668E-11	1.91977E-14	1.4009E-11	3.19E-15
796	571181.5	4178310	1.45, 41783	77.30582	13.12592	35.80897	2585.53888	242.23364	1672.90767	872.95261	114.20023	513.62427	1.55E-06	7.22E-05	2.22E-05	4.77E-10	1.44E-09	1.14E-09	8.25E-14	1.99E-12	1.1E-13	2.18612E-12	1.546E-06	7.2204E-05	2.22E-05	4.87834E-10	3.33679E-13	2.43494E-10	5.55E-14
797	571067.8	4178207	7.83, 41782	5.36607	4.9243	1.64986	895.65181	299.02694	904.65641	223.56067	96.05921	144.20823	7.13E-08	3.9E-05	6.23E-06	2.2E-11	6.64E-11	5.24E-11	3.81E-15	9.19E-14	5.07E-15	1.00791E-13	7.126E-08	3.9047E-05	6.23E-06	2.24916E-11	1.53843E-14	1.12263E-11	2.56E-15
798	570799.9	4178447	9.89, 41784	4.88888	2.78293	1.75814	732.83791	152.28075	768.58836	142.77112	52.0733	124.31973	7.59E-08	3.32E-05	5.37E-06	2.34E-11	7.07E-11	5.59E-11	4.05E-15	9.79E-14	5.4E-15	1.07368E-13	7.591E-08	3.3173E-05	5.37E-06	2.39592E-11	1.63881E-14	1.19588E-11	2.73E-15

	Trenching	Grading	Stockpile
Emissions Rate (g/s):	1.61E-13	1.43E-12	5.81E-09

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	0.04	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	0.04	10	2	70	0.85
2<9	861	1	0.854795	0.000001	0.04	3	0.55	70	0.72
Student	640	1	0.493151	0.000001	0.04	3	2.8	70	1
Worker	230	1	0.684932	0.000001	0.04	1	2.8	70	1

1,2-Dichlorobenzene

	Chronic (Annu	Acute (1hr)	8hr
REL:	800	1	1

													Concentration (µg/m^3)			Unmitigated										Student		Worker	
				Concentration [µg/m^3] at 1 g/s									Unmitigated			Residential Dose			Risk by Age Group				Unmitigated			Unmitigated		Unmitigated	
#	X	Y	X,Y	Trenching Period	Grading Period	Stockpile Period	Treching 1hr	Grading 1hr	Stockpile 1hr	Trenching 8hr	Grading 8hr	Stockpile 8hr	Period Tota	1hr Total	8hr Total	3rd	0<2	2<9	3rd	0<2	2<9	Total Risk	Chronic	Acute	8hr	Dose	Risk	Dose	Risk
1	570310.6	4177919	0.55, 41779	0.08215	0.06425	0.08047	53.98877	25.74637	57.86027	6.7486	3.78109	7.23253	4.67E-10	3.36E-07	4.2E-08	1.44E-13	4.36E-13	3.44E-13	1.75E-16	4.23E-15	2.34E-16	4.6394E-15	5.843E-13	3.3606E-07	4.2E-08	1.47528E-13	7.08134E-16	7.36359E-14	1.18E-16
2	570350.6	4177919	0.55, 41779	0.08744	0.06946	0.0859	61.34869	26.43683	62.74615	7.66859	3.66465	7.84327	4.99E-10	3.64E-07	4.56E-08	1.54E-13	4.65E-13	3.67E-13	1.87E-16	4.52E-15	2.49E-16	4.95247E-15	6.237E-13	3.6444E-07	4.56E-08	1.57483E-13	7.55919E-16	7.86049E-14	1.26E-16
3	570390.6	4177919	0.55, 41779	0.09273	0.07514	0.09126	67.57642	27.23616	68.95787	8.44705	3.80844	8.61973	5.3E-10	4.01E-07	5.01E-08	1.64E-13	4.94E-13	3.9E-13	1.99E-16	4.8E-15	2.65E-16	5.26151E-15	6.626E-13	4.0052E-07	5.01E-08	1.6731E-13	8.0309E-16	8.351E-14	1.34E-16
4	570430.6	4177919	0.55, 41779	0.09799	0.08123	0.09661	71.34976	28.07066	72.35504	8.91872	4.01428	9.04438	5.61E-10	4.2E-07	5.25E-08	1.73E-13	5.23E-13	4.13E-13	2.1E-16	5.08E-15	2.8E-16	5.56999E-15	7.015E-13	4.2025E-07	5.25E-08	1.7712E-13	8.50174E-16	8.84061E-14	1.41E-16
5	570470.6	4177919	0.55, 41779	0.10292	0.08757	0.10182	71.34124	28.88227	71.18869	8.91766	4.18506	8.89859	5.91E-10	4.13E-07	5.17E-08	1.83E-13	5.51E-13	4.35E-13	2.22E-16	5.35E-15	2.96E-16	5.87039E-15	7.393E-13	4.1347E-07	5.17E-08	1.86672E-13	8.96027E-16	9.31741E-14	1.49E-16
6	570510.6	4177919	0.55, 41779	0.10719	0.09397	0.10631	70.57748	29.51269	72.86498	8.82218	4.31581	9.10812	6.18E-10	4.23E-07	5.29E-08	1.91E-13	5.75E-13	4.54E-13	2.31E-16	5.59E-15	3.09E-16	6.1293E-15	7.719E-13	4.2321E-07	5.29E-08	1.94905E-13	9.35544E-16	9.72834E-14	1.56E-16
7	570550.6	4177919	0.55, 41779	0.11095	0.10041	0.10942	80.02506	30.00614	83.29269	10.00313	4.88273	10.41159	6.36E-10	4.84E-07	6.05E-08	1.96E-13	5.92E-13	4.68E-13	2.38E-16	5.75E-15	3.18E-16	6.30866E-15	7.945E-13	4.8377E-07	6.05E-08	2.00609E-13	9.62921E-16	1.0013E-13	1.6E-16
8	570590.6	4177919	0.55, 41779	0.11537	0.10684	0.11183	81.14556	31.22548	84.40479	10.14319	5.49199	10.5506	6.5E-10	4.9E-07	6.13E-08	2E-13	6.05E-13	4.78E-13	2.43E-16	5.88E-15	3.25E-16	6.44767E-15	8.12E-13	4.9023E-07	6.13E-08	2.05029E-13	9.84139E-16	1.02337E-13	1.64E-16
9	570630.6	4177919	0.55, 41779	0.12154	0.11343	0.11602	82.02682	32.76834	84.97635	10.54682	6.07261	10.62204	6.74E-10	4.94E-07	6.17E-08	2.08E-13	6.28E-13	4.96E-13	2.53E-16	6.1E-15	3.37E-16	6.68929E-15	8.424E-13	4.9355E-07	6.17E-08	2.12712E-13	1.02102E-15	1.06171E-13	1.7E-16
10	570670.6	4177919	0.55, 41779	0.12896	0.11974	0.12346	90.28793	34.09351	94.2666	12.11861	6.60764	13.84836	7.17E-10	5.48E-07	8.04E-08	2.21E-13	6.68E-13	5.28E-13	2.69E-16	6.49E-15	3.58E-16	7.11824E-15	8.965E-13	5.4751E-07	8.04E-08	2.26352E-13	1.08649E-15	1.1298E-13	1.81E-16
11	570710.6	4177919	0.55, 41779	0.13589	0.12543	0.13131	92.03158	38.34133	98.54944	11.50395	7.03486	13.72911	7.63E-10	5.72E-07	7.97E-08	2.35E-13	7.11E-13	5.61E-13	2.86E-16	6.9E-15	3.81E-16	7.57081E-15	9.535E-13	5.7239E-07	7.97E-08	2.40744E-13	1.15557E-15	1.20163E-13	1.92E-16
12	570750.6	4177919	0.55, 41779	0.14097	0.13029	0.13561	98.93292	42.68075	106.54938	12.36662	7.25038	14.15663	7.88E-10	6.19E-07	8.22E-08	2.43E-13	7.34E-13	5.8E-13	2.95E-16	7.13E-15	3.94E-16	7.81874E-15	9.847E-13	6.1885E-07	8.22E-08	2.48628E-13	1.19341E-15	1.24098E-13	1.99E-16
13	570790.6	4177919	0.55, 41779	0.1434	0.13429	0.137	101.78306	44.96916	112.12821	12.72288	7.16867	14.01603	7.96E-10	6.51E-07	8.14E-08	2.46E-13	7.41E-13	5.86E-13	2.98E-16	7.2E-15	3.98E-16	7.89893E-15	9.948E-13	6.5126E-07	8.14E-08	2.51177E-13	1.20565E-15	1.25371E-13	2.01E-16
14	570830.6	4177919	0.55, 41779	0.14249	0.1373	0.1371	103.05806	46.92439	113.14313	12.88226	6.63254	14.14289	7.96E-10	6.57E-07	8.22E-08	2.46E-13	7.42E-13	5.86E-13	2.98E-16	7.21E-15	3.98E-16	7.90473E-15	9.955E-13	6.5715E-07	8.22E-08	2.51362E-13	1.20654E-15	1.25463E-13	2.01E-16
15	570870.6	4177919	0.55, 41779	0.13915	0.13926	0.13269	113.81753	49.41272	127.10432	14.22719	6.17659	15.88804	7.71E-10	7.38E-07	9.23E-08	2.38E-13	7.18E-13	5.67E-13	2.89E-16	6.98E-15	3.85E-16	7.65056E-15	9.635E-13	7.3824E-07	9.23E-08	2.43279E-13	1.16774E-15	1.21429E-13	1.94E-16
16	570910.6	4177919	0.55, 41779	0.13537	0.14116	0.12571	103.09741	52.00284	118.27061	16.13684	6.50036	14.78383	7.3E-10	6.87E-07	8.59E-08	2.25E-13	6.8E-13	5.37E-13	2.74E-16	6.61E-15	3.65E-16	7.24825E-15	9.128E-13	6.8694E-07	8.59E-08	2.30486E-13	1.10633E-15	1.15043E-13	1.84E-16
17	570950.6	4177919	0.55, 41779	0.13129	0.14261	0.12523	128.63222	54.75687	154.09416	19.7206	7.6051	23.34348	7.27E-10	8.95E-07	1.36E-07	2.24E-13	6.78E-13	5.35E-13	2.73E-16	6.58E-15	3.63E-16	7.22059E-15	9.094E-13	8.9499E-07	1.36E-07	2.29607E-13	1.10211E-15	1.14604E-13	1.83E-16
18	570990.6	4177919	0.55, 41779	0.12715	0.1442	0.12572	126.51514	58.01026	163.29109	18.07359	9.36612	23.3273	7.3E-10	9.48E-07	1.36E-07	2.25E-13	6.8E-13	5.38E-13	2.74E-16	6.61E-15	3.65E-16	7.24885E-15	9.129E-13	9.484E-07	1.36E-07	2.30506E-13	1.10643E-15	1.15053E-13	1.84E-16
19	571030.6	4177919	0.55, 41779	0.12254	0.14609	0.11762	125.39004	62.99788	174.41478	17.19472	10.49965	21.80185	6.83E-10	1.01E-06	1.27E-07	2.11E-13	6.37E-13	5.03E-13	2.56E-16	6.18E-15	3.41E-16	6.78198E-15	8.541E-13	1.013E-06	1.27E-07	2.1566E-13	1.03517E-15	1.07643E-13	1.72E-16
20	571070.6	4177919	0.55, 41779	0.1201	0.14847	0.1104	126.80092	67.58831	177.9713	16.22667	10.87469	22.24641	6.41E-10	1.03E-06	1.29E-07	1.98E-13	5.98E-13	4.72E-13	2.4E-16	5.81E-15	3.2E-16	6.36585E-15	8.017E-13	1.0337E-06	1.29E-07	2.02427E-13	9.7165E-16	1.01038E-13	1.62E-16
21	571110.6	4177919	0.55, 41779	0.1205	0.15044	0.10927	126.62476	68.47754	165.66905	20.2586	9.61445	20.70863	6.35E-10	9.62E-07	1.2E-07	1.96E-13	5.91E-13	4.67E-13	2.38E-16	5.75E-15	3.17E-16	6.30074E-15	7.935E-13	9.6223E-07	1.2E-07	2.00357E-13	9.61712E-16	1.00004E-13	1.6E-16
22	571150.6	4177919	0.55, 41779	0.1212	0.15159	0.11602	131.66409	62.22893	172.39569	21.10658	9.19459	24.99313	6.74E-10	1E-06	1.45E-07	2.08E-13	6.28E-13	4.96E-13	2.53E-16	6.1E-15	3.37E-16	6.68983E-15	8.425E-13	1.0013E-06	1.45E-07	2.12729E-13	1.0211E-15	1.0618E-13	1.7E-16
23	571190.6	4177919	0.55, 41779	0.12215	0.15198	0.11825	137.85581	66.48698	180.99172	19.69369	10.25241	26.94632	6.87E-10	1.05E-06	1.57E-07	2.12E-13	6.4E-13	5.06E-13	2.57E-16	6.22E-15	3.43E-16	6.81838E-15	8.587E-13	1.0512E-06	1.57E-07	2.16817E-13	1.04072E-15	1.0822E-13	1.73E-16
24	571230.6	4177919	0.55, 41779	0.12354	0.15154	0.11348	148.65332	75.08948	179.38421	21.23619	9.50538	22.42303	6.59E-10	1.04E-06	1.3E-07	2.03E-13	6.14E-13	4.85E-13	2.47E-16	5.97E-15	3.29E-16	6.54343E-15	8.241E-13	1.0419E-06	1.3E-07	2.08074E-13	9.98755E-16	1.03856E-13	1.66E-16
25	571270.6	4177919	0.55, 41779	0.12544	0.15047	0.11372	135.01221	73.55453	181.97135	18.66937	9.80753	25.99591	6.61E-10	1.06E-06	1.51E-07	2.04E-13	6.16E-13	4.86E-13	2.48E-16	5.98E-15	3.3E-16	6.55725E-15	8.258E-13	1.0569E-06	1.51E-07	2.08513E-13	1.00086E-15	1.04076E-13	1.67E-16
26	571310.6	4177919	0.55, 41779	0.12844	0.14895	0.1185	144.25948	74.57026	160.72945	18.03243	9.63087	20.79832	6.88E-10	9.34E-07	1.21E-07	2.12E-13	6.41E-13	5.07E-13	2.58E-16	6.23E-15	3.44E-16	6.83276E-15	8.605E-13	9.3355E-07	1.21E-07	2.17274E-13	1.04292E-15	1.08449E-13	1.74E-16
27	571350.6	4177919	0.55, 41779	0.13264	0.1484	0.12186	134.13439	65.82548	182.86761	16.7668	8.49886	22.85845	7.08E-10	1.06E-06	1.33E-07	2.18E-13	6.6E-13	5.21E-13	2.65E-16	6.41E-15	3.54E-16	7.02643E-15	8.849E-13	1.0621E-06	1.33E-07	2.23433E-13	1.07248E-15	1.11522E-13	1.78E-16
28	571390.6	4177919	0.55, 41779	0.13487	0.1464	0.12015	140.45529	51.40311	177.22554	17.55691	7.98518	22.15319	6.98E-10	1.03E-06	1.29E-07	2.15E-13	6.5E-13	5.14E-13	2.62E-16	6.32E-15	3.49E-16	6.92784E-15	8.725E-13	1.0293E-06	1.29E-07	2.20298E-13	1.05743E-15	1.09958E-13	1.76E-16
29	571430.6	4177919	0.55, 41779	0.14548	0.15293	0.12366	139.19794	49.3636	190.22803	17.39974	7.65374	23.7785	7.18E-10	1.1E-06	1.38E-07	2.22E-13	6.69E-13	5.29E-13	2.69E-16	6.5E-15	3.59E-16	7.13027E-15	8.98E-13	1.1048E-06	1.38E-07	2.26735E-13	1.08833E-15	1.13171E-13	1.81E-16
30	571470.6	4177919	0.55, 41779	0.15916	0.16179	0.13045	134.87595	45.89373	190.37308	16.85949	6.86379	23.79664	7.58E-10	1.11E-06	1.38E-07	2.34E-13	7.06E-13	5.58E-13	2.84E-16	6.86E-15	3.79E-16	7.5218E-15	9.473E-13	1.1057E-06	1.38E-07	2.39185E-13	1.14809E-15	1.19385E-13	1.91E-16
31	571510.6	4177919	0.55, 41779	0.17426	0.17151	0.14116	122.2315	42.4201	161.48029	15.27894	5.85942	20.18504	8.2E-10	9.38E-07	1.17E-07	2.53E-13	7.64E-13	6.04E-13	3.07E-16	7.42E-15	4.1E-16	8.13929E-15	1.025E-12	9.3786E-07	1.17E-07	2.58821E-13	1.24234E-15	1.29186E-13	2.07E-16
32	571550.6	4177919	0.55, 41779	0.18787	0.18026	0.15558	112.99449	35.73716	155.78517	14.12431	5.76206	19.47315	9.04E-10	9.05E-07	1.13E-07	2.79E-13	8.42E-13	6.65E-13	3.39E-16	8.18E-15	4.52E-16	8.97062E-15	1.13E-12	9.0478E-07	1.13E-07	2.85256E-13	1.36923E-15	1.4238E-13	2.28E-16
33	571590.6	4177919	0.55, 41779	0.19949	0.18751	0.17419	94.68734	29.26563	123.69427	11.83592	5.30509	15.46178	1.01E-09	7.18E-07	8.98E-08	3.12E-13	9.43E-13	7.45E-13	3.79E-16	9.16E-15	5.06E-16	1.00434E-14	1.265E-12	7.184E-07	8.98E-08	3.1937E-13	1.53298E-15	1.59408E-13	2.55E-16
34	570310.6	4177959	0.55, 41779	0.08597	0.06676	0.0838	56.89619	26.25101	62.23098	7.11202	4.18522	7.77887	4.87E-10	3.61E-07	4.52E-08	1.5E-13	4.54E-13	3.58E-13	1.82E-16	4.41E-15	2.43E-16	4.83138E-15	6.085E-13	3.6145E-07	4.52E-08	1.53633E-13	7.37437E-16	7.6683E-14	1.23E-16
35	570350.6	4177959	0.55, 41779	0.09204	0.07257	0.08995	58.96006	27.16756	63.77509	7.37001	4.19821	7.97189	5.22E-10	3.7E-07	4.63E-08	1.61E-13	4.87E-13	3.85E-13	1.96E-16	4.73E-15	2.61E-16	5.18597E-15	6.531E-13	3.7042E-07	4.63E-08	1.64908E-13	7.91559E-16	8.23109E-14	1.32E-16
36	570390.6	4177959	0.55, 41779	0.09833	0.07904	0.09639	63.0038	28.02201	66.12463	7.87548	4.15896	8.26558	5.6E-10	3.84E-07	4.8E-08	1.73E-13	5.22E-13	4.12E-13	2.1E-16	5.07E-15	2.8E-16	5.55728E-15	6.999E-13	3.8406E-07	4.8E-08	1.76715E-13	8.48234E-16	8.82043E-14	1.41E-16
37	570430.6	4177959	0.55, 41779	0.10461	0.08611	0.10266	70.72142	28.76698	72.80329	8.84018	4.23038	9.10041	5.96E-10	4.23E-07	5.29E-08	1.84E-13	5.56E-13	4.39E-13	2.23E-16	5.4E-15	2.98E-16	5.91879E-15	7.454E-13	4.2285E-07	5.29E-08	1.88211E-13	9.03414E-16	9.39423E-14	1.5E-16
38	570470.6	4177959	0.55, 41779	0.11098	0.09385	0.10929	78.78718	29.82596	80.74124	9.8484	4.47695	10.09265	6.35E-10	4.69E-07	5.86E-08	1.96E-13	5.92E-13	4.67E-13	2.38E-16	5.75E-15	3.17E-16	6.30107E-15	7.936E-13	4.6895E-07	5.86E-08	2.00367E-13	9.61763E-16	1.0001E-13	1.6E-16
39	570510.6	4177959	0.55, 41779	0.1169	0.10189	0.11567	83.26174	30.87615	84.48278	10.40772	4.70339	10.56035	6.72E-10	4.91E-07	6.13E-08	2.07E-13	6.26E-13	4.95E-13	2.52E-16	6.08E-15	3.36E-16	6.66895E-15	8.399E-13	4.9068E-07	6.13E-08	2.12065E-13	1.01791E-15	1.05849E-13	1.69E-16
40	570550.6	4177959	0.55, 41779	0.12213	0.11	0.12099	82.46075	31.83495	82.01237	10.30759	4.9071	10.25155	7.03E-10	4.76E-07	5.96E-08	2.17E-13	6.55E-13	5.17E-13	2.63E-16	6.36E-15	3.51E-16	6.97572E-15	8.785E-13	4.7634E-07	5.96E-08	2.2182E-13	1.06474E-15	1.10718E-13	1.77E-16
41	570590.6	4177959	0.55, 41779	0.1275	0.1185	0.12492	87.61849	32.53805	91.54904	10.95231	5.6614	11.44363	7.26E-10	5.32E-07	6.65E-08	2.24E-13	6.76E-13	5.34E-13	2.72E-16	6.57E-15	3.63E-16	7.20238E-15	9.071E-13	5.3172E-07	6.65E-08	2.29028E-13	1.09933E-15	1.14315E-13	1.83E-16
42	570630.6	4177959	0.55, 41779	0.13429	0.12721	0.12893	94.25098	33.95012	99.61773	11.78137	6.34882	12.45222	7.49E-10	5.79E-07	7.23E-08	2.31E-13	6.98E-13	5.51E-13	2.81E-16	6.78E-15	3.74E-16	7.43365E-15	9.362E-13	5.7859E-07	7.23E-08	2.36382E-13	1.13463E-15	1.17986E-13	1.89E-16
43	570670.6	4177959	0.55, 41779	0.1434	0.13582	0.13624	91.47953	35.4429	96.20253	12.89467	6.97952	13.63762	7.91E-10	5.59E-07	7.92E-08	2.44E-13	7.37E-13	5.82E-13	2.97E-16	7.16E-15	3.95E-16	7.85514E-15	9.893E-13	5.5875E-07	7.92E-08	2.49785E-13	1.19897E-15	1.24676E-13	1.99E-16
44	570710.6	4177959	0.55, 41779	0.15342	0.14402	0.1467	103.54122	38.62398	108.53691	12.94265	7.57754	15.98544	8.52E-10	6.3E-07	9.29E-08	2.63E-13	7.94E-13	6.27E-13	3.19E-16	7.71E-15	4.26E-16	8.4582E-15	1.065E-12	6.3039E-07	9.29E-08	2.68962E-13	1.29102E-15	1.34247E-13	2.15E-16
45	570750.6	4177959	0.55, 41779	0.16261	0.1515	0.15549	105.52732	44.38977	114.23814	13.19092	8.09206	15.7724	9.03E-10	6.64E-07	9.16E-08	2.79E-13	8.42E-13	6.65E-13	3.38E-16	8.18E-15	4.51E-16	8.96498E-15	1.129E-12	6.6351E-07	9.16E-08	2.85077E-13	1.36837E-15	1.42291E-13	2.28E-16
46	570790.6	4177959	0.55, 41779	0.16989	0.15823	0.16076	113.60479	47.24143	124.57926	14.2006	8.3928	15.57241	9.34E-10	7.24E-07	9.05E-08	2.88E-13	8.7E-13	6.87E-13	3.5E-16	8.45E-15	4.67E-16	9.26885E-15	1.167E-12	7.2357E-07	9.05E-08	2.9474E-13	1.41475E-15	1.47114E-13	2.35E-16
47	570830.6	4177959	0.55, 41779	0.1738	0.16401	0.16481	115.20896	49.45722	130.36471	14.40112	8.28774	16.29559	9.57E-10	7.57E-07	9.47E-08	2.95E-13	8.92E-13	7.05E-13	3.59E-16	8.67E-15	4.78E-16	9.50239E-15	1.197E-12	7.5717E-07	9.47E-08	3.02166E-13	1.4504E-15	1.50821E-13	2.41E-16
48	570870.6	4177959	0.55, 41779	0.17339	0.16851	0.16469	122.33209	52.01335	138.82114	15.29151	7.46689	17.35264	9.57E-10	8.06E-07	1.01E-07	2.95E-13	8.91E-13	7.04E-13	3.58E-16	8.66E-15	4.78E-16	9.49553E-15	1.196E-12	8.0629E-07	1.01E-07	3.01948E-13	1.44935E-15	1.50712E-13	2.41E-16
49	570910.6	4177959	0.55, 41779	0.16973	0.17204	0.1579	128.70888	55.67631	149.19916	16.08861	6.95954	18.64989	9.17E-10	8.67E-07	1.08E-07	2.83E-13	8.55E-13	6.75E-13	3.44E-16	8.3E-15	4.58E-16	9.1042E-15	1.147E-12	8.6656E-07	1.08E-07	2.89504E-13	1.38962E-15	1.44501E-13	2.31E-16
50	570950.6	4177959	0.55, 41779	0.16375	0.1746	0.15354	137.78687	58.35606	146.62449	21.41966	8.40086	22.62642	8.92E-10	8.52E-07	1.31E-07	2.75E-13	8.31E-13	6.56E-13	3.34E-16	8.07E-15	4.46E-16	8.85291E-15	1.115E-12	8.5161E-07	1.31E-07	2.81513E-13	1.35126E-15	1.40512E-13	2.25E-16
51	570990.6	4177959	0.55, 41779	0.1571	0.17611	0.15296	148.41379	62.43724	189.01685	21.20197	10.20575	28.13097	8.89E-10	1.1E-06	1.63E-07	2.74E-13	8.28E-13	6.54E-13	3.33E-16	8.04E-15	4.44E-16	8.81949E-15	1.111E-12	1.0978E-06	1.63E-07	2.8045E-13	1.34616E-15	1.39982E-13	2.24E-16
52	571030.6	4177959	0.55, 41779	0.15135	0.1787	0.14372	141.29712	68.4386	198.29024	19.05284	11.40643	25.9054	8.35E-10	1.15E-06	1.5E-07	2.58E-13	7.78E-13	6.14E-13	3.13E-16	7.56E-15	4.17E-16	8.28692E-15	1.044E-12	1.1517E-06	1.5E-07	2.63515E-13	1.26487E-15	1.31529E-13	2.1E-16
53	571070.6	4177959	0.55, 41779	0.14838	0.1815	0.13361	143.49488	74.36914	202.29359	18.79197	11.80682	25.2867	7.76E-10	1.17E-06	1.47E-07	2.4E-13	7.23E-13	5.71E-13	2.91E-16	7.03E-15	3.88E-16	7.7042E-15	9.703E-13	1.1749E-06	1.47E-07	2.44985E-13	1.17593E-15	1.2228E-13	1.96E-16
54	571110.6	4177959	0.55, 41779	0.14858	0.18375	0.13332	140.62761	73.34522	192.64407	22.74237	10.22286	24.08051	7.75E-10	1.12E-06	1.4E-07	2.39E-13	7.22E-13	5.7E-13	2.9E-16	7.01E-15	3.87E-16	7.68752E-15	9.682E-13	1.1189E-06	1.4E-07	2.44455E-13	1.17338E-15	1.22015E-13	1.95E-16
55	571150.6	4177959	0.55, 41779	0.14994	0.18566	0.14292	146.3467	67.83983	199.40983	22.92053	11.48399	30.37919	8.3E-10	1.16E-06	1.76E-07	2.56E-13	7.74E-13	6.11E-13	3.11E-16	7.51E-15	4.15E-16	8.2409E-15	1.038E-12	1.1582E-06	1.76E-07	2.62052E-13	1.25785E-15	1.30798E-13	2.09E-16
56	571190.6	4177959	0.55, 41779	0.1525	0.18616	0.14359	161.89014	78.97315	204.49698	23.12716	11.84075	29.21385	8.34E-10	1.19E-06	1.7E-07	2.57E-13	7.77E-13	6.14E-13	3.13E-16	7.55E-15	4.17E-16	8.27953E-15	1.043E-12	1.1877E-06	1.7E-07	2.6328E-13	1.26374E-15	1.31412E-13	2.1E-16
57	571230.6	4177959	0.55, 41779	0.15542	0.18516	0.1383	156.07845	81.92899	197.17574	22.29692	11.22006	24.64697	8.03E-10	1.15E-06	1.43E-07	2.48E-13	7.49E-13	5.91E-13	3.01E-16	7.27E-15	4.01E-16	7.9746E-15	1.004E-12	1.1452E-06	1.43E-07	2.53584E-13	1.2172E-15	1.26572E-13	2.03E-16
58	571270.6	4177959	0.55, 41779	0.15909	0.18379	0.14205	158.42767	82.70179	205.30007	19.80346	11.54254	29.32858	8.25E-10	1.19E-06	1.7E-07	2.55E-13	7.69E-13	6.07E-13	3.09E-16	7.47E-15	4.12E-16	8.19074E-15	1.032E-12	1.1924E-06	1.7E-07	2.60457E-13	1.25019E-15	1.30002E-13	2.08E-16
59	571310.6	4177959	0.55, 41779	0.1655	0.18382	0.1484	150.26158	75.50789	204.0765	18.7827	10.48328	25.50956	8.62E-10	1.19E-06	1.48E-07	2.66E-13	8.03E-13	6.34E-13	3.23E-16	7.8E-15	4.31E-16	8.55677E-15	1.078E-12	1.1853E-06	1.48E-07	2.72096E-13	1.30606E-15	1.35812E-13	2.17E-16
60	571350.6	4177959	0.55, 41779	0.17654	0.1881	0.15257	154.82597	60.83045	189.56737	19.35325	9.71095	23.69592	8.86E-10	1.1E-06	1.38E-07	2.74E-13	8.26E-13	6.52E-13	3.32E-16	8.02E-15	4.43E-16	8.79721E-15	1.108E-12	1.101E-06	1.38E-07	2.79742E-13	1.34276E-15	1.39628E-13	2.23E-16
61	571390.6	4177959	0.55, 41779	0.18842	0.1934	0.15428	152.92189	54.55359	214.59873	19.11524	9.16318	26.82484	8.96E-10	1.25E-06	1.56E-07	2.77E-13	8.35E-13	6.6E-13	3.36E-16	8.11E-15	4.48E-16	8.89587E-15	1.12E-12	1.2464E-06	1.56E-07	2.82879E-13	1.35782E-15	1.41194E-13	2.26E-16
62	571430.6	4177959	0.55, 41779	0.20645	0.20414	0.16292	148.33328	50.38722	217.66749	18.54166	8.09078	27.20844	9.46E-10	1.26E-06	1.58E-07	2.92E-13	8.82E-13	6.97E-13	3.55E-16	8.57E-15	4.73E-16	9.39407E-15	1.183E-12	1.2642E-06	1.58E-07	2.98721E-13	1.43386E-15	1.49101E-13	2.39E-16
63	571470.6	4177959	0.55, 41779	0.22554	0.21577	0.17809	134.13897	46.24246	185.84967	16.76737	6.92684	23.23121	1.03E-09	1.08E-06	1.35E-07	3.19E-13	9.64E-13	7.61E-13	3.88E-16	9.36E-15	5.17E-16	1.02687E-14	1.293E-12	1.0794E-06	1.35E-07	3.26533E-13	1.56736E-15	1.62983E-13	2.61E-16
64	571510.6	4177959	0.55, 41779	0.24332	0.22654	0.20114	122.33786	38.55117	174.21255	15.29223	6.75463	21.77657	1.17E-09	1.01E-06	1.26E-07	3.61E-13	1.09E-12	8.6E-13	4.38E-16	1.06E-14	5.84E-16	1.15975E-14	1.461E-12	1.0118E-06	1.26E-07	3.68787E-13	1.77018E-15	1.84074E-13	2.95E-16
65	571550.6	4177959	0.55, 41779	0.25539	0.23344	0.22684	100.38932	31.1899	131.18831	12.54867	6.13877	16.39854	1.32E-09	7.62E-07	9.53E-08	4.07E-13	1.23E-12	9.7E-13	4.94E-16	1.19E-14	6.58E-16	1.3079E-14	1.647E-12	7.6193E-07	9.53E-08	4.15897E-13	1.99631E-15	2.07587E-13	3.32E-16
66	571590.6	4177959	0.55, 41779	0.26174	0.2364	0.25018	103.20811	24.1035	113.64553	12.90101	5.55119	14.20569	1.45E-09	6.6E-07	8.25E-08	4.48E-13	1.35E-12	1.07E-12	5.45E-16	1.32E-14	7.26E-16	1.44244E-14	1.817E-12	6.6004E-07	8.25E-08	4.58679E-13	2.20166E-15	2.28941E-13	3.66E-16
67	570310.6	4177999	0.55, 41779	0.08992	0.06909	0.08739	61.55411	26.71644	63.33313	7.69426	4.42886	7.91664	5.08E-10	3.68E-07	4.6E-08	1.57E-13	4.73E-13	3.74E-13	1.9E-16	4.59E-15	2.54E-16	5.03835E-15	6.345E-13	3.6785E-07	4.6E-08	1.60214E-13	7.69028E-16	7.9968E-14	1.28E-16
68	570350.6	4177999	0.55, 41779	0.09687	0.07551	0.09431	63.16088	27.72336	68.96816	7.89511	4.52605	8.62102	5.48E-10	4.01E-07	5.01E-08	1.69E-13	5.1E-13	4.03E-13	2.05E-16	4.96E-15	2.74E-16	5.43733E-15	6.848E-13	4.0058E-07	5.01E-08	1.72901E-13	8.29926E-16	8.63005E-14	1.38E-16
69	570390.6	4177999	0.55, 41779	0.10411	0.08268	0.10154	65.18315	28.66629	70.59128	8.14789	4.5901	8.82391	5.9E-10	4.1E-07	5.13E-08	1.82E-13	5.5E-13	4.34E-13	2.21E-16	5.34E-15	2.95E-16	5.85419E-15	7.373E-13	4.1E-07	5.13E-08	1.86157E-13	8.93553E-16	9.29168E-14	1.49E-16
70	570430.6	4177999	0.55, 41779	0.11178	0.0909	0.10932	69.77828	29.77159	73.90272	8.72229	4.64595	9.23784	6.35E-10	4.29E-07	5.37E-08	1.96E-13	5.92E-13	4.67E-13	2.38E-16	5.75E-15	3.17E-16	6.30276E-15	7.938E-13	4.2924E-07	5.37E-08	2.00421E-13	9.62021E-16	1.00037E-13	1.6E-16
71	570470.6	4177999	0.55, 41779	0.11947	0.09994	0.11702	73.23749	30.82615	79.61188	9.15469	4.70414	9.95148	6.8E-10	4.62E-07	5.78E-08	2.1E-13	6.33E-13	5E-13	2.55E-16	6.15E-15	3.4E-16	6.74674E-15	8.497E-13	4.6239E-07	5.78E-08	2.14539E-13	1.02979E-15	1.07083E-13	1.71E-16
72	570510.6	4177999	0.55, 41779	0.12689	0.1096	0.1248	83.36058	31.87471	86.19643	10.42007	5.00665	10.77455	7.25E-10	5.01E-07	6.26E-08	2.24E-13	6.75E-13	5.34E-13	2.72E-16	6.56E-15	3.62E-16	7.19533E-15	9.062E-13	5.0064E-07	6.26E-08	2.28804E-13	1.09826E-15	1.14203E-13	1.83E-16
73	570550.6	4177999	0.55, 41779	0.1338	0.11968	0.13227	93.92369	33.13511	96.59692	11.74046	5.30601	12.07462	7.68E-10	5.61E-07	7.01E-08	2.37E-13	7.16E-13	5.65E-13	2.88E-16	6.95E-15	3.84E-16	7.62606E-15	9.604E-13	5.6104E-07	7.01E-08	2.42501E-13	1.164E-15	1.2104E-13	1.94E-16
74	570590.6	4177999	0.55, 41779	0.14077	0.13095	0.13895	98.98148	34.43475	100.81152	12.37268	5.77536	12.60144	8.07E-10	5.86E-07	7.32E-08	2.49E-13	7.52E-13	5.94E-13	3.02E-16	7.31E-15	4.03E-16	8.01127E-15	1.009E-12	5.8552E-07	7.32E-08	2.5475E-13	1.2228E-15	1.27154E-13	2.03E-16
75	570630.6	4177999	0.55, 41779	0.14863	0.14246	0.14416	96.29887	35.58815	97.29546	12.03736	6.62596	12.16193	8.37E-10	5.65E-07	7.06E-08	2.58E-13	7.8E-13	6.16E-13	3.14E-16	7.58E-15	4.18E-16	8.31176E-15	1.047E-12	5.651E-07	7.06E-08	2.64305E-13	1.26866E-15	1.31923E-13	2.11E-16
76	570670.6	4177999	0.55, 41779	0.15906	0.15417	0.15133	108.0953	37.02771	115.61321	13.51191	7.37805	14.45165	8.79E-10	6.71E-07	8.39E-08	2.71E-13	8.19E-13	6.47E-13	3.29E-16	7.96E-15	4.39E-16	8.72523E-15	1.099E-12	6.7148E-07	8.39E-08	2.77453E-13	1.33177E-15	1.38486E-13	2.22E-16
77	570710.6	4177999	0.55, 41779	0.17207	0.16581	0.16328	109.21603	39.28347	116.55796	14.39109	8.06843	17.60456	9.48E-10	6.77E-07	1.02E-07	2.93E-13	8.84E-13	6.98E-13	3.55E-16	8.58E-15	4.74E-16	9.41422E-15	1.186E-12	6.7697E-07	1.02E-07	2.99362E-13	1.43694E-15	1.49421E-13	2.39E-16
78	570750.6	4177999	0.55, 41779	0.18601	0.17706	0.17647	119.66853	46.10023	126.10142	14.95857	8.7788	16.77146	1.03E-09	7.32E-07	9.74E-08	3.16E-13	9.55E-13	7.54E-13	3.84E-16	9.28E-15	5.12E-16	1.01747E-14	1.281E-12	7.3241E-07	9.74E-08	3.23544E-13	1.55301E-15	1.61491E-13	2.58E-16
79	570790.6	4177999	0.55, 41779	0.19953	0.18772	0.18696	122.67556	49.8289	134.57394	15.33445	9.45426	16.82174	1.09E-09	7.82E-07	9.77E-08	3.35E-13	1.01E-12	7.99E-13	4.07E-16	9.83E-15	5.43E-16	1.07795E-14	1.358E-12	7.8162E-07	9.77E-08	3.42777E-13	1.64533E-15	1.71091E-13	2.74E-16
80	570830.6	4177999	0.55, 41779	0.21109	0.19773	0.1968	133.54261	52.4094	148.58094	16.69283	9.90962	18.57262	1.14E-09	8.63E-07	1.08E-07	3.53E-13	1.07E-12	8.41E-13	4.28E-16	1.03E-14	5.71E-16	1.13469E-14	1.429E-12	8.6297E-07	1.08E-07	3.60818E-13	1.73193E-15	1.80096E-13	2.88E-16
81	570870.6	4177999	0.55, 41779	0.21804	0.20674	0.20398	131.45449	55.15858	156.57352	16.43181	9.77159	19.57169	1.18E-09	9.09E-07	1.14E-07	3.66E-13	1.1E-12	8.72E-13	4.44E-16	1.07E-14	5.92E-16	1.17609E-14	1.481E-12	9.0939E-07	1.14E-07	3.73983E-13	1.79512E-15	1.86667E-13	2.99E-16
82	570910.6	4177999	0.55, 41779	0.21803	0.21414	0.20286	148.11273	59.13207	173.84644	18.51409	8.43226	21.73081	1.18E-09	1.01E-06	1.26E-07	3.64E-13	1.1E-12	8.67E-13	4.42E-16	1.07E-14	5.89E-16	1.16964E-14	1.473E-12	1.0097E-06	1.26E-07	3.71933E-13	1.78528E-15	1.85644E-13	2.97E-16
83	570950.6	4177999	0.55, 41779	0.2114	0.21889	0.19586	140.12444	63.58464	170.21851	21.83562	9.32684	21.27731	1.14E-09	9.89E-07	1.24E-07	3.51E-13	1.06E-12	8.37E-13	4.26E-16	1.03E-14	5.68E-16	1.1293E-14	1.422E-12	9.8864E-07	1.24E-07	3.59104E-13	1.7237E-15	1.7924E-13	2.87E-16
84	570990.6	4177999	0.55, 41779	0.2013	0.22185	0.19061	171.25011	67.61488	221.4052	25.43318	11.18299	33.45295	1.11E-09	1.29E-06	1.94E-07	3.42E-13	1.03E-12	8.15E-13	4.15E-16	1E-14	5.53E-16	1.09904E-14	1.384E-12	1.2859E-06	1.94E-07	3.49482E-13	1.67752E-15	1.74438E-13	2.79E-16
85	571030.6	4177999	0.55, 41779	0.19301	0.22456	0.1804	161.4506	75.02365	233.40135	21.94671	12.50394	33.34305	1.05E-09	1.36E-06	1.94E-07	3.23E-13	9.76E-13	7.71E-13	3.93E-16	9.49E-15	5.24E-16	1.04019E-14	1.31E-12	1.3556E-06	1.94E-07	3.30769E-13	1.58769E-15	1.65097E-13	2.64E-16
86	571070.6	4177999	0.55, 41779	0.18927	0.22808	0.16676	165.36156	82.48884	231.46597	21.97245	12.95225	28.93325	9.69E-10	1.34E-06	1.68E-07	2.99E-13	9.03E-13	7.13E-13	3.63E-16	8.77E-15	4.84E-16	9.61572E-15	1.211E-12	1.3444E-06	1.68E-07	3.0577E-13	1.46769E-15	1.52619E-13	2.44E-16
87	571110.6	4177999	0.55, 41779	0.18141	0.21619	0.16049	158.60632	80.72549	237.56536	25.62624	11.81551	29.69982	9.32E-10	1.38E-06	1.73E-07	2.88E-13	8.69E-13	6.86E-13	3.49E-16	8.44E-15	4.66E-16	9.25413E-15	1.165E-12	1.3798E-06	1.73E-07	2.94271E-13	1.4125E-15	1.4688E-13	2.35E-16
88	571150.6	4177999	0.55, 41779	0.19202	0.23351	0.18032	164.05988	80.42402	231.86209	24.96785	14.13496	37.65816	1.05E-09	1.35E-06	2.19E-07	3.23E-13	9.76E-13	7.71E-13	3.93E-16	9.48E-15	5.23E-16	1.03974E-14	1.309E-12	1.3467E-06	2.19E-07	3.30627E-13	1.58701E-15	1.65026E-13	2.64E-16
89	571190.6	4177999	0.55, 41779	0.1978	0.23414	0.17819	182.21875	91.74664	241.78028	26.03125	13.21695	31.92825	1.04E-09	1.4E-06	1.85E-07	3.19E-13	9.65E-13	7.62E-13	3.88E-16	9.37E-15	5.17E-16	1.02747E-14	1.294E-12	1.4043E-06	1.85E-07	3.26723E-13	1.56827E-15	1.63078E-13	2.61E-16
90	571230.6	4177999	0.55, 41779	0.20367	0.23289	0.17473	172.67663	91.69738	231.55794	22.62496	13.85272	33.07971	1.02E-09	1.34E-06	1.92E-07	3.13E-13	9.46E-13	7.47E-13	3.8E-16	9.19E-15	5.07E-16	1.00752E-14	1.269E-12	1.3449E-06	1.92E-07	3.20381E-13	1.53783E-15	1.59912E-13	2.56E-16
91	571270.6	4177999	0.55, 41779	0.21358	0.23476	0.18394	171.66845	86.35935	210.57834	21.45856	13.01074	28.58393	1.07E-09	1.22E-06	1.66E-07	3.3E-13	9.96E-13	7.86E-13	4E-16	9.67E-15	5.34E-16	1.06061E-14	1.336E-12	1.2231E-06	1.66E-07	3.37263E-13	1.61886E-15	1.68339E-13	2.69E-16
92	571310.6	4177999	0.55, 41779	0.23025	0.24083	0.19159	171.26207	72.34733	231.62674	21.40776	11.81711	28.95334	1.11E-09	1.35E-06	1.68E-07	3.43E-13	1.04E-12	8.19E-13	4.17E-16	1.01E-14	5.56E-16	1.10472E-14	1.391E-12	1.3453E-06	1.68E-07	3.51289E-13	1.68619E-15	1.75339E-13	2.81E-16
93	571350.6	4177999	0.55, 41779	0.25373	0.25254	0.198	169.27826	60.68614	249.61103	21.15978	11.13084	31.20138	1.15E-09	1.45E-06	1.81E-07	3.55E-13	1.07E-12	8.47E-13	4.31E-16	1.04E-14	5.75E-16	1.14169E-14	1.438E-12	1.4497E-06	1.81E-07	3.63044E-13	1.74261E-15	1.81207E-13	2.9E-16
94	571390.6	4177999	0.55, 41779	0.27999	0.26698	0.21185	164.13881	55.69534	253.30621	20.51735	9.69774	31.66328	1.23E-09	1.47E-06	1.84E-07	3.8E-13	1.15E-12	9.06E-13	4.61E-16	1.11E-14	6.15E-16	1.22154E-14	1.538E-12	1.4712E-06	1.84E-07	3.88438E-13	1.8645E-15	1.93882E-13	3.1E-16
95	571430.6	4177999	0.55, 41779	0.30187	0.27888	0.2328	148.06777	50.74185	217.39094	18.50847	8.30154	27.17387	1.35E-09	1.26E-06	1.58E-07	4.17E-13	1.26E-12	9.95E-13	5.07E-16	1.22E-14	6.76E-16	1.34232E-14	1.691E-12	1.2626E-06	1.58E-07	4.26844E-13	2.04885E-15	2.13051E-13	3.41E-16
96	571470.6	4177999	0.55, 41779	0.32222	0.29016	0.268	133.22849	41.8567	195.88733	16.65356	8.00082	24.48592	1.56E-09	1.14E-06	1.42E-07	4.8E-13	1.45E-12	1.15E-12	5.83E-16	1.41E-14	7.78E-16	1.54524E-14	1.946E-12	1.1377E-06	1.42E-07	4.91369E-13	2.35857E-15	2.45258E-13	3.92E-16
97	571510.6	4177999	0.55, 41779	0.33311	0.29527	0.30394	113.25391	33.39085	138.27651	14.15674	7.16119	17.28456	1.77E-09	8.03E-07	1E-07	5.45E-13	1.65E-12	1.3E-12	6.62E-16	1.6E-14	8.82E-16	1.75241E-14	2.207E-12	8.0309E-07	1E-07	5.57247E-13	2.67478E-15	2.7814E-13	4.45E-16
98	571550.6	4177999	0.55, 41779	0.33431	0.29408	0.33024	118.79132	25.19774	142.42424	14.84891	6.75336	17.80303	1.92E-09	8.27E-07	1.03E-07	5.92E-13	1.79E-12	1.41E-12	7.19E-16	1.74E-14	9.58E-16	1.904E-14	2.398E-12	8.2717E-07	1.03E-07	6.05452E-13	2.90617E-15	3.022E-13	4.84E-16
99	571590.6	4177999	0.55, 41779	0.32897	0.28857	0.34209	117.12124	19.87515	150.29933	14.64016	6.7762	18.78742	1.99E-09	8.73E-07	1.09E-07	6.13E-13	1.85E-12	1.46E-12	7.45E-16	1.8E-14	9.93E-16	1.9723E-14	2.484E-12	8.729E-07	1.09E-07	6.27169E-13	3.01041E-15	3.1304E-13	5.01E-16
100	570310.6	4178039	0.55, 41780	0.09395	0.07118	0.09114	60.38117	27.45867	68.75884	7.54765	4.57644	8.59485	5.29E-10	3.99E-07	4.99E-08	1.63E-13	4.93E-13	3.9E-13	1.98E-16	4.79E-15	2.65E-16	5.25454E-15	6.618E-13	3.9936E-07	4.99E-08	1.67089E-13	8.02026E-16	8.33994E-14	1.33E-16
101	570350.6	4178039	0.55, 41780	0.10181	0.07823	0.09867	67.40685	28.30867	69.9761	8.42586	4.71811	8.74701	5.73E-10	4.06E-07	5.08E-08	1.77E-13	5.34E-13	4.22E-13	2.15E-16	5.19E-15	2.86E-16	5.68869E-15	7.164E-13	4.0643E-07	5.08E-08	1.80894E-13	8.68292E-16	9.02901E-14	1.44E-16
102	570390.6	4178039	0.55, 41780	0.11033	0.08626	0.10708	70.86935	29.39362	77.00767	8.85867	4.86131	9.62596	6.22E-10	4.47E-07	5.59E-08	1.92E-13	5.8E-13	4.58E-13	2.33E-16	5.63E-15	3.11E-16	6.17358E-15	7.775E-13	4.4727E-07	5.59E-08	1.96313E-13	9.42303E-16	9.79861E-14	1.57E-16
103	570430.6	4178039	0.55, 41780	0.11935	0.09539	0.11615	72.77771	30.53752	78.92837	9.09721	4.99157	9.86605	6.75E-10	4.58E-07	5.73E-08	2.08E-13	6.29E-13	4.97E-13	2.53E-16	6.11E-15	3.37E-16	6.69652E-15	8.434E-13	4.5843E-07	5.73E-08	2.12942E-13	1.02212E-15	1.06286E-13	1.7E-16
104	570470.6	4178039	0.55, 41780	0.12876	0.10583	0.1256	77.88414	31.78332	83.40463	9.73552	5.12346	10.42558	7.3E-10	4.84E-07	6.06E-08	2.25E-13	6.8E-13	5.37E-13	2.73E-16	6.6E-15	3.65E-16	7.24139E-15	9.12E-13	4.8442E-07	6.06E-08	2.30268E-13	1.10529E-15	1.14934E-13	1.84E-16
105	570510.6	4178039	0.55, 41780	0.13797	0.11733	0.13491	81.61557	33.05226	90.60057	10.20195	5.27698	11.32507	7.84E-10	5.26E-07	6.58E-08	2.42E-13	7.3E-13	5.77E-13	2.94E-16	7.09E-15	3.92E-16	7.77821E-15	9.796E-13	5.2622E-07	6.58E-08	2.47339E-13	1.18723E-15	1.23455E-13	1.98E-16
106	570550.6	4178039	0.55, 41780	0.14677	0.12979	0.14418	83.22783	34.40977	92.92473	10.40348	5.64664	11.61559	8.38E-10	5.4E-07	6.75E-08	2.58E-13	7.8E-13	6.16E-13	3.14E-16	7.58E-15	4.18E-16	8.31273E-15	1.047E-12	5.3971E-07	6.75E-08	2.64336E-13	1.26881E-15	1.31938E-13	2.11E-16
107	570590.6	4178039	0.55, 41780	0.15543	0.14397	0.15331	100.7883	35.81672	104.85134	12.59854	6.05306	13.10642	8.91E-10	6.09E-07	7.61E-08	2.75E-13	8.3E-13	6.55E-13	3.34E-16	8.06E-15	4.45E-16	8.8392E-15	1.113E-12	6.0898E-07	7.61E-08	2.81077E-13	1.34917E-15	1.40295E-13	2.24E-16
108	570630.6	4178039	0.55, 41780	0.16446	0.15887	0.16086	114.63184	37.47906	118.86748	14.32898	6.85921	14.85844	9.34E-10	6.9E-07	8.63E-08	2.88E-13	8.71E-13	6.88E-13	3.5E-16	8.46E-15	4.67E-16	9.27462E-15	1.168E-12	6.9038E-07	8.63E-08	2.94923E-13	1.41563E-15	1.47205E-13	2.36E-16
109	570670.6	4178039	0.55, 41780	0.17604	0.17458	0.16859	120.19022	39.09251	122.97013	15.02378	7.81169	15.37127	9.79E-10	7.14E-07	8.93E-08	3.02E-13	9.12E-13	7.21E-13	3.67E-16	8.86E-15	4.89E-16	9.72042E-15	1.224E-12	7.1421E-07	8.93E-08	3.09099E-13	1.48368E-15	1.54281E-13	2.47E-16
110	570710.6	4178039	0.55, 41780	0.19156	0.191	0.18153	122.05191	40.81454	130.55962	15.86896	8.63568	17.88475	1.05E-09	7.58E-07	1.04E-07	3.25E-13	9.83E-13	7.76E-13	3.95E-16	9.54E-15	5.27E-16	1.04666E-14	1.318E-12	7.5829E-07	1.04E-07	3.32825E-13	1.59756E-15	1.66124E-13	2.66E-16
111	570750.6	4178039	0.55, 41780	0.2105	0.20761	0.19902	132.53323	47.68084	144.79481	16.56665	9.43658	19.64627	1.16E-09	8.41E-07	1.14E-07	3.57E-13	1.08E-12	8.51E-13	4.33E-16	1.05E-14	5.78E-16	1.1475E-14	1.445E-12	8.4097E-07	1.14E-07	3.64891E-13	1.75148E-15	1.82129E-13	2.91E-16
112	570790.6	4178039	0.55, 41780	0.23169	0.22417	0.21523	139.552	52.7884	147.64201	17.444	10.33029	19.40572	1.25E-09	8.58E-07	1.13E-07	3.86E-13	1.16E-12	9.2E-13	4.68E-16	1.13E-14	6.25E-16	1.24096E-14	1.563E-12	8.5752E-07	1.13E-07	3.94611E-13	1.89413E-15	1.96963E-13	3.15E-16
113	570830.6	4178039	0.55, 41780	0.25382	0.24067	0.23208	145.24751	55.81087	161.73262	18.15594	11.28689	20.21658	1.35E-09	9.39E-07	1.17E-07	4.16E-13	1.26E-12	9.92E-13	5.05E-16	1.22E-14	6.74E-16	1.33811E-14	1.685E-12	9.3935E-07	1.17E-07	4.25505E-13	2.04242E-15	2.12383E-13	3.4E-16
114	570870.6	4178039	0.55, 41780	0.27385	0.25672	0.25028	159.27674	59.06353	181.66903	19.90959	12.04587	22.70863	1.45E-09	1.06E-06	1.32E-07	4.49E-13	1.35E-12	1.07E-12	5.45E-16	1.32E-14	7.26E-16	1.44304E-14	1.817E-12	1.0551E-06	1.32E-07	4.58872E-13	2.20259E-15	2.29038E-13	3.66E-16
115	570910.6	4178039	0.55, 41780	0.28498	0.272	0.26185	154.31681	63.03506	190.144	19.2896	11.80173	23.768	1.52E-09	1.1E-06	1.38E-07	4.69E-13	1.42E-12	1.12E-12	5.7E-16	1.38E-14	7.6E-16	1.50976E-14	1.901E-12	1.1044E-06	1.38E-07	4.80086E-13	2.30441E-15	2.39626E-13	3.83E-16
116	570950.6	4178039	0.55, 41780	0.28313	0.28254	0.2606	178.15221	69.82475	214.80591	22.26903	10.41815	26.85074	1.51E-09	1.25E-06	1.56E-07	4.67E-13	1.41E-12	1.11E-12	5.67E-16	1.37E-14	7.56E-16	1.50257E-14	1.892E-12	1.2476E-06	1.56E-07	4.778E-13	2.29344E-15	2.38485E-13	3.82E-16
117	570990.6	4178039	0.55, 41780	0.27042	0.28832	0.24711	188.87787	74.10995	223.28286	29.14051	12.35166	34.29706	1.44E-09	1.3E-06	1.99E-07	4.43E-13	1.34E-12	1.06E-12	5.38E-16	1.3E-14	7.17E-16	1.42481E-14	1.794E-12	1.2968E-06	1.99E-07	4.53076E-13	2.17476E-15	2.26145E-13	3.62E-16
118	571030.6	4178039	0.55, 41780	0.25749	0.29249	0.23391	188.96663	83.29257	277.8919	26.99523	13.88209	39.69884	1.36E-09	1.61E-06	2.31E-07	4.19E-13	1.27E-12	1E-12	5.09E-16	1.23E-14	6.79E-16	1.34873E-14	1.699E-12	1.614E-06	2.31E-07	4.28882E-13	2.05864E-15	2.14069E-13	3.43E-16
119	571070.6	4178039	0.55, 41780	0.25163	0.29646	0.21613	192.59035	92.57991	271.23553	26.01862	14.40126	34.27332	1.26E-09	1.58E-06	1.99E-07	3.87E-13	1.17E-12	9.24E-13	4.7E-16	1.14E-14	6.27E-16	1.24625E-14	1.57E-12	1.5753E-06	1.99E-07	3.96295E-13	1.90221E-15	1.97803E-13	3.16E-16
120	571110.6	4178039	0.55, 41780	0.23996	0.28057	0.20816	179.79911	89.13384	295.00102	29.33997	15.522	36.88643	1.21E-09	1.71E-06	2.14E-07	3.73E-13	1.13E-12	8.9E-13	4.53E-16	1.09E-14	6.04E-16	1.20029E-14	1.512E-12	1.7133E-06	2.14E-07	3.81679E-13	1.83206E-15	1.90508E-13	3.05E-16
121	571150.6	4178039	0.55, 41780	0.25767	0.30302	0.23363	202.30498	100.11261	284.90591	28.90071	16.95197	47.48432	1.36E-09	1.65E-06	2.76E-07	4.19E-13	1.26E-12	9.99E-13	5.09E-16	1.23E-14	6.78E-16	1.34713E-14	1.697E-12	1.6547E-06	2.76E-07	4.28374E-13	2.0562E-15	2.13815E-13	3.42E-16
122	571190.6	4178039	0.55, 41780	0.27122	0.30641	0.22867	194.68377	101.89225	297.80862	27.81197	16.7188	37.22608	1.33E-09	1.73E-06	2.16E-07	4.1E-13	1.24E-12	9.78E-13	4.98E-16	1.2E-14	6.64E-16	1.31855E-14	1.661E-12	1.7297E-06	2.16E-07	4.19285E-13	2.01257E-15	2.09279E-13	3.35E-16
123	571230.6	4178039	0.55, 41780	0.28804	0.31092	0.2326	196.84209	99.06119	294.63263	24.60526	16.26482	42.09038	1.35E-09	1.71E-06	2.44E-07	4.17E-13	1.26E-12	9.95E-13	5.06E-16	1.22E-14	6.75E-16	1.34121E-14	1.689E-12	1.7112E-06	2.44E-07	4.26491E-13	2.04716E-15	2.12875E-13	3.41E-16
124	571270.6	4178039	0.55, 41780	0.31661	0.32283	0.24843	191.8709	85.51951	280.99547	23.98386	14.63938	35.12443	1.44E-09	1.63E-06	2.04E-07	4.45E-13	1.34E-12	1.06E-12	5.41E-16	1.31E-14	7.21E-16	1.43248E-14	1.804E-12	1.632E-06	2.04E-07	4.55513E-13	2.18646E-15	2.27361E-13	3.64E-16
125	571310.6	4178039	0.55, 41780	0.35598	0.34149	0.26147	189.38373	68.10225	290.04443	23.67297	13.72977	36.25555	1.52E-09	1.68E-06	2.11E-07	4.69E-13	1.42E-12	1.12E-12	5.69E-16	1.37E-14	7.59E-16	1.50768E-14	1.899E-12	1.6845E-06	2.11E-07	4.79425E-13	2.30124E-15	2.39296E-13	3.83E-16
126	571350.6	4178039	0.55, 41780	0.39399	0.35989	0.2835	182.95784	62.01914	299.45287	22.86973	11.81322	37.43161	1.65E-09	1.74E-06	2.17E-07	5.08E-13	1.53E-12	1.21E-12	6.17E-16	1.49E-14	8.23E-16	1.63469E-14	2.059E-12	1.7392E-06	2.17E-07	5.19814E-13	2.49511E-15	2.59456E-13	4.15E-16
127	571390.6	4178039	0.55, 41780	0.4222	0.3733	0.32107	164.47464	56.17724	258.72398	20.55933	10.13431	32.3405	1.87E-09	1.5E-06	1.88E-07	5.76E-13	1.74E-12	1.37E-12	6.99E-16	1.69E-14	9.32E-16	1.85127E-14	2.331E-12	1.5026E-06	1.88E-07	5.88684E-13	2.82568E-15	2.93831E-13	4.7E-16
128	571430.6	4178039	0.55, 41780	0.44026	0.38105	0.3744	146.31006	45.8458	221.86738	18.28876	9.60517	27.73342	2.17E-09	1.29E-06	1.61E-07	6.71E-13	2.03E-12	1.6E-12	8.15E-16	1.97E-14	1.09E-15	2.15868E-14	2.719E-12	1.2886E-06	1.61E-07	6.86438E-13	3.2949E-15	3.42623E-13	5.48E-16
129	571470.6	4178039	0.55, 41780	0.44344	0.3799	0.42037	134.05635	35.96521	154.66668	16.75704	8.42199	19.33334	2.44E-09	8.98E-07	1.12E-07	7.54E-13	2.28E-12	1.8E-12	9.15E-16	2.21E-14	1.22E-15	2.42366E-14	3.052E-12	8.9829E-07	1.12E-07	7.70697E-13	3.69934E-15	3.84679E-13	6.15E-16
130	571510.6	4178039	0.55, 41780	0.43369	0.37075	0.44522	135.2804	26.4112	176.84451	16.91005	8.14543	22.10556	2.59E-09	1.03E-06	1.28E-07	7.98E-13	2.41E-12	1.9E-12	9.69E-16	2.34E-14	1.29E-15	2.56688E-14	3.233E-12	1.0271E-06	1.28E-07	8.1624E-13	3.91795E-15	4.07411E-13	6.52E-16
131	571550.6	4178039	0.55, 41780	0.4157	0.35641	0.44493	128.00174	25.24959	172.96462	16.00022	7.84928	21.62058	2.58E-09	1E-06	1.26E-07	7.98E-13	2.41E-12	1.9E-12	9.68E-16	2.34E-14	1.29E-15	2.56518E-14	3.231E-12	1.0045E-06	1.26E-07	8.15701E-13	3.91536E-15	4.07142E-13	6.51E-16
132	571590.6	4178039	0.55, 41780	0.38889	0.33646	0.4222	114.21376	28.264	151.26331	14.27672	7.21894	18.90791	2.45E-09	8.79E-07	1.1E-07	7.57E-13	2.28E-12	1.8E-12	9.19E-16	2.22E-14	1.23E-15	2.43413E-14	3.066E-12	8.7851E-07	1.1E-07	7.74028E-13	3.71534E-15	3.86342E-13	6.18E-16
133	570310.6	4178079	0.55, 41780	0.09792	0.07296	0.09477	71.40728	28.01469	77.09789	8.92591	4.66912	9.63724	5.5E-10	4.48E-07	5.6E-08	1.7E-13	5.13E-13	4.05E-13	2.06E-16	4.98E-15	2.75E-16	5.46381E-15	6.881E-13	4.4779E-07	5.6E-08	1.73743E-13	8.33968E-16	8.67208E-14	1.39E-16
134	570350.6	4178079	0.55, 41780	0.1067	0.08065	0.10312	70.03301	29.10671	80.22931	8.75413	4.85112	10.02866	5.99E-10	4.66E-07	5.83E-08	1.85E-13	5.58E-13	4.41E-13	2.24E-16	5.42E-15	2.99E-16	5.94524E-15	7.487E-13	4.6598E-07	5.83E-08	1.89052E-13	9.0745E-16	9.43619E-14	1.51E-16
135	570390.6	4178079	0.55, 41780	0.11641	0.08948	0.11242	73.93226	30.15719	77.81828	9.24153	5.0262	9.72728	6.53E-10	4.52E-07	5.65E-08	2.02E-13	6.08E-13	4.81E-13	2.45E-16	5.91E-15	3.26E-16	6.48144E-15	8.163E-13	4.5198E-07	5.65E-08	2.06103E-13	9.89293E-16	1.02872E-13	1.65E-16
136	570430.6	4178079	0.55, 41780	0.12715	0.09969	0.12302	79.99098	31.34254	86.52141	9.99887	5.20891	10.81518	7.15E-10	5.03E-07	6.28E-08	2.21E-13	6.66E-13	5.26E-13	2.68E-16	6.47E-15	3.57E-16	7.09259E-15	8.932E-13	5.0252E-07	6.28E-08	2.25537E-13	1.08258E-15	1.12573E-13	1.8E-16
137	570470.6	4178079	0.55, 41780	0.13857	0.11144	0.13449	81.53824	32.65768	88.86509	10.19228	5.39019	11.10814	7.81E-10	5.16E-07	6.45E-08	2.41E-13	7.28E-13	5.75E-13	2.93E-16	7.07E-15	3.9E-16	7.75392E-15	9.765E-13	5.1614E-07	6.45E-08	2.46566E-13	1.18352E-15	1.23069E-13	1.97E-16
138	570510.6	4178079	0.55, 41780	0.15049	0.12507	0.14657	87.75299	34.11951	95.20757	10.96912	5.60116	11.90095	8.51E-10	5.53E-07	6.91E-08	2.63E-13	7.93E-13	6.27E-13	3.19E-16	7.71E-15	4.25E-16	8.45043E-15	1.064E-12	5.5297E-07	6.91E-08	2.68715E-13	1.28983E-15	1.34124E-13	2.15E-16
139	570550.6	4178079	0.55, 41780	0.16198	0.14034	0.1583	91.64015	35.64897	104.22382	11.45502	5.99366	13.02798	9.2E-10	6.05E-07	7.57E-08	2.84E-13	8.57E-13	6.77E-13	3.45E-16	8.32E-15	4.59E-16	9.12679E-15	1.149E-12	6.0534E-07	7.57E-08	2.90222E-13	1.39307E-15	1.44859E-13	2.32E-16
140	570590.6	4178079	0.55, 41780	0.17272	0.15744	0.16968	88.35639	37.38874	105.88084	11.57204	6.46071	13.23511	9.86E-10	6.15E-07	7.69E-08	3.04E-13	9.18E-13	7.25E-13	3.69E-16	8.92E-15	4.92E-16	9.783E-15	1.232E-12	6.1496E-07	7.69E-08	3.11089E-13	1.49323E-15	1.55274E-13	2.48E-16
141	570630.6	4178079	0.55, 41780	0.1831	0.1763	0.17984	101.08083	39.23196	114.54818	12.6351	7.02353	14.31852	1.04E-09	6.65E-07	8.32E-08	3.22E-13	9.73E-13	7.69E-13	3.91E-16	9.46E-15	5.22E-16	1.03689E-14	1.306E-12	6.653E-07	8.32E-08	3.2972E-13	1.58266E-15	1.64574E-13	2.63E-16
142	570670.6	4178079	0.55, 41780	0.19537	0.19687	0.18849	125.63761	41.20021	131.91916	15.7047	8.22231	16.4899	1.09E-09	7.66E-07	9.58E-08	3.38E-13	1.02E-12	8.06E-13	4.1E-16	9.91E-15	5.47E-16	1.08678E-14	1.369E-12	7.6619E-07	9.58E-08	3.45585E-13	1.65881E-15	1.72493E-13	2.76E-16
143	570710.6	4178079	0.55, 41780	0.21241	0.21933	0.20096	144.38379	43.29239	151.59141	18.04797	9.29195	18.94893	1.17E-09	8.8E-07	1.1E-07	3.6E-13	1.09E-12	8.59E-13	4.37E-16	1.06E-14	5.83E-16	1.1587E-14	1.459E-12	8.8044E-07	1.1E-07	3.68453E-13	1.76857E-15	1.83906E-13	2.94E-16
144	570750.6	4178079	0.55, 41780	0.23537	0.24332	0.2221	149.96792	48.92505	154.1756	18.74599	10.23	23.04389	1.29E-09	8.95E-07	1.34E-07	3.98E-13	1.2E-12	9.5E-13	4.83E-16	1.17E-14	6.45E-16	1.28059E-14	1.613E-12	8.9546E-07	1.34E-07	4.07212E-13	1.95462E-15	2.03253E-13	3.25E-16
145	570790.6	4178079	0.55, 41780	0.26445	0.26867	0.24585	159.48841	56.15329	178.05216	19.93605	11.24377	22.79466	1.43E-09	1.03E-06	1.32E-07	4.41E-13	1.33E-12	1.05E-12	5.35E-16	1.29E-14	7.14E-16	1.41752E-14	1.785E-12	1.0341E-06	1.32E-07	4.50757E-13	2.16363E-15	2.24987E-13	3.6E-16
146	570830.6	4178079	0.55, 41780	0.30001	0.29551	0.27029	164.85959	59.75168	177.78875	20.60745	12.43332	22.22359	1.57E-09	1.03E-06	1.29E-07	4.85E-13	1.46E-12	1.16E-12	5.88E-16	1.42E-14	7.84E-16	1.55844E-14	1.963E-12	1.0326E-06	1.29E-07	4.95567E-13	2.37872E-15	2.47354E-13	3.96E-16
147	570870.6	4178079	0.55, 41780	0.34051	0.32416	0.30185	178.96906	63.85658	203.22306	22.37113	13.91568	25.40288	1.75E-09	1.18E-06	1.48E-07	5.41E-13	1.63E-12	1.29E-12	6.57E-16	1.59E-14	8.76E-16	1.7404E-14	2.192E-12	1.1803E-06	1.48E-07	5.53429E-13	2.65646E-15	2.76234E-13	4.42E-16
148	570910.6	4178079	0.55, 41780	0.37529	0.35313	0.33459	192.82824	68.49057	229.7632	24.10353	15.26079	28.7204	1.94E-09	1.33E-06	1.67E-07	6E-13	1.81E-12	1.43E-12	7.28E-16	1.76E-14	9.71E-16	1.92917E-14	2.43E-12	1.3345E-06	1.67E-07	6.13454E-13	2.94458E-15	3.06194E-13	4.9E-16
149	570950.6	4178079	0.55, 41780	0.39192	0.37725	0.35493	199.56835	75.56845	241.42387	26.9715	14.65967	30.17798	2.06E-09	1.4E-06	1.75E-07	6.36E-13	1.92E-12	1.52E-12	7.73E-16	1.87E-14	1.03E-15	2.04644E-14	2.577E-12	1.4022E-06	1.75E-07	6.50747E-13	3.12359E-15	3.24809E-13	5.2E-16
150	570990.6	4178079	0.55, 41780	0.38624	0.39167	0.34038	209.52387	83.72546	270.89556	31.32288	13.79848	33.86195	1.98E-09	1.57E-06	1.97E-07	6.1E-13	1.84E-12	1.46E-12	7.41E-16	1.79E-14	9.88E-16	1.9626E-14	2.472E-12	1.5734E-06	1.97E-07	6.24084E-13	2.9956E-15	3.115E-13	4.98E-16
151	571030.6	4178079	0.55, 41780	0.36706	0.40059	0.31708	238.62537	94.19927	346.28961	34.73297	15.69988	52.33117	1.84E-09	2.01E-06	3.04E-07	5.68E-13	1.72E-12	1.36E-12	6.9E-16	1.67E-14	9.2E-16	1.8283E-14	2.303E-12	2.0112E-06	3.04E-07	5.8138E-13	2.79063E-15	2.90186E-13	4.64E-16
152	571070.6	4178079	0.55, 41780	0.35702	0.41066	0.29659	228.92087	105.90077	368.47625	31.45005	16.61116	46.05953	1.72E-09	2.14E-06	2.68E-07	5.32E-13	1.61E-12	1.27E-12	6.46E-16	1.56E-14	8.61E-16	1.71021E-14	2.154E-12	2.1401E-06	2.68E-07	5.43828E-13	2.61037E-15	2.71442E-13	4.34E-16
153	571110.6	4178079	0.55, 41780	0.35812	0.41418	0.29542	212.64364	104.08221	374.64105	34.6648	20.98986	46.90606	1.72E-09	2.18E-06	2.72E-07	5.3E-13	1.6E-12	1.26E-12	6.43E-16	1.55E-14	8.57E-16	1.70347E-14	2.145E-12	2.1759E-06	2.72E-07	5.41685E-13	2.60009E-15	2.70372E-13	4.33E-16
154	571150.6	4178079	0.55, 41780	0.37758	0.42317	0.31748	239.48451	117.47672	371.65504	34.21207	20.38272	60.67868	1.84E-09	2.16E-06	3.52E-07	5.69E-13	1.72E-12	1.36E-12	6.91E-16	1.67E-14	9.22E-16	1.83064E-14	2.306E-12	2.1586E-06	3.52E-07	5.82124E-13	2.7942E-15	2.90557E-13	4.65E-16
155	571190.6	4178079	0.55, 41780	0.41277	0.43447	0.31013	228.77572	115.09155	359.73847	28.66724	20.67403	44.96731	1.8E-09	2.09E-06	2.61E-07	5.56E-13	1.68E-12	1.33E-12	6.75E-16	1.63E-14	9E-16	1.7883E-14	2.252E-12	2.0894E-06	2.61E-07	5.68659E-13	2.72956E-15	2.83836E-13	4.54E-16
156	571230.6	4178079	0.55, 41780	0.46673	0.45732	0.33128	219.54291	100.98995	305.404	27.44286	18.56894	43.62914	1.92E-09	1.77E-06	2.53E-07	5.94E-13	1.79E-12	1.42E-12	7.21E-16	1.74E-14	9.62E-16	1.91025E-14	2.406E-12	1.7738E-06	2.53E-07	6.07439E-13	2.9157E-15	3.03192E-13	4.85E-16
157	571270.6	4178079	0.55, 41780	0.53318	0.48578	0.3586	215.1929	81.06645	332.5769	26.89911	17.27973	41.57211	2.08E-09	1.93E-06	2.41E-07	6.43E-13	1.94E-12	1.53E-12	7.81E-16	1.89E-14	1.04E-15	2.06777E-14	2.604E-12	1.9316E-06	2.41E-07	6.5753E-13	3.15614E-15	3.28194E-13	5.25E-16
158	571310.6	4178079	0.55, 41780	0.58671	0.50689	0.39805	205.97464	69.75551	363.05687	25.74683	14.70822	45.38211	2.31E-09	2.11E-06	2.64E-07	7.14E-13	2.15E-12	1.7E-12	8.66E-16	2.09E-14	1.16E-15	2.29521E-14	2.891E-12	2.1086E-06	2.64E-07	7.29851E-13	3.50328E-15	3.64292E-13	5.83E-16
159	571350.6	4178079	0.55, 41780	0.61439	0.51569	0.46686	184.46358	62.8789	316.33591	23.05795	12.5762	39.54199	2.71E-09	1.84E-06	2.3E-07	8.37E-13	2.53E-12	2E-12	1.02E-15	2.45E-14	1.36E-15	2.69185E-14	3.39E-12	1.8372E-06	2.3E-07	8.55979E-13	4.1087E-15	4.27246E-13	6.84E-16
160	571390.6	4178079	0.55, 41780	0.61879	0.51229	0.54521	162.6235	50.78632	251.98298	20.32794	11.67282	31.49787	3.17E-09	1.46E-06	1.83E-07	9.77E-13	2.95E-12	2.33E-12	1.19E-15	2.87E-14	1.58E-15	3.14346E-14	3.959E-12	1.4635E-06	1.83E-07	9.99587E-13	4.79802E-15	4.98926E-13	7.98E-16
161	571430.6	4178079	0.55, 41780	0.60477	0.49855	0.60294	157.24404	39.05995	207.2573	19.65551	9.99401	25.90716	3.5E-09	1.2E-06	1.5E-07	1.08E-12	3.26E-12	2.58E-12	1.31E-15	3.17E-14	1.75E-15	3.4762E-14	4.378E-12	1.2037E-06	1.5E-07	1.10539E-12	5.30589E-15	5.51737E-13	8.83E-16
162	571470.6	4178079	0.55, 41780	0.57311	0.47467	0.61341	152.07991	30.59352	215.52596	19.00999	9.68796	26.94074	3.56E-09	1.25E-06	1.56E-07	1.1E-12	3.32E-12	2.62E-12	1.34E-15	3.22E-14	1.78E-15	3.53651E-14	4.454E-12	1.2517E-06	1.56E-07	1.12457E-12	5.39795E-15	5.6131E-13	8.98E-16
163	571510.6	4178079	0.55, 41780	0.53465	0.44658	0.58613	137.55383	33.88214	191.36045	17.19423	8.95455	23.92006	3.4E-09	1.11E-06	1.39E-07	1.05E-12	3.17E-12	2.51E-12	1.28E-15	3.08E-14	1.7E-15	3.37922E-14	4.256E-12	1.1114E-06	1.39E-07	1.07456E-12	5.15787E-15	5.36345E-13	8.58E-16
164	571550.6	4178079	0.55, 41780	0.48548	0.41212	0.53241	120.13532	36.07438	157.49519	15.01691	7.90342	19.6869	3.09E-09	9.15E-07	1.14E-07	9.54E-13	2.88E-12	2.28E-12	1.16E-15	2.8E-14	1.55E-15	3.06952E-14	3.866E-12	9.1471E-07	1.14E-07	9.76073E-13	4.68515E-15	4.87189E-13	7.8E-16
165	571590.6	4178079	0.55, 41780	0.43445	0.37558	0.47142	108.95419	37.19094	141.55637	13.61927	6.74143	17.69455	2.74E-09	8.22E-07	1.03E-07	8.45E-13	2.55E-12	2.02E-12	1.03E-15	2.48E-14	1.37E-15	2.71791E-14	3.423E-12	8.2215E-07	1.03E-07	8.64265E-13	4.14847E-15	4.31382E-13	6.9E-16
166	570310.6	4178119	0.55, 41781	0.10149	0.07442	0.09774	69.0748	28.05035	78.28908	8.63435	4.67506	9.78613	5.68E-10	4.55E-07	5.68E-08	1.75E-13	5.29E-13	4.18E-13	2.13E-16	5.14E-15	2.84E-16	5.63503E-15	7.097E-13	4.5471E-07	5.68E-08	1.79188E-13	8.60102E-16	8.94384E-14	1.43E-16
167	570350.6	4178119	0.55, 41781	0.11138	0.08273	0.10725	79.07973	29.62524	82.98136	9.88497	4.93754	10.37267	6.23E-10	4.82E-07	6.03E-08	1.92E-13	5.8E-13	4.59E-13	2.33E-16	5.64E-15	3.11E-16	6.18333E-15	7.787E-13	4.8196E-07	6.03E-08	1.96623E-13	9.43791E-16	9.81409E-14	1.57E-16
168	570390.6	4178119	0.55, 41781	0.12249	0.09237	0.11775	81.81771	30.97041	92.38822	10.22721	5.16174	11.54853	6.84E-10	5.37E-07	6.71E-08	2.11E-13	6.37E-13	5.03E-13	2.56E-16	6.19E-15	3.42E-16	6.78871E-15	8.55E-13	5.3659E-07	6.71E-08	2.15874E-13	1.03619E-15	1.07749E-13	1.72E-16
169	570430.6	4178119	0.55, 41781	0.13492	0.10362	0.12964	81.48606	32.23138	89.13007	10.18576	5.3719	11.14126	7.53E-10	5.18E-07	6.47E-08	2.32E-13	7.02E-13	5.54E-13	2.82E-16	6.82E-15	3.76E-16	7.47424E-15	9.413E-13	5.1767E-07	6.47E-08	2.37673E-13	1.14083E-15	1.1863E-13	1.9E-16
170	570470.6	4178119	0.55, 41781	0.14882	0.11683	0.14311	90.82614	33.6686	97.62505	11.35327	5.5932	12.20313	8.31E-10	5.67E-07	7.09E-08	2.57E-13	7.75E-13	6.12E-13	3.11E-16	7.52E-15	4.15E-16	8.25087E-15	1.039E-12	5.6701E-07	7.09E-08	2.62369E-13	1.25937E-15	1.30957E-13	2.1E-16
171	570510.6	4178119	0.55, 41781	0.16361	0.13228	0.15796	92.34034	35.20886	102.68913	11.54254	5.82093	12.83614	9.18E-10	5.96E-07	7.46E-08	2.83E-13	8.55E-13	6.75E-13	3.44E-16	8.3E-15	4.58E-16	9.10708E-15	1.147E-12	5.9642E-07	7.46E-08	2.89595E-13	1.39006E-15	1.44546E-13	2.31E-16
172	570550.6	4178119	0.55, 41781	0.17911	0.1505	0.17388	100.11195	36.92243	110.21215	12.51399	6.33987	13.77652	1.01E-09	6.4E-07	8E-08	3.12E-13	9.41E-13	7.43E-13	3.78E-16	9.14E-15	5.05E-16	1.0025E-14	1.263E-12	6.4012E-07	8E-08	3.18784E-13	1.53016E-15	1.59115E-13	2.55E-16
173	570590.6	4178119	0.55, 41781	0.19374	0.17125	0.18923	103.74737	38.76233	121.67682	12.96842	6.89651	15.2096	1.1E-09	7.07E-07	8.83E-08	3.39E-13	1.02E-12	8.09E-13	4.12E-16	9.95E-15	5.49E-16	1.09101E-14	1.374E-12	7.067E-07	8.83E-08	3.4693E-13	1.66526E-15	1.73164E-13	2.77E-16
174	570630.6	4178119	0.55, 41781	0.2069	0.19483	0.20326	104.63966	41.01094	121.05227	13.84797	7.49161	15.13153	1.18E-09	7.03E-07	8.79E-08	3.64E-13	1.1E-12	8.69E-13	4.42E-16	1.07E-14	5.9E-16	1.17192E-14	1.476E-12	7.0308E-07	8.79E-08	3.72657E-13	1.78875E-15	1.86005E-13	2.98E-16
175	570670.6	4178119	0.55, 41781	0.21998	0.22122	0.21442	115.58367	43.51142	138.36153	15.0671	8.60459	17.29519	1.25E-09	8.04E-07	1E-07	3.84E-13	1.16E-12	9.17E-13	4.67E-16	1.13E-14	6.22E-16	1.23628E-14	1.557E-12	8.036E-07	1E-07	3.93125E-13	1.887E-15	1.96221E-13	3.14E-16
176	570710.6	4178119	0.55, 41781	0.23703	0.25104	0.22497	127.12041	45.98226	134.54184	16.41254	9.96819	16.81773	1.31E-09	7.81E-07	9.77E-08	4.03E-13	1.22E-12	9.62E-13	4.9E-16	1.18E-14	6.53E-16	1.29714E-14	1.634E-12	7.8143E-07	9.77E-08	4.12476E-13	1.97989E-15	2.0588E-13	3.29E-16
177	570750.6	4178119	0.55, 41781	0.26187	0.28441	0.24496	163.49419	49.64069	173.69321	20.42712	11.18287	24.67477	1.42E-09	1.01E-06	1.43E-07	4.39E-13	1.33E-12	1.05E-12	5.33E-16	1.29E-14	7.11E-16	1.41241E-14	1.779E-12	1.0088E-06	1.43E-07	4.49133E-13	2.15584E-15	2.24176E-13	3.59E-16
178	570790.6	4178119	0.55, 41781	0.29707	0.32177	0.27572	189.30326	59.79186	203.13563	23.66291	12.3939	25.39195	1.6E-09	1.18E-06	1.47E-07	4.94E-13	1.49E-12	1.18E-12	6E-16	1.45E-14	8E-16	1.58978E-14	2.002E-12	1.1798E-06	1.47E-07	5.05532E-13	2.42655E-15	2.52327E-13	4.04E-16
179	570830.6	4178119	0.55, 41781	0.34574	0.3643	0.31009	193.11502	64.55328	210.79637	24.13938	13.76558	26.34955	1.8E-09	1.22E-06	1.53E-07	5.56E-13	1.68E-12	1.33E-12	6.75E-16	1.63E-14	9E-16	1.78796E-14	2.252E-12	1.2243E-06	1.53E-07	5.68551E-13	2.72904E-15	2.83782E-13	4.54E-16
180	570870.6	4178119	0.55, 41781	0.41228	0.41342	0.35667	202.8381	69.60981	241.64288	25.35476	15.49628	31.6123	2.07E-09	1.4E-06	1.84E-07	6.39E-13	1.93E-12	1.52E-12	7.76E-16	1.88E-14	1.04E-15	2.05653E-14	2.59E-12	1.4035E-06	1.84E-07	6.53954E-13	3.13898E-15	3.26409E-13	5.22E-16
181	570910.6	4178119	0.55, 41781	0.49003	0.46844	0.41739	224.50761	75.3478	268.49725	28.06345	17.99511	33.56216	2.42E-09	1.56E-06	1.95E-07	7.48E-13	2.26E-12	1.78E-12	9.09E-16	2.19E-14	1.21E-15	2.40661E-14	3.031E-12	1.5594E-06	1.95E-07	7.65277E-13	3.67333E-15	3.81974E-13	6.11E-16
182	570950.6	4178119	0.55, 41781	0.55455	0.52056	0.48015	237.44511	82.6149	307.44591	31.19836	20.61697	38.43074	2.79E-09	1.79E-06	2.23E-07	8.61E-13	2.6E-12	2.05E-12	1.05E-15	2.52E-14	1.39E-15	2.76845E-14	3.487E-12	1.7856E-06	2.23E-07	8.80338E-13	4.22562E-15	4.39405E-13	7.03E-16
183	570990.6	4178119	0.55, 41781	0.59019	0.56679	0.49805	260.70129	98.30209	347.94815	39.14578	18.7176	43.49352	2.89E-09	2.02E-06	2.53E-07	8.93E-13	2.7E-12	2.13E-12	1.08E-15	2.62E-14	1.45E-15	2.8717E-14	3.617E-12	2.0209E-06	2.53E-07	9.13169E-13	4.38321E-15	4.55792E-13	7.29E-16
184	571030.6	4178119	0.55, 41781	0.58003	0.59593	0.46436	288.08817	110.38847	394.82286	43.41155	19.84321	60.28631	2.7E-09	2.29E-06	3.5E-07	8.32E-13	2.51E-12	1.99E-12	1.01E-15	2.44E-14	1.35E-15	2.67755E-14	3.372E-12	2.2931E-06	3.5E-07	8.51431E-13	4.08687E-15	4.24977E-13	6.8E-16
185	571070.6	4178119	0.55, 41781	0.56003	0.61401	0.43624	281.59163	124.26135	479.69295	39.26934	23.95732	65.06151	2.53E-09	2.79E-06	3.78E-07	7.82E-13	2.36E-12	1.87E-12	9.5E-16	2.29E-14	1.27E-15	2.51548E-14	3.168E-12	2.786E-06	3.78E-07	7.99897E-13	3.8395E-15	3.99254E-13	6.39E-16
186	571110.6	4178119	0.55, 41781	0.57497	0.62965	0.42923	279.23237	138.16088	507.21032	41.39356	27.39628	63.69191	2.49E-09	2.95E-06	3.7E-07	7.7E-13	2.32E-12	1.84E-12	9.34E-16	2.26E-14	1.25E-15	2.4751E-14	3.117E-12	2.9458E-06	3.7E-07	7.87056E-13	3.77787E-15	3.92845E-13	6.29E-16
187	571150.6	4178119	0.55, 41781	0.64473	0.65929	0.45591	273.06399	137.55558	506.75735	37.77228	27.34359	77.75635	2.65E-09	2.94E-06	4.52E-07	8.17E-13	2.47E-12	1.95E-12	9.92E-16	2.4E-14	1.32E-15	2.62894E-14	3.311E-12	2.9432E-06	4.52E-07	8.35975E-13	4.01268E-15	4.17262E-13	6.68E-16
188	571190.6	4178119	0.55, 41781	0.76806	0.70549	0.46182	260.36357	120.74038	479.78233	32.90288	24.49294	68.54033	2.68E-09	2.79E-06	3.98E-07	8.28E-13	2.5E-12	1.97E-12	1.01E-15	2.43E-14	1.34E-15	2.66309E-14	3.354E-12	2.7865E-06	3.98E-07	8.46835E-13	4.06481E-15	4.22682E-13	6.76E-16
189	571230.6	4178119	0.55, 41781	0.88147	0.74364	0.51839	250.38438	100.21062	435.42985	31.29805	22.32262	54.42873	3.01E-09	2.53E-06	3.16E-07	9.29E-13	2.81E-12	2.22E-12	1.13E-15	2.73E-14	1.5E-15	2.98924E-14	3.765E-12	2.5289E-06	3.16E-07	9.50546E-13	4.56262E-15	4.74448E-13	7.59E-16
190	571270.6	4178119	0.55, 41781	0.94057	0.75526	0.59724	235.31349	80.57107	462.41399	29.41419	18.81416	57.80175	3.47E-09	2.69E-06	3.36E-07	1.07E-12	3.23E-12	2.55E-12	1.3E-15	3.14E-14	1.73E-15	3.44376E-14	4.337E-12	2.6856E-06	3.36E-07	1.09508E-12	5.25638E-15	5.46589E-13	8.75E-16
191	571310.6	4178119	0.55, 41781	0.94266	0.74202	0.72716	211.76846	71.48368	401.12341	26.47106	15.9259	50.14043	4.22E-09	2.33E-06	2.91E-07	1.3E-12	3.94E-12	3.11E-12	1.58E-15	3.82E-14	2.11E-15	4.19261E-14	5.28E-12	2.3296E-06	2.91E-07	1.33321E-12	6.39939E-15	6.65446E-13	1.06E-15
192	571350.6	4178119	0.55, 41781	0.90909	0.71255	0.85266	184.59351	57.17412	286.57244	23.07419	14.42847	35.82155	4.95E-09	1.66E-06	2.08E-07	1.53E-12	4.61E-12	3.65E-12	1.86E-15	4.48E-14	2.47E-15	4.91596E-14	6.191E-12	1.6644E-06	2.08E-07	1.56322E-12	7.50346E-15	7.80254E-13	1.25E-15
193	571390.6	4178119	0.55, 41781	0.85308	0.67145	0.90336	182.88204	42.90716	275.98695	22.86025	12.27464	34.49837	5.25E-09	1.6E-06	2E-07	1.62E-12	4.89E-12	3.86E-12	1.97E-15	4.75E-14	2.62E-15	5.20813E-14	6.559E-12	1.6029E-06	2E-07	1.65613E-12	7.94942E-15	8.26627E-13	1.32E-15
194	571430.6	4178119	0.55, 41781	0.78	0.62166	0.86624	169.0522	41.64549	252.50347	21.13153	11.39175	31.56293	5.03E-09	1.47E-06	1.83E-07	1.55E-12	4.69E-12	3.7E-12	1.89E-15	4.55E-14	2.51E-15	4.99408E-14	6.29E-12	1.4665E-06	1.83E-07	1.58806E-12	7.62271E-15	7.92654E-13	1.27E-15
195	571470.6	4178119	0.55, 41781	0.69763	0.567	0.77646	144.82238	43.55007	199.26025	18.1028	10.0864	24.90753	4.51E-09	1.16E-06	1.45E-07	1.39E-12	4.2E-12	3.32E-12	1.69E-15	4.08E-14	2.25E-15	4.47649E-14	5.638E-12	1.1573E-06	1.45E-07	1.42348E-12	6.83269E-15	7.10503E-13	1.14E-15
196	571510.6	4178119	0.55, 41781	0.61632	0.51188	0.67545	129.07456	44.20691	173.84445	16.93315	8.5721	21.73056	3.92E-09	1.01E-06	1.26E-07	1.21E-12	3.66E-12	2.89E-12	1.47E-15	3.55E-14	1.96E-15	3.89417E-14	4.904E-12	1.0097E-06	1.26E-07	1.23831E-12	5.94386E-15	6.18078E-13	9.89E-16
197	571550.6	4178119	0.55, 41781	0.53701	0.45659	0.57828	116.13448	43.6354	149.52645	16.99831	7.6971	20.20244	3.36E-09	8.68E-07	1.17E-07	1.04E-12	3.13E-12	2.47E-12	1.26E-15	3.04E-14	1.68E-15	3.33399E-14	4.199E-12	8.6844E-07	1.17E-07	1.06017E-12	5.08882E-15	5.29166E-13	8.47E-16
198	571590.6	4178119	0.55, 41781	0.46599	0.40463	0.49394	103.06511	42.01095	133.93422	16.60125	6.75955	20.50745	2.87E-09	7.78E-07	1.19E-07	8.85E-13	2.67E-12	2.11E-12	1.08E-15	2.6E-14	1.43E-15	2.84776E-14	3.586E-12	7.7789E-07	1.19E-07	9.05557E-13	4.34667E-15	4.51992E-13	7.23E-16
199	570310.6	4178159	0.55, 41781	0.10452	0.07557	0.10002	83.14681	27.07322	89.45551	10.39335	4.47805	11.18194	5.81E-10	5.2E-07	6.5E-08	1.79E-13	5.41E-13	4.28E-13	2.18E-16	5.26E-15	2.9E-16	5.76647E-15	7.262E-13	5.1956E-07	6.5E-08	1.83368E-13	8.80165E-16	9.15246E-14	1.46E-16
200	570350.6	4178159	0.55, 41781	0.1156	0.08446	0.11071	83.51332	29.37807	93.62995	10.43917	4.89635	11.70374	6.43E-10	5.44E-07	6.8E-08	1.98E-13	5.99E-13	4.73E-13	2.41E-16	5.82E-15	3.21E-16	6.3828E-15	8.038E-13	5.438E-07	6.8E-08	2.02966E-13	9.74237E-16	1.01307E-13	1.62E-16
201	570390.6	4178159	0.55, 41781	0.12828	0.09489	0.12282	85.72091	31.44775	90.10823	10.71511	5.24129	11.26353	7.13E-10	5.23E-07	6.54E-08	2.2E-13	6.65E-13	5.25E-13	2.67E-16	6.46E-15	3.56E-16	7.081E-15	8.918E-13	5.2335E-07	6.54E-08	2.25168E-13	1.08081E-15	1.12389E-13	1.8E-16
202	570430.6	4178159	0.55, 41781	0.14269	0.1072	0.13639	94.53138	33.5	104.73347	11.81642	5.5265	13.09168	7.92E-10	6.08E-07	7.6E-08	2.44E-13	7.38E-13	5.83E-13	2.97E-16	7.17E-15	3.96E-16	7.86338E-15	9.903E-13	6.0829E-07	7.6E-08	2.50047E-13	1.20023E-15	1.24806E-13	2E-16
203	570470.6	4178159	0.55, 41781	0.15906	0.12183	0.15182	91.68652	34.69147	109.10852	11.46082	5.78191	13.63857	8.82E-10	6.34E-07	7.92E-08	2.72E-13	8.22E-13	6.49E-13	3.3E-16	7.98E-15	4.41E-16	8.75301E-15	1.102E-12	6.337E-07	7.92E-08	2.78336E-13	1.33601E-15	1.38927E-13	2.22E-16
204	570510.6	4178159	0.55, 41781	0.17738	0.13933	0.16931	103.8828	36.49731	110.76271	12.98535	6.04456	13.84534	9.83E-10	6.43E-07	8.04E-08	3.03E-13	9.16E-13	7.24E-13	3.69E-16	8.9E-15	4.91E-16	9.76143E-15	1.229E-12	6.4331E-07	8.04E-08	3.10403E-13	1.48993E-15	1.54932E-13	2.48E-16
205	570550.6	4178159	0.55, 41781	0.19733	0.16029	0.18927	106.21161	38.46337	121.82569	13.27645	6.62676	15.22821	1.1E-09	7.08E-07	8.85E-08	3.39E-13	1.02E-12	8.09E-13	4.12E-16	9.95E-15	5.49E-16	1.09123E-14	1.374E-12	7.0756E-07	8.85E-08	3.46998E-13	1.66559E-15	1.73198E-13	2.77E-16
206	570590.6	4178159	0.55, 41781	0.21794	0.18524	0.21062	115.65264	40.48441	129.80552	14.45658	7.37316	16.22569	1.22E-09	7.54E-07	9.43E-08	3.78E-13	1.14E-12	9E-13	4.58E-16	1.11E-14	6.11E-16	1.21433E-14	1.529E-12	7.5391E-07	9.43E-08	3.86143E-13	1.85349E-15	1.92736E-13	3.08E-16
207	570630.6	4178159	0.55, 41781	0.23707	0.21436	0.23118	118.44365	42.79741	144.28442	14.80546	8.08317	18.03555	1.34E-09	8.38E-07	1.05E-07	4.14E-13	1.25E-12	9.88E-13	5.03E-16	1.22E-14	6.71E-16	1.33288E-14	1.679E-12	8.38E-07	1.05E-07	4.23842E-13	2.03444E-15	2.11553E-13	3.38E-16
208	570670.6	4178159	0.55, 41781	0.25383	0.24795	0.24882	124.95922	45.84094	144.90734	15.6199	8.90031	18.11342	1.45E-09	8.42E-07	1.05E-07	4.46E-13	1.35E-12	1.06E-12	5.42E-16	1.31E-14	7.22E-16	1.43461E-14	1.807E-12	8.4162E-07	1.05E-07	4.56191E-13	2.18972E-15	2.27699E-13	3.64E-16
209	570710.6	4178159	0.55, 41781	0.27135	0.28697	0.26135	131.25248	49.29697	162.49426	17.47805	10.6966	20.31178	1.52E-09	9.44E-07	1.18E-07	4.68E-13	1.41E-12	1.12E-12	5.69E-16	1.37E-14	7.59E-16	1.50689E-14	1.898E-12	9.4376E-07	1.18E-07	4.79176E-13	2.30004E-15	2.39172E-13	3.83E-16
210	570750.6	4178159	0.55, 41781	0.29528	0.33222	0.27619	146.48828	52.90094	155.94977	21.86848	12.23914	22.93785	1.6E-09	9.06E-07	1.33E-07	4.95E-13	1.49E-12	1.18E-12	6.01E-16	1.45E-14	8.02E-16	1.5925E-14	2.006E-12	9.0576E-07	1.33E-07	5.06398E-13	2.43071E-15	2.52759E-13	4.04E-16
211	570790.6	4178159	0.55, 41781	0.33253	0.38536	0.30655	168.4296	63.37031	207.44804	22.18934	13.75991	31.3643	1.78E-09	1.2E-06	1.82E-07	5.5E-13	1.66E-12	1.31E-12	6.67E-16	1.61E-14	8.9E-16	1.76758E-14	2.226E-12	1.2049E-06	1.82E-07	5.62071E-13	2.69794E-15	2.80548E-13	4.49E-16
212	570830.6	4178159	0.55, 41781	0.39122	0.44987	0.34708	226.40986	70.88867	244.94075	28.30123	15.58224	30.61759	2.02E-09	1.42E-06	1.78E-07	6.22E-13	1.88E-12	1.48E-12	7.56E-16	1.83E-14	1.01E-15	2.0013E-14	2.52E-12	1.4226E-06	1.78E-07	6.36391E-13	3.05468E-15	3.17643E-13	5.08E-16
213	570870.6	4178159	0.55, 41781	0.48272	0.53035	0.408	262.06298	76.1106	293.39264	32.75787	17.58972	36.67408	2.37E-09	1.7E-06	2.13E-07	7.31E-13	2.21E-12	1.74E-12	8.88E-16	2.15E-14	1.18E-15	2.35258E-14	2.963E-12	1.704E-06	2.13E-07	7.48094E-13	3.59085E-15	3.73397E-13	5.97E-16
214	570910.6	4178159	0.55, 41781	0.61652	0.63133	0.50366	261.24493	84.17228	335.42472	32.65562	20.33398	41.92809	2.93E-09	1.95E-06	2.44E-07	9.03E-13	2.73E-12	2.15E-12	1.1E-15	2.65E-14	1.46E-15	2.90413E-14	3.657E-12	1.9481E-06	2.44E-07	9.23483E-13	4.43272E-15	4.6094E-13	7.38E-16
215	570950.6	4178159	0.55, 41781	0.78722	0.75662	0.63069	286.12528	93.97029	373.71712	38.09436	25.30252	46.71464	3.66E-09	2.17E-06	2.71E-07	1.13E-12	3.41E-12	2.7E-12	1.37E-15	3.32E-14	1.83E-15	3.63655E-14	4.58E-12	2.1705E-06	2.71E-07	1.15638E-12	5.55064E-15	5.77188E-13	9.24E-16
216	570990.6	4178159	0.55, 41781	0.95557	0.89576	0.74297	303.7283	113.02353	445.40224	49.39935	30.83627	55.67528	4.32E-09	2.59E-06	3.23E-07	1.33E-12	4.02E-12	3.18E-12	1.62E-15	3.91E-14	2.16E-15	4.28396E-14	5.395E-12	2.5868E-06	3.23E-07	1.36225E-12	6.53882E-15	6.79945E-13	1.09E-15
217	571030.6	4178159	0.55, 41781	1.0701	1.00768	0.7637	365.27865	135.92516	512.48146	63.89384	29.33742	70.31034	4.44E-09	2.98E-06	4.08E-07	1.37E-12	4.13E-12	3.27E-12	1.66E-15	4.02E-14	2.22E-15	4.40363E-14	5.546E-12	2.9764E-06	4.08E-07	1.40031E-12	6.72147E-15	6.98938E-13	1.12E-15
218	571070.6	4178159	0.55, 41781	1.06935	1.07923	0.71312	382.13438	155.20031	662.82772	54.74849	37.25068	94.68967	4.14E-09	3.85E-06	5.5E-07	1.28E-12	3.86E-12	3.05E-12	1.55E-15	3.75E-14	2.07E-15	4.11219E-14	5.179E-12	3.8496E-06	5.5E-07	1.30763E-12	6.27663E-15	6.5268E-13	1.04E-15
219	571110.6	4178159	0.55, 41781	1.19831	1.16386	0.6846	373.85472	174.62021	736.75515	53.40782	39.37776	93.09067	3.98E-09	4.28E-06	5.41E-07	1.23E-12	3.71E-12	2.93E-12	1.49E-15	3.6E-14	1.99E-15	3.94793E-14	4.972E-12	4.279E-06	5.41E-07	1.2554E-12	6.02592E-15	6.26611E-13	1E-15
220	571150.6	4178159	0.55, 41781	1.53671	1.26322	0.72724	331.2731	149.81574	693.97089	50.26616	34.67292	96.78528	4.23E-09	4.03E-06	5.62E-07	1.3E-12	3.94E-12	3.11E-12	1.58E-15	3.82E-14	2.11E-15	4.19391E-14	5.282E-12	4.0304E-06	5.62E-07	1.33362E-12	6.40137E-15	6.65651E-13	1.07E-15
221	571190.6	4178159	0.55, 41781	1.71324	1.27647	0.80447	303.5521	125.05743	565.89383	43.45807	29.97586	80.84198	4.67E-09	3.29E-06	4.7E-07	1.44E-12	4.35E-12	3.44E-12	1.75E-15	4.23E-14	2.34E-15	4.63912E-14	5.842E-12	3.2866E-06	4.7E-07	1.47519E-12	7.08091E-15	7.36314E-13	1.18E-15
222	571230.6	4178159	0.55, 41781	1.67997	1.21931	0.99011	277.00255	96.22407	622.39581	36.53844	24.95569	77.79948	5.75E-09	3.61E-06	4.52E-07	1.77E-12	5.36E-12	4.23E-12	2.16E-15	5.21E-14	2.87E-15	5.70907E-14	7.19E-12	3.6147E-06	4.52E-07	1.81542E-12	8.71403E-15	9.06136E-13	1.45E-15
223	571270.6	4178159	0.55, 41781	1.56347	1.13234	1.265	251.96988	83.18585	536.39129	31.498	20.71301	67.04891	7.35E-09	3.12E-06	3.89E-07	2.27E-12	6.85E-12	5.41E-12	2.75E-15	6.65E-14	3.67E-15	7.29342E-14	9.185E-12	3.1152E-06	3.89E-07	2.31923E-12	1.11323E-14	1.1576E-12	1.85E-15
224	571310.6	4178159	0.55, 41781	1.42012	1.03692	1.45126	223.09845	65.85457	360.16353	27.88731	18.21453	45.02044	8.43E-09	2.09E-06	2.61E-07	2.6E-12	7.85E-12	6.2E-12	3.16E-15	7.63E-14	4.21E-15	8.36688E-14	1.054E-11	2.0917E-06	2.61E-07	2.66058E-12	1.27708E-14	1.32798E-12	2.12E-15
225	571350.6	4178159	0.55, 41781	1.26306	0.93714	1.42084	212.7442	53.05659	355.96566	26.59303	15.01468	44.49571	8.25E-09	2.07E-06	2.58E-07	2.55E-12	7.69E-12	6.07E-12	3.09E-15	7.47E-14	4.12E-15	8.19137E-14	1.032E-11	2.0673E-06	2.58E-07	2.60477E-12	1.25029E-14	1.30012E-12	2.08E-15
226	571390.6	4178159	0.55, 41781	1.10199	0.83709	1.24864	185.92823	54.01949	274.01244	23.24103	13.29114	34.25155	7.25E-09	1.59E-06	1.99E-07	2.24E-12	6.76E-12	5.34E-12	2.72E-15	6.56E-14	3.62E-15	7.19863E-14	9.066E-12	1.5914E-06	1.99E-07	2.28909E-12	1.09876E-14	1.14256E-12	1.83E-15
227	571430.6	4178159	0.55, 41781	0.9418	0.73869	1.04204	159.26436	53.60229	222.79179	21.61583	11.2268	27.84897	6.05E-09	1.29E-06	1.62E-07	1.87E-12	5.64E-12	4.45E-12	2.27E-15	5.48E-14	3.02E-15	6.0076E-14	7.566E-12	1.2939E-06	1.62E-07	1.91035E-12	9.16969E-15	9.53518E-13	1.53E-15
228	571470.6	4178159	0.55, 41781	0.79447	0.64516	0.85663	139.92539	51.85557	187.30754	21.06215	9.90602	27.91527	4.98E-09	1.09E-06	1.62E-07	1.54E-12	4.64E-12	3.66E-12	1.86E-15	4.5E-14	2.49E-15	4.93873E-14	6.22E-12	1.0879E-06	1.62E-07	1.57046E-12	7.53822E-15	7.83868E-13	1.25E-15
229	571510.6	4178159	0.55, 41781	0.67282	0.56206	0.7111	120.25585	49.92459	159.61818	19.96311	8.50885	26.60303	4.13E-09	9.27E-07	1.55E-07	1.27E-12	3.85E-12	3.04E-12	1.55E-15	3.74E-14	2.06E-15	4.09974E-14	5.163E-12	9.2706E-07	1.55E-07	1.30367E-12	6.25764E-15	6.50705E-13	1.04E-15
230	571550.6	4178159	0.55, 41781	0.57423	0.48972	0.59807	110.64777	47.57404	144.95635	18.4413	7.31081	24.15939	3.47E-09	8.42E-07	1.4E-07	1.07E-12	3.24E-12	2.56E-12	1.3E-15	3.14E-14	1.74E-15	3.44811E-14	4.343E-12	8.4191E-07	1.4E-07	1.09646E-12	5.26302E-15	5.47279E-13	8.76E-16
231	571590.6	4178159	0.55, 41781	0.49292	0.42713	0.50772	100.4908	44.5532	128.72625	16.74847	6.44552	21.45437	2.95E-09	7.48E-07	1.25E-07	9.1E-13	2.75E-12	2.17E-12	1.11E-15	2.67E-14	1.47E-15	2.92722E-14	3.687E-12	7.4765E-07	1.25E-07	9.30826E-13	4.46796E-15	4.64605E-13	7.43E-16
232	570310.6	4178199	0.55, 41781	0.10691	0.07648	0.10208	81.28791	24.55019	79.664	10.16099	3.94128	9.958	5.93E-10	4.63E-07	5.78E-08	1.83E-13	5.52E-13	4.36E-13	2.22E-16	5.37E-15	2.96E-16	5.88523E-15	7.412E-13	4.6269E-07	5.78E-08	1.87144E-13	8.98291E-16	9.34095E-14	1.49E-16
233	570350.6	4178199	0.55, 41781	0.11881	0.08587	0.11329	92.41038	27.80697	96.15133	11.5513	4.55912	12.01892	6.58E-10	5.58E-07	6.98E-08	2.03E-13	6.13E-13	4.84E-13	2.47E-16	5.96E-15	3.29E-16	6.53154E-15	8.226E-13	5.5845E-07	6.98E-08	2.07696E-13	9.9694E-16	1.03668E-13	1.66E-16
234	570390.6	4178199	0.55, 41781	0.13286	0.09703	0.12666	98.9418	30.67703	108.4605	12.36772	5.11284	13.55756	7.36E-10	6.3E-07	7.88E-08	2.27E-13	6.85E-13	5.41E-13	2.76E-16	6.66E-15	3.68E-16	7.30237E-15	9.197E-13	6.2993E-07	7.88E-08	2.32208E-13	1.1146E-15	1.15902E-13	1.85E-16
235	570430.6	4178199	0.55, 41781	0.14935	0.11037	0.14231	98.24021	33.47488	112.67373	12.28003	5.57915	14.08422	8.27E-10	6.54E-07	8.18E-08	2.55E-13	7.7E-13	6.08E-13	3.1E-16	7.48E-15	4.13E-16	8.20467E-15	1.033E-12	6.5441E-07	8.18E-08	2.609E-13	1.25232E-15	1.30223E-13	2.08E-16
236	570470.6	4178199	0.55, 41781	0.1686	0.12646	0.16043	107.25905	35.76824	115.05444	13.40738	5.96137	14.38181	9.32E-10	6.68E-07	8.35E-08	2.88E-13	8.68E-13	6.86E-13	3.49E-16	8.43E-15	4.66E-16	9.24938E-15	1.165E-12	6.6824E-07	8.35E-08	2.9412E-13	1.41178E-15	1.46805E-13	2.35E-16
237	570510.6	4178199	0.55, 41781	0.19081	0.14598	0.18108	111.923	37.71142	131.96286	13.99038	6.28524	16.49536	1.05E-09	7.66E-07	9.58E-08	3.25E-13	9.8E-13	7.74E-13	3.94E-16	9.52E-15	5.26E-16	1.044E-14	1.315E-12	7.6643E-07	9.58E-08	3.3198E-13	1.5935E-15	1.65702E-13	2.65E-16
238	570550.6	4178199	0.55, 41781	0.21602	0.16987	0.20495	119.57772	40.00549	129.21029	14.94721	6.67621	16.15129	1.19E-09	7.5E-07	9.38E-08	3.67E-13	1.11E-12	8.76E-13	4.46E-16	1.08E-14	5.95E-16	1.18157E-14	1.488E-12	7.5045E-07	9.38E-08	3.75725E-13	1.80348E-15	1.87537E-13	3E-16
239	570590.6	4178199	0.55, 41781	0.24388	0.19917	0.2325	124.08345	42.52786	147.10165	15.51043	7.78928	18.38771	1.35E-09	8.54E-07	1.07E-07	4.17E-13	1.26E-12	9.94E-13	5.06E-16	1.22E-14	6.75E-16	1.34047E-14	1.688E-12	8.5436E-07	1.07E-07	4.26255E-13	2.04602E-15	2.12758E-13	3.4E-16
240	570630.6	4178199	0.55, 41781	0.27242	0.23473	0.26214	135.79301	45.13025	156.31523	16.97413	8.73982	19.5394	1.52E-09	9.08E-07	1.14E-07	4.7E-13	1.42E-12	1.12E-12	5.71E-16	1.38E-14	7.61E-16	1.51137E-14	1.903E-12	9.0787E-07	1.14E-07	4.806E-13	2.30688E-15	2.39883E-13	3.84E-16
241	570670.6	4178199	0.55, 41781	0.29828	0.27729	0.29064	136.89517	48.04336	174.48935	17.44831	9.65486	21.81117	1.69E-09	1.01E-06	1.27E-07	5.21E-13	1.57E-12	1.24E-12	6.33E-16	1.53E-14	8.44E-16	1.67571E-14	2.11E-12	1.0134E-06	1.27E-07	5.32859E-13	2.55772E-15	2.65967E-13	4.26E-16
242	570710.6	4178199	0.55, 41781	0.321	0.32818	0.31291	151.98197	52.23375	185.24815	19.68934	11.4382	23.15602	1.82E-09	1.08E-06	1.35E-07	5.61E-13	1.69E-12	1.34E-12	6.81E-16	1.65E-14	9.08E-16	1.80416E-14	2.272E-12	1.0759E-06	1.35E-07	5.73702E-13	2.75377E-15	2.86353E-13	4.58E-16
243	570750.6	4178199	0.55, 41781	0.34558	0.38955	0.32771	144.12865	57.26085	196.68908	22.53194	13.53855	24.58613	1.9E-09	1.14E-06	1.43E-07	5.87E-13	1.77E-12	1.4E-12	7.13E-16	1.72E-14	9.51E-16	1.88956E-14	2.38E-12	1.1424E-06	1.43E-07	6.00858E-13	2.88412E-15	2.99908E-13	4.8E-16
244	570790.6	4178199	0.55, 41781	0.38143	0.46429	0.35275	173.32889	66.95506	241.81218	25.57778	15.36352	36.58263	2.05E-09	1.4E-06	2.12E-07	6.32E-13	1.91E-12	1.51E-12	7.68E-16	1.85E-14	1.02E-15	2.034E-14	2.562E-12	1.4044E-06	2.12E-07	6.4679E-13	3.10459E-15	3.22834E-13	5.17E-16
245	570830.6	4178199	0.55, 41781	0.44289	0.55991	0.39405	200.31972	78.9407	262.23048	28.47462	17.66262	37.4615	2.29E-09	1.52E-06	2.18E-07	7.06E-13	2.13E-12	1.68E-12	8.58E-16	2.07E-14	1.14E-15	2.2722E-14	2.862E-12	1.523E-06	2.18E-07	7.22536E-13	3.46817E-15	3.60641E-13	5.77E-16
246	570870.6	4178199	0.55, 41781	0.55133	0.6879	0.45528	245.75399	83.68372	263.19795	34.28137	20.83884	36.18743	2.65E-09	1.53E-06	2.1E-07	8.16E-13	2.46E-12	1.95E-12	9.91E-16	2.39E-14	1.32E-15	2.62534E-14	3.306E-12	1.5287E-06	2.1E-07	8.34828E-13	4.00718E-15	4.1669E-13	6.67E-16
247	570910.6	4178199	0.55, 41781	0.74216	0.86472	0.57468	353.61381	98.21675	387.24795	44.20173	24.01316	48.40599	3.34E-09	2.25E-06	2.81E-07	1.03E-12	3.11E-12	2.46E-12	1.25E-15	3.02E-14	1.67E-15	3.31385E-14	4.173E-12	2.2491E-06	2.81E-07	1.05377E-12	5.05809E-15	5.25969E-13	8.42E-16
248	570950.6	4178199	0.55, 41781	1.08517	1.1274	0.77671	376.11466	111.85559	479.74888	52.74149	29.33795	59.96861	4.51E-09	2.79E-06	3.48E-07	1.39E-12	4.2E-12	3.32E-12	1.69E-15	4.08E-14	2.25E-15	4.47879E-14	5.641E-12	2.7863E-06	3.48E-07	1.42421E-12	6.8362E-15	7.10868E-13	1.14E-15
249	570990.6	4178199	0.55, 41781	1.58976	1.56693	1.05873	410.19015	135.68135	559.12982	68.60008	44.06737	76.18548	6.15E-09	3.25E-06	4.43E-07	1.9E-12	5.73E-12	4.53E-12	2.3E-15	5.57E-14	3.07E-15	6.10509E-14	7.689E-12	3.2474E-06	4.43E-07	1.94135E-12	9.31849E-15	9.6899E-13	1.55E-15
250	571030.6	4178199	0.55, 41781	2.42958	2.27373	1.377	561.74649	191.25505	728.04918	107.05418	55.40677	100.45619	8E-09	4.23E-06	5.84E-07	2.47E-12	7.45E-12	5.89E-12	3E-15	7.24E-14	4E-15	7.94076E-14	1E-11	4.2284E-06	5.84E-07	2.52508E-12	1.21204E-14	1.26035E-12	2.02E-15
251	571070.6	4178199	0.55, 41781	3.58306	3.18041	1.39903	721.18769	259.71405	966.70756	139.44796	73.67892	146.94766	8.13E-09	5.61E-06	8.54E-07	2.51E-12	7.57E-12	5.98E-12	3.05E-15	7.36E-14	4.06E-15	8.06921E-14	1.016E-11	5.6146E-06	8.54E-07	2.56592E-12	1.23164E-14	1.28073E-12	2.05E-15
252	571110.6	4178199	0.55, 41781	5.26167	3.22788	1.2956	536.30163	206.72583	1199.13306	116.57539	57.94295	153.9862	7.53E-09	6.96E-06	8.94E-07	2.32E-12	7.02E-12	5.54E-12	2.82E-15	6.82E-14	3.76E-15	7.47337E-14	9.412E-12	6.9642E-06	8.94E-07	2.37645E-12	1.1407E-14	1.18616E-12	1.9E-15
253	571150.6	4178199	0.55, 41781	4.55265	2.7214	1.43074	406.82024	165.14744	1078.46551	75.27018	43.84452	138.95995	8.31E-09	6.26E-06	8.07E-07	2.57E-12	7.75E-12	6.12E-12	3.12E-15	7.52E-14	4.15E-15	8.2515E-14	1.039E-11	6.2634E-06	8.07E-07	2.62389E-12	1.25947E-14	1.30967E-12	2.1E-15
254	571190.6	4178199	0.55, 41781	3.6655	2.27193	1.9191	348.88414	129.45816	921.59929	55.11772	35.12171	118.18584	1.11E-08	5.35E-06	6.86E-07	3.44E-12	1.04E-11	8.21E-12	4.18E-15	1.01E-13	5.57E-15	1.10657E-13	1.394E-11	5.3523E-06	6.86E-07	3.51876E-12	1.689E-14	1.75633E-12	2.81E-15

255	571230.6	4178199	0.55, 41781	2.99647	1.91661	2.63905	311.11499	100.77545	780.81724	44.29874	28.05958	97.60216	1.53E-08	4.53E-06	5.67E-07	4.73E-12	1.43E-11	1.13E-11	5.74E-15	1.39E-13	7.66E-15	1.52149E-13	1.916E-11	4.5347E-06	5.67E-07	4.83817E-12	2.32232E-14	2.41489E-12	3.86E-15
256	571270.6	4178199	0.55, 41781	2.48655	1.63354	2.7833	275.28639	78.6156	563.64868	36.03295	23.70769	70.45609	1.62E-08	3.27E-06	4.09E-07	4.99E-12	1.51E-11	1.19E-11	6.06E-15	1.46E-13	8.08E-15	1.60459E-13	2.021E-11	3.2735E-06	4.09E-07	5.10242E-12	2.44916E-14	2.54678E-12	4.07E-15
257	571310.6	4178199	0.55, 41781	2.04979	1.39182	2.36332	251.65063	69.80646	418.93362	31.45633	18.505	52.3667	1.37E-08	2.43E-06	3.04E-07	4.24E-12	1.28E-11	1.01E-11	5.14E-15	1.24E-13	6.86E-15	1.36247E-13	1.716E-11	2.4331E-06	3.04E-07	4.3325E-12	2.0796E-14	2.16249E-12	3.46E-15
258	571350.6	4178199	0.55, 41781	1.66907	1.18291	1.84305	207.71058	67.17721	304.96385	28.41822	15.5683	43.42728	1.07E-08	1.77E-06	2.52E-07	3.3E-12	9.97E-12	7.88E-12	4.01E-15	9.69E-14	5.35E-15	1.06254E-13	1.338E-11	1.7712E-06	2.52E-07	3.37877E-12	1.62181E-14	1.68645E-12	2.7E-15
259	571390.6	4178199	0.55, 41781	1.33874	0.99933	1.42084	175.53523	63.93291	243.3206	26.80029	13.20173	40.55343	8.25E-09	1.41E-06	2.36E-07	2.55E-12	7.69E-12	6.07E-12	3.09E-15	7.47E-14	4.12E-15	8.19147E-14	1.032E-11	1.4132E-06	2.36E-07	2.6048E-12	1.2503E-14	1.30014E-12	2.08E-15
260	571430.6	4178199	0.55, 41781	1.08215	0.84466	1.12094	146.49279	60.30749	207.71024	24.41546	11.02968	34.61837	6.51E-09	1.21E-06	2.01E-07	2.01E-12	6.07E-12	4.79E-12	2.44E-15	5.89E-14	3.25E-15	6.46256E-14	8.139E-12	1.2064E-06	2.01E-07	2.05502E-12	9.86412E-15	1.02573E-12	1.64E-15
261	571470.6	4178199	0.55, 41781	0.88511	0.71494	0.90372	129.54701	55.96987	172.11269	21.59117	9.33698	28.68545	5.25E-09	1E-06	1.67E-07	1.62E-12	4.89E-12	3.86E-12	1.97E-15	4.75E-14	2.62E-15	5.21027E-14	6.562E-12	9.9963E-07	1.67E-07	1.65681E-12	7.95269E-15	8.26967E-13	1.32E-15
262	571510.6	4178199	0.55, 41781	0.73336	0.60746	0.74181	112.64977	51.14316	142.69265	18.77496	8.40942	23.78211	4.31E-09	8.29E-07	1.38E-07	1.33E-12	4.01E-12	3.17E-12	1.61E-15	3.9E-14	2.15E-15	4.27683E-14	5.386E-12	8.2877E-07	1.38E-07	1.35999E-12	6.52793E-15	6.78813E-13	1.09E-15
263	571550.6	4178199	0.55, 41781	0.6189	0.52125	0.62191	97.68282	46.08498	120.36205	16.28047	7.59304	20.06034	3.61E-09	6.99E-07	1.17E-07	1.11E-12	3.37E-12	2.66E-12	1.35E-15	3.27E-14	1.8E-15	3.58558E-14	4.516E-12	6.9907E-07	1.17E-07	1.14018E-12	5.47284E-15	5.69098E-13	9.11E-16
264	571590.6	4178199	0.55, 41781	0.52714	0.45016	0.52751	84.87826	41.93857	102.67653	14.14638	6.8553	17.11275	3.06E-09	5.96E-07	9.94E-08	9.46E-13	2.85E-12	2.26E-12	1.15E-15	2.77E-14	1.53E-15	3.04133E-14	3.83E-12	5.9636E-07	9.94E-08	9.67111E-13	4.64213E-15	4.82716E-13	7.72E-16
265	570310.6	4178239	0.55, 41782	0.10871	0.07725	0.10419	69.36135	22.19632	77.30253	9.49069	3.20395	10.55794	6.05E-10	4.49E-07	6.13E-08	1.87E-13	5.64E-13	4.45E-13	2.27E-16	5.48E-15	3.02E-16	6.00687E-15	7.565E-13	4.4897E-07	6.13E-08	1.91012E-13	9.16857E-16	9.53401E-14	1.53E-16
266	570350.6	4178239	0.55, 41782	0.12097	0.08699	0.11543	80.24676	23.95533	77.73127	10.03084	3.79637	10.6184	6.7E-10	4.51E-07	6.17E-08	2.07E-13	6.25E-13	4.93E-13	2.51E-16	6.07E-15	3.35E-16	6.65491E-15	8.381E-13	4.5146E-07	6.17E-08	2.11619E-13	1.01577E-15	1.05626E-13	1.69E-16
267	570390.6	4178239	0.55, 41782	0.13576	0.09875	0.129	97.68381	28.15369	96.07123	12.21048	4.56788	12.0089	7.49E-10	5.58E-07	6.98E-08	2.31E-13	6.98E-13	5.51E-13	2.81E-16	6.78E-15	3.74E-16	7.43728E-15	9.366E-13	5.5798E-07	6.98E-08	2.36498E-13	1.13519E-15	1.18043E-13	1.89E-16
268	570430.6	4178239	0.55, 41782	0.15369	0.11303	0.14573	112.57412	32.01468	119.02369	14.07177	5.30028	14.87796	8.47E-10	6.91E-07	8.64E-08	2.61E-13	7.89E-13	6.23E-13	3.17E-16	7.66E-15	4.23E-16	8.40184E-15	1.058E-12	6.9128E-07	8.64E-08	2.6717E-13	1.28241E-15	1.33353E-13	2.13E-16
269	570470.6	4178239	0.55, 41782	0.17542	0.1305	0.16624	120.86213	35.6675	135.90431	15.10777	5.94458	16.98804	9.66E-10	7.89E-07	9.87E-08	2.98E-13	9E-13	7.11E-13	3.62E-16	8.74E-15	4.82E-16	9.58434E-15	1.207E-12	7.8932E-07	9.87E-08	3.04772E-13	1.4629E-15	1.52121E-13	2.43E-16
270	570510.6	4178239	0.55, 41782	0.20166	0.15208	0.19089	118.29832	38.86505	139.27939	14.78729	6.47751	17.40992	1.11E-09	8.09E-07	1.01E-07	3.42E-13	1.03E-12	8.16E-13	4.15E-16	1E-14	5.54E-16	1.10055E-14	1.386E-12	8.0893E-07	1.01E-07	3.49964E-13	1.67983E-15	1.74678E-13	2.79E-16
271	570550.6	4178239	0.55, 41782	0.23297	0.17899	0.21994	134.82021	41.51275	155.81716	16.85253	6.91879	19.47714	1.28E-09	9.05E-07	1.13E-07	3.94E-13	1.19E-12	9.4E-13	4.79E-16	1.16E-14	6.38E-16	1.26804E-14	1.597E-12	9.0498E-07	1.13E-07	4.03224E-13	1.93548E-15	2.01262E-13	3.22E-16
272	570590.6	4178239	0.55, 41782	0.26933	0.21289	0.25402	138.182	44.61865	161.93184	17.27275	7.89914	20.24148	1.48E-09	9.4E-07	1.18E-07	4.55E-13	1.37E-12	1.09E-12	5.53E-16	1.34E-14	7.37E-16	1.46454E-14	1.844E-12	9.4049E-07	1.18E-07	4.65707E-13	2.23539E-15	2.32449E-13	3.72E-16
273	570630.6	4178239	0.55, 41782	0.31001	0.25571	0.29378	151.57706	47.88426	180.12829	18.94713	9.37801	22.51604	1.71E-09	1.05E-06	1.31E-07	5.27E-13	1.59E-12	1.26E-12	6.39E-16	1.54E-14	8.53E-16	1.69378E-14	2.133E-12	1.0462E-06	1.31E-07	5.38605E-13	2.5853E-15	2.68835E-13	4.3E-16
274	570670.6	4178239	0.55, 41782	0.35129	0.30919	0.33746	163.01094	51.1286	193.67566	20.37637	10.66356	24.20946	1.96E-09	1.12E-06	1.41E-07	6.05E-13	1.83E-12	1.44E-12	7.35E-16	1.77E-14	9.79E-16	1.94564E-14	2.45E-12	1.1249E-06	1.41E-07	6.18693E-13	2.96973E-15	3.08809E-13	4.94E-16
275	570710.6	4178239	0.55, 41782	0.3879	0.37553	0.37852	161.77129	55.27243	215.9147	21.46966	11.91574	26.98934	2.2E-09	1.25E-06	1.57E-07	6.79E-13	2.05E-12	1.62E-12	8.24E-16	1.99E-14	1.1E-15	2.18241E-14	2.749E-12	1.254E-06	1.57E-07	6.93984E-13	3.33113E-15	3.4639E-13	5.54E-16
276	570750.6	4178239	0.55, 41782	0.41955	0.45853	0.40652	185.09687	61.2613	243.75059	24.33831	15.0229	31.56234	2.36E-09	1.42E-06	1.83E-07	7.29E-13	2.2E-12	1.74E-12	8.85E-16	2.14E-14	1.18E-15	2.34393E-14	2.952E-12	1.4157E-06	1.83E-07	7.45345E-13	3.57766E-15	3.72026E-13	5.95E-16
277	570790.6	4178239	0.55, 41782	0.45531	0.56517	0.42739	195.76674	71.16962	229.68596	30.0466	17.67317	35.54387	2.48E-09	1.33E-06	2.06E-07	7.66E-13	2.31E-12	1.83E-12	9.3E-16	2.25E-14	1.24E-15	2.46439E-14	3.104E-12	1.334E-06	2.06E-07	7.83648E-13	3.76151E-15	3.91144E-13	6.26E-16
278	570830.6	4178239	0.55, 41782	0.51729	0.70869	0.46924	186.14136	86.93814	313.42291	30.32646	20.0795	44.72862	2.73E-09	1.82E-06	2.6E-07	8.41E-13	2.54E-12	2.01E-12	1.02E-15	2.47E-14	1.36E-15	2.70583E-14	3.408E-12	1.8203E-06	2.6E-07	8.60424E-13	4.13003E-15	4.29465E-13	6.87E-16
279	570870.6	4178239	0.55, 41782	0.63421	0.91745	0.53024	225.98347	96.3139	311.28977	37.66391	24.81387	41.34654	3.08E-09	1.81E-06	2.4E-07	9.51E-13	2.87E-12	2.27E-12	1.15E-15	2.79E-14	1.54E-15	3.05775E-14	3.851E-12	1.808E-06	2.4E-07	9.72332E-13	4.66719E-15	4.85322E-13	7.77E-16
280	570910.6	4178239	0.55, 41782	0.85302	1.23442	0.65693	293.13359	117.47886	326.7744	47.06613	30.6738	48.00957	3.82E-09	1.9E-06	2.79E-07	1.18E-12	3.56E-12	2.81E-12	1.43E-15	3.45E-14	1.91E-15	3.78849E-14	4.771E-12	1.8979E-06	2.79E-07	1.2047E-12	5.78255E-15	6.01303E-13	9.62E-16
281	570950.6	4178239	0.55, 41782	1.35023	1.79208	0.88884	455.80102	142.22416	478.03953	68.40553	39.86266	68.50221	5.16E-09	2.78E-06	3.98E-07	1.59E-12	4.81E-12	3.8E-12	1.94E-15	4.67E-14	2.58E-15	5.12611E-14	6.456E-12	2.7764E-06	3.98E-07	1.63005E-12	7.82422E-15	8.13608E-13	1.3E-15
282	570990.6	4178239	0.55, 41782	3.0182	3.06414	1.32054	885.93977	193.04223	771.54657	147.1874	58.20401	96.44332	7.67E-09	4.48E-06	5.6E-07	2.37E-12	7.15E-12	5.65E-12	2.88E-15	6.95E-14	3.83E-15	7.61654E-14	9.592E-12	4.4811E-06	5.6E-07	2.42198E-12	1.16255E-14	1.20889E-12	1.93E-15
283	571030.6	4178239	0.55, 41782	7.70332	4.46365	2.30139	679.65913	243.63294	1123.21669	144.28562	71.78775	156.8655	1.34E-08	6.52E-06	9.11E-07	4.13E-12	1.25E-11	9.84E-12	5.01E-15	1.21E-13	6.68E-15	1.3273E-13	1.672E-11	6.5234E-06	9.11E-07	4.22066E-12	2.02592E-14	2.10667E-12	3.37E-15
284	571110.6	4178239	0.55, 41782	48.37684	13.76668	3.52906	1082.14109	288.2044	2417.61379	441.33003	115.9324	328.07057	2.05E-08	1.4E-05	1.91E-06	6.33E-12	1.91E-11	1.51E-11	7.69E-15	1.86E-13	1.03E-14	2.03691E-13	2.565E-11	1.4041E-05	1.91E-06	6.47715E-12	3.10903E-14	3.23295E-12	5.17E-15
285	571150.6	4178239	0.55, 41782	14.38318	6.22649	4.84511	550.93904	192.81003	1871.63269	147.46183	59.89562	339.77194	2.81E-08	1.09E-05	1.97E-06	8.69E-12	2.62E-11	2.07E-11	1.05E-14	2.55E-13	1.41E-14	2.79387E-13	3.519E-11	1.087E-05	1.97E-06	8.88422E-12	4.26443E-14	4.4344E-12	7.1E-15
286	571190.6	4178239	0.55, 41782	8.08563	4.10425	7.76231	423.01159	138.20819	1326.9025	88.76631	43.45879	203.98194	4.51E-08	7.71E-06	1.18E-06	1.39E-11	4.2E-11	3.32E-11	1.69E-14	4.08E-13	2.25E-14	4.47497E-13	5.636E-11	7.7061E-06	1.18E-06	1.42299E-11	6.83036E-14	7.10261E-12	1.14E-14
287	571230.6	4178239	0.55, 41782	5.48613	3.01374	6.36519	364.79857	99.98669	820.37732	64.1708	32.88659	114.5851	3.7E-08	4.76E-06	6.66E-07	1.14E-11	3.44E-11	2.72E-11	1.39E-14	3.35E-13	1.85E-14	3.66946E-13	4.621E-11	4.7645E-06	6.66E-07	1.16685E-11	5.60088E-14	5.82412E-12	9.32E-15
288	571270.6	4178239	0.55, 41782	3.91656	2.30583	4.21608	308.69657	91.16262	501.73471	42.97299	25.31404	83.35946	2.45E-08	2.91E-06	4.84E-07	7.56E-12	2.28E-11	1.8E-11	9.18E-15	2.22E-13	1.22E-14	2.43057E-13	3.061E-11	2.914E-06	4.84E-07	7.72896E-12	3.7099E-14	3.85777E-12	6.17E-15
289	571310.6	4178239	0.55, 41782	2.81911	1.80691	2.86031	238.76095	82.99282	368.88984	36.57222	19.65898	61.48164	1.66E-08	2.14E-06	3.57E-07	5.13E-12	1.55E-11	1.22E-11	6.23E-15	1.5E-13	8.3E-15	1.64901E-13	2.077E-11	2.1425E-06	3.57E-07	5.24366E-12	2.51696E-14	2.61728E-12	4.19E-15
290	571350.6	4178239	0.55, 41782	2.07392	1.43877	2.07081	186.98174	75.01218	257.12826	31.16362	15.62493	42.85471	1.2E-08	1.49E-06	2.49E-07	3.71E-12	1.12E-11	8.85E-12	4.51E-15	1.09E-13	6.01E-15	1.19387E-13	1.504E-11	1.4934E-06	2.49E-07	3.79637E-12	1.82226E-14	1.89489E-12	3.03E-15
291	571390.6	4178239	0.55, 41782	1.57003	1.1589	1.56847	153.36435	67.14235	200.39228	25.56072	13.28221	31.13336	9.11E-09	1.16E-06	1.81E-07	2.81E-12	8.49E-12	6.71E-12	3.41E-15	8.25E-14	4.55E-15	9.04268E-14	1.139E-11	1.1639E-06	1.81E-07	2.87548E-12	1.38023E-14	1.43524E-12	2.3E-15
292	571430.6	4178239	0.55, 41782	1.23548	0.94866	1.2378	124.99719	59.46648	164.5542	20.83286	11.6734	24.18073	7.19E-09	9.56E-07	1.4E-07	2.22E-12	6.7E-12	5.29E-12	2.69E-15	6.51E-14	3.59E-15	7.13632E-14	8.987E-12	9.5574E-07	1.4E-07	2.26927E-12	1.08925E-14	1.13267E-12	1.81E-15
293	571470.6	4178239	0.55, 41782	0.99131	0.7845	0.9961	109.3041	54.21436	142.14876	17.2339	10.26711	19.9293	5.79E-09	8.26E-07	1.16E-07	1.79E-12	5.39E-12	4.26E-12	2.17E-15	5.24E-14	2.89E-15	5.74287E-14	7.233E-12	8.2561E-07	1.16E-07	1.82617E-12	8.76562E-15	9.11501E-13	1.46E-15
294	571510.6	4178239	0.55, 41782	0.81688	0.65976	0.82266	100.30585	50.40167	129.05875	14.55844	9.03737	16.96469	4.78E-09	7.5E-07	9.85E-08	1.47E-12	4.45E-12	3.52E-12	1.79E-15	4.33E-14	2.39E-15	4.74295E-14	5.973E-12	7.4959E-07	9.85E-08	1.50821E-12	7.23939E-15	7.52794E-13	1.2E-15
295	571550.6	4178239	0.55, 41782	0.68618	0.56281	0.69258	92.19218	46.80105	116.817	12.52836	7.96128	14.60636	4.02E-09	6.78E-07	8.48E-08	1.24E-12	3.75E-12	2.96E-12	1.51E-15	3.64E-14	2.01E-15	3.993E-14	5.029E-12	6.7849E-07	8.48E-08	1.26973E-12	6.0947E-15	6.33763E-13	1.01E-15
296	571590.6	4178239	0.55, 41782	0.57854	0.48285	0.58537	84.94405	43.3686	105.85184	10.89629	7.01254	13.23148	3.4E-09	6.15E-07	7.69E-08	1.05E-12	3.17E-12	2.5E-12	1.27E-15	3.08E-14	1.7E-15	3.3749E-14	4.25E-12	6.148E-07	7.69E-08	1.07318E-12	5.15127E-15	5.35659E-13	8.57E-16
297	570310.6	4178279	0.55, 41782	0.11004	0.07807	0.10589	74.04292	22.79319	77.67346	10.17864	3.64675	10.70288	6.15E-10	4.51E-07	6.22E-08	1.9E-13	5.73E-13	4.53E-13	2.3E-16	5.57E-15	3.07E-16	6.10487E-15	7.688E-13	4.5113E-07	6.22E-08	1.94128E-13	9.31816E-16	9.68956E-14	1.55E-16
298	570350.6	4178279	0.55, 41782	0.12249	0.08802	0.11726	80.9847	23.74961	88.18196	11.08549	3.81596	12.05595	6.81E-10	5.12E-07	7E-08	2.1E-13	6.35E-13	5.01E-13	2.55E-16	6.16E-15	3.4E-16	6.76041E-15	8.514E-13	5.1216E-07	7E-08	2.14974E-13	1.03187E-15	1.073E-13	1.72E-16
299	570390.6	4178279	0.55, 41782	0.13757	0.10016	0.13084	86.03589	24.80698	96.47388	11.74551	4.00404	13.13274	7.6E-10	5.6E-07	7.63E-08	2.35E-13	7.08E-13	5.59E-13	2.85E-16	6.88E-15	3.8E-16	7.54336E-15	9.5E-13	5.6031E-07	7.63E-08	2.39871E-13	1.15138E-15	1.19727E-13	1.92E-16
300	570430.6	4178279	0.55, 41782	0.15607	0.11514	0.14747	96.31741	27.84204	100.58043	12.03968	4.46456	13.6645	8.57E-10	5.84E-07	7.94E-08	2.64E-13	7.98E-13	6.3E-13	3.21E-16	7.75E-15	4.28E-16	8.50217E-15	1.071E-12	5.8417E-07	7.94E-08	2.7036E-13	1.29773E-15	1.34945E-13	2.16E-16
301	570470.6	4178279	0.55, 41782	0.17907	0.13378	0.16835	120.52086	33.01708	119.41006	15.06511	5.41696	14.92626	9.78E-10	6.94E-07	8.67E-08	3.02E-13	9.11E-13	7.2E-13	3.66E-16	8.85E-15	4.89E-16	9.70601E-15	1.222E-12	6.9353E-07	8.67E-08	3.08641E-13	1.48148E-15	1.54052E-13	2.46E-16
302	570510.6	4178279	0.55, 41782	0.20795	0.15724	0.19497	141.57577	37.85068	153.41811	17.69697	6.30845	19.17726	1.13E-09	8.91E-07	1.11E-07	3.49E-13	1.06E-12	8.34E-13	4.24E-16	1.03E-14	5.66E-16	1.12408E-14	1.416E-12	8.9104E-07	1.11E-07	3.57445E-13	1.71574E-15	1.78412E-13	2.85E-16
303	570550.6	4178279	0.55, 41782	0.24435	0.18714	0.22876	153.17347	42.50173	177.88461	19.14668	7.08362	22.23558	1.33E-09	1.03E-06	1.29E-07	4.1E-13	1.24E-12	9.78E-13	4.98E-16	1.2E-14	6.64E-16	1.3189E-14	1.661E-12	1.0331E-06	1.29E-07	4.19395E-13	2.01309E-15	2.09333E-13	3.35E-16
304	570590.6	4178279	0.55, 41782	0.28993	0.22577	0.27077	157.86485	46.41285	177.78268	19.73311	7.73548	22.22284	1.57E-09	1.03E-06	1.29E-07	4.85E-13	1.47E-12	1.16E-12	5.89E-16	1.42E-14	7.86E-16	1.56111E-14	1.966E-12	1.0325E-06	1.29E-07	4.96415E-13	2.38279E-15	2.47777E-13	3.96E-16
305	570630.6	4178279	0.55, 41782	0.34541	0.27631	0.32199	169.89337	50.77009	212.69617	21.23667	9.57894	26.58702	1.87E-09	1.24E-06	1.54E-07	5.77E-13	1.74E-12	1.38E-12	7.01E-16	1.69E-14	9.34E-16	1.85642E-14	2.338E-12	1.2353E-06	1.54E-07	5.90323E-13	2.83355E-15	2.94649E-13	4.71E-16
306	570670.6	4178279	0.55, 41782	0.40869	0.34273	0.38328	189.16159	55.36754	226.13934	23.6452	11.64813	28.26742	2.23E-09	1.31E-06	1.64E-07	6.87E-13	2.07E-12	1.64E-12	8.34E-16	2.02E-14	1.11E-15	2.20981E-14	2.783E-12	1.3134E-06	1.64E-07	7.02695E-13	3.37294E-15	3.50738E-13	5.61E-16
307	570710.6	4178279	0.55, 41782	0.47241	0.42944	0.45188	202.37611	59.97812	249.97635	25.29701	13.4468	31.24704	2.62E-09	1.45E-06	1.82E-07	8.1E-13	2.45E-12	1.93E-12	9.84E-16	2.38E-14	1.31E-15	2.60536E-14	3.281E-12	1.4518E-06	1.82E-07	8.28476E-13	3.97668E-15	4.13519E-13	6.62E-16
308	570750.6	4178279	0.55, 41782	0.52143	0.53099	0.51003	207.36077	66.44988	280.46815	28.38204	16.35494	35.05852	2.96E-09	1.63E-06	2.04E-07	9.14E-13	2.76E-12	2.18E-12	1.11E-15	2.68E-14	1.48E-15	2.94069E-14	3.703E-12	1.6289E-06	2.04E-07	9.35108E-13	4.48852E-15	4.66742E-13	7.47E-16
309	570790.6	4178279	0.55, 41782	0.56782	0.69623	0.54766	217.33897	75.80804	318.83899	33.24185	20.36018	42.96761	3.18E-09	1.85E-06	2.5E-07	9.82E-13	2.96E-12	2.34E-12	1.19E-15	2.88E-14	1.59E-15	3.15784E-14	3.977E-12	1.8518E-06	2.5E-07	1.00416E-12	4.81996E-15	5.01207E-13	8.02E-16
310	570830.6	4178279	0.55, 41782	0.62461	0.91706	0.58168	236.67869	94.57659	403.572	34.09074	24.90976	60.93237	3.38E-09	2.34E-06	3.54E-07	1.04E-12	3.15E-12	2.49E-12	1.27E-15	3.06E-14	1.69E-15	3.35425E-14	4.224E-12	2.3439E-06	3.54E-07	1.06662E-12	5.11976E-15	5.32382E-13	8.52E-16
311	570870.6	4178279	0.55, 41782	0.74364	1.27032	0.64347	232.57719	121.10786	430.4482	38.76287	29.17824	53.80602	3.74E-09	2.5E-06	3.13E-07	1.15E-12	3.48E-12	2.75E-12	1.4E-15	3.38E-14	1.87E-15	3.71094E-14	4.674E-12	2.5E-06	3.13E-07	1.18004E-12	5.66418E-15	5.88995E-13	9.42E-16
312	570910.6	4178279	0.55, 41782	0.98087	1.94043	0.78377	289.58181	139.00222	423.1545	48.26363	45.30681	59.61258	4.55E-09	2.46E-06	3.46E-07	1.41E-12	4.24E-12	3.35E-12	1.71E-15	4.12E-14	2.28E-15	4.52063E-14	5.693E-12	2.4577E-06	3.46E-07	1.43751E-12	6.90005E-15	7.17508E-13	1.15E-15
313	570950.6	4178279	0.55, 41782	1.54705	3.33468	1.05206	380.89662	209.14004	464.4183	63.48277	60.99964	77.40305	6.11E-09	2.7E-06	4.5E-07	1.89E-12	5.7E-12	4.5E-12	2.29E-15	5.53E-14	3.06E-15	6.06915E-14	7.643E-12	2.6974E-06	4.5E-07	1.92992E-12	9.26363E-15	9.63286E-13	1.54E-15
314	571150.6	4178279	0.55, 41782	125.5821	15.27099	61.53709	2183.625	235.47088	4321.7852	1020.3296	115.3363	966.08792	3.57E-07	2.51E-05	5.61E-06	1.1E-10	3.33E-10	2.63E-10	1.34E-13	3.23E-12	1.79E-13	3.54746E-12	4.468E-10	2.5099E-05	5.61E-06	1.12806E-10	5.41467E-13	5.63048E-11	9.01E-14
315	571190.6	4178279	0.55, 41782	19.14498	7.50998	20.68123	704.1647	157.76938	1300.13062	186.41477	61.8786	262.75525	1.2E-07	7.55E-06	1.53E-06	3.71E-11	1.12E-10	8.84E-11	4.5E-14	1.09E-12	6E-14	1.19222E-12	1.501E-10	7.5507E-06	1.53E-06	3.79113E-11	1.81974E-13	1.89227E-11	3.03E-14
316	571230.6	4178279	0.55, 41782	9.41744	4.44398	9.68706	418.2482	120.63814	710.71948	87.01567	39.51148	138.35634	5.63E-08	4.13E-06	8.04E-07	1.74E-11	5.24E-11	4.14E-11	2.11E-14	5.09E-13	2.81E-14	5.58448E-13	7.033E-11	4.1277E-06	8.04E-07	1.7758E-11	8.52386E-14	8.86361E-12	1.42E-14
317	571270.6	4178279	0.55, 41782	5.33507	3.02277	5.65407	265.61255	99.06709	486.13138	58.88721	29.56115	89.94232	3.28E-08	2.82E-06	5.22E-07	1.01E-11	3.06E-11	2.42E-11	1.23E-14	2.97E-13	1.64E-14	3.25957E-13	4.105E-11	2.8233E-06	5.22E-07	1.03651E-11	4.97523E-14	5.17354E-12	8.28E-15
318	571310.6	4178279	0.55, 41782	3.44949	2.20529	3.73581	197.38222	83.78037	349.19747	42.40574	23.44903	62.97539	2.17E-08	2.03E-06	3.66E-07	6.7E-12	2.02E-11	1.6E-11	8.13E-15	1.96E-13	1.08E-14	2.15372E-13	2.712E-11	2.0281E-06	3.66E-07	6.84859E-12	3.28732E-14	3.41835E-12	5.47E-15
319	571350.6	4178279	0.55, 41782	2.42474	1.67304	2.63741	164.77993	74.08708	262.11907	31.82391	19.20475	45.98547	1.53E-08	1.52E-06	2.67E-07	4.73E-12	1.43E-11	1.13E-11	5.74E-15	1.39E-13	7.65E-15	1.5205E-13	1.915E-11	1.5224E-06	2.67E-07	4.83503E-12	2.32081E-14	2.41332E-12	3.86E-15
320	571390.6	4178279	0.55, 41782	1.80332	1.30805	1.94946	139.62437	66.18564	204.22507	24.75802	16.07748	34.84377	1.13E-08	1.19E-06	2.02E-07	3.49E-12	1.06E-11	8.33E-12	4.24E-15	1.02E-13	5.66E-15	1.1239E-13	1.415E-11	1.1861E-06	2.02E-07	3.57388E-12	1.71546E-14	1.78384E-12	2.85E-15
321	571430.6	4178279	0.55, 41782	1.38872	1.04688	1.49158	120.07885	59.47148	164.54693	19.78612	13.66223	27.17412	8.66E-09	9.56E-07	1.58E-07	2.67E-12	8.07E-12	6.38E-12	3.25E-15	7.84E-14	4.33E-15	8.59929E-14	1.083E-11	9.557E-07	1.58E-07	2.73448E-12	1.31255E-14	1.36487E-12	2.18E-15
322	571470.6	4178279	0.55, 41782	1.11171	0.86066	1.18684	104.95004	53.66694	136.91558	16.34545	11.81303	21.87493	6.89E-09	7.95E-07	1.27E-07	2.13E-12	6.42E-12	5.07E-12	2.58E-15	6.24E-14	3.44E-15	6.84244E-14	8.617E-12	7.9522E-07	1.27E-07	2.17582E-12	1.04439E-14	1.08602E-12	1.74E-15
323	571510.6	4178279	0.55, 41782	0.90331	0.71725	0.95952	92.95227	48.50847	116.77816	13.70064	10.27697	17.93941	5.57E-09	6.78E-07	1.04E-07	1.72E-12	5.19E-12	4.1E-12	2.09E-15	5.04E-14	2.78E-15	5.53191E-14	6.967E-12	6.7826E-07	1.04E-07	1.75909E-12	8.44363E-15	8.78017E-13	1.4E-15
324	571550.6	4178279	0.55, 41782	0.74685	0.60641	0.79002	83.35854	43.88956	102.16829	11.6678	9.00306	14.97338	4.59E-09	5.93E-07	8.7E-08	1.42E-12	4.28E-12	3.38E-12	1.72E-15	4.15E-14	2.29E-15	4.55472E-14	5.736E-12	5.9341E-07	8.7E-08	1.44835E-12	6.95209E-15	7.22918E-13	1.16E-15
325	571590.6	4178279	0.55, 41782	0.63093	0.52161	0.66513	75.57295	41.1264	91.05382	10.11638	7.96472	12.7323	3.86E-09	5.29E-07	7.4E-08	1.19E-12	3.6E-12	2.84E-12	1.45E-15	3.5E-14	1.93E-15	3.8347E-14	4.829E-12	5.2886E-07	7.4E-08	1.21939E-12	5.85309E-15	6.08639E-13	9.74E-16
326	570310.6	4178319	0.55, 41783	0.1112	0.07908	0.10686	65.67409	25.12162	71.57917	10.72274	3.92383	11.92986	6.21E-10	4.16E-07	6.93E-08	1.92E-13	5.78E-13	4.57E-13	2.33E-16	5.62E-15	3.1E-16	6.1608E-15	7.759E-13	4.1574E-07	6.93E-08	1.95907E-13	9.40352E-16	9.77833E-14	1.56E-16
327	570350.6	4178319	0.55, 41783	0.12381	0.08915	0.11863	72.99363	26.3644	78.028	10.96785	4.13077	12.26515	6.89E-10	4.53E-07	7.12E-08	2.13E-13	6.42E-13	5.07E-13	2.58E-16	6.24E-15	3.44E-16	6.83939E-15	8.614E-13	4.5319E-07	7.12E-08	2.17485E-13	1.04393E-15	1.08554E-13	1.74E-16
328	570390.6	4178319	0.55, 41783	0.13907	0.1015	0.13256	85.61577	27.73961	87.79758	11.84211	4.3586	12.34233	7.7E-10	5.1E-07	7.17E-08	2.38E-13	7.17E-13	5.67E-13	2.89E-16	6.97E-15	3.85E-16	7.64253E-15	9.625E-13	5.0993E-07	7.17E-08	2.43024E-13	1.16652E-15	1.21301E-13	1.94E-16
329	570430.6	4178319	0.55, 41783	0.15783	0.11689	0.14946	97.99246	29.27563	105.83642	13.47747	4.61214	14.5399	8.68E-10	6.15E-07	8.45E-08	2.68E-13	8.09E-13	6.39E-13	3.25E-16	7.86E-15	4.34E-16	8.61691E-15	1.085E-12	6.1469E-07	8.45E-08	2.74008E-13	1.31524E-15	1.36766E-13	2.19E-16
330	570470.6	4178319	0.55, 41783	0.18134	0.13633	0.17027	108.90086	31.01454	122.78	14.92794	4.89871	16.74752	9.89E-10	7.13E-07	9.73E-08	3.05E-13	9.22E-13	7.28E-13	3.71E-16	8.95E-15	4.94E-16	9.81672E-15	1.236E-12	7.131E-07	9.73E-08	3.12161E-13	1.49837E-15	1.5581E-13	2.49E-16
331	570510.6	4178319	0.55, 41783	0.21129	0.16124	0.19656	118.40452	33.29424	135.32696	15.9306	5.40834	18.39398	1.14E-09	7.86E-07	1.07E-07	3.52E-13	1.06E-12	8.4E-13	4.28E-16	1.03E-14	5.7E-16	1.13325E-14	1.427E-12	7.8597E-07	1.07E-07	3.60361E-13	1.72973E-15	1.79868E-13	2.88E-16
332	570550.6	4178319	0.55, 41783	0.2503	0.19368	0.23096	153.9338	39.94632	153.89508	19.24172	6.62991	19.23689	1.34E-09	8.94E-07	1.12E-07	4.14E-13	1.25E-12	9.87E-13	5.03E-16	1.21E-14	6.7E-16	1.33159E-14	1.677E-12	8.9381E-07	1.12E-07	4.2343E-13	2.03247E-15	2.11348E-13	3.38E-16
333	570590.6	4178319	0.55, 41783	0.30196	0.23671	0.27701	186.54439	46.61587	209.37606	23.31805	7.76931	26.17201	1.61E-09	1.22E-06	1.52E-07	4.97E-13	1.5E-12	1.18E-12	6.03E-16	1.46E-14	8.04E-16	1.59709E-14	2.011E-12	1.216E-06	1.52E-07	5.07858E-13	2.43772E-15	2.53488E-13	4.06E-16
334	570630.6	4178319	0.55, 41783	0.37105	0.29503	0.3391	205.0145	52.79857	247.59232	25.62681	8.79976	30.94904	1.97E-09	1.44E-06	1.8E-07	6.08E-13	1.84E-12	1.45E-12	7.38E-16	1.78E-14	9.84E-16	1.95508E-14	2.462E-12	1.438E-06	1.8E-07	6.21694E-13	2.98413E-15	3.10307E-13	4.96E-16
335	570670.6	4178319	0.55, 41783	0.462	0.37572	0.42024	218.45656	59.57781	273.51496	27.30707	11.98561	34.18937	2.44E-09	1.59E-06	1.99E-07	7.53E-13	2.27E-12	1.8E-12	9.15E-16	2.21E-14	1.22E-15	2.4229E-14	3.051E-12	1.5885E-06	1.99E-07	7.70457E-13	3.6982E-15	3.8456E-13	6.15E-16
336	570710.6	4178319	0.55, 41783	0.57218	0.48827	0.5224	242.44958	66.62286	291.17197	30.3062	15.15553	36.3965	3.03E-09	1.69E-06	2.11E-07	9.36E-13	2.83E-12	2.23E-12	1.14E-15	2.75E-14	1.52E-15	3.01194E-14	3.793E-12	1.6911E-06	2.11E-07	9.57765E-13	4.59727E-15	4.78051E-13	7.65E-16
337	570750.6	4178319	0.55, 41783	0.67767	0.63416	0.63666	262.41203	72.71034	341.04886	32.8015	17.84948	42.63111	3.7E-09	1.98E-06	2.48E-07	1.14E-12	3.45E-12	2.72E-12	1.39E-15	3.35E-14	1.85E-15	3.67077E-14	4.623E-12	1.9808E-06	2.48E-07	1.16726E-12	5.60287E-15	5.82619E-13	9.32E-16
338	570790.6	4178319	0.55, 41783	0.76041	0.85502	0.73352	285.66779	86.45349	381.79277	42.9347	23.67926	50.68659	4.26E-09	2.22E-06	2.94E-07	1.31E-12	3.97E-12	3.14E-12	1.6E-15	3.86E-14	2.13E-15	4.2294E-14	5.327E-12	2.2174E-06	2.94E-07	1.3449E-12	6.45554E-15	6.71285E-13	1.07E-15
339	570830.6	4178319	0.55, 41783	0.82107	1.23378	0.77266	302.59982	109.05103	424.78874	45.07728	29.79255	65.49858	4.49E-09	2.47E-06	3.8E-07	1.39E-12	4.18E-12	3.3E-12	1.68E-15	4.06E-14	2.24E-15	4.45556E-14	5.611E-12	2.4671E-06	3.8E-07	1.41682E-12	6.80073E-15	7.0718E-13	1.13E-15
340	570870.6	4178319	0.55, 41783	0.93174	1.8881	0.81484	263.71888	150.69846	583.61	37.23183	42.82711	79.94464	4.73E-09	3.39E-06	4.64E-07	1.46E-12	4.41E-12	3.48E-12	1.77E-15	4.29E-14	2.37E-15	4.69964E-14	5.919E-12	3.3895E-06	4.64E-07	1.49443E-12	7.17328E-15	7.45919E-13	1.19E-15
341	570910.6	4178319	0.55, 41783	1.19482	3.5981	0.94641	225.26352	195.84246	582.08496	37.31993	59.22953	72.76062	5.5E-09	3.38E-06	4.23E-07	1.7E-12	5.13E-12	4.05E-12	2.06E-15	4.98E-14	2.75E-15	5.46049E-14	6.877E-12	3.3807E-06	4.23E-07	1.73638E-12	8.33461E-15	8.66681E-13	1.39E-15
342	571190.6	4178319	0.55, 41783	29.13102	9.74239	24.19825	1204.46355	192.4010	1781.17361	337.10397	86.14095	400.692	1.41E-07	1.03E-05	2.33E-06	4.34E-11	1.31E-10	1.03E-10	5.27E-14	1.27E-12	7.02E-14	1.39499E-12	1.757E-10	1.0344E-05	2.33E-06	4.43592E-11	2.12924E-13	2.21411E-11	3.54E-14
343	571230.6	4178319	0.55, 41783	10.45163	5.25398	11.58574	479.33008	117.37647	725.29291	126.19986	44.06446	185.38424	6.73E-08	4.21E-06	1.08E-06	2.08E-11	6.27E-11	4.95E-11	2.52E-14	6.09E-13	3.36E-14	6.67903E-13	8.412E-11	4.2123E-06	1.08E-06	2.12386E-11	1.01945E-13	1.06009E-11	1.7E-14
344	571270.6	4178319	0.55, 41783	5.72808	3.4301	6.64009	292.22118	96.9874	479.91721	63.79547	33.00222	105.59121	3.86E-08	2.79E-06	6.13E-07	1.19E-11	3.59E-11	2.84E-11	1.45E-14	3.49E-13	1.93E-14	3.82798E-13	4.821E-11	2.7873E-06	6.13E-07	1.21726E-11	5.84283E-14	6.07571E-12	9.72E-15
345	571310.6	4178319	0.55, 41783	3.67711	2.43151	4.23514	175.48484	83.52768	339.71763	43.52526	25.92364	69.01312	2.46E-08	1.97E-06	4.01E-07	7.59E-12	2.29E-11	1.81E-11	9.22E-15	2.23E-13	1.23E-14	2.44157E-13	3.075E-11	1.973E-06	4.01E-07	7.76394E-12	3.72669E-14	3.87523E-12	6.2E-15
346	571350.6	4178319	0.55, 41783	2.57847	1.81872	2.91777	135.74456	73.58424	245.66728	31.86463	21.08438	47.561	1.69E-08	1.43E-06	2.76E-07	5.23E-12	1.58E-11	1.25E-11	6.35E-15	1.53E-13	8.47E-15	1.68213E-13	2.118E-11	1.4268E-06	2.76E-07	5.34898E-12	2.56751E-14	2.66985E-12	4.27E-15
347	571390.6	4178319	0.55, 41783	1.91038	1.41202	2.12389	114.67965	65.84745	189.40245	24.95277	17.54375	35.6451	1.23E-08	1.1E-06	2.07E-07	3.81E-12	1.15E-11	9.08E-12	4.62E-15	1.12E-13	6.16E-15	1.22446E-13	1.542E-11	1.1001E-06	2.07E-07	3.89364E-12	1.86895E-14	1.94344E-12	3.11E-15
348	571430.6	4178319	0.55, 41783	1.47151	1.12853	1.61377	100.57901	59.61001	161.57422	20.18585	14.84739	27.57311	9.37E-09	9.38E-07	1.6E-07	2.89E-12	8.73E-12	6.9E-12	3.51E-15	8.48E-14	4.68E-15	9.30374E-14	1.172E-11	9.3843E-07	1.6E-07	2.95849E-12	1.42007E-14	1.47668E-12	2.36E-15
349	571470.6	4178319	0.55, 41783	1.16585	0.92218	1.2649	90.09229	54.43044	139.38169	16.69193	12.71837	21.87498	7.35E-09	8.1E-07	1.27E-07	2.27E-12	6.85E-12	5.41E-12	2.75E-15	6.65E-14	3.67E-15	7.29248E-14	9.184E-12	8.0954E-07	1.27E-07	2.31893E-12	1.11309E-14	1.15745E-12	1.85E-15
350	571510.6	4178319	0.55, 41783	0.94595	0.76805	1.01773	81.52103	50.05282	121.69	14.06823	11.00608	17.76049	5.91E-09	7.07E-07	1.03E-07	1.82E-12	5.51E-12	4.35E-12	2.22E-15	5.35E-14	2.95E-15	5.86752E-14	7.39E-12	7.0679E-07	1.03E-07	1.86581E-12	8.95588E-15	9.31284E-13	1.49E-15
351	571550.6	4178319	0.55, 41783	0.78212	0.64956	0.83556	74.38547	46.28731	107.35752	12.02264	9.59923	14.66288	4.85E-09	6.24E-07	8.52E-08	1.5E-12	4.52E-12	3.57E-12	1.82E-15	4.39E-14	2.42E-15	4.81728E-14	6.067E-12	6.2355E-07	8.52E-08	1.53184E-12	7.35285E-15	7.64592E-13	1.22E-15
352	571590.6	4178319	0.55, 41783	0.65442	0.55508	0.69496	68.29245	42.98116	95.34122	10.3334	8.40789	12.26582	4.04E-09	5.54E-07	7.12E-08	1.25E-12	3.76E-12	2.97E-12	1.51E-15	3.65E-14	2.02E-15	4.0067E-14	5.046E-12	5.5376E-07	7.12E-08	1.27409E-12	6.11562E-15	6.35937E-13	1.02E-15
353	570310.6	4178359	0.55, 41783	0.11229	0.07993	0.10794	69.29068	26.58817	75.81746	11.54845	4.0095	12.46153	6.27E-10	4.4E-07	7.24E-08	1.93E-13	5.84E-13	4.61E-13	2.35E-16	5.67E-15	3.13E-16	6.22306E-15	7.837E-13	4.4035E-07	7.24E-08	1.97887E-13	9.49856E-16	9.87716E-14	1.58E-16
354	570350.6	4178359	0.55, 41783	0.12531	0.09043	0.1201	75.30937	28.06345	82.61098	12.55156	4.25756	13.7685	6.98E-10	4.8E-07	8E-08	2.15E-13	6.5E-13	5.13E-13	2.61E-16	6.31E-15	3.49E-16	6.92414E-15	8.72E-13	4.7981E-07	8E-08	2.2018E-13	1.05687E-15	1.09899E-13	1.76E-16
355	570390.6	4178359	0.55, 41783	0.14084	0.10296	0.13441	81.29058	29.71471	90.82388	13.54843	4.53386	15.13731	7.81E-10	5.28E-07	8.79E-08	2.41E-13	7.27E-13	5.75E-13	2.93E-16	7.07E-15	3.9E-16	7.74919E-15	9.759E-13	5.2751E-07	8.79E-08	2.46416E-13	1.1828E-15	1.22994E-13	1.97E-16
356	570430.6	4178359	0.55, 41783	0.15989	0.11858	0.15186	87.11605	31.54887	98.44842	14.51934	4.83992	16.40807	8.82E-10	5.72E-07	9.53E-08	2.72E-13	8.22E-13	6.49E-13	3.31E-16	7.98E-15	4.41E-16	8.75527E-15	1.103E-12	5.7179E-07	9.53E-08	2.78408E-13	1.33636E-15	1.38962E-13	2.22E-16
357	570470.6	4178359	0.55, 41783	0.18374	0.13844	0.17326	97.3598	33.59814	106.34308	15.36354	5.1813	17.51553	1.01E-09	6.18E-07	1.02E-07	3.11E-13	9.38E-13	7.41E-13	3.77E-16	9.11E-15	5.03E-16	9.9891E-15	1.258E-12	6.1764E-07	1.02E-07	3.17643E-13	1.52469E-15	1.58546E-13	2.54E-16
358	570510.6	4178359	0.55, 41783	0.21432	0.16421	0.20002	118.04415	35.93263	125.3205	16.48105	5.5698	18.1537	1.16E-09	7.28E-07	1.05E-07	3.59E-13	1.08E-12	8.55E-13	4.35E-16	1.05E-14	5.8E-16	1.1532E-14	1.452E-12	7.2786E-07	1.05E-07	3.66705E-13	1.76018E-15	1.83034E-13	2.93E-16
359	570550.6	4178359	0.55, 41783	0.25472	0.19842	0.23435	139.50155	38.63371	157.96544	19.4148	6.01971	21.81117	1.36E-09	9.17E-07	1.27E-07	4.2E-13	1.27E-12	1E-12	5.1E-16	1.23E-14	6.8E-16	1.35113E-14	1.702E-12	9.1745E-07	1.27E-07	4.29646E-13	2.0623E-15	2.1445E-13	3.43E-16
360	570590.6	4178359	0.55, 41783	0.30979	0.24497	0.28017	159.83108	41.83842	190.36526	22.23989	6.84975	26.13545	1.63E-09	1.11E-06	1.52E-07	5.02E-13	1.52E-12	1.2E-12	6.1E-16	1.47E-14	8.13E-16	1.61532E-14	2.034E-12	1.1056E-06	1.52E-07	5.13654E-13	2.46554E-15	2.56381E-13	4.1E-16
361	570630.6	4178359	0.55, 41783	0.38734	0.31015	0.34391	206.43147	51.05257	211.21178	25.80393	8.50876	28.98998	2E-09	1.23E-06	1.68E-07	6.16E-13	1.86E-12	1.47E-12	7.49E-16	1.81E-14	9.98E-16	1.98283E-14	2.497E-12	1.2267E-06	1.68E-07	6.30518E-13	3.02648E-15	3.14711E-13	5.04E-16
362	570670.6	4178359	0.55, 41783	0.50063	0.40488	0.43681	262.98595	60.70684	312.78941	32.87324	10.74505	39.09868	2.54E-09	1.82E-06	2.27E-07	7.83E-13	2.36E-12	1.87E-12	9.51E-16	2.3E-14	1.27E-15	2.51846E-14	3.172E-12	1.8166E-06	2.27E-07	8.00844E-13	3.84405E-15	3.99727E-13	6.4E-16
363	570710.6	4178359	0.55, 41783	0.66972	0.54814	0.57453	304.17814	72.14807	380.66102	38.02227	15.71205	47.58263	3.34E-09	2.21E-06	2.76E-07	1.03E-12	3.11E-12	2.46E-12	1.25E-15	3.02E-14	1.67E-15	3.31252E-14	4.172E-12	2.2108E-06	2.76E-07	1.05335E-12	5.05606E-15	5.25759E-13	8.41E-16
364	570750.6	4178359	0.55, 41783	0.90523	0.76876	0.77041	339.35657	85.82023	445.46467	44.72327	21.31802	55.68308	4.48E-09	2.59E-06	3.23E-07	1.38E-12	4.17E-12	3.29E-12	1.68E-15	4.05E-14	2.24E-15	4.44194E-14	5.594E-12	2.5872E-06	3.23E-07	1.41249E-12	6.77995E-15	7.05019E-13	1.13E-15
365	570790.6	4178359	0.55, 41783	1.13154	1.06104	0.98839	377.53193	96.31599	507.3356	54.94081	27.90141	63.41695	5.74E-09	2.95E-06	3.68E-07	1.77E-12	5.35E-12	4.23E-12	2.15E-15	5.2E-14	2.87E-15	5.69885E-14	7.177E-12	2.9465E-06	3.68E-07	1.81217E-12	8.69842E-15	9.04513E-13	1.45E-15
366	570830.6	4178359	0.55, 41783	1.33226	1.74963	1.18947	411.58415	139.14147	649.42864	69.46909	37.35577	97.59965	6.91E-09	3.77E-06	5.67E-07	2.13E-12	6.44E-12	5.09E-12	2.59E-15	6.25E-14	3.45E-15	6.8589E-14	8.638E-12	3.7718E-06	5.67E-07	2.18106E-12	1.04691E-14	1.08863E-12	1.74E-15
367	570870.6	4178359	0.55, 41783	1.45984	3.38436	1.19217	346.78431	184.49712	847.26971	52.43952	61.49528	124.03925	6.93E-09	4.92E-06	7.2E-07	2.14E-12	6.46E-12	5.1E-12	2.6E-15	6.27E-14	3.46E-15	6.87681E-14	8.661E-12	4.9208E-06	7.2E-07	2.18675E-12	1.04964E-14	1.09148E-12	1.75E-15
368	571150.6	4178359	0.55, 41783	17.36196	17.82412	10.70274	1537.79423	258.8776	2153.28101	350.34789	128.93656	372.67701	6.22E-08	1.25E-05	2.16E-06	1.92E-11	5.79E-11	4.58E-11	2.33E-14	5.63E-13	3.11E-14	6.17196E-13	7.773E-11	1.2506E-05	2.16E-06	1.96262E-11	9.42055E-14	9.79604E-12	1.57E-14
369	571190.6	4178359	0.55, 41783	10.35157	8.16971	8.42586	590.93034	162.31709	1380.32388	161.82999	76.08872	218.22557	4.89E-08	8.02E-06	1.27E-06	1.51E-11	4.56E-11	3.6E-11	1.83E-14	4.43E-13	2.45E-14	4.85806E-13	6.118E-11	8.0164E-06	1.27E-06	1.54481E-11	7.41509E-14	7.71064E-12	1.23E-14
370	571230.6	4178359	0.55, 41783	6.41954	4.85697	6.11014	429.96716	118.18476	649.38165	103.83364	47.29307	136.54892	3.55E-08	3.77E-06	7.93E-07	1.1E-11	3.31E-11	2.61E-11	1.33E-14	3.21E-13	1.77E-14	3.52273E-13	4.437E-11	3.7715E-06	7.93E-07	1.12019E-11	5.37691E-14	5.59122E-12	8.95E-15
371	571270.6	4178359	0.55, 41783	4.24607	3.28764	4.46672	330.34534	97.41521	669.03251	71.25122	30.79427	101.30501	2.59E-08	3.89E-06	5.88E-07	8.01E-12	2.42E-11	1.91E-11	9.72E-15	2.35E-13	1.3E-14	2.57519E-13	3.243E-11	3.8856E-06	5.88E-07	8.18882E-12	3.93063E-14	4.0873E-12	6.54E-15
372	571310.6	4178359	0.55, 41783	3.01802	2.39332	3.29044	280.32399	84.30249	476.5001	47.38187	23.6076	69.83839	1.91E-08	2.77E-06	4.06E-07	5.9E-12	1.78E-11	1.41E-11	7.16E-15	1.73E-13	9.55E-15	1.89702E-13	2.389E-11	2.7674E-06	4.06E-07	6.03233E-12	2.89552E-14	3.01093E-12	4.82E-15
373	571350.6	4178359	0.55, 41783	2.25439	1.82521	2.47896	223.1696	75.03337	276.07803	32.74083	19.24184	47.29925	1.44E-08	1.6E-06	2.75E-07	4.44E-12	1.34E-11	1.06E-11	5.4E-15	1.3E-13	7.19E-15	1.42919E-13	1.8E-11	1.6034E-06	2.75E-07	4.54466E-12	2.18144E-14	2.26839E-12	3.63E-15
374	571390.6	4178359	0.55, 41783	1.7395	1.43625	1.90839	164.0034	68.00709	177.73654	25.39154	16.17569	38.72375	1.11E-08	1.03E-06	2.25E-07	3.42E-12	1.03E-11	8.16E-12	4.15E-15	1E-13	5.54E-15	1.10024E-13	1.386E-11	1.0323E-06	2.25E-07	3.49865E-12	1.67935E-14	1.74629E-12	2.79E-15
375	571430.6	4178359	0.55, 41783	1.37666	1.15767	1.50113	113.66708	62.41604	162.05892	21.33563	13.79366	30.03325	8.72E-09	9.41E-07	1.74E-07	2.69E-12	8.12E-12	6.42E-12	3.27E-15	7.89E-14	4.36E-15	8.6545E-14	1.09E-11	9.4125E-07	1.74E-07	2.75204E-12	1.32098E-14	1.37363E-12	2.2E-15
376	571470.6	4178359	0.55, 41783	1.11313	0.95193	1.20554	91.64258	57.80687	139.39839	17.74486	11.89568	22.85385	7E-09	8.1E-07	1.33E-07	2.16E-12	6.52E-12	5.15E-12	2.62E-15	6.34E-14	3.5E-15	6.95036E-14	8.753E-12	8.0964E-07	1.33E-07	2.21014E-12	1.06087E-14	1.10315E-12	1.77E-15
377	571510.6	4178359	0.55, 41783	0.9166	0.79605	0.98663	82.11168	53.90312	116.32041	14.64829	10.35284	20.08654	5.73E-09	6.76E-07	1.17E-07	1.77E-12	5.34E-12	4.22E-12	2.15E-15	5.19E-14	2.86E-15	5.68829E-14	7.164E-12	6.7561E-07	1.17E-07	1.80882E-12	8.68231E-15	9.02837E-13	1.44E-15
378	571550.6	4178359	0.55, 41783	0.76622	0.67498	0.82026	72.9064	50.52239	102.58687	12.13868	9.07968	17.28494	4.76E-09	5.96E-07	1E-07	1.47E-12	4.44E-12	3.51E-12	1.79E-15	4.31E-14	2.38E-15	4.72913E-14	5.956E-12	5.9585E-07	1E-07	1.50381E-12	7.21829E-15	7.506E-13	1.2E-15
379	571590.6	4178359	0.55, 41783	0.64386	0.57575	0.68602	65.94968	47.48497	92.44167	10.99161	8.00686	15.40694	3.98E-09	5.37E-07	8.95E-08	1.23E-12	3.71E-12	2.93E-12	1.49E-15	3.61E-14	1.99E-15	3.95519E-14	4.981E-12	5.3693E-07	8.95E-08	1.25771E-12	6.037E-15	6.27763E-13	1E-15
380	570310.6	4178399	0.55, 41783	0.11287	0.08031	0.1093	71.34226	27.87564	79.43468	11.89041	3.82503	13.23911	6.35E-10	4.61E-07	7.69E-08	1.96E-13	5.92E-13	4.67E-13	2.38E-16	5.75E-15	3.17E-16	6.30146E-15	7.936E-13	4.6136E-07	7.69E-08	2.0038E-13	9.61822E-16	1.00016E-13	1.6E-16
381	570350.6	4178399	0.55, 41783	0.12665	0.09175	0.12214	75.96419	29.57043	83.22909	12.46202	4.12173	13.80548	7.09E-10	4.83E-07	8.02E-08	2.19E-13	6.61E-13	5.22E-13	2.66E-16	6.42E-15	3.54E-16	7.04175E-15	8.868E-13	4.834E-07	8.02E-08	2.2392E-13	1.07482E-15	1.11766E-13	1.79E-16
382	570390.6	4178399	0.55, 41783	0.1425	0.10434	0.13672	83.29233	31.439	92.96873	13.04897	4.44958	14.404	7.94E-10	5.4E-07	8.37E-08	2.45E-13	7.4E-13	5.84E-13	2.98E-16	7.19E-15	3.97E-16	7.88236E-15	9.927E-13	5.3997E-07	8.37E-08	2.50651E-13	1.20312E-15	1.25108E-13	2E-16
383	570430.6	4178399	0.55, 41783	0.16211	0.12032	0.15453	91.32375	33.521	103.76057	14.59534	4.81492	15.65812	8.98E-10	6.03E-07	9.1E-08	2.77E-13	8.36E-13	6.61E-13	3.36E-16	8.12E-15	4.48E-16	8.9092E-15	1.122E-12	6.0264E-07	9.1E-08	2.83303E-13	1.35985E-15	1.41406E-13	2.26E-16
384	570470.6	4178399	0.55, 41783	0.18668	0.14051	0.17655	100.43451	35.89015	115.76296	16.57018	5.22899	18.35818	1.03E-09	6.72E-07	1.07E-07	3.16E-13	9.56E-13	7.55E-13	3.84E-16	9.28E-15	5.12E-16	1.01788E-14	1.282E-12	6.7235E-07	1.07E-07	3.23674E-13	1.55364E-15	1.61556E-13	2.58E-16
385	570510.6	4178399	0.55, 41783	0.21834	0.16684	0.20421	112.76596	38.62084	128.93318	18.79433	5.70408	21.48886	1.19E-09	7.49E-07	1.25E-07	3.66E-13	1.11E-12	8.73E-13	4.44E-16	1.07E-14	5.93E-16	1.17735E-14	1.483E-12	7.4884E-07	1.25E-07	3.74386E-13	1.79705E-15	1.86868E-13	2.99E-16
386	570550.6	4178399	0.55, 41783	0.26039	0.20212	0.2399	127.75395	41.82578	149.72954	21.29232	6.25899	24.96542	1.39E-09	8.7E-07	1.45E-07	4.3E-13	1.3E-12	1.03E-12	5.22E-16	1.26E-14	6.96E-16	1.38313E-14	1.742E-12	8.6999E-07	1.45E-07	4.39821E-13	2.11114E-15	2.19529E-13	3.51E-16
387	570590.6	4178399	0.55, 41783	0.3185	0.25095	0.28739	144.10526	45.67081	172.10131	24.01754	7.17597	28.68355	1.67E-09	1E-06	1.67E-07	5.15E-13	1.56E-12	1.23E-12	6.26E-16	1.51E-14	8.34E-16	1.65695E-14	2.087E-12	9.9955E-07	1.67E-07	5.26891E-13	2.52908E-15	2.62988E-13	4.21E-16
388	570630.6	4178399	0.55, 41783	0.40291	0.32135	0.35272	177.65061	50.39519	203.06539	27.05917	8.74903	32.05961	2.05E-09	1.18E-06	1.86E-07	6.32E-13	1.91E-12	1.51E-12	7.68E-16	1.85E-14	1.02E-15	2.03363E-14	2.561E-12	1.1794E-06	1.86E-07	6.46671E-13	3.10402E-15	3.22774E-13	5.16E-16
389	570670.6	4178399	0.55, 41783	0.53348	0.4284	0.44753	224.79663	56.41372	278.51402	32.60934	10.76331	39.25369	2.6E-09	1.62E-06	2.28E-07	8.02E-13	2.42E-12	1.91E-12	9.74E-16	2.35E-14	1.3E-15	2.58029E-14	3.25E-12	1.6176E-06	2.28E-07	8.20505E-13	3.93842E-15	4.0954E-13	6.55E-16
390	570710.6	4178399	0.55, 41783	0.75271	0.60288	0.59636	297.96202	70.92072	361.49768	41.13122	14.0152	50.83456	3.46E-09	2.1E-06	2.95E-07	1.07E-12	3.23E-12	2.55E-12	1.3E-15	3.14E-14	1.73E-15	3.43844E-14	4.33E-12	2.0995E-06	2.95E-07	1.09339E-12	5.24826E-15	5.45745E-13	8.73E-16
391	570750.6	4178399	0.55, 41783	1.15447	0.90762	0.85203	416.42427	90.04322	551.74774	52.05303	22.1169	68.96847	4.95E-09	3.2E-06	4.01E-07	1.53E-12	4.61E-12	3.64E-12	1.85E-15	4.48E-14	2.47E-15	4.91264E-14	6.187E-12	3.2044E-06	4.01E-07	1.56217E-12	7.4984E-15	7.79728E-13	1.25E-15
392	570790.6	4178399	0.55, 41783	1.70092	1.35462	1.23288	632.44551	121.09964	736.15706	79.05569	31.00919	92.01963	7.16E-09	4.28E-06	5.35E-07	2.21E-12	6.67E-12	5.27E-12	2.68E-15	6.48E-14	3.58E-15	7.10862E-14	8.953E-12	4.2754E-06	5.35E-07	2.26046E-12	1.08502E-14	1.12827E-12	1.81E-15
393	570830.6	4178399	0.55, 41783	3.46088	2.976	2.05541	854.46592	185.76652	929.26678	157.19416	64.23703	133.05669	1.19E-08	5.4E-06	7.73E-07	3.68E-12	1.11E-11	8.79E-12	4.47E-15	1.08E-13	5.97E-15	1.18523E-13	1.493E-11	5.397E-06	7.73E-07	3.76891E-12	1.80908E-14	1.88118E-12	3.01E-15
394	571110.6	4178399	0.55, 41783	4.7766	17.70794	5.53677	386.44752	237.89657	1139.86397	91.74551	117.26543	182.49582	3.22E-08	6.62E-06	1.06E-06	9.93E-12	3E-11	2.37E-11	1.21E-14	2.91E-13	1.61E-14	3.19403E-13	4.023E-11	6.6201E-06	1.06E-06	1.01567E-11	4.8752E-14	5.06952E-12	8.11E-15
395	571150.6	4178399	0.55, 41783	4.75682	9.04164	4.75414	493.27775	194.80319	977.82769	91.47407	80.27894	179.74579	2.76E-08	5.68E-06	1.04E-06	8.52E-12	2.57E-11	2.03E-11	1.04E-14	2.5E-13	1.38E-14	2.74169E-13	3.453E-11	5.679E-06	1.04E-06	8.71826E-12	4.18477E-14	4.35156E-12	6.96E-15
396	571190.6	4178399	0.55, 41783	4.13591	5.67532	3.9763	541.83424	159.29594	784.3481	82.25115	55.55038	130.43816	2.31E-08	4.56E-06	7.58E-07	7.13E-12	2.15E-11	1.7E-11	8.66E-15	2.09E-13	1.15E-14	2.29284E-13	2.888E-11	4.5553E-06	7.58E-07	7.291E-12	3.49968E-14	3.63917E-12	5.82E-15
397	571230.6	4178399	0.55, 41783	3.34043	3.91116	3.41587	419.25179	113.41297	723.05548	67.92735	42.50701	103.29364	1.98E-08	4.2E-06	6E-07	6.12E-12	1.85E-11	1.46E-11	7.44E-15	1.8E-13	9.91E-15	1.96954E-13	2.48E-11	4.1993E-06	6E-07	6.26294E-12	3.00621E-14	3.12603E-12	5E-15
398	571270.6	4178399	0.55, 41783	2.69096	2.84934	2.72459	276.99568	96.24025	620.23738	46.4546	32.10306	94.16047	1.58E-08	3.6E-06	5.47E-07	4.88E-12	1.47E-11	1.16E-11	5.93E-15	1.43E-13	7.91E-15	1.57092E-13	1.978E-11	3.6022E-06	5.47E-07	4.99537E-12	2.39778E-14	2.49335E-12	3.99E-15
399	571310.6	4178399	0.55, 41783	2.15304	2.16763	2.23142	240.01182	84.08056	257.12386	39.08125	24.00367	52.53394	1.3E-08	1.49E-06	3.05E-07	4E-12	1.21E-11	9.54E-12	4.86E-15	1.17E-13	6.48E-15	1.28655E-13	1.62E-11	1.4934E-06	3.05E-07	4.09109E-12	1.96372E-14	2.04199E-12	3.27E-15
400	571350.6	4178399	0.55, 41783	1.74135	1.70512	1.85867	224.12525	73.73672	326.22415	31.06226	18.34101	44.13622	1.08E-08	1.89E-06	2.56E-07	3.33E-12	1.01E-11	7.95E-12	4.05E-15	9.77E-14	5.39E-15	1.07162E-13	1.35E-11	1.8947E-06	2.56E-07	3.40764E-12	1.63567E-14	1.70086E-12	2.72E-15
401	571390.6	4178399	0.55, 41783	1.43215	1.37481	1.54866	207.21883	64.01827	312.56807	26.21992	15.02288	39.07101	9E-09	1.82E-06	2.27E-07	2.78E-12	8.38E-12	6.62E-12	3.37E-15	8.14E-14	4.49E-15	8.92878E-14	1.124E-11	1.8153E-06	2.27E-07	2.83926E-12	1.36284E-14	1.41716E-12	2.27E-15
402	571430.6	4178399	0.55, 41783	1.19016	1.12906	1.29293	179.9524	59.14274	244.73255	22.49405	12.88734	30.59157	7.51E-09	1.42E-06	1.78E-07	2.32E-12	7E-12	5.53E-12	2.81E-15	6.8E-14	3.75E-15	7.45435E-14	9.388E-12	1.4214E-06	1.78E-07	2.3704E-12	1.13779E-14	1.18314E-12	1.89E-15
403	571470.6	4178399	0.55, 41783	0.9966	0.93995	1.08271	146.8642	55.47011	170.50633	18.35802	11.23121	21.31329	6.29E-09	9.9E-07	1.24E-07	1.94E-12	5.86E-12	4.63E-12	2.36E-15	5.69E-14	3.14E-15	6.24232E-14	7.862E-12	9.903E-07	1.24E-07	1.98499E-12	9.52796E-15	9.90772E-13	1.59E-15
404	571510.6	4178399	0.55, 41783	0.8441	0.79417	0.91453	113.63796	52.27286	111.23462	14.20474	9.85599	18.36688	5.31E-09	6.46E-07	1.07E-07	1.64E-12	4.95E-12	3.91E-12	1.99E-15	4.81E-14	2.65E-15	5.27269E-14	6.64E-12	6.4608E-07	1.07E-07	1.67666E-12	8.04796E-15	8.36873E-13	1.34E-15
405	571550.6	4178399	0.55, 41783	0.71988	0.67749	0.77601	84.04695	49.45688	81.90115	12.59546	8.65245	16.41022	4.51E-09	4.76E-07	9.53E-08	1.39E-12	4.2E-12	3.32E-12	1.69E-15	4.08E-14	2.25E-15	4.47406E-14	5.635E-12	4.7572E-07	9.53E-08	1.4227E-12	6.82897E-15	7.10117E-13	1.14E-15
406	571590.6	4178399	0.55, 41783	0.61846	0.58359	0.66441	61.25343	46.95039	82.40366	11.31778	7.65227	14.12983	3.86E-09	4.79E-07	8.21E-08	1.19E-12	3.6E-12	2.84E-12	1.45E-15	3.49E-14	1.93E-15	3.83064E-14	4.824E-12	4.7863E-07	8.21E-08	1.2181E-12	5.84689E-15	6.07994E-13	9.73E-16
407	570310.6	4178439	0.55, 41784	0.11265	0.08111	0.10949	78.47962	27.91467	88.7071	13.07994	3.48933	14.78452	6.36E-10	5.15E-07	8.59E-08	1.96E-13	5.93E-13	4.68E-13	2.38E-16	5.76E-15	3.18E-16	6.31242E-15	7.95E-13	5.1521E-07	8.59E-08	2.00728E-13	9.63496E-16	1.0019E-13	1.6E-16
408	570350.6	4178439	0.55, 41784	0.12585	0.09139	0.12175	84.54471	29.62734	96.42477	14.09078	3.70342	16.0708	7.07E-10	5.6E-07	9.34E-08	2.18E-13	6.59E-13	5.2E-13	2.65E-16	6.4E-15	3.53E-16	7.01927E-15	8.84E-13	5.6003E-07	9.34E-08	2.23205E-13	1.07138E-15	1.11409E-13	1.78E-16
409	570390.6	4178439	0.55, 41784	0.14252	0.10489	0.13706	91.50908	31.67143	105.54781	15.25151	4.06451	17.5913	7.96E-10	6.13E-07	1.02E-07	2.46E-13	7.42E-13	5.86E-13	2.98E-16	7.21E-15	3.98E-16	7.90197E-15	9.952E-13	6.1302E-07	1.02E-07	2.51274E-13	1.20612E-15	1.25419E-13	2.01E-16
410	570430.6	4178439	0.55, 41784	0.16313	0.12204	0.15568	99.54775	33.93845	116.15512	16.59129	4.47421	19.35919	9.04E-10	6.75E-07	1.12E-07	2.79E-13	8.43E-13	6.66E-13	3.39E-16	8.18E-15	4.52E-16	8.97551E-15	1.13E-12	6.7463E-07	1.12E-07	2.85412E-13	1.36998E-15	1.42458E-13	2.28E-16
411	570470.6	4178439	0.55, 41784	0.18858	0.14267	0.1783	108.92524	36.54882	128.38607	18.15421	4.93599	21.39768	1.04E-09	7.46E-07	1.24E-07	3.2E-13	9.65E-13	7.62E-13	3.88E-16	9.37E-15	5.17E-16	1.02797E-14	1.295E-12	7.4566E-07	1.24E-07	3.26883E-13	1.56904E-15	1.63158E-13	2.61E-16
412	570510.6	4178439	0.55, 41784	0.22167	0.16966	0.20722	120.34611	39.98702	143.34164	20.05769	5.68986	23.89027	1.2E-09	8.33E-07	1.39E-07	3.71E-13	1.12E-12	8.86E-13	4.51E-16	1.09E-14	6.01E-16	1.19471E-14	1.505E-12	8.3252E-07	1.39E-07	3.79905E-13	1.82354E-15	1.89623E-13	3.03E-16
413	570550.6	4178439	0.55, 41784	0.2658	0.20594	0.24496	134.27176	44.24032	161.13607	22.37863	6.83821	26.85601	1.42E-09	9.36E-07	1.56E-07	4.39E-13	1.33E-12	1.05E-12	5.33E-16	1.29E-14	7.11E-16	1.4123E-14	1.779E-12	9.3587E-07	1.56E-07	4.49097E-13	2.15567E-15	2.24159E-13	3.59E-16
414	570590.6	4178439	0.55, 41784	0.3272	0.25654	0.29583	151.91315	49.32778	182.29969	25.31886	8.30482	30.38328	1.72E-09	1.06E-06	1.76E-07	5.3E-13	1.6E-12	1.26E-12	6.44E-16	1.56E-14	8.59E-16	1.7056E-14	2.148E-12	1.0588E-06	1.76E-07	5.42364E-13	2.60335E-15	2.70711E-13	4.33E-16
415	570630.6	4178439	0.55, 41784	0.41735	0.33056	0.3671	175.42083	55.6235	213.97884	29.2368	10.21264	34.63299	2.13E-09	1.24E-06	2.01E-07	6.58E-13	1.99E-12	1.57E-12	7.99E-16	1.93E-14	1.07E-15	2.11653E-14	2.666E-12	1.2428E-06	2.01E-07	6.73034E-13	3.23056E-15	3.35933E-13	5.37E-16
416	570670.6	4178439	0.55, 41784	0.56024	0.44648	0.47194	208.37177	63.80907	268.23017	34.72863	12.75328	41.38807	2.74E-09	1.56E-06	2.4E-07	8.46E-13	2.55E-12	2.02E-12	1.03E-15	2.48E-14	1.37E-15	2.72102E-14	3.427E-12	1.5578E-06	2.4E-07	8.65256E-13	4.15323E-15	4.31877E-13	6.91E-16
417	570710.6	4178439	0.55, 41784	0.81434	0.64609	0.63688	258.28683	75.2647	339.8113	43.04781	16.40047	56.02404	3.7E-09	1.97E-06	3.25E-07	1.14E-12	3.45E-12	2.72E-12	1.39E-15	3.35E-14	1.85E-15	3.67208E-14	4.625E-12	1.9736E-06	3.25E-07	1.16768E-12	5.60487E-15	5.82827E-13	9.33E-16
418	570750.6	4178439	0.55, 41784	1.35572	1.03003	0.91926	343.9155	93.10334	457.76974	57.16949	22.25077	76.29496	5.34E-09	2.66E-06	4.43E-07	1.65E-12	4.98E-12	3.93E-12	2E-15	4.83E-14	2.67E-15	5.30037E-14	6.675E-12	2.6586E-06	4.43E-07	1.68546E-12	8.09021E-15	8.41267E-13	1.35E-15
419	570790.6	4178439	0.55, 41784	3.18264	2.0617	1.49283	571.47263	129.70009	738.76969	95.66015	38.79176	110.20608	8.67E-09	4.29E-06	6.4E-07	2.68E-12	8.08E-12	6.38E-12	3.25E-15	7.85E-14	4.33E-15	8.60823E-14	1.084E-11	4.2906E-06	6.4E-07	2.73732E-12	1.31392E-14	1.36629E-12	2.19E-15
420	571070.6	4178439	0.55, 41784	4.74443	12.25677	5.33303	251.71558	235.3671	557.08631	48.15254	87.29167	78.37734	3.1E-08	3.24E-06	4.55E-07	9.56E-12	2.89E-11	2.28E-11	1.16E-14	2.8E-13	1.55E-14	3.07582E-13	3.874E-11	3.2356E-06	4.55E-07	9.78077E-12	4.69477E-14	4.8819E-12	7.81E-15
421	571110.6	4178439	0.55, 41784	3.89854	10.39914	4.234	292.37938	213.76959	730.76501	54.55193	96.69541	95.26587	2.46E-08	4.24E-06	5.53E-07	7.59E-12	2.29E-11	1.81E-11	9.22E-15	2.23E-13	1.23E-14	2.44205E-13	3.076E-11	4.2442E-06	5.53E-07	7.76546E-12	3.72742E-14	3.87599E-12	6.2E-15
422	571150.6	4178439	0.55, 41784	3.24566	6.14355	3.38328	299.25996	151.74182	537.6659	53.26943	58.88405	104.89405	1.97E-08	3.12E-06	6.09E-07	6.07E-12	1.83E-11	1.45E-11	7.37E-15	1.78E-13	9.82E-15	1.95107E-13	2.457E-11	3.1227E-06	6.09E-07	6.20421E-12	2.97802E-14	3.09672E-12	4.95E-15
423	571190.6	4178439	0.55, 41784	2.68652	4.20662	2.81661	319.22111	114.25705	663.08885	45.60302	42.68486	97.00809	1.64E-08	3.85E-06	5.63E-07	5.05E-12	1.52E-11	1.2E-11	6.13E-15	1.48E-13	8.18E-15	1.62416E-13	2.045E-11	3.851E-06	5.63E-07	5.16464E-12	2.47903E-14	2.57784E-12	4.12E-15
424	571230.6	4178439	0.55, 41784	2.2851	3.10379	2.38014	355.31137	114.374	594.35462	48.25343	33.87475	78.4876	1.38E-08	3.45E-06	4.56E-07	4.27E-12	1.29E-11	1.02E-11	5.18E-15	1.25E-13	6.91E-15	1.37241E-13	1.728E-11	3.4519E-06	4.56E-07	4.36411E-12	2.09477E-14	2.17827E-12	3.49E-15
425	571270.6	4178439	0.55, 41784	1.91581	2.39067	2.08735	281.61312	92.35093	457.23387	43.32371	28.45229	65.31912	1.21E-08	2.66E-06	3.79E-07	3.74E-12	1.13E-11	8.92E-12	4.54E-15	1.1E-13	6.06E-15	1.20354E-13	1.516E-11	2.6555E-06	3.79E-07	3.82711E-12	1.83701E-14	1.91023E-12	3.06E-15
426	571310.6	4178439	0.55, 41784	1.62017	1.88774	1.73959	249.98498	75.512	443.82502	38.72011	23.46838	65.04063	1.01E-08	2.58E-06	3.78E-07	3.12E-12	9.42E-12	7.44E-12	3.79E-15	9.15E-14	5.05E-15	1.00301E-13	1.263E-11	2.5776E-06	3.78E-07	3.18946E-12	1.53094E-14	1.59196E-12	2.55E-15
427	571350.6	4178439	0.55, 41784	1.36969	1.52492	1.4607	207.90528	71.02603	289.54604	31.99215	18.96422	43.80183	8.49E-09	1.68E-06	2.54E-07	2.62E-12	7.91E-12	6.24E-12	3.18E-15	7.68E-14	4.24E-15	8.42198E-14	1.061E-11	1.6816E-06	2.54E-07	2.6781E-12	1.28549E-14	1.33672E-12	2.14E-15
428	571390.6	4178439	0.55, 41784	1.16602	1.25794	1.25769	137.82846	66.02867	157.99714	21.56098	15.29437	27.7078	7.31E-09	9.18E-07	1.61E-07	2.25E-12	6.81E-12	5.38E-12	2.74E-15	6.61E-14	3.65E-15	7.2514E-14	9.132E-12	9.1767E-07	1.61E-07	2.30587E-12	1.10682E-14	1.15093E-12	1.84E-15
429	571430.6	4178439	0.55, 41784	1.00225	1.05165	1.08939	150.81052	60.59063	188.78292	19.07395	12.70811	25.02004	6.33E-09	1.1E-06	1.45E-07	1.95E-12	5.9E-12	4.66E-12	2.37E-15	5.73E-14	3.16E-15	6.28098E-14	7.91E-12	1.0965E-06	1.45E-07	1.99729E-12	9.58697E-15	9.96909E-13	1.6E-15
430	571470.6	4178439	0.55, 41784	0.86528	0.88825	0.94207	153.64691	54.59461	206.40776	19.20586	10.6849	25.80097	5.47E-09	1.2E-06	1.5E-07	1.69E-12	5.1E-12	4.03E-12	2.05E-15	4.95E-14	2.73E-15	5.43157E-14	6.841E-12	1.1988E-06	1.5E-07	1.72718E-12	8.29046E-15	8.62091E-13	1.38E-15
431	571510.6	4178439	0.55, 41784	0.75493	0.76151	0.82291	144.52703	49.13224	189.90829	18.06588	9.74189	23.73854	4.78E-09	1.1E-06	1.38E-07	1.48E-12	4.45E-12	3.52E-12	1.79E-15	4.33E-14	2.39E-15	4.74452E-14	5.975E-12	1.103E-06	1.38E-07	1.50871E-12	7.24179E-15	7.53044E-13	1.2E-15
432	571550.6	4178439	0.55, 41784	0.65913	0.65716	0.71761	127.58758	46.59598	156.05984	15.94845	8.8858	19.50748	4.17E-09	9.06E-07	1.13E-07	1.29E-12	3.88E-12	3.07E-12	1.56E-15	3.77E-14	2.08E-15	4.1374E-14	5.211E-12	9.0639E-07	1.13E-07	1.31565E-12	6.31511E-15	6.56682E-13	1.05E-15
433	571590.6	4178439	0.55, 41784	0.57626	0.57045	0.62441	106.82976	44.35137	118.44703	13.35372	8.08009	14.80588	3.63E-09	6.88E-07	8.6E-08	1.12E-12	3.38E-12	2.67E-12	1.36E-15	3.28E-14	1.81E-15	3.60005E-14	4.534E-12	6.8795E-07	8.6E-08	1.14478E-12	5.49493E-15	5.71395E-13	9.14E-16
434	570310.6	4178479	0.55, 41784	0.1113	0.08183	0.10709	74.58423	29.47815	84.27127	11.80727	4.00274	12.56763	6.22E-10	4.89E-07	7.3E-08	1.92E-13	5.8E-13	4.58E-13	2.33E-16	5.63E-15	3.11E-16	6.17409E-15	7.776E-13	4.8945E-07	7.3E-08	1.96329E-13	9.42382E-16	9.79943E-14	1.57E-16
435	570350.6	4178479	0.55, 41784	0.12561	0.09388	0.12027	80.0812	31.76761	91.05741	12.83362	4.33491	13.82729	6.99E-10	5.29E-07	8.03E-08	2.16E-13	6.51E-13	5.14E-13	2.62E-16	6.32E-15	3.49E-16	6.93399E-15	8.733E-13	5.2887E-07	8.03E-08	2.20493E-13	1.05837E-15	1.10055E-13	1.76E-16
436	570390.6	4178479	0.55, 41784	0.14146	0.10678	0.13471	86.10528	34.01158	98.86723	14.01299	4.67053	15.28263	7.82E-10	5.74E-07	8.88E-08	2.41E-13	7.29E-13	5.76E-13	2.93E-16	7.08E-15	3.91E-16	7.76653E-15	9.781E-13	5.7423E-07	8.88E-08	2.46967E-13	1.18544E-15	1.23269E-13	1.97E-16
437	570430.6	4178479	0.55, 41784	0.16075	0.12266	0.15218	93.00088	36.36689	108.11431	15.32204	5.02469	17.00047	8.84E-10	6.28E-07	9.88E-08	2.73E-13	8.24E-13	6.51E-13	3.31E-16	8E-15	4.42E-16	8.77378E-15	1.105E-12	6.2793E-07	9.88E-08	2.78997E-13	1.33918E-15	1.39256E-13	2.23E-16
438	570470.6	4178479	0.55, 41784	0.18644	0.14379	0.17515	101.96042	39.51551	120.09702	16.93263	5.48718	19.18544	1.02E-09	6.98E-07	1.11E-07	3.14E-13	9.48E-13	7.49E-13	3.81E-16	9.21E-15	5.08E-16	1.00981E-14	1.272E-12	6.9753E-07	1.11E-07	3.2111E-13	1.54133E-15	1.60276E-13	2.56E-16
439	570510.6	4178479	0.55, 41784	0.22079	0.17209	0.20548	113.44919	43.50567	135.70428	18.9082	6.17272	22.02345	1.19E-09	7.88E-07	1.28E-07	3.68E-13	1.11E-12	8.78E-13	4.47E-16	1.08E-14	5.96E-16	1.18468E-14	1.492E-12	7.8817E-07	1.28E-07	3.76716E-13	1.80824E-15	1.88031E-13	3.01E-16
440	570550.6	4178479	0.55, 41784	0.2667	0.21004	0.24533	127.7059	48.20733	155.63974	21.28432	7.34053	25.62853	1.43E-09	9.04E-07	1.49E-07	4.4E-13	1.33E-12	1.05E-12	5.34E-16	1.29E-14	7.12E-16	1.41444E-14	1.781E-12	9.0395E-07	1.49E-07	4.49777E-13	2.15893E-15	2.24498E-13	3.59E-16
441	570590.6	4178479	0.55, 41784	0.32931	0.26248	0.29831	144.67878	53.44745	182.17951	24.11313	8.81975	30.24215	1.73E-09	1.06E-06	1.76E-07	5.35E-13	1.61E-12	1.28E-12	6.49E-16	1.57E-14	8.66E-16	1.71991E-14	2.166E-12	1.0581E-06	1.76E-07	5.46912E-13	2.62518E-15	2.72981E-13	4.37E-16
442	570630.6	4178479	0.55, 41784	0.42133	0.33962	0.37314	165.95931	60.05375	219.0797	27.65989	10.77683	36.51328	2.17E-09	1.27E-06	2.12E-07	6.69E-13	2.02E-12	1.6E-12	8.12E-16	1.96E-14	1.08E-15	2.15136E-14	2.709E-12	1.2724E-06	2.12E-07	6.84109E-13	3.28372E-15	3.41461E-13	5.46E-16
443	570670.6	4178479	0.55, 41784	0.56746	0.46145	0.48445	193.36004	69.0612	272.47405	32.22667	13.5092	45.41234	2.81E-09	1.58E-06	2.64E-07	8.68E-13	2.62E-12	2.07E-12	1.05E-15	2.55E-14	1.41E-15	2.79315E-14	3.518E-12	1.5825E-06	2.64E-07	8.88193E-13	4.26333E-15	4.43326E-13	7.09E-16
444	570710.6	4178479	0.55, 41784	0.83023	0.67528	0.66195	236.53606	81.84268	352.22256	39.07222	17.68943	58.70376	3.85E-09	2.05E-06	3.41E-07	1.19E-12	3.58E-12	2.83E-12	1.44E-15	3.48E-14	1.92E-15	3.81662E-14	4.807E-12	2.0457E-06	3.41E-07	1.21365E-12	5.8255E-15	6.05769E-13	9.69E-16
445	570750.6	4178479	0.55, 41784	1.42426	1.12918	0.97629	342.03514	102.90165	482.1747	49.67165	25.1054	80.36245	5.67E-09	2.8E-06	4.67E-07	1.75E-12	5.28E-12	4.17E-12	2.13E-15	5.13E-14	2.83E-15	5.62925E-14	7.089E-12	2.8004E-06	4.67E-07	1.79004E-12	8.59219E-15	8.93466E-13	1.43E-15
446	570790.6	4178479	0.55, 41784	3.63047	2.75084	1.62936	596.75244	187.47347	722.34167	107.7468	51.23422	120.39028	9.47E-09	4.2E-06	6.99E-07	2.92E-12	8.82E-12	6.97E-12	3.55E-15	8.57E-14	4.73E-15	9.39625E-14	1.183E-11	4.1953E-06	6.99E-07	2.98791E-12	1.4342E-14	1.49136E-12	2.39E-15
447	571030.6	4178479	0.55, 41784	9.40071	15.68167	11.18665	333.68631	267.08575	756.18793	81.11776	110.69164	178.64972	6.5E-08	4.39E-06	1.04E-06	2.01E-11	6.06E-11	4.78E-11	2.44E-14	5.88E-13	3.25E-14	6.45045E-13	8.124E-11	4.3919E-06	1.04E-06	2.05117E-11	9.84564E-14	1.02381E-11	1.64E-14
448	571070.6	4178479	0.55, 41784	5.59712	9.0131	6.53916	216.22006	204.77885	522.16381	54.58514	76.29745	101.00005	3.8E-08	3.03E-06	5.87E-07	1.17E-11	3.54E-11	2.8E-11	1.42E-14	3.44E-13	1.9E-14	3.77059E-13	4.749E-11	3.0327E-06	5.87E-07	1.19901E-11	5.75524E-14	5.98463E-12	9.58E-15
449	571110.6	4178479	0.55, 41784	3.86033	5.8724	4.45436	232.77263	158.88759	526.3096	40.87392	60.11848	68.10823	2.59E-08	3.06E-06	3.96E-07	7.99E-12	2.41E-11	1.9E-11	9.7E-15	2.34E-13	1.29E-14	2.56842E-13	3.235E-11	3.0568E-06	3.96E-07	8.16731E-12	3.92031E-14	4.07657E-12	6.52E-15
450	571150.6	4178479	0.55, 41784	2.87873	4.17215	3.24074	243.47288	131.88403	510.79766	36.94401	47.80365	68.59206	1.88E-08	2.97E-06	3.98E-07	5.81E-12	1.75E-11	1.39E-11	7.05E-15	1.7E-13	9.41E-15	1.86863E-13	2.353E-11	2.9666E-06	3.98E-07	5.94203E-12	2.85218E-14	2.96586E-12	4.75E-15
451	571190.6	4178479	0.55, 41784	2.25924	3.11768	2.54212	272.99859	103.34976	495.79992	40.61499	35.56429	82.63332	1.48E-08	2.88E-06	4.8E-07	4.56E-12	1.38E-11	1.09E-11	5.53E-15	1.34E-13	7.38E-15	1.46578E-13	1.846E-11	2.8795E-06	4.8E-07	4.66101E-12	2.23729E-14	2.32646E-12	3.72E-15
452	571230.6	4178479	0.55, 41784	1.86428	2.43731	2.04705	228.60917	88.43023	428.91859	34.9281	28.65964	53.61482	1.19E-08	2.49E-06	3.11E-07	3.67E-12	1.11E-11	8.75E-12	4.46E-15	1.08E-13	5.94E-15	1.18031E-13	1.486E-11	2.4911E-06	3.11E-07	3.75326E-12	1.80157E-14	1.87337E-12	3E-15
453	571270.6	4178479	0.55, 41784	1.58233	1.95726	1.72288	275.18297	89.4878	451.79055	39.56066	24.38596	62.99097	1E-08	2.62E-06	3.66E-07	3.09E-12	9.33E-12	7.37E-12	3.75E-15	9.06E-14	5E-15	9.93385E-14	1.251E-11	2.6239E-06	3.66E-07	3.15886E-12	1.51625E-14	1.57669E-12	2.52E-15
454	571310.6	4178479	0.55, 41784	1.35793	1.6065	1.5101	222.77943	77.47813	328.49847	32.82803	21.05024	46.46168	8.77E-09	1.91E-06	2.7E-07	2.71E-12	8.17E-12	6.46E-12	3.29E-15	7.94E-14	4.38E-15	8.70684E-14	1.097E-11	1.9079E-06	2.7E-07	2.76868E-12	1.32897E-14	1.38194E-12	2.21E-15
455	571350.6	4178479	0.55, 41784	1.1642	1.33076	1.27594	210.30644	64.61424	297.95893	30.9494	18.13628	42.55235	7.41E-09	1.73E-06	2.47E-07	2.29E-12	6.91E-12	5.46E-12	2.78E-15	6.71E-14	3.7E-15	7.3567E-14	9.265E-12	1.7305E-06	2.47E-07	2.33935E-12	1.12289E-14	1.16764E-12	1.87E-15
456	571390.6	4178479	0.55, 41784	1.001	1.11694	1.07653	187.8278	60.73144	278.37154	27.7002	15.35336	39.86006	6.25E-09	1.62E-06	2.32E-07	1.93E-12	5.83E-12	4.6E-12	2.34E-15	5.66E-14	3.12E-15	6.20695E-14	7.817E-12	1.6167E-06	2.32E-07	1.97374E-12	9.47397E-15	9.85158E-13	1.58E-15
457	571430.6	4178479	0.55, 41784	0.8626	0.94616	0.9271	141.00765	57.76687	153.44465	20.99683	12.7525	23.01436	5.39E-09	8.91E-07	1.34E-07	1.66E-12	5.02E-12	3.96E-12	2.02E-15	4.87E-14	2.69E-15	5.34536E-14	6.732E-12	8.9122E-07	1.34E-07	1.69977E-12	8.15888E-15	8.48408E-13	1.36E-15
458	571470.6	4178479	0.55, 41784	0.75511	0.81334	0.81471	85.41876	54.87579	110.14274	13.60469	11.10539	17.11986	4.73E-09	6.4E-07	9.94E-08	1.46E-12	4.41E-12	3.48E-12	1.77E-15	4.28E-14	2.36E-15	4.69733E-14	5.916E-12	6.3974E-07	9.94E-08	1.4937E-12	7.16976E-15	7.45553E-13	1.19E-15
459	571510.6	4178479	0.55, 41784	0.666	0.70453	0.71826	104.54177	51.61661	121.24791	13.06772	9.4895	15.99878	4.17E-09	7.04E-07	9.29E-08	1.29E-12	3.89E-12	3.07E-12	1.56E-15	3.78E-14	2.08E-15	4.14122E-14	5.215E-12	7.0423E-07	9.29E-08	1.31686E-12	6.32094E-15	6.57288E-13	1.05E-15
460	571550.6	4178479	0.55, 41784	0.58993	0.61436	0.63446	114.23468	47.78612	141.81512	14.27934	8.47335	17.72689	3.69E-09	8.24E-07	1.03E-07	1.14E-12	3.43E-12	2.71E-12	1.38E-15	3.34E-14	1.84E-15	3.65805E-14	4.607E-12	8.2367E-07	1.03E-07	1.16322E-12	5.58345E-15	5.806E-13	9.29E-16
461	571590.6	4178479	0.55, 41784	0.5248	0.5396	0.56365	114.71837	43.31659	143.69009	14.3398	7.89274	17.96126	3.27E-09	8.35E-07	1.04E-07	1.01E-12	3.05E-12	2.41E-12	1.23E-15	2.96E-14	1.64E-15	3.24977E-14	4.093E-12	8.3455E-07	1.04E-07	1.03339E-12	4.96029E-15	5.15799E-13	8.25E-16
462	570310.6	4178519	0.55, 41785	0.10968	0.08323	0.10459	75.92481	30.95134	85.20389	12.65413	4.31611	14.20065	6.08E-10	4.95E-07	8.25E-08	1.87E-13	5.66E-13	4.47E-13	2.28E-16	5.5E-15	3.04E-16	6.03001E-15	7.594E-13	4.9487E-07	8.25E-08	1.91748E-13	9.20389E-16	9.57074E-14	1.53E-16
463	570350.6	4178519	0.55, 41785	0.12253	0.09413	0.11632	80.98331	32.52203	91.70345	13.49722	4.56123	15.28391	6.76E-10	5.33E-07	8.88E-08	2.08E-13	6.3E-13	4.97E-13	2.53E-16	6.12E-15	3.38E-16	6.70631E-15	8.446E-13	5.3262E-07	8.88E-08	2.13253E-13	1.02362E-15	1.06442E-13	1.7E-16
464	570390.6	4178519	0.55, 41785	0.13706	0.10653	0.12954	86.4192	34.09518	99.00991	14.4032	4.78567	16.50165	7.52E-10	5.75E-07	9.59E-08	2.32E-13	7.01E-13	5.54E-13	2.82E-16	6.81E-15	3.76E-16	7.46852E-15	9.406E-13	5.7505E-07	9.59E-08	2.37491E-13	1.13996E-15	1.18539E-13	1.9E-16
465	570430.6	4178519	0.55, 41785	0.15657	0.12308	0.14711	93.48729	36.56809	108.68156	15.58121	5.11226	18.11359	8.55E-10	6.31E-07	1.05E-07	2.64E-13	7.96E-13	6.29E-13	3.2E-16	7.73E-15	4.27E-16	8.48154E-15	1.068E-12	6.3123E-07	1.05E-07	2.69704E-13	1.29458E-15	1.34618E-13	2.15E-16
466	570470.6	4178519	0.55, 41785	0.18113	0.14422	0.16907	101.65142	39.2669	120.52836	16.9419	5.47129	20.08806	9.82E-10	7E-07	1.17E-07	3.03E-13	9.15E-13	7.23E-13	3.68E-16	8.89E-15	4.91E-16	9.74767E-15	1.228E-12	7.0003E-07	1.17E-07	3.09965E-13	1.48783E-15	1.54714E-13	2.48E-16
467	570510.6	4178519	0.55, 41785	0.21556	0.17373	0.19928	112.42418	43.21366	137.68321	18.73736	6.23491	22.9472	1.16E-09	8E-07	1.33E-07	3.57E-13	1.08E-12	8.52E-13	4.34E-16	1.05E-14	5.78E-16	1.14895E-14	1.447E-12	7.9966E-07	1.33E-07	3.65353E-13	1.75369E-15	1.82359E-13	2.92E-16
468	570550.6	4178519	0.55, 41785	0.26244	0.21401	0.23948	127.39838	48.06291	159.66591	20.89373	7.26318	26.61098	1.39E-09	9.27E-07	1.55E-07	4.29E-13	1.3E-12	1.02E-12	5.21E-16	1.26E-14	6.95E-16	1.38073E-14	1.739E-12	9.2734E-07	1.55E-07	4.39057E-13	2.10747E-15	2.19147E-13	3.51E-16
469	570590.6	4178519	0.55, 41785	0.32438	0.26815	0.29055	146.74921	52.55391	186.84388	23.05175	8.49659	31.14065	1.69E-09	1.09E-06	1.81E-07	5.21E-13	1.57E-12	1.24E-12	6.32E-16	1.53E-14	8.43E-16	1.67519E-14	2.11E-12	1.0852E-06	1.81E-07	5.32691E-13	2.55692E-15	2.65883E-13	4.25E-16
470	570630.6	4178519	0.55, 41785	0.41604	0.34788	0.36203	170.82398	60.03664	221.85088	25.41079	10.076	36.97515	2.1E-09	1.29E-06	2.15E-07	6.49E-13	1.96E-12	1.55E-12	7.88E-16	1.9E-14	1.05E-15	2.08733E-14	2.629E-12	1.2885E-06	2.15E-07	6.63749E-13	3.18599E-15	3.31298E-13	5.3E-16
471	570670.6	4178519	0.55, 41785	0.56352	0.47347	0.46761	210.6175	71.54419	266.74609	27.95974	12.2085	44.45768	2.72E-09	1.55E-06	2.58E-07	8.38E-13	2.53E-12	2E-12	1.02E-15	2.46E-14	1.36E-15	2.6961E-14	3.395E-12	1.5492E-06	2.58E-07	8.57332E-13	4.11519E-15	4.27922E-13	6.85E-16
472	570710.6	4178519	0.55, 41785	0.82936	0.69158	0.6351	257.30872	94.91316	337.8148	32.16359	16.3308	53.60133	3.69E-09	1.96E-06	3.11E-07	1.14E-12	3.44E-12	2.72E-12	1.38E-15	3.34E-14	1.84E-15	3.66188E-14	4.612E-12	1.962E-06	3.11E-07	1.16444E-12	5.58931E-15	5.81209E-13	9.3E-16
473	570750.6	4178519	0.55, 41785	1.36529	1.13262	0.93188	327.60111	130.96882	473.41526	45.80096	29.91109	62.68561	5.41E-09	2.75E-06	3.64E-07	1.67E-12	5.04E-12	3.98E-12	2.03E-15	4.9E-14	2.7E-15	5.37326E-14	6.767E-12	2.7496E-06	3.64E-07	1.70864E-12	8.20146E-15	8.52836E-13	1.36E-15
474	570790.6	4178519	0.55, 41785	2.09469	1.90095	1.39282	339.24086	174.34023	730.67406	59.4987	49.70987	91.33426	8.09E-09	4.24E-06	5.31E-07	2.5E-12	7.54E-12	5.95E-12	3.03E-15	7.32E-14	4.04E-15	8.02825E-14	1.011E-11	4.2436E-06	5.31E-07	2.5529E-12	1.22539E-14	1.27423E-12	2.04E-15
475	570990.6	4178519	0.55, 41785	30.9381	16.28557	11.79039	1645.60932	278.46944	1244.70182	444.29015	131.46412	279.7997	6.85E-08	7.23E-06	1.63E-06	2.11E-11	6.38E-11	5.04E-11	2.57E-14	6.2E-13	3.42E-14	6.79888E-13	8.562E-11	7.2292E-06	1.63E-06	2.16197E-11	1.03775E-13	1.07911E-11	1.73E-14
476	571030.6	4178519	0.55, 41785	10.39533	8.05295	7.62595	575.07494	188.36146	999.69988	130.51861	75.45666	173.23921	4.43E-08	5.81E-06	1.01E-06	1.37E-11	4.13E-11	3.26E-11	1.66E-14	4.01E-13	2.21E-14	4.39697E-13	5.538E-11	5.806E-06	1.01E-06	1.39819E-11	6.71131E-14	6.97881E-12	1.12E-14
477	571070.6	4178519	0.55, 41785	5.62777	5.38206	5.21191	327.13066	151.27996	542.64793	61.45445	56.79768	91.26612	3.03E-08	3.15E-06	5.3E-07	9.34E-12	2.82E-11	2.23E-11	1.13E-14	2.74E-13	1.51E-14	3.00504E-13	3.785E-11	3.1516E-06	5.3E-07	9.55571E-12	4.58674E-14	4.76956E-12	7.63E-15
478	571110.6	4178519	0.55, 41785	3.70135	3.92679	3.70614	194.51307	130.68512	402.95521	41.68788	44.49195	69.09918	2.15E-08	2.34E-06	4.01E-07	6.64E-12	2.01E-11	1.58E-11	8.07E-15	1.95E-13	1.08E-14	2.13687E-13	2.691E-11	2.3403E-06	4.01E-07	6.795E-12	3.2616E-14	3.3916E-12	5.43E-15
479	571150.6	4178519	0.55, 41785	2.69329	3.00723	2.77155	208.02281	103.35416	440.08145	30.40761	37.50867	55.01018	1.61E-08	2.56E-06	3.2E-07	4.97E-12	1.5E-11	1.18E-11	6.03E-15	1.46E-13	8.04E-15	1.59801E-13	2.013E-11	2.5559E-06	3.2E-07	5.08151E-12	2.43913E-14	2.53634E-12	4.06E-15
480	571190.6	4178519	0.55, 41785	2.08526	2.38411	2.19601	205.94825	100.14217	330.97092	32.90062	31.32752	44.74048	1.28E-08	1.92E-06	2.6E-07	3.94E-12	1.19E-11	9.39E-12	4.78E-15	1.15E-13	6.37E-15	1.26617E-13	1.595E-11	1.9223E-06	2.6E-07	4.02628E-12	1.93262E-14	2.00965E-12	3.22E-15
481	571230.6	4178519	0.55, 41785	1.66362	1.91731	1.76389	215.41751	83.66277	360.55042	30.77393	25.17962	52.13444	1.02E-08	2.09E-06	3.03E-07	3.16E-12	9.55E-12	7.54E-12	3.84E-15	9.27E-14	5.12E-15	1.01702E-13	1.281E-11	2.094E-06	3.03E-07	3.23401E-12	1.55233E-14	1.6142E-12	2.58E-15
482	571270.6	4178519	0.55, 41785	1.38104	1.58176	1.44385	194.90891	74.63088	227.07234	31.16799	21.56574	34.54332	8.39E-09	1.32E-06	2.01E-07	2.59E-12	7.81E-12	6.17E-12	3.14E-15	7.59E-14	4.19E-15	8.32493E-14	1.048E-11	1.3188E-06	2.01E-07	2.64724E-12	1.27067E-14	1.32132E-12	2.11E-15
483	571310.6	4178519	0.55, 41785	1.18628	1.33473	1.24995	227.7435	74.01926	353.91479	34.0231	18.88588	51.12416	7.26E-09	2.06E-06	2.97E-07	2.24E-12	6.77E-12	5.34E-12	2.72E-15	6.57E-14	3.63E-15	7.2069E-14	9.076E-12	2.0555E-06	2.97E-07	2.29172E-12	1.10002E-14	1.14387E-12	1.83E-15
484	571350.6	4178519	0.55, 41785	1.02794	1.1349	1.10387	186.21806	66.32591	255.87469	28.09378	16.3212	37.6065	6.41E-09	1.49E-06	2.18E-07	1.98E-12	5.97E-12	4.72E-12	2.4E-15	5.8E-14	3.2E-15	6.36457E-14	8.016E-12	1.4861E-06	2.18E-07	2.02386E-12	9.71455E-15	1.01018E-12	1.62E-15
485	571390.6	4178519	0.55, 41785	0.88898	0.96986	0.94947	165.64096	58.31983	230.86073	23.55305	14.40747	29.95608	5.52E-09	1.34E-06	1.74E-07	1.7E-12	5.14E-12	4.06E-12	2.07E-15	4.99E-14	2.76E-15	5.47434E-14	6.894E-12	1.3408E-06	1.74E-07	1.74078E-12	8.35575E-15	8.6888E-13	1.39E-15
486	571430.6	4178519	0.55, 41785	0.7696	0.83467	0.8102	166.81635	54.79876	235.11797	23.72844	12.50769	32.6638	4.71E-09	1.37E-06	1.9E-07	1.45E-12	4.39E-12	3.46E-12	1.76E-15	4.26E-14	2.35E-15	4.67137E-14	5.883E-12	1.3655E-06	1.9E-07	1.48544E-12	7.13013E-15	7.41433E-13	1.19E-15
487	571470.6	4178519	0.55, 41785	0.67066	0.72494	0.7032	138.40145	51.97552	171.46902	19.82816	10.73341	24.30543	4.08E-09	9.96E-07	1.41E-07	1.26E-12	3.81E-12	3.01E-12	1.53E-15	3.7E-14	2.04E-15	4.05444E-14	5.106E-12	9.9589E-07	1.41E-07	1.28927E-12	6.18848E-15	6.43515E-13	1.03E-15
488	571510.6	4178519	0.55, 41785	0.58987	0.63439	0.62004	93.94363	49.66848	89.41667	13.736	9.50533	13.29785	3.6E-09	5.19E-07	7.72E-08	1.11E-12	3.36E-12	2.65E-12	1.35E-15	3.26E-14	1.8E-15	3.57496E-14	4.502E-12	5.1937E-07	7.72E-08	1.1368E-12	5.45663E-15	5.67412E-13	9.08E-16
489	571550.6	4178519	0.55, 41785	0.52422	0.55926	0.55249	64.7066	47.53612	82.72316	9.81761	8.44297	11.85775	3.21E-09	4.8E-07	6.89E-08	9.9E-13	2.99E-12	2.36E-12	1.2E-15	2.9E-14	1.6E-15	3.18547E-14	4.012E-12	4.8049E-07	6.89E-08	1.01295E-12	4.86214E-15	5.05594E-13	8.09E-16
490	571590.6	4178519	0.55, 41785	0.47148	0.49721	0.49682	75.39988	45.27823	83.60413	9.54319	7.49343	11.2302	2.89E-09	4.86E-07	6.52E-08	8.91E-13	2.69E-12	2.12E-12	1.08E-15	2.61E-14	1.44E-15	2.86449E-14	3.608E-12	4.856E-07	6.52E-08	9.10877E-13	4.37221E-15	4.54648E-13	7.27E-16
491	570310.6	4178559	0.55, 41785	0.10731	0.08405	0.10201	76.80272	30.54078	89.48595	12.80045	4.19275	14.91432	5.93E-10	5.2E-07	8.66E-08	1.83E-13	5.52E-13	4.36E-13	2.22E-16	5.36E-15	2.96E-16	5.8813E-15	7.407E-13	5.1974E-07	8.66E-08	1.87019E-13	8.97692E-16	9.33472E-14	1.49E-16
492	570350.6	4178559	0.55, 41785	0.11907	0.09438	0.11262	82.9813	31.5625	94.82328	13.39224	4.31782	15.80388	6.54E-10	5.51E-07	9.18E-08	2.02E-13	6.1E-13	4.81E-13	2.45E-16	5.92E-15	3.27E-16	6.49304E-15	8.177E-13	5.5074E-07	9.18E-08	2.06472E-13	9.91064E-16	1.03057E-13	1.65E-16
493	570390.6	4178559	0.55, 41785	0.1339	0.10748	0.12591	90.55746	32.83588	101.05325	14.07263	4.47793	16.84221	7.31E-10	5.87E-07	9.78E-08	2.26E-13	6.81E-13	5.38E-13	2.74E-16	6.62E-15	3.65E-16	7.25929E-15	9.142E-13	5.8692E-07	9.78E-08	2.30838E-13	1.10802E-15	1.15218E-13	1.84E-16
494	570430.6	4178559	0.55, 41785	0.15297	0.12443	0.14282	99.07784	34.42492	111.25467	14.88754	4.68196	18.0897	8.3E-10	6.46E-07	1.05E-07	2.56E-13	7.73E-13	6.11E-13	3.11E-16	7.51E-15	4.14E-16	8.23427E-15	1.037E-12	6.4617E-07	1.05E-07	2.61841E-13	1.25684E-15	1.30693E-13	2.09E-16
495	570470.6	4178559	0.55, 41785	0.17711	0.14611	0.16369	108.3811	37.13833	125.77833	15.68816	5.10948	19.33096	9.51E-10	7.31E-07	1.12E-07	2.93E-13	8.86E-13	7E-13	3.56E-16	8.61E-15	4.75E-16	9.43758E-15	1.189E-12	7.3052E-07	1.12E-07	3.00105E-13	1.4405E-15	1.49792E-13	2.4E-16
496	570510.6	4178559	0.55, 41785	0.21022	0.1758	0.19176	119.02071	41.74654	144.28309	16.67371	5.7123	20.76073	1.11E-09	8.38E-07	1.21E-07	3.44E-13	1.04E-12	8.2E-13	4.17E-16	1.01E-14	5.57E-16	1.1056E-14	1.392E-12	8.3799E-07	1.21E-07	3.5157E-13	1.68754E-15	1.7548E-13	2.81E-16
497	570550.6	4178559	0.55, 41785	0.25686	0.21737	0.22998	138.81712	48.97119	169.0217	17.78034	6.5378	22.20322	1.34E-09	9.82E-07	1.29E-07	4.12E-13	1.24E-12	9.83E-13	5.01E-16	1.21E-14	6.67E-16	1.32597E-14	1.67E-12	9.8167E-07	1.29E-07	4.21645E-13	2.0239E-15	2.10457E-13	3.37E-16
498	570590.6	4178559	0.55, 41785	0.31921	0.27311	0.27901	158.95656	55.69599	196.40207	19.86957	7.90259	24.55026	1.62E-09	1.14E-06	1.43E-07	5E-13	1.51E-12	1.19E-12	6.07E-16	1.47E-14	8.1E-16	1.60867E-14	2.026E-12	1.1407E-06	1.43E-07	5.11541E-13	2.4554E-15	2.55327E-13	4.09E-16
499	570630.6	4178559	0.55, 41785	0.41072	0.35398	0.34795	180.38278	65.18573	228.48167	22.54785	9.64997	28.56021	2.02E-09	1.33E-06	1.66E-07	6.24E-13	1.88E-12	1.49E-12	7.57E-16	1.83E-14	1.01E-15	2.00618E-14	2.527E-12	1.327E-06	1.66E-07	6.37944E-13	3.06213E-15	3.18418E-13	5.09E-16
500	570670.6	4178559	0.55, 41785	0.55178	0.47716	0.45068	218.05495	85.23197	290.43238	27.25687	14.02323	36.30405	2.62E-09	1.69E-06	2.11E-07	8.08E-13	2.44E-12	1.93E-12	9.81E-16	2.37E-14	1.31E-15	2.59852E-14	3.273E-12	1.6868E-06	2.11E-07	8.26302E-13	3.96625E-15	4.12434E-13	6.6E-16
501	570710.6	4178559	0.55, 41785	0.78132	0.6809	0.62169	244.71244	105.12049	355.26836	32.595	21.74638	44.40855	3.61E-09	2.06E-06	2.58E-07	1.11E-12	3.36E-12	2.66E-12	1.35E-15	3.27E-14	1.8E-15	3.58456E-14	4.514E-12	2.0634E-06	2.58E-07	1.13985E-12	5.47129E-15	5.68937E-13	9.1E-16
502	570750.6	4178559	0.55, 41785	1.13763	1.02831	0.92752	276.33124	124.7524	514.56755	39.47589	32.46528	64.32094	5.39E-09	2.99E-06	3.74E-07	1.66E-12	5.02E-12	3.97E-12	2.02E-15	4.88E-14	2.69E-15	5.34794E-14	6.735E-12	2.9885E-06	3.74E-07	1.70059E-12	8.16282E-15	8.48818E-13	1.36E-15
503	570790.6	4178559	0.55, 41785	1.48115	1.46435	1.34156	285.306	157.20995	776.24295	43.19026	42.97795	97.64972	7.79E-09	4.51E-06	5.67E-07	2.4E-12	7.26E-12	5.74E-12	2.92E-15	7.05E-14	3.89E-15	7.73518E-14	9.742E-12	4.5082E-06	5.67E-07	2.4597E-12	1.18066E-14	1.22772E-12	1.96E-15
504	570830.6	4178559	0.55, 41785	2.67811	2.99292	2.3948	342.02881	178.80856	871.65336	66.23843	64.34565	121.28657	1.39E-08	5.06E-06	7.04E-07	4.29E-12	1.3E-11	1.02E-11	5.21E-15	1.26E-13	6.95E-15	1.38085E-13	1.739E-11	5.0624E-06	7.04E-07	4.39095E-12	2.10766E-14	2.19167E-12	3.51E-15
505	570950.6	4178559	0.55, 41785	26.55575	12.00196	5.05287	679.01352	318.67052	1487.06516	280.37281	116.3834	245.48668	2.94E-08	8.64E-06	1.43E-06	9.06E-12	2.74E-11	2.16E-11	1.1E-14	2.66E-13	1.47E-14	2.91465E-13	3.671E-11	8.6366E-06	1.43E-06	9.26826E-12	4.44876E-14	4.62608E-12	7.4E-15
506	570990.6	4178559	0.55, 41785	10.52141	6.96087	4.44153	639.29991	205.65266	1371.63359	133.52138	75.6432	174.17097	2.58E-08	7.97E-06	1.01E-06	7.96E-12	2.4E-11	1.9E-11	9.67E-15	2.34E-13	1.29E-14	2.56129E-13	3.226E-11	7.966E-06	1.01E-06	8.14463E-12	3.90942E-14	4.06524E-12	6.5E-15
507	571030.6	4178559	0.55, 41785	6.12086	4.69941	3.63304	562.31532	143.87555	907.33173	97.52112	53.65332	135.00156	2.11E-08	5.27E-06	7.84E-07	6.51E-12	1.97E-11	1.55E-11	7.91E-15	1.91E-13	1.05E-14	2.09488E-13	2.638E-11	5.2695E-06	7.84E-07	6.66149E-12	3.19751E-14	3.32496E-12	5.32E-15
508	571070.6	4178559	0.55, 41785	4.00501	3.46908	2.98955	291.75499	122.4909	364.39166	69.10596	41.80504	75.82917	1.74E-08	2.12E-06	4.4E-07	5.36E-12	1.62E-11	1.28E-11	6.51E-15	1.57E-13	8.68E-15	1.72376E-13	2.171E-11	2.1164E-06	4.4E-07	5.48136E-12	2.63105E-14	2.73592E-12	4.38E-15
509	571110.6	4178559	0.55, 41785	2.89394	2.70355	2.4438	288.47324	105.99812	437.78623	48.03981	36.46899	59.71453	1.42E-08	2.54E-06	3.47E-07	4.38E-12	1.32E-11	1.04E-11	5.32E-15	1.28E-13	7.09E-15	1.40906E-13	1.775E-11	2.5426E-06	3.47E-07	4.48065E-12	2.15071E-14	2.23643E-12	3.58E-15
510	571150.6	4178559	0.55, 41785	2.21115	2.17534	2.01472	240.56187	97.79178	377.92847	31.90722	30.3701	47.66793	1.17E-08	2.19E-06	2.77E-07	3.61E-12	1.09E-11	8.61E-12	4.39E-15	1.06E-13	5.85E-15	1.16165E-13	1.463E-11	2.195E-06	2.77E-07	3.69391E-12	1.77307E-14	1.84375E-12	2.95E-15
511	571190.6	4178559	0.55, 41785	1.76303	1.79806	1.6955	177.14345	83.63267	264.27885	24.55859	26.34777	34.50528	9.85E-09	1.53E-06	2E-07	3.04E-12	9.18E-12	7.25E-12	3.69E-15	8.91E-14	4.92E-15	9.77583E-14	1.231E-11	1.5349E-06	2E-07	3.10861E-12	1.49213E-14	1.55161E-12	2.48E-15
512	571230.6	4178559	0.55, 41785	1.44054	1.50665	1.43503	192.87207	80.98435	306.26039	29.09943	22.26218	51.0434	8.34E-09	1.78E-06	2.96E-07	2.57E-12	7.77E-12	6.14E-12	3.12E-15	7.55E-14	4.16E-15	8.274E-14	1.042E-11	1.7787E-06	2.96E-07	2.63104E-12	1.2629E-14	1.31324E-12	2.1E-15
513	571270.6	4178559	0.55, 41785	1.19178	1.27042	1.20125	167.21575	71.42327	283.3883	22.32638	19.23301	35.42354	6.98E-09	1.65E-06	2.06E-07	2.15E-12	6.5E-12	5.14E-12	2.61E-15	6.32E-14	3.49E-15	6.9261E-14	8.723E-12	1.6459E-06	2.06E-07	2.20242E-12	1.05716E-14	1.0993E-12	1.76E-15

514	571310.6	4178559	0.55, 41785	1.01245	1.08581	1.02025	169.23295	65.49002	155.67948	26.6418	16.91234	25.18935	5.93E-09	9.04E-07	1.46E-07	1.83E-12	5.52E-12	4.36E-12	2.22E-15	5.36E-14	2.96E-15	5.88251E-14	7.408E-12	9.0422E-07	1.46E-07	1.87057E-12	8.97875E-15	9.33663E-13	1.49E-15
515	571350.6	4178559	0.55, 41785	0.8838	0.94242	0.90608	194.09519	63.64749	285.0024	28.90026	14.99354	40.61241	5.26E-09	1.66E-06	2.36E-07	1.62E-12	4.9E-12	3.87E-12	1.97E-15	4.76E-14	2.63E-15	5.2242E-14	6.579E-12	1.6552E-06	2.36E-07	1.66124E-12	7.97394E-15	8.29177E-13	1.33E-15
516	571390.6	4178559	0.55, 41785	0.78025	0.82372	0.8159	158.10154	57.98385	206.74246	23.81897	12.89204	30.22211	4.74E-09	1.2E-06	1.76E-07	1.46E-12	4.42E-12	3.49E-12	1.78E-15	4.29E-14	2.37E-15	4.70421E-14	5.924E-12	1.2007E-06	1.76E-07	1.49589E-12	7.18026E-15	7.46645E-13	1.19E-15
517	571430.6	4178559	0.55, 41785	0.68512	0.72115	0.71821	137.68904	52.2569	180.06144	18.93914	11.62385	25.68604	4.17E-09	1.05E-06	1.49E-07	1.29E-12	3.89E-12	3.07E-12	1.56E-15	3.78E-14	2.08E-15	4.14095E-14	5.215E-12	1.0458E-06	1.49E-07	1.31678E-12	6.32054E-15	6.57246E-13	1.05E-15
518	571470.6	4178559	0.55, 41785	0.60049	0.63425	0.62389	143.56241	49.93475	187.32246	19.90478	10.29716	25.60594	3.62E-09	1.09E-06	1.49E-07	1.12E-12	3.38E-12	2.67E-12	1.36E-15	3.28E-14	1.81E-15	3.59715E-14	4.53E-12	1.088E-06	1.49E-07	1.14385E-12	5.4905E-15	5.70934E-13	9.13E-16
519	571510.6	4178559	0.55, 41785	0.52736	0.56045	0.5447	131.02036	47.72087	167.66109	18.26486	8.99798	23.11602	3.16E-09	9.74E-07	1.34E-07	9.76E-13	2.95E-12	2.33E-12	1.19E-15	2.86E-14	1.58E-15	3.14057E-14	3.955E-12	9.7377E-07	1.34E-07	9.98669E-13	4.79361E-15	4.98468E-13	7.98E-16
520	571550.6	4178559	0.55, 41785	0.46874	0.49944	0.48529	99.50634	45.73793	109.0385	14.05158	8.03042	15.4257	2.82E-09	6.33E-07	8.96E-08	8.7E-13	2.63E-12	2.07E-12	1.06E-15	2.55E-14	1.41E-15	2.79803E-14	3.524E-12	6.3331E-07	8.96E-08	8.89745E-13	4.27078E-15	4.441E-13	7.11E-16
521	571590.6	4178559	0.55, 41785	0.42104	0.44786	0.43792	63.39282	43.98321	60.02596	9.17705	7.35207	9.24249	2.54E-09	3.49E-07	5.37E-08	7.85E-13	2.37E-12	1.87E-12	9.53E-16	2.3E-14	1.27E-15	2.52491E-14	3.18E-12	3.4867E-07	5.37E-08	8.02894E-13	3.85389E-15	4.0075E-13	6.41E-16
522	570310.6	4178599	0.55, 41785	0.10507	0.08466	0.09914	83.25071	28.48032	95.05484	11.19876	3.62883	12.56574	5.76E-10	5.52E-07	7.3E-08	1.78E-13	5.37E-13	4.24E-13	2.16E-16	5.21E-15	2.88E-16	5.71588E-15	7.199E-13	5.5208E-07	7.3E-08	1.81759E-13	8.72442E-16	9.07216E-14	1.45E-16
523	570350.6	4178599	0.55, 41785	0.11716	0.09561	0.10985	88.57329	30.33455	103.53599	11.44069	3.79182	12.942	6.38E-10	6.01E-07	7.52E-08	1.97E-13	5.95E-13	4.7E-13	2.39E-16	5.78E-15	3.19E-16	6.33339E-15	7.976E-13	6.0133E-07	7.52E-08	2.01395E-13	9.66695E-16	1.00523E-13	1.61E-16
524	570390.6	4178599	0.55, 41785	0.13131	0.10865	0.12235	93.2639	32.45644	112.44406	11.65799	4.05706	14.05551	7.11E-10	6.53E-07	8.16E-08	2.19E-13	6.62E-13	5.23E-13	2.66E-16	6.43E-15	3.55E-16	7.0541E-15	8.884E-13	6.5307E-07	8.16E-08	2.24313E-13	1.0767E-15	1.11962E-13	1.79E-16
525	570430.6	4178599	0.55, 41785	0.15022	0.126	0.13878	103.53542	36.02365	122.12845	12.94193	4.50296	15.26606	8.06E-10	7.09E-07	8.87E-08	2.49E-13	7.51E-13	5.93E-13	3.02E-16	7.3E-15	4.03E-16	8.00142E-15	1.008E-12	7.0932E-07	8.87E-08	2.54437E-13	1.2213E-15	1.26997E-13	2.03E-16
526	570470.6	4178599	0.55, 41785	0.17421	0.14819	0.15942	115.63183	39.91557	131.63773	14.45398	5.34922	16.45472	9.26E-10	7.65E-07	9.56E-08	2.86E-13	8.63E-13	6.82E-13	3.47E-16	8.38E-15	4.63E-16	9.19148E-15	1.158E-12	7.6455E-07	9.56E-08	2.92279E-13	1.40294E-15	1.45886E-13	2.33E-16
527	570510.6	4178599	0.55, 41785	0.20799	0.17912	0.18803	128.15759	44.54205	154.67263	16.0197	6.36274	19.33408	1.09E-09	8.98E-07	1.12E-07	3.37E-13	1.02E-12	8.04E-13	4.09E-16	9.89E-15	5.46E-16	1.08411E-14	1.365E-12	8.9833E-07	1.12E-07	3.44735E-13	1.65473E-15	1.72068E-13	2.75E-16
528	570550.6	4178599	0.55, 41785	0.25382	0.22088	0.22625	141.74172	51.90419	182.47104	17.71771	7.41488	22.80888	1.31E-09	1.06E-06	1.32E-07	4.06E-13	1.22E-12	9.67E-13	4.92E-16	1.19E-14	6.57E-16	1.30448E-14	1.643E-12	1.0598E-06	1.32E-07	4.1481E-13	1.99109E-15	2.07045E-13	3.31E-16
529	570590.6	4178599	0.55, 41785	0.31442	0.27626	0.27638	161.8077	62.94071	207.9054	20.22596	8.27119	25.98817	1.61E-09	1.21E-06	1.51E-07	4.95E-13	1.5E-12	1.18E-12	6.02E-16	1.45E-14	8.02E-16	1.59352E-14	2.007E-12	1.2075E-06	1.51E-07	5.06722E-13	2.43226E-15	2.52921E-13	4.05E-16
530	570630.6	4178599	0.55, 41785	0.39904	0.35395	0.34775	187.04764	77.01967	233.41259	23.38095	12.20463	29.17657	2.02E-09	1.36E-06	1.69E-07	6.23E-13	1.88E-12	1.49E-12	7.57E-16	1.83E-14	1.01E-15	2.00503E-14	2.525E-12	1.3557E-06	1.69E-07	6.37576E-13	3.06037E-15	3.18235E-13	5.09E-16
531	570670.6	4178599	0.55, 41785	0.52025	0.46779	0.4567	203.91154	89.67976	314.96286	27.18561	17.16092	39.37036	2.65E-09	1.83E-06	2.29E-07	8.19E-13	2.47E-12	1.95E-12	9.94E-16	2.4E-14	1.33E-15	2.6332E-14	3.316E-12	1.8293E-06	2.29E-07	8.3733E-13	4.01918E-15	4.17938E-13	6.69E-16
532	570710.6	4178599	0.55, 41785	0.68748	0.63563	0.62617	226.5911	101.22552	383.25212	32.37016	22.387	47.90652	3.64E-09	2.23E-06	2.78E-07	1.12E-12	3.39E-12	2.68E-12	1.36E-15	3.29E-14	1.82E-15	3.61031E-14	4.547E-12	2.2259E-06	2.78E-07	1.14804E-12	5.51059E-15	5.73023E-13	9.17E-16
533	570750.6	4178599	0.55, 41785	0.91976	0.89022	0.88415	243.41497	114.05895	499.75889	34.77357	31.00996	69.4997	5.14E-09	2.9E-06	4.04E-07	1.58E-12	4.79E-12	3.78E-12	1.92E-15	4.65E-14	2.57E-15	5.09772E-14	6.42E-12	2.9025E-06	4.04E-07	1.62102E-12	7.7809E-15	8.09103E-13	1.29E-15
534	570790.6	4178599	0.55, 41785	1.20615	1.22781	1.16033	261.32328	130.44037	537.17009	39.31654	39.06207	73.65107	6.74E-09	3.12E-06	4.28E-07	2.08E-12	6.28E-12	4.96E-12	2.53E-15	6.1E-14	3.37E-15	6.69017E-14	8.426E-12	3.1198E-06	4.28E-07	2.1274E-12	1.02115E-14	1.06185E-12	1.7E-15
535	570830.6	4178599	0.55, 41785	1.86035	2.06593	1.53512	307.79075	158.37727	606.96091	57.33573	51.17396	80.52216	8.92E-09	3.53E-06	4.68E-07	2.75E-12	8.31E-12	6.56E-12	3.34E-15	8.07E-14	4.46E-15	8.85179E-14	1.115E-11	3.5251E-06	4.68E-07	2.81477E-12	1.35109E-14	1.40494E-12	2.25E-15
536	570870.6	4178599	0.55, 41785	2.81953	3.8452	1.88016	429.66876	238.19724	679.18896	77.96533	87.47681	90.64703	1.09E-08	3.94E-06	5.27E-07	3.37E-12	1.02E-11	8.04E-12	4.09E-15	9.89E-14	5.46E-15	1.08433E-13	1.366E-11	3.9447E-06	5.27E-07	3.44805E-12	1.65507E-14	1.72103E-12	2.75E-15
537	570910.6	4178599	0.55, 41785	4.21414	6.38342	2.32175	555.65098	273.48442	945.27353	124.98504	103.73159	124.24769	1.35E-08	5.49E-06	7.22E-07	4.16E-12	1.26E-11	9.93E-12	5.06E-15	1.22E-13	6.74E-15	1.33925E-13	1.687E-11	5.4901E-06	7.22E-07	4.25867E-12	2.04416E-14	2.12564E-12	3.4E-15
538	570950.6	4178599	0.55, 41785	4.59898	4.54538	2.28746	563.80012	195.03038	769.06119	96.52509	58.5202	125.1466	1.33E-08	4.47E-06	7.27E-07	4.1E-12	1.24E-11	9.78E-12	4.98E-15	1.2E-13	6.64E-15	1.31923E-13	1.661E-11	4.4666E-06	7.27E-07	4.19501E-12	2.0136E-14	2.09386E-12	3.35E-15
539	570990.6	4178599	0.55, 41785	3.82228	3.4158	2.10211	387.45867	157.86758	722.29473	74.93195	45.58999	97.36969	1.22E-08	4.19E-06	5.66E-07	3.77E-12	1.14E-11	8.99E-12	4.58E-15	1.11E-13	6.1E-15	1.21222E-13	1.527E-11	4.195E-06	5.66E-07	3.85473E-12	1.85027E-14	1.92402E-12	3.08E-15
540	571030.6	4178599	0.55, 41785	3.02247	2.69987	1.99871	442.17309	124.03841	776.22539	67.82636	38.72372	97.59907	1.16E-08	4.51E-06	5.67E-07	3.58E-12	1.08E-11	8.55E-12	4.35E-15	1.05E-13	5.8E-15	1.1525E-13	1.451E-11	4.5081E-06	5.67E-07	3.66484E-12	1.75912E-14	1.82924E-12	2.93E-15
541	571070.6	4178599	0.55, 41785	2.43201	2.20804	1.81695	323.32852	105.96293	523.5768	49.87717	32.54487	75.45431	1.06E-08	3.04E-06	4.38E-07	3.26E-12	9.83E-12	7.77E-12	3.96E-15	9.55E-14	5.27E-15	1.04766E-13	1.319E-11	3.0408E-06	4.38E-07	3.33144E-12	1.59909E-14	1.66283E-12	2.66E-15
542	571110.6	4178599	0.55, 41785	1.9361	1.83698	1.53551	285.52756	89.63178	395.42144	42.26506	28.59229	57.87538	8.92E-09	2.3E-06	3.36E-07	2.75E-12	8.31E-12	6.57E-12	3.34E-15	8.07E-14	4.46E-15	8.85372E-14	1.115E-11	2.2965E-06	3.36E-07	2.81539E-12	1.35139E-14	1.40525E-12	2.25E-15
543	571150.6	4178599	0.55, 41785	1.58315	1.55537	1.34493	182.41041	88.91432	301.39134	29.75311	25.20352	37.67392	7.81E-09	1.75E-06	2.19E-07	2.41E-12	7.28E-12	5.75E-12	2.93E-15	7.07E-14	3.9E-15	7.75475E-14	9.766E-12	1.7505E-06	2.19E-07	2.46593E-12	1.18364E-14	1.23082E-12	1.97E-15
544	571190.6	4178599	0.55, 41785	1.33739	1.33597	1.20735	189.26194	77.8274	237.13522	24.55337	21.99349	31.52399	7.01E-09	1.38E-06	1.83E-07	2.16E-12	6.53E-12	5.16E-12	2.63E-15	6.35E-14	3.5E-15	6.96137E-14	8.767E-12	1.3773E-06	1.83E-07	2.21364E-12	1.06255E-14	1.1049E-12	1.77E-15
545	571230.6	4178599	0.55, 41785	1.14183	1.1549	1.07779	177.02423	70.01737	247.02933	25.42204	18.83046	36.19826	6.26E-09	1.43E-06	2.1E-07	1.93E-12	5.83E-12	4.61E-12	2.35E-15	5.67E-14	3.13E-15	6.21429E-14	7.826E-12	1.4347E-06	2.1E-07	1.97608E-12	9.48517E-15	9.86323E-13	1.58E-15
546	571270.6	4178599	0.55, 41785	0.97959	1.00523	0.95378	160.46118	68.49541	236.51718	22.92303	16.81937	33.9008	5.54E-09	1.37E-06	1.97E-07	1.71E-12	5.16E-12	4.08E-12	2.08E-15	5.01E-14	2.77E-15	5.49925E-14	6.926E-12	1.3737E-06	1.97E-07	1.7487E-12	8.39377E-15	8.72833E-13	1.4E-15
547	571310.6	4178599	0.55, 41785	0.84011	0.87488	0.82502	131.92842	62.86665	193.55215	16.49105	15.16442	24.19402	4.79E-09	1.12E-06	1.41E-07	1.48E-12	4.47E-12	3.53E-12	1.8E-15	4.34E-14	2.39E-15	4.75686E-14	5.991E-12	1.1241E-06	1.41E-07	1.51263E-12	7.26062E-15	7.55002E-13	1.21E-15
548	571350.6	4178599	0.55, 41785	0.73896	0.77159	0.73066	149.85158	58.69155	153.82017	22.55392	13.49962	22.49489	4.24E-09	8.93E-07	1.31E-07	1.31E-12	3.95E-12	3.12E-12	1.59E-15	3.84E-14	2.12E-15	4.2128E-14	5.306E-12	8.9341E-07	1.31E-07	1.33962E-12	6.43019E-15	6.68649E-13	1.07E-15
549	571390.6	4178599	0.55, 41785	0.661	0.68563	0.66671	168.50279	56.32456	235.09945	24.41155	12.10471	32.40344	3.87E-09	1.37E-06	1.88E-07	1.2E-12	3.61E-12	2.85E-12	1.45E-15	3.51E-14	1.94E-15	3.84405E-14	4.841E-12	1.3654E-06	1.88E-07	1.22237E-12	5.86736E-15	6.10122E-13	9.76E-16
550	571430.6	4178599	0.55, 41785	0.59511	0.61204	0.61151	136.17098	51.76249	171.68803	20.03651	10.61326	24.28892	3.55E-09	9.97E-07	1.41E-07	1.1E-12	3.31E-12	2.61E-12	1.33E-15	3.22E-14	1.77E-15	3.52576E-14	4.44E-12	9.9716E-07	1.41E-07	1.12115E-12	5.38153E-15	5.59603E-13	8.95E-16
551	571470.6	4178599	0.55, 41785	0.53051	0.54561	0.54811	117.9441	47.17442	154.11151	16.84916	9.40387	22.01593	3.18E-09	8.95E-07	1.28E-07	9.83E-13	2.97E-12	2.34E-12	1.19E-15	2.88E-14	1.59E-15	3.16021E-14	3.98E-12	8.9508E-07	1.28E-07	1.00491E-12	4.82358E-15	5.01584E-13	8.03E-16
552	571510.6	4178599	0.55, 41785	0.47218	0.48877	0.48576	120.07824	45.51387	145.12306	16.38718	8.49605	19.65912	2.82E-09	8.43E-07	1.14E-07	8.71E-13	2.63E-12	2.08E-12	1.06E-15	2.55E-14	1.41E-15	2.80073E-14	3.527E-12	8.4287E-07	1.14E-07	8.90602E-13	4.27489E-15	4.44528E-13	7.11E-16
553	571550.6	4178599	0.55, 41785	0.42043	0.43954	0.43052	119.99429	43.92883	151.34582	16.43506	7.56489	20.5622	2.5E-09	8.79E-07	1.19E-07	7.72E-13	2.33E-12	1.84E-12	9.37E-16	2.26E-14	1.25E-15	2.48224E-14	3.126E-12	8.7901E-07	1.19E-07	7.89327E-13	3.78877E-15	3.93978E-13	6.3E-16
554	571590.6	4178599	0.55, 41785	0.37632	0.39688	0.38556	100.33698	42.40478	116.86516	13.86046	7.00095	16.11187	2.24E-09	6.79E-07	9.36E-08	6.91E-13	2.09E-12	1.65E-12	8.39E-16	2.03E-14	1.12E-15	2.22302E-14	2.8E-12	6.7876E-07	9.36E-08	7.06897E-13	3.39311E-15	3.52835E-13	5.65E-16
555	570310.6	4178639	0.55, 41786	0.10356	0.08559	0.09711	83.92303	29.66661	96.15389	10.49038	3.70833	12.01924	5.64E-10	5.58E-07	6.98E-08	1.74E-13	5.26E-13	4.15E-13	2.11E-16	5.11E-15	2.82E-16	5.59888E-15	7.051E-13	5.5846E-07	6.98E-08	1.78038E-13	8.54584E-16	8.88646E-14	1.42E-16
556	570350.6	4178639	0.55, 41786	0.1161	0.09716	0.10841	92.63397	32.60646	103.61771	11.57925	4.08084	12.95221	6.3E-10	6.02E-07	7.52E-08	1.94E-13	5.87E-13	4.63E-13	2.36E-16	5.7E-15	3.15E-16	6.2504E-15	7.872E-13	6.0181E-07	7.52E-08	1.98756E-13	9.54029E-16	9.92055E-14	1.59E-16
557	570390.6	4178639	0.55, 41786	0.13068	0.11086	0.1215	100.54346	34.97331	116.66288	12.56793	4.70976	14.58286	7.06E-10	6.78E-07	8.47E-08	2.18E-13	6.58E-13	5.19E-13	2.64E-16	6.39E-15	3.53E-16	7.00514E-15	8.822E-13	6.7758E-07	8.47E-08	2.22756E-13	1.06923E-15	1.11185E-13	1.78E-16
558	570430.6	4178639	0.55, 41786	0.14929	0.12834	0.13819	107.49924	37.52244	130.89362	13.4374	5.36035	16.3617	8.03E-10	7.6E-07	9.5E-08	2.48E-13	7.48E-13	5.91E-13	3.01E-16	7.27E-15	4.01E-16	7.96744E-15	1.003E-12	7.6022E-07	9.5E-08	2.53356E-13	1.21611E-15	1.26458E-13	2.02E-16
559	570470.6	4178639	0.55, 41786	0.17443	0.15183	0.16061	116.62505	42.4162	145.19757	14.57813	6.05946	18.1497	9.33E-10	8.43E-07	1.05E-07	2.88E-13	8.69E-13	6.87E-13	3.5E-16	8.44E-15	4.66E-16	9.26012E-15	1.166E-12	8.433E-07	1.05E-07	2.94462E-13	1.41342E-15	1.46975E-13	2.35E-16
560	570510.6	4178639	0.55, 41786	0.20768	0.18277	0.19013	127.00459	48.18252	156.06863	15.87557	6.71257	19.50858	1.1E-09	9.06E-07	1.13E-07	3.41E-13	1.03E-12	8.13E-13	4.14E-16	1E-14	5.52E-16	1.09622E-14	1.381E-12	9.0644E-07	1.13E-07	3.48585E-13	1.67321E-15	1.7399E-13	2.78E-16
561	570550.6	4178639	0.55, 41786	0.2504	0.22269	0.22841	148.76746	59.99627	172.72318	18.59593	7.58374	21.5904	1.33E-09	1E-06	1.25E-07	4.09E-13	1.24E-12	9.77E-13	4.97E-16	1.2E-14	6.63E-16	1.31693E-14	1.659E-12	1.0032E-06	1.25E-07	4.18769E-13	2.01009E-15	2.09021E-13	3.34E-16
562	570590.6	4178639	0.55, 41786	0.30521	0.27478	0.27907	162.38276	69.4472	222.88998	20.29784	10.74133	27.86125	1.62E-09	1.29E-06	1.62E-07	5E-13	1.51E-12	1.19E-12	6.07E-16	1.47E-14	8.1E-16	1.60902E-14	2.026E-12	1.2945E-06	1.62E-07	5.11651E-13	2.45593E-15	2.55381E-13	4.09E-16
563	570630.6	4178639	0.55, 41786	0.37839	0.34592	0.35098	177.15033	78.68271	266.26636	23.7109	14.16715	33.28329	2.04E-09	1.55E-06	1.93E-07	6.29E-13	1.9E-12	1.5E-12	7.64E-16	1.85E-14	1.02E-15	2.02363E-14	2.549E-12	1.5465E-06	1.93E-07	6.43492E-13	3.08876E-15	3.21187E-13	5.14E-16
564	570670.6	4178639	0.55, 41786	0.47152	0.44129	0.44999	194.04584	86.02037	313.51443	27.72083	17.24466	39.1893	2.61E-09	1.82E-06	2.28E-07	8.07E-13	2.44E-12	1.92E-12	9.79E-16	2.37E-14	1.31E-15	2.59448E-14	3.267E-12	1.8209E-06	2.28E-07	8.25017E-13	3.96008E-15	4.11792E-13	6.59E-16
565	570710.6	4178639	0.55, 41786	0.59058	0.57043	0.57865	207.44684	93.90742	372.29223	29.63526	21.88085	53.1846	3.36E-09	2.16E-06	3.09E-07	1.04E-12	3.13E-12	2.47E-12	1.26E-15	3.04E-14	1.68E-15	3.33629E-14	4.202E-12	2.1622E-06	3.09E-07	1.0609E-12	5.09234E-15	5.29531E-13	8.47E-16
566	570750.6	4178639	0.55, 41786	0.7421	0.74424	0.7234	219.27007	107.04803	379.32522	31.3243	27.05481	52.15596	4.2E-09	2.2E-06	3.03E-07	1.3E-12	3.92E-12	3.09E-12	1.57E-15	3.8E-14	2.1E-15	4.17091E-14	5.253E-12	2.2031E-06	3.03E-07	1.3263E-12	6.36626E-15	6.62001E-13	1.06E-15
567	570790.6	4178639	0.55, 41786	0.94425	0.97087	0.85006	237.37937	117.94026	412.19598	33.01145	30.70173	55.76703	4.94E-09	2.39E-06	3.24E-07	1.52E-12	4.6E-12	3.63E-12	1.85E-15	4.47E-14	2.47E-15	4.90134E-14	6.173E-12	2.394E-06	3.24E-07	1.55857E-12	7.48116E-15	7.77934E-13	1.24E-15
568	570830.6	4178639	0.55, 41786	1.23329	1.33292	0.96284	295.25944	130.22679	473.13116	42.69044	39.99654	61.26658	5.59E-09	2.75E-06	3.56E-07	1.73E-12	5.21E-12	4.12E-12	2.1E-15	5.06E-14	2.79E-15	5.55198E-14	6.992E-12	2.7479E-06	3.56E-07	1.76547E-12	8.47425E-15	8.81202E-13	1.41E-15
569	570870.6	4178639	0.55, 41786	1.50989	1.73214	1.20169	317.24906	188.19869	615.93486	58.25942	53.82297	76.99186	6.98E-09	3.58E-06	4.47E-07	2.15E-12	6.5E-12	5.14E-12	2.62E-15	6.32E-14	3.49E-15	6.92934E-14	8.727E-12	3.5773E-06	4.47E-07	2.20346E-12	1.05766E-14	1.09981E-12	1.76E-15
570	570910.6	4178639	0.55, 41786	1.78259	1.99297	1.30656	332.58479	179.86407	638.76492	63.94152	52.98497	79.84561	7.59E-09	3.71E-06	4.64E-07	2.34E-12	7.07E-12	5.59E-12	2.84E-15	6.87E-14	3.79E-15	7.53423E-14	9.489E-12	3.7099E-06	4.64E-07	2.3958E-12	1.14999E-14	1.19582E-12	1.91E-15
571	570950.6	4178639	0.55, 41786	1.86524	1.94862	1.2876	326.77204	147.92341	425.10208	57.64661	41.4452	82.66786	7.48E-09	2.47E-06	4.8E-07	2.31E-12	6.97E-12	5.51E-12	2.8E-15	6.77E-14	3.74E-15	7.4249E-14	9.351E-12	2.469E-06	4.8E-07	2.36104E-12	1.1333E-14	1.17847E-12	1.89E-15
572	570990.6	4178639	0.55, 41786	1.76592	1.78245	1.25006	311.73236	122.31574	573.48464	43.80696	33.57582	91.70195	7.26E-09	3.33E-06	5.33E-07	2.24E-12	6.77E-12	5.35E-12	2.72E-15	6.57E-14	3.63E-15	7.20826E-14	9.078E-12	3.3307E-06	5.33E-07	2.29215E-12	1.10023E-14	1.14408E-12	1.83E-15
573	571030.6	4178639	0.55, 41786	1.5977	1.58915	1.17717	263.38378	106.70114	334.97263	40.88022	26.80487	57.79917	6.84E-09	1.95E-06	3.36E-07	2.11E-12	6.37E-12	5.03E-12	2.56E-15	6.19E-14	3.42E-15	6.78782E-14	8.549E-12	1.9455E-06	3.36E-07	2.15845E-12	1.03606E-14	1.07735E-12	1.72E-15
574	571070.6	4178639	0.55, 41786	1.42629	1.41473	1.18099	323.91584	92.06505	516.79706	44.84431	24.93328	64.76299	6.86E-09	3E-06	3.76E-07	2.12E-12	6.39E-12	5.05E-12	2.57E-15	6.21E-14	3.43E-15	6.80956E-14	8.576E-12	3.0014E-06	3.76E-07	2.16537E-12	1.03938E-14	1.0808E-12	1.73E-15
575	571110.6	4178639	0.55, 41786	1.27265	1.25146	1.07066	231.49813	85.11921	353.08688	34.4516	22.95032	48.16161	6.22E-09	2.05E-06	2.8E-07	1.92E-12	5.8E-12	4.58E-12	2.33E-15	5.63E-14	3.11E-15	6.17335E-14	7.775E-12	2.0507E-06	2.8E-07	1.96306E-12	9.42268E-15	9.79825E-13	1.57E-15
576	571150.6	4178639	0.55, 41786	1.10067	1.1079	0.9372	235.36335	78.49538	345.02109	33.92291	20.75102	48.66179	5.44E-09	2E-06	2.83E-07	1.68E-12	5.07E-12	4.01E-12	2.04E-15	4.93E-14	2.72E-15	5.40385E-14	6.806E-12	2.0038E-06	2.83E-07	1.71836E-12	8.24815E-15	8.57691E-13	1.37E-15
577	571190.6	4178639	0.55, 41786	0.96404	0.98605	0.85109	150.10185	73.9658	197.92558	22.00887	18.66835	28.93746	4.94E-09	1.15E-06	1.68E-07	1.53E-12	4.61E-12	3.64E-12	1.85E-15	4.48E-14	2.47E-15	4.90731E-14	6.18E-12	1.1496E-06	1.68E-07	1.56047E-12	7.49026E-15	7.78881E-13	1.25E-15
578	571230.6	4178639	0.55, 41786	0.85847	0.87787	0.78438	130.71922	65.23747	181.52397	20.98447	16.26127	28.21366	4.56E-09	1.05E-06	1.64E-07	1.41E-12	4.25E-12	3.35E-12	1.71E-15	4.12E-14	2.28E-15	4.52261E-14	5.696E-12	1.0543E-06	1.64E-07	1.43814E-12	6.90308E-15	7.17823E-13	1.15E-15
579	571270.6	4178639	0.55, 41786	0.76521	0.78388	0.72231	147.71702	61.52416	210.17535	22.46264	14.29709	35.02922	4.2E-09	1.22E-06	2.03E-07	1.29E-12	3.91E-12	3.09E-12	1.57E-15	3.8E-14	2.1E-15	4.16469E-14	5.245E-12	1.2207E-06	2.03E-07	1.32433E-12	6.35676E-15	6.61013E-13	1.06E-15
580	571310.6	4178639	0.55, 41786	0.67814	0.70066	0.65218	136.41117	59.8434	199.34802	17.34958	13.40052	24.9185	3.79E-09	1.16E-06	1.45E-07	1.17E-12	3.53E-12	2.79E-12	1.42E-15	3.43E-14	1.89E-15	3.76032E-14	4.736E-12	1.1578E-06	1.45E-07	1.19574E-12	5.73956E-15	5.96833E-13	9.55E-16
581	571350.6	4178639	0.55, 41786	0.60279	0.6273	0.58324	124.67819	56.4143	162.56927	15.58477	12.33978	20.32116	3.39E-09	9.44E-07	1.18E-07	1.05E-12	3.16E-12	2.49E-12	1.27E-15	3.07E-14	1.69E-15	3.36283E-14	4.235E-12	9.4421E-07	1.18E-07	1.06934E-12	5.13285E-15	5.33743E-13	8.54E-16
582	571390.6	4178639	0.55, 41786	0.54567	0.56561	0.53406	134.64293	53.30447	146.45838	19.4501	11.04071	20.47738	3.1E-09	8.51E-07	1.19E-07	9.57E-13	2.89E-12	2.28E-12	1.16E-15	2.81E-14	1.55E-15	3.07926E-14	3.878E-12	8.5064E-07	1.19E-07	9.7917E-13	4.70002E-15	4.88735E-13	7.82E-16
583	571430.6	4178639	0.55, 41786	0.50035	0.51255	0.49968	147.79016	50.85435	197.85336	20.77571	9.97795	26.64502	2.9E-09	1.15E-06	1.55E-07	8.96E-13	2.7E-12	2.14E-12	1.09E-15	2.63E-14	1.45E-15	2.881E-14	3.628E-12	1.1491E-06	1.55E-07	9.16128E-13	4.39741E-15	4.57269E-13	7.32E-16
584	571470.6	4178639	0.55, 41786	0.45884	0.46513	0.46599	118.76181	47.03177	145.5886	16.94782	8.9119	19.9832	2.71E-09	8.46E-07	1.16E-07	8.35E-13	2.52E-12	1.99E-12	1.01E-15	2.45E-14	1.35E-15	2.68674E-14	3.384E-12	8.4558E-07	1.16E-07	8.54354E-13	4.1009E-15	4.26435E-13	6.82E-16
585	571510.6	4178639	0.55, 41786	0.41516	0.4204	0.42431	105.04191	43.02213	132.76114	15.00599	7.61313	18.96588	2.46E-09	7.71E-07	1.1E-07	7.61E-13	2.3E-12	1.81E-12	9.24E-16	2.23E-14	1.23E-15	2.44642E-14	3.081E-12	7.7108E-07	1.1E-07	7.77935E-13	3.73409E-15	3.88292E-13	6.21E-16
586	571550.6	4178639	0.55, 41786	0.37489	0.38245	0.3824	101.59712	41.64808	125.74417	13.25702	7.0054	15.71802	2.22E-09	7.3E-07	9.13E-08	6.85E-13	2.07E-12	1.63E-12	8.32E-16	2.01E-14	1.11E-15	2.20479E-14	2.777E-12	7.3032E-07	9.13E-08	7.01099E-13	3.36527E-15	3.49941E-13	5.6E-16
587	571590.6	4178639	0.55, 41786	0.33863	0.34937	0.34405	106.83121	40.48294	130.44071	14.45913	6.53587	17.55635	2E-09	7.58E-07	1.02E-07	6.17E-13	1.86E-12	1.47E-12	7.49E-16	1.81E-14	9.99E-16	1.98368E-14	2.498E-12	7.576E-07	1.02E-07	6.30789E-13	3.02779E-15	3.14847E-13	5.04E-16
588	570310.6	4178679	0.55, 41786	0.10291	0.0869	0.09701	88.39628	30.98258	103.31105	11.04953	4.21243	12.91388	5.64E-10	6E-07	7.5E-08	1.74E-13	5.25E-13	4.15E-13	2.11E-16	5.1E-15	2.82E-16	5.59313E-15	7.044E-13	6.0003E-07	7.5E-08	1.77856E-13	8.53707E-16	8.87734E-14	1.42E-16
589	570350.6	4178679	0.55, 41786	0.11574	0.09888	0.10892	93.23081	33.32166	112.3331	11.65385	4.76024	14.04164	6.33E-10	6.52E-07	8.16E-08	1.95E-13	5.9E-13	4.66E-13	2.37E-16	5.73E-15	3.16E-16	6.27983E-15	7.909E-13	6.5243E-07	8.16E-08	1.99692E-13	9.5852E-16	9.96725E-14	1.59E-16
590	570390.6	4178679	0.55, 41786	0.13137	0.11361	0.12342	99.39798	36.831	119.21549	12.42475	5.26157	14.90194	7.17E-10	6.92E-07	8.66E-08	2.21E-13	6.68E-13	5.28E-13	2.69E-16	6.49E-15	3.58E-16	7.11585E-15	8.962E-13	6.924E-07	8.66E-08	2.26276E-13	1.08613E-15	1.12942E-13	1.81E-16
591	570430.6	4178679	0.55, 41786	0.15074	0.13191	0.14135	105.99103	39.73692	126.723	13.24888	5.6767	15.84037	8.21E-10	7.36E-07	9.2E-08	2.53E-13	7.65E-13	6.04E-13	3.08E-16	7.43E-15	4.1E-16	8.14964E-15	1.026E-12	7.3601E-07	9.2E-08	2.5915E-13	1.24392E-15	1.2935E-13	2.07E-16
592	570470.6	4178679	0.55, 41786	0.17494	0.15487	0.16378	121.69462	47.75873	135.7735	15.21183	5.96984	16.97169	9.51E-10	7.89E-07	9.86E-08	2.94E-13	8.86E-13	7E-13	3.56E-16	8.61E-15	4.75E-16	9.44289E-15	1.189E-12	7.8858E-07	9.86E-08	3.00274E-13	1.44131E-15	1.49876E-13	2.4E-16
593	570510.6	4178679	0.55, 41786	0.2057	0.18414	0.19253	135.37794	56.46386	170.3708	16.92224	7.12807	21.29635	1.12E-09	9.9E-07	1.24E-07	3.45E-13	1.04E-12	8.23E-13	4.19E-16	1.01E-14	5.59E-16	1.11005E-14	1.398E-12	9.8952E-07	1.24E-07	3.52985E-13	1.69433E-15	1.76186E-13	2.82E-16
594	570550.6	4178679	0.55, 41786	0.2434	0.22078	0.22908	142.10791	62.60325	200.29273	17.76349	9.55219	25.03659	1.33E-09	1.16E-06	1.45E-07	4.11E-13	1.24E-12	9.79E-13	4.99E-16	1.2E-14	6.65E-16	1.32079E-14	1.663E-12	1.1633E-06	1.45E-07	4.19996E-13	2.01598E-15	2.09634E-13	3.35E-16
595	570590.6	4178679	0.55, 41786	0.29132	0.2684	0.27784	157.44437	70.02377	210.9671	21.20731	12.01595	26.37089	1.61E-09	1.23E-06	1.53E-07	4.98E-13	1.5E-12	1.19E-12	6.05E-16	1.46E-14	8.06E-16	1.60192E-14	2.017E-12	1.2253E-06	1.53E-07	5.09393E-13	2.44509E-15	2.54254E-13	4.07E-16
596	570630.6	4178679	0.55, 41786	0.34871	0.32823	0.33909	170.78411	74.6949	263.98396	24.39773	14.09383	33.40233	1.97E-09	1.53E-06	1.94E-07	6.08E-13	1.84E-12	1.45E-12	7.38E-16	1.78E-14	9.84E-16	1.95506E-14	2.462E-12	1.5332E-06	1.94E-07	6.21689E-13	2.98411E-15	3.10305E-13	4.96E-16
597	570670.6	4178679	0.55, 41786	0.41782	0.40379	0.41108	181.29369	80.27499	295.25985	25.8991	15.99045	42.12286	2.39E-09	1.71E-06	2.45E-07	7.37E-13	2.22E-12	1.76E-12	8.95E-16	2.16E-14	1.19E-15	2.37014E-14	2.985E-12	1.7148E-06	2.45E-07	7.53678E-13	3.61766E-15	3.76185E-13	6.02E-16
598	570710.6	4178679	0.55, 41786	0.49876	0.49687	0.48618	185.88712	90.92914	287.65142	26.5553	19.21501	39.31628	2.82E-09	1.67E-06	2.28E-07	8.72E-13	2.63E-12	2.08E-12	1.06E-15	2.56E-14	1.41E-15	2.80317E-14	3.53E-12	1.6707E-06	2.28E-07	8.91376E-13	4.27861E-15	4.44914E-13	7.12E-16
599	570750.6	4178679	0.55, 41786	0.59336	0.60818	0.55751	195.07014	97.11431	330.72411	27.40212	20.89244	45.57898	3.24E-09	1.92E-06	2.65E-07	9.99E-13	3.02E-12	2.38E-12	1.21E-15	2.93E-14	1.62E-15	3.21449E-14	4.048E-12	1.9208E-06	2.65E-07	1.02217E-12	4.90643E-15	5.10199E-13	8.16E-16
600	570790.6	4178679	0.55, 41786	0.71288	0.74367	0.61675	232.56486	100.08812	327.08033	29.70634	25.09865	40.88504	3.58E-09	1.9E-06	2.37E-07	1.11E-12	3.34E-12	2.64E-12	1.34E-15	3.24E-14	1.79E-15	3.55617E-14	4.479E-12	1.8997E-06	2.37E-07	1.13082E-12	5.42795E-15	5.6443E-13	9.03E-16
601	570830.6	4178679	0.55, 41786	0.82835	0.8948	0.66469	250.25968	113.32691	367.70207	36.36599	33.16876	46.21837	3.86E-09	2.14E-06	2.68E-07	1.19E-12	3.6E-12	2.84E-12	1.45E-15	3.5E-14	1.93E-15	3.83273E-14	4.827E-12	2.1356E-06	2.68E-07	1.21877E-12	5.85008E-15	6.08325E-13	9.73E-16
602	570870.6	4178679	0.55, 41786	0.92801	1.04065	0.83445	269.45277	158.88347	492.55659	39.41339	35.15016	62.53118	4.85E-09	2.86E-06	3.63E-07	1.5E-12	4.52E-12	3.57E-12	1.82E-15	4.39E-14	2.42E-15	4.81146E-14	6.06E-12	2.8608E-06	3.63E-07	1.52999E-12	7.34397E-15	7.63669E-13	1.22E-15
603	570910.6	4178679	0.55, 41786	1.03394	1.13081	0.83809	259.70616	144.94226	471.11442	42.20689	35.5523	58.8893	4.87E-09	2.74E-06	3.42E-07	1.5E-12	4.54E-12	3.58E-12	1.82E-15	4.41E-14	2.43E-15	4.83259E-14	6.086E-12	2.7362E-06	3.42E-07	1.53671E-12	7.37621E-15	7.67022E-13	1.23E-15
604	570950.6	4178679	0.55, 41786	1.05684	1.13643	0.82319	242.80014	123.49716	418.67106	39.92153	30.15323	58.18912	4.78E-09	2.43E-06	3.38E-07	1.48E-12	4.46E-12	3.52E-12	1.79E-15	4.33E-14	2.39E-15	4.74672E-14	5.978E-12	2.4316E-06	3.38E-07	1.5094E-12	7.24514E-15	7.53392E-13	1.21E-15
605	570990.6	4178679	0.55, 41786	1.01802	1.09421	0.82722	255.86386	105.93706	407.98363	37.15781	26.85338	67.99727	4.81E-09	2.37E-06	3.95E-07	1.48E-12	4.48E-12	3.54E-12	1.8E-15	4.35E-14	2.4E-15	4.76988E-14	6.007E-12	2.3695E-06	3.95E-07	1.51677E-12	7.2805E-15	7.57068E-13	1.21E-15
606	571030.6	4178679	0.55, 41786	0.98373	1.03259	0.8073	224.24787	96.85684	406.17161	32.03518	21.71644	50.77145	4.69E-09	2.36E-06	2.95E-07	1.45E-12	4.37E-12	3.45E-12	1.76E-15	4.24E-14	2.34E-15	4.65497E-14	5.862E-12	2.359E-06	2.95E-07	1.48023E-12	7.1051E-15	7.3883E-13	1.18E-15
607	571070.6	4178679	0.55, 41786	0.92088	0.95493	0.77727	234.21131	81.25508	306.97474	29.84103	18.74017	38.37184	4.52E-09	1.78E-06	2.23E-07	1.39E-12	4.21E-12	3.32E-12	1.69E-15	4.09E-14	2.26E-15	4.48175E-14	5.644E-12	1.7829E-06	2.23E-07	1.42515E-12	6.84071E-15	7.11337E-13	1.14E-15
608	571110.6	4178679	0.55, 41786	0.85296	0.87816	0.75636	249.82687	76.90023	376.11255	32.83771	18.41049	47.06858	4.39E-09	2.18E-06	2.73E-07	1.36E-12	4.09E-12	3.23E-12	1.65E-15	3.98E-14	2.2E-15	4.3611E-14	5.492E-12	2.1844E-06	2.73E-07	1.38678E-12	6.65656E-15	6.92188E-13	1.11E-15
609	571150.6	4178679	0.55, 41786	0.78449	0.80428	0.7091	184.12399	71.8753	265.86204	26.94504	17.68151	37.98029	4.12E-09	1.54E-06	2.21E-07	1.27E-12	3.84E-12	3.03E-12	1.54E-15	3.73E-14	2.06E-15	4.08858E-14	5.149E-12	1.5441E-06	2.21E-07	1.30012E-12	6.24059E-15	6.48933E-13	1.04E-15
610	571190.6	4178679	0.55, 41786	0.70872	0.73542	0.64227	192.12547	69.23049	267.93218	27.25383	16.04767	37.1098	3.73E-09	1.56E-06	2.16E-07	1.15E-12	3.48E-12	2.75E-12	1.4E-15	3.38E-14	1.86E-15	3.70325E-14	4.664E-12	1.5561E-06	2.16E-07	1.17759E-12	5.65245E-15	5.87775E-13	9.4E-16
611	571230.6	4178679	0.55, 41786	0.64141	0.6715	0.58509	152.95792	62.82263	210.7281	21.78847	14.44714	29.62503	3.4E-09	1.22E-06	1.72E-07	1.05E-12	3.17E-12	2.5E-12	1.27E-15	3.08E-14	1.7E-15	3.37356E-14	4.249E-12	1.2239E-06	1.72E-07	1.07276E-12	5.14923E-15	5.35447E-13	8.57E-16
612	571270.6	4178679	0.55, 41786	0.5854	0.61191	0.54631	124.65244	57.66905	171.62004	20.54509	12.75642	28.60334	3.17E-09	9.97E-07	1.66E-07	9.79E-13	2.96E-12	2.34E-12	1.19E-15	2.87E-14	1.59E-15	3.14994E-14	3.967E-12	9.9677E-07	1.66E-07	1.00165E-12	4.8079E-15	4.99954E-13	8E-16
613	571310.6	4178679	0.55, 41786	0.53447	0.5582	0.50849	125.80787	55.1913	171.33448	17.97255	11.70277	24.47635	2.95E-09	9.95E-07	1.42E-07	9.12E-13	2.75E-12	2.17E-12	1.11E-15	2.67E-14	1.48E-15	2.93186E-14	3.692E-12	9.9511E-07	1.42E-07	9.32298E-13	4.47503E-15	4.6534E-13	7.45E-16
614	571350.6	4178679	0.55, 41786	0.48504	0.50906	0.46427	111.39997	53.56601	157.83086	13.925	11.19981	19.72886	2.7E-09	9.17E-07	1.15E-07	8.32E-13	2.51E-12	1.98E-12	1.01E-15	2.44E-14	1.35E-15	2.67689E-14	3.371E-12	9.1668E-07	1.15E-07	8.51222E-13	4.08587E-15	4.24872E-13	6.8E-16
615	571390.6	4178679	0.55, 41786	0.44312	0.4655	0.42576	107.51836	51.27371	117.14548	13.43979	10.40254	14.64318	2.47E-09	6.8E-07	8.51E-08	7.63E-13	2.3E-12	1.82E-12	9.27E-16	2.24E-14	1.24E-15	2.45485E-14	3.092E-12	6.804E-07	8.51E-08	7.80615E-13	3.74695E-15	3.8963E-13	6.23E-16
616	571430.6	4178679	0.55, 41786	0.41031	0.42684	0.39928	122.12368	48.88835	136.65658	17.23844	9.36082	18.91196	2.32E-09	7.94E-07	1.1E-07	7.16E-13	2.16E-12	1.71E-12	8.69E-16	2.1E-14	1.16E-15	2.30215E-14	2.899E-12	7.9371E-07	1.1E-07	7.3206E-13	3.51389E-15	3.65395E-13	5.85E-16
617	571470.6	4178679	0.55, 41786	0.38401	0.39267	0.38101	130.83453	46.56818	169.29762	18.03085	8.50414	22.62935	2.21E-09	9.83E-07	1.31E-07	6.83E-13	2.06E-12	1.63E-12	8.29E-16	2E-14	1.11E-15	2.19679E-14	2.767E-12	9.8327E-07	1.31E-07	6.98556E-13	3.35307E-15	3.48672E-13	5.58E-16
618	571510.6	4178679	0.55, 41786	0.35733	0.36026	0.36021	104.69184	43.30646	125.50481	14.57371	7.68103	16.95061	2.09E-09	7.29E-07	9.85E-08	6.46E-13	1.95E-12	1.54E-12	7.84E-16	1.89E-14	1.05E-15	2.07685E-14	2.616E-12	7.2894E-07	9.85E-08	6.60415E-13	3.16999E-15	3.29634E-13	5.27E-16
619	571550.6	4178679	0.55, 41786	0.32923	0.33046	0.33426	93.91251	40.06683	115.0705	13.41607	6.60436	16.43864	1.94E-09	6.68E-07	9.55E-08	5.99E-13	1.81E-12	1.43E-12	7.28E-16	1.76E-14	9.7E-16	1.92722E-14	2.427E-12	6.6833E-07	9.55E-08	6.12836E-13	2.94161E-15	3.05886E-13	4.89E-16
620	571590.6	4178679	0.55, 41786	0.30119	0.30402	0.3057	90.51235	37.8645	108.48539	11.49242	5.95997	13.56067	1.78E-09	6.3E-07	7.88E-08	5.48E-13	1.65E-12	1.31E-12	6.65E-16	1.61E-14	8.87E-16	1.76256E-14	2.22E-12	6.3009E-07	7.88E-08	5.60475E-13	2.69028E-15	2.79751E-13	4.48E-16
621	570310.6	4178719	0.55, 41787	0.10285	0.08839	0.09803	86.08959	31.99227	98.88317	10.7612	4.57032	12.3604	5.69E-10	5.74E-07	7.18E-08	1.76E-13	5.31E-13	4.19E-13	2.13E-16	5.15E-15	2.85E-16	5.65195E-15	7.118E-13	5.7432E-07	7.18E-08	1.79726E-13	8.62684E-16	8.97069E-14	1.44E-16
622	570350.6	4178719	0.55, 41787	0.11563	0.10049	0.11012	90.6137	34.18211	105.82439	11.32671	4.88316	13.22805	6.4E-10	6.15E-07	7.68E-08	1.97E-13	5.96E-13	4.71E-13	2.4E-16	5.79E-15	3.2E-16	6.34902E-15	7.996E-13	6.1463E-07	7.68E-08	2.01892E-13	9.69081E-16	1.00771E-13	1.61E-16
623	570390.6	4178719	0.55, 41787	0.13114	0.11521	0.12472	102.01088	38.97546	110.90458	12.75136	5.08393	13.86307	7.24E-10	6.44E-07	8.05E-08	2.24E-13	6.75E-13	5.33E-13	2.71E-16	6.56E-15	3.62E-16	7.19081E-15	9.056E-13	6.4414E-07	8.05E-08	2.2866E-13	1.09757E-15	1.14131E-13	1.83E-16
624	570430.6	4178719	0.55, 41787	0.15	0.13322	0.1425	114.28488	46.41789	135.81295	14.28561	5.80224	16.97662	8.28E-10	7.89E-07	9.86E-08	2.55E-13	7.71E-13	6.09E-13	3.1E-16	7.49E-15	4.14E-16	8.21595E-15	1.035E-12	7.8881E-07	9.86E-08	2.61258E-13	1.25404E-15	1.30402E-13	2.09E-16
625	570470.6	4178719	0.55, 41787	0.17288	0.1553	0.16447	122.16306	52.59309	158.80652	15.27038	6.67803	19.85082	9.55E-10	9.22E-07	1.15E-07	2.95E-13	8.9E-13	7.03E-13	3.58E-16	8.65E-15	4.77E-16	9.48266E-15	1.194E-12	9.2235E-07	1.15E-07	3.01538E-13	1.44738E-15	1.50507E-13	2.41E-16
626	570510.6	4178719	0.55, 41787	0.1999	0.18201	0.19124	126.87173	56.8638	170.00598	15.85897	8.56143	21.25075	1.11E-09	9.87E-07	1.23E-07	3.43E-13	1.04E-12	8.18E-13	4.16E-16	1.01E-14	5.55E-16	1.10261E-14	1.389E-12	9.874E-07	1.23E-07	3.50619E-13	1.68297E-15	1.75005E-13	2.8E-16
627	570550.6	4178719	0.55, 41787	0.2328	0.21534	0.22528	141.7684	62.68438	190.3461	19.27806	10.36338	23.79326	1.31E-09	1.11E-06	1.38E-07	4.04E-13	1.22E-12	9.63E-13	4.9E-16	1.18E-14	6.54E-16	1.29887E-14	1.636E-12	1.1055E-06	1.38E-07	4.13028E-13	1.98254E-15	2.06156E-13	3.3E-16
628	570590.6	4178719	0.55, 41787	0.2704	0.25529	0.2651	152.6333	65.86327	220.26265	21.80476	11.76563	29.62209	1.54E-09	1.28E-06	1.72E-07	4.75E-13	1.43E-12	1.13E-12	5.77E-16	1.39E-14	7.69E-16	1.52846E-14	1.925E-12	1.2793E-06	1.72E-07	4.86035E-13	2.33297E-15	2.42596E-13	3.88E-16
629	570630.6	4178719	0.55, 41787	0.31352	0.30328	0.30884	160.25221	70.5161	243.59554	22.89317	12.52474	34.32359	1.79E-09	1.41E-06	1.99E-07	5.54E-13	1.67E-12	1.32E-12	6.72E-16	1.62E-14	8.96E-16	1.78066E-14	2.243E-12	1.4148E-06	1.99E-07	5.6623E-13	2.71791E-15	2.82624E-13	4.52E-16
630	570670.6	4178719	0.55, 41787	0.36149	0.3594	0.35242	159.13882	79.23774	228.99362	22.73412	14.05012	31.24302	2.05E-09	1.33E-06	1.81E-07	6.32E-13	1.91E-12	1.51E-12	7.67E-16	1.85E-14	1.02E-15	2.03195E-14	2.559E-12	1.33E-06	1.81E-07	6.46137E-13	3.10146E-15	3.22507E-13	5.16E-16
631	570710.6	4178719	0.55, 41787	0.41184	0.42167	0.39325	168.39934	82.78202	268.08178	23.84947	15.22445	37.49142	2.28E-09	1.56E-06	2.18E-07	7.05E-13	2.13E-12	1.68E-12	8.56E-16	2.07E-14	1.14E-15	2.26739E-14	2.856E-12	1.557E-06	2.18E-07	7.21005E-13	3.46083E-15	3.59877E-13	5.76E-16
632	570750.6	4178719	0.55, 41787	0.46631	0.48852	0.43046	193.26616	81.97611	266.60906	24.83922	16.78199	33.32613	2.5E-09	1.55E-06	1.94E-07	7.72E-13	2.33E-12	1.84E-12	9.37E-16	2.26E-14	1.25E-15	2.48197E-14	3.126E-12	1.5485E-06	1.94E-07	7.89241E-13	3.78836E-15	3.93935E-13	6.3E-16
633	570790.6	4178719	0.55, 41787	0.5297	0.5627	0.45402	208.56721	92.88706	267.98327	26.09236	23.00092	33.50993	2.64E-09	1.56E-06	1.95E-07	8.14E-13	2.46E-12	1.94E-12	9.88E-16	2.39E-14	1.32E-15	2.61789E-14	3.297E-12	1.5565E-06	1.95E-07	8.32461E-13	3.99581E-15	4.15508E-13	6.65E-16
634	570830.6	4178719	0.55, 41787	0.58417	0.63922	0.49731	206.25232	102.59816	258.13483	28.9378	25.69667	32.26685	2.89E-09	1.5E-06	1.87E-07	8.92E-13	2.69E-12	2.13E-12	1.08E-15	2.61E-14	1.44E-15	2.86754E-14	3.611E-12	1.4993E-06	1.87E-07	9.11846E-13	4.37686E-15	4.55131E-13	7.28E-16
635	570870.6	4178719	0.55, 41787	0.63384	0.71183	0.60618	208.40577	136.85909	408.7133	28.70976	24.7437	51.08916	3.52E-09	2.37E-06	2.97E-07	1.09E-12	3.28E-12	2.59E-12	1.32E-15	3.19E-14	1.76E-15	3.49518E-14	4.402E-12	2.3738E-06	2.97E-07	1.11143E-12	5.33487E-15	5.5475E-13	8.88E-16
636	570910.6	4178719	0.55, 41787	0.68401	0.75343	0.58123	211.07044	124.31957	366.90455	30.70854	25.49482	45.86307	3.38E-09	2.13E-06	2.66E-07	1.04E-12	3.15E-12	2.49E-12	1.27E-15	3.06E-14	1.69E-15	3.35144E-14	4.221E-12	2.131E-06	2.66E-07	1.06572E-12	5.11546E-15	5.31935E-13	8.51E-16
637	570950.6	4178719	0.55, 41787	0.69007	0.76497	0.57081	207.10313	108.18225	376.87466	30.79195	24.65468	47.10933	3.32E-09	2.19E-06	2.74E-07	1.02E-12	3.09E-12	2.44E-12	1.24E-15	3E-14	1.66E-15	3.29139E-14	4.145E-12	2.1889E-06	2.74E-07	1.04663E-12	5.02381E-15	5.22405E-13	8.36E-16
638	570990.6	4178719	0.55, 41787	0.68048	0.74999	0.58632	206.58356	95.47159	294.44278	32.17827	21.60129	36.80535	3.41E-09	1.71E-06	2.14E-07	1.05E-12	3.17E-12	2.51E-12	1.28E-15	3.08E-14	1.7E-15	3.38077E-14	4.258E-12	1.7101E-06	2.14E-07	1.07505E-12	5.16023E-15	5.36591E-13	8.59E-16
639	571030.6	4178719	0.55, 41787	0.66194	0.72353	0.59736	210.3532	86.11281	328.15995	30.372	18.42489	51.15716	3.47E-09	1.91E-06	2.97E-07	1.07E-12	3.23E-12	2.55E-12	1.3E-15	3.14E-14	1.73E-15	3.44436E-14	4.338E-12	1.9059E-06	2.97E-07	1.09527E-12	5.2573E-15	5.46685E-13	8.75E-16
640	571070.6	4178719	0.55, 41787	0.64029	0.68839	0.56269	181.70859	76.31707	252.84162	22.73215	15.52213	31.6052	3.27E-09	1.47E-06	1.84E-07	1.01E-12	3.05E-12	2.41E-12	1.22E-15	2.96E-14	1.63E-15	3.24447E-14	4.086E-12	1.4685E-06	1.84E-07	1.03171E-12	4.95219E-15	5.14958E-13	8.24E-16
641	571110.6	4178719	0.55, 41787	0.60626	0.64543	0.53034	207.95149	70.27092	268.27126	26.16426	14.32632	33.53391	3.08E-09	1.56E-06	1.95E-07	9.51E-13	2.87E-12	2.27E-12	1.15E-15	2.79E-14	1.54E-15	3.05794E-14	3.851E-12	1.5581E-06	1.95E-07	9.72391E-13	4.66748E-15	4.85351E-13	7.77E-16
642	571150.6	4178719	0.55, 41787	0.57256	0.60327	0.52806	200.64391	66.12781	289.68563	25.68735	14.52342	36.23202	3.07E-09	1.68E-06	2.1E-07	9.47E-13	2.86E-12	2.26E-12	1.15E-15	2.78E-14	1.53E-15	3.04473E-14	3.835E-12	1.6825E-06	2.1E-07	9.68191E-13	4.64732E-15	4.83255E-13	7.73E-16
643	571190.6	4178719	0.55, 41787	0.53842	0.56251	0.50995	154.3512	63.9477	213.38711	22.19645	14.00077	30.48387	2.96E-09	1.24E-06	1.77E-07	9.14E-13	2.76E-12	2.18E-12	1.11E-15	2.68E-14	1.48E-15	2.94028E-14	3.703E-12	1.2393E-06	1.77E-07	9.34977E-13	4.48789E-15	4.66677E-13	7.47E-16
644	571230.6	4178719	0.55, 41787	0.49735	0.52247	0.4676	159.72675	60.41971	199.28282	22.34048	12.75874	27.30767	2.72E-09	1.16E-06	1.59E-07	8.38E-13	2.53E-12	2E-12	1.02E-15	2.46E-14	1.36E-15	2.69611E-14	3.395E-12	1.1574E-06	1.59E-07	8.57332E-13	4.1152E-15	4.27922E-13	6.85E-16
645	571270.6	4178719	0.55, 41787	0.45612	0.4836	0.42898	144.14128	55.22387	195.55309	20.17616	11.51496	26.9261	2.49E-09	1.14E-06	1.56E-07	7.69E-13	2.32E-12	1.83E-12	9.34E-16	2.26E-14	1.25E-15	2.47343E-14	3.115E-12	1.1358E-06	1.56E-07	7.86526E-13	3.77532E-15	3.9258E-13	6.28E-16
646	571310.6	4178719	0.55, 41787	0.42006	0.44717	0.39945	118.44349	52.26024	154.81704	17.97136	10.56882	25.80284	2.32E-09	8.99E-07	1.5E-07	7.16E-13	2.16E-12	1.71E-12	8.69E-16	2.1E-14	1.16E-15	2.30316E-14	2.901E-12	8.9918E-07	1.5E-07	7.32381E-13	3.51543E-15	3.65555E-13	5.85E-16
647	571350.6	4178719	0.55, 41787	0.38785	0.41385	0.37184	109.17018	50.24459	147.83356	14.07795	10.0186	18.4792	2.16E-09	8.59E-07	1.07E-07	6.67E-13	2.01E-12	1.59E-12	8.09E-16	1.96E-14	1.08E-15	2.14397E-14	2.7E-12	8.5862E-07	1.07E-07	6.81758E-13	3.27244E-15	3.40287E-13	5.44E-16
648	571390.6	4178719	0.55, 41787	0.35875	0.38356	0.34391	87.70597	48.80309	113.13015	10.96325	9.64341	14.14127	2E-09	6.57E-07	8.21E-08	6.16E-13	1.86E-12	1.47E-12	7.49E-16	1.81E-14	9.98E-16	1.98293E-14	2.497E-12	6.5708E-07	8.21E-08	6.30549E-13	3.02664E-15	3.14727E-13	5.04E-16
649	571430.6	4178719	0.55, 41787	0.33385	0.35563	0.32061	80.9107	47.09106	69.47289	11.59229	8.99084	10.76512	1.86E-09	4.04E-07	6.25E-08	5.75E-13	1.74E-12	1.37E-12	6.98E-16	1.69E-14	9.31E-16	1.84858E-14	2.328E-12	4.0354E-07	6.25E-08	5.87829E-13	2.82158E-15	2.93404E-13	4.69E-16
650	571470.6	4178719	0.55, 41787	0.31507	0.33052	0.30587	111.40642	45.19171	126.48359	15.57659	8.16367	17.53078	1.78E-09	7.35E-07	1.02E-07	5.48E-13	1.66E-12	1.31E-12	6.66E-16	1.61E-14	8.88E-16	1.76358E-14	2.221E-12	7.3463E-07	1.02E-07	5.60799E-13	2.69184E-15	2.79913E-13	4.48E-16
651	571510.6	4178719	0.55, 41787	0.29891	0.30701	0.29518	116.70467	43.07153	146.87884	15.95519	7.46065	19.6972	1.71E-09	8.53E-07	1.14E-07	5.29E-13	1.6E-12	1.26E-12	6.43E-16	1.55E-14	8.57E-16	1.70192E-14	2.143E-12	8.5307E-07	1.14E-07	5.41194E-13	2.59773E-15	2.70127E-13	4.32E-16
652	571550.6	4178719	0.55, 41787	0.28299	0.28542	0.28355	93.20798	40.2806	109.70993	12.81909	6.80365	14.78577	1.65E-09	6.37E-07	8.59E-08	5.08E-13	1.53E-12	1.21E-12	6.17E-16	1.49E-14	8.23E-16	1.63486E-14	2.059E-12	6.372E-07	8.59E-08	5.19866E-13	2.49536E-15	2.59482E-13	4.15E-16
653	571590.6	4178719	0.55, 41787	0.2649	0.26495	0.26753	84.18961	37.57199	100.50298	12.02709	5.93847	14.35757	1.55E-09	5.84E-07	8.34E-08	4.8E-13	1.45E-12	1.14E-12	5.82E-16	1.41E-14	7.76E-16	1.54248E-14	1.943E-12	5.8373E-07	8.34E-08	4.90493E-13	2.35437E-15	2.44821E-13	3.92E-16
654	570310.6	4178759	0.55, 41787	0.10291	0.08971	0.0989	86.89901	32.22927	93.76167	10.86238	4.40505	11.72021	5.74E-10	5.45E-07	6.81E-08	1.77E-13	5.35E-13	4.23E-13	2.15E-16	5.2E-15	2.87E-16	5.70211E-15	7.181E-13	5.4457E-07	6.81E-08	1.81321E-13	8.70341E-16	9.05031E-14	1.45E-16
655	570350.6	4178759	0.55, 41787	0.11544	0.10167	0.11074	97.89636	38.6449	111.66772	12.23704	4.83061	13.95846	6.43E-10	6.49E-07	8.11E-08	1.99E-13	5.99E-13	4.73E-13	2.41E-16	5.82E-15	3.21E-16	6.38477E-15	8.041E-13	6.4857E-07	8.11E-08	2.03029E-13	9.74538E-16	1.01338E-13	1.62E-16
656	570390.6	4178759	0.55, 41787	0.13027	0.11595	0.12485	105.67733	44.34348	129.76492	13.20967	5.54293	16.22061	7.25E-10	7.54E-07	9.42E-08	2.24E-13	6.76E-13	5.34E-13	2.72E-16	6.56E-15	3.62E-16	7.19831E-15	9.066E-13	7.5368E-07	9.42E-08	2.28898E-13	1.09871E-15	1.14251E-13	1.83E-16
657	570430.6	4178759	0.55, 41787	0.14773	0.133	0.14184	109.21499	48.49986	141.11126	13.65187	6.24447	17.63891	8.24E-10	8.2E-07	1.02E-07	2.54E-13	7.68E-13	6.06E-13	3.09E-16	7.46E-15	4.12E-16	8.1779E-15	1.03E-12	8.1958E-07	1.02E-07	2.60048E-13	1.24823E-15	1.29798E-13	2.08E-16
658	570470.6	4178759	0.55, 41787	0.16767	0.15301	0.16202	117.79795	52.53636	140.35154	14.72474	7.71399	17.54394	9.41E-10	8.15E-07	1.02E-07	2.9E-13	8.77E-13	6.93E-13	3.53E-16	8.52E-15	4.7E-16	9.3414E-15	1.176E-12	8.1517E-07	1.02E-07	2.97047E-13	1.42582E-15	1.48265E-13	2.37E-16
659	570510.6	4178759	0.55, 41787	0.191	0.17712	0.1864	128.29828	56.17436	171.94141	17.6792	9.03197	21.49268	1.08E-09	9.99E-07	1.25E-07	3.34E-13	1.01E-12	7.97E-13	4.06E-16	9.8E-15	5.41E-16	1.07471E-14	1.353E-12	9.9864E-07	1.25E-07	3.41745E-13	1.64038E-15	1.70576E-13	2.73E-16
660	570550.6	4178759	0.55, 41787	0.21672	0.20498	0.21341	137.63049	58.52483	184.29573	19.6615	9.95092	26.17497	1.24E-09	1.07E-06	1.52E-07	3.83E-13	1.16E-12	9.12E-13	4.65E-16	1.12E-14	6.19E-16	1.23044E-14	1.55E-12	1.0704E-06	1.52E-07	3.91266E-13	1.87808E-15	1.95293E-13	3.12E-16
661	570590.6	4178759	0.55, 41787	0.24504	0.23724	0.24166	142.23889	62.68425	205.21483	20.31984	10.25836	28.57469	1.4E-09	1.19E-06	1.66E-07	4.33E-13	1.31E-12	1.03E-12	5.26E-16	1.27E-14	7.01E-16	1.39332E-14	1.755E-12	1.1919E-06	1.66E-07	4.43062E-13	2.1267E-15	2.21146E-13	3.54E-16
662	570630.6	4178759	0.55, 41787	0.27554	0.27375	0.26892	139.19636	70.02218	188.40794	19.61007	11.07526	25.7042	1.56E-09	1.09E-06	1.49E-07	4.82E-13	1.46E-12	1.15E-12	5.85E-16	1.41E-14	7.8E-16	1.55051E-14	1.953E-12	1.0943E-06	1.49E-07	4.93045E-13	2.36662E-15	2.46095E-13	3.94E-16
663	570670.6	4178759	0.55, 41787	0.30614	0.31293	0.29402	149.31547	72.47289	221.2081	21.10931	12.07881	31.37185	1.71E-09	1.28E-06	1.82E-07	5.27E-13	1.59E-12	1.26E-12	6.4E-16	1.55E-14	8.53E-16	1.69525E-14	2.135E-12	1.2848E-06	1.82E-07	5.39071E-13	2.58754E-15	2.69067E-13	4.31E-16
664	570710.6	4178759	0.55, 41787	0.33494	0.35231	0.31792	164.794	71.08708	213.69891	21.55176	13.08376	26.71236	1.85E-09	1.24E-06	1.55E-07	5.7E-13	1.72E-12	1.36E-12	6.92E-16	1.67E-14	9.23E-16	1.83307E-14	2.309E-12	1.2412E-06	1.55E-07	5.82897E-13	2.7979E-15	2.90942E-13	4.66E-16
665	570750.6	4178759	0.55, 41787	0.36674	0.3924	0.33661	179.38877	78.60477	216.64393	22.4236	16.36841	27.08049	1.96E-09	1.26E-06	1.57E-07	6.03E-13	1.82E-12	1.44E-12	7.33E-16	1.77E-14	9.77E-16	1.94086E-14	2.444E-12	1.2583E-06	1.57E-07	6.17173E-13	2.96243E-15	3.08051E-13	4.93E-16
666	570790.6	4178759	0.55, 41787	0.40357	0.43625	0.34677	166.36606	82.34558	242.62848	21.7564	19.87746	30.35713	2.01E-09	1.41E-06	1.76E-07	6.22E-13	1.88E-12	1.48E-12	7.55E-16	1.82E-14	1.01E-15	1.99949E-14	2.518E-12	1.4092E-06	1.76E-07	6.35818E-13	3.05192E-15	3.17357E-13	5.08E-16
667	570830.6	4178759	0.55, 41787	0.43354	0.48203	0.39259	188.6599	98.62945	246.30784	24.95504	19.43466	30.78848	2.28E-09	1.43E-06	1.79E-07	7.04E-13	2.12E-12	1.68E-12	8.55E-16	2.06E-14	1.14E-15	2.26367E-14	2.851E-12	1.4306E-06	1.79E-07	7.19824E-13	3.45516E-15	3.59287E-13	5.75E-16
668	570870.6	4178759	0.55, 41787	0.46387	0.52331	0.45582	172.12292	120.25167	329.63715	21.51536	18.67269	41.20464	2.65E-09	1.91E-06	2.39E-07	8.17E-13	2.47E-12	1.95E-12	9.92E-16	2.4E-14	1.32E-15	2.6282E-14	3.31E-12	1.9145E-06	2.39E-07	8.35739E-13	4.01155E-15	4.17144E-13	6.67E-16
669	570910.6	4178759	0.55, 41787	0.49085	0.54778	0.42691	176.15826	108.72169	296.15879	23.43896	19.655	37.01985	2.48E-09	1.72E-06	2.15E-07	7.65E-13	2.31E-12	1.83E-12	9.29E-16	2.24E-14	1.24E-15	2.4616E-14	3.1E-12	1.7201E-06	2.15E-07	7.82762E-13	3.75726E-15	3.90702E-13	6.25E-16
670	570950.6	4178759	0.55, 41787	0.48762	0.55475	0.41816	180.46301	97.04885	324.78811	24.36206	20.46933	40.59851	2.43E-09	1.89E-06	2.36E-07	7.5E-13	2.26E-12	1.79E-12	9.1E-16	2.2E-14	1.21E-15	2.41117E-14	3.037E-12	1.8863E-06	2.36E-07	7.66727E-13	3.68029E-15	3.82698E-13	6.12E-16
671	570990.6	4178759	0.55, 41787	0.49051	0.55159	0.43765	151.23194	87.28492	222.11928	25.20532	17.38113	28.62893	2.54E-09	1.29E-06	1.66E-07	7.85E-13	2.37E-12	1.87E-12	9.53E-16	2.3E-14	1.27E-15	2.52351E-14	3.178E-12	1.2901E-06	1.66E-07	8.02449E-13	3.85176E-15	4.00528E-13	6.41E-16
672	571030.6	4178759	0.55, 41787	0.48428	0.53663	0.45626	187.58168	78.86438	272.43541	28.06386	15.68835	45.4059	2.65E-09	1.58E-06	2.64E-07	8.18E-13	2.47E-12	1.95E-12	9.93E-16	2.4E-14	1.32E-15	2.63076E-14	3.313E-12	1.5823E-06	2.64E-07	8.36553E-13	4.01545E-15	4.1755E-13	6.68E-16
673	571070.6	4178759	0.55, 41787	0.467	0.51625	0.43604	163.79974	72.83551	258.94072	22.54296	13.46245	32.36759	2.53E-09	1.5E-06	1.88E-07	7.82E-13	2.36E-12	1.86E-12	9.49E-16	2.29E-14	1.27E-15	2.51418E-14	3.166E-12	1.5039E-06	1.88E-07	7.99481E-13	3.83751E-15	3.99047E-13	6.38E-16
674	571110.6	4178759	0.55, 41787	0.44755	0.4933	0.39624	157.0432	65.36033	149.25903	19.63651	11.35189	22.10234	2.3E-09	8.67E-07	1.28E-07	7.1E-13	2.14E-12	1.69E-12	8.63E-16	2.08E-14	1.15E-15	2.28473E-14	2.877E-12	8.6693E-07	1.28E-07	7.2652E-13	3.4873E-15	3.62629E-13	5.8E-16
675	571150.6	4178759	0.55, 41787	0.4302	0.46818	0.38775	183.98767	62.14189	232.46693	23.05685	11.54043	29.05837	2.25E-09	1.35E-06	1.69E-07	6.95E-13	2.1E-12	1.66E-12	8.44E-16	2.04E-14	1.13E-15	2.23576E-14	2.816E-12	1.3501E-06	1.69E-07	7.10946E-13	3.41254E-15	3.54856E-13	5.68E-16
676	571190.6	4178759	0.55, 41787	0.41561	0.44245	0.39452	166.33485	59.4631	232.20811	21.02615	11.70076	29.03347	2.29E-09	1.35E-06	1.69E-07	7.07E-13	2.14E-12	1.69E-12	8.59E-16	2.07E-14	1.15E-15	2.27474E-14	2.865E-12	1.3486E-06	1.69E-07	7.23343E-13	3.47204E-15	3.61043E-13	5.78E-16
677	571230.6	4178759	0.55, 41787	0.39577	0.41616	0.38297	133.04594	57.55284	174.38403	19.00656	11.25795	24.912	2.22E-09	1.01E-06	1.45E-07	6.87E-13	2.07E-12	1.64E-12	8.34E-16	2.01E-14	1.11E-15	2.20812E-14	2.781E-12	1.0128E-06	1.45E-07	7.0216E-13	3.37037E-15	3.5047E-13	5.61E-16
678	571270.6	4178759	0.55, 41787	0.36933	0.38979	0.3568	133.93343	52.76944	163.09994	18.49966	10.32502	20.38749	2.07E-09	9.47E-07	1.18E-07	6.4E-13	1.93E-12	1.53E-12	7.77E-16	1.88E-14	1.04E-15	2.05724E-14	2.591E-12	9.4729E-07	1.18E-07	6.54179E-13	3.14006E-15	3.26522E-13	5.22E-16
679	571310.6	4178759	0.55, 41787	0.3411	0.36413	0.32902	131.1619	50.25063	168.23883	18.11843	9.56125	22.87944	1.91E-09	9.77E-07	1.33E-07	5.9E-13	1.78E-12	1.41E-12	7.16E-16	1.73E-14	9.55E-16	1.89707E-14	2.389E-12	9.7713E-07	1.33E-07	6.03248E-13	2.89559E-15	3.011E-13	4.82E-16
680	571350.6	4178759	0.55, 41787	0.31543	0.34037	0.30452	103.20737	47.94128	136.71003	14.62528	9.08266	18.8743	1.77E-09	7.94E-07	1.1E-07	5.46E-13	1.65E-12	1.3E-12	6.63E-16	1.6E-14	8.84E-16	1.75581E-14	2.211E-12	7.9402E-07	1.1E-07	5.58329E-13	2.67998E-15	2.7868E-13	4.46E-16
681	571390.6	4178759	0.55, 41787	0.29206	0.31801	0.28181	95.20975	46.26011	128.00267	11.90122	8.7596	16.00033	1.64E-09	7.43E-07	9.29E-08	5.05E-13	1.53E-12	1.2E-12	6.13E-16	1.48E-14	8.18E-16	1.62487E-14	2.046E-12	7.4345E-07	9.29E-08	5.16692E-13	2.48012E-15	2.57898E-13	4.13E-16
682	571430.6	4178759	0.55, 41787	0.27184	0.29676	0.26169	65.82255	44.97926	77.28464	8.48847	8.42183	11.06277	1.52E-09	4.49E-07	6.43E-08	4.69E-13	1.42E-12	1.12E-12	5.7E-16	1.38E-14	7.6E-16	1.50887E-14	1.9E-12	4.489E-07	6.43E-08	4.79803E-13	2.30306E-15	2.39485E-13	3.83E-16
683	571470.6	4178759	0.55, 41787	0.25781	0.27877	0.24855	74.19853	43.62462	66.74746	10.92817	7.8818	10.16339	1.44E-09	3.88E-07	5.9E-08	4.46E-13	1.35E-12	1.06E-12	5.41E-16	1.31E-14	7.21E-16	1.4331E-14	1.805E-12	3.877E-07	5.9E-08	4.5571E-13	2.18741E-15	2.27459E-13	3.64E-16
684	571510.6	4178759	0.55, 41787	0.24715	0.26193	0.24035	102.14842	42.0514	116.58455	14.2101	7.23025	16.16505	1.4E-09	6.77E-07	9.39E-08	4.31E-13	1.3E-12	1.03E-12	5.23E-16	1.26E-14	6.98E-16	1.38581E-14	1.745E-12	6.7713E-07	9.39E-08	4.40672E-13	2.11523E-15	2.19953E-13	3.52E-16
685	571550.6	4178759	0.55, 41787	0.23772	0.24585	0.23427	104.82233	40.15762	128.89855	14.31586	6.66643	17.41071	1.36E-09	7.49E-07	1.01E-07	4.2E-13	1.27E-12	1E-12	5.1E-16	1.23E-14	6.8E-16	1.35074E-14	1.701E-12	7.4864E-07	1.01E-07	4.2952E-13	2.0617E-15	2.14387E-13	3.43E-16
686	571590.6	4178759	0.55, 41787	0.22808	0.23097	0.22747	83.60184	37.747	96.99907	11.46846	6.12919	13.15855	1.32E-09	5.63E-07	7.64E-08	4.08E-13	1.23E-12	9.73E-13	4.95E-16	1.2E-14	6.6E-16	1.31152E-14	1.652E-12	5.6338E-07	7.64E-08	4.17049E-13	2.00184E-15	2.08163E-13	3.33E-16
687	570310.6	4178799	0.55, 41787	0.10253	0.09048	0.09887	92.22772	37.68456	108.42661	11.52846	4.71057	13.55333	5.74E-10	6.3E-07	7.87E-08	1.77E-13	5.35E-13	4.23E-13	2.15E-16	5.2E-15	2.87E-16	5.70039E-15	7.179E-13	6.2975E-07	7.87E-08	1.81266E-13	8.70079E-16	9.04759E-14	1.45E-16
688	570350.6	4178799	0.55, 41787	0.11434	0.10195	0.11024	96.42289	41.82094	119.06345	12.05286	5.22762	14.88293	6.4E-10	6.92E-07	8.65E-08	1.98E-13	5.97E-13	4.71E-13	2.4E-16	5.8E-15	3.2E-16	6.35595E-15	8.005E-13	6.9153E-07	8.65E-08	2.02112E-13	9.7014E-16	1.00881E-13	1.61E-16
689	570390.6	4178799	0.55, 41787	0.12785	0.11532	0.12365	96.70849	44.28794	121.57528	12.08856	5.83168	15.19691	7.18E-10	7.06E-07	8.83E-08	2.22E-13	6.69E-13	5.29E-13	2.69E-16	6.5E-15	3.59E-16	7.12913E-15	8.978E-13	7.0612E-07	8.83E-08	2.26699E-13	1.08815E-15	1.13152E-13	1.81E-16
690	570430.6	4178799	0.55, 41787	0.14288	0.13064	0.13911	109.4746	48.39009	132.26529	13.83026	6.97525	16.53316	8.08E-10	7.68E-07	9.6E-08	2.49E-13	7.53E-13	5.95E-13	3.03E-16	7.31E-15	4.04E-16	8.0205E-15	1.01E-12	7.6821E-07	9.6E-08	2.55043E-13	1.22421E-15	1.273E-13	2.04E-16
691	570470.6	4178799	0.55, 41787	0.15993	0.14857	0.15692	116.3647	50.80214	153.38363	16.31235	7.92735	19.17295	9.12E-10	8.91E-07	1.11E-07	2.81E-13	8.49E-13	6.71E-13	3.42E-16	8.25E-15	4.55E-16	9.04736E-15	1.139E-12	8.9085E-07	1.11E-07	2.87696E-13	1.38094E-15	1.43598E-13	2.3E-16
692	570510.6	4178799	0.55, 41787	0.17816	0.16871	0.17591	124.77861	52.11481	162.22151	17.82552	8.49382	23.1745	1.02E-09	9.42E-07	1.35E-07	3.15E-13	9.52E-13	7.52E-13	3.83E-16	9.25E-15	5.11E-16	1.01423E-14	1.277E-12	9.4218E-07	1.35E-07	3.22513E-13	1.54806E-15	1.60977E-13	2.58E-16
693	570550.6	4178799	0.55, 41787	0.19752	0.19131	0.19507	126.89522	56.18657	175.78093	18.12789	8.51005	24.21863	1.13E-09	1.02E-06	1.41E-07	3.5E-13	1.06E-12	8.34E-13	4.25E-16	1.03E-14	5.66E-16	1.1247E-14	1.416E-12	1.0209E-06	1.41E-07	3.57643E-13	1.71669E-15	1.78511E-13	2.86E-16
694	570590.6	4178799	0.55, 41787	0.21773	0.21627	0.21308	122.68072	62.5324	158.46837	17.14296	9.80776	21.67538	1.24E-09	9.2E-07	1.26E-07	3.82E-13	1.15E-12	9.11E-13	4.64E-16	1.12E-14	6.18E-16	1.22855E-14	1.547E-12	9.204E-07	1.26E-07	3.90666E-13	1.8752E-15	1.94994E-13	3.12E-16
695	570630.6	4178799	0.55, 41787	0.23771	0.24268	0.22932	133.9153	64.36556	188.20796	18.95021	10.72759	26.70167	1.33E-09	1.09E-06	1.55E-07	4.11E-13	1.24E-12	9.8E-13	4.99E-16	1.21E-14	6.66E-16	1.3222E-14	1.665E-12	1.0931E-06	1.55E-07	4.20446E-13	2.01814E-15	2.09858E-13	3.36E-16
696	570670.6	4178799	0.55, 41787	0.25595	0.26895	0.24514	141.94782	63.09907	182.20008	19.13844	10.57117	23.96944	1.42E-09	1.06E-06	1.39E-07	4.39E-13	1.33E-12	1.05E-12	5.34E-16	1.29E-14	7.11E-16	1.41343E-14	1.78E-12	1.0582E-06	1.39E-07	4.49455E-13	2.15739E-15	2.24338E-13	3.59E-16
697	570710.6	4178799	0.55, 41787	0.27273	0.29382	0.2595	157.12572	66.69563	192.86918	19.64072	11.93189	24.10865	1.51E-09	1.12E-06	1.4E-07	4.65E-13	1.4E-12	1.11E-12	5.65E-16	1.36E-14	7.53E-16	1.49624E-14	1.884E-12	1.1202E-06	1.4E-07	4.75788E-13	2.28378E-15	2.37481E-13	3.8E-16
698	570750.6	4178799	0.55, 41787	0.29355	0.31916	0.26739	152.65771	72.44297	180.42039	19.08221	15.18472	22.55534	1.55E-09	1.05E-06	1.31E-07	4.79E-13	1.45E-12	1.14E-12	5.82E-16	1.41E-14	7.76E-16	1.54176E-14	1.942E-12	1.0479E-06	1.31E-07	4.90262E-13	2.35326E-15	2.44706E-13	3.92E-16
699	570790.6	4178799	0.55, 41787	0.31688	0.34759	0.27611	157.73005	72.26845	195.86787	20.13646	16.34526	24.48348	1.6E-09	1.14E-06	1.42E-07	4.95E-13	1.49E-12	1.18E-12	6.01E-16	1.45E-14	8.01E-16	1.59206E-14	2.005E-12	1.1376E-06	1.42E-07	5.06259E-13	2.43004E-15	2.5269E-13	4.04E-16
700	570830.6	4178799	0.55, 41787	0.33524	0.37796	0.31984	162.23746	94.66133	234.71664	21.09567	14.73083	29.33958	1.86E-09	1.36E-06	1.7E-07	5.73E-13	1.73E-12	1.37E-12	6.96E-16	1.68E-14	9.28E-16	1.84417E-14	2.323E-12	1.3633E-06	1.7E-07	5.86427E-13	2.81485E-15	2.92705E-13	4.68E-16
701	570870.6	4178799	0.55, 41787	0.35595	0.40358	0.35265	158.80625	107.46352	263.60655	19.85078	16.70272	32.95082	2.05E-09	1.53E-06	1.91E-07	6.32E-13	1.91E-12	1.51E-12	7.68E-16	1.85E-14	1.02E-15	2.03333E-14	2.561E-12	1.5311E-06	1.91E-07	6.46578E-13	3.10357E-15	3.22728E-13	5.16E-16
702	570910.6	4178799	0.55, 41787	0.3676	0.41723	0.32417	150.41188	96.98395	247.06251	18.80149	15.72408	30.88281	1.88E-09	1.43E-06	1.79E-07	5.81E-13	1.75E-12	1.39E-12	7.06E-16	1.7E-14	9.41E-16	1.86919E-14	2.354E-12	1.435E-06	1.79E-07	5.94383E-13	2.85304E-15	2.96676E-13	4.75E-16
703	570950.6	4178799	0.55, 41787	0.34637	0.40141	0.30552	159.46188	87.41269	275.63404	19.93273	16.48069	34.45425	1.77E-09	1.6E-06	2E-07	5.48E-13	1.65E-12	1.31E-12	6.65E-16	1.61E-14	8.87E-16	1.76167E-14	2.219E-12	1.6009E-06	2E-07	5.60191E-13	2.68892E-15	2.79609E-13	4.47E-16
704	570990.6	4178799	0.55, 41787	0.35579	0.40756	0.32647	119.48057	79.68844	146.33228	17.5796	14.60553	25.33485	1.9E-09	8.5E-07	1.47E-07	5.85E-13	1.77E-12	1.4E-12	7.11E-16	1.72E-14	9.48E-16	1.88244E-14	2.371E-12	8.4995E-07	1.47E-07	5.98594E-13	2.87325E-15	2.98777E-13	4.78E-16
705	571030.6	4178799	0.55, 41787	0.37225	0.416	0.35619	155.14917	72.93395	196.55996	24.86673	12.948	30.87431	2.07E-09	1.14E-06	1.79E-07	6.39E-13	1.93E-12	1.52E-12	7.75E-16	1.87E-14	1.03E-15	2.05376E-14	2.586E-12	1.1416E-06	1.79E-07	6.53073E-13	3.13475E-15	3.2597E-13	5.22E-16
706	571070.6	4178799	0.55, 41787	0.3594	0.40135	0.34666	158.59146	67.81733	220.83512	22.65592	11.74555	33.70367	2.01E-09	1.28E-06	1.96E-07	6.21E-13	1.88E-12	1.48E-12	7.55E-16	1.82E-14	1.01E-15	1.9988E-14	2.517E-12	1.2826E-06	1.96E-07	6.35598E-13	3.05087E-15	3.17247E-13	5.08E-16
707	571110.6	4178799	0.55, 41787	0.34191	0.38638	0.31575	133.9595	62.41991	198.12185	16.74494	10.40332	24.76523	1.83E-09	1.15E-06	1.44E-07	5.66E-13	1.71E-12	1.35E-12	6.87E-16	1.66E-14	9.16E-16	1.82061E-14	2.293E-12	1.1507E-06	1.44E-07	5.78935E-13	2.77889E-15	2.88965E-13	4.62E-16
708	571150.6	4178799	0.55, 41787	0.32926	0.37153	0.29721	140.52662	58.47073	122.49716	17.56829	9.74512	16.40698	1.73E-09	7.11E-07	9.53E-08	5.33E-13	1.61E-12	1.27E-12	6.47E-16	1.56E-14	8.63E-16	1.71372E-14	2.158E-12	7.115E-07	9.53E-08	5.44945E-13	2.61574E-15	2.72E-13	4.35E-16
709	571190.6	4178799	0.55, 41787	0.32393	0.35615	0.30055	162.80337	55.99612	201.90064	20.37225	9.46414	25.23758	1.75E-09	1.17E-06	1.47E-07	5.39E-13	1.63E-12	1.29E-12	6.54E-16	1.58E-14	8.72E-16	1.73295E-14	2.182E-12	1.1726E-06	1.47E-07	5.5106E-13	2.64509E-15	2.75052E-13	4.4E-16
710	571230.6	4178799	0.55, 41787	0.31732	0.33876	0.30501	141.0743	54.42569	191.70239	17.72831	9.52966	23.96639	1.77E-09	1.11E-06	1.39E-07	5.47E-13	1.65E-12	1.3E-12	6.64E-16	1.6E-14	8.85E-16	1.75863E-14	2.215E-12	1.1134E-06	1.39E-07	5.59227E-13	2.68429E-15	2.79128E-13	4.47E-16
711	571270.6	4178799	0.55, 41787	0.30415	0.32027	0.29829	116.54381	51.24633	144.90939	16.64912	9.13765	20.70134	1.73E-09	8.42E-07	1.2E-07	5.35E-13	1.61E-12	1.28E-12	6.49E-16	1.57E-14	8.66E-16	1.71987E-14	2.166E-12	8.4164E-07	1.2E-07	5.469E-13	2.62512E-15	2.72975E-13	4.37E-16
712	571310.6	4178799	0.55, 41787	0.28608	0.30211	0.28212	111.77517	48.08718	136.31939	15.28029	8.60329	17.73191	1.64E-09	7.92E-07	1.03E-07	5.06E-13	1.53E-12	1.21E-12	6.14E-16	1.48E-14	8.19E-16	1.62664E-14	2.049E-12	7.9175E-07	1.03E-07	5.17253E-13	2.48281E-15	2.58178E-13	4.13E-16
713	571350.6	4178799	0.55, 41787	0.26522	0.28423	0.2608	116.94553	46.1941	139.01017	15.97517	8.23917	19.97796	1.52E-09	8.07E-07	1.16E-07	4.68E-13	1.41E-12	1.12E-12	5.68E-16	1.37E-14	7.57E-16	1.50372E-14	1.894E-12	8.0737E-07	1.16E-07	4.78166E-13	2.2952E-15	2.38668E-13	3.82E-16
714	571390.6	4178799	0.55, 41787	0.24309	0.26586	0.23735	101.64822	44.37475	130.479	13.96186	7.97488	17.70328	1.38E-09	7.58E-07	1.03E-07	4.25E-13	1.28E-12	1.01E-12	5.17E-16	1.25E-14	6.89E-16	1.36852E-14	1.724E-12	7.5783E-07	1.03E-07	4.35175E-13	2.08884E-15	2.1721E-13	3.48E-16
715	571430.6	4178799	0.55, 41787	0.22645	0.25105	0.21957	78.66707	42.96369	101.00422	10.22882	7.75525	13.14754	1.28E-09	5.87E-07	7.64E-08	3.94E-13	1.19E-12	9.39E-13	4.78E-16	1.15E-14	6.37E-16	1.26601E-14	1.594E-12	5.8665E-07	7.64E-08	4.02578E-13	1.93237E-15	2.0094E-13	3.22E-16
716	571470.6	4178799	0.55, 41787	0.21325	0.23694	0.20607	47.64153	41.84289	57.10773	7.70461	7.45296	10.06314	1.2E-09	3.32E-07	5.85E-08	3.69E-13	1.12E-12	8.81E-13	4.49E-16	1.08E-14	5.98E-16	1.18817E-14	1.496E-12	3.3172E-07	5.85E-08	3.77827E-13	1.81357E-15	1.88585E-13	3.02E-16
717	571510.6	4178799	0.55, 41787	0.20623	0.22585	0.19985	71.44774	40.73398	67.79843	10.29216	7.00806	9.90291	1.16E-09	3.94E-07	5.75E-08	3.58E-13	1.08E-12	8.54E-13	4.35E-16	1.05E-14	5.8E-16	1.15231E-14	1.451E-12	3.938E-07	5.75E-08	3.66421E-13	1.75882E-15	1.82892E-13	2.93E-16
718	571550.6	4178799	0.55, 41787	0.19818	0.21228	0.19356	94.10249	39.35835	107.36049	13.01678	6.4744	14.79864	1.12E-09	6.24E-07	8.6E-08	3.47E-13	1.05E-12	8.28E-13	4.21E-16	1.02E-14	5.62E-16	1.11603E-14	1.406E-12	6.2356E-07	8.6E-08	3.54885E-13	1.70345E-15	1.77134E-13	2.83E-16
719	571590.6	4178799	0.55, 41787	0.19254	0.20073	0.18997	94.76849	37.66806	114.23818	12.95063	6.01952	15.50303	1.1E-09	6.63E-07	9.01E-08	3.41E-13	1.03E-12	8.12E-13	4.14E-16	9.99E-15	5.51E-16	1.09532E-14	1.379E-12	6.635E-07	9.01E-08	3.48299E-13	1.67184E-15	1.73847E-13	2.78E-16
720	570310.6	4178839	0.55, 41788	0.10118	0.0904	0.098	86.93136	38.98232	105.93151	10.86642	4.87279	13.24144	5.69E-10	6.15E-07	7.69E-08	1.76E-13	5.3E-13	4.19E-13	2.13E-16	5.15E-15	2.84E-16	5.65024E-15	7.116E-13	6.1526E-07	7.69E-08	1.79672E-13	8.62424E-16	8.96799E-14	1.43E-16
721	570350.6	4178839	0.55, 41788	0.1118	0.10104	0.10874	92.10266	41.60712	103.12867	11.51283	5.43734	12.89108	6.32E-10	5.99E-07	7.49E-08	1.95E-13	5.89E-13	4.65E-13	2.37E-16	5.72E-15	3.16E-16	6.26947E-15	7.896E-13	5.9899E-07	7.49E-08	1.99363E-13	9.5694E-16	9.95082E-14	1.59E-16
722	570390.6	4178839	0.55, 41788	0.12335	0.11299	0.12071	101.58992	44.39945	123.8041	13.097	6.32134	15.47551	7.01E-10	7.19E-07	8.99E-08	2.16E-13	6.53E-13	5.16E-13	2.63E-16	6.35E-15	3.5E-16	6.95962E-15	8.765E-13	7.1906E-07	8.99E-08	2.21308E-13	1.06228E-15	1.10462E-13	1.77E-16
723	570430.6	4178839	0.55, 41788	0.13612	0.12663	0.1341	105.75261	46.22171	135.82058	15.10752	6.99394	17.72822	7.79E-10	7.89E-07	1.03E-07	2.4E-13	7.26E-13	5.73E-13	2.92E-16	7.05E-15	3.89E-16	7.73165E-15	9.737E-13	7.8885E-07	1.03E-07	2.45858E-13	1.18012E-15	1.22716E-13	1.96E-16
724	570470.6	4178839	0.55, 41788	0.14941	0.1416	0.14777	113.55911	47.52324	144.14907	16.22273	7.30549	20.59272	8.58E-10	8.37E-07	1.2E-07	2.65E-13	8E-13	6.32E-13	3.22E-16	7.77E-15	4.29E-16	8.51983E-15	1.073E-12	8.3722E-07	1.2E-07	2.70921E-13	1.30042E-15	1.35226E-13	2.16E-16
725	570510.6	4178839	0.55, 41788	0.16314	0.158	0.16129	114.44641	50.69094	152.51274	16.21485	7.16417	20.85712	9.37E-10	8.86E-07	1.21E-07	2.89E-13	8.73E-13	6.9E-13	3.51E-16	8.48E-15	4.68E-16	9.29939E-15	1.171E-12	8.858E-07	1.21E-07	2.95711E-13	1.41941E-15	1.47599E-13	2.36E-16
726	570550.6	4178839	0.55, 41788	0.17704	0.17576	0.1737	109.2842	56.30775	135.99936	15.45924	8.75778	18.63755	1.01E-09	7.9E-07	1.08E-07	3.11E-13	9.4E-13	7.43E-13	3.78E-16	9.13E-15	5.04E-16	1.0015E-14	1.261E-12	7.899E-07	1.08E-07	3.18466E-13	1.52864E-15	1.58956E-13	2.54E-16
727	570590.6	4178839	0.55, 41788	0.1907	0.19445	0.18485	121.04262	57.73789	162.59872	17.123	9.62298	23.05827	1.07E-09	9.44E-07	1.34E-07	3.31E-13	1E-12	7.9E-13	4.02E-16	9.72E-15	5.37E-16	1.0658E-14	1.342E-12	9.4438E-07	1.34E-07	3.38912E-13	1.62678E-15	1.69162E-13	2.71E-16
728	570630.6	4178839	0.55, 41788	0.20316	0.21304	0.19546	125.84874	56.85617	163.76967	17.26057	9.47603	21.8341	1.14E-09	9.51E-07	1.27E-07	3.5E-13	1.06E-12	8.36E-13	4.25E-16	1.03E-14	5.67E-16	1.12698E-14	1.419E-12	9.5118E-07	1.27E-07	3.58368E-13	1.72017E-15	1.78873E-13	2.86E-16
729	570670.6	4178839	0.55, 41788	0.21386	0.23043	0.20601	138.80556	56.19819	167.35734	17.35069	9.51337	20.91967	1.2E-09	9.72E-07	1.22E-07	3.69E-13	1.12E-12	8.81E-13	4.48E-16	1.08E-14	5.98E-16	1.18782E-14	1.496E-12	9.7202E-07	1.22E-07	3.77714E-13	1.81303E-15	1.88529E-13	3.02E-16
730	570710.6	4178839	0.55, 41788	0.22462	0.24643	0.21368	139.69865	64.11019	158.44625	17.46233	11.64998	19.80578	1.24E-09	9.2E-07	1.15E-07	3.83E-13	1.16E-12	9.14E-13	4.65E-16	1.12E-14	6.2E-16	1.23205E-14	1.552E-12	9.2028E-07	1.15E-07	3.9178E-13	1.88054E-15	1.9555E-13	3.13E-16
731	570750.6	4178839	0.55, 41788	0.23931	0.26333	0.21642	129.30344	65.03758	176.13066	16.25667	13.35444	22.02002	1.26E-09	1.02E-06	1.28E-07	3.88E-13	1.17E-12	9.25E-13	4.71E-16	1.14E-14	6.28E-16	1.24787E-14	1.572E-12	1.023E-06	1.28E-07	3.96811E-13	1.90469E-15	1.98061E-13	3.17E-16
732	570790.6	4178839	0.55, 41788	0.2546	0.28325	0.22784	148.04332	66.52984	161.44916	18.88746	13.10425	20.18115	1.32E-09	9.38E-07	1.17E-07	4.08E-13	1.23E-12	9.74E-13	4.96E-16	1.2E-14	6.61E-16	1.31373E-14	1.655E-12	9.3772E-07	1.17E-07	4.17752E-13	2.00521E-15	2.08514E-13	3.34E-16
733	570830.6	4178839	0.55, 41788	0.26766	0.30497	0.26524	136.3658	90.38201	203.70222	17.19519	14.05196	26.51864	1.54E-09	1.18E-06	1.54E-07	4.75E-13	1.44E-12	1.13E-12	5.77E-16	1.39E-14	7.7E-16	1.52934E-14	1.926E-12	1.1831E-06	1.54E-07	4.86314E-13	2.33431E-15	2.42735E-13	3.88E-16
734	570870.6	4178839	0.55, 41788	0.28248	0.32215	0.27934	145.76117	97.26265	213.43334	18.22015	15.13016	26.67917	1.62E-09	1.24E-06	1.55E-07	5.01E-13	1.51E-12	1.19E-12	6.08E-16	1.47E-14	8.11E-16	1.61064E-14	2.028E-12	1.2397E-06	1.55E-07	5.12166E-13	2.4584E-15	2.55639E-13	4.09E-16
735	570910.6	4178839	0.55, 41788	0.28799	0.33135	0.25629	130.6935	87.1686	210.24612	16.33669	13.50967	26.28077	1.49E-09	1.22E-06	1.53E-07	4.59E-13	1.39E-12	1.1E-12	5.58E-16	1.35E-14	7.44E-16	1.47779E-14	1.861E-12	1.2211E-06	1.53E-07	4.69922E-13	2.25563E-15	2.34553E-13	3.75E-16
736	570950.6	4178839	0.55, 41788	0.28758	0.33724	0.25781	143.26415	81.64199	232.33178	17.90802	13.93242	29.04147	1.5E-09	1.35E-06	1.69E-07	4.62E-13	1.4E-12	1.1E-12	5.61E-16	1.36E-14	7.48E-16	1.48656E-14	1.872E-12	1.3494E-06	1.69E-07	4.72711E-13	2.26901E-15	2.35945E-13	3.78E-16
737	570990.6	4178839	0.55, 41788	0.28844	0.33412	0.27084	115.42228	74.82901	134.90402	15.11344	13.01217	21.06919	1.57E-09	7.84E-07	1.22E-07	4.86E-13	1.47E-12	1.16E-12	5.9E-16	1.42E-14	7.86E-16	1.56166E-14	1.967E-12	7.8357E-07	1.22E-07	4.96592E-13	2.38364E-15	2.47865E-13	3.97E-16
738	571030.6	4178839	0.55, 41788	0.29049	0.32848	0.28015	122.60648	67.85889	167.69329	20.43441	11.21527	20.96166	1.63E-09	9.74E-07	1.22E-07	5.02E-13	1.52E-12	1.2E-12	6.1E-16	1.47E-14	8.13E-16	1.61532E-14	2.034E-12	9.7398E-07	1.22E-07	5.13654E-13	2.46554E-15	2.56381E-13	4.1E-16
739	571070.6	4178839	0.55, 41788	0.28682	0.32211	0.27916	145.80556	62.69899	194.95005	22.09774	10.44682	32.49167	1.62E-09	1.13E-06	1.89E-07	5E-13	1.51E-12	1.19E-12	6.08E-16	1.47E-14	8.1E-16	1.6096E-14	2.027E-12	1.1323E-06	1.89E-07	5.11837E-13	2.45682E-15	2.55474E-13	4.09E-16
740	571110.6	4178839	0.55, 41788	0.272	0.3104	0.2597	131.09883	59.8466	180.45962	17.36249	9.97443	23.15348	1.51E-09	1.05E-06	1.34E-07	4.66E-13	1.41E-12	1.11E-12	5.65E-16	1.37E-14	7.54E-16	1.49742E-14	1.886E-12	1.0481E-06	1.34E-07	4.76162E-13	2.28558E-15	2.37668E-13	3.8E-16
741	571150.6	4178839	0.55, 41788	0.26	0.30055	0.24148	99.99815	55.57889	134.60776	12.49977	9.26315	16.82597	1.4E-09	7.82E-07	9.77E-08	4.33E-13	1.31E-12	1.03E-12	5.26E-16	1.27E-14	7.01E-16	1.39238E-14	1.754E-12	7.8182E-07	9.77E-08	4.42761E-13	2.12525E-15	2.20996E-13	3.54E-16
742	571190.6	4178839	0.55, 41788	0.2552	0.29099	0.23588	127.82601	53.11626	132.48794	15.97966	8.85271	16.56099	1.37E-09	7.7E-07	9.62E-08	4.23E-13	1.28E-12	1.01E-12	5.13E-16	1.24E-14	6.85E-16	1.36009E-14	1.713E-12	7.6951E-07	9.62E-08	4.32492E-13	2.07596E-15	2.15871E-13	3.45E-16
743	571230.6	4178839	0.55, 41788	0.25406	0.28009	0.23929	144.46225	51.51588	176.21864	18.06666	8.58598	22.02733	1.39E-09	1.02E-06	1.28E-07	4.29E-13	1.3E-12	1.02E-12	5.21E-16	1.26E-14	6.95E-16	1.37973E-14	1.738E-12	1.0235E-06	1.28E-07	4.38738E-13	2.10594E-15	2.18988E-13	3.5E-16
744	571270.6	4178839	0.55, 41788	0.2507	0.26766	0.24251	121.82335	49.56018	161.92313	15.26733	8.26003	20.24326	1.41E-09	9.4E-07	1.18E-07	4.35E-13	1.31E-12	1.04E-12	5.28E-16	1.28E-14	7.04E-16	1.39827E-14	1.761E-12	9.4044E-07	1.18E-07	4.44634E-13	2.13424E-15	2.21931E-13	3.55E-16
745	571310.6	4178839	0.55, 41788	0.24184	0.25433	0.23951	103.21026	44.65355	122.05645	14.74432	7.58702	17.43664	1.39E-09	7.09E-07	1.01E-07	4.29E-13	1.3E-12	1.02E-12	5.21E-16	1.26E-14	6.95E-16	1.38095E-14	1.739E-12	7.0891E-07	1.01E-07	4.39129E-13	2.10782E-15	2.19183E-13	3.51E-16
746	571350.6	4178839	0.55, 41788	0.22797	0.24079	0.22797	99.0464	44.12829	113.73434	14.35742	7.39344	18.63488	1.32E-09	6.61E-07	1.08E-07	4.09E-13	1.23E-12	9.75E-13	4.96E-16	1.2E-14	6.62E-16	1.31442E-14	1.655E-12	6.6058E-07	1.08E-07	4.1797E-13	2.00626E-15	2.08622E-13	3.34E-16
747	571390.6	4178839	0.55, 41788	0.21103	0.22733	0.21036	102.76287	42.76623	112.22851	13.91866	7.25999	15.15441	1.22E-09	6.52E-07	8.8E-08	3.77E-13	1.14E-12	8.99E-13	4.58E-16	1.11E-14	6.11E-16	1.21289E-14	1.528E-12	6.5184E-07	8.8E-08	3.85685E-13	1.85129E-15	1.92508E-13	3.08E-16
748	571430.6	4178839	0.55, 41788	0.19469	0.21494	0.19186	96.70075	41.37793	118.14409	13.13698	7.12068	15.87157	1.11E-09	6.86E-07	9.22E-08	3.44E-13	1.04E-12	8.2E-13	4.18E-16	1.01E-14	5.57E-16	1.10623E-14	1.393E-12	6.8619E-07	9.22E-08	3.5177E-13	1.6885E-15	1.7558E-13	2.81E-16
749	571470.6	4178839	0.55, 41788	0.18137	0.20392	0.17665	77.02264	40.18933	97.95965	10.5662	6.94319	13.29535	1.03E-09	5.69E-07	7.72E-08	3.17E-13	9.56E-13	7.55E-13	3.85E-16	9.29E-15	5.13E-16	1.01854E-14	1.283E-12	5.6896E-07	7.72E-08	3.23886E-13	1.55465E-15	1.61662E-13	2.59E-16
750	571510.6	4178839	0.55, 41788	0.17253	0.19446	0.16733	52.60803	39.21497	67.39367	7.34906	6.67327	9.32595	9.72E-10	3.91E-07	5.42E-08	3E-13	9.06E-13	7.15E-13	3.64E-16	8.8E-15	4.86E-16	9.64807E-15	1.215E-12	3.9145E-07	5.42E-08	3.06798E-13	1.47263E-15	1.53133E-13	2.45E-16
751	571550.6	4178839	0.55, 41788	0.16797	0.18619	0.16347	68.59481	38.25365	67.50423	9.65516	6.29212	9.48561	9.5E-10	3.92E-07	5.51E-08	2.93E-13	8.85E-13	6.99E-13	3.56E-16	8.6E-15	4.74E-16	9.42545E-15	1.187E-12	3.9209E-07	5.51E-08	2.99719E-13	1.43865E-15	1.49599E-13	2.39E-16
752	571590.6	4178839	0.55, 41788	0.16271	0.17607	0.15959	86.9293	37.04871	99.01478	11.93163	5.86384	13.49632	9.27E-10	5.75E-07	7.84E-08	2.86E-13	8.64E-13	6.82E-13	3.47E-16	8.39E-15	4.63E-16	9.20166E-15	1.159E-12	5.7509E-07	7.84E-08	2.92603E-13	1.40449E-15	1.46047E-13	2.34E-16
753	570839.2	4178446	9.17, 41784	74.46739	6.86955	3.72049	1115.31188	246.53605	1658.95445	545.24687	92.47095	232.89196	2.16E-08	9.63E-06	1.35E-06	6.67E-12	2.02E-11	1.59E-11	8.1E-15	1.96E-13	1.08E-14	2.14669E-13	2.704E-11	9.6348E-06	1.35E-06	6.82624E-12	3.27659E-14	3.40719E-12	5.45E-15
754	570839.2	4178486	9.17, 41784	72.70489	8.35312	4.22209	2611.28562	240.43522	1473.87155	1286.82968	90.10385	245.64526	2.45E-08	8.56E-06	1.43E-06	7.57E-12	2.29E-11	1.81E-11	9.2E-15	2.22E-13	1.23E-14	2.436E-13	3.068E-11	8.5601E-06	1.43E-06	7.74621E-12	3.71818E-14	3.86638E-12	6.19E-15
755	570879.2	4178406	9.17, 41784	9.26791	12.09581	2.86973	654.37651	281.54322	1652.24347	174.87233	99.71055	250.6883	1.67E-08	9.6E-06	1.46E-06	5.15E-12	1.55E-11	1.23E-11	6.25E-15	1.51E-13	8.34E-15	1.656E-13	2.086E-11	9.5958E-06	1.46E-06	5.26591E-12	2.52764E-14	2.62838E-12	4.21E-15
756	570879.2	4178446	9.17, 41784	110.98197	13.33715	11.62742	3333.88644	260.53475	3586.87714	1717.50318	91.01179	770.8732	6.76E-08	2.08E-05	4.48E-06	2.08E-11	6.29E-11	4.97E-11	2.53E-14	6.12E-13	3.38E-14	6.70581E-13	8.445E-11	2.0831E-05	4.48E-06	2.13237E-11	1.02354E-13	1.06434E-11	1.7E-14
757	570879.2	4178486	9.17, 41784	18.42358	13.79846	20.70311	473.0449	246.35325	4578.74855	141.68031	100.88031	655.29094	1.2E-07	2.66E-05	3.81E-06	3.71E-11	1.12E-10	8.85E-11	4.51E-14	1.09E-12	6.01E-14	1.19357E-12	1.503E-10	2.6591E-05	3.81E-06	3.79542E-11	1.8218E-13	1.89442E-11	3.03E-14
758	570879.2	4178526	9.17, 41785	94.91809	17.71904	9.02777	3340.71117	271.69492	2014.80922	1490.9797	113.49448	441.47053	5.25E-08	1.17E-05	2.57E-06	1.62E-11	4.89E-11	3.86E-11	1.97E-14	4.75E-13	2.62E-14	5.20772E-13	6.559E-11	1.1702E-05	2.57E-06	1.656E-11	7.94879E-14	8.26561E-12	1.32E-14
759	570879.2	4178566	9.17, 41785	6.34056	7.84517	3.48916	517.57011	248.69096	1100.96831	138.67192	92.32789	171.27972	2.03E-08	6.39E-06	9.95E-07	6.26E-12	1.89E-11	1.49E-11	7.6E-15	1.84E-13	1.01E-14	2.0124E-13	2.534E-11	6.3942E-06	9.95E-07	6.3992E-12	3.07162E-14	3.19405E-12	5.11E-15
760	570919.2	4178366	9.17, 41783	2.36921	8.89638	1.45024	279.82249	231.14799	970.86833	50.20448	85.64726	145.20587	8.44E-09	5.64E-06	8.43E-07	2.6E-12	7.86E-12	6.21E-12	3.16E-15	7.63E-14	4.21E-15	8.37233E-14	1.054E-11	5.6386E-06	8.43E-07	2.66231E-12	1.27791E-14	1.32884E-12	2.13E-15
761	570919.2	4178406	9.17, 41784	7.16288	18.51893	2.95623	387.12304	281.06153	1814.51514	102.95605	123.97591	301.78328	1.72E-08	1.05E-05	1.75E-06	5.31E-12	1.6E-11	1.27E-11	6.44E-15	1.56E-13	8.59E-15	1.70674E-13	2.149E-11	1.0538E-05	1.75E-06	5.42725E-12	2.60508E-14	2.70892E-12	4.33E-15
762	570919.2	4178446	9.17, 41784	30.90779	15.96768	15.85005	761.46723	266.85593	6280.62092	290.35951	97.37786	1155.63511	9.21E-08	3.65E-05	6.71E-06	2.84E-11	8.58E-11	6.78E-11	3.45E-14	8.33E-13	4.6E-14	9.13886E-13	1.151E-10	3.6475E-05	6.71E-06	2.90606E-11	1.39491E-13	1.45051E-11	2.32E-14
763	570919.2	4178486	9.17, 41784	29.57453	18.16179	468.02027	992.62163	281.14129	31654.24271	425.98322	121.6397	9353.86757	2.72E-06	0.000184	5.43E-05	8.39E-10	2.53E-09	2E-09	1.02E-12	2.46E-11	1.36E-12	2.69774E-11	3.398E-09	0.00018383	5.43E-05	8.57851E-10	4.11768E-12	4.28181E-10	6.85E-13
764	570919.2	4178526	9.17, 41785	19.47257	21.77306	15.13476	427.44744	357.8357	3633.422	126.47105	151.21701	760.0028	8.79E-08	2.11E-05	4.41E-06	2.71E-11	8.19E-11	6.47E-11	3.29E-14	7.96E-13	4.39E-14	8.7272E-13	1.099E-10	2.1101E-05	4.41E-06	2.77516E-11	1.33207E-13	1.38517E-11	2.22E-14
765	570919.2	4178566	9.17, 41785	68.70701	17.81326	4.44491	3547.24462	326.79695	1605.72558	1121.59815	123.62419	257.53275	2.59E-08	9.33E-06	1.5E-06	7.98E-12	2.41E-11	1.9E-11	9.69E-15	2.34E-13	1.29E-14	2.56571E-13	3.231E-11	9.3262E-06	1.5E-06	8.15869E-12	3.91617E-14	4.07226E-12	6.52E-15
766	570959.2	4178326	9.17, 41783	2.08146	12.83514	1.34475	279.67021	252.56813	633.18912	42.32993	97.81035	79.64117	7.83E-09	3.68E-06	4.63E-07	2.42E-12	7.29E-12	5.76E-12	2.93E-15	7.09E-14	3.91E-15	7.76983E-14	9.785E-12	3.6776E-06	4.63E-07	2.47072E-12	1.18595E-14	1.23322E-12	1.97E-15
767	570959.2	4178366	9.17, 41783	2.97969	11.80225	1.85212	241.09871	252.07126	954.07883	42.48046	78.75938	136.29698	1.08E-08	5.54E-06	7.92E-07	3.32E-12	1E-11	7.93E-12	4.04E-15	9.75E-14	5.38E-15	1.0693E-13	1.347E-11	5.5411E-06	7.92E-07	3.40027E-12	1.63213E-14	1.69718E-12	2.72E-15
768	570959.2	4178406	9.17, 41784	5.48321	18.00699	4.34111	312.89849	292.26242	1429.75284	67.10795	111.57482	238.11199	2.52E-08	8.3E-06	1.38E-06	7.79E-12	2.35E-11	1.86E-11	9.46E-15	2.28E-13	1.26E-14	2.5049E-13	3.155E-11	8.3036E-06	1.38E-06	7.9653E-12	3.82335E-14	3.97574E-12	6.36E-15
769	570959.2	4178446	9.17, 41784	13.2141	15.9724	27.93872	471.07205	258.82785	2485.7483	129.31081	100.45092	486.63208	1.62E-07	1.44E-05	2.83E-06	5.01E-11	1.51E-10	1.19E-10	6.08E-14	1.47E-12	8.11E-14	1.61066E-12	2.028E-10	1.4436E-05	2.83E-06	5.12172E-11	2.45842E-13	2.55641E-11	4.09E-14
770	570959.2	4178486	9.17, 41784	61.20406	15.71053	62.85492	1330.20017	250.50131	2800.83581	539.4281	101.77571	895.66291	3.65E-07	1.63E-05	5.2E-06	1.13E-10	3.4E-10	2.69E-10	1.37E-13	3.3E-12	1.82E-13	3.62333E-12	4.563E-10	1.6266E-05	5.2E-06	1.15218E-10	5.53046E-13	5.75089E-11	9.2E-14
771	570959.2	4178526	9.17, 41785	233.18259	14.04006	12.98457	3491.90215	258.73899	2789.84609	1687.05022	110.68808	397.86928	7.55E-08	1.62E-05	2.31E-06	2.33E-11	7.03E-11	5.55E-11	2.83E-14	6.83E-13	3.77E-14	7.49014E-13	9.433E-11	1.6203E-05	2.31E-06	2.38178E-11	1.14326E-13	1.18882E-11	1.9E-14
772	570999.2	4178286	9.17, 41782	4.82709	7.01905	1.81527	541.05323	230.67805	782.52024	117.6944	82.70868	130.42004	1.06E-08	4.54E-06	7.58E-07	3.26E-12	9.83E-12	7.77E-12	3.95E-15	9.55E-14	5.27E-15	1.04741E-13	1.319E-11	4.5448E-06	7.58E-07	3.33065E-12	1.59871E-14	1.66244E-12	2.66E-15

773	570999.2	4178326	9.17, 41783	3.49216	17.23511	2.06149	334.8047	281.26172	702.77079	73.88295	121.01705	110.07877	1.2E-08	4.08E-06	6.39E-07	3.7E-12	1.12E-11	8.83E-12	4.5E-15	1.09E-13	5.99E-15	1.19077E-13	1.5E-11	4.0817E-06	6.39E-07	3.78651E-12	1.81752E-14	1.88997E-12	3.02E-15
774	570999.2	4178366	9.17, 41783	3.49499	15.86199	2.88936	258.09779	262.50756	719.40934	51.99585	99.38677	89.92617	1.68E-08	4.18E-06	5.22E-07	5.19E-12	1.57E-11	1.24E-11	6.3E-15	1.52E-13	8.4E-15	1.66776E-13	2.1E-11	4.1783E-06	5.22E-07	5.3033E-12	2.54558E-14	2.64705E-12	4.24E-15
775	570999.2	4178406	9.17, 41784	4.67229	14.08019	6.50261	269.25985	258.20089	888.73579	48.54927	90.52886	138.83889	3.78E-08	5.16E-06	8.06E-07	1.17E-11	3.52E-11	2.78E-11	1.42E-14	3.42E-13	1.89E-14	3.75023E-13	4.723E-11	5.1617E-06	8.06E-07	1.19253E-11	5.72416E-14	5.95231E-12	9.52E-15
776	570999.2	4178446	9.17, 41784	8.21208	17.59623	13.45709	365.10896	254.50285	1091.31402	80.87758	113.65243	185.77432	7.82E-08	6.34E-06	1.08E-06	2.41E-11	7.28E-11	5.75E-11	2.93E-14	7.08E-13	3.91E-14	7.75941E-13	9.772E-11	6.3381E-06	1.08E-06	2.46741E-11	1.18436E-13	1.23156E-11	1.97E-14
777	570999.2	4178486	9.17, 41784	18.06608	14.21786	20.31738	585.19163	263.25351	1140.06137	156.20535	101.07997	297.24229	1.18E-07	6.62E-06	1.73E-06	3.64E-11	1.1E-10	8.69E-11	4.42E-14	1.07E-12	5.9E-14	1.17134E-12	1.475E-10	6.6213E-06	1.73E-06	3.72474E-11	1.78787E-13	1.85914E-11	2.97E-14
778	571039.2	4178246	9.17, 41782	16.91212	6.90765	2.82369	857.31055	271.11205	1316.76682	274.95229	93.64332	189.48612	1.64E-08	7.65E-06	1.1E-06	5.06E-12	1.53E-11	1.21E-11	6.15E-15	1.49E-13	8.2E-15	1.62885E-13	2.051E-11	7.6475E-06	1.1E-06	5.17957E-12	2.48619E-14	2.58529E-12	4.14E-15
779	571039.2	4178286	9.17, 41782	28.85834	15.10006	3.68614	1240.055	260.3069	1323.38037	549.80999	92.85324	215.01085	2.14E-08	7.69E-06	1.25E-06	6.61E-12	2E-11	1.58E-11	8.03E-15	1.94E-13	1.07E-14	2.12733E-13	2.679E-11	7.686E-06	1.25E-06	6.76468E-12	3.24704E-14	3.37647E-12	5.4E-15
780	571039.2	4178326	9.17, 41783	6.67676	17.1171	4.10991	443.85334	276.43557	1246.54946	131.23026	111.87763	155.81868	2.39E-08	7.24E-06	9.05E-07	7.37E-12	2.23E-11	1.76E-11	8.95E-15	2.16E-13	1.19E-14	2.37152E-13	2.987E-11	7.2397E-06	9.05E-07	7.54119E-12	3.61977E-14	3.76405E-12	6.02E-15
781	571039.2	4178366	9.17, 41783	4.40971	16.57374	4.87433	310.01939	259.88486	992.68074	73.97776	106.04392	160.75052	2.83E-08	5.77E-06	9.34E-07	8.74E-12	2.64E-11	2.09E-11	1.06E-14	2.56E-13	1.42E-14	2.81203E-13	3.541E-11	5.7653E-06	9.34E-07	8.94195E-12	4.29214E-14	4.46321E-12	7.14E-15
782	571039.2	4178406	9.17, 41784	4.40492	15.47088	6.2465	249.62047	251.60574	625.26496	54.55389	95.67705	86.62547	3.63E-08	3.63E-06	5.03E-07	1.12E-11	3.38E-11	2.67E-11	1.36E-14	3.29E-13	1.81E-14	3.6028E-13	4.537E-11	3.6316E-06	5.03E-07	1.14565E-11	5.49913E-14	5.71832E-12	9.15E-15
783	571039.2	4178446	9.17, 41784	6.02235	17.33371	7.45895	271.18693	258.43077	565.95619	53.34538	113.33058	91.15286	4.33E-08	3.29E-06	5.29E-07	1.34E-11	4.04E-11	3.19E-11	1.62E-14	3.92E-13	2.17E-14	4.30196E-13	5.418E-11	3.2872E-06	5.29E-07	1.36798E-11	6.56629E-14	6.82801E-12	1.09E-14
784	571079.2	4178246	9.17, 41782	26.90238	12.76385	4.78342	686.22219	257.40547	1959.72628	294.80616	92.56412	417.67679	2.78E-08	1.14E-05	2.43E-06	8.58E-12	2.59E-11	2.05E-11	1.04E-14	2.52E-13	1.39E-14	2.75945E-13	3.475E-11	1.1381E-05	2.43E-06	8.77474E-12	4.21188E-14	4.37975E-12	7.01E-15
785	571079.2	4178286	9.17, 41782	49.90964	15.92317	13.80121	957.6563	283.49226	4117.74908	414.11972	108.09945	689.22522	8.02E-08	2.39E-05	4E-06	2.47E-11	7.47E-11	5.9E-11	3E-14	7.26E-13	4.01E-14	7.95819E-13	1.002E-10	2.3914E-05	4E-06	2.53062E-11	1.2147E-13	1.26311E-11	2.02E-14
786	571079.2	4178326	9.17, 41783	16.67986	14.36437	14.4793	793.60016	243.70787	3077.685	313.14105	91.11491	664.711	8.41E-08	1.79E-05	3.86E-06	2.6E-11	7.84E-11	6.19E-11	3.15E-14	7.61E-13	4.2E-14	8.34829E-13	1.051E-10	1.7874E-05	3.86E-06	2.65467E-11	1.27424E-13	1.32503E-11	2.12E-14
787	571079.2	4178366	9.17, 41783	6.18218	17.09307	7.0902	419.38901	255.0076	1488.27193	110.95083	108.56867	287.95219	4.12E-08	8.64E-06	1.67E-06	1.27E-11	3.84E-11	3.03E-11	1.54E-14	3.73E-13	2.06E-14	4.08938E-13	5.15E-11	8.6434E-06	1.67E-06	1.30038E-11	6.24181E-14	6.4906E-12	1.04E-14
788	571079.2	4178406	9.17, 41784	4.42977	14.91	5.35349	310.20505	209.99469	815.89349	72.09993	91.11305	117.58287	3.11E-08	4.74E-06	6.83E-07	9.6E-12	2.9E-11	2.29E-11	1.17E-14	2.82E-13	1.55E-14	3.08798E-13	3.889E-11	4.7386E-06	6.83E-07	9.81946E-12	4.71334E-14	4.9012E-12	7.84E-15
789	571119.2	4178286	9.17, 41782	25.0824	15.07438	138.00946	507.91812	256.39153	16734.57469	211.8106	106.96205	4271.60103	8.02E-07	9.72E-05	2.48E-05	2.47E-10	7.47E-10	5.9E-10	3E-13	7.25E-12	4E-13	7.95523E-12	1.002E-09	9.7185E-05	2.48E-05	2.52968E-10	1.21424E-12	1.26264E-10	2.02E-13
790	571119.2	4178326	9.17, 41783	197.49067	14.51391	52.98238	3348.29445	230.6601	7805.71053	1622.72219	95.52079	2122.69744	3.08E-07	4.53E-05	1.23E-05	9.5E-11	2.87E-10	2.26E-10	1.15E-13	2.79E-12	1.54E-13	3.05447E-12	3.847E-10	4.5332E-05	1.23E-05	9.71288E-11	4.66218E-13	4.84801E-11	7.76E-14
791	571119.2	4178366	9.17, 41783	10.01384	12.46582	9.59129	630.48898	206.62645	2115.5821	198.58486	83.22549	424.70779	5.57E-08	1.23E-05	2.47E-06	1.72E-11	5.19E-11	4.1E-11	2.09E-14	5.04E-13	2.78E-14	5.53043E-13	6.965E-11	1.2286E-05	2.47E-06	1.75862E-11	8.44136E-14	8.77782E-12	1.4E-14
792	571159.2	4178326	9.17, 41783	219.15803	19.05137	35.48029	3124.9508	277.70648	3646.5914	1560.39264	128.55095	753.34584	2.06E-07	2.12E-05	4.38E-06	6.36E-11	1.92E-10	1.52E-10	7.72E-14	1.87E-12	1.03E-13	2.04573E-12	2.576E-10	2.1178E-05	4.38E-06	6.50521E-11	3.1225E-13	3.24696E-11	5.2E-14
793	570808.8	4178465	8.82, 41784	10.95844	3.34212	2.15804	1253.90468	193.66587	956.23037	302.59047	56.7134	159.37173	1.25E-08	5.55E-06	9.26E-07	3.87E-12	1.17E-11	9.23E-12	4.7E-15	1.13E-13	6.26E-15	1.24456E-13	1.567E-11	5.5537E-06	9.26E-07	3.95757E-12	1.89963E-14	1.97535E-12	3.16E-15
794	570823.9	4178530	3.91, 41785	3.05561	3.25593	2.40542	358.64643	197.99385	1108.94733	70.39413	63.38636	140.39269	1.4E-08	6.44E-06	8.15E-07	4.31E-12	1.3E-11	1.03E-11	5.24E-15	1.26E-13	6.98E-15	1.38701E-13	1.747E-11	6.4405E-06	8.15E-07	4.41056E-12	2.11707E-14	2.20145E-12	3.52E-15
795	570883.3	4178602	3.31, 41786	3.07425	4.49746	2.05933	479.66242	287.53386	914.81532	94.76169	103.00469	119.05382	1.2E-08	5.31E-06	6.92E-07	3.69E-12	1.11E-11	8.81E-12	4.48E-15	1.08E-13	5.98E-15	1.1877E-13	1.496E-11	5.3132E-06	6.92E-07	3.77677E-12	1.81285E-14	1.8851E-12	3.02E-15
796	571181.5	4178310	1.45, 41783	77.30582	13.12592	35.80897	2585.53888	242.23364	1672.90767	872.95261	114.20023	513.62427	2.08E-07	9.72E-06	2.98E-06	6.42E-11	1.94E-10	1.53E-10	7.79E-14	1.88E-12	1.04E-13	2.06437E-12	2.6E-10	9.716E-06	2.98E-06	6.56447E-11	3.15094E-13	3.27653E-11	5.24E-14
797	571067.8	4178207	7.83, 41782	5.36607	4.9243	1.64986	895.65181	299.02694	904.65641	223.56067	96.05921	144.20823	9.59E-09	5.25E-06	8.38E-07	2.96E-12	8.93E-12	7.06E-12	3.59E-15	8.68E-14	4.79E-15	9.51778E-14	1.199E-11	5.2543E-06	8.38E-07	3.02655E-12	1.45275E-14	1.51065E-12	2.42E-15
798	570799.9	4178447	9.89, 41784	4.88888	2.78293	1.75814	732.83791	152.28075	768.58836	142.77112	52.0733	124.31973	1.02E-08	4.46E-06	7.22E-07	3.15E-12	9.52E-12	7.52E-12	3.83E-15	9.25E-14	5.1E-15	1.01388E-13	1.277E-11	4.4638E-06	7.22E-07	3.22403E-12	1.54753E-14	1.60922E-12	2.57E-15

	Trenching	Grading	Stockpile
Emissions Rate (g/s):	1.03E-11	9.14E-11	3.70E-07

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	0	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	0	10	2	70	0.85
2<9	861	1	0.854795	0.000001	0	3	0.55	70	0.72
Student	640	1	0.493151	0.000001	0	3	2.8	70	1
Worker	230	1	0.684932	0.000001	0	1	2.8	70	1

1,3,5-Trimethylbenzene

	Chronic (Annu	Acute (1hr)	8hr
REL:	4	2400	8

				Concentration [µg/m^3] at 1 g/s									Concentration (µg/m^3) Unmitigated			Unmitigated Residential Dose			Risk by Age Group				Unmitigated			Student Unmitigated		Worker Unmitigated	
#	X	Y	X,Y	Trenching Period	Grading Period	Stockpile Period	Treching 1hr	Grading 1hr	Stockpile 1hr	Trenching 8hr	Grading 8hr	Stockpile 8hr	Period Tota	1hr Total	8hr Total	3rd	0<2	2<9	3rd	0<2	2<9	Total Risk	Chronic	Acute	8hr	Dose	Risk	Dose	Risk
1	570310.6	4177919	0.55, 41779	0.08215	0.06425	0.08047	53.98877	25.74637	57.86027	6.7486	3.78109	7.23253	2.98E-08	2.14E-05	2.68E-06	9.2E-12	2.78E-11	2.19E-11	0	0	0	0	7.452E-09	8.9293E-09	3.3489E-07	9.40767E-12	0	4.69567E-12	0
2	570350.6	4177919	0.55, 41779	0.08744	0.06946	0.0859	61.34869	26.43683	62.74615	7.66859	3.66465	7.84327	3.18E-08	2.32E-05	2.91E-06	9.82E-12	2.96E-11	2.34E-11	0	0	0	0	7.955E-09	9.6833E-09	3.63174E-07	1.00425E-11	0	5.01254E-12	0
3	570390.6	4177919	0.55, 41779	0.09273	0.07514	0.09126	67.57642	27.23616	68.95787	8.44705	3.80844	8.61973	3.38E-08	2.55E-05	3.19E-06	1.04E-11	3.15E-11	2.49E-11	0	0	0	0	8.451E-09	1.0642E-08	3.99127E-07	1.06692E-11	0	5.32533E-12	0
4	570430.6	4177919	0.55, 41779	0.09799	0.08123	0.09661	71.34976	28.07066	72.35504	8.91872	4.01428	9.04438	3.58E-08	2.68E-05	3.35E-06	1.1E-11	3.33E-11	2.63E-11	0	0	0	0	8.947E-09	1.1166E-08	4.18791E-07	1.12947E-11	0	5.63754E-12	0
5	570470.6	4177919	0.55, 41779	0.10292	0.08757	0.10182	71.34124	28.88227	71.18869	8.91766	4.18506	8.89859	3.77E-08	2.64E-05	3.3E-06	1.16E-11	3.51E-11	2.78E-11	0	0	0	0	9.429E-09	1.0986E-08	4.12042E-07	1.19039E-11	0	5.94159E-12	0
6	570510.6	4177919	0.55, 41779	0.10719	0.09397	0.10631	70.57748	29.51269	72.86498	8.82218	4.31581	9.10812	3.94E-08	2.7E-05	3.37E-06	1.22E-11	3.67E-11	2.9E-11	0	0	0	0	9.845E-09	1.1245E-08	4.2174E-07	1.24289E-11	0	6.20364E-12	0
7	570550.6	4177919	0.55, 41779	0.11095	0.10041	0.10942	80.02506	30.00614	83.29269	10.00313	4.88273	10.41159	4.05E-08	3.08E-05	3.86E-06	1.25E-11	3.78E-11	2.98E-11	0	0	0	0	1.013E-08	1.2854E-08	4.82095E-07	1.27926E-11	0	6.38518E-12	0
8	570590.6	4177919	0.55, 41779	0.11537	0.10684	0.11183	81.14556	31.22548	84.40479	10.14319	5.49199	10.5506	4.14E-08	3.13E-05	3.91E-06	1.28E-11	3.86E-11	3.05E-11	0	0	0	0	1.036E-08	1.3026E-08	4.88531E-07	1.30744E-11	0	6.52587E-12	0
9	570630.6	4177919	0.55, 41779	0.12154	0.11343	0.11602	82.02682	32.76834	84.97635	10.54682	6.07261	10.62204	4.3E-08	3.15E-05	3.93E-06	1.33E-11	4E-11	3.16E-11	0	0	0	0	1.074E-08	1.3114E-08	4.91843E-07	1.35644E-11	0	6.77042E-12	0
10	570670.6	4177919	0.55, 41779	0.12896	0.11974	0.12346	90.28793	34.09351	94.2666	12.11861	6.60764	13.84836	4.57E-08	3.49E-05	5.13E-06	1.41E-11	4.26E-11	3.37E-11	0	0	0	0	1.143E-08	1.4547E-08	6.41214E-07	1.44342E-11	0	7.20458E-12	0
11	570710.6	4177919	0.55, 41779	0.13589	0.12543	0.13131	92.03158	38.34133	98.54944	11.50395	7.03486	13.72911	4.86E-08	3.65E-05	5.09E-06	1.5E-11	4.53E-11	3.58E-11	0	0	0	0	1.216E-08	1.5209E-08	6.35686E-07	1.53519E-11	0	7.66264E-12	0
12	570750.6	4177919	0.55, 41779	0.14097	0.13029	0.13561	98.93292	42.68075	106.54938	12.36662	7.25038	14.15663	5.02E-08	3.95E-05	5.24E-06	1.55E-11	4.68E-11	3.7E-11	0	0	0	0	1.256E-08	1.6443E-08	6.55488E-07	1.58547E-11	0	7.91358E-12	0
13	570790.6	4177919	0.55, 41779	0.1434	0.13429	0.137	101.78306	44.96916	112.12821	12.72288	7.16867	14.01603	5.07E-08	4.15E-05	5.19E-06	1.57E-11	4.73E-11	3.74E-11	0	0	0	0	1.269E-08	1.7304E-08	6.48984E-07	1.60173E-11	0	7.99473E-12	0
14	570830.6	4177919	0.55, 41779	0.14249	0.1373	0.1371	103.05806	46.92439	113.14313	12.88226	6.63254	14.14289	5.08E-08	4.19E-05	5.24E-06	1.57E-11	4.73E-11	3.74E-11	0	0	0	0	1.27E-08	1.7461E-08	6.54858E-07	1.6029E-11	0	8.00061E-12	0
15	570870.6	4177919	0.55, 41779	0.13915	0.13926	0.13269	113.81753	49.41272	127.10432	14.22719	6.17659	15.88804	4.92E-08	4.71E-05	5.89E-06	1.52E-11	4.58E-11	3.62E-11	0	0	0	0	1.229E-08	1.9615E-08	7.35661E-07	1.55136E-11	0	7.74335E-12	0
16	570910.6	4177919	0.55, 41779	0.13537	0.14116	0.12571	103.09741	52.00284	118.27061	16.13684	6.50036	14.78383	4.66E-08	4.38E-05	5.48E-06	1.44E-11	4.34E-11	3.43E-11	0	0	0	0	1.164E-08	1.8252E-08	6.8457E-07	1.46978E-11	0	7.33616E-12	0
17	570950.6	4177919	0.55, 41779	0.13129	0.14261	0.12523	128.63222	54.75687	154.09416	19.7206	7.6051	23.34348	4.64E-08	5.71E-05	8.65E-06	1.43E-11	4.32E-11	3.41E-11	0	0	0	0	1.16E-08	2.378E-08	1.08085E-06	1.46418E-11	0	7.30817E-12	0
18	570990.6	4177919	0.55, 41779	0.12715	0.1442	0.12572	126.51514	58.01026	163.29109	18.07359	9.36612	23.3273	4.66E-08	6.05E-05	8.64E-06	1.44E-11	4.34E-11	3.43E-11	0	0	0	0	1.164E-08	2.5199E-08	1.08008E-06	1.46991E-11	0	7.33677E-12	0
19	571030.6	4177919	0.55, 41779	0.12254	0.14609	0.11762	125.39004	62.99788	174.41478	17.19472	10.49965	21.80185	4.36E-08	6.46E-05	8.08E-06	1.34E-11	4.06E-11	3.21E-11	0	0	0	0	1.089E-08	2.6916E-08	1.00946E-06	1.37524E-11	0	6.86424E-12	0
20	571070.6	4177919	0.55, 41779	0.1201	0.14847	0.1104	126.80092	67.58831	177.9713	16.22667	10.87469	22.24641	4.09E-08	6.59E-05	8.24E-06	1.26E-11	3.81E-11	3.01E-11	0	0	0	0	1.022E-08	2.7465E-08	1.03002E-06	1.29085E-11	0	6.44306E-12	0
21	571110.6	4177919	0.55, 41779	0.1205	0.15044	0.10927	126.62476	68.47754	165.66905	20.2586	9.61445	20.70863	4.05E-08	6.14E-05	7.67E-06	1.25E-11	3.77E-11	2.98E-11	0	0	0	0	1.012E-08	2.5567E-08	9.5889E-07	1.27765E-11	0	6.37716E-12	0
22	571150.6	4177919	0.55, 41779	0.1212	0.15159	0.11602	131.66409	62.22893	172.39569	21.10658	9.19459	24.99313	4.3E-08	6.39E-05	9.26E-06	1.33E-11	4E-11	3.16E-11	0	0	0	0	1.075E-08	2.6604E-08	1.15724E-06	1.35655E-11	0	6.77097E-12	0
23	571190.6	4177919	0.55, 41779	0.12215	0.15198	0.11825	137.85581	66.48698	180.99172	19.69369	10.25241	26.94632	4.38E-08	6.7E-05	9.98E-06	1.35E-11	4.08E-11	3.22E-11	0	0	0	0	1.095E-08	2.7931E-08	1.24763E-06	1.38262E-11	0	6.90108E-12	0
24	571230.6	4177919	0.55, 41779	0.12354	0.15154	0.11348	148.65332	75.08948	179.38421	21.23619	9.50538	22.42303	4.2E-08	6.64E-05	8.31E-06	1.3E-11	3.92E-11	3.09E-11	0	0	0	0	1.051E-08	2.7683E-08	1.03826E-06	1.32686E-11	0	6.62279E-12	0
25	571270.6	4177919	0.55, 41779	0.12544	0.15047	0.11372	135.01221	73.55453	181.97135	18.66937	9.80753	25.99591	4.21E-08	6.74E-05	9.63E-06	1.3E-11	3.93E-11	3.1E-11	0	0	0	0	1.053E-08	2.8082E-08	1.20363E-06	1.32966E-11	0	6.63678E-12	0
26	571310.6	4177919	0.55, 41779	0.12844	0.14895	0.1185	144.25948	74.57026	160.72945	18.03243	9.63087	20.79832	4.39E-08	5.95E-05	7.7E-06	1.35E-11	4.09E-11	3.23E-11	0	0	0	0	1.097E-08	2.4805E-08	9.63013E-07	1.38553E-11	0	6.91563E-12	0
27	571350.6	4177919	0.55, 41779	0.13264	0.1484	0.12186	134.13439	65.82548	182.86761	16.7668	8.49886	22.85845	4.51E-08	6.77E-05	8.47E-06	1.39E-11	4.21E-11	3.32E-11	0	0	0	0	1.129E-08	2.822E-08	1.05836E-06	1.4248E-11	0	7.11165E-12	0
28	571390.6	4177919	0.55, 41779	0.13487	0.1464	0.12015	140.45529	51.40311	177.22554	17.55691	7.98518	22.15319	4.45E-08	6.56E-05	8.21E-06	1.37E-11	4.15E-11	3.28E-11	0	0	0	0	1.113E-08	2.7349E-08	1.02573E-06	1.40481E-11	0	7.01186E-12	0
29	571430.6	4177919	0.55, 41779	0.14548	0.15293	0.12366	139.19794	49.3636	190.22803	17.39974	7.65374	23.7785	4.58E-08	7.05E-05	8.81E-06	1.41E-11	4.27E-11	3.37E-11	0	0	0	0	1.145E-08	2.9356E-08	1.10096E-06	1.44586E-11	0	7.21675E-12	0
30	571470.6	4177919	0.55, 41779	0.15916	0.16179	0.13045	134.87595	45.89373	190.37308	16.85949	6.86379	23.79664	4.83E-08	7.05E-05	8.81E-06	1.49E-11	4.5E-11	3.56E-11	0	0	0	0	1.208E-08	2.9378E-08	1.10179E-06	1.52525E-11	0	7.61303E-12	0
31	571510.6	4177919	0.55, 41779	0.17426	0.17151	0.14116	122.2315	42.4201	161.48029	15.27894	5.85942	20.18504	5.23E-08	5.98E-05	7.48E-06	1.61E-11	4.87E-11	3.85E-11	0	0	0	0	1.307E-08	2.4919E-08	9.34589E-07	1.65047E-11	0	8.23801E-12	0
32	571550.6	4177919	0.55, 41779	0.18787	0.18026	0.15558	112.99449	35.73716	155.78517	14.12431	5.76206	19.47315	5.76E-08	5.77E-05	7.21E-06	1.78E-11	5.37E-11	4.24E-11	0	0	0	0	1.441E-08	2.404E-08	9.0162E-07	1.81904E-11	0	9.07942E-12	0
33	571590.6	4177919	0.55, 41779	0.19949	0.18751	0.17419	94.68734	29.26563	123.69427	11.83592	5.30509	15.46178	6.45E-08	4.58E-05	5.73E-06	1.99E-11	6.01E-11	4.75E-11	0	0	0	0	1.613E-08	1.9088E-08	7.15898E-07	2.03659E-11	0	1.01652E-11	0
34	570310.6	4177959	0.55, 41779	0.08597	0.06676	0.0838	56.89619	26.25101	62.23098	7.11202	4.18522	7.77887	3.1E-08	2.3E-05	2.88E-06	9.58E-12	2.89E-11	2.28E-11	0	0	0	0	7.76E-09	9.6038E-09	3.60185E-07	9.79697E-12	0	4.88998E-12	0
35	570350.6	4177959	0.55, 41779	0.09204	0.07257	0.08995	58.96006	27.16756	63.77509	7.37001	4.19821	7.97189	3.33E-08	2.36E-05	2.95E-06	1.03E-11	3.1E-11	2.45E-11	0	0	0	0	8.33E-09	9.8421E-09	3.69124E-07	1.0516E-11	0	5.24887E-12	0
36	570390.6	4177959	0.55, 41779	0.09833	0.07904	0.09639	63.0038	28.02201	66.12463	7.87548	4.15896	8.26558	3.57E-08	2.45E-05	3.06E-06	1.1E-11	3.33E-11	2.63E-11	0	0	0	0	8.926E-09	1.0205E-08	3.82726E-07	1.12689E-11	0	5.62468E-12	0
37	570430.6	4177959	0.55, 41779	0.10461	0.08611	0.10266	70.72142	28.76698	72.80329	8.84018	4.23038	9.10041	3.8E-08	2.7E-05	3.37E-06	1.17E-11	3.54E-11	2.8E-11	0	0	0	0	9.507E-09	1.1235E-08	4.21383E-07	1.2002E-11	0	5.99058E-12	0
38	570470.6	4177959	0.55, 41779	0.11098	0.09385	0.10929	78.78718	29.82596	80.74124	9.8484	4.47695	10.09265	4.05E-08	2.99E-05	3.74E-06	1.25E-11	3.77E-11	2.98E-11	0	0	0	0	1.012E-08	1.246E-08	4.67328E-07	1.27772E-11	0	6.3775E-12	0
39	570510.6	4177959	0.55, 41779	0.1169	0.10189	0.11567	83.26174	30.87615	84.48278	10.40772	4.70339	10.56035	4.28E-08	3.13E-05	3.91E-06	1.32E-11	3.99E-11	3.15E-11	0	0	0	0	1.071E-08	1.3038E-08	4.88986E-07	1.35231E-11	0	6.74983E-12	0
40	570550.6	4177959	0.55, 41779	0.12213	0.11	0.12099	82.46075	31.83495	82.01237	10.30759	4.9071	10.25155	4.48E-08	3.04E-05	3.8E-06	1.38E-11	4.18E-11	3.3E-11	0	0	0	0	1.12E-08	1.2656E-08	4.7469E-07	1.41452E-11	0	7.06032E-12	0
41	570590.6	4177959	0.55, 41779	0.1275	0.1185	0.12492	87.61849	32.53805	91.54904	10.95231	5.6614	11.44363	4.63E-08	3.39E-05	4.24E-06	1.43E-11	4.31E-11	3.41E-11	0	0	0	0	1.157E-08	1.4128E-08	5.29881E-07	1.46048E-11	0	7.28973E-12	0
42	570630.6	4177959	0.55, 41779	0.13429	0.12721	0.12893	94.25098	33.95012	99.61773	11.78137	6.34882	12.45222	4.78E-08	3.69E-05	4.61E-06	1.47E-11	4.45E-11	3.52E-11	0	0	0	0	1.194E-08	1.5373E-08	5.76581E-07	1.50738E-11	0	7.52381E-12	0
43	570670.6	4177959	0.55, 41779	0.1434	0.13582	0.13624	91.47953	35.4429	96.20253	12.89467	6.97952	13.63762	5.05E-08	3.56E-05	5.05E-06	1.56E-11	4.7E-11	3.71E-11	0	0	0	0	1.262E-08	1.4846E-08	6.31469E-07	1.59285E-11	0	7.95041E-12	0
44	570710.6	4177959	0.55, 41779	0.15342	0.14402	0.1467	103.54122	38.62398	108.53691	12.94265	7.57754	15.98544	5.43E-08	4.02E-05	5.92E-06	1.68E-11	5.06E-11	4E-11	0	0	0	0	1.359E-08	1.675E-08	7.40153E-07	1.71513E-11	0	8.56078E-12	0
45	570750.6	4177959	0.55, 41779	0.16261	0.1515	0.15549	105.52732	44.38977	114.23814	13.19092	8.09206	15.7724	5.76E-08	4.23E-05	5.84E-06	1.78E-11	5.37E-11	4.24E-11	0	0	0	0	1.44E-08	1.763E-08	7.30295E-07	1.8179E-11	0	9.07371E-12	0
46	570790.6	4177959	0.55, 41779	0.16989	0.15823	0.16076	113.60479	47.24143	124.57926	14.2006	8.3928	15.57241	5.96E-08	4.61E-05	5.77E-06	1.84E-11	5.55E-11	4.38E-11	0	0	0	0	1.489E-08	1.9225E-08	7.2105E-07	1.87952E-11	0	9.38127E-12	0
47	570830.6	4177959	0.55, 41779	0.1738	0.16401	0.16481	115.20896	49.45722	130.36471	14.40112	8.28774	16.29559	6.11E-08	4.83E-05	6.04E-06	1.88E-11	5.69E-11	4.49E-11	0	0	0	0	1.526E-08	2.0118E-08	7.54529E-07	1.92687E-11	0	9.61764E-12	0
48	570870.6	4177959	0.55, 41779	0.17339	0.16851	0.16469	122.33209	52.01335	138.82114	15.29151	7.46689	17.35264	6.1E-08	5.14E-05	6.43E-06	1.88E-11	5.68E-11	4.49E-11	0	0	0	0	1.525E-08	2.1423E-08	8.03473E-07	1.92548E-11	0	9.6107E-12	0
49	570910.6	4177959	0.55, 41779	0.16973	0.17204	0.1579	128.70888	55.67631	149.19916	16.08861	6.95954	18.64989	5.85E-08	5.53E-05	6.91E-06	1.8E-11	5.45E-11	4.3E-11	0	0	0	0	1.462E-08	2.3025E-08	8.63535E-07	1.84613E-11	0	9.21462E-12	0
50	570950.6	4177959	0.55, 41779	0.16375	0.1746	0.15354	137.78687	58.35606	146.62449	21.41966	8.40086	22.62642	5.69E-08	5.43E-05	8.38E-06	1.76E-11	5.3E-11	4.19E-11	0	0	0	0	1.422E-08	2.2628E-08	1.04768E-06	1.79517E-11	0	8.96029E-12	0
51	570990.6	4177959	0.55, 41779	0.1571	0.17611	0.15296	148.41379	62.43724	189.01685	21.20197	10.20575	28.13097	5.67E-08	7E-05	1.04E-05	1.75E-11	5.28E-11	4.17E-11	0	0	0	0	1.417E-08	2.9169E-08	1.30249E-06	1.7884E-11	0	8.92646E-12	0
52	571030.6	4177959	0.55, 41779	0.15135	0.1787	0.14372	141.29712	68.4386	198.29024	19.05284	11.40643	25.9054	5.32E-08	7.34E-05	9.6E-06	1.64E-11	4.96E-11	3.92E-11	0	0	0	0	1.331E-08	3.06E-08	1.19944E-06	1.6804E-11	0	8.38743E-12	0
53	571070.6	4177959	0.55, 41779	0.14838	0.1815	0.13361	143.49488	74.36914	202.29359	18.79197	11.80682	25.2867	4.95E-08	7.49E-05	9.37E-06	1.53E-11	4.61E-11	3.64E-11	0	0	0	0	1.237E-08	3.1218E-08	1.1708E-06	1.56224E-11	0	7.79765E-12	0
54	571110.6	4177959	0.55, 41779	0.14858	0.18375	0.13332	140.62761	73.34522	192.64407	22.74237	10.22286	24.08051	4.94E-08	7.14E-05	8.92E-06	1.52E-11	4.6E-11	3.64E-11	0	0	0	0	1.235E-08	2.9729E-08	1.11501E-06	1.55886E-11	0	7.78076E-12	0
55	571150.6	4177959	0.55, 41779	0.14994	0.18566	0.14292	146.3467	67.83983	199.40983	22.92053	11.48399	30.37919	5.29E-08	7.39E-05	1.13E-05	1.63E-11	4.93E-11	3.9E-11	0	0	0	0	1.324E-08	3.0773E-08	1.40659E-06	1.67107E-11	0	8.34085E-12	0
56	571190.6	4177959	0.55, 41779	0.1525	0.18616	0.14359	161.89014	78.97315	204.49698	23.12716	11.84075	29.21385	5.32E-08	7.57E-05	1.08E-05	1.64E-11	4.96E-11	3.91E-11	0	0	0	0	1.33E-08	3.1559E-08	1.35264E-06	1.67891E-11	0	8.37995E-12	0
57	571230.6	4177959	0.55, 41779	0.15542	0.18516	0.1383	156.07845	81.92899	197.17574	22.29692	11.22006	24.64697	5.12E-08	7.3E-05	9.13E-06	1.58E-11	4.77E-11	3.77E-11	0	0	0	0	1.281E-08	3.0429E-08	1.14123E-06	1.61707E-11	0	8.07132E-12	0
58	571270.6	4177959	0.55, 41779	0.15909	0.18379	0.14205	158.42767	82.70179	205.30007	19.80346	11.54254	29.32858	5.26E-08	7.6E-05	1.09E-05	1.62E-11	4.9E-11	3.87E-11	0	0	0	0	1.316E-08	3.1683E-08	1.35791E-06	1.6609E-11	0	8.29008E-12	0
59	571310.6	4177959	0.55, 41779	0.1655	0.18382	0.1484	150.26158	75.50789	204.0765	18.7827	10.48328	25.50956	5.5E-08	7.56E-05	9.45E-06	1.7E-11	5.12E-11	4.05E-11	0	0	0	0	1.374E-08	3.1493E-08	1.18111E-06	1.73512E-11	0	8.66055E-12	0
60	571350.6	4177959	0.55, 41779	0.17654	0.1881	0.15257	154.82597	60.83045	189.56737	19.35325	9.71095	23.69592	5.65E-08	7.02E-05	8.78E-06	1.74E-11	5.27E-11	4.16E-11	0	0	0	0	1.413E-08	2.9254E-08	1.09716E-06	1.78388E-11	0	8.90391E-12	0
61	571390.6	4177959	0.55, 41779	0.18842	0.1934	0.15428	152.92189	54.55359	214.59873	19.11524	9.16318	26.82484	5.72E-08	7.95E-05	9.94E-06	1.76E-11	5.33E-11	4.21E-11	0	0	0	0	1.429E-08	3.3116E-08	1.242E-06	1.80389E-11	0	9.00377E-12	0
62	571430.6	4177959	0.55, 41779	0.20645	0.20414	0.16292	148.33328	50.38722	217.66749	18.54166	8.09078	27.20844	6.04E-08	8.06E-05	1.01E-05	1.86E-11	5.62E-11	4.44E-11	0	0	0	0	1.509E-08	3.359E-08	1.25975E-06	1.90491E-11	0	9.50801E-12	0
63	571470.6	4177959	0.55, 41779	0.22554	0.21577	0.17809	134.13897	46.24246	185.84967	16.76737	6.92684	23.23121	6.6E-08	6.88E-05	8.6E-06	2.04E-11	6.15E-11	4.86E-11	0	0	0	0	1.649E-08	2.868E-08	1.07562E-06	2.08226E-11	0	1.03932E-11	0
64	571510.6	4177959	0.55, 41779	0.24332	0.22654	0.20114	122.33786	38.55117	174.21255	15.29223	6.75463	21.77657	7.45E-08	6.45E-05	8.07E-06	2.3E-11	6.94E-11	5.48E-11	0	0	0	0	1.863E-08	2.6884E-08	1.00826E-06	2.35171E-11	0	1.17381E-11	0
65	571550.6	4177959	0.55, 41779	0.25539	0.23344	0.22684	100.38932	31.1899	131.18831	12.54867	6.13877	16.39854	8.4E-08	4.86E-05	6.07E-06	2.59E-11	7.83E-11	6.18E-11	0	0	0	0	2.101E-08	2.0245E-08	7.59271E-07	2.65212E-11	0	1.32376E-11	0
66	571590.6	4177959	0.55, 41779	0.26174	0.2364	0.25018	103.20811	24.1035	113.64553	12.90101	5.55119	14.20569	9.27E-08	4.21E-05	5.26E-06	2.86E-11	8.63E-11	6.82E-11	0	0	0	0	2.317E-08	1.7537E-08	6.57766E-07	2.92494E-11	0	1.45993E-11	0
67	570310.6	4177999	0.55, 41779	0.08992	0.06909	0.08739	61.55411	26.71644	63.33313	7.69426	4.42886	7.91664	3.24E-08	2.35E-05	2.93E-06	9.99E-12	3.02E-11	2.38E-11	0	0	0	0	8.093E-09	9.7739E-09	3.6657E-07	1.02167E-11	0	5.09946E-12	0
68	570350.6	4177999	0.55, 41779	0.09687	0.07551	0.09431	63.16088	27.72336	68.96816	7.89511	4.52605	8.62102	3.49E-08	2.55E-05	3.19E-06	1.08E-11	3.25E-11	2.57E-11	0	0	0	0	8.733E-09	1.0643E-08	3.9918E-07	1.10257E-11	0	5.50328E-12	0
69	570390.6	4177999	0.55, 41779	0.10411	0.08268	0.10154	65.18315	28.66629	70.59128	8.14789	4.5901	8.82391	3.76E-08	2.61E-05	3.27E-06	1.16E-11	3.5E-11	2.77E-11	0	0	0	0	9.403E-09	1.0894E-08	4.08575E-07	1.1871E-11	0	5.92519E-12	0
70	570430.6	4177999	0.55, 41779	0.11178	0.0909	0.10932	69.77828	29.77159	73.90272	8.72229	4.64595	9.23784	4.05E-08	2.74E-05	3.42E-06	1.25E-11	3.77E-11	2.98E-11	0	0	0	0	1.012E-08	1.1405E-08	4.27744E-07	1.27806E-11	0	6.37921E-12	0
71	570470.6	4177999	0.55, 41779	0.11947	0.09994	0.11702	73.23749	30.82615	79.61188	9.15469	4.70414	9.95148	4.33E-08	2.95E-05	3.69E-06	1.34E-11	4.04E-11	3.19E-11	0	0	0	0	1.084E-08	1.2286E-08	4.60785E-07	1.36809E-11	0	6.82857E-12	0
72	570510.6	4177999	0.55, 41779	0.12689	0.1096	0.1248	83.36058	31.87471	86.19643	10.42007	5.00665	10.77455	4.62E-08	3.19E-05	3.99E-06	1.43E-11	4.31E-11	3.4E-11	0	0	0	0	1.156E-08	1.3302E-08	4.98902E-07	1.45905E-11	0	7.2826E-12	0
73	570550.6	4177999	0.55, 41779	0.1338	0.11968	0.13227	93.92369	33.13511	96.59692	11.74046	5.30601	12.07462	4.9E-08	3.58E-05	4.47E-06	1.51E-11	4.57E-11	3.61E-11	0	0	0	0	1.225E-08	1.4907E-08	5.59101E-07	1.5464E-11	0	7.71856E-12	0
74	570590.6	4177999	0.55, 41779	0.14077	0.13095	0.13895	98.98148	34.43475	100.81152	12.37268	5.77536	12.60144	5.15E-08	3.73E-05	4.67E-06	1.59E-11	4.8E-11	3.79E-11	0	0	0	0	1.287E-08	1.5557E-08	5.83496E-07	1.62451E-11	0	8.10844E-12	0
75	570630.6	4177999	0.55, 41779	0.14863	0.14246	0.14416	96.29887	35.58815	97.29546	12.03736	6.62596	12.16193	5.34E-08	3.6E-05	4.51E-06	1.65E-11	4.98E-11	3.93E-11	0	0	0	0	1.335E-08	1.5015E-08	5.63146E-07	1.68544E-11	0	8.41257E-12	0
76	570670.6	4177999	0.55, 41779	0.15906	0.15417	0.15133	108.0953	37.02771	115.61321	13.51191	7.37805	14.45165	5.61E-08	4.28E-05	5.35E-06	1.73E-11	5.22E-11	4.13E-11	0	0	0	0	1.401E-08	1.7842E-08	6.69159E-07	1.76928E-11	0	8.83105E-12	0
77	570710.6	4177999	0.55, 41779	0.17207	0.16581	0.16328	109.21603	39.28347	116.55796	14.39109	8.06843	17.60456	6.05E-08	4.32E-05	6.52E-06	1.87E-11	5.64E-11	4.45E-11	0	0	0	0	1.512E-08	1.7987E-08	8.15123E-07	1.90899E-11	0	9.5284E-12	0
78	570750.6	4177999	0.55, 41779	0.18601	0.17706	0.17647	119.66853	46.10023	126.10142	14.95857	8.7788	16.77146	6.54E-08	4.67E-05	6.21E-06	2.02E-11	6.09E-11	4.81E-11	0	0	0	0	1.634E-08	1.946E-08	7.76565E-07	2.0632E-11	0	1.02981E-11	0
79	570790.6	4177999	0.55, 41779	0.19953	0.18772	0.18696	122.67556	49.8289	134.57394	15.33445	9.45426	16.82174	6.93E-08	4.98E-05	6.23E-06	2.14E-11	6.45E-11	5.1E-11	0	0	0	0	1.731E-08	2.0768E-08	7.78897E-07	2.18585E-11	0	1.09103E-11	0
80	570830.6	4177999	0.55, 41779	0.21109	0.19773	0.1968	133.54261	52.4094	148.58094	16.69283	9.90962	18.57262	7.29E-08	5.5E-05	6.88E-06	2.25E-11	6.79E-11	5.37E-11	0	0	0	0	1.823E-08	2.2929E-08	8.59965E-07	2.30089E-11	0	1.14845E-11	0
81	570870.6	4177999	0.55, 41779	0.21804	0.20674	0.20398	131.45449	55.15858	156.57352	16.43181	9.77159	19.57169	7.56E-08	5.8E-05	7.25E-06	2.33E-11	7.04E-11	5.56E-11	0	0	0	0	1.889E-08	2.4163E-08	9.0621E-07	2.38484E-11	0	1.19035E-11	0
82	570910.6	4177999	0.55, 41779	0.21803	0.21414	0.20286	148.11273	59.13207	173.84644	18.51409	8.43226	21.73081	7.51E-08	6.44E-05	8.05E-06	2.32E-11	7E-11	5.53E-11	0	0	0	0	1.879E-08	2.6828E-08	1.00619E-06	2.37177E-11	0	1.18383E-11	0
83	570950.6	4177999	0.55, 41779	0.2114	0.21889	0.19586	140.12444	63.58464	170.21851	21.83562	9.32684	21.27731	7.26E-08	6.3E-05	7.88E-06	2.24E-11	6.76E-11	5.34E-11	0	0	0	0	1.814E-08	2.6269E-08	9.85235E-07	2.28996E-11	0	1.14299E-11	0
84	570990.6	4177999	0.55, 41779	0.2013	0.22185	0.19061	171.25011	67.61488	221.4052	25.43318	11.18299	33.45295	7.06E-08	8.2E-05	1.24E-05	2.18E-11	6.58E-11	5.2E-11	0	0	0	0	1.765E-08	3.4167E-08	1.54891E-06	2.22861E-11	0	1.11237E-11	0
85	571030.6	4177999	0.55, 41779	0.19301	0.22456	0.1804	161.4506	75.02365	233.40135	21.94671	12.50394	33.34305	6.68E-08	8.64E-05	1.24E-05	2.06E-11	6.23E-11	4.92E-11	0	0	0	0	1.671E-08	3.6018E-08	1.54378E-06	2.10927E-11	0	1.05281E-11	0
86	571070.6	4177999	0.55, 41779	0.18927	0.22808	0.16676	165.36156	82.48884	231.46597	21.97245	12.95225	28.93325	6.18E-08	8.57E-05	1.07E-05	1.91E-11	5.76E-11	4.55E-11	0	0	0	0	1.544E-08	3.572E-08	1.33964E-06	1.94986E-11	0	9.73235E-12	0
87	571110.6	4177999	0.55, 41779	0.18141	0.21619	0.16049	158.60632	80.72549	237.56536	25.62624	11.81551	29.69982	5.95E-08	8.8E-05	1.1E-05	1.83E-11	5.54E-11	4.38E-11	0	0	0	0	1.486E-08	3.6661E-08	1.37517E-06	1.87653E-11	0	9.36637E-12	0
88	571150.6	4177999	0.55, 41779	0.19202	0.23351	0.18032	164.05988	80.42402	231.86209	24.96785	14.13496	37.65816	6.68E-08	8.59E-05	1.39E-05	2.06E-11	6.22E-11	4.92E-11	0	0	0	0	1.67E-08	3.5781E-08	1.74357E-06	2.10836E-11	0	1.05235E-11	0
89	571190.6	4177999	0.55, 41779	0.1978	0.23414	0.17819	182.21875	91.74664	241.78028	26.03125	13.21695	31.92825	6.6E-08	8.95E-05	1.18E-05	2.04E-11	6.15E-11	4.86E-11	0	0	0	0	1.65E-08	3.7312E-08	1.47834E-06	2.08347E-11	0	1.03993E-11	0
90	571230.6	4177999	0.55, 41779	0.20367	0.23289	0.17473	172.67663	91.69738	231.55794	22.62496	13.85272	33.07971	6.47E-08	8.58E-05	1.23E-05	2E-11	6.03E-11	4.76E-11	0	0	0	0	1.618E-08	3.5735E-08	1.53159E-06	2.04303E-11	0	1.01974E-11	0
91	571270.6	4177999	0.55, 41779	0.21358	0.23476	0.18394	171.66845	86.35935	210.57834	21.45856	13.01074	28.58393	6.81E-08	7.8E-05	1.06E-05	2.1E-11	6.35E-11	5.02E-11	0	0	0	0	1.704E-08	3.2497E-08	1.32346E-06	2.15069E-11	0	1.07348E-11	0
92	571310.6	4177999	0.55, 41779	0.23025	0.24083	0.19159	171.26207	72.34232	231.62674	21.40776	11.81711	28.95334	7.1E-08	8.58E-05	1.07E-05	2.19E-11	6.61E-11	5.22E-11	0	0	0	0	1.774E-08	3.5745E-08	1.34056E-06	2.24012E-11	0	1.11812E-11	0
93	571350.6	4177999	0.55, 41779	0.25373	0.25254	0.198	169.27826	60.68614	249.61103	21.15978	11.13084	31.20138	7.34E-08	9.24E-05	1.16E-05	2.26E-11	6.83E-11	5.4E-11	0	0	0	0	1.834E-08	3.8519E-08	1.44463E-06	2.31509E-11	0	1.15553E-11	0
94	571390.6	4177999	0.55, 41779	0.27999	0.26698	0.21185	164.13881	55.69534	253.30621	20.51735	9.69774	31.66328	7.85E-08	9.38E-05	1.17E-05	2.42E-11	7.31E-11	5.78E-11	0	0	0	0	1.962E-08	3.9089E-08	1.466E-06	2.47702E-11	0	1.23636E-11	0
95	571430.6	4177999	0.55, 41779	0.30187	0.27888	0.2328	148.06777	50.74185	217.39094	18.50847	8.30154	27.17387	8.62E-08	8.05E-05	1.01E-05	2.66E-11	8.04E-11	6.35E-11	0	0	0	0	2.156E-08	3.3547E-08	1.25815E-06	2.72193E-11	0	1.3586E-11	0
96	571470.6	4177999	0.55, 41779	0.32222	0.29016	0.268	133.22849	41.8567	195.88733	16.65356	8.00082	24.48592	9.93E-08	7.25E-05	9.07E-06	3.06E-11	9.25E-11	7.31E-11	0	0	0	0	2.482E-08	3.0229E-08	1.1337E-06	3.1334E-11	0	1.56398E-11	0
97	571510.6	4177999	0.55, 41779	0.33311	0.29527	0.30394	113.25391	33.39085	138.27651	14.15674	7.16119	17.28456	1.13E-07	5.12E-05	6.4E-06	3.47E-11	1.05E-10	8.29E-11	0	0	0	0	2.815E-08	2.1338E-08	8.00307E-07	3.55349E-11	0	1.77366E-11	0
98	571550.6	4177999	0.55, 41779	0.33431	0.29408	0.33024	118.79132	25.19774	142.42424	14.84891	6.75336	17.80303	1.22E-07	5.27E-05	6.59E-06	3.77E-11	1.14E-10	9E-11	0	0	0	0	3.058E-08	2.1978E-08	8.24316E-07	3.86089E-11	0	1.92709E-11	0
99	571590.6	4177999	0.55, 41779	0.32897	0.28857	0.34209	117.12124	19.87515	150.29933	14.64016	6.7762	18.78742	1.27E-07	5.57E-05	6.96E-06	3.91E-11	1.18E-10	9.33E-11	0	0	0	0	3.168E-08	2.3193E-08	8.69883E-07	3.99938E-11	0	1.99622E-11	0
100	570310.6	4178039	0.55, 41780	0.09395	0.07118	0.09114	60.38117	27.45867	68.75884	7.54765	4.57644	8.59485	3.38E-08	2.55E-05	3.18E-06	1.04E-11	3.15E-11	2.48E-11	0	0	0	0	8.44E-09	1.0611E-08	3.97964E-07	1.0655E-11	0	5.31827E-12	0
101	570350.6	4178039	0.55, 41780	0.10181	0.07823	0.09867	67.40685	28.30867	69.9761	8.42586	4.71811	8.74701	3.65E-08	2.59E-05	3.24E-06	1.13E-11	3.41E-11	2.69E-11	0	0	0	0	9.137E-09	1.0799E-08	4.05019E-07	1.15354E-11	0	5.75769E-12	0
102	570390.6	4178039	0.55, 41780	0.11033	0.08626	0.10708	70.86935	29.39362	77.00767	8.85867	4.86131	9.62596	3.97E-08	2.85E-05	3.57E-06	1.22E-11	3.7E-11	2.92E-11	0	0	0	0	9.916E-09	1.1884E-08	4.45712E-07	1.25186E-11	0	6.24846E-12	0
103	570430.6	4178039	0.55, 41780	0.11935	0.09539	0.11615	72.77771	30.53752	78.92837	9.09721	4.99157	9.86605	4.3E-08	2.92E-05	3.65E-06	1.33E-11	4.01E-11	3.17E-11	0	0	0	0	1.076E-08	1.218E-08	4.56829E-07	1.35791E-11	0	6.77774E-12	0
104	570470.6	4178039	0.55, 41780	0.12876	0.10583	0.1256	77.88414	31.78332	83.40463	9.73552	5.12346	10.42558	4.65E-08	3.09E-05	3.86E-06	1.44E-11	4.33E-11	3.42E-11	0	0	0	0	1.163E-08	1.2871E-08	4.82739E-07	1.46839E-11	0	7.32922E-12	0
105	570510.6	4178039	0.55, 41780	0.13797	0.11733	0.13491	81.61557	33.05226	90.60057	10.20195	5.27698	11.32507	5E-08	3.36E-05	4.2E-06	1.54E-11	4.66E-11	3.68E-11	0	0	0	0	1.249E-08	1.3982E-08	5.24383E-07	1.57725E-11	0	7.87255E-12	0
106	570550.6	4178039	0.55, 41780	0.14677	0.12979	0.14418	83.22783	34.40977	92.92473	10.40348	5.64664	11.61559	5.34E-08	3.44E-05	4.3E-06	1.65E-11	4.98E-11	3.93E-11	0	0	0	0	1.335E-08	1.434E-08	5.37835E-07	1.68564E-11	0	8.41355E-12	0
107	570590.6	4178039	0.55, 41780	0.15543	0.14397	0.15331	100.7883	35.81672	104.85134	12.59854	6.05306	13.10642	5.68E-08	3.88E-05	4.86E-06	1.75E-11	5.29E-11	4.18E-11	0	0	0	0	1.42E-08	1.6181E-08	6.06875E-07	1.79239E-11	0	8.94641E-12	0
108	570630.6	4178039	0.55, 41780	0.16446	0.15887	0.16086	114.63184	37.47906	118.86748	14.32898	6.85921	14.85844	5.96E-08	4.4E-05	5.5E-06	1.84E-11	5.55E-11	4.39E-11	0	0	0	0	1.49E-08	1.8344E-08	6.88001E-07	1.88069E-11	0	9.38711E-12	0
109	570670.6	4178039	0.55, 41780	0.17604	0.17458	0.16859	120.19022	39.09251	122.97013	15.02378	7.81169	15.37127	6.25E-08	4.55E-05	5.69E-06	1.93E-11	5.82E-11	4.6E-11	0	0	0	0	1.561E-08	1.8977E-08	7.11749E-07	1.97109E-11	0	9.83832E-12	0
110	570710.6	4178039	0.55, 41780	0.19156	0.191	0.18153	122.05191	40.81454	130.55962	15.86896	8.63568	17.88475	6.72E-08	4.84E-05	6.62E-06	2.08E-11	6.27E-11	4.95E-11	0	0	0	0	1.681E-08	2.0148E-08	8.28112E-07	2.12238E-11	0	1.05935E-11	0
111	570750.6	4178039	0.55, 41780	0.2105	0.20761	0.19902	132.53323	47.68084	144.79481	16.56665	9.43658	19.64627	7.37E-08	5.36E-05	7.28E-06	2.27E-11	6.87E-11	5.43E-11	0	0	0	0	1.843E-08	2.2345E-08	9.09665E-07	2.32687E-11	0	1.16141E-11	0
112	570790.6	4178039	0.55, 41780	0.23169	0.22417	0.21523	139.552	52.7884	147.64201	17.444	10.33029	19.40572	7.97E-08	5.47E-05	7.19E-06	2.46E-11	7.43E-11	5.87E-11	0	0	0	0	1.993E-08	2.2784E-08	8.9854E-07	2.51639E-11	0	1.25601E-11	0
113	570830.6	4178039	0.55, 41780	0.25382	0.24067	0.23208	145.24751	55.81087	161.73262	18.15594	11.28689	20.21658	8.6E-08	5.99E-05	7.49E-06	2.65E-11	8.01E-11	6.33E-11	0	0	0	0	2.149E-08	2.4959E-08	9.36085E-07	2.71339E-11	0	1.35434E-11	0
114	570870.6	4178039	0.55, 41780	0.27385	0.25672	0.25028	159.27674	59.06353	181.66903	19.90959	12.04587	22.70863	9.27E-08	6.73E-05	8.41E-06	2.86E-11	8.64E-11	6.82E-11	0	0	0	0	2.318E-08	2.8035E-08	1.05147E-06	2.92617E-11	0	1.46054E-11	0
115	570910.6	4178039	0.55, 41780	0.28498	0.272	0.26185	154.31681	63.03506	190.144	19.2896	11.80173	23.768	9.7E-08	7.04E-05	8.8E-06	2.99E-11	9.04E-11	7.14E-11	0	0	0	0	2.425E-08	2.9343E-08	1.1005E-06	3.06145E-11	0	1.52807E-11	0
116	570950.6	4178039	0.55, 41780	0.28313	0.28254	0.2606	178.15221	69.82475	214.80591	22.26903	10.41815	26.85074	9.65E-08	7.96E-05	9.95E-06	2.98E-11	8.99E-11	7.1E-11	0	0	0	0	2.413E-08	3.3149E-08	1.24324E-06	3.04687E-11	0	1.52079E-11	0
117	570990.6	4178039	0.55, 41780	0.27042	0.28832	0.24711	188.87787	74.10995	223.28286	29.14051	12.35166	34.29706	9.15E-08	8.27E-05	1.27E-05	2.82E-11	8.53E-11	6.74E-11	0	0	0	0	2.289E-08	3.4457E-08	1.58803E-06	2.88921E-11	0	1.4421E-11	0
118	571030.6	4178039	0.55, 41780	0.25749	0.29249	0.23391	188.96663	83.29257	277.8919	26.99523	13.88209	39.69884	8.67E-08	0.000103	1.47E-05	2.67E-11	8.07E-11	6.38E-11	0	0	0	0	2.166E-08	4.2884E-08	1.83806E-06	2.73493E-11	0	1.36509E-11	0
119	571070.6	4178039	0.55, 41780	0.25163	0.29646	0.21613	192.59035	92.57991	271.23553	26.01862	14.40126	34.27332	8.01E-08	0.0001	1.27E-05	2.47E-11	7.46E-11	5.89E-11	0	0	0	0	2.002E-08	4.1857E-08	1.58689E-06	2.52712E-11	0	1.26137E-11	0
120	571110.6	4178039	0.55, 41780	0.23996	0.28057	0.20816	179.79911	89.13384	295.00102	29.33997	15.522	36.88643	7.71E-08	0.000109	1.37E-05	2.38E-11	7.19E-11	5.68E-11	0	0	0	0	1.928E-08	4.5524E-08	1.7079E-06	2.43392E-11	0	1.21485E-11	0
121	571150.6	4178039	0.55, 41780	0.25767	0.30302	0.23363	202.30498	100.11261	284.90591	28.90071	16.95197	47.48432	8.66E-08	0.000106	1.76E-05	2.67E-11	8.06E-11	6.37E-11	0	0	0	0	2.164E-08	4.3967E-08	2.19848E-06	2.73169E-11	0	1.36347E-11	0
122	571190.6	4178039	0.55, 41780	0.27122	0.30641	0.22867	194.68377	101.89225	297.80862	27.81197	16.7188	37.22608	8.47E-08	0.00011	1.38E-05	2.61E-11	7.89E-11	6.23E-11	0	0	0	0	2.118E-08	4.5958E-08	1.7236E-06	2.67373E-11	0	1.33454E-11	0
123	571230.6	4178039	0.55, 41780	0.28804	0.31092	0.2326	196.84209	99.06119	294.63263	24.60526	16.26482	42.09038	8.62E-08	0.000109	1.56E-05	2.66E-11	8.03E-11	6.34E-11	0	0	0	0	2.154E-08	4.5468E-08	1.94874E-06	2.71968E-11	0	1.35748E-11	0
124	571270.6	4178039	0.55, 41780	0.31661	0.32283	0.24843	191.8709	85.51951	280.99547	23.98386	14.63938	35.12443	9.2E-08	0.000104	1.3E-05	2.84E-11	8.58E-11	6.77E-11	0	0	0	0	2.301E-08	4.3363E-08	1.62627E-06	2.90475E-11	0	1.44985E-11	0
125	571310.6	4178039	0.55, 41780	0.35598	0.34149	0.26147	189.38373	68.10225	290.04443	23.67297	13.72977	36.25555	9.69E-08	0.000107	1.34E-05	2.99E-11	9.03E-11	7.13E-11	0	0	0	0	2.422E-08	4.4759E-08	1.67862E-06	3.05723E-11	0	1.52596E-11	0
126	571350.6	4178039	0.55, 41780	0.39399	0.35989	0.2835	182.95784	62.01914	299.45287	22.86973	11.81322	37.43161	1.05E-07	0.000111	1.39E-05	3.24E-11	9.79E-11	7.73E-11	0	0	0	0	2.626E-08	4.621E-08	1.73305E-06	3.31479E-11	0	1.65452E-11	0
127	571390.6	4178039	0.55, 41780	0.4222	0.3733	0.32107	164.47464	56.17724	258.72398	20.55933	10.13431	32.3405	1.19E-07	9.58E-05	1.2E-05	3.67E-11	1.11E-10	8.75E-11	0	0	0	0	2.974E-08	3.9925E-08	1.49735E-06	3.75397E-11	0	1.87372E-11	0
128	571430.6	4178039	0.55, 41780	0.44026	0.38105	0.3744	146.31006	45.8458	221.86738	18.28876	9.60517	27.73342	1.39E-07	8.22E-05	1.03E-05	4.28E-11	1.29E-10	1.02E-10	0	0	0	0	3.467E-08	3.4238E-08	1.28405E-06	4.37733E-11	0	2.18487E-11	0
129	571470.6	4178039	0.55, 41780	0.44344	0.3799	0.42037	134.05635	35.96521	154.66668	16.75704	8.42199	19.33334	1.56E-07	5.73E-05	7.16E-06	4.81E-11	1.45E-10	1.15E-10	0	0	0	0	3.893E-08	2.3868E-08	8.95181E-07	4.91464E-11	0	2.45305E-11	0
130	571510.6	4178039	0.55, 41780	0.43369	0.37075	0.44522	135.2804	26.4112	176.84451	16.91005	8.14543	22.10556	1.65E-07	6.55E-05	8.19E-06	5.09E-11	1.54E-10	1.21E-10	0	0	0	0	4.123E-08	2.729E-08	1.02351E-06	5.20506E-11	0	2.59801E-11	0
131	571550.6	4178039	0.55, 41780	0.4157	0.35641	0.44493	128.00174	25.24959	172.96462	16.00022	7.84928	21.62058	1.65E-07	6.41E-05	8.01E-06	5.09E-11	1.54E-10	1.21E-10	0	0	0	0	4.12E-08	2.6691E-08	1.00105E-06	5.20162E-11	0	2.5963E-11	0
132	571590.6	4178039	0.55, 41780	0.38889	0.33646	0.4222	114.21376	28.264	151.26331	14.27672	7.21894	18.90791	1.56E-07	5.6E-05	7E-06	4.83E-11	1.46E-10	1.15E-10	0	0	0	0	3.91E-08	2.3342E-08	8.75456E-07	4.93588E-11	0	2.46366E-11	0
133	570310.6	4178079	0.55, 41780	0.09792	0.07296	0.09477	71.40728	28.01469	77.09789	8.92591	4.66912	9.63724	3.51E-08	2.86E-05	3.57E-06	1.08E-11	3.27E-11	2.58E-11	0	0	0	0	8.776E-09	1.1898E-08	4.46235E-07	1.10794E-11	0	5.53008E-12	0
134	570350.6	4178079	0.55, 41780	0.1067	0.08065	0.10312	70.03301	29.10671	80.22931	8.75413	4.85112	10.02866	3.82E-08	2.97E-05	3.71E-06	1.18E-11	3.56E-11	2.81E-11	0	0	0	0	9.549E-09	1.2381E-08	4.64352E-07	1.20556E-11	0	6.01734E-12	0
135	570390.6	4178079	0.55, 41780	0.11641	0.08948	0.11242	73.93226	30.15719	77.81828	9.24153	5.0262	9.72728	4.16E-08	2.88E-05	3.6E-06	1.28E-11	3.88E-11	3.06E-11	0	0	0	0	1.041E-08	1.2009E-08	4.50407E-07	1.31429E-11	0	6.56005E-12	0
136	570430.6	4178079	0.55, 41780	0.12715	0.09969	0.12302	79.99098	31.34254	86.52141	9.99887	5.20891	10.81518	4.56E-08	3.2E-05	4.01E-06	1.41E-11	4.25E-11	3.35E-11	0	0	0	0	1.139E-08	1.3352E-08	5.00777E-07	1.43822E-11	0	7.17861E-12	0
137	570470.6	4178079	0.55, 41780	0.13857	0.11144	0.13449	81.53824	32.65768	88.86509	10.19228	5.39019	11.10814	4.98E-08	3.29E-05	4.11E-06	1.54E-11	4.64E-11	3.67E-11	0	0	0	0	1.245E-08	1.3714E-08	5.14341E-07	1.57232E-11	0	7.84796E-12	0
138	570510.6	4178079	0.55, 41780	0.15049	0.12507	0.14657	87.75299	34.11951	95.20757	10.96912	5.60116	11.90095	5.43E-08	3.53E-05	4.41E-06	1.68E-11	5.06E-11	4E-11	0	0	0	0	1.357E-08	1.4693E-08	5.51051E-07	1.71356E-11	0	8.55292E-12	0
139	570550.6	4178079	0.55, 41780	0.16198	0.14034	0.1583	91.64015	35.64897	104.22382	11.45502	5.99366	13.02798	5.86E-08	3.86E-05	4.83E-06	1.81E-11	5.46E-11	4.32E-11	0	0	0	0	1.466E-08	1.6084E-08	6.03229E-07	1.85071E-11	0	9.23749E-12	0
140	570590.6	4178079	0.55, 41780	0.17272	0.15744	0.16968	88.35639	37.38874	105.88084	11.57204	6.46071	13.23511	6.29E-08	3.92E-05	4.9E-06	1.94E-11	5.86E-11	4.63E-11	0	0	0	0	1.571E-08	1.634E-08	6.12819E-07	1.98378E-11	0	9.90166E-12	0
141	570630.6	4178079	0.55, 41780	0.1831	0.1763	0.17984	101.08083	39.23196	114.54818	12.6351	7.02353	14.31852	6.66E-08	4.24E-05	5.3E-06	2.06E-11	6.21E-11	4.9E-11	0	0	0	0	1.665E-08	1.7677E-08	6.62985E-07	2.10259E-11	0	1.04947E-11	0
142	570670.6	4178079	0.55, 41780	0.19537	0.19687	0.18849	125.63761	41.20021	131.91916	15.7047	8.22231	16.4899	6.98E-08	4.89E-05	6.11E-06	2.15E-11	6.51E-11	5.14E-11	0	0	0	0	1.746E-08	2.0358E-08	7.63541E-07	2.20375E-11	0	1.09996E-11	0
143	570710.6	4178079	0.55, 41780	0.21241	0.21933	0.20096	144.38379	43.29239	151.59141	18.04797	9.29195	18.94893	7.44E-08	5.61E-05	7.02E-06	2.3E-11	6.94E-11	5.48E-11	0	0	0	0	1.861E-08	2.3394E-08	8.77402E-07	2.34958E-11	0	1.17275E-11	0
144	570750.6	4178079	0.55, 41780	0.23537	0.24332	0.2221	149.96792	48.92505	154.1756	18.74599	10.23	23.04389	8.23E-08	5.71E-05	8.54E-06	2.54E-11	7.67E-11	6.06E-11	0	0	0	0	2.057E-08	2.3793E-08	1.06697E-06	2.59674E-11	0	1.29612E-11	0
145	570790.6	4178079	0.55, 41780	0.26445	0.26867	0.24585	159.48841	56.15329	178.05216	19.93605	11.24377	22.79466	9.11E-08	6.59E-05	8.44E-06	2.81E-11	8.49E-11	6.7E-11	0	0	0	0	2.277E-08	2.7477E-08	1.05545E-06	2.87442E-11	0	1.43472E-11	0
146	570830.6	4178079	0.55, 41780	0.30001	0.29551	0.27029	164.85959	59.75168	177.78875	20.60745	12.43332	22.22359	1E-07	6.58E-05	8.23E-06	3.09E-11	9.33E-11	7.37E-11	0	0	0	0	2.503E-08	2.7437E-08	1.02902E-06	3.16017E-11	0	1.57734E-11	0
147	570870.6	4178079	0.55, 41780	0.34051	0.32416	0.30185	178.96906	63.85658	203.22306	22.37113	13.91568	25.40288	1.12E-07	7.53E-05	9.41E-06	3.45E-11	1.04E-10	8.23E-11	0	0	0	0	2.795E-08	3.1361E-08	1.17622E-06	3.52915E-11	0	1.76151E-11	0
148	570910.6	4178079	0.55, 41780	0.37529	0.35313	0.33459	192.82824	68.49057	229.7632	24.10353	15.26079	28.7204	1.24E-07	8.51E-05	1.06E-05	3.82E-11	1.15E-10	9.12E-11	0	0	0	0	3.099E-08	3.5457E-08	1.32981E-06	3.91192E-11	0	1.95256E-11	0
149	570950.6	4178079	0.55, 41780	0.39192	0.37725	0.35493	199.56835	75.56845	241.42387	26.9715	14.65967	30.17798	1.31E-07	8.94E-05	1.12E-05	4.06E-11	1.23E-10	9.68E-11	0	0	0	0	3.287E-08	3.7257E-08	1.39732E-06	4.14973E-11	0	2.07126E-11	0
150	570990.6	4178079	0.55, 41780	0.38624	0.39167	0.34038	209.52387	83.72546	270.89556	31.32288	13.79848	33.86195	1.26E-07	0.0001	1.25E-05	3.89E-11	1.17E-10	9.28E-11	0	0	0	0	3.152E-08	4.1805E-08	1.56792E-06	3.97971E-11	0	1.9864E-11	0
151	571030.6	4178079	0.55, 41780	0.36706	0.40059	0.31708	238.62537	94.19927	346.28961	34.73297	15.69988	52.33117	1.17E-07	0.000128	1.94E-05	3.62E-11	1.09E-10	8.65E-11	0	0	0	0	2.937E-08	5.3439E-08	2.42293E-06	3.70739E-11	0	1.85048E-11	0
152	571070.6	4178079	0.55, 41780	0.35702	0.41066	0.29659	228.92087	105.90077	368.47625	31.45005	16.61116	46.05953	1.1E-07	0.000136	1.71E-05	3.39E-11	1.02E-10	8.09E-11	0	0	0	0	2.747E-08	5.6863E-08	2.13256E-06	3.46792E-11	0	1.73095E-11	0
153	571110.6	4178079	0.55, 41780	0.35812	0.41418	0.29542	212.64364	104.08221	374.64105	34.6648	20.98986	46.90606	1.09E-07	0.000139	1.74E-05	3.38E-11	1.02E-10	8.05E-11	0	0	0	0	2.736E-08	5.7814E-08	2.17179E-06	3.45426E-11	0	1.72413E-11	0
154	571150.6	4178079	0.55, 41780	0.37758	0.42317	0.31748	239.48451	117.47672	371.65504	34.21207	20.38272	60.67868	1.18E-07	0.000138	2.25E-05	3.63E-11	1.1E-10	8.66E-11	0	0	0	0	2.94E-08	5.7354E-08	2.80934E-06	3.71213E-11	0	1.85285E-11	0
155	571190.6	4178079	0.55, 41780	0.41277	0.43447	0.31013	228.77572	115.09155	359.73847	28.66724	20.67403	44.96731	1.15E-07	0.000133	1.67E-05	3.55E-11	1.07E-10	8.46E-11	0	0	0	0	2.872E-08	5.5515E-08	2.08197E-06	3.62627E-11	0	1.80999E-11	0
156	571230.6	4178079	0.55, 41780	0.46673	0.45732	0.33128	219.54291	100.98995	305.404	27.44286	18.56894	43.62914	1.23E-07	0.000113	1.62E-05	3.79E-11	1.14E-10	9.03E-11	0	0	0	0	3.068E-08	4.713E-08	2.02E-06	3.87356E-11	0	1.93342E-11	0
157	571270.6	4178079	0.55, 41780	0.53318	0.48578	0.3586	215.1929	81.06645	332.5769	26.89911	17.27973	41.57211	1.33E-07	0.000123	1.54E-05	4.1E-11	1.24E-10	9.78E-11	0	0	0	0	3.321E-08	5.1322E-08	1.92477E-06	4.19299E-11	0	2.09285E-11	0
158	571310.6	4178079	0.55, 41780	0.58671	0.50689	0.39805	205.97464	69.75551	363.05687	25.74683	14.70822	45.38211	1.47E-07	0.000134	1.68E-05	4.55E-11	1.37E-10	1.09E-10	0	0	0	0	3.687E-08	5.6025E-08	2.10113E-06	4.65417E-11	0	2.32304E-11	0
159	571350.6	4178079	0.55, 41780	0.61439	0.51569	0.46686	184.46358	62.8789	316.33591	23.05795	12.5762	39.54199	1.73E-07	0.000117	1.46E-05	5.34E-11	1.61E-10	1.27E-10	0	0	0	0	4.324E-08	4.8815E-08	1.83075E-06	5.45847E-11	0	2.7245E-11	0
160	571390.6	4178079	0.55, 41780	0.61879	0.51229	0.54521	162.6235	50.78632	251.98298	20.32794	11.67282	31.49787	2.02E-07	9.33E-05	1.17E-05	6.23E-11	1.88E-10	1.49E-10	0	0	0	0	5.049E-08	3.8885E-08	1.45834E-06	6.37424E-11	0	3.18159E-11	0
161	571430.6	4178079	0.55, 41780	0.60477	0.49855	0.60294	157.24404	39.05995	207.2573	19.65551	9.99401	25.90716	2.23E-07	7.68E-05	9.6E-06	6.89E-11	2.08E-10	1.64E-10	0	0	0	0	5.583E-08	3.1983E-08	1.19953E-06	7.04896E-11	0	3.51836E-11	0
162	571470.6	4178079	0.55, 41780	0.57311	0.47467	0.61341	152.07991	30.59352	215.52596	19.00999	9.68796	26.94074	2.27E-07	7.98E-05	9.98E-06	7.01E-11	2.12E-10	1.67E-10	0	0	0	0	5.68E-08	3.3259E-08	1.24737E-06	7.17126E-11	0	3.5794E-11	0
163	571510.6	4178079	0.55, 41780	0.53465	0.44658	0.58613	137.55383	33.88214	191.36045	17.19423	8.95455	23.92006	2.17E-07	7.09E-05	8.86E-06	6.7E-11	2.02E-10	1.6E-10	0	0	0	0	5.428E-08	2.953E-08	1.10751E-06	6.85231E-11	0	3.42021E-11	0
164	571550.6	4178079	0.55, 41780	0.48548	0.41212	0.53241	120.13532	36.07438	157.49519	15.01691	7.90342	19.6869	1.97E-07	5.83E-05	7.29E-06	6.09E-11	1.84E-10	1.45E-10	0	0	0	0	4.93E-08	2.4304E-08	9.11526E-07	6.2243E-11	0	3.10675E-11	0
165	571590.6	4178079	0.55, 41780	0.43445	0.37558	0.47142	108.95419	37.19094	141.55637	13.61927	6.74143	17.69455	1.75E-07	5.24E-05	6.55E-06	5.39E-11	1.63E-10	1.29E-10	0	0	0	0	4.366E-08	2.1845E-08	8.19279E-07	5.51131E-11	0	2.75087E-11	0
166	570310.6	4178119	0.55, 41781	0.10149	0.07442	0.09774	69.0748	28.05035	78.28908	8.63435	4.67506	9.78613	3.62E-08	2.9E-05	3.62E-06	1.12E-11	3.37E-11	2.66E-11	0	0	0	0	9.051E-09	1.2082E-08	4.53124E-07	1.14266E-11	0	5.70338E-12	0
167	570350.6	4178119	0.55, 41781	0.11138	0.08273	0.10725	79.07973	29.62524	82.98136	9.88497	4.93754	10.37267	3.97E-08	3.07E-05	3.84E-06	1.23E-11	3.7E-11	2.92E-11	0	0	0	0	9.932E-09	1.2806E-08	4.80291E-07	1.25384E-11	0	6.25832E-12	0
168	570390.6	4178119	0.55, 41781	0.12249	0.09237	0.11775	81.81771	30.97041	92.38822	10.22721	5.16174	11.54853	4.36E-08	3.42E-05	4.28E-06	1.35E-11	4.06E-11	3.21E-11	0	0	0	0	1.09E-08	1.4257E-08	5.34728E-07	1.3766E-11	0	6.87105E-12	0
169	570430.6	4178119	0.55, 41781	0.13492	0.10362	0.12964	81.48606	32.23138	89.13007	10.18576	5.3719	11.14126	4.8E-08	3.3E-05	4.13E-06	1.48E-11	4.47E-11	3.53E-11	0	0	0	0	1.201E-08	1.3755E-08	5.15874E-07	1.51561E-11	0	7.56489E-12	0
170	570470.6	4178119	0.55, 41781	0.14882	0.11683	0.14311	90.82614	33.6686	97.62505	11.35327	5.5932	12.20313	5.3E-08	3.62E-05	4.52E-06	1.64E-11	4.94E-11	3.9E-11	0	0	0	0	1.325E-08	1.5066E-08	5.65045E-07	1.67309E-11	0	8.35094E-12	0
171	570510.6	4178119	0.55, 41781	0.16361	0.13228	0.15796	92.34034	35.20886	102.68913	11.54254	5.82093	12.83614	5.85E-08	3.8E-05	4.75E-06	1.81E-11	5.45E-11	4.31E-11	0	0	0	0	1.463E-08	1.5847E-08	5.9435E-07	1.84671E-11	0	9.21754E-12	0
172	570550.6	4178119	0.55, 41781	0.17911	0.1505	0.17388	100.11195	36.92243	110.21215	12.51399	6.33987	13.77652	6.44E-08	4.08E-05	5.1E-06	1.99E-11	6E-11	4.74E-11	0	0	0	0	1.61E-08	1.7008E-08	6.37894E-07	2.03285E-11	0	1.01466E-11	0
173	570590.6	4178119	0.55, 41781	0.19374	0.17125	0.18923	103.74737	38.76233	121.67682	12.96842	6.89651	15.2096	7.01E-08	4.51E-05	5.63E-06	2.16E-11	6.53E-11	5.16E-11	0	0	0	0	1.752E-08	1.8777E-08	7.04239E-07	2.21233E-11	0	1.10424E-11	0
174	570630.6	4178119	0.55, 41781	0.2069	0.19483	0.20326	104.63966	41.01094	121.05227	13.84797	7.49161	15.13153	7.53E-08	4.48E-05	5.61E-06	2.32E-11	7.02E-11	5.54E-11	0	0	0	0	1.882E-08	1.8681E-08	7.00636E-07	2.37639E-11	0	1.18613E-11	0
175	570670.6	4178119	0.55, 41781	0.21998	0.22122	0.21442	115.58367	43.51142	138.36153	15.0671	8.60459	17.29519	7.94E-08	5.12E-05	6.41E-06	2.45E-11	7.4E-11	5.85E-11	0	0	0	0	1.986E-08	2.1352E-08	8.00811E-07	2.50691E-11	0	1.25128E-11	0
176	570710.6	4178119	0.55, 41781	0.23703	0.25104	0.22497	127.12041	45.98226	134.54184	16.41254	9.96819	16.81773	8.33E-08	4.98E-05	6.23E-06	2.57E-11	7.76E-11	6.13E-11	0	0	0	0	2.083E-08	2.0763E-08	7.78725E-07	2.63031E-11	0	1.31287E-11	0
177	570750.6	4178119	0.55, 41781	0.26187	0.28441	0.24496	163.41699	49.64069	173.69321	20.42712	11.18287	24.67477	9.07E-08	6.43E-05	9.14E-06	2.8E-11	8.45E-11	6.68E-11	0	0	0	0	2.269E-08	2.6804E-08	1.14249E-06	2.86406E-11	0	1.42955E-11	0
178	570790.6	4178119	0.55, 41781	0.29707	0.32177	0.27572	189.30326	59.79186	203.13563	23.66291	12.3939	25.39195	1.02E-07	7.52E-05	9.41E-06	3.15E-11	9.52E-11	7.52E-11	0	0	0	0	2.554E-08	3.1348E-08	1.17573E-06	3.22371E-11	0	1.60906E-11	0
179	570830.6	4178119	0.55, 41781	0.34574	0.3643	0.31009	193.11502	64.55328	210.79637	24.13938	13.76558	26.34955	1.15E-07	7.81E-05	9.76E-06	3.54E-11	1.07E-10	8.45E-11	0	0	0	0	2.872E-08	3.253E-08	1.22007E-06	3.62558E-11	0	1.80964E-11	0
180	570870.6	4178119	0.55, 41781	0.41228	0.41342	0.35667	202.8381	69.60981	241.64288	25.35476	15.49628	31.6123	1.32E-07	8.95E-05	1.17E-05	4.08E-11	1.23E-10	9.72E-11	0	0	0	0	3.303E-08	3.729E-08	1.4637E-06	4.17018E-11	0	2.08147E-11	0
181	570910.6	4178119	0.55, 41781	0.49003	0.46844	0.41739	224.50761	75.3478	268.49725	28.06345	17.99511	33.56216	1.55E-07	9.94E-05	1.24E-05	4.77E-11	1.44E-10	1.14E-10	0	0	0	0	3.866E-08	4.1434E-08	1.554E-06	4.88008E-11	0	2.4358E-11	0
182	570950.6	4178119	0.55, 41781	0.55455	0.52056	0.48015	237.44511	82.6149	307.44591	31.19836	20.61697	38.43074	1.78E-07	0.000114	1.42E-05	5.49E-11	1.66E-10	1.31E-10	0	0	0	0	4.447E-08	4.7445E-08	1.77941E-06	5.6138E-11	0	2.80203E-11	0
183	570990.6	4178119	0.55, 41781	0.59019	0.56679	0.49805	260.70129	98.30209	347.94815	39.14578	18.7176	43.49352	1.85E-07	0.000129	1.61E-05	5.69E-11	1.72E-10	1.36E-10	0	0	0	0	4.613E-08	5.3695E-08	2.01387E-06	5.82317E-11	0	2.90653E-11	0
184	571030.6	4178119	0.55, 41781	0.58003	0.59593	0.46436	288.08817	110.38847	394.82286	43.41155	19.84321	60.28631	1.72E-07	0.000146	2.23E-05	5.31E-11	1.6E-10	1.27E-10	0	0	0	0	4.301E-08	6.0928E-08	2.79129E-06	5.42947E-11	0	2.71002E-11	0
185	571070.6	4178119	0.55, 41781	0.56003	0.61401	0.43624	281.59163	124.26135	479.69295	39.26934	23.95732	65.06151	1.62E-07	0.000178	2.41E-05	4.99E-11	1.51E-10	1.19E-10	0	0	0	0	4.04E-08	7.4025E-08	3.01229E-06	5.10084E-11	0	2.54599E-11	0
186	571110.6	4178119	0.55, 41781	0.57497	0.62965	0.42923	279.23237	138.16088	507.21032	41.39356	27.39628	63.69191	1.59E-07	0.000188	2.36E-05	4.91E-11	1.48E-10	1.17E-10	0	0	0	0	3.976E-08	7.8271E-08	2.94892E-06	5.01896E-11	0	2.50512E-11	0
187	571150.6	4178119	0.55, 41781	0.64473	0.65929	0.45591	273.06399	137.55558	506.75735	37.77228	27.34359	77.75635	1.69E-07	0.000188	2.88E-05	5.21E-11	1.57E-10	1.24E-10	0	0	0	0	4.223E-08	7.8201E-08	3.59993E-06	5.33091E-11	0	2.66083E-11	0
188	571190.6	4178119	0.55, 41781	0.76806	0.70549	0.46182	260.36357	120.74038	479.78233	32.90288	24.49294	68.54033	1.71E-07	0.000178	2.54E-05	5.28E-11	1.59E-10	1.26E-10	0	0	0	0	4.277E-08	7.4038E-08	3.17325E-06	5.40016E-11	0	2.69539E-11	0
189	571230.6	4178119	0.55, 41781	0.88147	0.74364	0.51839	250.38438	100.21062	435.42985	31.29805	22.32262	54.42873	1.92E-07	0.000161	2.02E-05	5.93E-11	1.79E-10	1.41E-10	0	0	0	0	4.801E-08	6.7194E-08	2.51998E-06	6.06151E-11	0	3.02549E-11	0
190	571270.6	4178119	0.55, 41781	0.94057	0.75526	0.59724	235.31349	80.57107	462.41399	29.41419	18.81416	57.80175	2.21E-07	0.000171	2.14E-05	6.83E-11	2.06E-10	1.63E-10	0	0	0	0	5.531E-08	7.1357E-08	2.6761E-06	6.98319E-11	0	3.48553E-11	0
191	571310.6	4178119	0.55, 41781	0.94266	0.74202	0.72716	211.76846	71.48368	401.12341	26.47106	15.9259	50.14043	2.69E-07	0.000149	1.86E-05	8.31E-11	2.51E-10	1.98E-10	0	0	0	0	6.734E-08	6.1899E-08	2.32141E-06	8.50169E-11	0	4.24346E-11	0
192	571350.6	4178119	0.55, 41781	0.90909	0.71255	0.85266	184.59351	57.17412	286.57244	23.07419	14.42847	35.82155	3.16E-07	0.000106	1.33E-05	9.75E-11	2.94E-10	2.32E-10	0	0	0	0	7.896E-08	4.4222E-08	1.65852E-06	9.96847E-11	0	4.97558E-11	0
193	571390.6	4178119	0.55, 41781	0.85308	0.67145	0.90336	182.88204	42.90716	275.98695	22.86025	12.27464	34.49837	3.35E-07	0.000102	1.28E-05	1.03E-10	3.12E-10	2.46E-10	0	0	0	0	8.365E-08	4.2589E-08	1.59727E-06	1.05609E-10	0	5.2713E-11	0
194	571430.6	4178119	0.55, 41781	0.78	0.62166	0.86624	169.0522	41.64549	252.50347	21.13153	11.39175	31.56293	3.21E-07	9.35E-05	1.17E-05	9.9E-11	2.99E-10	2.36E-10	0	0	0	0	8.022E-08	3.8965E-08	1.46136E-06	1.01269E-10	0	5.05466E-11	0
195	571470.6	4178119	0.55, 41781	0.69763	0.567	0.77646	144.82238	43.55007	199.26025	18.1028	10.0864	24.90753	2.88E-07	7.38E-05	9.23E-06	8.87E-11	2.68E-10	2.12E-10	0	0	0	0	7.19E-08	3.0749E-08	1.15324E-06	9.07734E-11	0	4.53079E-11	0
196	571510.6	4178119	0.55, 41781	0.61632	0.51188	0.67545	129.07456	44.20691	173.84445	16.93315	8.5721	21.73056	2.5E-07	6.44E-05	8.05E-06	7.72E-11	2.33E-10	1.84E-10	0	0	0	0	6.255E-08	2.6827E-08	1.00615E-06	7.89652E-11	0	3.9414E-11	0
197	571550.6	4178119	0.55, 41781	0.53701	0.45659	0.57828	116.13448	43.6354	149.52645	16.99831	7.6971	20.20244	2.14E-07	5.54E-05	7.48E-06	6.61E-11	2E-10	1.58E-10	0	0	0	0	5.355E-08	2.3075E-08	9.35416E-07	6.76058E-11	0	3.37442E-11	0
198	571590.6	4178119	0.55, 41781	0.46599	0.40463	0.49394	103.06511	42.01095	133.93422	16.60125	6.75955	20.50745	1.83E-07	4.96E-05	7.6E-06	5.65E-11	1.7E-10	1.35E-10	0	0	0	0	4.574E-08	2.0669E-08	9.4953E-07	5.77462E-11	0	2.8823E-11	0
199	570310.6	4178159	0.55, 41781	0.10452	0.07557	0.10002	83.14681	27.07322	89.45551	10.39335	4.47805	11.18194	3.7E-08	3.31E-05	4.14E-06	1.14E-11	3.45E-11	2.73E-11	0	0	0	0	9.262E-09	1.3805E-08	5.1776E-07	1.16931E-11	0	5.83641E-12	0
200	570350.6	4178159	0.55, 41781	0.1156	0.08446	0.11071	83.51332	29.37807	93.62995	10.43917	4.89635	11.70374	4.1E-08	3.47E-05	4.34E-06	1.27E-11	3.82E-11	3.02E-11	0	0	0	0	1.025E-08	1.4449E-08	5.41916E-07	1.29429E-11	0	6.46021E-12	0
201	570390.6	4178159	0.55, 41781	0.12828	0.09489	0.12282	85.72091	31.44775	90.10823	10.71511	5.24129	11.26353	4.55E-08	3.34E-05	4.17E-06	1.4E-11	4.24E-11	3.35E-11	0	0	0	0	1.137E-08	1.3906E-08	5.21541E-07	1.43587E-11	0	7.16688E-12	0
202	570430.6	4178159	0.55, 41781	0.14269	0.1072	0.13639	94.53138	33.159	104.73347	11.81642	5.5265	13.09168	5.05E-08	3.88E-05	4.85E-06	1.56E-11	4.71E-11	3.72E-11	0	0	0	0	1.263E-08	1.6163E-08	6.06183E-07	1.59452E-11	0	7.95875E-12	0
203	570470.6	4178159	0.55, 41781	0.15906	0.12183	0.15182	91.68652	34.69147	109.10852	11.46082	5.78191	13.63857	5.62E-08	4.04E-05	5.05E-06	1.74E-11	5.24E-11	4.14E-11	0	0	0	0	1.406E-08	1.6838E-08	6.31495E-07	1.77492E-11	0	8.85917E-12	0
204	570510.6	4178159	0.55, 41781	0.17738	0.13933	0.16931	103.8828	36.49731	110.76271	12.98535	6.04456	13.84534	6.27E-08	4.1E-05	5.13E-06	1.94E-11	5.84E-11	4.62E-11	0	0	0	0	1.568E-08	1.7093E-08	6.41086E-07	1.9794E-11	0	9.87982E-12	0
205	570550.6	4178159	0.55, 41781	0.19733	0.16029	0.18927	106.21161	38.46337	121.82569	13.27645	6.62676	15.22821	7.01E-08	4.51E-05	5.64E-06	2.16E-11	6.53E-11	5.16E-11	0	0	0	0	1.753E-08	1.88E-08	7.05104E-07	2.21277E-11	0	1.10446E-11	0
206	570590.6	4178159	0.55, 41781	0.21794	0.18524	0.21062	115.65264	40.48441	129.80552	14.45658	7.37316	16.22569	7.8E-08	4.81E-05	6.01E-06	2.41E-11	7.27E-11	5.74E-11	0	0	0	0	1.95E-08	2.0032E-08	7.51294E-07	2.46239E-11	0	1.22906E-11	0
207	570630.6	4178159	0.55, 41781	0.23707	0.21436	0.23118	118.44365	42.79741	144.28442	14.80546	8.08317	18.03555	8.56E-08	5.34E-05	6.68E-06	2.64E-11	7.98E-11	6.3E-11	0	0	0	0	2.141E-08	2.2266E-08	8.3508E-07	2.70279E-11	0	1.34905E-11	0
208	570670.6	4178159	0.55, 41781	0.25383	0.24795	0.24882	124.95922	45.84094	144.90734	15.6199	8.90031	18.11342	9.22E-08	5.37E-05	6.71E-06	2.84E-11	8.59E-11	6.78E-11	0	0	0	0	2.304E-08	2.2362E-08	8.38695E-07	2.90907E-11	0	1.45201E-11	0
209	570710.6	4178159	0.55, 41781	0.27135	0.28697	0.26135	131.25248	49.29697	162.49426	17.47805	10.6966	20.31178	9.68E-08	6.02E-05	7.52E-06	2.99E-11	9.02E-11	7.13E-11	0	0	0	0	2.42E-08	2.5076E-08	9.40484E-07	3.05564E-11	0	1.52517E-11	0
210	570750.6	4178159	0.55, 41781	0.29528	0.33222	0.27619	146.48828	52.90094	155.94977	21.86848	12.23914	22.93785	1.02E-07	5.78E-05	8.5E-06	3.16E-11	9.53E-11	7.53E-11	0	0	0	0	2.558E-08	2.4066E-08	1.0621E-06	3.22924E-11	0	1.61182E-11	0
211	570790.6	4178159	0.55, 41781	0.33253	0.38536	0.30655	168.4296	63.37031	207.44804	22.18934	13.75991	31.3643	1.14E-07	7.68E-05	1.16E-05	3.5E-11	1.06E-10	8.36E-11	0	0	0	0	2.839E-08	3.2013E-08	1.45218E-06	3.58426E-11	0	1.78902E-11	0
212	570830.6	4178159	0.55, 41781	0.39122	0.44987	0.34708	226.40986	70.88867	244.94075	28.30123	15.58224	30.61759	1.29E-07	9.07E-05	1.13E-05	3.97E-11	1.2E-10	9.46E-11	0	0	0	0	3.214E-08	3.7799E-08	1.41769E-06	4.05819E-11	0	2.02557E-11	0
213	570870.6	4178159	0.55, 41781	0.48272	0.53035	0.408	262.06298	76.1106	293.39264	32.75787	17.58972	36.67408	1.51E-07	0.000109	1.36E-05	4.66E-11	1.41E-10	1.11E-10	0	0	0	0	3.779E-08	4.5276E-08	1.69811E-06	4.7705E-11	0	2.38111E-11	0
214	570910.6	4178159	0.55, 41781	0.61652	0.63133	0.50366	261.24493	84.17228	335.42472	32.65562	20.33398	41.92809	1.87E-07	0.000124	1.55E-05	5.76E-11	1.74E-10	1.37E-10	0	0	0	0	4.665E-08	5.1762E-08	1.94133E-06	5.88893E-11	0	2.93936E-11	0
215	570950.6	4178159	0.55, 41781	0.78722	0.75662	0.63069	286.12528	93.97029	373.71712	38.09436	25.30252	46.71464	2.34E-07	0.000138	1.73E-05	7.21E-11	2.18E-10	1.72E-10	0	0	0	0	5.841E-08	5.7671E-08	2.16297E-06	7.37411E-11	0	3.68066E-11	0
216	570990.6	4178159	0.55, 41781	0.95557	0.89576	0.74297	303.7283	113.02353	445.40224	49.39935	30.83627	55.67528	2.75E-07	0.000165	2.06E-05	8.49E-11	2.56E-10	2.03E-10	0	0	0	0	6.881E-08	6.8733E-08	2.57792E-06	8.68693E-11	0	4.33592E-11	0
217	571030.6	4178159	0.55, 41781	1.0701	1.00768	0.7637	365.27865	135.92516	512.48146	63.89384	29.33742	70.31034	2.83E-07	0.00019	2.6E-05	8.73E-11	2.64E-10	2.08E-10	0	0	0	0	7.073E-08	7.9085E-08	3.25558E-06	8.92958E-11	0	4.45704E-11	0
218	571070.6	4178159	0.55, 41781	1.06935	1.07923	0.71312	382.13438	155.20031	662.82772	54.74849	37.25068	94.68967	2.64E-07	0.000245	3.51E-05	8.15E-11	2.46E-10	1.94E-10	0	0	0	0	6.605E-08	1.0229E-07	4.38402E-06	8.3386E-11	0	4.16206E-11	0
219	571110.6	4178159	0.55, 41781	1.19831	1.16386	0.6846	373.85472	174.62021	736.75515	53.40782	39.37776	93.09067	2.54E-07	0.000273	3.45E-05	7.83E-11	2.36E-10	1.87E-10	0	0	0	0	6.341E-08	1.1369E-07	4.30998E-06	8.00553E-11	0	3.99582E-11	0
220	571150.6	4178159	0.55, 41781	1.53671	1.26322	0.72724	331.2731	149.81574	693.97089	50.26616	34.67292	96.78528	2.69E-07	0.000257	3.58E-05	8.31E-11	2.51E-10	1.98E-10	0	0	0	0	6.736E-08	1.0709E-07	4.48097E-06	8.50432E-11	0	4.24478E-11	0
221	571190.6	4178159	0.55, 41781	1.71324	1.27647	0.80447	303.51531	125.05743	565.89383	43.45807	29.97586	80.84198	2.98E-07	0.00021	2.99E-05	9.2E-11	2.78E-10	2.19E-10	0	0	0	0	7.451E-08	8.7326E-08	3.74284E-06	9.4071E-11	0	4.69538E-11	0
222	571230.6	4178159	0.55, 41781	1.67997	1.21931	0.99011	277.00255	96.22407	622.39581	36.53844	24.95569	77.79948	3.67E-07	0.000231	2.88E-05	1.13E-10	3.42E-10	2.7E-10	0	0	0	0	9.17E-08	9.6044E-08	3.60191E-06	1.15767E-10	0	5.77832E-11	0
223	571270.6	4178159	0.55, 41781	1.56347	1.13234	1.265	251.98402	83.18585	536.39129	31.498	20.71301	67.04891	4.69E-07	0.000199	2.48E-05	1.45E-10	4.37E-10	3.45E-10	0	0	0	0	1.171E-07	8.2772E-08	3.10419E-06	1.47894E-10	0	7.38188E-11	0
224	571310.6	4178159	0.55, 41781	1.42012	1.03692	1.45126	223.09845	65.85457	360.16353	27.88731	18.21453	45.02044	5.38E-07	0.000133	1.67E-05	1.66E-10	5.01E-10	3.96E-10	0	0	0	0	1.344E-07	5.5578E-08	2.08442E-06	1.69662E-10	0	8.46836E-11	0
225	571350.6	4178159	0.55, 41781	1.26306	0.93714	1.42084	212.7442	53.05659	355.96566	26.59303	15.01468	44.49571	5.26E-07	0.000132	1.65E-05	1.62E-10	4.9E-10	3.87E-10	0	0	0	0	1.316E-07	5.493E-08	2.06011E-06	1.66103E-10	0	8.29072E-11	0
226	571390.6	4178159	0.55, 41781	1.10199	0.83709	1.24864	185.92823	54.01949	274.01244	23.24103	13.29114	34.25155	4.62E-07	0.000101	1.27E-05	1.43E-10	4.31E-10	3.4E-10	0	0	0	0	1.156E-07	4.2284E-08	1.58585E-06	1.45972E-10	0	7.28594E-11	0
227	571430.6	4178159	0.55, 41781	0.9418	0.73869	1.04204	159.26436	53.60229	222.79179	21.61583	11.2268	27.84897	3.86E-07	8.25E-05	1.03E-05	1.19E-10	3.6E-10	2.84E-10	0	0	0	0	9.649E-08	3.4381E-08	1.28944E-06	1.21821E-10	0	6.08047E-11	0
228	571470.6	4178159	0.55, 41781	0.79447	0.64516	0.85663	139.92539	51.85557	187.30754	21.06215	9.90602	27.91527	3.17E-07	6.94E-05	1.03E-05	9.79E-11	2.96E-10	2.34E-10	0	0	0	0	7.933E-08	2.8905E-08	1.29251E-06	1.00146E-10	0	4.99863E-11	0
229	571510.6	4178159	0.55, 41781	0.67282	0.56206	0.7111	120.25585	49.92459	159.61818	19.96311	8.50885	26.60303	2.63E-07	5.91E-05	9.85E-06	8.13E-11	2.45E-10	1.94E-10	0	0	0	0	6.585E-08	2.4632E-08	1.23175E-06	8.31337E-11	0	4.14947E-11	0
230	571550.6	4178159	0.55, 41781	0.57423	0.48972	0.59807	110.64777	47.57404	144.95635	18.4413	7.31081	24.15939	2.22E-07	5.37E-05	8.95E-06	6.84E-11	2.06E-10	1.63E-10	0	0	0	0	5.538E-08	2.237E-08	1.11861E-06	6.992E-11	0	3.48993E-11	0
231	571590.6	4178159	0.55, 41781	0.49292	0.42713	0.50772	100.4908	44.5532	128.72625	16.74847	6.44552	21.45437	1.88E-07	4.77E-05	7.95E-06	5.8E-11	1.75E-10	1.38E-10	0	0	0	0	4.702E-08	1.9865E-08	9.93366E-07	5.93576E-11	0	2.96273E-11	0
232	570310.6	4178199	0.55, 41781	0.10691	0.07648	0.10208	81.28791	24.55019	79.664	10.16099	3.94128	9.958	3.78E-08	2.95E-05	3.69E-06	1.17E-11	3.52E-11	2.78E-11	0	0	0	0	9.453E-09	1.2294E-08	4.61099E-07	1.19339E-11	0	5.95661E-12	0
233	570350.6	4178199	0.55, 41781	0.11881	0.08587	0.11329	92.41038	27.80697	96.15133	11.5513	4.55912	12.01892	4.2E-08	3.56E-05	4.45E-06	1.29E-11	3.91E-11	3.09E-11	0	0	0	0	1.049E-08	1.4838E-08	5.5652E-07	1.32445E-11	0	6.61075E-12	0
234	570390.6	4178199	0.55, 41781	0.13286	0.09703	0.12666	98.9418	30.67703	108.4605	12.36772	5.11284	13.55756	4.69E-08	4.02E-05	5.02E-06	1.45E-11	4.37E-11	3.45E-11	0	0	0	0	1.173E-08	1.6738E-08	6.27756E-07	1.48076E-11	0	7.39094E-12	0
235	570430.6	4178199	0.55, 41781	0.14935	0.11037	0.14231	98.24021	33.47488	112.67373	12.28003	5.57915	14.08422	5.27E-08	4.17E-05	5.22E-06	1.63E-11	4.91E-11	3.88E-11	0	0	0	0	1.318E-08	1.7388E-08	6.52135E-07	1.66372E-11	0	8.30418E-12	0
236	570470.6	4178199	0.55, 41781	0.1686	0.12646	0.16043	107.25905	35.76824	115.05444	13.40738	5.96137	14.38181	5.94E-08	4.26E-05	5.33E-06	1.83E-11	5.54E-11	4.37E-11	0	0	0	0	1.486E-08	1.7755E-08	6.65925E-07	1.87557E-11	0	9.36156E-12	0
237	570510.6	4178199	0.55, 41781	0.19081	0.14598	0.18108	111.923	37.71142	131.96286	13.99038	6.28524	16.49536	6.71E-08	4.89E-05	6.11E-06	2.07E-11	6.25E-11	4.94E-11	0	0	0	0	1.677E-08	2.0364E-08	7.63772E-07	2.11699E-11	0	1.05666E-11	0
238	570550.6	4178199	0.55, 41781	0.21602	0.16987	0.20494	119.57772	40.00549	129.21029	14.94721	6.67621	16.15129	7.59E-08	4.79E-05	5.98E-06	2.34E-11	7.07E-11	5.59E-11	0	0	0	0	1.898E-08	1.994E-08	7.47856E-07	2.39595E-11	0	1.1959E-11	0
239	570590.6	4178199	0.55, 41781	0.24388	0.19917	0.2325	124.08345	42.52786	147.10165	15.51043	7.78928	18.38771	8.61E-08	5.45E-05	6.81E-06	2.66E-11	8.02E-11	6.34E-11	0	0	0	0	2.153E-08	2.2701E-08	8.51391E-07	2.71818E-11	0	1.35673E-11	0
240	570630.6	4178199	0.55, 41781	0.27242	0.23473	0.26214	135.79301	45.13025	156.31523	16.97413	8.73982	19.5394	9.71E-08	5.79E-05	7.24E-06	3E-11	9.05E-11	7.15E-11	0	0	0	0	2.428E-08	2.4122E-08	9.04723E-07	3.06473E-11	0	1.5297E-11	0
241	570670.6	4178199	0.55, 41781	0.29828	0.27729	0.29064	136.89517	48.04336	174.48935	17.44831	9.65486	21.81117	1.08E-07	6.46E-05	8.08E-06	3.32E-11	1E-10	7.92E-11	0	0	0	0	2.692E-08	2.6927E-08	1.00989E-06	3.39798E-11	0	1.69604E-11	0
242	570710.6	4178199	0.55, 41781	0.321	0.32818	0.31291	151.98197	52.23375	185.24815	19.68934	11.4382	23.15602	1.16E-07	6.86E-05	8.58E-06	3.58E-11	1.08E-10	8.53E-11	0	0	0	0	2.898E-08	2.8587E-08	1.07218E-06	3.65843E-11	0	1.82604E-11	0
243	570750.6	4178199	0.55, 41781	0.34558	0.38955	0.32771	144.14265	57.26085	196.68908	22.53194	13.53855	24.58613	1.21E-07	7.28E-05	9.11E-06	3.75E-11	1.13E-10	8.93E-11	0	0	0	0	3.035E-08	3.0353E-08	1.13841E-06	3.8316E-11	0	1.91247E-11	0
244	570790.6	4178199	0.55, 41781	0.38143	0.46429	0.35275	173.32889	66.95506	241.81218	25.57778	15.36352	36.58263	1.31E-07	8.96E-05	1.36E-05	4.03E-11	1.22E-10	9.62E-11	0	0	0	0	3.267E-08	3.7316E-08	1.69379E-06	4.1245E-11	0	2.05867E-11	0
245	570830.6	4178199	0.55, 41781	0.44289	0.55991	0.39405	200.31972	78.9407	262.23048	28.47462	17.66262	37.4615	1.46E-07	9.71E-05	1.39E-05	4.5E-11	1.36E-10	1.07E-10	0	0	0	0	3.65E-08	4.0467E-08	1.73451E-06	4.60752E-11	0	2.29976E-11	0
246	570870.6	4178199	0.55, 41781	0.55133	0.6879	0.45528	245.75399	83.68372	263.19795	34.28137	20.83884	36.18743	1.69E-07	9.75E-05	1.34E-05	5.2E-11	1.57E-10	1.24E-10	0	0	0	0	4.217E-08	4.0617E-08	1.6756E-06	5.3236E-11	0	2.65718E-11	0
247	570910.6	4178199	0.55, 41781	0.74216	0.86472	0.57468	353.61381	98.21675	387.24795	44.20173	24.01316	48.40599	2.13E-07	0.000143	1.79E-05	6.57E-11	1.98E-10	1.57E-10	0	0	0	0	5.323E-08	5.9759E-08	2.24134E-06	6.71975E-11	0	3.35404E-11	0
248	570950.6	4178199	0.55, 41781	1.08517	1.1274	0.77671	376.11466	111.85514	479.74888	52.74149	29.33795	59.96861	2.88E-07	0.000178	2.22E-05	8.88E-11	2.68E-10	2.12E-10	0	0	0	0	7.194E-08	7.4033E-08	2.7767E-06	9.082E-11	0	4.53312E-11	0
249	570990.6	4178199	0.55, 41781	1.58976	1.56693	1.05873	410.19015	135.68135	559.12982	68.60008	44.06737	76.18548	3.92E-07	0.000207	2.82E-05	1.21E-10	3.65E-10	2.89E-10	0	0	0	0	9.806E-08	8.6283E-08	3.52761E-06	1.23798E-10	0	6.17913E-11	0
250	571030.6	4178199	0.55, 41781	2.42958	2.27373	1.377	561.74649	191.25505	728.04918	107.05418	55.40677	100.45619	5.1E-07	0.00027	3.72E-05	1.57E-10	4.75E-10	3.75E-10	0	0	0	0	1.275E-07	1.1235E-07	4.65162E-06	1.61021E-10	0	8.03707E-11	0
251	571070.6	4178199	0.55, 41781	3.58306	3.18041	1.39903	721.18769	259.71405	966.70756	139.44796	73.67892	146.94766	5.18E-07	0.000358	5.44E-05	1.6E-10	4.83E-10	3.82E-10	0	0	0	0	1.296E-07	1.4918E-07	6.80419E-06	1.63626E-10	0	8.16708E-11	0
252	571110.6	4178199	0.55, 41781	5.26167	3.22788	1.2956	536.30163	206.72583	1199.13306	116.57539	57.94295	153.9862	4.8E-07	0.000444	5.7E-05	1.48E-10	4.47E-10	3.53E-10	0	0	0	0	1.2E-07	1.8504E-07	7.12972E-06	1.51543E-10	0	7.56401E-11	0
253	571150.6	4178199	0.55, 41781	4.55265	2.7214	1.43074	406.82024	165.14744	1078.46551	75.27018	43.84452	138.95995	5.3E-07	0.000399	5.15E-05	1.64E-10	4.94E-10	3.9E-10	0	0	0	0	1.325E-07	1.6642E-07	6.43361E-06	1.67322E-10	0	8.35158E-11	0
254	571190.6	4178199	0.55, 41781	3.6655	2.27193	1.9191	348.88414	129.45816	921.59929	55.11772	35.12171	118.18584	7.11E-07	0.000341	4.38E-05	2.19E-10	6.62E-10	5.23E-10	0	0	0	0	1.777E-07	1.4221E-07	5.47169E-06	2.24387E-10	0	1.11999E-10	0

255	571230.6	4178199	0.55, 41781	2.99647	1.91661	2.63905	311.11499	100.77545	780.81724	44.29874	28.05958	97.60216	9.78E-07	0.000289	3.61E-05	3.02E-10	9.11E-10	7.19E-10	0	0	0	0	2.444E-07	1.2049E-07	4.51871E-06	3.08524E-10	0	1.53994E-10	0
256	571270.6	4178199	0.55, 41781	2.48655	1.63354	2.7833	275.28639	78.6156	563.64868	36.03295	23.70769	70.45609	1.03E-06	0.000209	2.61E-05	3.18E-10	9.61E-10	7.59E-10	0	0	0	0	2.577E-07	8.6978E-08	3.26197E-06	3.25375E-10	0	1.62405E-10	0
257	571310.6	4178199	0.55, 41781	2.04979	1.39182	2.36332	251.65063	69.80646	418.93362	31.45633	18.505	52.3667	8.75E-07	0.000155	1.94E-05	2.7E-10	8.16E-10	6.44E-10	0	0	0	0	2.188E-07	6.4647E-08	2.42453E-06	2.76278E-10	0	1.37899E-10	0
258	571350.6	4178199	0.55, 41781	1.66907	1.18291	1.84305	207.71058	67.17721	304.96385	28.41822	15.5683	43.42728	6.83E-07	0.000113	1.61E-05	2.11E-10	6.36E-10	5.02E-10	0	0	0	0	1.707E-07	4.7061E-08	2.01067E-06	2.1546E-10	0	1.07543E-10	0
259	571390.6	4178199	0.55, 41781	1.33874	0.99933	1.42084	175.53523	63.93291	243.3206	26.80029	13.20173	40.55343	5.26E-07	9.01E-05	1.5E-05	1.62E-10	4.9E-10	3.87E-10	0	0	0	0	1.316E-07	3.7549E-08	1.87762E-06	1.66105E-10	0	8.29082E-11	0
260	571430.6	4178199	0.55, 41781	1.08215	0.84466	1.12094	146.49279	60.30749	207.71024	24.41546	11.02968	34.61837	4.15E-07	7.69E-05	1.28E-05	1.28E-10	3.87E-10	3.06E-10	0	0	0	0	1.038E-07	3.2054E-08	1.60284E-06	1.31046E-10	0	6.54094E-11	0
261	571470.6	4178199	0.55, 41781	0.88511	0.71494	0.90372	129.54701	55.96987	172.11269	21.59117	9.33698	28.68545	3.35E-07	6.37E-05	1.06E-05	1.03E-10	3.12E-10	2.46E-10	0	0	0	0	8.369E-08	2.656E-08	1.32816E-06	1.05653E-10	0	5.27347E-11	0
262	571510.6	4178199	0.55, 41781	0.73336	0.60746	0.74181	112.64977	51.14316	142.69265	18.77496	8.40942	23.78211	2.75E-07	5.28E-05	8.81E-06	8.48E-11	2.56E-10	2.02E-10	0	0	0	0	6.869E-08	2.2021E-08	1.10115E-06	8.67247E-11	0	4.3287E-11	0
263	571550.6	4178199	0.55, 41781	0.6189	0.52125	0.62191	97.68282	46.08498	120.36205	16.28047	7.59304	20.06034	2.3E-07	4.46E-05	7.43E-06	7.11E-11	2.15E-10	1.7E-10	0	0	0	0	5.759E-08	1.8575E-08	9.28829E-07	7.27076E-11	0	3.62907E-11	0
264	571590.6	4178199	0.55, 41781	0.52714	0.45016	0.52751	84.87826	41.93857	102.67653	14.14638	6.8553	17.11275	1.95E-07	3.8E-05	6.34E-06	6.03E-11	1.82E-10	1.44E-10	0	0	0	0	4.885E-08	1.5845E-08	7.92353E-07	6.16715E-11	0	3.07822E-11	0
265	570310.6	4178239	0.55, 41782	0.10871	0.07725	0.10419	69.36135	22.19632	77.30253	9.49069	3.20395	10.55794	3.86E-08	2.86E-05	3.91E-06	1.19E-11	3.6E-11	2.84E-11	0	0	0	0	9.648E-09	1.1929E-08	4.88863E-07	1.21806E-11	0	6.07972E-12	0
266	570350.6	4178239	0.55, 41782	0.12097	0.08699	0.11543	80.24676	23.95533	77.73127	10.03084	3.79637	10.6184	4.28E-08	2.88E-05	3.93E-06	1.32E-11	3.98E-11	3.15E-11	0	0	0	0	1.069E-08	1.1996E-08	4.91668E-07	1.34947E-11	0	6.73562E-12	0
267	570390.6	4178239	0.55, 41782	0.13576	0.09875	0.129	97.68381	28.15369	96.07123	12.21048	4.56788	12.0089	4.78E-08	3.56E-05	4.45E-06	1.47E-11	4.45E-11	3.52E-11	0	0	0	0	1.195E-08	1.4826E-08	5.56064E-07	1.50812E-11	0	7.52749E-12	0
268	570430.6	4178239	0.55, 41782	0.15369	0.11303	0.14573	112.57412	32.01468	119.02369	14.07177	5.30028	14.87796	5.4E-08	4.41E-05	5.51E-06	1.67E-11	5.03E-11	3.97E-11	0	0	0	0	1.35E-08	1.8368E-08	6.88901E-07	1.70371E-11	0	8.50375E-12	0
269	570470.6	4178239	0.55, 41782	0.17542	0.1305	0.16624	120.86213	35.6675	135.90431	15.10777	5.94458	16.98804	6.16E-08	5.03E-05	6.29E-06	1.9E-11	5.74E-11	4.53E-11	0	0	0	0	1.539E-08	2.0973E-08	7.86593E-07	1.94349E-11	0	9.70059E-12	0
270	570510.6	4178239	0.55, 41782	0.20166	0.15208	0.19089	118.29832	38.86505	139.27939	14.78729	6.47751	17.40992	7.07E-08	5.16E-05	6.45E-06	2.18E-11	6.59E-11	5.2E-11	0	0	0	0	1.768E-08	2.1493E-08	8.06118E-07	2.23168E-11	0	1.1139E-11	0
271	570550.6	4178239	0.55, 41782	0.23297	0.17899	0.21994	134.82021	41.51275	155.81716	16.85253	6.91879	19.47714	8.15E-08	5.77E-05	7.21E-06	2.51E-11	7.59E-11	6E-11	0	0	0	0	2.037E-08	2.4045E-08	9.01839E-07	2.57131E-11	0	1.28342E-11	0
272	570590.6	4178239	0.55, 41782	0.26933	0.21289	0.25402	138.182	44.61865	161.93184	17.27275	7.89914	20.24148	9.41E-08	6E-05	7.5E-06	2.9E-11	8.77E-11	6.93E-11	0	0	0	0	2.352E-08	2.4989E-08	9.37227E-07	2.96976E-11	0	1.4823E-11	0
273	570630.6	4178239	0.55, 41782	0.31001	0.25571	0.29378	151.57706	47.88426	180.12829	18.94713	9.37801	22.51604	1.09E-07	6.67E-05	8.34E-06	3.36E-11	1.01E-10	8.01E-11	0	0	0	0	2.721E-08	2.7797E-08	1.04254E-06	3.43462E-11	0	1.71433E-11	0
274	570670.6	4178239	0.55, 41782	0.35129	0.30919	0.33746	163.01094	51.1286	193.67566	20.37637	10.66356	24.20946	1.25E-07	7.17E-05	8.97E-06	3.86E-11	1.16E-10	9.2E-11	0	0	0	0	3.125E-08	2.9888E-08	1.12095E-06	3.94533E-11	0	1.96924E-11	0
275	570710.6	4178239	0.55, 41782	0.3879	0.37553	0.37852	161.77129	55.27243	215.9147	21.46966	11.91574	26.98934	1.4E-07	8E-05	1E-05	4.33E-11	1.31E-10	1.03E-10	0	0	0	0	3.505E-08	3.3319E-08	1.24965E-06	4.42545E-11	0	2.20888E-11	0
276	570750.6	4178239	0.55, 41782	0.41955	0.45853	0.40652	185.09687	61.2613	243.75059	24.33831	15.0229	31.56234	1.51E-07	9.03E-05	1.17E-05	4.65E-11	1.4E-10	1.11E-10	0	0	0	0	3.765E-08	3.7615E-08	1.46138E-06	4.75297E-11	0	2.37236E-11	0
277	570790.6	4178239	0.55, 41782	0.45531	0.56517	0.42739	195.76674	71.16962	229.68596	30.0466	17.67317	35.54387	1.58E-07	8.51E-05	1.32E-05	4.89E-11	1.48E-10	1.17E-10	0	0	0	0	3.958E-08	3.5445E-08	1.64576E-06	4.99723E-11	0	2.49428E-11	0
278	570830.6	4178239	0.55, 41782	0.51729	0.70869	0.46924	186.14136	86.93814	313.42291	30.32646	20.0795	44.72862	1.74E-07	0.000116	1.66E-05	5.36E-11	1.62E-10	1.28E-10	0	0	0	0	4.346E-08	4.8367E-08	2.07094E-06	5.48682E-11	0	2.73864E-11	0
279	570870.6	4178239	0.55, 41782	0.63421	0.91745	0.53024	225.98347	96.3139	311.28977	37.66391	24.81387	41.34654	1.96E-07	0.000115	1.53E-05	6.06E-11	1.83E-10	1.45E-10	0	0	0	0	4.911E-08	4.8038E-08	1.91447E-06	6.20044E-11	0	3.09484E-11	0
280	570910.6	4178239	0.55, 41782	0.85302	1.23442	0.65693	293.13359	117.47886	326.7744	47.06613	30.6738	48.00957	2.43E-07	0.000121	1.78E-05	7.51E-11	2.27E-10	1.79E-10	0	0	0	0	6.085E-08	5.0429E-08	2.22303E-06	7.68221E-11	0	3.83444E-11	0
281	570950.6	4178239	0.55, 41782	1.35023	1.79208	0.88884	455.80102	142.22416	478.03953	68.40553	39.86266	68.50221	3.29E-07	0.000177	2.54E-05	1.02E-10	3.07E-10	2.42E-10	0	0	0	0	8.234E-08	7.3771E-08	3.17193E-06	1.03946E-10	0	5.18828E-11	0
282	570990.6	4178239	0.55, 41782	3.0182	3.06414	1.32054	885.93977	193.04223	771.54657	147.1874	58.20401	96.44332	4.89E-07	0.000286	3.57E-05	1.51E-10	4.56E-10	3.6E-10	0	0	0	0	1.223E-07	1.1906E-07	4.46637E-06	1.54446E-10	0	7.70891E-11	0
283	571030.6	4178239	0.55, 41782	7.70332	4.46365	2.30139	679.65913	243.63294	1123.21669	144.28562	71.78775	156.8655	8.53E-07	0.000416	5.81E-05	2.63E-10	7.95E-10	6.28E-10	0	0	0	0	2.132E-07	1.7333E-07	7.26336E-06	2.69146E-10	0	1.3434E-10	0
284	571110.6	4178239	0.55, 41782	48.37684	13.76668	3.52906	1082.14109	288.2044	2417.61379	441.33003	115.9324	328.07057	1.31E-06	0.000895	0.000122	4.04E-10	1.22E-09	9.63E-10	0	0	0	0	3.272E-07	3.7306E-07	1.51925E-05	4.1304E-10	0	2.06161E-10	0
285	571150.6	4178239	0.55, 41782	14.38318	6.22649	4.84511	550.93904	192.81003	1871.63269	147.46183	59.89562	339.77194	1.8E-06	0.000693	0.000126	5.54E-10	1.67E-09	1.32E-09	0	0	0	0	4.488E-07	2.8881E-07	1.57304E-05	5.66536E-10	0	2.82776E-10	0
286	571190.6	4178239	0.55, 41782	8.08563	4.10425	7.76231	423.01159	138.20819	1326.9025	88.76631	43.45879	203.98194	2.88E-06	0.000491	7.55E-05	8.87E-10	2.68E-09	2.12E-09	0	0	0	0	7.188E-07	2.0475E-07	9.44374E-06	9.07424E-10	0	4.52924E-10	0
287	571230.6	4178239	0.55, 41782	5.48613	3.01374	6.36519	364.79857	99.98669	820.37732	64.1708	32.88659	114.5851	2.36E-06	0.000304	4.24E-05	7.27E-10	2.2E-09	1.74E-09	0	0	0	0	5.894E-07	1.2659E-07	5.30512E-06	7.44085E-10	0	3.71397E-10	0
288	571270.6	4178239	0.55, 41782	3.91656	2.30583	4.21608	308.69657	91.16262	501.73471	42.97299	25.31404	83.35946	1.56E-06	0.000186	3.09E-05	4.82E-10	1.45E-09	1.15E-09	0	0	0	0	3.904E-07	7.7425E-08	3.85938E-06	4.92866E-10	0	2.46005E-10	0
289	571310.6	4178239	0.55, 41782	2.81911	1.80691	2.86031	238.76095	82.99282	368.88984	36.57222	19.65898	61.48164	1.06E-06	0.000137	2.28E-05	3.27E-10	9.87E-10	7.8E-10	0	0	0	0	2.649E-07	5.6926E-08	2.84654E-06	3.34382E-10	0	1.66901E-10	0
290	571350.6	4178239	0.55, 41782	2.07392	1.43877	2.07081	186.98174	75.01218	257.12826	31.16362	15.62493	42.85471	7.67E-07	9.52E-05	1.59E-05	2.37E-10	7.15E-10	5.65E-10	0	0	0	0	1.918E-07	3.968E-08	1.9842E-06	2.4209E-10	0	1.20835E-10	0
291	571390.6	4178239	0.55, 41782	1.57003	1.1589	1.56847	153.36435	67.14235	200.39228	25.56072	13.28221	31.13336	5.81E-07	7.42E-05	1.15E-05	1.79E-10	5.41E-10	4.28E-10	0	0	0	0	1.452E-07	3.0925E-08	1.44153E-06	1.83366E-10	0	9.15236E-11	0
292	571430.6	4178239	0.55, 41782	1.23548	0.94866	1.2378	124.99719	59.46648	164.5542	20.83286	11.6734	24.18073	4.58E-07	6.09E-05	8.96E-06	1.41E-10	4.27E-10	3.37E-10	0	0	0	0	1.146E-07	2.5394E-08	1.11963E-06	1.44709E-10	0	7.22288E-11	0
293	571470.6	4178239	0.55, 41782	0.99131	0.7845	0.9961	109.3041	54.21436	142.14876	17.2339	10.26711	19.9293	3.69E-07	5.26E-05	7.38E-06	1.14E-10	3.44E-10	2.72E-10	0	0	0	0	9.224E-08	2.1937E-08	9.22775E-07	1.16453E-10	0	5.81253E-11	0
294	571510.6	4178239	0.55, 41782	0.81688	0.65976	0.82266	100.30585	50.40167	129.05875	14.55844	9.03737	16.96469	3.05E-07	4.78E-05	6.28E-06	9.4E-11	2.84E-10	2.24E-10	0	0	0	0	7.618E-08	1.9917E-08	7.85505E-07	9.61764E-11	0	4.80047E-11	0
295	571550.6	4178239	0.55, 41782	0.68618	0.56281	0.69258	92.19218	46.80105	116.817	12.52836	7.96128	14.60636	2.57E-07	4.33E-05	5.41E-06	7.92E-11	2.39E-10	1.89E-10	0	0	0	0	6.414E-08	1.8028E-08	6.76309E-07	8.09691E-11	0	4.04143E-11	0
296	571590.6	4178239	0.55, 41782	0.57854	0.48285	0.58537	84.94405	43.3686	105.85184	10.89629	7.01254	13.23148	2.17E-07	3.92E-05	4.9E-06	6.69E-11	2.02E-10	1.6E-10	0	0	0	0	5.421E-08	1.6335E-08	6.12643E-07	6.84354E-11	0	3.41583E-11	0
297	570310.6	4178279	0.55, 41782	0.11004	0.07807	0.10589	74.04292	22.79319	77.67346	10.17864	3.64675	10.70288	3.92E-08	2.88E-05	3.96E-06	1.21E-11	3.65E-11	2.89E-11	0	0	0	0	9.806E-09	1.1987E-08	4.95581E-07	1.23793E-11	0	6.17891E-12	0
298	570350.6	4178279	0.55, 41782	0.12249	0.08802	0.11726	80.9847	23.74961	88.18196	11.08549	3.81596	12.05595	4.34E-08	3.27E-05	4.47E-06	1.34E-11	4.05E-11	3.2E-11	0	0	0	0	1.086E-08	1.3608E-08	5.58228E-07	1.37086E-11	0	6.8424E-12	0
299	570390.6	4178279	0.55, 41782	0.13757	0.10016	0.13084	86.03589	24.80698	96.47388	11.74551	4.00404	13.13274	4.85E-08	3.57E-05	4.86E-06	1.5E-11	4.52E-11	3.57E-11	0	0	0	0	1.212E-08	1.4888E-08	6.08083E-07	1.52963E-11	0	7.63486E-12	0
300	570430.6	4178279	0.55, 41782	0.15607	0.11514	0.14747	96.31741	27.84204	100.58043	12.03968	4.46456	13.6645	5.46E-08	3.73E-05	5.06E-06	1.69E-11	5.09E-11	4.02E-11	0	0	0	0	1.366E-08	1.5522E-08	6.32702E-07	1.72405E-11	0	8.60529E-12	0
301	570470.6	4178279	0.55, 41782	0.17907	0.13378	0.16835	120.52086	33.01708	119.41006	15.06511	5.41696	14.92626	6.24E-08	4.42E-05	5.53E-06	1.92E-11	5.81E-11	4.59E-11	0	0	0	0	1.559E-08	1.8427E-08	6.91149E-07	1.96816E-11	0	9.82374E-12	0
302	570510.6	4178279	0.55, 41782	0.20795	0.15724	0.19497	141.57577	37.85068	153.41811	17.69697	6.30845	19.17726	7.22E-08	5.68E-05	7.1E-06	2.23E-11	6.73E-11	5.32E-11	0	0	0	0	1.806E-08	2.3675E-08	8.87968E-07	2.27938E-11	0	1.13771E-11	0
303	570550.6	4178279	0.55, 41782	0.24435	0.18714	0.22876	153.17347	42.50173	177.88461	19.14668	7.08362	22.23558	8.47E-08	6.59E-05	8.24E-06	2.61E-11	7.9E-11	6.24E-11	0	0	0	0	2.118E-08	2.7451E-08	1.02956E-06	2.67443E-11	0	1.33489E-11	0
304	570590.6	4178279	0.55, 41782	0.28993	0.22577	0.27077	157.86485	46.41285	177.78268	19.73311	7.73548	22.22284	1E-07	6.58E-05	8.23E-06	3.1E-11	9.35E-11	7.38E-11	0	0	0	0	2.507E-08	2.7435E-08	1.02898E-06	3.16558E-11	0	1.58004E-11	0
305	570630.6	4178279	0.55, 41782	0.34541	0.27631	0.32199	169.89337	50.77009	212.69617	21.23667	9.57894	26.58702	1.19E-07	7.88E-05	9.85E-06	3.68E-11	1.11E-10	8.78E-11	0	0	0	0	2.982E-08	3.2823E-08	1.23102E-06	3.76442E-11	0	1.87894E-11	0
306	570670.6	4178279	0.55, 41782	0.40869	0.34273	0.38328	189.16159	55.36754	226.13934	23.6452	11.64813	28.26742	1.42E-07	8.38E-05	1.05E-05	4.38E-11	1.32E-10	1.04E-10	0	0	0	0	3.549E-08	3.4897E-08	1.30884E-06	4.481E-11	0	2.23661E-11	0
307	570710.6	4178279	0.55, 41782	0.47241	0.42944	0.45188	202.37611	59.97812	249.97635	25.29701	13.4468	31.24704	1.67E-07	9.26E-05	1.16E-05	5.17E-11	1.56E-10	1.23E-10	0	0	0	0	4.185E-08	3.8576E-08	1.44679E-06	5.28309E-11	0	2.63696E-11	0
308	570750.6	4178279	0.55, 41782	0.52143	0.53099	0.51003	207.36077	66.44988	280.46815	28.38204	16.35494	35.05852	1.89E-07	0.000104	1.3E-05	5.83E-11	1.76E-10	1.39E-10	0	0	0	0	4.723E-08	4.3281E-08	1.62327E-06	5.96307E-11	0	2.97636E-11	0
309	570790.6	4178279	0.55, 41782	0.56782	0.69623	0.54766	217.33897	75.80804	318.83899	33.24185	20.36018	42.96761	2.03E-07	0.000118	1.59E-05	6.26E-11	1.89E-10	1.49E-10	0	0	0	0	5.072E-08	4.9202E-08	1.98945E-06	6.40339E-11	0	3.19614E-11	0
310	570830.6	4178279	0.55, 41782	0.62461	0.91706	0.58168	236.67869	94.57659	403.572	34.09074	24.90976	60.93237	2.16E-07	0.000149	2.26E-05	6.65E-11	2.01E-10	1.59E-10	0	0	0	0	5.388E-08	6.2278E-08	2.82108E-06	6.80168E-11	0	3.39494E-11	0
311	570870.6	4178279	0.55, 41782	0.74364	1.27032	0.64347	232.57719	121.10786	430.4482	38.76287	29.17824	53.80602	2.38E-07	0.000159	1.99E-05	7.36E-11	2.22E-10	1.75E-10	0	0	0	0	5.961E-08	6.6426E-08	2.49125E-06	7.52496E-11	0	3.75595E-11	0
312	570910.6	4178279	0.55, 41782	0.98087	1.94043	0.78377	289.58181	139.00222	423.1545	48.26363	45.30681	59.61258	2.9E-07	0.000157	2.21E-05	8.96E-11	2.71E-10	2.14E-10	0	0	0	0	7.261E-08	6.5301E-08	2.76017E-06	9.16683E-11	0	4.57546E-11	0
313	570950.6	4178279	0.55, 41782	1.54705	3.33468	1.05206	380.89662	209.14004	464.4183	63.48277	60.99964	77.40305	3.9E-07	0.000172	2.87E-05	1.2E-10	3.63E-10	2.87E-10	0	0	0	0	9.748E-08	7.1672E-08	3.5839E-06	1.23069E-10	0	6.14276E-11	0
314	571150.6	4178279	0.55, 41782	125.5821	15.27099	61.53709	2183.625	235.47088	4321.7852	1020.3296	115.3363	966.08792	2.28E-05	0.001601	0.000358	7.03E-09	2.12E-08	1.68E-08	0	0	0	0	5.698E-06	6.6689E-07	4.47346E-05	7.19347E-09	0	3.59049E-09	0
315	571190.6	4178279	0.55, 41782	19.14498	7.50998	20.68123	704.1647	157.76938	1300.13062	186.41477	61.8786	262.75525	7.66E-06	0.000482	9.73E-05	2.36E-09	7.14E-09	5.64E-09	0	0	0	0	1.915E-06	2.0063E-07	1.21657E-05	2.41756E-09	0	1.20668E-09	0
316	571230.6	4178279	0.55, 41782	9.41744	4.44398	9.68706	418.2482	120.63814	710.71948	87.01567	39.51148	138.35634	3.59E-06	0.000263	5.12E-05	1.11E-09	3.34E-09	2.64E-09	0	0	0	0	8.97E-07	1.0967E-07	6.40582E-06	1.13241E-09	0	5.65221E-10	0
317	571270.6	4178279	0.55, 41782	5.33507	3.02277	5.65407	265.61255	99.06709	486.13138	58.88721	29.56115	89.94232	2.09E-06	0.00018	3.33E-05	6.46E-10	1.95E-09	1.54E-09	0	0	0	0	5.236E-07	7.5017E-08	4.16431E-06	6.60967E-10	0	3.2991E-10	0
318	571310.6	4178279	0.55, 41782	3.44949	2.20529	3.73581	197.38222	83.78037	349.19747	42.40574	23.44903	62.97539	1.38E-06	0.000129	2.33E-05	4.27E-10	1.29E-09	1.02E-09	0	0	0	0	3.459E-07	5.3887E-08	2.91576E-06	4.36726E-10	0	2.17984E-10	0
319	571350.6	4178279	0.55, 41782	2.42474	1.67304	2.63741	164.77993	74.08708	262.11907	31.82391	19.20475	45.98547	9.77E-07	9.71E-05	1.7E-05	3.01E-10	9.1E-10	7.19E-10	0	0	0	0	2.442E-07	4.045E-08	2.12914E-06	3.08324E-10	0	1.53894E-10	0
320	571390.6	4178279	0.55, 41782	1.80332	1.30805	1.94946	139.62437	66.18564	204.22507	24.75802	16.07748	34.84377	7.22E-07	7.56E-05	1.29E-05	2.23E-10	6.73E-10	5.31E-10	0	0	0	0	1.805E-07	3.1516E-08	1.61328E-06	2.27902E-10	0	1.13753E-10	0
321	571430.6	4178279	0.55, 41782	1.38872	1.04688	1.49158	120.07885	59.47148	164.54693	19.78612	13.66223	27.17412	5.52E-07	6.09E-05	1.01E-05	1.7E-10	5.15E-10	4.07E-10	0	0	0	0	1.381E-07	2.5393E-08	1.25818E-06	1.74375E-10	0	8.70359E-11	0
322	571470.6	4178279	0.55, 41782	1.11171	0.86066	1.18684	104.95004	53.66694	136.91558	16.34545	11.81303	21.87493	4.4E-07	5.07E-05	8.1E-06	1.36E-10	4.1E-10	3.24E-10	0	0	0	0	1.099E-07	2.1129E-08	1.01283E-06	1.38749E-10	0	6.92543E-11	0
323	571510.6	4178279	0.55, 41782	0.90331	0.71725	0.95952	92.95227	48.50847	116.77816	13.70064	10.27697	17.93941	3.55E-07	4.33E-05	6.64E-06	1.1E-10	3.31E-10	2.62E-10	0	0	0	0	8.885E-08	1.8022E-08	8.30615E-07	1.12175E-10	0	5.59901E-11	0
324	571550.6	4178279	0.55, 41782	0.74685	0.60641	0.79002	83.35854	43.88956	102.16829	11.6678	9.00306	14.97338	2.93E-07	3.78E-05	5.55E-06	9.03E-11	2.73E-10	2.15E-10	0	0	0	0	7.316E-08	1.5767E-08	6.93287E-07	9.23596E-11	0	4.60996E-11	0
325	571590.6	4178279	0.55, 41782	0.63093	0.52161	0.66513	75.57295	41.1264	91.05382	10.11638	7.96472	12.7323	2.46E-07	3.37E-05	4.72E-06	7.6E-11	2.3E-10	1.81E-10	0	0	0	0	6.159E-08	1.4052E-08	5.89525E-07	7.77593E-11	0	3.88121E-11	0
326	570310.6	4178319	0.55, 41783	0.1112	0.07908	0.10686	65.67409	25.12162	71.57917	10.72274	3.92383	11.92986	3.96E-08	2.65E-05	4.42E-06	1.22E-11	3.69E-11	2.91E-11	0	0	0	0	9.895E-09	1.1046E-08	5.52387E-07	1.24927E-11	0	6.23552E-12	0
327	570350.6	4178319	0.55, 41783	0.12381	0.08915	0.11863	72.99363	26.3644	78.028	10.96785	4.13077	12.26515	4.39E-08	2.89E-05	4.54E-06	1.36E-11	4.09E-11	3.23E-11	0	0	0	0	1.099E-08	1.2041E-08	5.67911E-07	1.38688E-11	0	6.92234E-12	0
328	570390.6	4178319	0.55, 41783	0.13907	0.1015	0.13256	85.61577	27.73961	87.79758	11.84211	4.3586	12.34233	4.91E-08	3.25E-05	4.57E-06	1.52E-11	4.57E-11	3.61E-11	0	0	0	0	1.228E-08	1.3549E-08	5.71495E-07	1.54973E-11	0	7.73522E-12	0
329	570430.6	4178319	0.55, 41783	0.15783	0.11689	0.14946	97.99246	29.27563	105.83642	13.47747	4.61214	14.5399	5.54E-08	3.92E-05	5.39E-06	1.71E-11	5.16E-11	4.07E-11	0	0	0	0	1.384E-08	1.6333E-08	6.73244E-07	1.74732E-11	0	8.72142E-12	0
330	570470.6	4178319	0.55, 41783	0.18134	0.13633	0.17027	108.90086	31.01454	122.78	14.92794	4.89871	16.74752	6.31E-08	4.55E-05	6.2E-06	1.95E-11	5.88E-11	4.64E-11	0	0	0	0	1.577E-08	1.8947E-08	7.75456E-07	1.99061E-11	0	9.93579E-12	0
331	570510.6	4178319	0.55, 41783	0.21129	0.16124	0.19656	118.40452	33.29424	135.32696	15.9306	5.40834	18.39398	7.28E-08	5.01E-05	6.81E-06	2.25E-11	6.78E-11	5.36E-11	0	0	0	0	1.82E-08	2.0883E-08	8.51686E-07	2.29798E-11	0	1.147E-11	0
332	570550.6	4178319	0.55, 41783	0.2503	0.19368	0.23096	153.9338	39.94632	153.89508	19.24172	6.62991	19.23689	8.56E-08	5.7E-05	7.13E-06	2.64E-11	7.97E-11	6.3E-11	0	0	0	0	2.139E-08	2.3749E-08	8.90748E-07	2.70016E-11	0	1.34774E-11	0
333	570590.6	4178319	0.55, 41783	0.30196	0.23671	0.27701	186.54438	46.61587	209.37606	23.31805	7.76931	26.17201	1.03E-07	7.75E-05	9.69E-06	3.17E-11	9.56E-11	7.55E-11	0	0	0	0	2.565E-08	3.231E-08	1.21184E-06	3.23855E-11	0	1.61646E-11	0
334	570630.6	4178319	0.55, 41783	0.37105	0.29503	0.3391	205.0145	52.79857	247.59232	25.62681	8.79976	30.94904	1.26E-07	9.17E-05	1.15E-05	3.88E-11	1.17E-10	9.24E-11	0	0	0	0	3.14E-08	3.8208E-08	1.433E-06	3.96446E-11	0	1.97879E-11	0
335	570670.6	4178319	0.55, 41783	0.462	0.37572	0.42024	218.45656	59.57781	273.51496	27.30707	11.98561	34.18937	1.56E-07	0.000101	1.27E-05	4.8E-11	1.45E-10	1.15E-10	0	0	0	0	3.892E-08	4.2208E-08	1.58302E-06	4.91311E-11	0	2.45229E-11	0
336	570710.6	4178319	0.55, 41783	0.57218	0.48827	0.5224	242.44958	66.62286	291.17197	30.3062	15.15553	36.3965	1.94E-07	0.000108	1.35E-05	5.97E-11	1.8E-10	1.42E-10	0	0	0	0	4.838E-08	4.4933E-08	1.68523E-06	6.10755E-11	0	3.04847E-11	0
337	570750.6	4178319	0.55, 41783	0.67767	0.63416	0.63666	262.41203	72.71034	341.04886	32.8015	17.84948	42.63111	2.36E-07	0.000126	1.58E-05	7.28E-11	2.2E-10	1.74E-10	0	0	0	0	5.896E-08	5.2629E-08	1.97387E-06	7.4435E-11	0	3.71529E-11	0
338	570790.6	4178319	0.55, 41783	0.76041	0.85502	0.73352	285.66779	86.45349	381.79277	42.9347	23.67926	50.68659	2.72E-07	0.000141	1.88E-05	8.39E-11	2.53E-10	2E-10	0	0	0	0	6.793E-08	5.8917E-08	2.3469E-06	8.57629E-11	0	4.2807E-11	0
339	570830.6	4178319	0.55, 41783	0.82107	1.23378	0.77266	302.59427	109.05103	424.78874	45.07728	29.79255	65.49858	2.86E-07	0.000157	2.43E-05	8.83E-11	2.67E-10	2.11E-10	0	0	0	0	7.157E-08	6.5552E-08	3.0326E-06	9.03488E-11	0	4.5096E-11	0
340	570870.6	4178319	0.55, 41783	0.93174	1.8881	0.81484	263.71888	150.69846	583.61	37.23183	42.82711	79.94464	3.02E-07	0.000216	2.96E-05	9.32E-11	2.81E-10	2.22E-10	0	0	0	0	7.549E-08	9.0061E-08	3.70123E-06	9.52982E-11	0	4.75664E-11	0
341	570910.6	4178319	0.55, 41783	1.19482	3.5981	0.94641	225.26352	195.84246	582.08496	37.31993	59.22953	72.76062	3.51E-07	0.000216	2.69E-05	1.08E-10	3.27E-10	2.58E-10	0	0	0	0	8.771E-08	8.9827E-08	3.36867E-06	1.10727E-10	0	5.52672E-11	0
342	571190.6	4178319	0.55, 41783	29.13102	9.74239	24.19825	1204.46355	192.40018	1781.17361	337.10397	86.14095	400.692	8.96E-06	0.00066	0.000148	2.77E-09	8.35E-09	6.6E-09	0	0	0	0	2.241E-06	2.7486E-07	1.85529E-05	2.82873E-09	0	1.41191E-09	0
343	571230.6	4178319	0.55, 41783	10.45163	5.25398	11.58574	479.33008	117.37647	725.29291	126.19986	44.06446	185.38424	4.29E-06	0.000269	6.87E-05	1.32E-09	4E-09	3.16E-09	0	0	0	0	1.073E-06	1.1192E-07	8.58331E-06	1.35436E-09	0	6.76003E-10	0
344	571270.6	4178319	0.55, 41783	5.72808	3.4301	6.64009	292.22118	96.9874	479.91721	63.79547	33.00222	105.59121	2.46E-06	0.000178	3.91E-05	7.59E-10	2.29E-09	1.81E-09	0	0	0	0	6.149E-07	7.4058E-08	4.88878E-06	7.76229E-10	0	3.87441E-10	0
345	571310.6	4178319	0.55, 41783	3.67711	2.43151	4.23514	175.48484	83.52768	339.71763	43.52526	25.92364	69.01312	1.57E-06	0.000126	2.56E-05	4.84E-10	1.46E-09	1.15E-09	0	0	0	0	3.922E-07	5.2424E-08	3.19527E-06	4.95097E-10	0	2.47119E-10	0
346	571350.6	4178319	0.55, 41783	2.57847	1.81872	2.91777	135.74456	73.58424	245.66728	31.86463	21.08438	47.561	1.08E-06	9.1E-05	1.76E-05	3.33E-10	1.01E-09	7.95E-10	0	0	0	0	2.702E-07	3.7911E-08	2.20207E-06	3.41098E-10	0	1.70253E-10	0
347	571390.6	4178319	0.55, 41783	1.91038	1.41202	2.12389	114.67965	65.84745	189.40245	24.95277	17.54375	35.6451	7.87E-07	7.01E-05	1.32E-05	2.43E-10	7.33E-10	5.79E-10	0	0	0	0	1.967E-07	2.9229E-08	1.65038E-06	2.48293E-10	0	1.23931E-10	0
348	571430.6	4178319	0.55, 41783	1.47151	1.12853	1.61377	100.57811	59.61061	161.57422	20.18585	14.84739	27.57311	5.98E-07	5.98E-05	1.02E-05	1.84E-10	5.57E-10	4.4E-10	0	0	0	0	1.494E-07	2.4934E-08	1.27666E-06	1.88659E-10	0	9.41658E-11	0
349	571470.6	4178319	0.55, 41783	1.16585	0.92218	1.2649	90.09229	54.43044	139.38169	16.69193	12.71837	21.87498	4.69E-07	5.16E-05	8.1E-06	1.45E-10	4.37E-10	3.45E-10	0	0	0	0	1.171E-07	2.151E-08	1.01284E-06	1.47875E-10	0	7.38093E-11	0
350	571510.6	4178319	0.55, 41783	0.94595	0.76805	1.01773	81.52103	50.05282	121.69	14.06823	11.00608	17.76049	3.77E-07	4.51E-05	6.58E-06	1.16E-10	3.51E-10	2.77E-10	0	0	0	0	9.424E-08	1.878E-08	8.22337E-07	1.1898E-10	0	5.93868E-11	0
351	571550.6	4178319	0.55, 41783	0.78212	0.64956	0.83556	74.38547	46.28731	107.35752	12.02264	9.59923	14.66288	3.1E-07	3.98E-05	5.43E-06	9.55E-11	2.88E-10	2.28E-10	0	0	0	0	7.738E-08	1.6568E-08	6.78919E-07	9.76838E-11	0	4.87571E-11	0
352	571590.6	4178319	0.55, 41783	0.65442	0.55508	0.69496	68.29245	42.98116	95.34122	10.3334	8.40789	12.26582	2.57E-07	3.53E-05	4.54E-06	7.94E-11	2.4E-10	1.89E-10	0	0	0	0	6.436E-08	1.4714E-08	5.67934E-07	8.12469E-11	0	4.05529E-11	0
353	570310.6	4178359	0.55, 41783	0.11229	0.07993	0.10794	69.29068	26.58817	75.81746	11.54845	4.0095	12.46153	4E-08	2.81E-05	4.62E-06	1.23E-11	3.73E-11	2.94E-11	0	0	0	0	9.996E-09	1.17E-08	5.77009E-07	1.2619E-11	0	6.29854E-12	0
354	570350.6	4178359	0.55, 41783	0.12531	0.09043	0.1201	75.30937	28.06345	82.61098	12.55156	4.25756	13.7685	4.45E-08	3.06E-05	5.1E-06	1.37E-11	4.14E-11	3.27E-11	0	0	0	0	1.112E-08	1.2749E-08	6.37523E-07	1.40406E-11	0	7.00813E-12	0
355	570390.6	4178359	0.55, 41783	0.14084	0.10296	0.13441	81.29058	29.71471	90.82388	13.54843	4.53386	15.13731	4.98E-08	3.36E-05	5.61E-06	1.54E-11	4.64E-11	3.66E-11	0	0	0	0	1.245E-08	1.4016E-08	7.009E-07	1.57136E-11	0	7.84317E-12	0
356	570430.6	4178359	0.55, 41783	0.15989	0.11858	0.15186	87.11605	31.54887	98.44842	14.51934	4.83992	16.40807	5.63E-08	3.65E-05	6.08E-06	1.74E-11	5.24E-11	4.14E-11	0	0	0	0	1.406E-08	1.5193E-08	7.59738E-07	1.77537E-11	0	8.86146E-12	0
357	570470.6	4178359	0.55, 41783	0.18374	0.13844	0.17326	97.3598	33.59814	106.34308	15.36354	5.1813	17.51553	6.42E-08	3.94E-05	6.49E-06	1.98E-11	5.98E-11	4.72E-11	0	0	0	0	1.604E-08	1.6411E-08	8.11014E-07	2.02557E-11	0	1.01103E-11	0
358	570510.6	4178359	0.55, 41783	0.21432	0.16421	0.20002	118.04415	35.93263	125.3205	16.48105	5.5698	18.1537	7.41E-08	4.64E-05	6.72E-06	2.29E-11	6.9E-11	5.45E-11	0	0	0	0	1.852E-08	1.9339E-08	8.4057E-07	2.33843E-11	0	1.16719E-11	0
359	570550.6	4178359	0.55, 41783	0.25472	0.19842	0.23435	139.50155	38.63371	157.96544	19.4148	6.01971	21.81117	8.68E-08	5.85E-05	8.08E-06	2.68E-11	8.09E-11	6.39E-11	0	0	0	0	2.17E-08	2.4377E-08	1.00992E-06	2.7398E-11	0	1.36752E-11	0
360	570590.6	4178359	0.55, 41783	0.30979	0.24497	0.28017	159.83108	41.83842	190.36526	22.23989	6.84975	26.13545	1.04E-07	7.05E-05	9.68E-06	3.2E-11	9.67E-11	7.64E-11	0	0	0	0	2.595E-08	2.9377E-08	1.21013E-06	3.27551E-11	0	1.63491E-11	0
361	570630.6	4178359	0.55, 41783	0.38734	0.31015	0.34391	206.43147	51.05257	211.21178	25.80393	8.50876	28.98998	1.27E-07	7.82E-05	1.07E-05	3.93E-11	1.19E-10	9.38E-11	0	0	0	0	3.185E-08	3.2594E-08	1.34232E-06	4.02073E-11	0	2.00688E-11	0
362	570670.6	4178359	0.55, 41783	0.50063	0.40488	0.43681	262.98595	60.70684	312.78941	32.87324	10.74505	39.09868	1.62E-07	0.000116	1.45E-05	4.99E-11	1.51E-10	1.19E-10	0	0	0	0	4.045E-08	4.8268E-08	1.81035E-06	5.10688E-11	0	2.54901E-11	0
363	570710.6	4178359	0.55, 41783	0.66972	0.54814	0.57453	304.17814	72.14807	380.66102	38.02227	15.71205	47.58263	2.13E-07	0.000141	1.76E-05	6.57E-11	1.98E-10	1.57E-10	0	0	0	0	5.321E-08	5.8742E-08	2.20315E-06	6.71706E-11	0	3.3527E-11	0
364	570750.6	4178359	0.55, 41783	0.90523	0.76876	0.77041	339.35657	85.82023	445.46467	44.72327	21.31802	55.68308	2.85E-07	0.000165	2.06E-05	8.81E-11	2.66E-10	2.1E-10	0	0	0	0	7.135E-08	6.8742E-08	2.57822E-06	9.00727E-11	0	4.49582E-11	0
365	570790.6	4178359	0.55, 41783	1.13154	1.06104	0.98839	377.53193	96.31599	507.3356	54.94081	27.90141	63.41695	3.66E-07	0.000188	2.35E-05	1.13E-10	3.41E-10	2.69E-10	0	0	0	0	9.154E-08	7.829E-08	2.93636E-06	1.1556E-10	0	5.76797E-11	0
366	570830.6	4178359	0.55, 41783	1.33226	1.74963	1.18947	411.58415	139.14147	649.42864	69.46909	37.35577	97.59965	4.41E-07	0.000241	3.62E-05	1.36E-10	4.11E-10	3.24E-10	0	0	0	0	1.102E-07	1.0022E-07	4.51891E-06	1.39083E-10	0	6.94209E-11	0
367	570870.6	4178359	0.55, 41783	1.45984	3.38436	1.19217	346.78431	184.49712	847.26971	52.43952	61.49528	124.03925	4.42E-07	0.000314	4.59E-05	1.36E-10	4.12E-10	3.25E-10	0	0	0	0	1.105E-07	1.3075E-07	5.74262E-06	1.39446E-10	0	6.96021E-11	0
368	571150.6	4178359	0.55, 41783	17.36196	17.82412	10.70274	1537.79423	258.8776	2153.28101	350.34789	128.93656	372.67701	3.97E-06	0.000797	0.000138	1.22E-09	3.69E-09	2.92E-09	0	0	0	0	9.913E-07	3.3228E-07	1.72562E-05	1.25154E-09	0	6.24681E-10	0
369	571190.6	4178359	0.55, 41783	10.35157	8.16971	8.42586	590.93034	162.31709	1380.32388	161.82999	76.08872	218.22557	3.12E-06	0.000511	8.08E-05	9.63E-10	2.91E-09	2.3E-09	0	0	0	0	7.803E-07	2.13E-07	1.0104E-05	9.85106E-10	0	4.91698E-10	0
370	571230.6	4178359	0.55, 41783	6.41954	4.85697	6.11014	429.96716	118.18476	649.38165	103.83364	47.29307	136.54892	2.26E-06	0.000241	5.06E-05	6.98E-10	2.11E-09	1.67E-09	0	0	0	0	5.658E-07	1.0021E-07	6.32236E-06	7.14331E-10	0	3.56545E-10	0
371	571270.6	4178359	0.55, 41783	4.24607	3.28764	4.46672	330.34534	97.41521	669.03521	71.25122	30.79427	101.30501	1.65E-06	0.000248	3.75E-05	5.11E-10	1.54E-09	1.22E-09	0	0	0	0	4.136E-07	1.0324E-07	4.69046E-06	5.22191E-10	0	2.60642E-10	0
372	571310.6	4178359	0.55, 41783	3.01802	2.39332	3.29044	280.32399	84.30249	476.5001	47.38187	23.6076	69.83839	1.22E-06	0.000176	2.59E-05	3.76E-10	1.14E-09	8.97E-10	0	0	0	0	3.047E-07	7.3531E-08	3.23352E-06	3.84674E-10	0	1.92003E-10	0
373	571350.6	4178359	0.55, 41783	2.25439	1.82521	2.47896	223.1696	75.03337	276.07803	32.74083	19.24184	47.29925	9.18E-07	0.000102	1.75E-05	2.83E-10	8.56E-10	6.76E-10	0	0	0	0	2.296E-07	4.2604E-08	2.18997E-06	2.89807E-10	0	1.44652E-10	0
374	571390.6	4178359	0.55, 41783	1.7395	1.43625	1.90839	164.0034	68.00709	177.73654	25.39154	16.17569	38.72375	7.07E-07	6.58E-05	1.43E-05	2.18E-10	6.59E-10	5.2E-10	0	0	0	0	1.767E-07	2.7429E-08	1.7929E-06	2.23105E-10	0	1.11359E-10	0
375	571430.6	4178359	0.55, 41783	1.37666	1.15767	1.50113	113.66708	62.41604	162.05892	21.33563	13.79366	30.03325	5.56E-07	6E-05	1.11E-05	1.72E-10	5.18E-10	4.09E-10	0	0	0	0	1.39E-07	2.5009E-08	1.39055E-06	1.75494E-10	0	8.75947E-11	0
376	571470.6	4178359	0.55, 41783	1.11313	0.95193	1.20554	91.64258	57.80687	139.39839	17.74486	11.89568	22.85385	4.47E-07	5.16E-05	8.47E-06	1.38E-10	4.16E-10	3.29E-10	0	0	0	0	1.116E-07	2.1512E-08	1.05816E-06	1.40938E-10	0	7.03466E-11	0
377	571510.6	4178359	0.55, 41783	0.9166	0.79605	0.98663	82.11168	53.90312	116.32041	14.64829	10.35284	20.08654	3.65E-07	4.31E-05	7.44E-06	1.13E-10	3.41E-10	2.69E-10	0	0	0	0	9.137E-08	1.7951E-08	9.30021E-07	1.15346E-10	0	5.75728E-11	0
378	571550.6	4178359	0.55, 41783	0.76622	0.67498	0.82026	72.9064	50.52239	102.58687	12.13868	9.07968	17.28494	3.04E-07	3.8E-05	6.4E-06	9.38E-11	2.83E-10	2.24E-10	0	0	0	0	7.596E-08	1.5832E-08	8.00299E-07	9.58962E-11	0	4.78648E-11	0
379	571590.6	4178359	0.55, 41783	0.64386	0.57575	0.68602	65.94968	47.48497	92.44167	10.99161	8.00686	15.40694	2.54E-07	3.42E-05	5.71E-06	7.84E-11	2.37E-10	1.87E-10	0	0	0	0	6.353E-08	1.4266E-08	7.13349E-07	8.02026E-11	0	4.00317E-11	0
380	570310.6	4178399	0.55, 41783	0.11287	0.08031	0.1093	71.34246	27.87564	79.43468	11.89041	3.82503	13.23911	4.05E-08	2.94E-05	4.9E-06	1.25E-11	3.77E-11	2.98E-11	0	0	0	0	1.012E-08	1.2259E-08	6.13008E-07	1.2778E-11	0	6.37789E-12	0
381	570350.6	4178399	0.55, 41783	0.12665	0.09175	0.12214	75.96419	29.57043	83.22909	12.46202	4.12173	13.80548	4.52E-08	3.08E-05	5.11E-06	1.4E-11	4.22E-11	3.33E-11	0	0	0	0	1.131E-08	1.2844E-08	6.39234E-07	1.42791E-11	0	7.12716E-12	0
382	570390.6	4178399	0.55, 41783	0.1425	0.10434	0.13672	83.29233	31.439	92.96873	13.04897	4.44958	14.404	5.06E-08	3.44E-05	5.34E-06	1.56E-11	4.72E-11	3.73E-11	0	0	0	0	1.266E-08	1.4347E-08	6.66948E-07	1.59837E-11	0	7.97796E-12	0
383	570430.6	4178399	0.55, 41783	0.16211	0.12032	0.15453	91.32735	33.521	103.76057	14.59534	4.81492	15.65812	5.72E-08	3.84E-05	5.8E-06	1.77E-11	5.33E-11	4.21E-11	0	0	0	0	1.431E-08	1.6012E-08	7.25022E-07	1.80659E-11	0	9.01726E-12	0
384	570470.6	4178399	0.55, 41783	0.18668	0.14051	0.17655	100.43451	35.89015	115.76296	16.57018	5.22899	18.35818	6.54E-08	4.29E-05	6.8E-06	2.02E-11	6.09E-11	4.81E-11	0	0	0	0	1.635E-08	1.7865E-08	8.50037E-07	2.06403E-11	0	1.03022E-11	0
385	570510.6	4178399	0.55, 41783	0.21834	0.16684	0.20421	112.76596	38.62084	128.93318	18.79433	5.70408	21.48886	7.56E-08	4.78E-05	7.96E-06	2.33E-11	7.05E-11	5.57E-11	0	0	0	0	1.891E-08	1.9897E-08	9.94989E-07	2.38741E-11	0	1.19163E-11	0
386	570550.6	4178399	0.55, 41783	0.26039	0.20212	0.2399	127.75395	41.82578	149.79254	21.29232	6.25899	24.96542	8.89E-08	5.55E-05	9.25E-06	2.74E-11	8.28E-11	6.54E-11	0	0	0	0	2.222E-08	2.3116E-08	1.15596E-06	2.80468E-11	0	1.39991E-11	0
387	570590.6	4178399	0.55, 41783	0.3185	0.25095	0.28739	144.10526	45.67081	172.10131	24.01754	7.17597	28.68355	1.06E-07	6.37E-05	1.06E-05	3.29E-11	9.92E-11	7.83E-11	0	0	0	0	2.661E-08	2.6558E-08	1.32811E-06	3.35992E-11	0	1.67704E-11	0
388	570630.6	4178399	0.55, 41783	0.40291	0.32135	0.35272	177.65061	50.39519	203.06539	27.05917	8.74903	32.05961	1.31E-07	7.52E-05	1.19E-05	4.03E-11	1.22E-10	9.62E-11	0	0	0	0	3.266E-08	3.1337E-08	1.48443E-06	4.12374E-11	0	2.05829E-11	0
389	570670.6	4178399	0.55, 41783	0.53348	0.4284	0.44753	224.79663	56.41372	278.51402	32.60934	10.76331	39.25369	1.66E-07	0.000103	1.45E-05	5.12E-11	1.54E-10	1.22E-10	0	0	0	0	4.144E-08	4.2979E-08	1.81752E-06	5.23226E-11	0	2.61159E-11	0
390	570710.6	4178399	0.55, 41783	0.75271	0.60288	0.59636	297.96202	70.92072	361.49768	41.13122	14.0152	50.83456	2.21E-07	0.000134	1.88E-05	6.82E-11	2.06E-10	1.63E-10	0	0	0	0	5.523E-08	5.5785E-08	2.35373E-06	6.9724E-11	0	3.48015E-11	0
391	570750.6	4178399	0.55, 41783	1.15447	0.90762	0.85203	416.42427	90.04322	551.74774	52.05303	22.1169	68.96847	3.16E-07	0.000204	2.55E-05	9.74E-11	2.94E-10	2.32E-10	0	0	0	0	7.891E-08	8.5143E-08	3.19331E-06	9.96175E-11	0	4.97223E-11	0
392	570790.6	4178399	0.55, 41783	1.70092	1.35462	1.23288	632.44551	121.09647	736.15706	79.05569	31.00919	92.01963	4.57E-07	0.000273	3.41E-05	1.41E-10	4.26E-10	3.36E-10	0	0	0	0	1.142E-07	1.136E-07	4.26073E-06	1.44147E-10	0	7.19483E-11	0
393	570830.6	4178399	0.55, 41783	3.46088	2.976	2.05541	854.46592	185.76652	929.26678	157.19416	64.23703	133.05669	7.61E-07	0.000344	4.93E-05	2.35E-10	7.1E-10	5.6E-10	0	0	0	0	1.904E-07	1.434E-07	6.16138E-06	2.40339E-10	0	1.19961E-10	0
394	571110.6	4178399	0.55, 41783	4.7766	17.70794	5.53677	386.44752	237.89657	1139.86397	91.74551	117.26543	182.49582	2.05E-06	0.000422	6.76E-05	6.33E-10	1.91E-09	1.51E-09	0	0	0	0	5.13E-07	1.759E-07	8.44916E-06	6.47679E-10	0	3.23277E-10	0
395	571150.6	4178399	0.55, 41783	4.75682	9.04164	4.75414	493.27775	194.83019	977.82769	91.47407	80.27894	179.74579	1.76E-06	0.000362	6.66E-05	5.44E-10	1.64E-09	1.3E-09	0	0	0	0	4.404E-07	1.5089E-07	8.32185E-06	5.55953E-10	0	2.77494E-10	0
396	571190.6	4178399	0.55, 41783	4.13591	5.67532	3.9763	541.83424	159.29594	784.3481	82.25115	55.55038	130.43816	1.47E-06	0.00029	4.83E-05	4.55E-10	1.37E-09	1.08E-09	0	0	0	0	3.683E-07	1.2104E-07	6.03921E-06	4.64938E-10	0	2.32065E-10	0
397	571230.6	4178399	0.55, 41783	3.34043	3.91116	3.41587	419.25179	113.41297	723.05548	67.92735	42.50701	103.29364	1.27E-06	0.000268	3.83E-05	3.9E-10	1.18E-09	9.31E-10	0	0	0	0	3.163E-07	1.1158E-07	4.78247E-06	3.9938E-10	0	1.99343E-10	0
398	571270.6	4178399	0.55, 41783	2.69096	2.84934	2.72459	276.99568	96.24025	620.23738	46.4546	32.10306	94.16047	1.01E-06	0.00023	3.49E-05	3.11E-10	9.4E-10	7.43E-10	0	0	0	0	2.523E-07	9.571E-08	4.35941E-06	3.18548E-10	0	1.58998E-10	0
399	571310.6	4178399	0.55, 41783	2.15304	2.16763	2.23142	240.01182	84.08056	257.12386	39.08125	24.00367	52.53394	8.27E-07	9.52E-05	1.95E-05	2.55E-10	7.7E-10	6.08E-10	0	0	0	0	2.066E-07	3.968E-08	2.43237E-06	2.60884E-10	0	1.30215E-10	0
400	571350.6	4178399	0.55, 41783	1.74135	1.70512	1.85867	224.12525	73.73672	326.22415	31.06226	18.34101	44.13622	6.88E-07	0.000121	1.63E-05	2.12E-10	6.41E-10	5.07E-10	0	0	0	0	1.721E-07	5.0342E-08	2.04352E-06	2.17301E-10	0	1.08462E-10	0
401	571390.6	4178399	0.55, 41783	1.43215	1.37481	1.54866	207.21833	64.01827	312.56807	26.21992	15.02288	39.07101	5.74E-07	0.000116	1.45E-05	1.77E-10	5.34E-10	4.22E-10	0	0	0	0	1.434E-07	4.8234E-08	1.80899E-06	1.81056E-10	0	9.03708E-11	0
402	571430.6	4178399	0.55, 41783	1.19016	1.12906	1.29293	179.9524	59.14274	244.73255	22.49405	12.88734	30.59157	4.79E-07	9.06E-05	1.13E-05	1.48E-10	4.46E-10	3.52E-10	0	0	0	0	1.197E-07	3.7766E-08	1.41641E-06	1.51158E-10	0	7.54476E-11	0
403	571470.6	4178399	0.55, 41783	0.9966	0.93995	1.08271	146.8642	55.47011	170.50633	18.35802	11.23121	21.31329	4.01E-07	6.32E-05	7.89E-06	1.24E-10	3.74E-10	2.95E-10	0	0	0	0	1.003E-07	2.6313E-08	9.86856E-07	1.2658E-10	0	6.31803E-11	0
404	571510.6	4178399	0.55, 41783	0.8441	0.79417	0.91453	113.63796	52.27286	111.23462	14.20474	9.85599	18.36688	3.39E-07	4.12E-05	6.8E-06	1.05E-10	3.16E-10	2.49E-10	0	0	0	0	8.469E-08	1.7167E-08	8.5041E-07	1.06918E-10	0	5.33664E-11	0
405	571550.6	4178399	0.55, 41783	0.71988	0.67749	0.77601	84.04695	49.45688	81.90115	12.59546	8.65245	16.41022	2.87E-07	3.03E-05	6.08E-06	8.87E-11	2.68E-10	2.12E-10	0	0	0	0	7.186E-08	1.264E-08	7.59813E-07	9.0724E-11	0	4.52833E-11	0
406	571590.6	4178399	0.55, 41783	0.61846	0.58359	0.66441	61.25343	46.95039	82.40366	11.31778	7.65227	14.12983	2.46E-07	3.05E-05	5.23E-06	7.59E-11	2.29E-10	1.81E-10	0	0	0	0	6.153E-08	1.2717E-08	6.54234E-07	7.76769E-11	0	3.8771E-11	0
407	570310.6	4178439	0.55, 41784	0.11265	0.08111	0.10949	78.47962	27.91467	88.7071	13.07994	3.48933	14.78452	4.06E-08	3.29E-05	5.48E-06	1.25E-11	3.78E-11	2.98E-11	0	0	0	0	1.014E-08	1.3689E-08	6.84563E-07	1.28002E-11	0	6.38898E-12	0
408	570350.6	4178439	0.55, 41784	0.12585	0.09139	0.12175	84.54471	29.62734	96.42477	14.09078	3.70342	16.0708	4.51E-08	3.57E-05	5.95E-06	1.39E-11	4.2E-11	3.32E-11	0	0	0	0	1.127E-08	1.488E-08	7.44119E-07	1.42335E-11	0	7.1044E-12	0
409	570390.6	4178439	0.55, 41784	0.14252	0.10489	0.13706	91.50908	31.67143	105.54781	15.25151	4.06451	17.5913	5.08E-08	3.91E-05	6.52E-06	1.57E-11	4.73E-11	3.74E-11	0	0	0	0	1.269E-08	1.6288E-08	8.1452E-07	1.60234E-11	0	7.99781E-12	0
410	570430.6	4178439	0.55, 41784	0.16313	0.12204	0.15568	99.54775	33.93845	116.15512	16.59129	4.47421	19.35919	5.77E-08	4.3E-05	7.17E-06	1.78E-11	5.37E-11	4.24E-11	0	0	0	0	1.442E-08	1.7925E-08	8.96375E-07	1.82003E-11	0	9.08438E-12	0
411	570470.6	4178439	0.55, 41784	0.18858	0.14267	0.1783	108.92524	36.54882	128.38607	18.15421	4.93599	21.39768	6.6E-08	4.75E-05	7.93E-06	2.04E-11	6.15E-11	4.86E-11	0	0	0	0	1.651E-08	1.9812E-08	9.9076E-07	2.08449E-11	0	1.04044E-11	0
412	570510.6	4178439	0.55, 41784	0.22167	0.16966	0.20722	120.34611	39.98702	143.34164	20.05769	5.68986	23.89027	7.68E-08	5.31E-05	8.85E-06	2.37E-11	7.15E-11	5.65E-11	0	0	0	0	1.919E-08	2.212E-08	1.10617E-06	2.4226E-11	0	1.2092E-11	0
413	570550.6	4178439	0.55, 41784	0.2658	0.20594	0.24496	134.27176	44.24032	161.13607	22.37863	6.83821	26.85601	9.07E-08	5.97E-05	9.95E-06	2.8E-11	8.45E-11	6.68E-11	0	0	0	0	2.268E-08	2.4866E-08	1.24349E-06	2.86384E-11	0	1.42943E-11	0
414	570590.6	4178439	0.55, 41784	0.3272	0.25654	0.29583	151.91315	49.32778	182.29969	25.31886	8.30482	30.38328	1.1E-07	6.75E-05	1.13E-05	3.38E-11	1.02E-10	8.06E-11	0	0	0	0	2.74E-08	2.8132E-08	1.40681E-06	3.45859E-11	0	1.72629E-11	0
415	570630.6	4178439	0.55, 41784	0.41735	0.33056	0.3671	175.42083	55.6235	213.97884	29.2368	10.21264	34.63299	1.36E-07	7.92E-05	1.28E-05	4.2E-11	1.27E-10	1E-10	0	0	0	0	3.4E-08	3.3021E-08	1.60358E-06	4.29185E-11	0	2.1422E-11	0
416	570670.6	4178439	0.55, 41784	0.56024	0.44648	0.47194	208.37177	63.80907	268.23017	34.72863	12.75328	41.38807	1.75E-07	9.93E-05	1.53E-05	5.39E-11	1.63E-10	1.29E-10	0	0	0	0	4.371E-08	4.1393E-08	1.91635E-06	5.51763E-11	0	2.75403E-11	0
417	570710.6	4178439	0.55, 41784	0.81434	0.64609	0.63688	258.28683	75.2647	339.8113	43.04781	16.40047	56.02404	2.36E-07	0.000126	2.08E-05	7.28E-11	2.2E-10	1.74E-10	0	0	0	0	5.898E-08	5.2438E-08	2.59398E-06	7.44615E-11	0	3.71661E-11	0
418	570750.6	4178439	0.55, 41784	1.35572	1.03003	0.91926	343.9155	93.10334	457.76974	57.16949	22.25077	76.29496	3.41E-07	0.00017	2.83E-05	1.05E-10	3.17E-10	2.51E-10	0	0	0	0	8.513E-08	7.0641E-08	3.53253E-06	1.0748E-10	0	5.36465E-11	0
419	570790.6	4178439	0.55, 41784	3.18264	2.0617	1.49283	571.47263	129.70009	738.76969	95.66015	38.79176	110.20608	5.53E-07	0.000274	4.08E-05	1.71E-10	5.15E-10	4.07E-10	0	0	0	0	1.383E-07	1.14E-07	5.10281E-06	1.74556E-10	0	8.71264E-11	0
420	571070.6	4178439	0.55, 41784	4.74443	12.25677	5.33303	251.71558	235.3671	557.08631	48.15254	87.29167	78.37734	1.98E-06	0.000206	2.9E-05	6.1E-10	1.84E-09	1.45E-09	0	0	0	0	4.94E-07	8.5971E-08	3.62881E-06	6.23708E-10	0	3.11312E-10	0
421	571110.6	4178439	0.55, 41784	3.89854	10.39914	4.234	292.37938	213.76959	730.76501	54.55193	96.69541	95.26587	1.57E-06	0.000271	3.53E-05	4.84E-10	1.46E-09	1.15E-09	0	0	0	0	3.922E-07	1.1277E-07	4.41069E-06	4.95194E-10	0	2.47167E-10	0
422	571150.6	4178439	0.55, 41784	3.24566	6.14355	3.38328	299.25996	151.74182	537.6659	53.26943	58.88405	104.89405	1.25E-06	0.000199	3.89E-05	3.87E-10	1.17E-09	9.23E-10	0	0	0	0	3.134E-07	8.2971E-08	4.85637E-06	3.95635E-10	0	1.97474E-10	0
423	571190.6	4178439	0.55, 41784	2.68652	4.20662	2.81661	319.22111	114.25705	663.08885	45.60302	42.68486	97.00809	1.04E-06	0.000246	3.59E-05	3.22E-10	9.72E-10	7.68E-10	0	0	0	0	2.609E-07	1.0232E-07	4.49122E-06	3.29343E-10	0	1.64386E-10	0
424	571230.6	4178439	0.55, 41784	2.2851	3.10379	2.38014	355.31137	114.374	594.35462	48.25343	33.87475	78.4876	8.82E-07	0.00022	2.91E-05	2.72E-10	8.22E-10	6.49E-10	0	0	0	0	2.204E-07	9.1718E-08	3.63392E-06	2.78294E-10	0	1.38905E-10	0
425	571270.6	4178439	0.55, 41784	1.91581	2.39067	2.08735	281.61312	92.35093	457.23387	43.32371	28.45229	65.31912	7.73E-07	0.000169	2.42E-05	2.39E-10	7.2E-10	5.69E-10	0	0	0	0	1.933E-07	7.0558E-08	3.02427E-06	2.4405E-10	0	1.21813E-10	0
426	571310.6	4178439	0.55, 41784	1.62017	1.88774	1.73959	249.98498	75.512	443.82502	38.72011	23.46838	65.04063	6.44E-07	0.000164	2.41E-05	1.99E-10	6E-10	4.74E-10	0	0	0	0	1.611E-07	6.8488E-08	3.01132E-06	2.03388E-10	0	1.01517E-10	0
427	571350.6	4178439	0.55, 41784	1.36969	1.52492	1.4607	207.90528	71.02603	289.54604	31.99215	18.96422	43.80183	5.41E-07	0.000107	1.62E-05	1.67E-10	5.04E-10	3.98E-10	0	0	0	0	1.353E-07	4.4682E-08	2.02806E-06	1.70779E-10	0	8.52412E-11	0
428	571390.6	4178439	0.55, 41784	1.16602	1.25794	1.25769	137.82846	66.02867	157.99714	21.56098	15.29437	27.7078	4.66E-07	5.85E-05	1.03E-05	1.44E-10	4.34E-10	3.43E-10	0	0	0	0	1.165E-07	2.4383E-08	1.28291E-06	1.47042E-10	0	7.33935E-11	0
429	571430.6	4178439	0.55, 41784	1.00225	1.05165	1.08939	150.81052	60.59063	188.78292	19.07395	12.70811	25.02004	4.04E-07	6.99E-05	9.27E-06	1.25E-10	3.76E-10	2.97E-10	0	0	0	0	1.009E-07	2.9133E-08	1.15846E-06	1.27364E-10	0	6.35717E-11	0
430	571470.6	4178439	0.55, 41784	0.86528	0.88825	0.94207	153.64691	54.59461	206.40776	19.20586	10.6849	25.80097	3.49E-07	7.64E-05	9.56E-06	1.08E-10	3.25E-10	2.57E-10	0	0	0	0	8.724E-08	3.1852E-08	1.19461E-06	1.1014E-10	0	5.49744E-11	0
431	571510.6	4178439	0.55, 41784	0.75493	0.76151	0.82291	144.52703	49.13224	189.90829	18.06588	9.74189	23.73854	3.05E-07	7.03E-05	8.79E-06	9.41E-11	2.84E-10	2.24E-10	0	0	0	0	7.621E-08	2.9306E-08	1.09912E-06	9.62084E-11	0	4.80207E-11	0
432	571550.6	4178439	0.55, 41784	0.65913	0.65716	0.71761	127.58758	46.59598	156.05984	15.94845	8.8858	19.50748	2.66E-07	5.78E-05	7.23E-06	8.2E-11	2.48E-10	1.96E-10	0	0	0	0	6.646E-08	2.4083E-08	9.03232E-07	8.38973E-11	0	4.18758E-11	0
433	571590.6	4178439	0.55, 41784	0.57626	0.57045	0.62441	106.82976	44.35137	118.44703	13.35372	8.08009	14.80588	2.31E-07	4.39E-05	5.48E-06	7.14E-11	2.16E-10	1.7E-10	0	0	0	0	5.782E-08	1.8279E-08	6.85555E-07	7.3001E-11	0	3.64372E-11	0
434	570310.6	4178479	0.55, 41784	0.1113	0.08183	0.10709	74.58423	29.47815	84.27127	11.80727	4.00274	12.56763	3.97E-08	3.12E-05	4.66E-06	1.22E-11	3.7E-11	2.92E-11	0	0	0	0	9.917E-09	1.3005E-08	5.81924E-07	1.25197E-11	0	6.24898E-12	0
435	570350.6	4178479	0.55, 41784	0.12561	0.09388	0.12027	80.0812	31.76761	91.05741	12.83362	4.33491	13.82729	4.45E-08	3.37E-05	5.12E-06	1.37E-11	4.15E-11	3.28E-11	0	0	0	0	1.114E-08	1.4052E-08	6.40248E-07	1.40606E-11	0	7.01809E-12	0
436	570390.6	4178479	0.55, 41784	0.14146	0.10678	0.13471	86.10528	34.01158	98.86723	14.01299	4.67053	15.28263	4.99E-08	3.66E-05	5.66E-06	1.54E-11	4.65E-11	3.67E-11	0	0	0	0	1.247E-08	1.5257E-08	7.07633E-07	1.57488E-11	0	7.86073E-12	0
437	570430.6	4178479	0.55, 41784	0.16075	0.12266	0.15218	93.00088	36.36689	108.11431	15.32204	5.02469	17.00047	5.64E-08	4E-05	6.3E-06	1.74E-11	5.25E-11	4.15E-11	0	0	0	0	1.409E-08	1.6684E-08	7.87171E-07	1.77913E-11	0	8.88019E-12	0
438	570470.6	4178479	0.55, 41784	0.18644	0.14379	0.17515	101.96042	39.51551	120.09702	16.93263	5.48718	19.18544	6.49E-08	4.45E-05	7.11E-06	2E-11	6.04E-11	4.77E-11	0	0	0	0	1.622E-08	1.8533E-08	8.88337E-07	2.04768E-11	0	1.02206E-11	0
439	570510.6	4178479	0.55, 41784	0.22079	0.17209	0.20548	113.44919	43.50567	135.70428	18.9082	6.17272	22.02345	7.61E-08	5.03E-05	8.16E-06	2.35E-11	7.09E-11	5.6E-11	0	0	0	0	1.903E-08	2.0942E-08	1.01974E-06	2.40227E-11	0	1.19905E-11	0
440	570550.6	4178479	0.55, 41784	0.2667	0.21004	0.24533	127.7059	48.20733	155.63974	21.28432	7.34053	25.62853	9.09E-08	5.76E-05	9.49E-06	2.8E-11	8.47E-11	6.69E-11	0	0	0	0	2.272E-08	2.4018E-08	1.18665E-06	2.86818E-11	0	1.4316E-11	0
441	570590.6	4178479	0.55, 41784	0.32931	0.26248	0.29831	144.67878	53.44745	182.17951	24.11313	8.81975	30.24215	1.11E-07	6.75E-05	1.12E-05	3.41E-11	1.03E-10	8.13E-11	0	0	0	0	2.763E-08	2.8114E-08	1.40026E-06	3.48759E-11	0	1.74077E-11	0
442	570630.6	4178479	0.55, 41784	0.42133	0.33962	0.37314	165.95931	60.05375	219.0797	27.65989	10.77683	36.51328	1.38E-07	8.11E-05	1.35E-05	4.27E-11	1.29E-10	1.02E-10	0	0	0	0	3.456E-08	3.3808E-08	1.6906E-06	4.36248E-11	0	2.17745E-11	0
443	570670.6	4178479	0.55, 41784	0.56746	0.46145	0.48445	193.36004	69.0612	272.47405	32.22667	13.5092	45.41234	1.79E-07	0.000101	1.68E-05	5.54E-11	1.67E-10	1.32E-10	0	0	0	0	4.486E-08	4.2048E-08	2.10261E-06	5.6639E-11	0	2.82703E-11	0
444	570710.6	4178479	0.55, 41784	0.83023	0.67528	0.66195	236.53606	81.84268	352.22256	39.07222	17.68943	58.70376	2.45E-07	0.00013	2.17E-05	7.57E-11	2.28E-10	1.8E-10	0	0	0	0	6.13E-08	5.4354E-08	2.71798E-06	7.73927E-11	0	3.86292E-11	0
445	570750.6	4178479	0.55, 41784	1.42426	1.12918	0.97629	342.03514	102.90165	482.1747	49.67165	25.1054	80.36245	3.62E-07	0.000179	2.98E-05	1.12E-10	3.37E-10	2.66E-10	0	0	0	0	9.042E-08	7.4407E-08	3.72072E-06	1.14149E-10	0	5.69752E-11	0
446	570790.6	4178479	0.55, 41784	3.63047	2.75084	1.62936	596.75244	187.47347	722.34167	107.7468	51.23422	120.39028	6.04E-07	0.000268	4.46E-05	1.86E-10	5.62E-10	4.44E-10	0	0	0	0	1.509E-07	1.1147E-07	5.57441E-06	1.90535E-10	0	9.51022E-11	0
447	571030.6	4178479	0.55, 41784	9.40071	15.68167	11.18665	333.68631	267.08575	756.18793	81.11776	110.69164	178.64972	4.14E-06	0.00028	6.62E-05	1.28E-09	3.86E-09	3.05E-09	0	0	0	0	1.036E-06	1.167E-07	8.27098E-06	1.30801E-09	0	6.52869E-10	0
448	571070.6	4178479	0.55, 41784	5.59712	9.0131	6.53916	216.22006	204.77885	522.16381	54.58514	76.29745	101.00005	2.42E-06	0.000193	3.74E-05	7.48E-10	2.26E-09	1.78E-09	0	0	0	0	6.056E-07	8.0581E-08	4.67613E-06	7.64593E-10	0	3.81633E-10	0
449	571110.6	4178479	0.55, 41784	3.86033	5.8724	4.45436	232.77263	158.88759	526.3096	40.87392	60.11848	68.10823	1.65E-06	0.000195	2.52E-05	5.09E-10	1.54E-09	1.21E-09	0	0	0	0	4.125E-07	8.1219E-08	3.15335E-06	5.20819E-10	0	2.59958E-10	0
450	571150.6	4178479	0.55, 41784	2.87873	4.17215	3.24074	243.47288	131.88403	510.79766	36.94401	47.80365	68.59206	1.2E-06	0.000189	2.54E-05	3.7E-10	1.12E-09	8.84E-10	0	0	0	0	3.001E-07	7.8825E-08	3.17569E-06	3.78916E-10	0	1.89129E-10	0
451	571190.6	4178479	0.55, 41784	2.25924	3.11768	2.54212	272.99859	103.34976	495.79992	40.61499	35.56429	82.63332	9.42E-07	0.000184	3.06E-05	2.91E-10	8.77E-10	6.93E-10	0	0	0	0	2.354E-07	7.6509E-08	3.82573E-06	2.97227E-10	0	1.48356E-10	0
452	571230.6	4178479	0.55, 41784	1.86428	2.43731	2.04705	228.60917	88.43023	428.91859	34.9281	28.65964	53.61482	7.58E-07	0.000159	1.99E-05	2.34E-10	7.07E-10	5.58E-10	0	0	0	0	1.896E-07	6.6189E-08	2.48235E-06	2.39341E-10	0	1.19463E-10	0
453	571270.6	4178479	0.55, 41784	1.58233	1.95726	1.72288	275.18297	89.4878	451.79055	39.56066	24.38596	62.99097	6.38E-07	0.000167	2.33E-05	1.97E-10	5.95E-10	4.7E-10	0	0	0	0	1.596E-07	6.9718E-08	2.91645E-06	2.01436E-10	0	1.00543E-10	0
454	571310.6	4178479	0.55, 41784	1.35793	1.6065	1.5101	222.77943	77.47813	328.49847	32.82803	21.05024	46.46168	5.59E-07	0.000122	1.72E-05	1.73E-10	5.21E-10	4.12E-10	0	0	0	0	1.398E-07	5.0693E-08	2.15119E-06	1.76555E-10	0	8.81244E-11	0
455	571350.6	4178479	0.55, 41784	1.1642	1.33076	1.27594	210.30644	64.61424	297.95893	30.9494	18.13628	42.55235	4.73E-07	0.00011	1.58E-05	1.46E-10	4.4E-10	3.48E-10	0	0	0	0	1.182E-07	4.598E-08	1.9702E-06	1.49177E-10	0	7.44592E-11	0
456	571390.6	4178479	0.55, 41784	1.001	1.11694	1.07653	187.8278	60.73144	278.37154	27.7002	15.35336	39.86006	3.99E-07	0.000103	1.48E-05	1.23E-10	3.72E-10	2.93E-10	0	0	0	0	9.97E-08	4.2957E-08	1.84553E-06	1.25863E-10	0	6.28223E-11	0
457	571430.6	4178479	0.55, 41784	0.8626	0.94616	0.9271	141.00765	57.76687	153.44465	20.99683	12.7525	23.01436	3.43E-07	5.68E-05	8.53E-06	1.06E-10	3.2E-10	2.53E-10	0	0	0	0	8.586E-08	2.368E-08	1.06563E-06	1.08392E-10	0	5.41019E-11	0
458	571470.6	4178479	0.55, 41784	0.75511	0.81334	0.81471	85.41876	54.87579	110.14274	13.60469	11.10539	17.11986	3.02E-07	4.08E-05	6.34E-06	9.31E-11	2.81E-10	2.22E-10	0	0	0	0	7.545E-08	1.6998E-08	7.92676E-07	9.52514E-11	0	4.7543E-11	0
459	571510.6	4178479	0.55, 41784	0.666	0.70453	0.71826	104.54177	51.61661	121.24791	13.06772	9.4895	15.99878	2.66E-07	4.49E-05	5.93E-06	8.21E-11	2.48E-10	1.96E-10	0	0	0	0	6.652E-08	1.8712E-08	7.40773E-07	8.39746E-11	0	4.19144E-11	0
460	571550.6	4178479	0.55, 41784	0.58993	0.61436	0.63446	114.23468	47.78612	141.81512	14.27934	8.47335	17.72689	2.35E-07	5.25E-05	6.57E-06	7.25E-11	2.19E-10	1.73E-10	0	0	0	0	5.876E-08	2.1885E-08	8.20785E-07	7.4177E-11	0	3.70241E-11	0
461	571590.6	4178479	0.55, 41784	0.5248	0.5396	0.56365	114.71837	43.31659	143.69009	14.3398	7.89274	17.96126	2.09E-07	5.32E-05	6.65E-06	6.44E-11	1.95E-10	1.54E-10	0	0	0	0	5.22E-08	2.2174E-08	8.31635E-07	6.58982E-11	0	3.28919E-11	0
462	570310.6	4178519	0.55, 41785	0.10968	0.08323	0.10459	75.92481	30.95134	85.20389	12.65413	4.31611	14.20065	3.87E-08	3.16E-05	5.26E-06	1.2E-11	3.61E-11	2.85E-11	0	0	0	0	9.685E-09	1.3149E-08	6.57529E-07	1.22275E-11	0	6.10314E-12	0
463	570350.6	4178519	0.55, 41785	0.12253	0.09413	0.11632	80.98331	32.52203	91.70345	13.49722	4.56123	15.28391	4.31E-08	3.4E-05	5.66E-06	1.33E-11	4.01E-11	3.17E-11	0	0	0	0	1.077E-08	1.4152E-08	7.07686E-07	1.35989E-11	0	6.78765E-12	0
464	570390.6	4178519	0.55, 41785	0.13706	0.10653	0.12954	86.4192	34.09518	99.00991	14.4032	4.78567	16.50165	4.8E-08	3.67E-05	6.11E-06	1.48E-11	4.47E-11	3.53E-11	0	0	0	0	1.2E-08	1.5279E-08	7.64068E-07	1.51445E-11	0	7.5591E-12	0
465	570430.6	4178519	0.55, 41785	0.15657	0.12308	0.14711	93.48729	36.56809	108.68156	15.58121	5.11226	18.11359	5.45E-08	4.03E-05	6.71E-06	1.68E-11	5.08E-11	4.01E-11	0	0	0	0	1.362E-08	1.6772E-08	8.38702E-07	1.71987E-11	0	8.58441E-12	0
466	570470.6	4178519	0.55, 41785	0.18113	0.14422	0.16907	101.65142	39.2669	120.52836	16.9419	5.47129	20.08806	6.26E-08	4.46E-05	7.44E-06	1.93E-11	5.84E-11	4.61E-11	0	0	0	0	1.566E-08	1.86E-08	9.3012E-07	1.97661E-11	0	9.86589E-12	0
467	570510.6	4178519	0.55, 41785	0.21556	0.17373	0.19928	112.42418	43.21366	137.68321	18.73736	6.23491	22.9472	7.38E-08	5.1E-05	8.5E-06	2.28E-11	6.88E-11	5.43E-11	0	0	0	0	1.845E-08	2.1247E-08	1.0625E-06	2.32981E-11	0	1.16288E-11	0
468	570550.6	4178519	0.55, 41785	0.26244	0.21401	0.23948	127.39838	48.06291	159.66591	20.89373	7.26318	26.61098	8.87E-08	5.91E-05	9.86E-06	2.74E-11	8.27E-11	6.53E-11	0	0	0	0	2.218E-08	2.464E-08	1.23213E-06	2.79981E-11	0	1.39747E-11	0
469	570590.6	4178519	0.55, 41785	0.32438	0.26815	0.29055	146.74921	52.55391	186.84388	23.05175	8.49659	31.14065	1.08E-07	6.92E-05	1.15E-05	3.32E-11	1E-10	7.92E-11	0	0	0	0	2.691E-08	2.8834E-08	1.44184E-06	3.39691E-11	0	1.6955E-11	0
470	570630.6	4178519	0.55, 41785	0.41604	0.34788	0.36203	170.82398	60.03664	221.85088	25.41079	10.076	36.97515	1.34E-07	8.22E-05	1.37E-05	4.14E-11	1.25E-10	9.87E-11	0	0	0	0	3.353E-08	3.4236E-08	1.71196E-06	4.23264E-11	0	2.11265E-11	0
471	570670.6	4178519	0.55, 41785	0.56352	0.47347	0.46761	210.6175	71.54419	266.74609	27.95974	12.2085	44.45768	1.73E-07	9.88E-05	1.65E-05	5.35E-11	1.61E-10	1.27E-10	0	0	0	0	4.33E-08	4.1164E-08	2.05837E-06	5.4671E-11	0	2.7288E-11	0
472	570710.6	4178519	0.55, 41785	0.82936	0.69158	0.6351	257.30872	94.91316	337.8148	32.16359	16.3308	53.60133	2.35E-07	0.000125	1.99E-05	7.26E-11	2.19E-10	1.73E-10	0	0	0	0	5.882E-08	5.2131E-08	2.48169E-06	7.42548E-11	0	3.7063E-11	0
473	570750.6	4178519	0.55, 41785	1.36529	1.13262	0.93188	327.60111	130.96882	473.41526	45.80096	29.91109	62.68561	3.45E-07	0.000175	2.32E-05	1.07E-10	3.22E-10	2.54E-10	0	0	0	0	8.631E-08	7.3057E-08	2.90239E-06	1.08958E-10	0	5.43843E-11	0
474	570790.6	4178519	0.55, 41785	2.09469	1.90095	1.39228	339.24086	174.34023	730.67406	59.4987	49.70987	91.33426	5.16E-07	0.000271	3.38E-05	1.59E-10	4.81E-10	3.8E-10	0	0	0	0	1.29E-07	1.1275E-07	4.22875E-06	1.62795E-10	0	8.12562E-11	0
475	570990.6	4178519	0.55, 41785	30.9381	16.28557	11.79039	1645.60932	278.46944	1244.70182	444.29015	131.46412	279.7997	4.37E-06	0.000461	0.000104	1.35E-09	4.07E-09	3.21E-09	0	0	0	0	1.092E-06	1.9208E-07	1.2958E-05	1.37866E-09	0	6.88135E-10	0
476	571030.6	4178519	0.55, 41785	10.39533	8.05295	7.62595	575.07494	188.36146	999.69988	130.51861	75.45666	173.23921	2.82E-06	0.00037	6.42E-05	8.72E-10	2.63E-09	2.08E-09	0	0	0	0	7.062E-07	1.5427E-07	8.02115E-06	8.91608E-10	0	4.4503E-10	0
477	571070.6	4178519	0.55, 41785	5.62777	5.38206	5.21191	327.13066	151.27996	542.64793	61.45445	56.79768	91.26612	1.93E-06	0.000201	3.38E-05	5.96E-10	1.8E-09	1.42E-09	0	0	0	0	4.827E-07	8.374E-08	4.22562E-06	6.09356E-10	0	3.04149E-10	0
478	571110.6	4178519	0.55, 41785	3.70135	3.92679	3.70614	194.51307	130.68512	402.95521	41.68788	44.49195	69.09918	1.37E-06	0.000149	2.56E-05	4.24E-10	1.28E-09	1.01E-09	0	0	0	0	3.432E-07	6.2184E-08	3.19923E-06	4.33309E-10	0	2.16278E-10	0
479	571150.6	4178519	0.55, 41785	2.69329	3.00723	2.77155	208.02281	103.35418	440.08145	30.40761	37.50867	55.01018	1.03E-06	0.000163	2.04E-05	3.17E-10	9.57E-10	7.56E-10	0	0	0	0	2.567E-07	6.7911E-08	2.54689E-06	3.24042E-10	0	1.6174E-10	0
480	571190.6	4178519	0.55, 41785	2.08526	2.38411	2.19601	205.94825	100.14217	330.97092	32.90062	31.32752	44.74048	8.13E-07	0.000123	1.66E-05	2.51E-10	7.58E-10	5.99E-10	0	0	0	0	2.034E-07	5.1075E-08	2.07152E-06	2.56751E-10	0	1.28153E-10	0
481	571230.6	4178519	0.55, 41785	1.66362	1.91731	1.76389	215.41751	83.66277	360.55042	30.77393	25.17962	52.13444	6.53E-07	0.000134	1.93E-05	2.02E-10	6.09E-10	4.81E-10	0	0	0	0	1.634E-07	5.5639E-08	2.41377E-06	2.06229E-10	0	1.02935E-10	0
482	571270.6	4178519	0.55, 41785	1.38104	1.58176	1.44385	194.90891	74.63088	227.07234	31.16799	21.56574	34.54332	5.35E-07	8.41E-05	1.28E-05	1.65E-10	4.98E-10	3.94E-10	0	0	0	0	1.337E-07	3.5042E-08	1.59946E-06	1.68811E-10	0	8.42591E-11	0
483	571310.6	4178519	0.55, 41785	1.18628	1.33473	1.24995	227.7435	74.01926	353.91479	34.0231	18.88588	51.12416	4.63E-07	0.000131	1.89E-05	1.43E-10	4.31E-10	3.41E-10	0	0	0	0	1.158E-07	5.4615E-08	2.36704E-06	1.4614E-10	0	7.29431E-11	0
484	571350.6	4178519	0.55, 41785	1.02794	1.1349	1.10387	186.21806	66.32591	255.87469	28.09378	16.3212	37.6065	4.09E-07	9.48E-05	1.39E-05	1.26E-10	3.81E-10	3.01E-10	0	0	0	0	1.022E-07	3.9486E-08	1.74122E-06	1.29059E-10	0	6.44177E-11	0
485	571390.6	4178519	0.55, 41785	0.88898	0.96986	0.94947	165.64096	58.31983	230.86073	23.55305	14.40747	29.95608	3.52E-07	8.55E-05	1.11E-05	1.09E-10	3.28E-10	2.59E-10	0	0	0	0	8.793E-08	3.5626E-08	1.38701E-06	1.11007E-10	0	5.54074E-11	0
486	571430.6	4178519	0.55, 41785	0.7696	0.83467	0.8102	166.81635	54.79876	235.11797	23.72844	12.50769	32.6638	3E-07	8.71E-05	1.21E-05	9.26E-11	2.8E-10	2.21E-10	0	0	0	0	7.503E-08	3.6283E-08	1.51236E-06	9.47249E-11	0	4.72802E-11	0
487	571470.6	4178519	0.55, 41785	0.67066	0.72494	0.7032	138.40145	51.97552	171.46902	19.82816	10.73341	24.30543	2.6E-07	6.35E-05	9E-06	8.04E-11	2.43E-10	1.92E-10	0	0	0	0	6.512E-08	2.6461E-08	1.12539E-06	8.2215E-11	0	4.10361E-11	0
488	571510.6	4178519	0.55, 41785	0.58987	0.63439	0.62004	93.94363	49.66848	89.41667	13.736	9.50533	13.29785	2.3E-07	3.31E-05	4.93E-06	7.09E-11	2.14E-10	1.69E-10	0	0	0	0	5.742E-08	1.38E-08	6.15751E-07	7.24922E-11	0	3.61832E-11	0
489	571550.6	4178519	0.55, 41785	0.52422	0.55926	0.55249	64.7066	47.53612	82.72316	9.81761	8.44297	11.85775	2.05E-07	3.06E-05	4.39E-06	6.32E-11	1.91E-10	1.51E-10	0	0	0	0	5.117E-08	1.2767E-08	5.49037E-07	6.45944E-11	0	3.22411E-11	0
490	571590.6	4178519	0.55, 41785	0.47148	0.49721	0.49682	75.39988	45.27823	83.60413	9.54319	7.49343	11.2302	1.84E-07	3.1E-05	4.16E-06	5.68E-11	1.71E-10	1.35E-10	0	0	0	0	4.601E-08	1.2903E-08	5.19983E-07	5.80855E-11	0	2.89923E-11	0
491	570310.6	4178559	0.55, 41785	0.10731	0.08405	0.10201	76.80272	30.54078	89.48595	12.80045	4.19275	14.91432	3.78E-08	3.31E-05	5.52E-06	1.17E-11	3.52E-11	2.78E-11	0	0	0	0	9.447E-09	1.381E-08	6.90568E-07	1.1926E-11	0	5.95264E-12	0
492	570350.6	4178559	0.55, 41785	0.11907	0.09438	0.11262	82.9813	31.5625	94.82328	13.39224	4.31782	15.80388	4.17E-08	3.51E-05	5.85E-06	1.29E-11	3.89E-11	3.07E-11	0	0	0	0	1.043E-08	1.4633E-08	7.31754E-07	1.31664E-11	0	6.57179E-12	0
493	570390.6	4178559	0.55, 41785	0.1339	0.10748	0.12591	90.55746	32.83588	101.05325	14.07263	4.47793	16.84221	4.66E-08	3.74E-05	6.24E-06	1.44E-11	4.35E-11	3.43E-11	0	0	0	0	1.166E-08	1.5595E-08	7.79829E-07	1.47202E-11	0	7.34734E-12	0
494	570430.6	4178559	0.55, 41785	0.15297	0.12443	0.14282	99.07784	34.42492	111.25467	14.88754	4.68196	18.0897	5.29E-08	4.12E-05	6.7E-06	1.63E-11	4.93E-11	3.89E-11	0	0	0	0	1.323E-08	1.7169E-08	8.37587E-07	1.66973E-11	0	8.33414E-12	0
495	570470.6	4178559	0.55, 41785	0.17711	0.14611	0.16369	108.3811	37.13833	125.77833	15.68816	5.10948	19.33096	6.06E-08	4.66E-05	7.16E-06	1.87E-11	5.65E-11	4.46E-11	0	0	0	0	1.516E-08	1.941E-08	8.95057E-07	1.91373E-11	0	9.55205E-12	0
496	570510.6	4178559	0.55, 41785	0.21022	0.1758	0.19176	119.02071	41.74654	144.28309	16.67371	5.7123	20.76073	7.1E-08	5.34E-05	7.69E-06	2.19E-11	6.62E-11	5.23E-11	0	0	0	0	1.776E-08	2.2266E-08	9.61256E-07	2.24192E-11	0	1.11901E-11	0
497	570550.6	4178559	0.55, 41785	0.25686	0.21737	0.22998	138.81712	48.97119	169.0217	17.78034	6.5378	22.20322	8.52E-08	6.26E-05	8.22E-06	2.63E-11	7.94E-11	6.27E-11	0	0	0	0	2.13E-08	2.6083E-08	1.02804E-06	2.68878E-11	0	1.34206E-11	0
498	570590.6	4178559	0.55, 41785	0.31921	0.27311	0.27901	158.95656	55.69599	196.40207	19.86957	7.90259	24.55026	1.03E-07	7.27E-05	9.09E-06	3.19E-11	9.63E-11	7.61E-11	0	0	0	0	2.584E-08	3.0309E-08	1.13672E-06	3.26204E-11	0	1.62819E-11	0
499	570630.6	4178559	0.55, 41785	0.41072	0.35398	0.34795	180.38278	65.18573	228.48167	22.54785	9.64997	28.56021	1.29E-07	8.46E-05	1.06E-05	3.98E-11	1.2E-10	9.49E-11	0	0	0	0	3.222E-08	3.5259E-08	1.32238E-06	4.06809E-11	0	2.03051E-11	0
500	570670.6	4178559	0.55, 41785	0.55178	0.47716	0.45068	218.05495	85.23197	290.43238	27.25687	14.02323	36.30405	1.67E-07	0.000108	1.34E-05	5.15E-11	1.56E-10	1.23E-10	0	0	0	0	4.174E-08	4.4819E-08	1.68091E-06	5.26922E-11	0	2.63004E-11	0
501	570710.6	4178559	0.55, 41785	0.78132	0.6809	0.62169	244.71244	105.12049	355.26836	32.595	21.74638	44.40855	2.3E-07	0.000132	1.64E-05	7.11E-11	2.15E-10	1.69E-10	0	0	0	0	5.758E-08	5.4825E-08	2.05615E-06	7.2687E-11	0	3.62804E-11	0
502	570750.6	4178559	0.55, 41785	1.13763	1.02831	0.92752	276.33124	124.7524	514.56755	39.47589	32.46528	64.32094	3.44E-07	0.000191	2.38E-05	1.06E-10	3.2E-10	2.53E-10	0	0	0	0	8.59E-08	7.9406E-08	2.97801E-06	1.08444E-10	0	5.41281E-11	0
503	570790.6	4178559	0.55, 41785	1.48115	1.46435	1.34156	285.306	157.20995	776.24295	43.19026	42.97795	97.64972	4.97E-07	0.000287	3.62E-05	1.53E-10	4.63E-10	3.66E-10	0	0	0	0	1.242E-07	1.1979E-07	4.52089E-06	1.56852E-10	0	7.82899E-11	0
504	570830.6	4178559	0.55, 41785	2.67811	2.99292	2.3948	342.02881	178.80856	871.65336	66.23843	64.34565	121.28657	8.87E-07	0.000323	4.49E-05	2.74E-10	8.27E-10	6.53E-10	0	0	0	0	2.218E-07	1.3451E-07	5.61537E-06	2.80006E-10	0	1.3976E-10	0
505	570950.6	4178559	0.55, 41785	26.55575	12.00196	5.05287	679.01352	318.67052	1487.06516	280.37281	116.3834	245.48668	1.87E-06	0.000551	9.09E-05	5.78E-10	1.74E-09	1.38E-09	0	0	0	0	4.682E-07	2.2948E-07	1.13675E-05	5.91025E-10	0	2.95E-10	0
506	570990.6	4178559	0.55, 41785	10.52141	6.96087	4.44153	639.29991	205.65266	1371.63359	133.52138	75.6432	174.17097	1.65E-06	0.000508	6.45E-05	5.08E-10	1.53E-09	1.21E-09	0	0	0	0	4.114E-07	2.1166E-07	8.06432E-06	5.19373E-10	0	2.59236E-10	0
507	571030.6	4178559	0.55, 41785	6.12086	4.69941	3.63304	562.31532	143.87555	907.33173	97.52112	53.65332	135.00156	1.35E-06	0.000336	5E-05	4.15E-10	1.25E-09	9.91E-10	0	0	0	0	3.365E-07	1.4001E-07	6.25066E-06	4.24795E-10	0	2.12029E-10	0
508	571070.6	4178559	0.55, 41785	4.00501	3.46908	2.98955	291.75499	122.4909	364.39166	69.10596	41.80504	75.82917	1.11E-06	0.000135	2.81E-05	3.42E-10	1.03E-09	8.15E-10	0	0	0	0	2.769E-07	5.6233E-08	3.51112E-06	3.4954E-10	0	1.74466E-10	0
509	571110.6	4178559	0.55, 41785	2.89394	2.70355	2.4438	288.47324	105.99812	437.78623	48.03981	36.46899	59.71453	9.05E-07	0.000162	2.21E-05	2.79E-10	8.43E-10	6.66E-10	0	0	0	0	2.263E-07	6.7558E-08	2.76488E-06	2.85725E-10	0	1.42615E-10	0
510	571150.6	4178559	0.55, 41785	2.21115	2.17534	2.01472	240.56187	97.79178	377.92847	31.90722	30.3701	47.66793	7.46E-07	0.00014	1.77E-05	2.3E-10	6.95E-10	5.49E-10	0	0	0	0	1.866E-07	5.8321E-08	2.20702E-06	2.35556E-10	0	1.17573E-10	0
511	571190.6	4178559	0.55, 41785	1.76303	1.79806	1.6955	177.14345	83.63267	264.27885	24.55859	26.34777	34.50528	6.28E-07	9.79E-05	1.28E-05	1.94E-10	5.85E-10	4.62E-10	0	0	0	0	1.57E-07	4.0783E-08	1.59761E-06	1.98232E-10	0	9.8944E-11	0
512	571230.6	4178559	0.55, 41785	1.44054	1.50665	1.43503	192.87207	80.98435	306.26039	29.09943	22.26218	51.0434	5.32E-07	0.000113	1.89E-05	1.64E-10	4.95E-10	3.91E-10	0	0	0	0	1.329E-07	4.7261E-08	2.36324E-06	1.67778E-10	0	8.37435E-11	0
513	571270.6	4178559	0.55, 41785	1.19178	1.27042	1.20125	167.21575	71.42327	283.3883	22.32638	19.23301	35.42354	4.45E-07	0.000105	1.31E-05	1.37E-10	4.15E-10	3.28E-10	0	0	0	0	1.112E-07	4.3732E-08	1.64009E-06	1.40446E-10	0	7.0101E-11	0

514	571310.6	4178559	0.55, 41785	1.01245	1.08581	1.02025	169.23295	65.49002	155.67948	26.6418	16.91234	25.18935	3.78E-07	5.77E-05	9.33E-06	1.17E-10	3.52E-10	2.78E-10	0	0	0	0	9.449E-08	2.4025E-08	1.16639E-06	1.19284E-10	0	5.95385E-11	0
515	571350.6	4178559	0.55, 41785	0.8838	0.94242	0.90608	194.09519	63.64749	285.0024	28.90026	14.99354	40.61241	3.36E-07	0.000106	1.5E-05	1.04E-10	3.13E-10	2.47E-10	0	0	0	0	8.391E-08	4.398E-08	1.88037E-06	1.05935E-10	0	5.28756E-11	0
516	571390.6	4178559	0.55, 41785	0.78025	0.82372	0.8159	158.10154	57.98385	206.74246	23.81897	12.89204	30.22211	3.02E-07	7.66E-05	1.12E-05	9.33E-11	2.82E-10	2.22E-10	0	0	0	0	7.556E-08	3.1904E-08	1.39933E-06	9.53909E-11	0	4.76126E-11	0
517	571430.6	4178559	0.55, 41785	0.68512	0.72115	0.71821	137.68904	52.2569	180.06144	18.93914	11.62385	25.68604	2.66E-07	6.67E-05	9.51E-06	8.21E-11	2.48E-10	1.96E-10	0	0	0	0	6.651E-08	2.7787E-08	1.18928E-06	8.39693E-11	0	4.19118E-11	0
518	571470.6	4178559	0.55, 41785	0.60049	0.63425	0.62389	143.56241	49.93475	187.32246	19.90478	10.29716	25.60594	2.31E-07	6.94E-05	9.48E-06	7.13E-11	2.15E-10	1.7E-10	0	0	0	0	5.778E-08	2.8907E-08	1.18559E-06	7.29422E-11	0	3.64078E-11	0
519	571510.6	4178559	0.55, 41785	0.52736	0.56045	0.5447	131.02036	47.72087	167.66109	18.26486	8.99798	23.11602	2.02E-07	6.21E-05	8.56E-06	6.23E-11	1.88E-10	1.49E-10	0	0	0	0	5.044E-08	2.5873E-08	1.07031E-06	6.36839E-11	0	3.17867E-11	0
520	571550.6	4178559	0.55, 41785	0.46874	0.49944	0.48529	99.50634	45.73793	109.0385	14.05158	8.03042	15.4257	1.8E-07	4.04E-05	5.71E-06	5.55E-11	1.67E-10	1.32E-10	0	0	0	0	4.494E-08	1.6827E-08	7.14256E-07	5.67379E-11	0	2.83197E-11	0
521	571590.6	4178559	0.55, 41785	0.42104	0.44786	0.43792	63.39282	43.98321	60.02596	9.17705	7.35207	9.24249	1.62E-07	2.22E-05	3.42E-06	5.01E-11	1.51E-10	1.19E-10	0	0	0	0	4.056E-08	9.2642E-09	4.27965E-07	5.11996E-11	0	2.55553E-11	0
522	570310.6	4178599	0.55, 41785	0.10507	0.08466	0.09914	83.25071	28.48032	95.05484	11.19876	3.62883	12.56574	3.67E-08	3.52E-05	4.65E-06	1.13E-11	3.42E-11	2.7E-11	0	0	0	0	9.181E-09	1.4669E-08	5.81828E-07	1.15905E-11	0	5.78521E-12	0
523	570350.6	4178599	0.55, 41785	0.11716	0.09561	0.10985	88.57329	30.33455	103.53599	11.44069	3.79182	12.942	4.07E-08	3.83E-05	4.79E-06	1.26E-11	3.79E-11	2.99E-11	0	0	0	0	1.017E-08	1.5978E-08	5.99249E-07	1.28427E-11	0	6.4102E-12	0
524	570390.6	4178599	0.55, 41785	0.13131	0.10865	0.12235	93.2639	32.45644	112.44406	11.65799	4.05706	14.05551	4.53E-08	4.16E-05	5.21E-06	1.4E-11	4.22E-11	3.34E-11	0	0	0	0	1.133E-08	1.7352E-08	6.50798E-07	1.43042E-11	0	7.13966E-12	0
525	570430.6	4178599	0.55, 41785	0.15022	0.126	0.13878	103.53542	36.02365	122.12845	12.94193	4.50296	15.26606	5.14E-08	4.52E-05	5.65E-06	1.59E-11	4.79E-11	3.78E-11	0	0	0	0	1.285E-08	1.8847E-08	7.06852E-07	1.62251E-11	0	8.09847E-12	0
526	570470.6	4178599	0.55, 41785	0.17421	0.14819	0.15942	115.63183	39.91557	131.63773	14.45398	5.34922	16.45472	5.91E-08	4.88E-05	6.1E-06	1.82E-11	5.5E-11	4.35E-11	0	0	0	0	1.476E-08	2.0314E-08	7.61896E-07	1.86383E-11	0	9.30296E-12	0
527	570510.6	4178599	0.55, 41785	0.20799	0.17912	0.18803	128.15759	44.54205	154.67263	16.0197	6.36274	19.33408	6.97E-08	5.73E-05	7.16E-06	2.15E-11	6.49E-11	5.13E-11	0	0	0	0	1.741E-08	2.3869E-08	8.95206E-07	2.19833E-11	0	1.09726E-11	0
528	570550.6	4178599	0.55, 41785	0.25382	0.22088	0.22625	141.74172	51.90419	182.47104	17.71771	7.41488	22.80888	8.38E-08	6.76E-05	8.45E-06	2.59E-11	7.81E-11	6.17E-11	0	0	0	0	2.095E-08	2.8159E-08	1.05608E-06	2.64519E-11	0	1.3203E-11	0
529	570590.6	4178599	0.55, 41785	0.31442	0.27626	0.27638	161.8077	62.94071	207.9054	20.22596	8.27119	25.98817	1.02E-07	7.7E-05	9.63E-06	3.16E-11	9.54E-11	7.53E-11	0	0	0	0	2.56E-08	3.2084E-08	1.20329E-06	3.2313E-11	0	1.61285E-11	0
530	570630.6	4178599	0.55, 41785	0.39904	0.35395	0.34775	187.04764	77.01967	233.41259	23.38095	12.20463	29.17657	1.29E-07	8.64E-05	1.08E-05	3.98E-11	1.2E-10	9.48E-11	0	0	0	0	3.22E-08	3.602E-08	1.35092E-06	4.06575E-11	0	2.02934E-11	0
531	570670.6	4178599	0.55, 41785	0.52025	0.46779	0.4567	203.91154	89.67976	314.96286	27.18561	17.16092	39.37036	1.69E-07	0.000117	1.46E-05	5.22E-11	1.58E-10	1.25E-10	0	0	0	0	4.229E-08	4.8605E-08	1.82286E-06	5.33955E-11	0	2.66514E-11	0
532	570710.6	4178599	0.55, 41785	0.68748	0.63563	0.62617	226.5911	101.22552	383.25212	32.37016	22.387	47.90652	2.32E-07	0.000142	1.77E-05	7.16E-11	2.16E-10	1.71E-10	0	0	0	0	5.799E-08	5.9142E-08	2.21807E-06	7.3209E-11	0	3.6541E-11	0
533	570750.6	4178599	0.55, 41785	0.91976	0.89022	0.88415	243.41497	114.05895	499.75889	34.77357	31.00996	69.4997	3.28E-07	0.000185	2.57E-05	1.01E-10	3.05E-10	2.41E-10	0	0	0	0	8.188E-08	7.7121E-08	3.21768E-06	1.0337E-10	0	5.15955E-11	0
534	570790.6	4178599	0.55, 41785	1.20615	1.22781	1.16033	261.32328	130.44037	537.17009	39.31654	39.06207	73.65107	4.3E-07	0.000199	2.73E-05	1.33E-10	4E-10	3.16E-10	0	0	0	0	1.075E-07	8.2894E-08	3.40991E-06	1.35662E-10	0	6.77132E-11	0
535	570830.6	4178599	0.55, 41785	1.86035	2.06593	1.53512	307.79075	158.37727	606.96091	57.33573	51.17396	80.52216	5.69E-07	0.000225	2.98E-05	1.75E-10	5.3E-10	4.19E-10	0	0	0	0	1.422E-07	9.3664E-08	3.72821E-06	1.79495E-10	0	8.95915E-11	0
536	570870.6	4178599	0.55, 41785	2.81953	3.8452	1.88016	429.66876	238.19724	679.18896	77.96533	87.47681	90.64703	6.97E-07	0.000252	3.36E-05	2.15E-10	6.49E-10	5.13E-10	0	0	0	0	1.742E-07	1.0481E-07	4.19717E-06	2.19878E-10	0	1.09748E-10	0
537	570910.6	4178599	0.55, 41785	4.21414	6.38342	2.32175	555.65098	273.48442	945.27353	124.98504	103.73159	124.24769	8.6E-07	0.00035	4.6E-05	2.66E-10	8.02E-10	6.33E-10	0	0	0	0	2.151E-07	1.4587E-07	5.75319E-06	2.7157E-10	0	1.35549E-10	0
538	570950.6	4178599	0.55, 41785	4.59898	4.54538	2.28746	563.80012	195.03038	769.06119	96.52509	58.5202	125.1466	8.48E-07	0.000285	4.64E-05	2.62E-10	7.9E-10	6.24E-10	0	0	0	0	2.119E-07	1.1868E-07	5.79444E-06	2.6751E-10	0	1.33523E-10	0
539	570990.6	4178599	0.55, 41785	3.82228	3.4158	2.10211	387.45867	157.86758	722.29473	74.93195	45.58999	97.36969	7.79E-07	0.000268	3.61E-05	2.4E-10	7.26E-10	5.73E-10	0	0	0	0	1.947E-07	1.1146E-07	4.50833E-06	2.45811E-10	0	1.22692E-10	0
540	571030.6	4178599	0.55, 41785	3.02247	2.69987	1.99871	442.17309	124.03841	776.22539	67.82636	38.72372	97.59907	7.4E-07	0.000287	3.62E-05	2.28E-10	6.9E-10	5.45E-10	0	0	0	0	1.851E-07	1.1978E-07	4.51886E-06	2.33702E-10	0	1.16648E-10	0
541	571070.6	4178599	0.55, 41785	2.43201	2.20804	1.81695	323.32852	105.96293	523.5768	49.87717	32.54487	75.45431	6.73E-07	0.000194	2.79E-05	2.08E-10	6.27E-10	4.95E-10	0	0	0	0	1.683E-07	8.0796E-08	3.49352E-06	2.12442E-10	0	1.06036E-10	0
542	571110.6	4178599	0.55, 41785	1.9361	1.83698	1.53551	285.52756	89.63178	395.42144	42.26506	28.59229	57.87538	5.69E-07	0.000146	2.14E-05	1.76E-10	5.3E-10	4.19E-10	0	0	0	0	1.422E-07	6.102E-08	2.67967E-06	1.79534E-10	0	8.96111E-11	0
543	571150.6	4178599	0.55, 41785	1.58315	1.55537	1.34493	182.41041	88.91432	301.39134	29.75311	25.20352	37.67392	4.98E-07	0.000112	1.4E-05	1.54E-10	4.64E-10	3.67E-10	0	0	0	0	1.246E-07	4.651E-08	1.74436E-06	1.57249E-10	0	7.8488E-11	0
544	571190.6	4178599	0.55, 41785	1.33739	1.33597	1.20735	189.26194	77.8274	237.13522	24.55337	21.99349	31.52399	4.47E-07	8.78E-05	1.17E-05	1.38E-10	4.17E-10	3.29E-10	0	0	0	0	1.118E-07	3.6595E-08	1.4596E-06	1.41161E-10	0	7.04581E-11	0
545	571230.6	4178599	0.55, 41785	1.14183	1.1549	1.07779	177.02423	70.01737	247.02933	25.42204	18.83046	36.19826	3.99E-07	9.15E-05	1.34E-05	1.23E-10	3.72E-10	2.94E-10	0	0	0	0	9.981E-08	3.8121E-08	1.67599E-06	1.26012E-10	0	6.28966E-11	0
546	571270.6	4178599	0.55, 41785	0.97959	1.00523	0.95378	160.46118	68.49541	236.51718	22.92303	16.81937	33.9008	3.53E-07	8.76E-05	1.26E-05	1.09E-10	3.29E-10	2.6E-10	0	0	0	0	8.833E-08	3.6499E-08	1.56961E-06	1.11513E-10	0	5.56595E-11	0
547	571310.6	4178599	0.55, 41785	0.84011	0.87488	0.82502	131.92842	62.86665	193.55215	16.49105	15.16442	24.19402	3.06E-07	7.17E-05	8.96E-06	9.43E-11	2.85E-10	2.25E-10	0	0	0	0	7.64E-08	2.9869E-08	1.12019E-06	9.64585E-11	0	4.81455E-11	0
548	571350.6	4178599	0.55, 41785	0.73896	0.77159	0.73066	149.85158	58.69155	153.82017	22.55392	13.49962	22.49489	2.71E-07	5.7E-05	8.33E-06	8.35E-11	2.52E-10	1.99E-10	0	0	0	0	6.767E-08	2.3738E-08	1.04161E-06	8.54262E-11	0	4.26389E-11	0
549	571390.6	4178599	0.55, 41785	0.661	0.68563	0.66671	168.50279	56.32456	235.09945	24.41155	12.10471	32.40344	2.47E-07	8.71E-05	1.2E-05	7.62E-11	2.3E-10	1.82E-10	0	0	0	0	6.174E-08	3.628E-08	1.50031E-06	7.79488E-11	0	3.89067E-11	0
550	571430.6	4178599	0.55, 41785	0.59511	0.61204	0.61151	136.17098	51.76249	171.68803	20.03651	10.61326	24.28892	2.27E-07	6.36E-05	9E-06	6.99E-11	2.11E-10	1.67E-10	0	0	0	0	5.663E-08	2.6495E-08	1.12462E-06	7.14945E-11	0	3.56852E-11	0
551	571470.6	4178599	0.55, 41785	0.53051	0.54561	0.54811	117.9441	47.17442	154.11151	16.84916	9.40387	22.01593	2.03E-07	5.71E-05	8.15E-06	6.27E-11	1.89E-10	1.49E-10	0	0	0	0	5.076E-08	2.3782E-08	1.01936E-06	6.4082E-11	0	3.19854E-11	0
552	571510.6	4178599	0.55, 41785	0.47218	0.48877	0.48576	120.07824	45.51387	145.12306	16.38718	8.49605	19.65912	1.8E-07	5.37E-05	7.28E-06	5.55E-11	1.68E-10	1.32E-10	0	0	0	0	4.499E-08	2.2395E-08	9.10257E-07	5.67926E-11	0	2.8347E-11	0
553	571550.6	4178599	0.55, 41785	0.42043	0.43954	0.43052	119.99429	43.92883	151.34582	16.43506	7.56489	20.5622	1.59E-07	5.61E-05	7.62E-06	4.92E-11	1.49E-10	1.17E-10	0	0	0	0	3.987E-08	2.3356E-08	9.52063E-07	5.03344E-11	0	2.51235E-11	0
554	571590.6	4178599	0.55, 41785	0.37632	0.39688	0.38556	100.33698	42.40478	116.86516	13.86046	7.00095	16.11187	1.43E-07	4.33E-05	5.97E-06	4.41E-11	1.33E-10	1.05E-10	0	0	0	0	3.571E-08	1.8035E-08	7.46018E-07	4.5078E-11	0	2.24999E-11	0
555	570310.6	4178639	0.55, 41786	0.10356	0.08559	0.09711	83.92303	29.66661	96.15389	10.49038	3.70833	12.01924	3.6E-08	3.56E-05	4.45E-06	1.11E-11	3.35E-11	2.65E-11	0	0	0	0	8.993E-09	1.4838E-08	5.56521E-07	1.13533E-11	0	5.66679E-12	0
556	570350.6	4178639	0.55, 41786	0.1161	0.09716	0.10841	92.63397	32.60646	103.61771	11.57925	4.08084	12.95221	4.02E-08	3.84E-05	4.8E-06	1.24E-11	3.74E-11	2.96E-11	0	0	0	0	1.004E-08	1.599E-08	5.99724E-07	1.26744E-11	0	6.32621E-12	0
557	570390.6	4178639	0.55, 41786	0.13068	0.11086	0.1215	100.54346	34.97331	116.66288	12.56793	4.70976	14.58286	4.5E-08	4.32E-05	5.4E-06	1.39E-11	4.19E-11	3.31E-11	0	0	0	0	1.125E-08	1.8003E-08	6.75221E-07	1.42049E-11	0	7.0901E-12	0
558	570430.6	4178639	0.55, 41786	0.14929	0.12834	0.13819	107.49924	37.52244	130.89362	13.4374	5.36035	16.3617	5.12E-08	4.85E-05	6.06E-06	1.58E-11	4.77E-11	3.77E-11	0	0	0	0	1.28E-08	2.0199E-08	7.57577E-07	1.61562E-11	0	8.06408E-12	0
559	570470.6	4178639	0.55, 41786	0.17443	0.15183	0.16061	116.62505	42.4162	145.19757	14.57813	6.05946	18.1497	5.95E-08	5.38E-05	6.72E-06	1.84E-11	5.54E-11	4.38E-11	0	0	0	0	1.487E-08	2.2407E-08	8.40361E-07	1.87775E-11	0	9.37244E-12	0
560	570510.6	4178639	0.55, 41786	0.20768	0.18277	0.19013	127.00459	48.18252	156.06863	15.87557	6.71257	19.50858	7.04E-08	5.78E-05	7.23E-06	2.17E-11	6.56E-11	5.18E-11	0	0	0	0	1.761E-08	2.4085E-08	9.03282E-07	2.22289E-11	0	1.10951E-11	0
561	570550.6	4178639	0.55, 41786	0.2504	0.22269	0.22841	148.76746	59.99627	172.72318	18.59593	7.58374	21.5904	8.46E-08	6.4E-05	8E-06	2.61E-11	7.88E-11	6.23E-11	0	0	0	0	2.115E-08	2.6655E-08	9.99687E-07	2.67044E-11	0	1.3329E-11	0
562	570590.6	4178639	0.55, 41786	0.30521	0.27478	0.27907	162.38276	69.4472	222.88998	20.29784	10.74133	27.86125	1.03E-07	8.26E-05	1.03E-05	3.19E-11	9.63E-11	7.61E-11	0	0	0	0	2.584E-08	3.4396E-08	1.29E-06	3.26274E-11	0	1.62854E-11	0
563	570630.6	4178639	0.55, 41786	0.37839	0.34592	0.35098	177.15033	78.68271	266.26636	23.7109	14.16715	33.28329	1.3E-07	9.86E-05	1.23E-05	4.01E-11	1.21E-10	9.57E-11	0	0	0	0	3.25E-08	4.109E-08	1.54103E-06	4.10347E-11	0	2.04817E-11	0
564	570670.6	4178639	0.55, 41786	0.47152	0.44129	0.44999	194.04584	86.02037	313.51443	27.72083	17.24466	39.1893	1.67E-07	0.000116	1.45E-05	5.14E-11	1.55E-10	1.23E-10	0	0	0	0	4.167E-08	4.8381E-08	1.81448E-06	5.26103E-11	0	2.62595E-11	0
565	570710.6	4178639	0.55, 41786	0.59058	0.57043	0.57865	207.44684	93.90742	372.29223	29.63526	21.88085	53.1846	2.14E-07	0.000138	1.97E-05	6.61E-11	2E-10	1.58E-10	0	0	0	0	5.359E-08	5.7451E-08	2.46237E-06	6.76525E-11	0	3.37675E-11	0
566	570750.6	4178639	0.55, 41786	0.7421	0.74424	0.7234	219.27007	107.04803	379.32522	31.3243	27.05481	52.15596	2.68E-07	0.00014	1.93E-05	8.27E-11	2.5E-10	1.97E-10	0	0	0	0	6.699E-08	5.8537E-08	2.41477E-06	8.45768E-11	0	4.2215E-11	0
567	570790.6	4178639	0.55, 41786	0.94425	0.97087	0.85006	237.37937	117.94026	412.19598	33.01145	30.70173	55.76703	3.15E-07	0.000153	2.07E-05	9.72E-11	2.93E-10	2.32E-10	0	0	0	0	7.873E-08	6.3609E-08	2.58196E-06	9.93884E-11	0	4.96079E-11	0
568	570830.6	4178639	0.55, 41786	1.23329	1.33292	0.96284	295.25944	130.22679	473.13116	42.69044	39.99654	61.26658	3.57E-07	0.000175	2.27E-05	1.1E-10	3.32E-10	2.63E-10	0	0	0	0	8.918E-08	7.3013E-08	2.83666E-06	1.12582E-10	0	5.61932E-11	0
569	570870.6	4178639	0.55, 41786	1.50989	1.73214	1.20169	317.24906	188.19869	615.93486	58.25942	53.82297	76.99186	4.45E-07	0.000228	2.85E-05	1.37E-10	4.15E-10	3.28E-10	0	0	0	0	1.113E-07	9.505E-08	3.5648E-06	1.40512E-10	0	7.01338E-11	0
570	570910.6	4178639	0.55, 41786	1.78259	1.99297	1.30656	332.58479	179.86407	638.76492	63.94152	52.98497	79.84561	4.84E-07	0.000237	2.96E-05	1.49E-10	4.51E-10	3.56E-10	0	0	0	0	1.21E-07	9.8573E-08	3.69698E-06	1.52778E-10	0	7.62561E-11	0
571	570950.6	4178639	0.55, 41786	1.86524	1.94862	1.2876	326.77204	147.92341	425.10208	57.64661	41.4452	82.66786	4.77E-07	0.000157	3.06E-05	1.47E-10	4.44E-10	3.51E-10	0	0	0	0	1.193E-07	6.5602E-08	3.82755E-06	1.5056E-10	0	7.51495E-11	0
572	570990.6	4178639	0.55, 41786	1.76592	1.78245	1.25006	311.73236	122.31574	573.48464	43.80696	33.57582	91.70195	4.63E-07	0.000212	3.4E-05	1.43E-10	4.31E-10	3.41E-10	0	0	0	0	1.158E-07	8.8497E-08	4.24557E-06	1.46168E-10	0	7.29569E-11	0
573	571030.6	4178639	0.55, 41786	1.5977	1.58915	1.17717	263.38378	106.70114	334.97263	40.88022	26.80487	57.79917	4.36E-07	0.000124	2.14E-05	1.35E-10	4.06E-10	3.21E-10	0	0	0	0	1.09E-07	5.1693E-08	2.67613E-06	1.37642E-10	0	6.87014E-11	0
574	571070.6	4178639	0.55, 41786	1.42629	1.41473	1.18099	323.91584	92.06505	516.79706	44.84431	24.93328	64.76299	4.38E-07	0.000191	2.4E-05	1.35E-10	4.08E-10	3.22E-10	0	0	0	0	1.094E-07	7.9749E-08	2.99854E-06	1.38083E-10	0	6.89215E-11	0
575	571110.6	4178639	0.55, 41786	1.27265	1.25146	1.07066	231.49813	85.11921	353.08688	34.4516	22.95032	48.16161	3.97E-07	0.000131	1.78E-05	1.22E-10	3.7E-10	2.92E-10	0	0	0	0	9.916E-08	5.4487E-08	2.22991E-06	1.25182E-10	0	6.24823E-11	0
576	571150.6	4178639	0.55, 41786	1.10067	1.1079	0.9372	235.36335	78.49538	345.02109	33.92291	20.75102	48.66179	3.47E-07	0.000128	1.8E-05	1.07E-10	3.23E-10	2.56E-10	0	0	0	0	8.68E-08	5.3242E-08	2.25306E-06	1.09578E-10	0	5.46939E-11	0
577	571190.6	4178639	0.55, 41786	0.96404	0.98605	0.85109	150.10185	73.9658	197.92558	22.00887	18.66835	28.93746	3.15E-07	7.33E-05	1.07E-05	9.73E-11	2.94E-10	2.32E-10	0	0	0	0	7.882E-08	3.0544E-08	1.33984E-06	9.95093E-11	0	4.96683E-11	0
578	571230.6	4178639	0.55, 41786	0.85847	0.87787	0.78438	130.71922	65.23747	181.52397	20.98447	16.26127	28.21366	2.91E-07	6.72E-05	1.05E-05	8.97E-11	2.71E-10	2.14E-10	0	0	0	0	7.264E-08	2.8013E-08	1.30632E-06	9.17086E-11	0	4.57747E-11	0
579	571270.6	4178639	0.55, 41786	0.76521	0.78388	0.72231	147.71702	61.52416	210.17535	22.46264	14.29709	35.02922	2.68E-07	7.78E-05	1.3E-05	8.26E-11	2.49E-10	1.97E-10	0	0	0	0	6.689E-08	3.2434E-08	1.62184E-06	8.44506E-11	0	4.2152E-11	0
580	571310.6	4178639	0.55, 41786	0.67814	0.70066	0.65218	136.41117	59.8434	199.34802	17.34958	13.40052	24.9185	2.42E-07	7.38E-05	9.23E-06	7.46E-11	2.25E-10	1.78E-10	0	0	0	0	6.04E-08	3.0763E-08	1.15373E-06	7.6251E-11	0	3.80593E-11	0
581	571350.6	4178639	0.55, 41786	0.60279	0.6273	0.58324	124.67819	56.4143	162.56927	15.58477	12.33978	20.32116	2.16E-07	6.02E-05	7.53E-06	6.67E-11	2.01E-10	1.59E-10	0	0	0	0	5.401E-08	2.5088E-08	9.40894E-07	6.81907E-11	0	3.40362E-11	0
582	571390.6	4178639	0.55, 41786	0.54567	0.56561	0.53406	134.64293	53.30447	146.45838	19.4501	11.04071	20.47738	1.98E-07	5.42E-05	7.59E-06	6.1E-11	1.84E-10	1.46E-10	0	0	0	0	4.946E-08	2.2602E-08	9.48174E-07	6.24405E-11	0	3.1166E-11	0
583	571430.6	4178639	0.55, 41786	0.50035	0.51255	0.49968	147.79016	50.85435	197.85336	20.77571	9.97795	26.64502	1.85E-07	7.33E-05	9.87E-06	5.71E-11	1.72E-10	1.36E-10	0	0	0	0	4.627E-08	3.0532E-08	1.2337E-06	5.84204E-11	0	2.91595E-11	0
584	571470.6	4178639	0.55, 41786	0.45884	0.46513	0.46599	118.76181	47.03177	145.5886	16.94782	8.9119	19.9832	1.73E-07	5.39E-05	7.4E-06	5.33E-11	1.61E-10	1.27E-10	0	0	0	0	4.315E-08	2.2467E-08	9.25266E-07	5.44811E-11	0	2.71932E-11	0
585	571510.6	4178639	0.55, 41786	0.41516	0.4204	0.42431	105.04191	43.02213	132.76114	15.00599	7.61313	18.96588	1.57E-07	4.92E-05	7.03E-06	4.85E-11	1.46E-10	1.16E-10	0	0	0	0	3.929E-08	2.0488E-08	8.78148E-07	4.9608E-11	0	2.47609E-11	0
586	571550.6	4178639	0.55, 41786	0.37489	0.38245	0.3824	101.59712	41.64808	125.74417	13.25702	7.0054	15.71802	1.42E-07	4.66E-05	5.82E-06	4.37E-11	1.32E-10	1.04E-10	0	0	0	0	3.541E-08	1.9405E-08	7.27778E-07	4.47082E-11	0	2.23153E-11	0
587	571590.6	4178639	0.55, 41786	0.33863	0.34937	0.34405	106.83121	40.48294	130.44071	14.45913	6.53587	17.55635	1.27E-07	4.83E-05	6.5E-06	3.93E-11	1.19E-10	9.38E-11	0	0	0	0	3.186E-08	2.013E-08	8.12892E-07	4.02247E-11	0	2.00774E-11	0
588	570310.6	4178679	0.55, 41786	0.10291	0.0869	0.09701	88.39628	30.98258	103.31105	11.04953	4.21243	12.91388	3.59E-08	3.83E-05	4.78E-06	1.11E-11	3.35E-11	2.64E-11	0	0	0	0	8.984E-09	1.5943E-08	5.97942E-07	1.13416E-11	0	5.66097E-12	0
589	570350.6	4178679	0.55, 41786	0.11574	0.09888	0.10892	93.23081	33.32166	112.3331	11.65385	4.76024	14.04164	4.03E-08	4.16E-05	5.2E-06	1.25E-11	3.76E-11	2.97E-11	0	0	0	0	1.009E-08	1.7335E-08	6.50156E-07	1.27341E-11	0	6.35599E-12	0
590	570390.6	4178679	0.55, 41786	0.13137	0.11361	0.12342	99.39798	36.831	119.21549	12.42475	5.26157	14.90194	4.57E-08	4.42E-05	5.52E-06	1.41E-11	4.26E-11	3.36E-11	0	0	0	0	1.143E-08	1.8397E-08	6.8999E-07	1.44294E-11	0	7.20216E-12	0
591	570430.6	4178679	0.55, 41786	0.15074	0.13191	0.14135	105.99103	39.73692	126.723	13.24888	5.6767	15.84037	5.24E-08	4.69E-05	5.87E-06	1.62E-11	4.88E-11	3.85E-11	0	0	0	0	1.309E-08	1.9556E-08	7.33442E-07	1.65257E-11	0	8.24849E-12	0
592	570470.6	4178679	0.55, 41786	0.17494	0.15487	0.16378	121.69462	47.75873	135.7735	15.21183	5.96984	16.97169	6.07E-08	5.03E-05	6.29E-06	1.87E-11	5.65E-11	4.47E-11	0	0	0	0	1.517E-08	2.0953E-08	7.85837E-07	1.91481E-11	0	9.55742E-12	0
593	570510.6	4178679	0.55, 41786	0.2057	0.18414	0.19253	135.37794	56.46386	170.3708	16.92224	7.12807	21.29635	7.13E-08	6.31E-05	7.89E-06	2.2E-11	6.64E-11	5.25E-11	0	0	0	0	1.783E-08	2.6292E-08	9.86054E-07	2.25094E-11	0	1.12352E-11	0
594	570550.6	4178679	0.55, 41786	0.2434	0.22078	0.22908	142.10791	62.60325	200.29273	17.76349	9.55219	25.03659	8.49E-08	7.42E-05	9.27E-06	2.62E-11	7.91E-11	6.25E-11	0	0	0	0	2.121E-08	3.0909E-08	1.15921E-06	2.67826E-11	0	1.33681E-11	0
595	570590.6	4178679	0.55, 41786	0.29132	0.2684	0.27784	157.44437	70.02377	210.9671	21.20731	12.01595	26.37089	1.03E-07	7.81E-05	9.77E-06	3.18E-11	9.59E-11	7.57E-11	0	0	0	0	2.573E-08	3.2557E-08	1.22102E-06	3.24834E-11	0	1.62135E-11	0
596	570630.6	4178679	0.55, 41786	0.34871	0.32823	0.33909	170.78411	74.6949	263.98396	24.39773	14.09383	33.40233	1.26E-07	9.78E-05	1.24E-05	3.88E-11	1.17E-10	9.24E-11	0	0	0	0	3.14E-08	4.0738E-08	1.54655E-06	3.96444E-11	0	1.97878E-11	0
597	570670.6	4178679	0.55, 41786	0.41782	0.40379	0.41108	181.29369	80.27492	295.25985	25.8991	15.99045	42.12286	1.52E-07	0.000109	1.56E-05	4.7E-11	1.42E-10	1.12E-10	0	0	0	0	3.807E-08	4.5564E-08	1.95026E-06	4.80611E-11	0	2.39889E-11	0
598	570710.6	4178679	0.55, 41786	0.49876	0.49687	0.48618	185.88712	90.92914	287.65142	26.5553	19.21501	39.31628	1.8E-07	0.000107	1.46E-05	5.56E-11	1.68E-10	1.33E-10	0	0	0	0	4.502E-08	4.439E-08	1.82034E-06	5.6842E-11	0	2.83716E-11	0
599	570750.6	4178679	0.55, 41786	0.59336	0.60818	0.55751	195.07014	97.11431	330.72411	27.40212	20.89244	45.57898	2.07E-07	0.000122	1.69E-05	6.37E-11	1.92E-10	1.52E-10	0	0	0	0	5.163E-08	5.1037E-08	2.11026E-06	6.51827E-11	0	3.25348E-11	0
600	570790.6	4178679	0.55, 41786	0.71288	0.74367	0.61675	232.56486	100.08812	327.08033	29.70634	25.09865	40.88504	2.28E-07	0.000121	1.51E-05	7.05E-11	2.13E-10	1.68E-10	0	0	0	0	5.712E-08	5.0475E-08	1.893E-06	7.21112E-11	0	3.5993E-11	0
601	570830.6	4178679	0.55, 41786	0.82835	0.8948	0.66469	250.25968	113.32691	367.70207	36.36599	33.16876	46.21837	2.46E-07	0.000136	1.71E-05	7.6E-11	2.29E-10	1.81E-10	0	0	0	0	6.156E-08	5.6744E-08	2.13998E-06	7.77193E-11	0	3.87922E-11	0
602	570870.6	4178679	0.55, 41786	0.92801	1.04065	0.83445	269.45277	158.88347	492.55659	39.41339	35.15016	62.53118	3.09E-07	0.000182	2.32E-05	9.54E-11	2.88E-10	2.28E-10	0	0	0	0	7.728E-08	7.6011E-08	2.89516E-06	9.75658E-11	0	4.86982E-11	0
603	570910.6	4178679	0.55, 41786	1.03394	1.13081	0.83809	259.70616	144.94226	471.11442	42.20689	35.5523	58.8893	3.1E-07	0.000174	2.18E-05	9.58E-11	2.89E-10	2.29E-10	0	0	0	0	7.762E-08	7.2702E-08	2.72661E-06	9.79942E-11	0	4.8912E-11	0
604	570950.6	4178679	0.55, 41786	1.05684	1.13643	0.82319	242.80014	123.49716	418.67106	39.92153	30.15323	58.18912	3.05E-07	0.000155	2.16E-05	9.41E-11	2.84E-10	2.24E-10	0	0	0	0	7.624E-08	6.4609E-08	2.69417E-06	9.62529E-11	0	4.80429E-11	0
605	570990.6	4178679	0.55, 41786	1.01802	1.09421	0.82722	255.86386	105.93706	407.98363	37.15781	26.85338	67.99727	3.06E-07	0.000151	2.52E-05	9.46E-11	2.86E-10	2.26E-10	0	0	0	0	7.661E-08	6.2959E-08	3.14816E-06	9.67226E-11	0	4.82773E-11	0
606	571030.6	4178679	0.55, 41786	0.98373	1.03259	0.8073	224.24787	96.85684	406.17161	32.03518	21.71644	50.77145	2.99E-07	0.00015	1.88E-05	9.23E-11	2.79E-10	2.2E-10	0	0	0	0	7.477E-08	6.2679E-08	2.35069E-06	9.43924E-11	0	4.71142E-11	0
607	571070.6	4178679	0.55, 41786	0.92088	0.95493	0.77727	234.21131	81.25508	306.97474	29.84103	18.74017	38.37184	2.88E-07	0.000114	1.42E-05	8.89E-11	2.68E-10	2.12E-10	0	0	0	0	7.199E-08	4.7372E-08	1.77667E-06	9.08799E-11	0	4.53611E-11	0
608	571110.6	4178679	0.55, 41786	0.85296	0.87816	0.75636	249.82687	76.90023	376.11255	32.83771	18.41049	47.06858	2.8E-07	0.000139	1.74E-05	8.65E-11	2.61E-10	2.06E-10	0	0	0	0	7.005E-08	5.804E-08	2.17929E-06	8.84335E-11	0	4.414E-11	0
609	571150.6	4178679	0.55, 41786	0.78449	0.80428	0.7091	184.12399	71.8753	265.86204	26.94504	17.68151	37.98029	2.63E-07	9.85E-05	1.41E-05	8.11E-11	2.45E-10	1.93E-10	0	0	0	0	6.567E-08	4.1027E-08	1.7585E-06	8.29073E-11	0	4.13817E-11	0
610	571190.6	4178679	0.55, 41786	0.70872	0.73542	0.64227	192.12547	69.23049	267.93218	27.25383	16.04767	37.1098	2.38E-07	9.92E-05	1.37E-05	7.34E-11	2.22E-10	1.75E-10	0	0	0	0	5.948E-08	4.1347E-08	1.71821E-06	7.50938E-11	0	3.74817E-11	0
611	571230.6	4178679	0.55, 41786	0.64141	0.6715	0.58509	152.95792	62.82263	210.7281	21.78847	14.44714	29.62503	2.17E-07	7.8E-05	1.1E-05	6.69E-11	2.02E-10	1.6E-10	0	0	0	0	5.419E-08	3.2519E-08	1.37166E-06	6.84083E-11	0	3.41448E-11	0
612	571270.6	4178679	0.55, 41786	0.5854	0.61191	0.54631	124.65244	57.66905	171.62004	20.54509	12.75642	28.60334	2.02E-07	6.36E-05	1.06E-05	6.24E-11	1.89E-10	1.49E-10	0	0	0	0	5.059E-08	2.6485E-08	1.32435E-06	6.38737E-11	0	3.18814E-11	0
613	571310.6	4178679	0.55, 41786	0.53447	0.5582	0.50849	125.80787	55.1913	171.33448	17.97255	11.70277	24.47635	1.88E-07	6.35E-05	9.07E-06	5.81E-11	1.76E-10	1.39E-10	0	0	0	0	4.709E-08	2.644E-08	1.13327E-06	5.94515E-11	0	2.96742E-11	0
614	571350.6	4178679	0.55, 41786	0.48504	0.50906	0.46427	111.39997	53.56601	157.83086	13.925	11.19981	19.72886	1.72E-07	5.85E-05	7.31E-06	5.31E-11	1.6E-10	1.27E-10	0	0	0	0	4.3E-08	2.4357E-08	9.13454E-07	5.42814E-11	0	2.70936E-11	0
615	571390.6	4178679	0.55, 41786	0.44312	0.4655	0.42576	107.51836	51.27371	117.14548	13.43979	10.40254	14.64318	1.58E-07	4.34E-05	5.42E-06	4.87E-11	1.47E-10	1.16E-10	0	0	0	0	3.943E-08	1.8079E-08	6.78025E-07	4.97788E-11	0	2.48462E-11	0
616	571430.6	4178679	0.55, 41786	0.41031	0.42684	0.39928	122.12368	48.88835	136.65658	17.23844	9.36082	18.91196	1.48E-07	5.06E-05	7.01E-06	4.56E-11	1.38E-10	1.09E-10	0	0	0	0	3.698E-08	2.1089E-08	8.75681E-07	4.66826E-11	0	2.33008E-11	0
617	571470.6	4178679	0.55, 41786	0.38401	0.39267	0.38101	130.83453	46.56818	169.29762	18.03085	8.50414	22.62935	1.41E-07	6.27E-05	8.38E-06	4.36E-11	1.32E-10	1.04E-10	0	0	0	0	3.528E-08	2.6126E-08	1.04777E-06	4.4546E-11	0	2.22344E-11	0
618	571510.6	4178679	0.55, 41786	0.35733	0.36026	0.36021	104.69184	43.30646	125.50481	14.57371	7.68103	16.95061	1.33E-07	4.65E-05	6.28E-06	4.12E-11	1.24E-10	9.82E-11	0	0	0	0	3.336E-08	1.9368E-08	7.84853E-07	4.21139E-11	0	2.10204E-11	0
619	571550.6	4178679	0.55, 41786	0.32923	0.33046	0.33426	93.91251	40.06683	115.0705	13.41607	6.60436	16.43864	1.24E-07	4.26E-05	6.09E-06	3.82E-11	1.15E-10	9.11E-11	0	0	0	0	3.096E-08	1.7758E-08	7.61139E-07	3.90798E-11	0	1.9506E-11	0
620	571590.6	4178679	0.55, 41786	0.30119	0.30402	0.3057	90.51235	37.8645	108.48539	11.49242	5.95997	13.56067	1.13E-07	4.02E-05	5.02E-06	3.49E-11	1.06E-10	8.33E-11	0	0	0	0	2.831E-08	1.6742E-08	6.27889E-07	3.57408E-11	0	1.78394E-11	0
621	570310.6	4178719	0.55, 41787	0.10285	0.08839	0.09803	86.08959	31.99227	98.88317	10.7612	4.57032	12.3604	3.63E-08	3.66E-05	4.58E-06	1.12E-11	3.38E-11	2.67E-11	0	0	0	0	9.078E-09	1.526E-08	5.72317E-07	1.14609E-11	0	5.7205E-12	0
622	570350.6	4178719	0.55, 41787	0.11563	0.10049	0.11012	90.6137	34.18211	105.82439	11.32671	4.88316	13.22805	4.08E-08	3.92E-05	4.9E-06	1.26E-11	3.8E-11	3E-11	0	0	0	0	1.02E-08	1.6331E-08	6.12489E-07	1.28744E-11	0	6.42602E-12	0
623	570390.6	4178719	0.55, 41787	0.13114	0.11521	0.12472	102.01088	38.97546	110.90458	12.75136	5.08393	13.86307	4.62E-08	4.11E-05	5.14E-06	1.43E-11	4.3E-11	3.4E-11	0	0	0	0	1.155E-08	1.7115E-08	6.41903E-07	1.45814E-11	0	7.27802E-12	0
624	570430.6	4178719	0.55, 41787	0.15	0.13322	0.1425	114.28488	46.41789	135.81295	14.28561	5.80224	16.97662	5.28E-08	5.03E-05	6.29E-06	1.63E-11	4.92E-11	3.88E-11	0	0	0	0	1.32E-08	2.0959E-08	7.86054E-07	1.66601E-11	0	8.31559E-12	0
625	570470.6	4178719	0.55, 41787	0.17238	0.1553	0.16447	122.16306	52.59309	158.80652	15.27038	6.67803	19.85082	6.09E-08	5.88E-05	7.35E-06	1.88E-11	5.68E-11	4.48E-11	0	0	0	0	1.523E-08	2.4507E-08	9.19117E-07	1.92287E-11	0	9.59768E-12	0
626	570510.6	4178719	0.55, 41787	0.1999	0.18201	0.19124	126.87173	56.8638	170.00598	15.85897	8.56143	21.25075	7.08E-08	6.3E-05	7.87E-06	2.19E-11	6.6E-11	5.21E-11	0	0	0	0	1.771E-08	2.6235E-08	9.83929E-07	2.23585E-11	0	1.11599E-11	0
627	570550.6	4178719	0.55, 41787	0.2328	0.21534	0.22528	141.7684	62.68438	190.3461	19.27806	10.36338	23.79326	8.35E-08	7.05E-05	8.81E-06	2.58E-11	7.78E-11	6.14E-11	0	0	0	0	2.086E-08	2.9374E-08	1.10167E-06	2.63383E-11	0	1.31463E-11	0
628	570590.6	4178719	0.55, 41787	0.2704	0.25529	0.2651	152.6333	65.86327	220.26265	21.80476	11.76563	29.62209	9.82E-08	8.16E-05	1.1E-05	3.03E-11	9.15E-11	7.23E-11	0	0	0	0	2.455E-08	3.3991E-08	1.37153E-06	3.09938E-11	0	1.547E-11	0
629	570630.6	4178719	0.55, 41787	0.31352	0.30328	0.30884	160.25221	70.5161	243.59554	22.89317	12.52474	34.32359	1.14E-07	9.02E-05	1.27E-05	3.53E-11	1.07E-10	8.42E-11	0	0	0	0	2.86E-08	3.7591E-08	1.58918E-06	3.61078E-11	0	1.80226E-11	0
630	570670.6	4178719	0.55, 41787	0.36149	0.3594	0.35242	159.13882	79.23774	228.99362	22.73412	14.05012	31.24302	1.31E-07	8.48E-05	1.16E-05	4.03E-11	1.22E-10	9.61E-11	0	0	0	0	3.264E-08	3.5339E-08	1.44657E-06	4.12033E-11	0	2.05659E-11	0
631	570710.6	4178719	0.55, 41787	0.41184	0.42167	0.39325	168.39934	82.78202	268.08178	23.84947	15.22445	37.49142	1.46E-07	9.93E-05	1.39E-05	4.5E-11	1.36E-10	1.07E-10	0	0	0	0	3.642E-08	4.137E-08	1.73583E-06	4.59776E-11	0	2.29489E-11	0
632	570750.6	4178719	0.55, 41787	0.46631	0.48852	0.43046	193.26616	81.97611	266.60906	24.83922	16.78199	33.32613	1.59E-07	9.87E-05	1.23E-05	4.92E-11	1.49E-10	1.17E-10	0	0	0	0	3.987E-08	4.1143E-08	1.54303E-06	5.03289E-11	0	2.51208E-11	0
633	570790.6	4178719	0.55, 41787	0.5297	0.5627	0.45402	208.56721	92.88706	267.98327	26.09236	23.00092	33.50993	1.68E-07	9.93E-05	1.24E-05	5.19E-11	1.57E-10	1.24E-10	0	0	0	0	4.205E-08	4.1356E-08	1.55155E-06	5.3085E-11	0	2.64964E-11	0
634	570830.6	4178719	0.55, 41787	0.58417	0.63922	0.49731	206.25232	102.59816	258.13483	28.9378	25.69667	32.26685	1.84E-07	9.56E-05	1.2E-05	5.69E-11	1.72E-10	1.36E-10	0	0	0	0	4.606E-08	3.9836E-08	1.49405E-06	5.81473E-11	0	2.90232E-11	0
635	570870.6	4178719	0.55, 41787	0.63384	0.71183	0.60618	208.40577	136.85909	408.7133	28.70976	24.7437	51.08916	2.25E-07	0.000151	1.89E-05	6.93E-11	2.09E-10	1.65E-10	0	0	0	0	5.614E-08	6.3073E-08	2.36536E-06	7.08745E-11	0	3.53757E-11	0
636	570910.6	4178719	0.55, 41787	0.68401	0.75343	0.58123	211.07044	124.31957	366.90455	30.70854	25.49482	45.86307	2.15E-07	0.000136	1.7E-05	6.64E-11	2.01E-10	1.58E-10	0	0	0	0	5.383E-08	5.6621E-08	2.12346E-06	6.79597E-11	0	3.39208E-11	0
637	570950.6	4178719	0.55, 41787	0.69007	0.76497	0.57081	207.10313	108.18225	376.87466	30.79195	24.65468	47.10933	2.11E-07	0.00014	1.74E-05	6.53E-11	1.97E-10	1.56E-10	0	0	0	0	5.287E-08	5.8159E-08	2.18115E-06	6.67421E-11	0	3.33131E-11	0
638	570990.6	4178719	0.55, 41787	0.68048	0.74999	0.58632	206.58356	95.47159	294.44278	32.17827	21.60129	36.80535	2.17E-07	0.000109	1.36E-05	6.7E-11	2.02E-10	1.6E-10	0	0	0	0	5.43E-08	4.5438E-08	1.70418E-06	6.85545E-11	0	3.42177E-11	0
639	571030.6	4178719	0.55, 41787	0.66194	0.72353	0.59736	210.3532	86.11281	328.15995	30.372	18.42489	51.15716	2.21E-07	0.000122	1.89E-05	6.83E-11	2.06E-10	1.63E-10	0	0	0	0	5.532E-08	5.0641E-08	2.36852E-06	6.98441E-11	0	3.48614E-11	0
640	571070.6	4178719	0.55, 41787	0.64029	0.68839	0.56269	181.70859	76.31707	252.84162	22.73215	15.52213	31.6052	2.08E-07	9.36E-05	1.17E-05	6.43E-11	1.94E-10	1.53E-10	0	0	0	0	5.211E-08	3.9018E-08	1.46334E-06	6.57907E-11	0	3.28382E-11	0
641	571110.6	4178719	0.55, 41787	0.60626	0.64543	0.53034	207.95149	70.27092	268.27126	26.16426	14.32632	33.53391	1.96E-07	9.94E-05	1.24E-05	6.06E-11	1.83E-10	1.45E-10	0	0	0	0	4.912E-08	4.1399E-08	1.55267E-06	6.20082E-11	0	3.09502E-11	0
642	571150.6	4178719	0.55, 41787	0.57256	0.60327	0.52806	200.64391	66.12781	289.68563	25.68735	14.52342	36.23202	1.96E-07	0.000107	1.34E-05	6.04E-11	1.82E-10	1.44E-10	0	0	0	0	4.89E-08	4.4703E-08	1.67756E-06	6.17403E-11	0	3.08166E-11	0
643	571190.6	4178719	0.55, 41787	0.53842	0.56251	0.50995	154.3512	63.9477	213.38711	22.19645	14.00077	30.48387	1.89E-07	7.9E-05	1.13E-05	5.83E-11	1.76E-10	1.39E-10	0	0	0	0	4.723E-08	3.293E-08	1.41142E-06	5.96223E-11	0	2.97594E-11	0
644	571230.6	4178719	0.55, 41787	0.49735	0.52247	0.4676	159.72675	60.41971	199.28282	22.34048	12.75874	27.30767	1.73E-07	7.38E-05	1.01E-05	5.35E-11	1.61E-10	1.27E-10	0	0	0	0	4.33E-08	3.0753E-08	1.2644E-06	5.4671E-11	0	2.72881E-11	0
645	571270.6	4178719	0.55, 41787	0.45612	0.4836	0.42898	144.14128	55.22387	195.55309	20.17616	11.51496	26.9261	1.59E-07	7.24E-05	9.97E-06	4.9E-11	1.48E-10	1.17E-10	0	0	0	0	3.973E-08	3.0177E-08	1.2467E-06	5.01558E-11	0	2.50343E-11	0
646	571310.6	4178719	0.55, 41787	0.42006	0.44717	0.39945	118.44349	52.26024	154.81704	17.97136	10.56882	25.80284	1.48E-07	5.73E-05	9.56E-06	4.57E-11	1.38E-10	1.09E-10	0	0	0	0	3.699E-08	2.3892E-08	1.19468E-06	4.67031E-11	0	2.3311E-11	0
647	571350.6	4178719	0.55, 41787	0.38785	0.41385	0.37184	109.17018	50.24459	147.83356	14.07795	10.0186	18.4792	1.38E-07	5.48E-05	6.84E-06	4.25E-11	1.28E-10	1.01E-10	0	0	0	0	3.444E-08	2.2814E-08	8.55608E-07	4.34749E-11	0	2.16997E-11	0
648	571390.6	4178719	0.55, 41787	0.35875	0.38356	0.34391	87.70597	48.80309	113.13015	10.96325	9.64341	14.14127	1.27E-07	4.19E-05	5.24E-06	3.93E-11	1.19E-10	9.38E-11	0	0	0	0	3.185E-08	1.7459E-08	6.54759E-07	4.02094E-11	0	2.00698E-11	0
649	571430.6	4178719	0.55, 41787	0.33385	0.35563	0.32061	80.9107	47.09106	69.47289	11.59229	8.99084	10.76512	1.19E-07	2.57E-05	3.99E-06	3.66E-11	1.11E-10	8.74E-11	0	0	0	0	2.969E-08	1.0722E-08	4.9848E-07	3.74851E-11	0	1.871E-11	0
650	571470.6	4178719	0.55, 41787	0.31507	0.33052	0.30587	111.40642	45.19171	126.48359	15.57659	8.16367	17.53078	1.13E-07	4.68E-05	6.49E-06	3.5E-11	1.06E-10	8.34E-11	0	0	0	0	2.833E-08	1.9519E-08	8.11723E-07	3.57615E-11	0	1.78497E-11	0
651	571510.6	4178719	0.55, 41787	0.29891	0.30701	0.29518	116.70467	43.07153	146.87884	15.95519	7.46065	19.6972	1.09E-07	5.44E-05	7.3E-06	3.37E-11	1.02E-10	8.05E-11	0	0	0	0	2.734E-08	2.2666E-08	9.12014E-07	3.45113E-11	0	1.72257E-11	0
652	571550.6	4178719	0.55, 41787	0.28299	0.28542	0.28355	93.20798	40.2806	109.70993	12.81909	6.80365	14.78577	1.05E-07	4.06E-05	5.48E-06	3.24E-11	9.79E-11	7.73E-11	0	0	0	0	2.626E-08	1.6931E-08	6.84617E-07	3.31512E-11	0	1.65468E-11	0
653	571590.6	4178719	0.55, 41787	0.2649	0.26495	0.26753	84.18961	37.57199	100.50298	12.02709	5.93847	14.35757	9.91E-08	3.72E-05	5.32E-06	3.06E-11	9.23E-11	7.29E-11	0	0	0	0	2.478E-08	1.551E-08	6.64785E-07	3.12781E-11	0	1.56119E-11	0
654	570310.6	4178759	0.55, 41787	0.10291	0.08971	0.0989	86.89901	32.22927	93.76167	10.86238	4.40505	11.72021	3.66E-08	3.47E-05	4.34E-06	1.13E-11	3.41E-11	2.7E-11	0	0	0	0	9.159E-09	1.4469E-08	5.42683E-07	1.15626E-11	0	5.77127E-12	0
655	570350.6	4178759	0.55, 41787	0.11544	0.10167	0.11074	97.89636	38.6449	111.66772	12.23704	4.83061	13.95846	4.1E-08	4.14E-05	5.17E-06	1.27E-11	3.82E-11	3.02E-11	0	0	0	0	1.026E-08	1.7233E-08	6.46313E-07	1.29469E-11	0	6.46221E-12	0
656	570390.6	4178759	0.55, 41787	0.13027	0.11595	0.12485	105.67733	44.34348	129.76492	13.20967	5.54293	16.22061	4.62E-08	4.81E-05	6.01E-06	1.43E-11	4.31E-11	3.4E-11	0	0	0	0	1.156E-08	2.0025E-08	7.51043E-07	1.45966E-11	0	7.28562E-12	0
657	570430.6	4178759	0.55, 41787	0.14773	0.133	0.14184	109.21499	48.49986	141.11126	13.65187	6.24447	17.63891	5.25E-08	5.23E-05	6.53E-06	1.62E-11	4.9E-11	3.87E-11	0	0	0	0	1.314E-08	2.1776E-08	8.16704E-07	1.6583E-11	0	8.27708E-12	0
658	570470.6	4178759	0.55, 41787	0.16767	0.15301	0.16202	117.79795	52.53636	140.35154	14.72474	7.71399	17.54394	6E-08	5.2E-05	6.5E-06	1.85E-11	5.59E-11	4.42E-11	0	0	0	0	1.5E-08	2.1659E-08	8.12321E-07	1.89423E-11	0	9.4547E-12	0
659	570510.6	4178759	0.55, 41787	0.191	0.17712	0.1864	128.29828	56.17436	171.94141	17.6792	9.03197	21.49268	6.9E-08	6.37E-05	7.96E-06	2.13E-11	6.43E-11	5.08E-11	0	0	0	0	1.726E-08	2.6534E-08	9.95152E-07	2.17927E-11	0	1.08774E-11	0
660	570550.6	4178759	0.55, 41787	0.21672	0.20498	0.21341	137.63049	58.52483	184.29573	19.6615	9.95092	26.17497	7.91E-08	6.83E-05	9.7E-06	2.44E-11	7.37E-11	5.82E-11	0	0	0	0	1.976E-08	2.8441E-08	1.21193E-06	2.49506E-11	0	1.24536E-11	0
661	570590.6	4178759	0.55, 41787	0.24504	0.23724	0.24166	142.23889	62.68425	205.21483	20.31984	10.25836	28.57469	8.95E-08	7.6E-05	1.06E-05	2.76E-11	8.34E-11	6.59E-11	0	0	0	0	2.238E-08	3.1669E-08	1.32302E-06	2.82535E-11	0	1.41022E-11	0
662	570630.6	4178759	0.55, 41787	0.27554	0.27375	0.26892	139.19636	70.02218	188.40794	19.61007	11.07526	25.7042	9.96E-08	6.98E-05	9.52E-06	3.07E-11	9.28E-11	7.33E-11	0	0	0	0	2.49E-08	2.9076E-08	1.19013E-06	3.14409E-11	0	1.56931E-11	0
663	570670.6	4178759	0.55, 41787	0.30614	0.31293	0.29402	149.31547	72.47289	221.2081	21.10931	12.07881	31.37185	1.09E-07	8.19E-05	1.16E-05	3.36E-11	1.01E-10	8.02E-11	0	0	0	0	2.723E-08	3.4137E-08	1.45252E-06	3.43759E-11	0	1.71581E-11	0
664	570710.6	4178759	0.55, 41787	0.33494	0.35231	0.31792	164.794	71.08708	213.69891	21.55176	13.08376	26.71236	1.18E-07	7.91E-05	9.89E-06	3.63E-11	1.1E-10	8.67E-11	0	0	0	0	2.944E-08	3.2978E-08	1.23683E-06	3.71706E-11	0	1.8553E-11	0
665	570750.6	4178759	0.55, 41787	0.36674	0.3924	0.33661	179.38877	78.60477	216.64393	22.4236	16.36841	27.08049	1.25E-07	8.02E-05	1E-05	3.85E-11	1.16E-10	9.18E-11	0	0	0	0	3.117E-08	3.3433E-08	1.25388E-06	3.93564E-11	0	1.9644E-11	0
666	570790.6	4178759	0.55, 41787	0.40357	0.43625	0.34677	166.36606	82.34558	242.62848	21.7564	19.87746	30.35713	1.28E-07	8.99E-05	1.12E-05	3.96E-11	1.2E-10	9.45E-11	0	0	0	0	3.212E-08	3.7443E-08	1.40555E-06	4.05453E-11	0	2.02375E-11	0
667	570830.6	4178759	0.55, 41787	0.43354	0.48203	0.39259	188.6599	98.62945	246.30784	24.95504	19.43466	30.78848	1.45E-07	9.12E-05	1.14E-05	4.49E-11	1.36E-10	1.07E-10	0	0	0	0	3.636E-08	3.8011E-08	1.42556E-06	4.59023E-11	0	2.29113E-11	0
668	570870.6	4178759	0.55, 41787	0.46387	0.52331	0.45582	172.12292	120.25167	329.63715	21.51536	18.67269	41.20464	1.69E-07	0.000122	1.53E-05	5.21E-11	1.57E-10	1.24E-10	0	0	0	0	4.221E-08	5.087E-08	1.9077E-06	5.32941E-11	0	2.66008E-11	0
669	570910.6	4178759	0.55, 41787	0.49085	0.54778	0.42691	176.15826	108.72169	296.15879	23.43896	19.655	37.01985	1.58E-07	0.00011	1.37E-05	4.88E-11	1.47E-10	1.16E-10	0	0	0	0	3.954E-08	4.5704E-08	1.714E-06	4.99158E-11	0	2.49146E-11	0
670	570950.6	4178759	0.55, 41787	0.48762	0.55475	0.41816	180.46301	97.04885	324.78811	24.36206	20.46933	40.59851	1.55E-07	0.00012	1.5E-05	4.78E-11	1.44E-10	1.14E-10	0	0	0	0	3.873E-08	5.0121E-08	1.87967E-06	4.88932E-11	0	2.44042E-11	0
671	570990.6	4178759	0.55, 41787	0.49051	0.55159	0.43765	151.23194	87.28492	222.11928	25.20532	17.38113	28.62893	1.62E-07	8.23E-05	1.06E-05	5E-11	1.51E-10	1.19E-10	0	0	0	0	4.053E-08	3.4278E-08	1.32559E-06	5.11712E-11	0	2.55412E-11	0
672	571030.6	4178759	0.55, 41787	0.48428	0.53663	0.45626	187.58168	78.86438	272.43541	28.06386	15.68835	45.4059	1.69E-07	0.000101	1.68E-05	5.22E-11	1.57E-10	1.24E-10	0	0	0	0	4.226E-08	4.2042E-08	2.10226E-06	5.33459E-11	0	2.66267E-11	0
673	571070.6	4178759	0.55, 41787	0.467	0.51625	0.43604	163.79974	72.83551	258.94072	22.54296	13.46245	32.36759	1.62E-07	9.59E-05	1.2E-05	4.98E-11	1.51E-10	1.19E-10	0	0	0	0	4.038E-08	3.9959E-08	1.49863E-06	5.09819E-11	0	2.54467E-11	0
674	571110.6	4178759	0.55, 41787	0.44755	0.4933	0.39624	157.0432	65.36033	149.25903	19.63651	11.35189	22.10234	1.47E-07	5.53E-05	8.19E-06	4.53E-11	1.37E-10	1.08E-10	0	0	0	0	3.67E-08	2.3035E-08	1.0234E-06	4.63293E-11	0	2.31244E-11	0
675	571150.6	4178759	0.55, 41787	0.4302	0.46818	0.38775	183.98767	62.14189	232.46693	23.05685	11.54043	29.05837	1.44E-07	8.61E-05	1.08E-05	4.43E-11	1.34E-10	1.06E-10	0	0	0	0	3.591E-08	3.5874E-08	1.34545E-06	4.53362E-11	0	2.26287E-11	0
676	571190.6	4178759	0.55, 41787	0.41561	0.44245	0.39452	166.33485	59.4631	232.20811	21.02615	11.70076	29.03347	1.46E-07	8.6E-05	1.08E-05	4.51E-11	1.36E-10	1.08E-10	0	0	0	0	3.654E-08	3.5834E-08	1.34427E-06	4.61267E-11	0	2.30233E-11	0
677	571230.6	4178759	0.55, 41787	0.39577	0.41616	0.38297	133.04594	57.55284	174.38403	19.00656	11.25795	24.912	1.42E-07	6.46E-05	9.23E-06	4.38E-11	1.32E-10	1.04E-10	0	0	0	0	3.547E-08	2.6911E-08	1.15345E-06	4.47759E-11	0	2.23491E-11	0
678	571270.6	4178759	0.55, 41787	0.36933	0.38979	0.3568	133.93343	52.76944	163.09994	18.49966	10.32502	20.38749	1.32E-07	6.04E-05	7.55E-06	4.08E-11	1.23E-10	9.73E-11	0	0	0	0	3.304E-08	2.517E-08	9.44001E-07	4.17162E-11	0	2.08219E-11	0
679	571310.6	4178759	0.55, 41787	0.3411	0.36413	0.32902	131.1619	50.25063	168.23883	18.11843	9.56125	22.87944	1.22E-07	6.23E-05	8.47E-06	3.76E-11	1.14E-10	8.97E-11	0	0	0	0	3.047E-08	2.5963E-08	1.05935E-06	3.84684E-11	0	1.92008E-11	0
680	571350.6	4178759	0.55, 41787	0.31543	0.34037	0.30452	103.20737	47.94128	136.71003	14.62528	9.08266	18.8743	1.13E-07	5.06E-05	6.99E-06	3.48E-11	1.05E-10	8.3E-11	0	0	0	0	2.82E-08	2.1097E-08	8.73904E-07	3.5604E-11	0	1.77711E-11	0
681	571390.6	4178759	0.55, 41787	0.29206	0.31801	0.28181	95.20975	46.26011	128.00267	11.90122	8.7596	16.00033	1.04E-07	4.74E-05	5.93E-06	3.22E-11	9.73E-11	7.68E-11	0	0	0	0	2.61E-08	1.9754E-08	7.40829E-07	3.29488E-11	0	1.64458E-11	0
682	571430.6	4178759	0.55, 41787	0.27184	0.29676	0.26169	65.82255	44.97926	77.28464	8.48847	8.42183	11.06277	9.69E-08	2.86E-05	4.1E-06	2.99E-11	9.03E-11	7.13E-11	0	0	0	0	2.424E-08	1.1927E-08	5.12219E-07	3.05965E-11	0	1.52717E-11	0
683	571470.6	4178759	0.55, 41787	0.25781	0.27877	0.24855	74.19853	43.62462	66.74746	10.92817	7.8818	10.16339	9.21E-08	2.47E-05	3.76E-06	2.84E-11	8.58E-11	6.78E-11	0	0	0	0	2.302E-08	1.0301E-08	4.70617E-07	2.90601E-11	0	1.45048E-11	0
684	571510.6	4178759	0.55, 41787	0.24715	0.26193	0.24035	102.14842	42.0514	116.58455	14.2101	7.23025	16.16505	8.9E-08	4.32E-05	5.99E-06	2.75E-11	8.3E-11	6.55E-11	0	0	0	0	2.226E-08	1.7992E-08	7.48484E-07	2.81011E-11	0	1.40262E-11	0
685	571550.6	4178759	0.55, 41787	0.23772	0.24585	0.23427	104.82233	40.15762	128.89855	14.31586	6.66643	17.41071	8.68E-08	4.77E-05	6.45E-06	2.68E-11	8.09E-11	6.39E-11	0	0	0	0	2.17E-08	1.9892E-08	8.06149E-07	2.739E-11	0	1.36712E-11	0
686	571590.6	4178759	0.55, 41787	0.22808	0.23097	0.22747	83.60184	37.747	96.99907	11.46846	6.12919	13.15855	8.43E-08	3.59E-05	4.87E-06	2.6E-11	7.85E-11	6.2E-11	0	0	0	0	2.107E-08	1.4969E-08	6.09274E-07	2.65947E-11	0	1.32743E-11	0
687	570310.6	4178799	0.55, 41787	0.10253	0.09048	0.09887	92.22772	37.68456	108.42661	11.52846	4.71057	13.55333	3.66E-08	4.02E-05	5.02E-06	1.13E-11	3.41E-11	2.7E-11	0	0	0	0	9.156E-09	1.6733E-08	6.2755E-07	1.15591E-11	0	5.76953E-12	0
688	570350.6	4178799	0.55, 41787	0.11434	0.10195	0.11024	96.42289	41.82094	119.06345	12.05286	5.22762	14.88293	4.08E-08	4.41E-05	5.51E-06	1.26E-11	3.8E-11	3.01E-11	0	0	0	0	1.021E-08	1.8374E-08	6.89105E-07	1.28885E-11	0	6.43304E-12	0
689	570390.6	4178799	0.55, 41787	0.12785	0.11532	0.12365	96.70849	44.28794	121.57528	12.08856	5.83168	15.19691	4.58E-08	4.5E-05	5.63E-06	1.41E-11	4.27E-11	3.37E-11	0	0	0	0	1.145E-08	1.8762E-08	7.0364E-07	1.44563E-11	0	7.21559E-12	0
690	570430.6	4178799	0.55, 41787	0.14288	0.13064	0.13911	109.4746	48.39009	132.26529	13.83026	6.97525	16.53316	5.15E-08	4.9E-05	6.12E-06	1.59E-11	4.8E-11	3.79E-11	0	0	0	0	1.288E-08	2.0411E-08	7.65519E-07	1.62638E-11	0	8.11777E-12	0
691	570470.6	4178799	0.55, 41787	0.15993	0.14857	0.15692	116.3647	50.80214	153.38363	16.31235	7.92735	19.17295	5.81E-08	5.68E-05	7.1E-06	1.79E-11	5.42E-11	4.28E-11	0	0	0	0	1.453E-08	2.367E-08	8.87751E-07	1.8346E-11	0	9.15709E-12	0
692	570510.6	4178799	0.55, 41787	0.17816	0.16871	0.17591	124.77861	52.11481	162.22151	17.82552	8.49382	23.1745	6.52E-08	6.01E-05	8.58E-06	2.01E-11	6.07E-11	4.8E-11	0	0	0	0	1.629E-08	2.5034E-08	1.07301E-06	2.05663E-11	0	1.02653E-11	0
693	570550.6	4178799	0.55, 41787	0.19752	0.19131	0.19507	126.89522	56.18657	175.78093	18.12789	8.51005	24.21863	7.23E-08	6.51E-05	8.97E-06	2.23E-11	6.73E-11	5.32E-11	0	0	0	0	1.807E-08	2.7127E-08	1.12135E-06	2.28065E-11	0	1.13834E-11	0
694	570590.6	4178799	0.55, 41787	0.21773	0.21627	0.21308	122.68072	62.5324	158.46837	17.14296	9.80776	21.67538	7.89E-08	5.87E-05	8.03E-06	2.44E-11	7.35E-11	5.81E-11	0	0	0	0	1.973E-08	2.4455E-08	1.0036E-06	2.49123E-11	0	1.24345E-11	0
695	570630.6	4178799	0.55, 41787	0.23771	0.24268	0.22932	133.9153	64.36556	188.20796	18.95021	10.72759	26.70167	8.49E-08	6.97E-05	9.89E-06	2.62E-11	7.91E-11	6.25E-11	0	0	0	0	2.124E-08	2.9044E-08	1.2363E-06	2.68113E-11	0	1.33824E-11	0
696	570670.6	4178799	0.55, 41787	0.25595	0.26895	0.24514	141.94782	63.09907	182.20008	19.13844	10.57117	23.96944	9.08E-08	6.75E-05	8.88E-06	2.8E-11	8.46E-11	6.68E-11	0	0	0	0	2.27E-08	2.8117E-08	1.10982E-06	2.86612E-11	0	1.43057E-11	0
697	570710.6	4178799	0.55, 41787	0.27273	0.29382	0.2595	157.12572	66.69563	192.86918	19.64072	11.93189	24.10865	9.61E-08	7.14E-05	8.93E-06	2.97E-11	8.96E-11	7.08E-11	0	0	0	0	2.403E-08	2.9764E-08	1.11627E-06	3.03404E-11	0	1.51439E-11	0
698	570750.6	4178799	0.55, 41787	0.29355	0.31916	0.26739	152.65771	72.44297	180.42039	19.08221	15.18472	22.55534	9.91E-08	6.68E-05	8.35E-06	3.06E-11	9.23E-11	7.29E-11	0	0	0	0	2.476E-08	2.7843E-08	1.04436E-06	3.12634E-11	0	1.56046E-11	0
699	570790.6	4178799	0.55, 41787	0.31688	0.34759	0.27611	157.73005	72.26845	195.86787	20.13646	16.34526	24.48348	1.02E-07	7.25E-05	9.07E-06	3.16E-11	9.53E-11	7.53E-11	0	0	0	0	2.557E-08	3.0227E-08	1.13363E-06	3.22835E-11	0	1.61137E-11	0
700	570830.6	4178799	0.55, 41787	0.33524	0.37796	0.31984	162.23746	94.66133	234.71664	21.09567	14.73083	29.33958	1.18E-07	8.69E-05	1.09E-05	3.66E-11	1.1E-10	8.72E-11	0	0	0	0	2.962E-08	3.6222E-08	1.35844E-06	3.73958E-11	0	1.86654E-11	0
701	570870.6	4178799	0.55, 41787	0.35595	0.40358	0.35265	158.80625	107.46352	263.60655	19.85078	16.70272	32.95082	1.31E-07	9.76E-05	1.22E-05	4.03E-11	1.22E-10	9.61E-11	0	0	0	0	3.266E-08	4.0681E-08	1.52559E-06	4.12315E-11	0	2.05799E-11	0
702	570910.6	4178799	0.55, 41787	0.3676	0.41723	0.32417	150.41188	96.98395	247.06251	18.80149	15.72408	30.88281	1.2E-07	9.15E-05	1.14E-05	3.71E-11	1.12E-10	8.84E-11	0	0	0	0	3.002E-08	3.8127E-08	1.42985E-06	3.79031E-11	0	1.89186E-11	0
703	570950.6	4178799	0.55, 41787	0.34637	0.40141	0.30552	159.46188	87.41269	275.63404	19.93273	16.48069	34.45425	1.13E-07	0.000102	1.28E-05	3.49E-11	1.05E-10	8.33E-11	0	0	0	0	2.83E-08	4.2536E-08	1.59519E-06	3.57227E-11	0	1.78303E-11	0
704	570990.6	4178799	0.55, 41787	0.35579	0.40756	0.32647	119.48057	79.68844	146.33228	17.5796	14.60553	25.33485	1.21E-07	5.42E-05	9.38E-06	3.73E-11	1.13E-10	8.9E-11	0	0	0	0	3.024E-08	2.2583E-08	1.17301E-06	3.81716E-11	0	1.90527E-11	0
705	571030.6	4178799	0.55, 41787	0.37225	0.416	0.35619	155.14917	72.93395	196.55996	24.86673	12.948	30.87431	1.32E-07	7.28E-05	1.14E-05	4.07E-11	1.23E-10	9.71E-11	0	0	0	0	3.299E-08	3.0334E-08	1.42953E-06	4.16457E-11	0	2.07867E-11	0
706	571070.6	4178799	0.55, 41787	0.3594	0.40135	0.34666	158.59146	67.81733	220.83512	22.65592	11.74555	33.70367	1.28E-07	8.18E-05	1.25E-05	3.96E-11	1.2E-10	9.45E-11	0	0	0	0	3.21E-08	3.4079E-08	1.56048E-06	4.05313E-11	0	2.02305E-11	0
707	571110.6	4178799	0.55, 41787	0.34191	0.38638	0.31575	133.9595	62.41991	198.12185	16.74494	10.40332	24.76523	1.17E-07	7.34E-05	9.17E-06	3.61E-11	1.09E-10	8.61E-11	0	0	0	0	2.924E-08	3.0574E-08	1.14663E-06	3.6918E-11	0	1.84269E-11	0
708	571150.6	4178799	0.55, 41787	0.32926	0.37153	0.29721	140.52662	58.47073	122.49716	17.56829	9.74512	16.40698	1.1E-07	4.54E-05	6.08E-06	3.4E-11	1.03E-10	8.1E-11	0	0	0	0	2.753E-08	1.8905E-08	7.59726E-07	3.47505E-11	0	1.73451E-11	0
709	571190.6	4178799	0.55, 41787	0.32393	0.35615	0.30055	162.80337	55.99612	201.90064	20.37225	9.46414	25.23758	1.11E-07	7.48E-05	9.35E-06	3.44E-11	1.04E-10	8.19E-11	0	0	0	0	2.783E-08	3.1157E-08	1.16854E-06	3.51404E-11	0	1.75397E-11	0
710	571230.6	4178799	0.55, 41787	0.31732	0.33876	0.30501	141.0743	54.42569	191.70239	17.72831	9.52966	23.96639	1.13E-07	7.1E-05	8.88E-06	3.49E-11	1.05E-10	8.32E-11	0	0	0	0	2.825E-08	2.9583E-08	1.10966E-06	3.56612E-11	0	1.77996E-11	0
711	571270.6	4178799	0.55, 41787	0.30415	0.32027	0.29829	116.54381	51.24633	144.90939	16.64912	9.13765	20.70134	1.1E-07	5.37E-05	7.67E-06	3.41E-11	1.03E-10	8.13E-11	0	0	0	0	2.762E-08	2.2363E-08	9.58506E-07	3.48752E-11	0	1.74073E-11	0
712	571310.6	4178799	0.55, 41787	0.28608	0.30211	0.28212	111.77517	48.08718	136.31939	15.28029	8.60329	17.73191	1.05E-07	5.05E-05	6.57E-06	3.22E-11	9.74E-11	7.69E-11	0	0	0	0	2.613E-08	2.1037E-08	8.2103E-07	3.29846E-11	0	1.64637E-11	0
713	571350.6	4178799	0.55, 41787	0.26522	0.28423	0.2608	116.94553	46.1941	139.01017	15.97517	8.23917	19.97796	9.66E-08	5.15E-05	7.4E-06	2.98E-11	9E-11	7.11E-11	0	0	0	0	2.415E-08	2.1452E-08	9.25011E-07	3.04921E-11	0	1.52196E-11	0
714	571390.6	4178799	0.55, 41787	0.24309	0.26586	0.23735	101.64822	44.37475	130.479	13.96186	7.97488	17.70328	8.79E-08	4.83E-05	6.56E-06	2.71E-11	8.19E-11	6.47E-11	0	0	0	0	2.198E-08	2.0136E-08	8.19688E-07	2.77506E-11	0	1.38512E-11	0
715	571430.6	4178799	0.55, 41787	0.22645	0.25105	0.21957	78.66707	42.96369	101.00422	10.22882	7.75525	13.14754	8.13E-08	3.74E-05	4.87E-06	2.51E-11	7.58E-11	5.99E-11	0	0	0	0	2.033E-08	1.5587E-08	6.08748E-07	2.56719E-11	0	1.28137E-11	0
716	571470.6	4178799	0.55, 41787	0.21325	0.23694	0.20607	47.64153	41.84289	57.10773	7.70461	7.45296	10.06314	7.63E-08	2.12E-05	3.73E-06	2.36E-11	7.11E-11	5.62E-11	0	0	0	0	1.908E-08	8.8138E-09	4.65935E-07	2.40935E-11	0	1.20259E-11	0
717	571510.6	4178799	0.55, 41787	0.20623	0.22585	0.19985	71.44774	40.73398	67.79843	10.29216	7.00806	9.90291	7.4E-08	2.51E-05	3.67E-06	2.28E-11	6.9E-11	5.45E-11	0	0	0	0	1.851E-08	1.0463E-08	4.58551E-07	2.33662E-11	0	1.16628E-11	0
718	571550.6	4178799	0.55, 41787	0.19818	0.21228	0.19356	94.10249	39.35835	107.36049	13.01678	6.4744	14.79864	7.17E-08	3.98E-05	5.48E-06	2.21E-11	6.68E-11	5.28E-11	0	0	0	0	1.793E-08	1.6568E-08	6.85216E-07	2.26306E-11	0	1.12956E-11	0
719	571590.6	4178799	0.55, 41787	0.19254	0.20073	0.18997	94.76849	37.66806	114.23818	12.95063	6.01952	15.50303	7.04E-08	4.23E-05	5.74E-06	2.17E-11	6.56E-11	5.18E-11	0	0	0	0	1.759E-08	1.7629E-08	7.17822E-07	2.22106E-11	0	1.1086E-11	0
720	570310.6	4178839	0.55, 41788	0.10118	0.0904	0.098	86.93136	38.98232	105.93151	10.86642	4.87279	13.24144	3.63E-08	3.92E-05	4.9E-06	1.12E-11	3.38E-11	2.67E-11	0	0	0	0	9.075E-09	1.6348E-08	6.13103E-07	1.14574E-11	0	5.71877E-12	0
721	570350.6	4178839	0.55, 41788	0.1118	0.10104	0.10874	92.10266	41.60712	103.12867	11.51283	5.43734	12.89108	4.03E-08	3.82E-05	4.78E-06	1.24E-11	3.75E-11	2.96E-11	0	0	0	0	1.007E-08	1.5915E-08	5.96893E-07	1.27131E-11	0	6.34552E-12	0
722	570390.6	4178839	0.55, 41788	0.12335	0.11299	0.12071	101.58992	44.39945	123.8041	13.097	6.32134	15.47551	4.47E-08	4.59E-05	5.73E-06	1.38E-11	4.17E-11	3.29E-11	0	0	0	0	1.118E-08	1.9106E-08	7.1655E-07	1.41126E-11	0	7.04403E-12	0
723	570430.6	4178839	0.55, 41788	0.13612	0.12663	0.1341	105.75261	46.22171	135.82058	15.10752	6.99394	17.72822	4.97E-08	5.03E-05	6.57E-06	1.53E-11	4.63E-11	3.66E-11	0	0	0	0	1.242E-08	2.096E-08	8.20857E-07	1.56781E-11	0	7.82542E-12	0
724	570470.6	4178839	0.55, 41788	0.14941	0.1416	0.14777	113.55911	47.52324	144.14907	16.22273	7.30549	20.59272	5.47E-08	5.34E-05	7.63E-06	1.69E-11	5.1E-11	4.03E-11	0	0	0	0	1.368E-08	2.2245E-08	9.53473E-07	1.72763E-11	0	8.62317E-12	0
725	570510.6	4178839	0.55, 41788	0.16314	0.158	0.16129	114.44641	50.69094	152.51274	16.21485	7.16417	20.85712	5.97E-08	5.65E-05	7.73E-06	1.84E-11	5.57E-11	4.4E-11	0	0	0	0	1.494E-08	2.3536E-08	9.65712E-07	1.88571E-11	0	9.41218E-12	0
726	570550.6	4178839	0.55, 41788	0.17704	0.17576	0.1737	109.2842	56.30775	135.99936	15.45924	8.75778	18.63755	6.43E-08	5.04E-05	6.9E-06	1.99E-11	6E-11	4.74E-11	0	0	0	0	1.609E-08	2.0988E-08	8.62955E-07	2.03082E-11	0	1.01365E-11	0
727	570590.6	4178839	0.55, 41788	0.1907	0.19445	0.18485	121.04262	57.73789	162.59872	17.123	9.62298	23.05827	6.85E-08	6.02E-05	8.54E-06	2.11E-11	6.38E-11	5.04E-11	0	0	0	0	1.712E-08	2.5092E-08	1.06762E-06	2.1612E-11	0	1.07872E-11	0
728	570630.6	4178839	0.55, 41788	0.20316	0.21304	0.19546	125.84874	56.85617	163.76967	17.26057	9.47603	21.8341	7.24E-08	6.07E-05	8.09E-06	2.23E-11	6.75E-11	5.33E-11	0	0	0	0	1.81E-08	2.5273E-08	1.01095E-06	2.28527E-11	0	1.14065E-11	0
729	570670.6	4178839	0.55, 41788	0.21386	0.23043	0.20601	138.80556	56.19819	167.35734	17.35069	9.51337	20.91967	7.63E-08	6.2E-05	7.75E-06	2.35E-11	7.11E-11	5.62E-11	0	0	0	0	1.908E-08	2.5827E-08	9.68622E-07	2.40863E-11	0	1.20223E-11	0
730	570710.6	4178839	0.55, 41788	0.22462	0.24643	0.21368	139.69865	64.11019	158.44625	17.46233	11.64998	19.80578	7.92E-08	5.87E-05	7.34E-06	2.44E-11	7.38E-11	5.83E-11	0	0	0	0	1.979E-08	2.4452E-08	9.1706E-07	2.49833E-11	0	1.247E-11	0
731	570750.6	4178839	0.55, 41788	0.23931	0.26333	0.21642	129.30344	65.03758	176.13066	16.25667	13.35444	22.02002	8.02E-08	6.52E-05	8.16E-06	2.47E-11	7.47E-11	5.9E-11	0	0	0	0	2.004E-08	2.7181E-08	1.01954E-06	2.53041E-11	0	1.26301E-11	0
732	570790.6	4178839	0.55, 41788	0.2546	0.28325	0.22784	148.04332	66.52984	161.44916	18.88746	13.10425	20.18115	8.44E-08	5.98E-05	7.48E-06	2.6E-11	7.86E-11	6.21E-11	0	0	0	0	2.11E-08	2.4916E-08	9.34454E-07	2.66395E-11	0	1.32966E-11	0
733	570830.6	4178839	0.55, 41788	0.26766	0.30497	0.26524	136.3658	90.38201	203.70222	17.19519	14.05196	26.51864	9.83E-08	7.54E-05	9.82E-06	3.03E-11	9.15E-11	7.23E-11	0	0	0	0	2.456E-08	3.1436E-08	1.2278E-06	3.10116E-11	0	1.54789E-11	0
734	570870.6	4178839	0.55, 41788	0.28248	0.32215	0.27934	145.76117	97.26265	213.43334	18.22015	15.13016	26.67917	1.03E-07	7.91E-05	9.88E-06	3.19E-11	9.64E-11	7.62E-11	0	0	0	0	2.587E-08	3.2938E-08	1.23525E-06	3.26602E-11	0	1.63018E-11	0
735	570910.6	4178839	0.55, 41788	0.28799	0.33135	0.25629	130.6935	87.1686	210.24612	16.33669	13.50967	26.28077	9.49E-08	7.79E-05	9.73E-06	2.93E-11	8.85E-11	6.99E-11	0	0	0	0	2.374E-08	3.2446E-08	1.21678E-06	2.99664E-11	0	1.49572E-11	0
736	570950.6	4178839	0.55, 41788	0.28758	0.33724	0.25781	143.26415	81.64199	232.33178	17.90802	13.93242	29.04147	9.55E-08	8.6E-05	1.08E-05	2.95E-11	8.9E-11	7.03E-11	0	0	0	0	2.388E-08	3.5854E-08	1.3446E-06	3.01442E-11	0	1.50459E-11	0
737	570990.6	4178839	0.55, 41788	0.28844	0.33412	0.27084	115.42228	74.82901	134.90402	15.11344	13.01217	21.06919	1E-07	5E-05	7.8E-06	3.1E-11	9.35E-11	7.38E-11	0	0	0	0	2.508E-08	2.082E-08	9.75515E-07	3.16671E-11	0	1.58061E-11	0
738	571030.6	4178839	0.55, 41788	0.29049	0.32848	0.28015	122.60648	67.85889	167.69329	20.43441	11.21527	20.96166	1.04E-07	6.21E-05	7.76E-06	3.2E-11	9.67E-11	7.64E-11	0	0	0	0	2.595E-08	2.5879E-08	9.70605E-07	3.27551E-11	0	1.63491E-11	0
739	571070.6	4178839	0.55, 41788	0.28682	0.32211	0.27916	145.80556	62.69899	194.95005	22.09774	10.44682	32.49167	1.03E-07	7.22E-05	1.2E-05	3.19E-11	9.64E-11	7.61E-11	0	0	0	0	2.585E-08	3.0085E-08	1.50437E-06	3.26392E-11	0	1.62913E-11	0
740	571110.6	4178839	0.55, 41788	0.272	0.3104	0.2597	131.09883	59.8466	180.45962	17.36249	9.97443	23.15348	9.62E-08	6.68E-05	8.58E-06	2.97E-11	8.96E-11	7.08E-11	0	0	0	0	2.405E-08	2.7849E-08	1.07203E-06	3.03643E-11	0	1.51558E-11	0
741	571150.6	4178839	0.55, 41788	0.26	0.30055	0.24148	99.99815	55.57889	134.60776	12.49977	9.26315	16.82597	8.95E-08	4.99E-05	6.23E-06	2.76E-11	8.34E-11	6.58E-11	0	0	0	0	2.236E-08	2.0773E-08	7.79057E-07	2.82343E-11	0	1.40927E-11	0
742	571190.6	4178839	0.55, 41788	0.2552	0.29099	0.23588	127.82601	53.11626	132.48794	15.97966	8.85271	16.56099	8.74E-08	4.91E-05	6.13E-06	2.7E-11	8.14E-11	6.43E-11	0	0	0	0	2.185E-08	2.0446E-08	7.66835E-07	2.75795E-11	0	1.37658E-11	0
743	571230.6	4178839	0.55, 41788	0.25406	0.28009	0.23929	144.46225	51.51588	176.21864	18.06666	8.58598	22.02733	8.86E-08	6.53E-05	8.16E-06	2.74E-11	8.26E-11	6.52E-11	0	0	0	0	2.216E-08	2.7194E-08	1.01991E-06	2.79778E-11	0	1.39646E-11	0
744	571270.6	4178839	0.55, 41788	0.2507	0.26766	0.24251	121.82335	49.56018	161.92313	15.26733	8.26003	20.24326	8.98E-08	6E-05	7.5E-06	2.77E-11	8.37E-11	6.61E-11	0	0	0	0	2.246E-08	2.4988E-08	9.37284E-07	2.83538E-11	0	1.41523E-11	0
745	571310.6	4178839	0.55, 41788	0.24184	0.25433	0.23951	103.21026	44.65355	122.05645	14.74432	7.58702	17.43664	8.87E-08	4.52E-05	6.46E-06	2.74E-11	8.27E-11	6.53E-11	0	0	0	0	2.218E-08	1.8836E-08	8.07354E-07	2.80027E-11	0	1.3977E-11	0
746	571350.6	4178839	0.55, 41788	0.22797	0.24079	0.22797	99.0464	44.12829	113.73434	14.35742	7.39344	18.63488	8.44E-08	4.21E-05	6.9E-06	2.61E-11	7.87E-11	6.22E-11	0	0	0	0	2.111E-08	1.7552E-08	8.62818E-07	2.66534E-11	0	1.33036E-11	0
747	571390.6	4178839	0.55, 41788	0.21103	0.22733	0.21036	102.76287	42.76623	112.22851	13.91866	7.25999	15.15441	7.79E-08	4.16E-05	5.61E-06	2.4E-11	7.26E-11	5.74E-11	0	0	0	0	1.948E-08	1.7319E-08	7.01696E-07	2.45947E-11	0	1.2276E-11	0
748	571430.6	4178839	0.55, 41788	0.19469	0.21494	0.19186	96.70075	41.37793	118.14409	13.13698	7.12068	15.87157	7.11E-08	4.38E-05	5.88E-06	2.19E-11	6.62E-11	5.23E-11	0	0	0	0	1.777E-08	1.8232E-08	7.34885E-07	2.24319E-11	0	1.11965E-11	0
749	571470.6	4178839	0.55, 41788	0.18137	0.20392	0.17665	77.02264	40.18933	97.95965	10.5662	6.94319	13.29535	6.54E-08	3.63E-05	4.92E-06	2.02E-11	6.1E-11	4.82E-11	0	0	0	0	1.636E-08	1.5118E-08	6.15595E-07	2.06538E-11	0	1.0309E-11	0
750	571510.6	4178839	0.55, 41788	0.17253	0.19446	0.16733	52.60803	39.21497	67.39367	7.34906	6.67327	9.32595	6.2E-08	2.5E-05	3.45E-06	1.91E-11	5.78E-11	4.56E-11	0	0	0	0	1.55E-08	1.0401E-08	4.31805E-07	1.95641E-11	0	9.76509E-12	0
751	571550.6	4178839	0.55, 41788	0.16797	0.18619	0.16347	68.59481	38.25365	67.50423	9.65516	6.29212	9.48561	6.06E-08	2.5E-05	3.51E-06	1.87E-11	5.64E-11	4.46E-11	0	0	0	0	1.514E-08	1.0418E-08	4.39225E-07	1.91127E-11	0	9.53977E-12	0
752	571590.6	4178839	0.55, 41788	0.16271	0.17607	0.15959	86.9293	37.04871	99.01478	11.93163	5.86384	13.49632	5.91E-08	3.67E-05	5E-06	1.82E-11	5.51E-11	4.35E-11	0	0	0	0	1.478E-08	1.528E-08	6.24916E-07	1.86589E-11	0	9.31326E-12	0
753	570839.2	4178446	9.17, 41784	74.46739	6.86955	3.72049	1115.31188	246.53605	1658.95445	545.24687	92.47095	232.89196	1.38E-06	0.000614	8.63E-05	4.26E-10	1.29E-09	1.02E-09	0	0	0	0	3.448E-07	2.56E-07	1.07878E-05	4.35301E-10	0	2.17273E-10	0
754	570839.2	4178486	9.17, 41784	72.70489	8.35312	4.22209	2611.28562	240.43522	1473.87155	1286.82968	90.10385	245.64526	1.57E-06	0.000546	9.11E-05	4.83E-10	1.46E-09	1.15E-09	0	0	0	0	3.913E-07	2.2745E-07	1.13876E-05	4.93966E-10	0	2.46554E-10	0
755	570879.2	4178406	9.17, 41784	9.26791	12.09581	2.86973	654.37651	281.54322	1652.24347	174.87233	99.71055	250.6883	1.06E-06	0.000612	9.29E-05	3.28E-10	9.91E-10	7.83E-10	0	0	0	0	2.66E-07	2.5496E-07	1.16069E-05	3.35801E-10	0	1.67609E-10	0
756	570879.2	4178446	9.17, 41784	110.98197	13.33715	11.62742	3333.88644	260.53475	3586.87714	1717.50318	91.01179	770.8732	4.31E-06	0.001328	0.000286	1.33E-09	4.01E-09	3.17E-09	0	0	0	0	1.077E-06	5.535E-07	3.57066E-05	1.35979E-09	0	6.78714E-10	0
757	570879.2	4178486	9.17, 41784	18.42358	13.79846	20.70311	473.0449	246.35325	4578.74855	141.68031	100.88031	655.29094	7.67E-06	0.001696	0.000243	2.37E-09	7.14E-09	5.64E-09	0	0	0	0	1.917E-06	7.0653E-07	3.03362E-05	2.42029E-09	0	1.20805E-09	0
758	570879.2	4178526	9.17, 41785	94.91809	17.71904	9.02777	3340.71117	271.69492	2014.80922	1490.9797	113.49448	441.47053	3.35E-06	0.000746	0.000164	1.03E-09	3.12E-09	2.46E-09	0	0	0	0	8.365E-07	3.1092E-07	2.04552E-05	1.05601E-09	0	5.27088E-10	0
759	570879.2	4178566	9.17, 41785	6.34056	7.84517	3.48916	517.57011	248.69096	1100.96831	138.67192	92.32789	171.27972	1.29E-06	0.000408	6.34E-05	3.99E-10	1.2E-09	9.52E-10	0	0	0	0	3.232E-07	1.699E-07	7.93055E-06	4.08069E-10	0	2.0368E-10	0
760	570919.2	4178366	9.17, 41783	2.36921	8.89638	1.45024	279.82249	231.14799	970.86833	50.20448	85.64726	145.20587	5.38E-07	0.00036	5.38E-05	1.66E-10	5.01E-10	3.96E-10	0	0	0	0	1.345E-07	1.4982E-07	6.72243E-06	1.69772E-10	0	8.47387E-11	0
761	570919.2	4178406	9.17, 41784	7.16288	18.51893	2.95623	387.12304	281.06153	1814.51514	102.95605	123.97591	301.78328	1.1E-06	0.000672	0.000112	3.38E-10	1.02E-09	8.07E-10	0	0	0	0	2.741E-07	2.8E-07	1.39713E-05	3.46089E-10	0	1.72744E-10	0
762	570919.2	4178446	9.17, 41784	30.90779	15.96768	15.85005	761.46723	266.85593	6280.62092	290.35951	97.37786	1155.63511	5.87E-06	0.002326	0.000428	1.81E-09	5.47E-09	4.32E-09	0	0	0	0	1.468E-06	9.6914E-07	5.34997E-05	1.85316E-09	0	9.2497E-10	0
763	570919.2	4178486	9.17, 41784	29.57453	18.16179	468.02027	992.62163	281.14129	31654.24271	425.98322	121.6397	9353.86757	0.000173	0.011723	0.003464	5.35E-08	1.61E-07	1.28E-07	0	0	0	0	4.333E-05	4.8844E-06	0.000433009	5.47041E-08	0	2.73046E-08	0
764	570919.2	4178526	9.17, 41785	19.47257	21.77306	15.13476	427.44744	357.8357	3633.422	126.47105	151.21701	760.0028	5.61E-06	0.001346	0.000281	1.73E-09	5.22E-09	4.13E-09	0	0	0	0	1.402E-06	5.6067E-07	3.51832E-05	1.76968E-09	0	8.83305E-10	0
765	570919.2	4178566	9.17, 41785	68.70701	17.81326	4.44491	3547.24462	326.79695	1605.72558	1121.59815	123.62419	257.53275	1.65E-06	0.000595	9.55E-05	5.09E-10	1.54E-09	1.21E-09	0	0	0	0	4.121E-07	2.478E-07	1.19358E-05	5.2027E-10	0	2.59683E-10	0
766	570959.2	4178326	9.17, 41783	2.08146	12.83514	1.34475	279.67021	252.56813	633.18912	42.32993	97.81035	79.64117	4.99E-07	0.000235	2.95E-05	1.54E-10	4.65E-10	3.67E-10	0	0	0	0	1.248E-07	9.7715E-08	3.68724E-06	1.57555E-10	0	7.86407E-11	0
767	570959.2	4178366	9.17, 41783	2.97969	11.80225	1.85212	241.09871	252.07126	954.07883	42.48046	78.75938	136.29698	6.87E-07	0.000353	5.05E-05	2.12E-10	6.4E-10	5.06E-10	0	0	0	0	1.718E-07	1.4723E-07	6.30992E-06	2.16831E-10	0	1.08227E-10	0
768	570959.2	4178406	9.17, 41784	5.48321	18.00699	4.34111	312.89849	292.26242	1429.75284	67.10795	111.57482	238.11199	1.61E-06	0.00053	8.82E-05	4.97E-10	1.5E-09	1.18E-09	0	0	0	0	4.023E-07	2.2063E-07	1.10234E-05	5.07938E-10	0	2.53528E-10	0
769	570959.2	4178446	9.17, 41784	13.2141	15.9724	27.93872	471.07205	258.82785	2485.7483	129.31081	100.45092	486.63208	1.03E-05	0.000921	0.00018	3.19E-09	9.64E-09	7.62E-09	0	0	0	0	2.587E-06	3.8357E-07	2.25285E-05	3.26606E-09	0	1.63019E-09	0
770	570959.2	4178486	9.17, 41784	61.20406	15.71053	62.85492	1330.20017	250.50131	2800.83581	539.4281	101.77571	895.66291	2.33E-05	0.001037	0.000332	7.18E-09	2.17E-08	1.71E-08	0	0	0	0	5.82E-06	4.322E-07	4.14684E-05	7.3473E-09	0	3.66727E-09	0
771	570959.2	4178526	9.17, 41785	233.18259	14.04006	12.98457	3491.90215	258.73899	2789.84609	1687.05022	110.68808	397.86928	4.81E-06	0.001033	0.000148	1.48E-09	4.48E-09	3.54E-09	0	0	0	0	1.203E-06	4.3051E-07	1.84394E-05	1.51883E-09	0	7.58098E-10	0
772	570999.2	4178286	9.17, 41782	4.82709	7.01905	1.81527	541.05323	230.67805	782.52024	117.6944	82.70868	130.42004	6.73E-07	0.00029	4.83E-05	2.08E-10	6.27E-10	4.95E-10	0	0	0	0	1.682E-07	1.2076E-07	6.03883E-06	2.12392E-10	0	1.06011E-10	0

773	570999.2	4178326	9.17, 41783	3.49216	17.23511	2.06149	334.8047	281.26172	702.77079	73.88295	121.01705	110.07877	7.65E-07	0.00026	4.08E-05	2.36E-10	7.13E-10	5.63E-10	0	0	0	0	1.913E-07	1.0845E-07	5.09664E-06	2.41461E-10	0	1.20521E-10	0
774	570999.2	4178366	9.17, 41783	3.49499	15.86199	2.88936	258.09779	262.50756	719.40934	51.99585	99.38677	89.92617	1.07E-06	0.000266	3.33E-05	3.31E-10	9.98E-10	7.89E-10	0	0	0	0	2.679E-07	1.1102E-07	4.16347E-06	3.38185E-10	0	1.68799E-10	0
775	570999.2	4178406	9.17, 41784	4.67229	14.08019	6.50261	269.25985	258.20089	888.73579	48.54927	90.52886	138.83889	2.41E-06	0.000329	5.14E-05	7.44E-10	2.24E-09	1.77E-09	0	0	0	0	6.024E-07	1.3715E-07	6.42767E-06	7.60464E-10	0	3.79572E-10	0
776	570999.2	4178446	9.17, 41784	8.21208	17.59623	13.45709	365.10896	254.50285	1091.31402	80.87758	113.65243	185.77432	4.99E-06	0.000404	6.88E-05	1.54E-09	4.64E-09	3.67E-09	0	0	0	0	1.246E-06	1.6841E-07	8.60079E-06	1.57344E-09	0	7.85352E-10	0
777	570999.2	4178486	9.17, 41784	18.06608	14.21786	20.31738	585.19163	263.25351	1140.06137	156.20535	101.07997	297.24229	7.53E-06	0.000422	0.00011	2.32E-09	7.01E-09	5.54E-09	0	0	0	0	1.881E-06	1.7593E-07	1.37618E-05	2.37522E-09	0	1.18555E-09	0
778	571039.2	4178246	9.17, 41782	16.91212	6.90765	2.82369	857.31055	271.11205	1316.76682	274.95229	93.64332	189.48612	1.05E-06	0.000488	7.02E-05	3.23E-10	9.75E-10	7.7E-10	0	0	0	0	2.616E-07	2.032E-07	8.77508E-06	3.30295E-10	0	1.64861E-10	0
779	571039.2	4178286	9.17, 41782	28.85834	15.10006	3.68614	1240.055	260.3069	1323.38037	549.80999	92.85324	215.01085	1.37E-06	0.00049	7.97E-05	4.22E-10	1.27E-09	1.01E-09	0	0	0	0	3.417E-07	2.0422E-07	9.96015E-06	4.31375E-10	0	2.15313E-10	0
780	571039.2	4178326	9.17, 41783	6.67676	17.1171	4.10991	443.85334	276.43557	1246.54946	131.23026	111.87763	155.81868	1.52E-06	0.000462	5.77E-05	4.7E-10	1.42E-09	1.12E-09	0	0	0	0	3.809E-07	1.9236E-07	7.21474E-06	4.80893E-10	0	2.40029E-10	0
781	571039.2	4178366	9.17, 41783	4.40971	16.57374	4.87433	310.01939	259.88486	992.68074	73.97776	106.04392	160.75052	1.81E-06	0.000368	5.95E-05	5.58E-10	1.68E-09	1.33E-09	0	0	0	0	4.517E-07	1.5319E-07	7.44231E-06	5.70217E-10	0	2.84614E-10	0
782	571039.2	4178406	9.17, 41784	4.40492	15.47088	6.2465	249.62047	251.60574	625.26496	54.55389	95.67705	86.62547	2.31E-06	0.000232	3.21E-05	7.14E-10	2.16E-09	1.7E-09	0	0	0	0	5.787E-07	9.6492E-08	4.01071E-06	7.30568E-10	0	3.6465E-10	0
783	571039.2	4178446	9.17, 41784	6.02235	17.33371	7.45895	271.18693	258.43077	565.95619	53.34538	113.33058	91.15286	2.76E-06	0.00021	3.38E-05	8.53E-10	2.58E-09	2.03E-09	0	0	0	0	6.91E-07	8.7341E-08	4.22027E-06	8.72342E-10	0	4.35414E-10	0
784	571079.2	4178246	9.17, 41782	26.90238	12.76385	4.78342	686.22219	257.40547	1959.72628	294.80616	92.56412	417.67679	1.77E-06	0.000726	0.000155	5.47E-10	1.65E-09	1.3E-09	0	0	0	0	4.432E-07	3.0241E-07	1.93386E-05	5.59554E-10	0	2.79291E-10	0
785	571079.2	4178286	9.17, 41782	49.90964	15.92317	13.80121	957.6563	283.49226	4117.74908	414.11972	108.09945	689.22522	5.11E-06	0.001525	0.000255	1.58E-09	4.76E-09	3.76E-09	0	0	0	0	1.278E-06	6.354E-07	3.19105E-05	1.61374E-09	0	8.05471E-10	0
786	571079.2	4178326	9.17, 41783	16.67986	14.36437	14.4793	793.60016	243.70787	3077.685	313.14105	91.11491	664.711	5.36E-06	0.00114	0.000246	1.66E-09	5E-09	3.95E-09	0	0	0	0	1.341E-06	4.7491E-07	3.07744E-05	1.69285E-09	0	8.44955E-10	0
787	571079.2	4178366	9.17, 41783	6.18218	17.09307	7.0902	419.38901	255.0076	1488.27193	110.95083	108.56867	287.95219	2.63E-06	0.000551	0.000107	8.11E-10	2.45E-09	1.93E-09	0	0	0	0	6.568E-07	2.2966E-07	1.33311E-05	8.29235E-10	0	4.13898E-10	0
788	571079.2	4178406	9.17, 41784	4.42977	14.91	5.35349	310.20505	209.99469	815.89349	72.09993	91.11305	117.58287	1.98E-06	0.000302	4.36E-05	6.12E-10	1.85E-09	1.46E-09	0	0	0	0	4.96E-07	1.2591E-07	5.444E-06	6.26175E-10	0	3.12544E-10	0
789	571119.2	4178286	9.17, 41782	25.0824	15.07438	138.00946	507.91812	256.39153	16734.57469	211.8106	106.96205	4271.60103	5.11E-05	0.006197	0.001582	1.58E-08	4.76E-08	3.76E-08	0	0	0	0	1.278E-05	2.5822E-06	0.000197741	1.61314E-08	0	8.05171E-09	0
790	571119.2	4178326	9.17, 41783	197.49067	14.51391	52.98238	3348.29445	230.6601	7805.71053	1622.72219	95.52079	2122.69744	1.96E-05	0.002891	0.000786	6.06E-09	1.83E-08	1.44E-08	0	0	0	0	4.906E-06	1.2045E-06	9.82833E-05	6.19378E-09	0	3.09152E-09	0
791	571119.2	4178366	9.17, 41783	10.01384	12.46582	9.59129	630.48898	206.62645	2115.5821	198.58486	83.22549	424.70779	3.55E-06	0.000783	0.000157	1.1E-09	3.31E-09	2.62E-09	0	0	0	0	8.883E-07	3.2646E-07	1.96629E-05	1.12145E-09	0	5.5975E-10	0
792	571159.2	4178326	9.17, 41783	219.15803	19.05137	35.48029	3124.9508	277.70648	3646.5914	1560.39264	128.55095	753.34584	1.31E-05	0.001351	0.000279	4.06E-09	1.22E-08	9.67E-09	0	0	0	0	3.286E-06	5.6271E-07	3.48933E-05	4.14829E-09	0	2.07055E-09	0
793	570808.8	4178465	8.82, 41784	10.95844	3.34212	2.15804	1253.90468	193.66587	956.23037	302.59047	56.7134	159.37173	8E-07	0.000354	5.91E-05	2.47E-10	7.45E-10	5.88E-10	0	0	0	0	1.999E-07	1.4756E-07	7.38139E-06	2.52369E-10	0	1.25966E-10	0
794	570823.9	4178530	3.91, 41785	3.05561	3.25593	2.40542	358.64643	197.99385	1108.94733	70.39413	63.38636	140.39269	8.91E-07	0.000411	5.2E-05	2.75E-10	8.3E-10	6.56E-10	0	0	0	0	2.228E-07	1.7112E-07	6.49987E-06	2.81256E-10	0	1.40384E-10	0
795	570883.3	4178602	3.31, 41786	3.07425	4.49746	2.05933	479.66242	287.53386	914.81532	94.76169	103.00469	119.05382	7.63E-07	0.000339	4.41E-05	2.35E-10	7.11E-10	5.62E-10	0	0	0	0	1.908E-07	1.4117E-07	5.51238E-06	2.4084E-10	0	1.20211E-10	0
796	571181.5	4178310	1.45, 41783	77.30582	13.12592	35.80897	2585.53888	242.23364	1672.90767	872.95261	114.20023	513.62427	1.33E-05	0.00062	0.00019	4.09E-09	1.24E-08	9.76E-09	0	0	0	0	3.316E-06	2.5816E-07	2.37875E-05	4.18608E-09	0	2.08941E-09	0
797	571067.8	4178207	7.83, 41782	5.36607	4.9243	1.64986	895.65181	299.02694	904.65641	223.56067	96.05921	144.20823	6.12E-07	0.000335	5.34E-05	1.89E-10	5.7E-10	4.5E-10	0	0	0	0	1.529E-07	1.3961E-07	6.67845E-06	1.92999E-10	0	9.63322E-11	0
798	570799.9	4178447	9.89, 41784	4.88888	2.78293	1.75814	732.83791	152.28075	768.58836	142.77112	52.0733	124.31973	6.51E-07	0.000285	4.61E-05	2.01E-10	6.07E-10	4.79E-10	0	0	0	0	1.628E-07	1.1861E-07	5.75675E-06	2.05592E-10	0	1.02618E-10	0

	Trenching	Grading	Stockpile
Emissions Rate (g/s):	3.16E-13	2.81E-12	1.14E-08

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	0.04	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	0.04	10	2	70	0.85
2<9	861	1	0.854795	0.000001	0.04	3	0.55	70	0.72
Student	640	1	0.493151	0.000001	0.04	3	2.8	70	1
Worker	230	1	0.684932	0.000001	0.04	1	2.8	70	1

1,4-Dichlorobenzene

	Chronic (Annu	Acute (1hr)	8hr
REL:	800	1	1

				Concentration [µg/m^3] at 1 g/s									Concentration (µg/m^3) Unmitigated			Unmitigated Residential Dose			Risk by Age Group				Unmitigated			Student Unmitigated		Worker Unmitigated	
#	X	Y	X,Y	Trenching Period	Grading Period	Stockpile Period	Treching 1hr	Grading 1hr	Stockpile 1hr	Trenching 8hr	Grading 8hr	Stockpile 8hr	Period Tota	1hr Total	8hr Total	3rd	0<2	2<9	3rd	0<2	2<9	Total Risk	Chronic	Acute	8hr	Dose	Risk	Dose	Risk
1	570310.6	4177919	0.55, 41779	0.08215	0.06425	0.08047	53.98877	25.74637	57.86027	6.7486	3.78109	7.23253	9.17E-10	6.59E-07	8.24E-08	2.83E-13	8.54E-13	6.75E-13	3.43E-16	8.3E-15	4.58E-16	9.09825E-15	1.146E-12	6.5905E-07	8.2391E-08	2.89314E-13	1.38871E-15	1.44406E-13	2.3105E-16
2	570350.6	4177919	0.55, 41779	0.08744	0.06946	0.0859	61.34869	26.43683	62.74615	7.66859	3.66465	7.84327	9.79E-10	7.15E-07	8.93E-08	3.02E-13	9.12E-13	7.2E-13	3.67E-16	8.86E-15	4.89E-16	9.71221E-15	1.223E-12	7.147E-07	8.93495E-08	3.08838E-13	1.48242E-15	1.54151E-13	2.46641E-16
3	570390.6	4177919	0.55, 41779	0.09273	0.07514	0.09126	67.57642	27.23616	68.95787	8.44705	3.80844	8.61973	1.04E-09	7.85E-07	9.82E-08	3.21E-13	9.69E-13	7.65E-13	3.9E-16	9.41E-15	5.19E-16	1.03183E-14	1.299E-12	7.8545E-07	9.81949E-08	3.2811E-13	1.57493E-15	1.6377E-13	2.62032E-16
4	570430.6	4177919	0.55, 41779	0.09799	0.08123	0.09661	71.34976	28.07066	72.35504	8.91872	4.01428	9.04438	1.1E-09	8.24E-07	1.03E-07	3.4E-13	1.03E-12	8.1E-13	4.12E-16	9.96E-15	5.5E-16	1.09232E-14	1.376E-12	8.2414E-07	1.03033E-07	3.47346E-13	1.66726E-15	1.73372E-13	2.77395E-16
5	570470.6	4177919	0.55, 41779	0.10292	0.08757	0.10182	71.34124	28.88227	71.18869	8.91766	4.18506	8.89859	1.16E-09	8.11E-07	1.01E-07	3.58E-13	1.08E-12	8.54E-13	4.35E-16	1.05E-14	5.8E-16	1.15123E-14	1.45E-12	8.1086E-07	1.01372E-07	3.6608E-13	1.75718E-15	1.82722E-13	2.92355E-16
6	570510.6	4177919	0.55, 41779	0.10719	0.09397	0.10631	70.57748	29.51269	72.86498	8.82218	4.31581	9.10812	1.21E-09	8.3E-07	1.04E-07	3.74E-13	1.13E-12	8.91E-13	4.54E-16	1.1E-14	6.05E-16	1.20201E-14	1.514E-12	8.2995E-07	1.03758E-07	3.82225E-13	1.83468E-15	1.90781E-13	3.05249E-16
7	570550.6	4177919	0.55, 41779	0.11095	0.10041	0.10942	80.02506	30.00614	83.29269	10.00313	4.88273	10.41159	1.25E-09	9.49E-07	1.19E-07	3.85E-13	1.16E-12	9.17E-13	4.67E-16	1.13E-14	6.23E-16	1.23718E-14	1.558E-12	9.4871E-07	1.18607E-07	3.9341E-13	1.88837E-15	1.96364E-13	3.14182E-16
8	570590.6	4177919	0.55, 41779	0.11537	0.10684	0.11183	81.14556	31.22548	84.40479	10.14319	5.49199	10.5506	1.27E-09	9.61E-07	1.2E-07	3.93E-13	1.19E-12	9.38E-13	4.77E-16	1.15E-14	6.36E-16	1.26444E-14	1.592E-12	9.6138E-07	1.20191E-07	4.02079E-13	1.92998E-15	2.0069E-13	3.21105E-16
9	570630.6	4177919	0.55, 41779	0.12154	0.11343	0.11602	82.02682	32.76834	84.97635	10.54682	6.07261	10.62204	1.32E-09	9.68E-07	1.21E-07	4.08E-13	1.23E-12	9.73E-13	4.95E-16	1.2E-14	6.6E-16	1.31183E-14	1.652E-12	9.679E-07	1.21005E-07	4.17146E-13	2.0023E-15	2.08211E-13	3.33138E-16
10	570670.6	4177919	0.55, 41779	0.12896	0.11974	0.12346	90.28793	34.09351	94.2666	12.11861	6.60764	13.84836	1.41E-09	1.07E-06	1.58E-07	4.34E-13	1.31E-12	1.04E-12	5.27E-16	1.27E-14	7.03E-16	1.39595E-14	1.758E-12	1.0737E-06	1.57754E-07	4.43896E-13	2.1307E-15	2.21563E-13	3.545E-16
11	570710.6	4177919	0.55, 41779	0.13589	0.12543	0.13131	92.03158	38.34133	98.54944	11.50395	7.03486	13.72911	1.5E-09	1.12E-06	1.56E-07	4.62E-13	1.39E-12	1.1E-12	5.61E-16	1.35E-14	7.47E-16	1.4847E-14	1.87E-12	1.1225E-06	1.56394E-07	4.72118E-13	2.26617E-15	2.35649E-13	3.77039E-16
12	570750.6	4177919	0.55, 41779	0.14097	0.13029	0.13561	98.93292	42.68075	106.54938	12.36662	7.25038	14.15663	1.54E-09	1.21E-06	1.61E-07	4.77E-13	1.44E-12	1.14E-12	5.79E-16	1.4E-14	7.72E-16	1.53332E-14	1.931E-12	1.2136E-06	1.61266E-07	4.87579E-13	2.34038E-15	2.43366E-13	3.89386E-16
13	570790.6	4177919	0.55, 41779	0.1434	0.13429	0.137	101.78306	44.96916	112.12821	12.72288	7.16867	14.01603	1.56E-09	1.28E-06	1.6E-07	4.82E-13	1.45E-12	1.15E-12	5.85E-16	1.41E-14	7.8E-16	1.54904E-14	1.951E-12	1.2772E-06	1.59666E-07	4.9258E-13	2.36438E-15	2.45862E-13	3.9338E-16
14	570830.6	4177919	0.55, 41779	0.14249	0.1373	0.1371	103.05806	46.92439	113.14313	12.88226	6.63254	14.14289	1.56E-09	1.29E-06	1.61E-07	4.82E-13	1.46E-12	1.15E-12	5.85E-16	1.41E-14	7.8E-16	1.55018E-14	1.952E-12	1.2887E-06	1.61111E-07	4.92942E-13	2.36612E-15	2.46043E-13	3.93669E-16
15	570870.6	4177919	0.55, 41779	0.13915	0.13926	0.13269	113.81753	49.41272	127.10432	14.22719	6.17659	15.88804	1.51E-09	1.45E-06	1.81E-07	4.66E-13	1.41E-12	1.11E-12	5.66E-16	1.37E-14	7.55E-16	1.50034E-14	1.89E-12	1.4477E-06	1.8099E-07	4.77091E-13	2.29004E-15	2.38131E-13	3.8101E-16
16	570910.6	4177919	0.55, 41779	0.13537	0.14116	0.12571	103.09741	52.00284	118.27061	16.13684	6.50036	14.78383	1.43E-09	1.35E-06	1.68E-07	4.42E-13	1.33E-12	1.05E-12	5.37E-16	1.3E-14	7.16E-16	1.42144E-14	1.79E-12	1.3471E-06	1.68421E-07	4.52003E-13	2.16961E-15	2.25609E-13	3.60975E-16
17	570950.6	4177919	0.55, 41779	0.13129	0.14261	0.12523	128.63222	54.75687	154.09416	19.7206	7.6051	23.34348	1.43E-09	1.76E-06	2.66E-07	4.4E-13	1.33E-12	1.05E-12	5.35E-16	1.29E-14	7.13E-16	1.41602E-14	1.783E-12	1.7551E-06	2.65916E-07	4.50278E-13	2.16134E-15	2.24748E-13	3.59597E-16
18	570990.6	4177919	0.55, 41779	0.12715	0.1442	0.12572	126.51514	58.01026	163.29109	18.07359	9.36612	23.3273	1.43E-09	1.86E-06	2.66E-07	4.42E-13	1.33E-12	1.05E-12	5.37E-16	1.3E-14	7.16E-16	1.42156E-14	1.79E-12	1.8599E-06	2.65727E-07	4.52041E-13	2.1698E-15	2.25628E-13	3.61005E-16
19	571030.6	4177919	0.55, 41779	0.12254	0.14609	0.11762	125.39004	62.99788	174.41478	17.19472	10.49965	21.80185	1.34E-09	1.99E-06	2.48E-07	4.13E-13	1.25E-12	9.86E-13	5.02E-16	1.21E-14	6.69E-16	1.33E-14	1.675E-12	1.9866E-06	2.48351E-07	4.22927E-13	2.03005E-15	2.11096E-13	3.37754E-16
20	571070.6	4177919	0.55, 41779	0.1201	0.14847	0.1104	126.80092	67.58831	177.9713	16.22667	10.87469	22.24641	1.26E-09	2.03E-06	2.53E-07	3.88E-13	1.17E-12	9.26E-13	4.71E-16	1.14E-14	6.28E-16	1.2484E-14	1.572E-12	2.0271E-06	2.53411E-07	3.96976E-13	1.90549E-15	1.98143E-13	3.1703E-16
21	571110.6	4177919	0.55, 41779	0.1205	0.15044	0.10927	126.62476	68.47754	165.66905	20.2586	9.61445	20.70863	1.24E-09	1.89E-06	2.36E-07	3.84E-13	1.16E-12	9.16E-13	4.66E-16	1.13E-14	6.22E-16	1.23563E-14	1.556E-12	1.887E-06	2.3591E-07	3.92916E-13	1.886E-15	1.96117E-13	3.13787E-16
22	571150.6	4177919	0.55, 41779	0.1212	0.15159	0.11602	131.66409	62.22893	172.39569	21.10658	9.19459	24.99313	1.32E-09	1.96E-06	2.85E-07	4.08E-13	1.23E-12	9.73E-13	4.95E-16	1.2E-14	6.6E-16	1.31193E-14	1.652E-12	1.9636E-06	2.84708E-07	4.1718E-13	2.00246E-15	2.08228E-13	3.33165E-16
23	571190.6	4177919	0.55, 41779	0.12215	0.15198	0.11825	137.85581	66.48698	180.99172	19.69369	10.25241	26.94632	1.35E-09	2.06E-06	3.07E-07	4.16E-13	1.26E-12	9.92E-13	5.05E-16	1.22E-14	6.73E-16	1.33714E-14	1.684E-12	2.0615E-06	3.06948E-07	4.25196E-13	2.04094E-15	2.12229E-13	3.39566E-16
24	571230.6	4177919	0.55, 41779	0.12354	0.15154	0.11348	148.65332	75.08948	179.38421	21.23619	9.50538	22.42303	1.29E-09	2.04E-06	2.55E-07	3.99E-13	1.2E-12	9.52E-13	4.84E-16	1.17E-14	6.46E-16	1.28322E-14	1.616E-12	2.0432E-06	2.55438E-07	4.0805E-13	1.95864E-15	2.03671E-13	3.25873E-16
25	571270.6	4177919	0.55, 41779	0.12544	0.15047	0.11372	135.01221	73.55453	181.97135	18.66937	9.80753	25.99591	1.3E-09	2.07E-06	2.96E-07	4E-13	1.21E-12	9.54E-13	4.85E-16	1.17E-14	6.47E-16	1.28593E-14	1.619E-12	2.0727E-06	2.96121E-07	4.08912E-13	1.96278E-15	2.04101E-13	3.26562E-16
26	571310.6	4177919	0.55, 41779	0.12844	0.14895	0.1185	144.25948	74.57026	160.72945	18.03243	9.63087	20.79832	1.35E-09	1.83E-06	2.37E-07	4.17E-13	1.26E-12	9.94E-13	5.06E-16	1.22E-14	6.75E-16	1.33996E-14	1.688E-12	1.8308E-06	2.36925E-07	4.26093E-13	2.04525E-15	2.12677E-13	3.40282E-16
27	571350.6	4177919	0.55, 41779	0.13264	0.1484	0.12186	134.13439	65.82548	182.86761	16.7668	8.49886	22.85845	1.39E-09	2.08E-06	2.6E-07	4.28E-13	1.29E-12	1.02E-12	5.2E-16	1.26E-14	6.94E-16	1.37794E-14	1.735E-12	2.0829E-06	2.60383E-07	4.3817E-13	2.10322E-15	2.18705E-13	3.49928E-16
28	571390.6	4177919	0.55, 41779	0.13487	0.1464	0.12015	140.45529	51.40311	177.22554	17.55691	7.98518	22.15319	1.37E-09	2.02E-06	2.52E-07	4.22E-13	1.28E-12	1.01E-12	5.13E-16	1.24E-14	6.84E-16	1.35861E-14	1.711E-12	2.0186E-06	2.52353E-07	4.32022E-13	2.07371E-15	2.15636E-13	3.45018E-16
29	571430.6	4177919	0.55, 41779	0.14548	0.15293	0.12366	139.19794	49.3636	190.22803	17.39974	7.65374	23.7785	1.41E-09	2.17E-06	2.71E-07	4.35E-13	1.31E-12	1.04E-12	5.28E-16	1.28E-14	7.04E-16	1.3983E-14	1.761E-12	2.1667E-06	2.70863E-07	4.44646E-13	2.1343E-15	2.21937E-13	3.55099E-16
30	571470.6	4177919	0.55, 41779	0.15916	0.16179	0.13045	134.87595	45.89373	190.37308	16.85949	6.86379	23.79664	1.49E-09	2.17E-06	2.71E-07	4.59E-13	1.38E-12	1.09E-12	5.57E-16	1.35E-14	7.43E-16	1.47509E-14	1.858E-12	2.1683E-06	2.71068E-07	4.69062E-13	2.2515E-15	2.34124E-13	3.74598E-16
31	571510.6	4177919	0.55, 41779	0.17426	0.17151	0.14116	122.2315	42.4201	161.48029	15.27894	5.85942	20.18504	1.61E-09	1.84E-06	2.3E-07	4.96E-13	1.5E-12	1.18E-12	6.03E-16	1.46E-14	8.03E-16	1.59618E-14	2.01E-12	1.8392E-06	2.29931E-07	5.07569E-13	2.43633E-15	2.53344E-13	4.0535E-16
32	571550.6	4177919	0.55, 41779	0.18787	0.18026	0.15558	112.99449	35.73716	155.78517	14.12431	5.76206	19.47315	1.77E-09	1.77E-06	2.22E-07	5.47E-13	1.65E-12	1.3E-12	6.64E-16	1.6E-14	8.86E-16	1.75921E-14	2.216E-12	1.7743E-06	2.2182E-07	5.59411E-13	2.68517E-15	2.7922E-13	4.46751E-16
33	571590.6	4177919	0.55, 41779	0.19949	0.18751	0.17419	94.68734	29.26563	123.69427	11.83592	5.30509	15.46178	1.98E-09	1.41E-06	1.76E-07	6.12E-13	1.85E-12	1.46E-12	7.44E-16	1.8E-14	9.91E-16	1.9696E-14	2.481E-12	1.4088E-06	1.76128E-07	6.26312E-13	3.0063E-15	3.12612E-13	5.00179E-16
34	570310.6	4177959	0.55, 41779	0.08597	0.06676	0.0838	56.89619	26.25101	62.23098	7.11202	4.18522	7.77887	9.55E-10	7.09E-07	8.86E-08	2.95E-13	8.89E-13	7.03E-13	3.58E-16	8.64E-15	4.77E-16	9.47475E-15	1.193E-12	7.0883E-07	8.86144E-08	3.01287E-13	1.44618E-15	1.50382E-13	2.40611E-16
35	570350.6	4177959	0.55, 41779	0.09204	0.07257	0.08995	58.96006	27.16756	63.77509	7.37001	4.19821	7.97189	1.02E-09	7.26E-07	9.08E-08	3.16E-13	9.55E-13	7.54E-13	3.84E-16	9.27E-15	5.12E-16	1.01701E-14	1.281E-12	7.2642E-07	9.08134E-08	3.23399E-13	1.55231E-15	1.61419E-13	2.5827E-16
36	570390.6	4177959	0.55, 41779	0.09833	0.07904	0.09639	63.0038	28.02201	66.12463	7.87548	4.15896	8.26558	1.1E-09	7.53E-07	9.42E-08	3.39E-13	1.02E-12	8.08E-13	4.11E-16	9.94E-15	5.49E-16	1.08983E-14	1.373E-12	7.5318E-07	9.41598E-08	3.46554E-13	1.66346E-15	1.72976E-13	2.76761E-16
37	570430.6	4177959	0.55, 41779	0.10461	0.08611	0.10266	70.72142	28.76698	72.80329	8.84018	4.23038	9.10041	1.17E-09	8.29E-07	1.04E-07	3.61E-13	1.09E-12	8.61E-13	4.38E-16	1.06E-14	5.84E-16	1.16072E-14	1.462E-12	8.2925E-07	1.03671E-07	3.69098E-13	1.77167E-15	1.84229E-13	2.94766E-16
38	570470.6	4177959	0.55, 41779	0.11098	0.09385	0.10929	78.78718	29.82596	80.74124	9.8484	4.47695	10.09265	1.24E-09	9.2E-07	1.15E-07	3.84E-13	1.16E-12	9.16E-13	4.67E-16	1.13E-14	6.22E-16	1.23569E-14	1.556E-12	9.1966E-07	1.14974E-07	3.92937E-13	1.8861E-15	1.96127E-13	3.13804E-16
39	570510.6	4177959	0.55, 41779	0.1169	0.10189	0.11567	83.26174	30.87615	84.48278	10.40772	4.70339	10.56035	1.32E-09	9.62E-07	1.2E-07	4.07E-13	1.23E-12	9.7E-13	4.94E-16	1.19E-14	6.58E-16	1.30784E-14	1.647E-12	9.6227E-07	1.20302E-07	4.15878E-13	1.99621E-15	2.07578E-13	3.32124E-16
40	570550.6	4177959	0.55, 41779	0.12213	0.11	0.12099	82.46075	31.83495	82.01237	10.30759	4.9071	10.25155	1.38E-09	9.34E-07	1.17E-07	4.25E-13	1.28E-12	1.01E-12	5.16E-16	1.25E-14	6.89E-16	1.368E-14	1.723E-12	9.3414E-07	1.16785E-07	4.35008E-13	2.08804E-15	2.17126E-13	3.47402E-16
41	570590.6	4177959	0.55, 41779	0.1275	0.1185	0.12492	87.61849	32.53805	91.54904	10.95231	5.6614	11.44363	1.42E-09	1.04E-06	1.3E-07	4.39E-13	1.33E-12	1.05E-12	5.33E-16	1.29E-14	7.11E-16	1.41245E-14	1.779E-12	1.0428E-06	1.30364E-07	4.49142E-13	2.15588E-15	2.24181E-13	3.5869E-16
42	570630.6	4177959	0.55, 41779	0.13429	0.12721	0.12893	94.25098	33.95012	99.61773	11.78137	6.34882	12.45222	1.47E-09	1.13E-06	1.42E-07	4.53E-13	1.37E-12	1.08E-12	5.5E-16	1.33E-14	7.34E-16	1.4578E-14	1.836E-12	1.1347E-06	1.41853E-07	4.63565E-13	2.22511E-15	2.3138E-13	3.70208E-16
43	570670.6	4177959	0.55, 41779	0.1434	0.13582	0.13624	91.47953	35.4429	96.20253	12.89467	6.97952	13.63762	1.55E-09	1.1E-06	1.55E-07	4.79E-13	1.45E-12	1.14E-12	5.82E-16	1.4E-14	7.75E-16	1.54046E-14	1.94E-12	1.0958E-06	1.55357E-07	4.89849E-13	2.35128E-15	2.44499E-13	3.91199E-16
44	570710.6	4177959	0.55, 41779	0.15342	0.14402	0.1467	103.54122	38.62398	108.53691	12.94265	7.57754	15.98544	1.67E-09	1.24E-06	1.82E-07	5.16E-13	1.56E-12	1.23E-12	6.26E-16	1.51E-14	8.35E-16	1.65872E-14	2.089E-12	1.2362E-06	1.82096E-07	5.27456E-13	2.53179E-15	2.6327E-13	4.21232E-16
45	570750.6	4177959	0.55, 41779	0.16261	0.1515	0.15549	105.52732	44.38977	114.23814	13.19092	8.09206	15.7724	1.77E-09	1.3E-06	1.8E-07	5.47E-13	1.65E-12	1.3E-12	6.64E-16	1.6E-14	8.85E-16	1.75811E-14	2.214E-12	1.3012E-06	1.7967E-07	5.59059E-13	2.68348E-15	2.79044E-13	4.46471E-16
46	570790.6	4177959	0.55, 41779	0.16989	0.15823	0.16076	113.60479	47.24143	124.57926	14.2006	8.3928	15.57241	1.83E-09	1.42E-06	1.77E-07	5.65E-13	1.71E-12	1.35E-12	6.86E-16	1.66E-14	9.15E-16	1.8177E-14	2.289E-12	1.419E-06	1.77396E-07	5.78009E-13	2.77444E-15	2.88503E-13	4.61604E-16
47	570830.6	4177959	0.55, 41779	0.1738	0.16401	0.16481	115.20896	49.45722	130.36471	14.40112	8.28774	16.29559	1.88E-09	1.48E-06	1.86E-07	5.79E-13	1.75E-12	1.38E-12	7.04E-16	1.7E-14	9.38E-16	1.8635E-14	2.347E-12	1.4849E-06	1.85632E-07	5.92572E-13	2.84435E-15	2.95772E-13	4.73235E-16
48	570870.6	4177959	0.55, 41779	0.17339	0.16851	0.16469	122.33209	52.01335	138.82114	15.29151	7.46689	17.35264	1.88E-09	1.58E-06	1.98E-07	5.79E-13	1.75E-12	1.38E-12	7.03E-16	1.7E-14	9.37E-16	1.86215E-14	2.345E-12	1.5812E-06	1.97674E-07	5.92145E-13	2.84229E-15	2.95558E-13	4.72893E-16
49	570910.6	4177959	0.55, 41779	0.16973	0.17204	0.1579	128.70888	55.67631	149.19916	16.08861	6.95954	18.64989	1.8E-09	1.7E-06	2.12E-07	5.55E-13	1.68E-12	1.32E-12	6.74E-16	1.63E-14	8.99E-16	1.78541E-14	2.249E-12	1.6994E-06	2.1245E-07	5.67741E-13	2.72516E-15	2.83378E-13	4.53404E-16
50	570950.6	4177959	0.55, 41779	0.16375	0.1746	0.15354	137.78687	58.35606	146.62449	21.41966	8.40086	22.62642	1.75E-09	1.67E-06	2.58E-07	5.4E-13	1.63E-12	1.29E-12	6.55E-16	1.58E-14	8.74E-16	1.73613E-14	2.186E-12	1.6701E-06	2.57755E-07	5.5207E-13	2.64994E-15	2.75556E-13	4.40889E-16
51	570990.6	4177959	0.55, 41779	0.1571	0.17611	0.15296	148.41379	62.43724	189.01685	21.20197	10.20575	28.13097	1.74E-09	2.15E-06	3.2E-07	5.38E-13	1.62E-12	1.28E-12	6.53E-16	1.58E-14	8.71E-16	1.72958E-14	2.178E-12	2.1529E-06	3.20445E-07	5.49986E-13	2.63993E-15	2.74516E-13	4.39225E-16
52	571030.6	4177959	0.55, 41779	0.15135	0.1787	0.14372	141.29712	68.4386	198.29024	19.05284	11.40643	25.9054	1.64E-09	2.26E-06	2.95E-07	5.05E-13	1.53E-12	1.21E-12	6.14E-16	1.48E-14	8.18E-16	1.62513E-14	2.047E-12	2.2585E-06	2.95091E-07	5.16775E-13	2.48052E-15	2.57939E-13	4.12702E-16
53	571070.6	4177959	0.55, 41779	0.14838	0.1815	0.13361	143.49488	74.36914	202.29359	18.79197	11.80682	25.2867	1.52E-09	2.3E-06	2.88E-07	4.7E-13	1.42E-12	1.12E-12	5.7E-16	1.38E-14	7.61E-16	1.51086E-14	1.903E-12	2.3041E-06	2.88044E-07	4.80437E-13	2.3061E-15	2.39801E-13	3.83682E-16
54	571110.6	4177959	0.55, 41779	0.14858	0.18375	0.13332	140.62761	73.34522	192.64407	22.74237	10.22286	24.08051	1.52E-09	2.19E-06	2.74E-07	4.69E-13	1.42E-12	1.12E-12	5.69E-16	1.37E-14	7.59E-16	1.50759E-14	1.899E-12	2.1942E-06	2.7432E-07	4.79396E-13	2.3011E-15	2.39282E-13	3.82851E-16
55	571150.6	4177959	0.55, 41779	0.14994	0.18566	0.14292	146.3467	67.83983	199.40983	22.92053	11.48399	30.37919	1.63E-09	2.27E-06	3.46E-07	5.02E-13	1.52E-12	1.2E-12	6.1E-16	1.47E-14	8.14E-16	1.61611E-14	2.035E-12	2.2713E-06	3.46055E-07	5.13905E-13	2.46674E-15	2.56506E-13	4.1041E-16
56	571190.6	4177959	0.55, 41779	0.1525	0.18616	0.14359	161.89014	78.97315	204.49698	23.12716	11.84075	29.21385	1.64E-09	2.33E-06	3.33E-07	5.05E-13	1.52E-12	1.2E-12	6.13E-16	1.48E-14	8.17E-16	1.62368E-14	2.045E-12	2.3293E-06	3.32783E-07	5.16314E-13	2.47831E-15	2.57709E-13	4.12334E-16
57	571230.6	4177959	0.55, 41779	0.15542	0.18516	0.1383	156.07845	81.92899	197.17574	22.29692	11.22006	24.64697	1.58E-09	2.25E-06	2.81E-07	4.86E-13	1.47E-12	1.16E-12	5.9E-16	1.43E-14	7.87E-16	1.56389E-14	1.97E-12	2.2459E-06	2.8077E-07	4.97299E-13	2.38703E-15	2.48218E-13	3.97148E-16
58	571270.6	4177959	0.55, 41779	0.15909	0.18379	0.14205	158.42767	82.70179	205.30007	19.80346	11.54254	29.32858	1.62E-09	2.34E-06	3.34E-07	4.99E-13	1.51E-12	1.19E-12	6.06E-16	1.46E-14	8.09E-16	1.60627E-14	2.023E-12	2.3384E-06	3.3408E-07	5.10777E-13	2.45173E-15	2.54945E-13	4.07912E-16
59	571310.6	4177959	0.55, 41779	0.1655	0.18382	0.1484	150.26158	75.50789	204.0765	18.7827	10.48328	25.50956	1.69E-09	2.32E-06	2.91E-07	5.22E-13	1.58E-12	1.24E-12	6.34E-16	1.53E-14	8.45E-16	1.67805E-14	2.113E-12	2.3244E-06	2.90582E-07	5.33603E-13	2.56129E-15	2.66338E-13	4.26141E-16
60	571350.6	4177959	0.55, 41779	0.17654	0.1881	0.15257	154.82597	60.83045	189.56737	19.35325	9.71095	23.69592	1.74E-09	2.16E-06	2.7E-07	5.36E-13	1.62E-12	1.28E-12	6.51E-16	1.57E-14	8.68E-16	1.72521E-14	2.173E-12	2.1592E-06	2.69929E-07	5.48597E-13	2.63327E-15	2.73822E-13	4.38116E-16
61	571390.6	4177959	0.55, 41779	0.18842	0.1934	0.15428	152.92189	54.55359	214.59873	19.11524	9.16318	26.82484	1.76E-09	2.44E-06	3.06E-07	5.42E-13	1.64E-12	1.29E-12	6.59E-16	1.59E-14	8.78E-16	1.74455E-14	2.197E-12	2.4442E-06	3.05563E-07	5.54749E-13	2.6628E-15	2.76893E-13	4.43029E-16
62	571430.6	4177959	0.55, 41779	0.20645	0.20414	0.16292	148.33328	50.38722	217.66749	18.54166	8.09078	27.20844	1.86E-09	2.48E-06	3.1E-07	5.73E-13	1.73E-12	1.37E-12	6.95E-16	1.68E-14	9.27E-16	1.84225E-14	2.32E-12	2.4792E-06	3.0993E-07	5.85817E-13	2.81192E-15	2.924E-13	4.6784E-16
63	571470.6	4177959	0.55, 41779	0.22554	0.21577	0.17809	134.13897	46.24246	185.84967	16.76737	6.92684	23.23121	2.03E-09	2.12E-06	2.65E-07	6.26E-13	1.89E-12	1.49E-12	7.6E-16	1.84E-14	1.01E-15	2.01377E-14	2.536E-12	2.1168E-06	2.64628E-07	6.40358E-13	3.07372E-15	3.19623E-13	5.11397E-16
64	571510.6	4177959	0.55, 41779	0.24332	0.22654	0.20114	122.33786	38.55117	174.21255	15.29223	6.75463	21.77657	2.29E-09	1.98E-06	2.48E-07	7.07E-13	2.14E-12	1.69E-12	8.59E-16	2.07E-14	1.14E-15	2.27436E-14	2.864E-12	1.9842E-06	2.48057E-07	7.23222E-13	3.47147E-15	3.60983E-13	5.77573E-16
65	571550.6	4177959	0.55, 41779	0.25539	0.23344	0.22684	100.38932	31.1899	131.18831	12.54867	6.13877	16.39854	2.58E-09	1.49E-06	1.87E-07	7.97E-13	2.41E-12	1.9E-12	9.68E-16	2.34E-14	1.29E-15	2.56489E-14	3.23E-12	1.4942E-06	1.86799E-07	8.15608E-13	3.91492E-15	4.07096E-13	6.51354E-16
66	571590.6	4177959	0.55, 41779	0.26174	0.2364	0.25018	103.20811	24.1035	113.64553	12.90101	5.55119	14.20569	2.85E-09	1.29E-06	1.62E-07	8.79E-13	2.66E-12	2.1E-12	1.07E-15	2.58E-14	1.42E-15	2.82873E-14	3.563E-12	1.2944E-06	1.61826E-07	8.99507E-13	4.31763E-15	4.48973E-13	7.18356E-16
67	570310.6	4177999	0.55, 41779	0.08992	0.06909	0.08739	61.55411	26.71644	63.33313	7.69426	4.42886	7.91664	9.95E-10	7.21E-07	9.02E-08	3.07E-13	9.28E-13	7.33E-13	3.73E-16	9.01E-15	4.97E-16	9.88063E-15	1.244E-12	7.2138E-07	9.01852E-08	3.14193E-13	1.50813E-15	1.56824E-13	2.50918E-16
68	570350.6	4177999	0.55, 41779	0.09687	0.07551	0.09431	63.16088	27.72336	68.96816	7.89511	4.52605	8.62102	1.07E-09	7.86E-07	9.82E-08	3.32E-13	1E-12	7.91E-13	4.03E-16	9.72E-15	5.37E-16	1.06631E-14	1.343E-12	7.8556E-07	9.82079E-08	3.39074E-13	1.62755E-15	1.69243E-13	2.70788E-16
69	570390.6	4177999	0.55, 41779	0.10411	0.08268	0.10154	65.18315	28.66629	70.59128	8.14789	4.5901	8.82391	1.16E-09	8.04E-07	1.01E-07	3.57E-13	1.08E-12	8.51E-13	4.33E-16	1.05E-14	5.78E-16	1.14805E-14	1.446E-12	8.0405E-07	1.00519E-07	3.65069E-13	1.75233E-15	1.82218E-13	2.91548E-16
70	570430.6	4177999	0.55, 41779	0.11178	0.0909	0.10932	69.77828	29.77159	73.90272	8.72229	4.64595	9.23784	1.25E-09	8.42E-07	1.05E-07	3.84E-13	1.16E-12	9.17E-13	4.67E-16	1.13E-14	6.22E-16	1.23602E-14	1.557E-12	8.4177E-07	1.05235E-07	3.93042E-13	1.8866E-15	1.9618E-13	3.13888E-16
71	570470.6	4177999	0.55, 41779	0.11947	0.09994	0.11702	73.23749	30.82615	79.61188	9.15469	4.70414	9.95148	1.33E-09	9.07E-07	1.13E-07	4.11E-13	1.24E-12	9.81E-13	4.99E-16	1.21E-14	6.66E-16	1.32309E-14	1.666E-12	9.0679E-07	1.13364E-07	4.20729E-13	2.0195E-15	2.09999E-13	3.35999E-16
72	570510.6	4177999	0.55, 41779	0.12689	0.1096	0.1248	83.36058	31.87471	86.19643	10.42007	5.00665	10.77455	1.42E-09	9.82E-07	1.23E-07	4.39E-13	1.32E-12	1.05E-12	5.33E-16	1.29E-14	7.1E-16	1.41106E-14	1.777E-12	9.8179E-07	1.22742E-07	4.48703E-13	2.15378E-15	2.23962E-13	3.58339E-16
73	570550.6	4177999	0.55, 41779	0.1338	0.11968	0.13227	93.92369	33.13511	96.59692	11.74046	5.30601	12.07462	1.51E-09	1.1E-06	1.38E-07	4.65E-13	1.4E-12	1.11E-12	5.65E-16	1.36E-14	7.53E-16	1.49553E-14	1.883E-12	1.1002E-06	1.37552E-07	4.75564E-13	2.28271E-15	2.37369E-13	3.7979E-16
74	570590.6	4177999	0.55, 41779	0.14077	0.13095	0.13895	98.98148	34.43475	100.81152	12.37268	5.77536	12.60144	1.58E-09	1.15E-06	1.44E-07	4.88E-13	1.47E-12	1.16E-12	5.93E-16	1.43E-14	7.91E-16	1.57108E-14	1.979E-12	1.1483E-06	1.43554E-07	4.99586E-13	2.39801E-15	2.49359E-13	3.98975E-16
75	570630.6	4177999	0.55, 41779	0.14863	0.14246	0.14416	96.29887	35.58815	97.29546	12.03736	6.62596	12.16193	1.64E-09	1.11E-06	1.39E-07	5.07E-13	1.53E-12	1.21E-12	6.15E-16	1.49E-14	8.21E-16	1.63E-14	2.053E-12	1.1082E-06	1.38548E-07	5.18324E-13	2.48795E-15	2.58712E-13	4.13939E-16
76	570670.6	4177999	0.55, 41779	0.15906	0.15417	0.15133	108.0953	37.02771	115.61321	13.51191	7.37805	14.45165	1.72E-09	1.32E-06	1.65E-07	5.32E-13	1.61E-12	1.27E-12	6.46E-16	1.56E-14	8.61E-16	1.71109E-14	2.155E-12	1.3168E-06	1.64629E-07	5.44108E-13	2.61172E-15	2.71582E-13	4.34531E-16
77	570710.6	4177999	0.55, 41779	0.17207	0.16581	0.16328	109.21603	39.28347	116.55796	14.39109	8.06843	17.60456	1.86E-09	1.33E-06	2.01E-07	5.74E-13	1.73E-12	1.37E-12	6.97E-16	1.68E-14	9.29E-16	1.84621E-14	2.325E-12	1.3276E-06	2.0054E-07	5.87074E-13	2.81795E-15	2.93027E-13	4.68844E-16
78	570750.6	4177999	0.55, 41779	0.18601	0.17706	0.17647	119.66853	46.10023	126.10142	14.95857	8.7788	16.77146	2.01E-09	1.44E-06	1.91E-07	6.2E-13	1.87E-12	1.48E-12	7.53E-16	1.82E-14	1E-15	1.99534E-14	2.513E-12	1.4363E-06	1.91054E-07	6.34497E-13	3.04558E-15	3.16698E-13	5.06716E-16
79	570790.6	4177999	0.55, 41779	0.19953	0.18772	0.18696	122.67556	49.8289	134.57394	15.33445	9.45426	16.82174	2.13E-09	1.53E-06	1.92E-07	6.57E-13	1.98E-12	1.57E-12	7.98E-16	1.93E-14	1.06E-15	2.11395E-14	2.662E-12	1.5328E-06	1.91628E-07	6.72214E-13	3.22663E-15	3.35523E-13	5.36837E-16
80	570830.6	4177999	0.55, 41779	0.21109	0.19773	0.1968	133.54261	52.4094	148.58094	16.69283	9.90962	18.57262	2.24E-09	1.69E-06	2.12E-07	6.92E-13	2.09E-12	1.65E-12	8.4E-16	2.03E-14	1.12E-15	2.22521E-14	2.802E-12	1.6924E-06	2.11572E-07	7.07594E-13	3.39645E-15	3.53183E-13	5.65092E-16
81	570870.6	4177999	0.55, 41779	0.21804	0.20674	0.20398	131.45449	55.15858	156.57352	16.43181	9.77159	19.57169	2.32E-09	1.78E-06	2.23E-07	7.17E-13	2.17E-12	1.71E-12	8.71E-16	2.1E-14	1.16E-15	2.3064E-14	2.905E-12	1.7834E-06	2.2295E-07	7.33411E-13	3.52037E-15	3.66069E-13	5.8571E-16
82	570910.6	4177999	0.55, 41779	0.21803	0.21414	0.20286	148.11273	59.13207	173.84644	18.51409	8.43226	21.73081	2.31E-09	1.98E-06	2.48E-07	7.13E-13	2.15E-12	1.7E-12	8.66E-16	2.09E-14	1.15E-15	2.29376E-14	2.889E-12	1.9801E-06	2.47546E-07	7.29391E-13	3.50108E-15	3.64063E-13	5.825E-16
83	570950.6	4177999	0.55, 41779	0.2114	0.21889	0.19586	140.12444	63.58464	170.21851	21.83562	9.32684	21.27731	2.23E-09	1.94E-06	2.42E-07	6.89E-13	2.08E-12	1.64E-12	8.36E-16	2.02E-14	1.11E-15	2.21465E-14	2.789E-12	1.9388E-06	2.42392E-07	7.04233E-13	3.38032E-15	3.51505E-13	5.62409E-16
84	570990.6	4177999	0.55, 41779	0.2013	0.22185	0.19061	171.25011	67.61488	221.4052	25.43318	11.18299	33.45295	2.17E-09	2.52E-06	3.81E-07	6.7E-13	2.02E-12	1.6E-12	8.14E-16	1.97E-14	1.08E-15	2.15531E-14	2.714E-12	2.5218E-06	3.81069E-07	6.85364E-13	3.28975E-15	3.42087E-13	5.47339E-16
85	571030.6	4177999	0.55, 41779	0.19301	0.22456	0.1804	161.4506	75.02365	233.40135	21.94671	12.50394	33.34305	2.06E-09	2.66E-06	3.8E-07	6.34E-13	1.91E-12	1.51E-12	7.7E-16	1.86E-14	1.03E-15	2.0399E-14	2.569E-12	2.6584E-06	3.79806E-07	6.48666E-13	3.1136E-15	3.2377E-13	5.18032E-16
86	571070.6	4177999	0.55, 41779	0.18927	0.22808	0.16676	165.36156	82.48884	231.46597	21.97245	12.95225	28.93325	1.9E-09	2.64E-06	3.3E-07	5.86E-13	1.77E-12	1.4E-12	7.12E-16	1.72E-14	9.49E-16	1.88572E-14	2.375E-12	2.6364E-06	3.29584E-07	5.9964E-13	2.87827E-15	2.99299E-13	4.78879E-16
87	571110.6	4177999	0.55, 41779	0.18141	0.21619	0.16049	158.60632	80.72549	237.56536	25.62624	11.81551	29.69982	1.83E-09	2.71E-06	3.38E-07	5.64E-13	1.7E-12	1.35E-12	6.85E-16	1.65E-14	9.14E-16	1.81481E-14	2.286E-12	2.7059E-06	3.38326E-07	5.77091E-13	2.77004E-15	2.88044E-13	4.60871E-16
88	571150.6	4177999	0.55, 41779	0.19202	0.23351	0.18032	164.05988	80.42402	231.86209	24.96785	14.13496	37.65816	2.05E-09	2.64E-06	4.29E-07	6.34E-13	1.91E-12	1.51E-12	7.7E-16	1.86E-14	1.03E-15	2.03902E-14	2.568E-12	2.6409E-06	4.2896E-07	6.48386E-13	3.11225E-15	3.2363E-13	5.17808E-16
89	571190.6	4177999	0.55, 41779	0.1978	0.23414	0.17819	182.21875	91.74664	241.78028	26.03125	13.21695	31.92825	2.03E-09	2.75E-06	3.64E-07	6.26E-13	1.89E-12	1.49E-12	7.61E-16	1.84E-14	1.01E-15	2.01495E-14	2.538E-12	2.7539E-06	3.63706E-07	6.40731E-13	3.07551E-15	3.19809E-13	5.11695E-16
90	571230.6	4177999	0.55, 41779	0.20367	0.23289	0.17473	172.67663	91.69738	231.55794	22.62496	13.85272	33.07971	1.99E-09	2.64E-06	3.77E-07	6.14E-13	1.85E-12	1.47E-12	7.46E-16	1.8E-14	9.95E-16	1.97583E-14	2.488E-12	2.6375E-06	3.76809E-07	6.28293E-13	3.01581E-15	3.13601E-13	5.01762E-16
91	571270.6	4177999	0.55, 41779	0.21358	0.23476	0.18394	171.66845	86.35935	210.57834	21.45856	13.01074	28.58393	2.1E-09	2.4E-06	3.26E-07	6.47E-13	1.95E-12	1.54E-12	7.85E-16	1.9E-14	1.05E-15	2.07995E-14	2.619E-12	2.3985E-06	3.25604E-07	6.61401E-13	3.17473E-15	3.30127E-13	5.28202E-16
92	571310.6	4177999	0.55, 41779	0.23025	0.24083	0.19159	171.26207	72.34733	231.62674	21.40776	11.81711	28.95334	2.18E-09	2.64E-06	3.3E-07	6.74E-13	2.03E-12	1.61E-12	8.18E-16	1.98E-14	1.09E-15	2.16645E-14	2.728E-12	2.6382E-06	3.29811E-07	6.88906E-13	3.30675E-15	3.43855E-13	5.50168E-16
93	571350.6	4177999	0.55, 41779	0.25373	0.25254	0.198	169.27826	60.68614	249.61103	21.15978	11.13084	31.20138	2.26E-09	2.84E-06	3.55E-07	6.96E-13	2.1E-12	1.66E-12	8.45E-16	2.04E-14	1.13E-15	2.23894E-14	2.82E-12	2.843E-06	3.55413E-07	7.1196E-13	3.41741E-15	3.55362E-13	5.68579E-16
94	571390.6	4177999	0.55, 41779	0.27999	0.26698	0.21185	164.13881	55.69534	253.30621	20.51735	9.69774	31.66328	2.41E-09	2.89E-06	3.61E-07	7.45E-13	2.25E-12	1.78E-12	9.04E-16	2.18E-14	1.21E-15	2.39555E-14	3.017E-12	2.8851E-06	3.60671E-07	7.61759E-13	3.65644E-15	3.80218E-13	6.08349E-16
95	571430.6	4177999	0.55, 41779	0.30187	0.27888	0.2328	148.06777	50.74185	217.39094	18.50847	8.30154	27.17387	2.65E-09	2.48E-06	3.1E-07	8.18E-13	2.47E-12	1.95E-12	9.94E-16	2.4E-14	1.33E-15	2.63241E-14	3.315E-12	2.476E-06	3.09536E-07	8.37076E-13	4.01797E-15	4.17812E-13	6.68499E-16
96	571470.6	4177999	0.55, 41779	0.32222	0.29016	0.268	133.22849	41.8567	195.88733	16.65356	8.00082	24.48592	3.05E-09	2.23E-06	2.79E-07	9.42E-13	2.84E-12	2.25E-12	1.14E-15	2.76E-14	1.53E-15	3.03034E-14	3.816E-12	2.2311E-06	2.78918E-07	9.63615E-13	4.62535E-15	4.80971E-13	7.69553E-16
97	571510.6	4177999	0.55, 41779	0.33311	0.29527	0.30394	113.25391	33.39085	138.27651	14.15674	7.16119	17.28456	3.46E-09	1.57E-06	1.97E-07	1.07E-12	3.23E-12	2.55E-12	1.3E-15	3.13E-14	1.73E-15	3.43662E-14	4.328E-12	1.5749E-06	1.96895E-07	1.09281E-12	5.24547E-15	5.45455E-13	8.72728E-16
98	571550.6	4177999	0.55, 41779	0.33431	0.29408	0.33024	118.79132	25.19774	142.42424	14.84891	6.75336	17.80303	3.76E-09	1.62E-06	2.03E-07	1.16E-12	3.51E-12	2.77E-12	1.41E-15	3.4E-14	1.88E-15	3.7339E-14	4.702E-12	1.6222E-06	2.02802E-07	1.18734E-12	5.69924E-15	5.9264E-13	9.48224E-16
99	571590.6	4177999	0.55, 41779	0.32897	0.28857	0.34209	117.12124	19.87515	150.29933	14.64016	6.7762	18.78742	3.9E-09	1.71E-06	2.14E-07	1.2E-12	3.63E-12	2.87E-12	1.46E-15	3.53E-14	1.95E-15	3.86784E-14	4.871E-12	1.7118E-06	2.14012E-07	1.22993E-12	5.90367E-15	6.13898E-13	9.82236E-16
100	570310.6	4178039	0.55, 41780	0.09395	0.07118	0.09114	60.38117	27.45867	68.75884	7.54765	4.57644	8.59485	1.04E-09	7.83E-07	9.79E-08	3.2E-13	9.67E-13	7.64E-13	3.89E-16	9.4E-15	5.19E-16	1.03046E-14	1.298E-12	7.8318E-07	9.79088E-08	3.27675E-13	1.57284E-15	1.63553E-13	2.61685E-16
101	570350.6	4178039	0.55, 41780	0.10181	0.07823	0.09867	67.40685	28.30867	69.9761	8.42586	4.71811	8.74701	1.12E-09	7.97E-07	9.96E-08	3.47E-13	1.05E-12	8.27E-13	4.21E-16	1.02E-14	5.62E-16	1.1156E-14	1.405E-12	7.9705E-07	9.96444E-08	3.54749E-13	1.70279E-15	1.77066E-13	2.83306E-16
102	570390.6	4178039	0.55, 41780	0.11033	0.08626	0.10708	70.86935	29.39362	77.00767	8.85867	4.86131	9.62596	1.22E-09	8.77E-07	1.1E-07	3.76E-13	1.14E-12	8.98E-13	4.57E-16	1.1E-14	6.09E-16	1.21069E-14	1.525E-12	8.7713E-07	1.09656E-07	3.84986E-13	1.84793E-15	1.92159E-13	3.07454E-16
103	570430.6	4178039	0.55, 41780	0.11935	0.09539	0.11615	72.77771	30.53752	78.92837	9.09721	4.99157	9.86605	1.32E-09	8.99E-07	1.12E-07	4.08E-13	1.23E-12	9.74E-13	4.96E-16	1.2E-14	6.61E-16	1.31324E-14	1.654E-12	8.9901E-07	1.12391E-07	4.17597E-13	2.00447E-15	2.08436E-13	3.33498E-16
104	570470.6	4178039	0.55, 41780	0.12876	0.10583	0.1256	77.88414	31.78332	83.40463	9.73552	5.12346	10.42558	1.43E-09	9.5E-07	1.19E-07	4.42E-13	1.33E-12	1.05E-12	5.36E-16	1.3E-14	7.15E-16	1.4201E-14	1.788E-12	9.4999E-07	1.18765E-07	4.51576E-13	2.16756E-15	2.25396E-13	3.60633E-16
105	570510.6	4178039	0.55, 41780	0.13797	0.11733	0.13491	81.61557	33.05226	90.60057	10.20195	5.27698	11.32507	1.54E-09	1.03E-06	1.29E-07	4.74E-13	1.43E-12	1.13E-12	5.76E-16	1.39E-14	7.68E-16	1.52537E-14	1.921E-12	1.032E-06	1.29011E-07	4.85051E-13	2.32825E-15	2.42105E-13	3.87368E-16
106	570550.6	4178039	0.55, 41780	0.14677	0.12979	0.14418	83.22783	34.40977	92.92473	10.40348	5.64664	11.61559	1.64E-09	1.06E-06	1.32E-07	5.07E-13	1.53E-12	1.21E-12	6.15E-16	1.49E-14	8.21E-16	1.63019E-14	2.053E-12	1.0584E-06	1.3232E-07	5.18384E-13	2.48825E-15	2.58742E-13	4.13988E-16
107	570590.6	4178039	0.55, 41780	0.15543	0.14397	0.15331	100.7883	35.81672	104.85134	12.59854	6.05306	13.10642	1.75E-09	1.19E-06	1.49E-07	5.39E-13	1.63E-12	1.29E-12	6.54E-16	1.58E-14	8.73E-16	1.73344E-14	2.183E-12	1.1943E-06	1.49306E-07	5.51216E-13	2.64583E-15	2.75129E-13	4.40207E-16
108	570630.6	4178039	0.55, 41780	0.16446	0.15887	0.16086	114.63184	37.47906	118.86748	14.32898	6.85921	14.85844	1.83E-09	1.35E-06	1.69E-07	5.65E-13	1.71E-12	1.35E-12	6.87E-16	1.66E-14	9.16E-16	1.81883E-14	2.291E-12	1.3539E-06	1.69265E-07	5.78368E-13	2.77617E-15	2.88682E-13	4.61891E-16
109	570670.6	4178039	0.55, 41780	0.17604	0.17458	0.16859	120.19022	39.09251	122.97013	15.02378	7.81169	15.37127	1.92E-09	1.4E-06	1.75E-07	5.93E-13	1.79E-12	1.41E-12	7.2E-16	1.74E-14	9.6E-16	1.90626E-14	2.401E-12	1.4006E-06	1.75108E-07	6.06169E-13	2.90961E-15	3.02558E-13	4.84093E-16
110	570710.6	4178039	0.55, 41780	0.19156	0.191	0.18153	122.05191	40.81454	130.55962	15.86896	8.63568	17.88475	2.07E-09	1.49E-06	2.04E-07	6.38E-13	1.93E-12	1.52E-12	7.75E-16	1.87E-14	1.03E-15	2.05258E-14	2.585E-12	1.4871E-06	2.03736E-07	6.52698E-13	3.13295E-15	3.25782E-13	5.21252E-16
111	570750.6	4178039	0.55, 41780	0.2105	0.20761	0.19902	132.53323	47.68084	144.79481	16.56665	9.43658	19.64627	2.27E-09	1.65E-06	2.24E-07	7E-13	2.11E-12	1.67E-12	8.5E-16	2.05E-14	1.13E-15	2.25033E-14	2.834E-12	1.6492E-06	2.238E-07	7.15582E-13	3.43479E-15	3.5717E-13	5.71472E-16
112	570790.6	4178039	0.55, 41780	0.23169	0.22417	0.21523	139.552	52.7884	147.64201	17.444	10.33029	19.40572	2.45E-09	1.68E-06	2.21E-07	7.57E-13	2.28E-12	1.8E-12	9.19E-16	2.22E-14	1.23E-15	2.43362E-14	3.065E-12	1.6817E-06	2.21063E-07	7.73866E-13	3.71455E-15	3.86261E-13	6.18018E-16
113	570830.6	4178039	0.55, 41780	0.25382	0.24067	0.23208	145.24751	55.81087	161.73262	18.15594	11.28689	20.21658	2.64E-09	1.84E-06	2.3E-07	8.16E-13	2.46E-12	1.95E-12	9.91E-16	2.39E-14	1.32E-15	2.62414E-14	3.305E-12	1.8421E-06	2.303E-07	8.3445E-13	4.00536E-15	4.16501E-13	6.66401E-16
114	570870.6	4178039	0.55, 41780	0.27385	0.25672	0.25028	159.27674	59.06353	181.66903	19.90959	12.04587	22.70863	2.85E-09	2.07E-06	2.59E-07	8.8E-13	2.66E-12	2.1E-12	1.07E-15	2.58E-14	1.42E-15	2.82993E-14	3.564E-12	2.0692E-06	2.58687E-07	8.99886E-13	4.31945E-15	4.49162E-13	7.18659E-16
115	570910.6	4178039	0.55, 41780	0.28498	0.272	0.26185	154.31681	63.03506	190.144	19.2896	11.80173	23.768	2.98E-09	2.17E-06	2.71E-07	9.21E-13	2.78E-12	2.2E-12	1.12E-15	2.7E-14	1.49E-15	2.96076E-14	3.729E-12	2.1657E-06	2.7075E-07	9.41489E-13	4.51915E-15	4.69927E-13	7.51883E-16
116	570950.6	4178039	0.55, 41780	0.28313	0.28254	0.2606	178.15221	69.82475	214.80591	22.26903	10.41815	26.85074	2.97E-09	2.45E-06	3.06E-07	9.16E-13	2.77E-12	2.18E-12	1.11E-15	2.69E-14	1.48E-15	2.94666E-14	3.711E-12	2.4466E-06	3.05868E-07	9.37005E-13	4.49762E-15	4.67689E-13	7.48302E-16
117	570990.6	4178039	0.55, 41780	0.27042	0.28832	0.24711	188.87787	74.10995	223.28286	29.14051	12.35166	34.29706	2.82E-09	2.54E-06	3.91E-07	8.69E-13	2.62E-12	2.07E-12	1.05E-15	2.55E-14	1.41E-15	2.79418E-14	3.519E-12	2.5432E-06	3.90694E-07	8.88519E-13	4.26489E-15	4.43488E-13	7.09581E-16
118	571030.6	4178039	0.55, 41780	0.25749	0.29249	0.23391	188.96663	83.29257	277.8919	26.99523	13.88209	39.69884	2.66E-09	3.17E-06	4.52E-07	8.22E-13	2.48E-12	1.96E-12	9.99E-16	2.41E-14	1.33E-15	2.64498E-14	3.331E-12	3.1652E-06	4.52207E-07	8.41074E-13	4.03716E-15	4.19807E-13	6.71691E-16
119	571070.6	4178039	0.55, 41780	0.25163	0.29646	0.21613	192.59035	92.57991	271.23553	26.01862	14.40126	34.27332	2.46E-09	3.09E-06	3.9E-07	7.6E-13	2.29E-12	1.81E-12	9.23E-16	2.23E-14	1.23E-15	2.444E-14	3.078E-12	3.0894E-06	3.90414E-07	7.77167E-13	3.7304E-15	3.87909E-13	6.20654E-16
120	571110.6	4178039	0.55, 41780	0.23996	0.28057	0.20816	179.79911	89.13384	295.00102	29.33997	15.522	36.88643	2.37E-09	3.36E-06	4.2E-07	7.32E-13	2.21E-12	1.75E-12	8.89E-16	2.15E-14	1.18E-15	2.35386E-14	2.964E-12	3.36E-06	4.20184E-07	7.48503E-13	3.59282E-15	3.73602E-13	5.97763E-16
121	571150.6	4178039	0.55, 41780	0.25767	0.30302	0.23363	202.30498	100.11261	284.90591	28.90071	16.95197	47.48432	2.66E-09	3.25E-06	5.41E-07	8.21E-13	2.48E-12	1.96E-12	9.97E-16	2.41E-14	1.33E-15	2.64184E-14	3.327E-12	3.2451E-06	5.40881E-07	8.40077E-13	4.03237E-15	4.19309E-13	6.70895E-16
122	571190.6	4178039	0.55, 41780	0.27122	0.30641	0.22867	194.68377	101.89225	297.80862	27.81197	16.7188	37.22608	2.61E-09	3.39E-06	4.24E-07	8.04E-13	2.43E-12	1.92E-12	9.76E-16	2.36E-14	1.3E-15	2.58579E-14	3.257E-12	3.392E-06	4.24048E-07	8.22253E-13	3.94681E-15	4.10413E-13	6.5666E-16
123	571230.6	4178039	0.55, 41780	0.28804	0.31092	0.2326	196.84209	99.06119	294.63263	24.60526	16.26482	42.09038	2.65E-09	3.36E-06	4.79E-07	8.18E-13	2.47E-12	1.95E-12	9.93E-16	2.4E-14	1.32E-15	2.63023E-14	3.313E-12	3.3559E-06	4.79437E-07	8.36385E-13	4.01465E-15	4.17466E-13	6.67946E-16
124	571270.6	4178039	0.55, 41780	0.31661	0.32283	0.24843	191.8709	85.51951	280.99547	23.98386	14.63938	35.12443	2.83E-09	3.2E-06	4E-07	8.73E-13	2.64E-12	2.08E-12	1.06E-15	2.56E-14	1.41E-15	2.80921E-14	3.538E-12	3.2005E-06	4.00101E-07	8.93299E-13	4.28783E-15	4.45874E-13	7.13398E-16
125	571310.6	4178039	0.55, 41780	0.35598	0.34149	0.26147	189.38373	68.10225	290.04443	23.67297	13.72977	36.25555	2.98E-09	3.3E-06	4.13E-07	9.19E-13	2.78E-12	2.19E-12	1.12E-15	2.7E-14	1.49E-15	2.95668E-14	3.724E-12	3.3035E-06	4.12982E-07	9.40192E-13	4.51292E-15	4.6928E-13	7.50847E-16
126	571350.6	4178039	0.55, 41780	0.39399	0.35989	0.2835	182.95784	62.01914	299.45287	22.86973	11.81322	37.43161	3.23E-09	3.41E-06	4.26E-07	9.97E-13	3.01E-12	2.38E-12	1.21E-15	2.92E-14	1.61E-15	3.20576E-14	4.037E-12	3.4106E-06	4.26373E-07	1.0194E-12	4.89311E-15	5.08814E-13	8.14103E-16
127	571390.6	4178039	0.55, 41780	0.4222	0.3733	0.32107	164.47464	56.17724	258.72398	20.55933	10.13431	32.3405	3.66E-09	2.95E-06	3.68E-07	1.13E-12	3.41E-12	2.69E-12	1.37E-15	3.31E-14	1.83E-15	3.6305E-14	4.572E-12	2.9468E-06	3.68384E-07	1.15446E-12	5.5414E-15	5.76227E-13	9.21963E-16
128	571430.6	4178039	0.55, 41780	0.44026	0.38105	0.3744	146.31006	45.8458	221.86738	18.28876	9.60517	27.73342	4.27E-09	2.53E-06	3.16E-07	1.32E-12	3.97E-12	3.14E-12	1.6E-15	3.86E-14	2.13E-15	4.23336E-14	5.331E-12	2.527E-06	3.15908E-07	1.34616E-12	6.46158E-15	6.71912E-13	1.07506E-15
129	571470.6	4178039	0.55, 41780	0.44344	0.3799	0.42037	134.05635	35.96521	154.66668	16.75704	8.42199	19.33334	4.79E-09	1.76E-06	2.2E-07	1.48E-12	4.46E-12	3.52E-12	1.79E-15	4.33E-14	2.39E-15	4.75299E-14	5.986E-12	1.7616E-06	2.20236E-07	1.5114E-12	7.25472E-15	7.54388E-13	1.20702E-15
130	571510.6	4178039	0.55, 41780	0.43369	0.37075	0.44522	135.2804	26.4112	176.84451	16.91005	8.14543	22.10556	5.07E-09	2.01E-06	2.52E-07	1.57E-12	4.73E-12	3.73E-12	1.9E-15	4.59E-14	2.53E-15	5.03386E-14	6.34E-12	2.0142E-06	2.51809E-07	1.60071E-12	7.68343E-15	7.98968E-13	1.27835E-15
131	571550.6	4178039	0.55, 41780	0.4157	0.35641	0.44493	128.00174	25.24959	172.96462	16.00022	7.84928	21.62058	5.07E-09	1.97E-06	2.46E-07	1.56E-12	4.72E-12	3.73E-12	1.9E-15	4.59E-14	2.53E-15	5.03054E-14	6.335E-12	1.97E-06	2.46283E-07	1.59966E-12	7.67836E-15	7.9844E-13	1.2775E-15
132	571590.6	4178039	0.55, 41780	0.38889	0.33646	0.4222	114.21376	28.264	151.26331	14.27672	7.21894	18.90791	4.81E-09	1.72E-06	2.15E-07	1.48E-12	4.48E-12	3.54E-12	1.8E-15	4.35E-14	2.4E-15	4.77354E-14	6.012E-12	1.7228E-06	2.15383E-07	1.51793E-12	7.28608E-15	7.57649E-13	1.21224E-15
133	570310.6	4178079	0.55, 41780	0.09792	0.07296	0.09477	71.40728	28.01469	77.09789	8.92591	4.66912	9.63724	1.08E-09	8.78E-07	1.1E-07	3.33E-13	1.01E-12	7.95E-13	4.05E-16	9.77E-15	5.39E-16	1.0715E-14	1.349E-12	8.7815E-07	1.09785E-07	3.40725E-13	1.63548E-15	1.70067E-13	2.72107E-16
134	570350.6	4178079	0.55, 41780	0.1067	0.08065	0.10312	70.03301	29.10671	80.22931	8.75413	4.85112	10.02866	1.17E-09	9.14E-07	1.14E-07	3.62E-13	1.09E-12	8.65E-13	4.4E-16	1.06E-14	5.87E-16	1.16591E-14	1.468E-12	9.1382E-07	1.14242E-07	3.70747E-13	1.77958E-15	1.85052E-13	2.96082E-16
135	570390.6	4178079	0.55, 41780	0.11641	0.08948	0.11242	73.93226	30.15719	77.81828	9.24153	5.0262	9.72728	1.28E-09	8.86E-07	1.11E-07	3.95E-13	1.19E-12	9.43E-13	4.8E-16	1.16E-14	6.4E-16	1.27106E-14	1.601E-12	8.8637E-07	1.10811E-07	4.04184E-13	1.94009E-15	2.01741E-13	3.22786E-16
136	570430.6	4178079	0.55, 41780	0.12715	0.09969	0.12302	79.99098	31.34254	86.52141	9.99887	5.20891	10.81518	1.4E-09	9.85E-07	1.23E-07	4.32E-13	1.31E-12	1.03E-12	5.25E-16	1.27E-14	7E-16	1.39092E-14	1.752E-12	9.8549E-07	1.23203E-07	4.42296E-13	2.12302E-15	2.20764E-13	3.53223E-16
137	570470.6	4178079	0.55, 41780	0.13857	0.11144	0.13449	81.53824	32.65768	88.86509	10.19228	5.39019	11.10814	1.53E-09	1.01E-06	1.27E-07	4.73E-13	1.43E-12	1.13E-12	5.74E-16	1.39E-14	7.65E-16	1.52061E-14	1.915E-12	1.0122E-06	1.2654E-07	4.83537E-13	2.32098E-15	2.41349E-13	3.86158E-16
138	570510.6	4178079	0.55, 41780	0.15049	0.12507	0.14657	87.75299	34.11951	95.20757	10.96912	5.60116	11.90095	1.67E-09	1.08E-06	1.36E-07	5.15E-13	1.56E-12	1.23E-12	6.26E-16	1.51E-14	8.34E-16	1.6572E-14	2.087E-12	1.0844E-06	1.35572E-07	5.26971E-13	2.52946E-15	2.63028E-13	4.20845E-16
139	570550.6	4178079	0.55, 41780	0.16198	0.14034	0.1583	91.64015	35.64897	104.22382	11.45502	5.99366	13.02798	1.8E-09	1.19E-06	1.48E-07	5.56E-13	1.68E-12	1.33E-12	6.76E-16	1.63E-14	9.01E-16	1.78984E-14	2.254E-12	1.1871E-06	1.48409E-07	5.6915E-13	2.73192E-15	2.84081E-13	4.54529E-16
140	570590.6	4178079	0.55, 41780	0.17272	0.15744	0.16968	88.35639	37.38874	105.88084	11.57204	6.46071	13.23511	1.93E-09	1.21E-06	1.51E-07	5.96E-13	1.8E-12	1.42E-12	7.24E-16	1.75E-14	9.66E-16	1.91853E-14	2.416E-12	1.206E-06	1.50768E-07	6.10071E-13	2.92834E-15	3.04506E-13	4.8721E-16
141	570630.6	4178079	0.55, 41780	0.1831	0.1763	0.17984	101.08083	39.23196	114.54818	12.6351	7.02353	14.31852	2.05E-09	1.3E-06	1.63E-07	6.32E-13	1.91E-12	1.51E-12	7.68E-16	1.85E-14	1.02E-15	2.03343E-14	2.561E-12	1.3047E-06	1.6311E-07	6.46609E-13	3.10372E-15	3.22743E-13	5.16389E-16
142	570670.6	4178079	0.55, 41780	0.19537	0.19687	0.18849	125.63761	41.20021	131.91916	15.7047	8.22231	16.4899	2.15E-09	1.5E-06	1.88E-07	6.63E-13	2E-12	1.58E-12	8.05E-16	1.94E-14	1.07E-15	2.13127E-14	2.684E-12	1.5026E-06	1.8785E-07	6.77721E-13	3.25306E-15	3.38272E-13	5.41235E-16
143	570710.6	4178079	0.55, 41780	0.21241	0.21933	0.20096	144.38379	43.29239	151.59141	18.04797	9.29195	18.94893	2.29E-09	1.73E-06	2.16E-07	7.06E-13	2.13E-12	1.68E-12	8.58E-16	2.07E-14	1.14E-15	2.2723E-14	2.862E-12	1.7266E-06	2.15862E-07	7.22566E-13	3.46832E-15	3.60656E-13	5.77049E-16
144	570750.6	4178079	0.55, 41780	0.23537	0.24332	0.2221	149.96792	48.92505	154.1756	18.74599	10.23	23.04389	2.53E-09	1.76E-06	2.63E-07	7.81E-13	2.36E-12	1.86E-12	9.48E-16	2.29E-14	1.26E-15	2.51133E-14	3.163E-12	1.7561E-06	2.62501E-07	7.98577E-13	3.83317E-15	3.98595E-13	6.37753E-16
145	570790.6	4178079	0.55, 41780	0.26445	0.26867	0.24585	159.48841	56.15329	178.05216	19.93605	11.24377	22.79466	2.8E-09	2.03E-06	2.6E-07	8.64E-13	2.61E-12	2.06E-12	1.05E-15	2.53E-14	1.4E-15	2.77988E-14	3.501E-12	2.028E-06	2.59667E-07	8.83972E-13	4.24306E-15	4.41219E-13	7.0595E-16
146	570830.6	4178079	0.55, 41780	0.30001	0.29551	0.27029	164.85959	59.75168	177.78875	20.60745	12.43332	22.22359	3.08E-09	2.03E-06	2.53E-07	9.5E-13	2.87E-12	2.27E-12	1.15E-15	2.79E-14	1.54E-15	3.05623E-14	3.849E-12	2.025E-06	2.53165E-07	9.71849E-13	4.66487E-15	4.85081E-13	7.76129E-16
147	570870.6	4178079	0.55, 41780	0.34051	0.32416	0.30185	178.96906	63.85658	203.22306	22.37113	13.91568	25.40288	3.44E-09	2.31E-06	2.89E-07	1.06E-12	3.2E-12	2.53E-12	1.29E-15	3.11E-14	1.72E-15	3.41307E-14	4.298E-12	2.3147E-06	2.89379E-07	1.08532E-12	5.20954E-15	5.41718E-13	8.66749E-16
148	570910.6	4178079	0.55, 41780	0.37529	0.35313	0.33459	192.82824	68.49057	229.7632	24.10353	15.26079	28.7204	3.81E-09	2.62E-06	3.27E-07	1.18E-12	3.55E-12	2.81E-12	1.43E-15	3.45E-14	1.9E-15	3.78325E-14	4.765E-12	2.617E-06	3.27167E-07	1.20303E-12	5.77456E-15	6.00472E-13	9.60756E-16
149	570950.6	4178079	0.55, 41780	0.39192	0.37725	0.35493	199.56835	75.56845	241.42387	26.9715	14.65967	30.17798	4.04E-09	2.75E-06	3.44E-07	1.25E-12	3.77E-12	2.98E-12	1.52E-15	3.66E-14	2.02E-15	4.01325E-14	5.054E-12	2.7498E-06	3.43776E-07	1.27617E-12	6.12561E-15	6.36977E-13	1.01916E-15
150	570990.6	4178079	0.55, 41780	0.38624	0.39167	0.34038	209.52387	83.72546	270.89556	31.32288	13.79848	33.86195	3.88E-09	3.09E-06	3.86E-07	1.2E-12	3.61E-12	2.85E-12	1.45E-15	3.51E-14	1.94E-15	3.84881E-14	4.847E-12	3.0855E-06	3.85745E-07	1.22388E-12	5.87463E-15	6.10878E-13	9.77405E-16
151	571030.6	4178079	0.55, 41780	0.36706	0.40059	0.31708	238.62537	94.19927	346.28961	34.73297	15.69988	52.33117	3.61E-09	3.94E-06	5.96E-07	1.11E-12	3.37E-12	2.66E-12	1.35E-15	3.27E-14	1.8E-15	3.58545E-14	4.516E-12	3.9442E-06	5.96099E-07	1.14014E-12	5.47265E-15	5.69078E-13	9.10525E-16
152	571070.6	4178079	0.55, 41780	0.35702	0.41066	0.29659	228.92087	105.90077	368.47625	31.45005	16.61116	46.05953	3.38E-09	4.2E-06	5.25E-07	1.04E-12	3.15E-12	2.49E-12	1.27E-15	3.06E-14	1.69E-15	3.35386E-14	4.224E-12	4.1969E-06	5.24662E-07	1.06649E-12	5.11916E-15	5.3232E-13	8.51712E-16
153	571110.6	4178079	0.55, 41780	0.35812	0.41418	0.29542	212.64364	104.08221	374.64105	34.6648	20.98986	46.90606	3.37E-09	4.27E-06	5.34E-07	1.04E-12	3.14E-12	2.48E-12	1.26E-15	3.05E-14	1.68E-15	3.34065E-14	4.207E-12	4.2671E-06	5.34313E-07	1.06229E-12	5.09899E-15	5.30223E-13	8.48356E-16
154	571150.6	4178079	0.55, 41780	0.37758	0.42317	0.31748	239.48451	117.47672	371.65504	34.21207	20.38272	60.67868	3.62E-09	4.23E-06	6.91E-07	1.12E-12	3.37E-12	2.66E-12	1.36E-15	3.27E-14	1.81E-15	3.59004E-14	4.521E-12	4.2331E-06	6.91165E-07	1.14159E-12	5.47965E-15	5.69806E-13	9.1169E-16
155	571190.6	4178079	0.55, 41780	0.41277	0.43447	0.31013	228.77572	115.09155	359.73847	28.66728	20.67403	44.96731	3.53E-09	4.1E-06	5.12E-07	1.09E-12	3.29E-12	2.6E-12	1.32E-15	3.2E-14	1.77E-15	3.507E-14	4.417E-12	4.0974E-06	5.12214E-07	1.11519E-12	5.3529E-15	5.56626E-13	8.90602E-16
156	571230.6	4178079	0.55, 41780	0.46673	0.45732	0.33128	219.54291	100.98995	305.404	27.44286	18.56894	43.62914	3.77E-09	3.48E-06	4.97E-07	1.16E-12	3.52E-12	2.78E-12	1.41E-15	3.42E-14	1.89E-15	3.74616E-14	4.718E-12	3.4785E-06	4.9697E-07	1.19124E-12	5.71794E-15	5.94585E-13	9.51335E-16
157	571270.6	4178079	0.55, 41780	0.53318	0.48578	0.3586	215.1929	81.06645	332.5769	26.89911	17.27973	41.57211	4.09E-09	3.79E-06	4.74E-07	1.26E-12	3.81E-12	3.01E-12	1.53E-15	3.7E-14	2.04E-15	4.05508E-14	5.107E-12	3.788E-06	4.73541E-07	1.28947E-12	6.18946E-15	6.43616E-13	1.02979E-15
158	571310.6	4178079	0.55, 41780	0.58671	0.50689	0.39805	205.97464	69.75551	363.05687	25.74683	14.70822	45.38211	4.53E-09	4.14E-06	5.17E-07	1.4E-12	4.23E-12	3.34E-12	1.7E-15	4.1E-14	2.27E-15	4.50109E-14	5.669E-12	4.135E-06	5.16929E-07	1.4313E-12	6.87023E-15	7.14406E-13	1.14305E-15
159	571350.6	4178079	0.55, 41780	0.61439	0.51569	0.46686	184.46358	62.8789	316.33591	23.05795	12.5762	39.54199	5.32E-09	3.6E-06	4.5E-07	1.64E-12	4.96E-12	3.91E-12	1.99E-15	4.81E-14	2.66E-15	5.27894E-14	6.648E-12	3.6029E-06	4.50409E-07	1.67865E-12	8.0575E-15	8.37866E-13	1.34059E-15
160	571390.6	4178079	0.55, 41780	0.61879	0.51229	0.54521	162.6235	50.78632	251.98298	20.32794	11.67282	31.49787	6.21E-09	2.87E-06	3.59E-07	1.92E-12	5.79E-12	4.57E-12	2.33E-15	5.62E-14	3.1E-15	6.16459E-14	7.764E-12	2.87E-06	3.58787E-07	1.96027E-12	9.40931E-15	9.78434E-13	1.5655E-15
161	571430.6	4178079	0.55, 41780	0.60477	0.49855	0.60294	157.24404	39.05995	207.2573	19.65551	9.99401	25.90716	6.87E-09	2.36E-06	2.95E-07	2.12E-12	6.4E-12	5.05E-12	2.57E-15	6.22E-14	3.43E-15	6.81711E-14	8.585E-12	2.3606E-06	2.95113E-07	2.16777E-12	1.04053E-14	1.082E-12	1.7312E-15
162	571470.6	4178079	0.55, 41780	0.57311	0.47467	0.61341	152.07991	30.59352	215.52596	19.00999	9.68796	26.94074	6.99E-09	2.45E-06	3.07E-07	2.16E-12	6.51E-12	5.14E-12	2.62E-15	6.32E-14	3.49E-15	6.93539E-14	8.734E-12	2.4547E-06	3.06883E-07	2.20538E-12	1.05858E-14	1.10078E-12	1.76124E-15
163	571510.6	4178079	0.55, 41780	0.53465	0.44658	0.58613	137.55383	33.88214	191.36045	17.19423	8.95455	23.92006	6.68E-09	2.18E-06	2.72E-07	2.06E-12	6.22E-12	4.91E-12	2.5E-15	6.04E-14	3.34E-15	6.62693E-14	8.346E-12	2.1795E-06	2.72475E-07	2.10729E-12	1.0115E-14	1.05182E-12	1.68291E-15
164	571550.6	4178079	0.55, 41780	0.48548	0.41212	0.53241	120.13532	36.07438	157.49519	15.01691	7.90342	19.6869	6.06E-09	1.79E-06	2.24E-07	1.87E-12	5.65E-12	4.46E-12	2.27E-15	5.49E-14	3.03E-15	6.01958E-14	7.581E-12	1.7938E-06	2.24257E-07	1.91416E-12	9.18797E-15	9.55419E-13	1.52867E-15
165	571590.6	4178079	0.55, 41780	0.43445	0.37558	0.47142	108.95419	37.19094	141.55637	13.61927	6.74143	17.69455	5.37E-09	1.61E-06	2.02E-07	1.66E-12	5E-12	3.95E-12	2.01E-15	4.86E-14	2.68E-15	5.33004E-14	6.713E-12	1.6123E-06	2.01563E-07	1.69489E-12	8.13549E-15	8.45976E-13	1.35356E-15
166	570310.6	4178119	0.55, 41781	0.10149	0.07442	0.09774	69.0748	28.05035	78.28908	8.63435	4.67506	9.78613	1.11E-09	8.92E-07	1.11E-07	3.44E-13	1.04E-12	8.19E-13	4.17E-16	1.01E-14	5.56E-16	1.10508E-14	1.392E-12	8.9172E-07	1.11479E-07	3.51402E-13	1.68673E-15	1.75396E-13	2.80634E-16
167	570350.6	4178119	0.55, 41781	0.11138	0.08273	0.10725	79.07973	29.62524	82.98136	9.88497	4.93754	10.37267	1.22E-09	9.45E-07	1.18E-07	3.77E-13	1.14E-12	8.99E-13	4.58E-16	1.11E-14	6.1E-16	1.2126E-14	1.527E-12	9.4517E-07	1.18163E-07	3.85594E-13	1.85085E-15	1.92462E-13	3.0794E-16
168	570390.6	4178119	0.55, 41781	0.12249	0.09237	0.11775	81.81771	30.97041	92.38822	10.22721	5.16174	11.54853	1.34E-09	1.05E-06	1.32E-07	4.14E-13	1.25E-12	9.87E-13	5.03E-16	1.21E-14	6.7E-16	1.33132E-14	1.677E-12	1.0523E-06	1.31556E-07	4.23346E-13	2.03206E-15	2.11306E-13	3.38089E-16
169	570430.6	4178119	0.55, 41781	0.13492	0.10362	0.12964	81.48606	32.23138	89.13007	10.18576	5.3719	11.14126	1.48E-09	1.02E-06	1.27E-07	4.56E-13	1.38E-12	1.09E-12	5.53E-16	1.34E-14	7.38E-16	1.46576E-14	1.846E-12	1.0152E-06	1.26918E-07	4.66096E-13	2.23726E-15	2.32643E-13	3.72229E-16
170	570470.6	4178119	0.55, 41781	0.14882	0.11683	0.14311	90.82614	33.6686	97.62505	11.35327	5.5932	12.20313	1.63E-09	1.11E-06	1.39E-07	5.03E-13	1.52E-12	1.2E-12	6.11E-16	1.48E-14	8.15E-16	1.61806E-14	2.038E-12	1.112E-06	1.39015E-07	5.14527E-13	2.46973E-15	2.56817E-13	4.10907E-16
171	570510.6	4178119	0.55, 41781	0.16361	0.13228	0.15796	92.34034	35.20886	102.68913	11.54254	5.82093	12.83614	1.8E-09	1.17E-06	1.46E-07	5.55E-13	1.68E-12	1.32E-12	6.74E-16	1.63E-14	8.99E-16	1.78597E-14	2.249E-12	1.1696E-06	1.46225E-07	5.6792E-13	2.72602E-15	2.83467E-13	4.53548E-16
172	570550.6	4178119	0.55, 41781	0.17911	0.1505	0.17388	100.11195	36.92243	110.21215	12.51399	6.33987	13.77652	1.98E-09	1.26E-06	1.57E-07	6.11E-13	1.85E-12	1.46E-12	7.42E-16	1.79E-14	9.9E-16	1.96599E-14	2.476E-12	1.2553E-06	1.56937E-07	6.25163E-13	3.00078E-15	3.12039E-13	4.99262E-16
173	570590.6	4178119	0.55, 41781	0.19374	0.17125	0.18923	103.74737	38.76233	121.67682	12.96842	6.89651	15.2096	2.16E-09	1.39E-06	1.73E-07	6.65E-13	2.01E-12	1.59E-12	8.08E-16	1.95E-14	1.08E-15	2.13956E-14	2.695E-12	1.3859E-06	1.7326E-07	6.80358E-13	3.26572E-15	3.39588E-13	5.43341E-16
174	570630.6	4178119	0.55, 41781	0.2069	0.19483	0.20326	104.63966	41.01094	121.05227	13.84797	7.49161	15.13153	2.32E-09	1.38E-06	1.72E-07	7.15E-13	2.16E-12	1.7E-12	8.68E-16	2.1E-14	1.16E-15	2.29823E-14	2.894E-12	1.3788E-06	1.72373E-07	7.30811E-13	3.50789E-15	3.64771E-13	5.83634E-16
175	570670.6	4178119	0.55, 41781	0.21998	0.22122	0.21442	115.58367	43.51142	138.36153	15.0671	8.60459	17.29519	2.44E-09	1.58E-06	1.97E-07	7.54E-13	2.28E-12	1.8E-12	9.15E-16	2.21E-14	1.22E-15	2.42445E-14	3.053E-12	1.5759E-06	1.97019E-07	7.7095E-13	3.70056E-15	3.84806E-13	6.15689E-16
176	570710.6	4178119	0.55, 41781	0.23703	0.25104	0.22497	127.12041	45.98226	134.54184	16.41254	9.96819	16.81773	2.56E-09	1.53E-06	1.92E-07	7.91E-13	2.39E-12	1.89E-12	9.6E-16	2.32E-14	1.28E-15	2.5438E-14	3.204E-12	1.5324E-06	1.91585E-07	8.089E-13	3.88272E-15	4.03748E-13	6.45997E-16
177	570750.6	4178119	0.55, 41781	0.26187	0.28441	0.24496	163.41699	49.64069	173.69321	20.42712	11.18287	24.67477	2.79E-09	1.98E-06	2.81E-07	8.61E-13	2.6E-12	2.05E-12	1.05E-15	2.53E-14	1.39E-15	2.76986E-14	3.488E-12	1.9784E-06	2.8108E-07	8.80786E-13	4.22778E-15	4.39629E-13	7.03406E-16
178	570790.6	4178119	0.55, 41781	0.29707	0.32177	0.27572	189.30326	59.79186	203.13563	23.66291	12.3939	25.39195	3.14E-09	2.31E-06	2.89E-07	9.69E-13	2.93E-12	2.31E-12	1.18E-15	2.84E-14	1.57E-15	3.11768E-14	3.926E-12	2.3137E-06	2.89258E-07	9.9139E-13	4.75867E-15	4.94834E-13	7.91735E-16
179	570830.6	4178119	0.55, 41781	0.34574	0.3643	0.31009	193.11502	64.55328	210.79637	24.13938	13.76558	26.34955	3.53E-09	2.4E-06	3E-07	1.09E-12	3.29E-12	2.6E-12	1.32E-15	3.2E-14	1.77E-15	3.50633E-14	4.416E-12	2.401E-06	3.00166E-07	1.11498E-12	5.35188E-15	5.5652E-13	8.90432E-16
180	570870.6	4178119	0.55, 41781	0.41228	0.41342	0.35667	202.8381	69.60981	241.64288	25.35476	15.49628	31.6123	4.06E-09	2.75E-06	3.6E-07	1.25E-12	3.79E-12	2.99E-12	1.52E-15	3.68E-14	2.03E-15	4.03302E-14	5.079E-12	2.7523E-06	3.60106E-07	1.28246E-12	6.15579E-15	6.40115E-13	1.02418E-15
181	570910.6	4178119	0.55, 41781	0.49003	0.46844	0.41739	224.50761	75.3478	268.49725	28.06345	17.99511	33.56216	4.76E-09	3.06E-06	3.82E-07	1.47E-12	4.43E-12	3.5E-12	1.78E-15	4.3E-14	2.38E-15	4.71957E-14	5.944E-12	3.0581E-06	3.82321E-07	1.50077E-12	7.2037E-15	7.49083E-13	1.19853E-15
182	570950.6	4178119	0.55, 41781	0.55455	0.52056	0.48015	237.44511	82.6149	307.44591	31.19836	20.61697	38.43074	5.47E-09	3.5E-06	4.38E-07	1.69E-12	5.1E-12	4.03E-12	2.05E-15	4.95E-14	2.73E-15	5.42916E-14	6.837E-12	3.5018E-06	4.37778E-07	1.72641E-12	8.28679E-15	8.61709E-13	1.37873E-15
183	570990.6	4178119	0.55, 41781	0.59019	0.56679	0.49805	260.70129	98.30209	347.94815	39.14578	18.7176	43.49352	5.67E-09	3.96E-06	4.95E-07	1.75E-12	5.29E-12	4.18E-12	2.13E-15	5.14E-14	2.83E-15	5.63164E-14	7.092E-12	3.9631E-06	4.95462E-07	1.7908E-12	8.59584E-15	8.93846E-13	1.43015E-15
184	571030.6	4178119	0.55, 41781	0.58003	0.59593	0.46436	288.08817	110.38847	394.82286	43.41155	19.84321	60.28631	5.29E-09	4.5E-06	6.87E-07	1.63E-12	4.93E-12	3.89E-12	1.98E-15	4.79E-14	2.64E-15	5.25089E-14	6.613E-12	4.497E-06	6.86725E-07	1.66973E-12	8.01469E-15	8.33414E-13	1.33346E-15
185	571070.6	4178119	0.55, 41781	0.56003	0.61401	0.43624	281.59163	124.26135	479.69295	39.26934	23.95732	65.06151	4.97E-09	5.46E-06	7.41E-07	1.53E-12	4.63E-12	3.66E-12	1.86E-15	4.5E-14	2.48E-15	4.93307E-14	6.213E-12	5.4636E-06	7.41096E-07	1.56866E-12	7.52959E-15	7.8297E-13	1.25275E-15
186	571110.6	4178119	0.55, 41781	0.57497	0.62965	0.42923	279.23237	138.16088	507.21032	41.39356	27.39628	63.69191	4.89E-09	5.78E-06	7.26E-07	1.51E-12	4.56E-12	3.6E-12	1.83E-15	4.43E-14	2.44E-15	4.85388E-14	6.113E-12	5.777E-06	7.25505E-07	1.54348E-12	7.40871E-15	7.70401E-13	1.23264E-15
187	571150.6	4178119	0.55, 41781	0.64473	0.65929	0.45591	273.06399	137.55558	506.75735	37.77228	27.34359	77.75635	5.19E-09	5.77E-06	8.86E-07	1.6E-12	4.84E-12	3.82E-12	1.95E-15	4.7E-14	2.6E-15	5.15557E-14	6.493E-12	5.7718E-06	8.85671E-07	1.63942E-12	7.8692E-15	8.18285E-13	1.30926E-15
188	571190.6	4178119	0.55, 41781	0.76806	0.70549	0.46182	260.36357	120.74038	479.78233	32.90288	24.49294	68.54033	5.26E-09	5.46E-06	7.81E-07	1.62E-12	4.9E-12	3.87E-12	1.97E-15	4.76E-14	2.63E-15	5.22255E-14	6.577E-12	5.4646E-06	7.80696E-07	1.66071E-12	7.97142E-15	8.28915E-13	1.32626E-15
189	571230.6	4178119	0.55, 41781	0.88147	0.74364	0.51839	250.38438	100.21062	435.42985	31.29805	22.32262	54.42873	5.91E-09	4.96E-06	6.2E-07	1.82E-12	5.5E-12	4.35E-12	2.21E-15	5.35E-14	2.95E-15	5.86215E-14	7.383E-12	4.9594E-06	6.19977E-07	1.8641E-12	8.94768E-15	9.30431E-13	1.48869E-15
190	571270.6	4178119	0.55, 41781	0.94057	0.75526	0.59724	235.31349	80.57107	462.41399	29.41419	18.81416	57.80175	6.8E-09	5.27E-06	6.58E-07	2.1E-12	6.34E-12	5.01E-12	2.55E-15	6.16E-14	3.4E-15	6.7535E-14	8.505E-12	5.2666E-06	6.58385E-07	2.14754E-12	1.03082E-14	1.07191E-12	1.71505E-15
191	571310.6	4178119	0.55, 41781	0.94266	0.74202	0.72716	211.76846	71.48368	401.12341	26.47106	15.9259	50.14043	8.28E-09	4.57E-06	5.71E-07	2.56E-12	7.72E-12	6.1E-12	3.1E-15	7.5E-14	4.14E-15	8.22206E-14	1.035E-11	4.5686E-06	5.71123E-07	2.61453E-12	1.25497E-14	1.30499E-12	2.08799E-15
192	571350.6	4178119	0.55, 41781	0.90909	0.71255	0.85266	184.59351	57.17412	286.57244	23.07419	14.42847	35.82155	9.71E-09	3.26E-06	4.08E-07	3E-12	9.05E-12	7.15E-12	3.64E-15	8.79E-14	4.85E-15	9.6406E-14	1.214E-11	3.2639E-06	4.08037E-07	3.06561E-12	1.47149E-14	1.53014E-12	2.44823E-15
193	571390.6	4178119	0.55, 41781	0.85308	0.67145	0.90336	182.88204	42.90716	275.98695	22.86025	12.27464	34.49837	1.03E-08	3.14E-06	3.93E-07	3.18E-12	9.59E-12	7.57E-12	3.86E-15	9.31E-14	5.14E-15	1.02136E-13	1.286E-11	3.1433E-06	3.92967E-07	3.24781E-12	1.55895E-14	1.62108E-12	2.59373E-15
194	571430.6	4178119	0.55, 41781	0.78	0.62166	0.86624	169.0522	41.64549	252.50347	21.13153	11.39175	31.56293	9.87E-09	2.88E-06	3.6E-07	3.04E-12	9.19E-12	7.26E-12	3.7E-15	8.93E-14	4.93E-15	9.79381E-14	1.233E-11	2.8759E-06	3.5953E-07	3.11433E-12	1.49488E-14	1.55446E-12	2.48714E-15
195	571470.6	4178119	0.55, 41781	0.69763	0.567	0.77646	144.82238	43.55007	199.26025	18.1028	10.0864	24.90753	8.84E-09	2.27E-06	2.84E-07	2.73E-12	8.24E-12	6.51E-12	3.31E-15	8.01E-14	4.42E-15	8.77878E-14	1.106E-11	2.2695E-06	2.83724E-07	2.79156E-12	1.33995E-14	1.39335E-12	2.22937E-15
196	571510.6	4178119	0.55, 41781	0.61632	0.51188	0.67545	129.07456	44.20691	173.84445	16.93315	8.5721	21.73056	7.69E-09	1.98E-06	2.48E-07	2.37E-12	7.17E-12	5.66E-12	2.88E-15	6.96E-14	3.84E-15	7.6368E-14	9.618E-12	1.98E-06	2.47538E-07	2.42842E-12	1.16564E-14	1.2121E-12	1.93936E-15
197	571550.6	4178119	0.55, 41781	0.53701	0.45659	0.57828	116.13448	43.6354	149.52645	16.99831	7.6971	20.20244	6.59E-09	1.7E-06	2.3E-07	2.03E-12	6.14E-12	4.85E-12	2.47E-15	5.96E-14	3.29E-15	6.53822E-14	8.234E-12	1.7031E-06	2.30135E-07	2.07908E-12	9.97961E-15	1.03774E-12	1.66038E-15
198	571590.6	4178119	0.55, 41781	0.46599	0.40463	0.49394	103.06511	42.01095	133.93422	16.60125	6.75955	20.50745	5.63E-09	1.53E-06	2.34E-07	1.74E-12	5.24E-12	4.14E-12	2.11E-15	5.09E-14	2.81E-15	5.58469E-14	7.033E-12	1.5255E-06	2.33607E-07	1.77587E-12	8.52418E-15	8.86394E-13	1.41823E-15
199	570310.6	4178159	0.55, 41781	0.10452	0.07557	0.10002	83.14681	27.07322	89.45551	10.39335	4.47805	11.18194	1.14E-09	1.02E-06	1.27E-07	3.52E-13	1.06E-12	8.39E-13	4.27E-16	1.03E-14	5.69E-16	1.13085E-14	1.424E-12	1.0189E-06	1.27382E-07	3.59599E-13	1.72608E-15	1.79487E-13	2.8718E-16
200	570350.6	4178159	0.55, 41781	0.1156	0.08446	0.11071	83.51332	29.37807	93.62995	10.43917	4.89635	11.70374	1.26E-09	1.07E-06	1.33E-07	3.89E-13	1.18E-12	9.28E-13	4.73E-16	1.14E-14	6.3E-16	1.25172E-14	1.576E-12	1.0664E-06	1.33324E-07	3.98033E-13	1.91056E-15	1.98671E-13	3.17874E-16
201	570390.6	4178159	0.55, 41781	0.12828	0.09489	0.12282	85.72091	31.44775	90.10823	10.71511	5.24129	11.26353	1.4E-09	1.03E-06	1.28E-07	4.32E-13	1.3E-12	1.03E-12	5.24E-16	1.27E-14	6.99E-16	1.38864E-14	1.749E-12	1.0263E-06	1.28312E-07	4.41573E-13	2.11955E-15	2.20403E-13	3.52645E-16
202	570430.6	4178159	0.55, 41781	0.14269	0.1072	0.13639	94.53138	33.159	104.73347	11.81642	5.5265	13.09168	1.55E-09	1.19E-06	1.49E-07	4.79E-13	1.45E-12	1.14E-12	5.82E-16	1.41E-14	7.76E-16	1.54207E-14	1.942E-12	1.1929E-06	1.49136E-07	4.90363E-13	2.35374E-15	2.44756E-13	3.91609E-16
203	570470.6	4178159	0.55, 41781	0.15906	0.12183	0.15182	91.68652	34.69147	109.10852	11.46082	5.78191	13.63857	1.73E-09	1.24E-06	1.55E-07	5.34E-13	1.61E-12	1.27E-12	6.48E-16	1.57E-14	8.64E-16	1.71654E-14	2.162E-12	1.2427E-06	1.55363E-07	5.45841E-13	2.62003E-15	2.72446E-13	4.35914E-16
204	570510.6	4178159	0.55, 41781	0.17738	0.13933	0.16931	103.8828	36.49731	110.76271	12.98535	6.04456	13.84534	1.93E-09	1.26E-06	1.58E-07	5.95E-13	1.8E-12	1.42E-12	7.23E-16	1.75E-14	9.64E-16	1.9143E-14	2.411E-12	1.2616E-06	1.57723E-07	6.08726E-13	2.92188E-15	3.03834E-13	4.86135E-16
205	570550.6	4178159	0.55, 41781	0.19733	0.16029	0.18927	106.21161	38.46337	121.82569	13.27645	6.62676	15.22821	2.16E-09	1.39E-06	1.73E-07	6.65E-13	2.01E-12	1.59E-12	8.08E-16	1.95E-14	1.08E-15	2.13999E-14	2.695E-12	1.3876E-06	1.73473E-07	6.80492E-13	3.26636E-15	3.39655E-13	5.43449E-16
206	570590.6	4178159	0.55, 41781	0.21794	0.18524	0.21062	115.65264	40.48441	129.80552	14.45658	7.37316	16.22569	2.4E-09	1.48E-06	1.85E-07	7.4E-13	2.24E-12	1.77E-12	8.99E-16	2.17E-14	1.2E-15	2.3814E-14	2.999E-12	1.4785E-06	1.84837E-07	7.57259E-13	3.63484E-15	3.77972E-13	6.04756E-16
207	570630.6	4178159	0.55, 41781	0.23707	0.21436	0.23118	118.44365	42.79741	144.28442	14.80546	8.08317	18.03555	2.63E-09	1.64E-06	2.05E-07	8.13E-13	2.45E-12	1.94E-12	9.87E-16	2.38E-14	1.32E-15	2.61389E-14	3.292E-12	1.6434E-06	2.0545E-07	8.3119E-13	3.98971E-15	4.14873E-13	6.63797E-16
208	570670.6	4178159	0.55, 41781	0.25383	0.24795	0.24882	124.95922	45.84094	144.90734	15.6199	8.90031	18.11342	2.83E-09	1.65E-06	2.06E-07	8.75E-13	2.64E-12	2.09E-12	1.06E-15	2.57E-14	1.42E-15	2.81339E-14	3.543E-12	1.6505E-06	2.06339E-07	8.94628E-13	4.29421E-15	4.46537E-13	7.1446E-16
209	570710.6	4178159	0.55, 41781	0.27135	0.28697	0.26135	131.25248	49.29697	162.49426	17.47805	10.6966	20.31178	2.98E-09	1.85E-06	2.31E-07	9.19E-13	2.77E-12	2.19E-12	1.12E-15	2.69E-14	1.49E-15	2.95514E-14	3.722E-12	1.8508E-06	2.31382E-07	9.39703E-13	4.51058E-15	4.69036E-13	7.50458E-16
210	570750.6	4178159	0.55, 41781	0.29528	0.33222	0.27619	146.48828	52.90094	155.94977	21.86848	12.23914	22.93785	3.15E-09	1.78E-06	2.61E-07	9.71E-13	2.93E-12	2.32E-12	1.18E-15	2.85E-14	1.57E-15	3.12303E-14	3.933E-12	1.7763E-06	2.61303E-07	9.93088E-13	4.76682E-15	4.95682E-13	7.93091E-16
211	570790.6	4178159	0.55, 41781	0.33253	0.38536	0.30655	168.4296	63.37031	207.44804	22.18934	13.75991	31.3643	3.49E-09	2.36E-06	3.57E-07	1.08E-12	3.25E-12	2.57E-12	1.31E-15	3.16E-14	1.74E-15	3.46637E-14	4.366E-12	2.3628E-06	3.57272E-07	1.10227E-12	5.29089E-15	5.50177E-13	8.80284E-16
212	570830.6	4178159	0.55, 41781	0.39122	0.44987	0.34708	226.40986	70.88867	244.94075	28.30123	15.58224	30.61759	3.95E-09	2.79E-06	3.49E-07	1.22E-12	3.68E-12	2.91E-12	1.48E-15	3.58E-14	1.98E-15	3.92471E-14	4.943E-12	2.7899E-06	3.48787E-07	1.24802E-12	5.99048E-15	6.22925E-13	9.9668E-16
213	570870.6	4178159	0.55, 41781	0.48272	0.53035	0.408	262.06298	76.1106	293.39264	32.75787	17.58972	36.67408	4.65E-09	3.34E-06	4.18E-07	1.43E-12	4.33E-12	3.42E-12	1.74E-15	4.21E-14	2.32E-15	4.6136E-14	5.81E-12	3.3417E-06	4.17777E-07	1.46707E-12	7.04195E-15	7.32263E-13	1.17162E-15
214	570910.6	4178159	0.55, 41781	0.61652	0.63133	0.50366	261.24493	84.17228	335.42472	32.65562	20.33398	41.92809	5.74E-09	3.82E-06	4.78E-07	1.77E-12	5.35E-12	4.22E-12	2.15E-15	5.19E-14	2.87E-15	5.69524E-14	7.173E-12	3.8204E-06	4.77613E-07	1.81103E-12	8.69292E-15	9.03941E-13	1.44631E-15
215	570950.6	4178159	0.55, 41781	0.78722	0.75662	0.63069	286.12528	93.97029	373.71712	38.09436	25.30252	46.71464	7.19E-09	4.26E-06	5.32E-07	2.22E-12	6.69E-12	5.29E-12	2.69E-15	6.5E-14	3.59E-15	7.13157E-14	8.981E-12	4.2566E-06	5.32144E-07	2.26776E-12	1.08853E-14	1.13191E-12	1.81106E-15
216	570990.6	4178159	0.55, 41781	0.95557	0.89576	0.74297	303.7283	113.02353	445.40224	49.39935	30.83627	55.67528	8.46E-09	5.07E-06	6.34E-07	2.61E-12	7.89E-12	6.23E-12	3.17E-15	7.66E-14	4.23E-15	8.40121E-14	1.058E-11	5.073E-06	6.3423E-07	2.67149E-12	1.28232E-14	1.33343E-12	2.13348E-15
217	571030.6	4178159	0.55, 41781	1.0701	1.00768	0.7637	365.27865	135.92516	512.48146	63.89384	29.33742	70.31034	8.7E-09	5.84E-06	8.01E-07	2.68E-12	8.11E-12	6.4E-12	3.26E-15	7.88E-14	4.35E-15	8.63588E-14	1.088E-11	5.8371E-06	8.00951E-07	2.74612E-12	1.31814E-14	1.37068E-12	2.19308E-15
218	571070.6	4178159	0.55, 41781	1.06935	1.07923	0.71312	382.13438	155.20031	662.82772	54.74849	37.25068	94.68967	8.12E-09	7.55E-06	1.08E-06	2.51E-12	7.57E-12	5.98E-12	3.04E-15	7.35E-14	4.06E-15	8.06434E-14	1.016E-11	7.5494E-06	1.07857E-06	2.56437E-12	1.2309E-14	1.27996E-12	2.04794E-15
219	571110.6	4178159	0.55, 41781	1.19831	1.16386	0.6846	373.85472	174.62021	736.75515	53.40782	39.37776	93.09067	7.8E-09	8.39E-06	1.06E-06	2.41E-12	7.27E-12	5.74E-12	2.92E-15	7.06E-14	3.9E-15	7.74223E-14	9.751E-12	8.3914E-06	1.06036E-06	2.46194E-12	1.18173E-14	1.22884E-12	1.96614E-15
220	571150.6	4178159	0.55, 41781	1.53671	1.26322	0.72724	331.2731	149.81574	693.97089	50.26616	34.67292	96.78528	8.29E-09	7.9E-06	1.1E-06	2.56E-12	7.72E-12	6.1E-12	3.1E-15	7.5E-14	4.14E-15	8.22461E-14	1.036E-11	7.904E-06	1.10243E-06	2.61534E-12	1.25536E-14	1.3054E-12	2.08864E-15
221	571190.6	4178159	0.55, 41781	1.71324	1.27647	0.80447	303.51531	125.05743	565.89383	43.45807	29.97586	80.84198	9.17E-09	6.45E-06	9.21E-07	2.83E-12	8.54E-12	6.75E-12	3.43E-15	8.3E-14	4.58E-15	9.09769E-14	1.146E-11	6.4453E-06	9.2083E-07	2.89297E-12	1.38862E-14	1.44397E-12	2.31036E-15
222	571230.6	4178159	0.55, 41781	1.67997	1.21931	0.99011	277.00255	96.22407	622.39581	36.53844	24.95569	77.79948	1.13E-08	7.09E-06	8.86E-07	3.48E-12	1.05E-11	8.3E-12	4.23E-15	1.02E-13	5.64E-15	1.1196E-13	1.41E-11	7.0887E-06	8.86158E-07	3.5602E-12	1.70889E-14	1.77701E-12	2.84321E-15
223	571270.6	4178159	0.55, 41781	1.56347	1.13234	1.265	251.98402	83.18585	536.39129	31.498	20.71301	67.04891	1.44E-08	6.11E-06	7.64E-07	4.45E-12	1.34E-11	1.06E-11	5.4E-15	1.3E-13	7.2E-15	1.4303E-13	1.801E-11	6.1092E-06	7.63706E-07	4.5482E-12	2.18314E-14	2.27015E-12	3.63224E-15
224	571310.6	4178159	0.55, 41781	1.42012	1.03692	1.45126	223.09845	65.85457	360.16353	27.88731	18.21453	45.02044	1.65E-08	4.1E-06	5.13E-07	5.1E-12	1.54E-11	1.22E-11	6.19E-15	1.5E-13	8.26E-15	1.64081E-13	2.066E-11	4.1021E-06	5.12817E-07	5.21761E-12	2.50445E-14	2.60428E-12	4.16684E-15
225	571350.6	4178159	0.55, 41781	1.26306	0.93714	1.42084	212.7442	53.05659	355.96566	26.59303	15.01468	44.49571	1.62E-08	4.05E-06	5.07E-07	4.99E-12	1.51E-11	1.19E-11	6.06E-15	1.46E-13	8.09E-15	1.6064E-13	2.023E-11	4.0542E-06	5.06837E-07	5.10816E-12	2.45192E-14	2.54965E-12	4.07944E-15
226	571390.6	4178159	0.55, 41781	1.10199	0.83709	1.24864	185.92823	54.01949	274.01244	23.24103	13.29114	34.25155	1.42E-08	3.12E-06	3.9E-07	4.39E-12	1.33E-11	1.05E-11	5.33E-15	1.29E-13	7.11E-15	1.41171E-13	1.778E-11	3.1209E-06	3.90157E-07	4.48909E-12	2.15476E-14	2.24065E-12	3.58503E-15
227	571430.6	4178159	0.55, 41781	0.9418	0.73869	1.04204	159.26436	53.60229	222.79179	21.61583	11.2268	27.84897	1.19E-08	2.54E-06	3.17E-07	3.66E-12	1.11E-11	8.74E-12	4.45E-15	1.07E-13	5.93E-15	1.17814E-13	1.484E-11	2.5375E-06	3.17234E-07	3.74636E-12	1.79825E-14	1.86993E-12	2.99188E-15
228	571470.6	4178159	0.55, 41781	0.79447	0.64516	0.85663	139.92539	51.85557	187.30754	21.06215	9.90602	27.91527	9.76E-09	2.13E-06	3.18E-07	3.01E-12	9.09E-12	7.18E-12	3.66E-15	8.83E-14	4.88E-15	9.68525E-14	1.22E-11	2.1334E-06	3.17988E-07	3.07981E-12	1.47831E-14	1.53723E-12	2.45957E-15
229	571510.6	4178159	0.55, 41781	0.67282	0.56206	0.7111	120.25585	49.92459	159.61818	19.96311	8.50885	26.60303	8.1E-09	1.82E-06	3.03E-07	2.5E-12	7.55E-12	5.96E-12	3.04E-15	7.33E-14	4.05E-15	8.03994E-14	1.013E-11	1.818E-06	3.03039E-07	2.55661E-12	1.22717E-14	1.27609E-12	2.04174E-15
230	571550.6	4178159	0.55, 41781	0.57423	0.48972	0.59807	110.64777	47.57404	144.95635	18.4413	7.31081	24.15939	6.81E-09	1.65E-06	2.75E-07	2.1E-12	6.35E-12	5.01E-12	2.55E-15	6.17E-14	3.4E-15	6.76203E-14	8.516E-12	1.651E-06	2.75204E-07	2.15025E-12	1.03212E-14	1.07326E-12	1.71722E-15
231	571590.6	4178159	0.55, 41781	0.49292	0.42713	0.50772	100.4908	44.5532	128.72625	16.74847	6.44552	21.45437	5.78E-09	1.47E-06	2.44E-07	1.78E-12	5.39E-12	4.26E-12	2.17E-15	5.23E-14	2.89E-15	5.74053E-14	7.23E-12	1.4662E-06	2.44392E-07	1.82543E-12	8.76205E-15	9.11129E-13	1.45781E-15
232	570310.6	4178199	0.55, 41781	0.10691	0.07648	0.10208	81.28791	24.55019	79.664	10.16099	3.94128	9.958	1.16E-09	9.07E-07	1.13E-07	3.59E-13	1.08E-12	8.56E-13	4.36E-16	1.05E-14	5.81E-16	1.15414E-14	1.454E-12	9.0737E-07	1.13442E-07	3.67005E-13	1.76162E-15	1.83184E-13	2.93094E-16
233	570350.6	4178199	0.55, 41781	0.11881	0.08587	0.11329	92.41038	27.80697	96.15133	11.5513	4.55912	12.01892	1.29E-09	1.1E-06	1.37E-07	3.98E-13	1.2E-12	9.5E-13	4.84E-16	1.17E-14	6.45E-16	1.28089E-14	1.613E-12	1.0952E-06	1.36917E-07	4.07309E-13	1.95508E-15	2.03301E-13	3.25281E-16
234	570390.6	4178199	0.55, 41781	0.13286	0.09703	0.12666	98.9418	30.67703	108.4605	12.36772	5.11284	13.55756	1.44E-09	1.24E-06	1.54E-07	4.45E-13	1.34E-12	1.06E-12	5.41E-16	1.31E-14	7.21E-16	1.43206E-14	1.804E-12	1.2354E-06	1.54443E-07	4.55378E-13	2.18582E-15	2.27294E-13	3.6367E-16
235	570430.6	4178199	0.55, 41781	0.14935	0.11037	0.14231	98.24021	33.47488	112.67373	12.28003	5.57915	14.08422	1.62E-09	1.28E-06	1.6E-07	5E-13	1.51E-12	1.19E-12	6.07E-16	1.47E-14	8.1E-16	1.609E-14	2.026E-12	1.2833E-06	1.60441E-07	5.11646E-13	2.4559E-15	2.55379E-13	4.08606E-16
236	570470.6	4178199	0.55, 41781	0.1686	0.12646	0.16043	107.25905	35.76824	115.05444	13.40738	5.96137	14.38181	1.83E-09	1.31E-06	1.64E-07	5.64E-13	1.7E-12	1.35E-12	6.85E-16	1.65E-14	9.13E-16	1.81388E-14	2.284E-12	1.3105E-06	1.63834E-07	5.76794E-13	2.76861E-15	2.87896E-13	4.60634E-16
237	570510.6	4178199	0.55, 41781	0.19081	0.14598	0.18108	111.923	37.71142	131.96286	13.99038	6.28524	16.49536	2.06E-09	1.5E-06	1.88E-07	6.37E-13	1.92E-12	1.52E-12	7.73E-16	1.87E-14	1.03E-15	2.04737E-14	2.578E-12	1.503E-06	1.87906E-07	6.5104E-13	3.12499E-15	3.24955E-13	5.19928E-16
238	570550.6	4178199	0.55, 41781	0.21602	0.16987	0.20494	119.57772	40.00549	129.21029	14.94721	6.67621	16.15129	2.33E-09	1.47E-06	1.84E-07	7.2E-13	2.18E-12	1.72E-12	8.75E-16	2.11E-14	1.17E-15	2.31715E-14	2.918E-12	1.4717E-06	1.83991E-07	7.36829E-13	3.53678E-15	3.67775E-13	5.88439E-16
239	570590.6	4178199	0.55, 41781	0.24388	0.19917	0.2325	124.08345	42.52786	147.10165	15.51043	7.78928	18.38771	2.65E-09	1.68E-06	2.09E-07	8.17E-13	2.47E-12	1.95E-12	9.92E-16	2.4E-14	1.32E-15	2.62877E-14	3.311E-12	1.6755E-06	2.09463E-07	8.35922E-13	4.01242E-15	4.17235E-13	6.67576E-16
240	570630.6	4178199	0.55, 41781	0.27242	0.23473	0.26214	135.79301	45.13025	156.31523	16.97413	8.73982	19.5394	2.99E-09	1.78E-06	2.23E-07	9.21E-13	2.78E-12	2.2E-12	1.12E-15	2.7E-14	1.49E-15	2.96393E-14	3.733E-12	1.7804E-06	2.22584E-07	9.42497E-13	4.52399E-15	4.7043E-13	7.52689E-16
241	570670.6	4178199	0.55, 41781	0.29828	0.27729	0.29064	136.89517	48.04336	174.48935	17.44831	9.65486	21.81117	3.31E-09	1.99E-06	2.48E-07	1.02E-12	3.08E-12	2.44E-12	1.24E-15	3E-14	1.65E-15	3.28621E-14	4.139E-12	1.9874E-06	2.48458E-07	1.04498E-12	5.01591E-15	5.21583E-13	8.34533E-16
242	570710.6	4178199	0.55, 41781	0.321	0.32818	0.31291	151.98197	52.23375	185.24815	19.68934	11.4382	23.15602	3.56E-09	2.11E-06	2.64E-07	1.1E-12	3.32E-12	2.62E-12	1.34E-15	3.23E-14	1.78E-15	3.5381E-14	4.456E-12	2.11E-06	2.63781E-07	1.12508E-12	5.40037E-15	5.61562E-13	8.98499E-16
243	570750.6	4178199	0.55, 41781	0.34558	0.38955	0.32771	144.14265	57.26085	196.68908	22.53194	13.53855	24.58613	3.73E-09	2.24E-06	2.8E-07	1.15E-12	3.48E-12	2.75E-12	1.4E-15	3.38E-14	1.87E-15	3.70557E-14	4.667E-12	2.2403E-06	2.80077E-07	1.17833E-12	5.656E-15	5.88144E-13	9.4103E-16
244	570790.6	4178199	0.55, 41781	0.38143	0.46429	0.35275	173.32889	66.95506	241.81218	25.57778	15.36352	36.58263	4.02E-09	2.75E-06	4.17E-07	1.24E-12	3.74E-12	2.96E-12	1.51E-15	3.64E-14	2.01E-15	3.98884E-14	5.024E-12	2.7542E-06	4.16713E-07	1.26841E-12	6.08836E-15	6.33103E-13	1.01297E-15
245	570830.6	4178199	0.55, 41781	0.44289	0.55991	0.39405	200.31972	78.9407	262.23048	28.47462	17.66262	37.4615	4.49E-09	2.99E-06	4.27E-07	1.39E-12	4.18E-12	3.3E-12	1.68E-15	4.06E-14	2.24E-15	4.45598E-14	5.612E-12	2.9868E-06	4.26731E-07	1.41695E-12	6.80137E-15	7.07246E-13	1.13159E-15
246	570870.6	4178199	0.55, 41781	0.55133	0.6879	0.45528	245.75399	83.68372	263.19795	34.28137	20.83884	36.18743	5.19E-09	3E-06	4.12E-07	1.6E-12	4.83E-12	3.82E-12	1.94E-15	4.69E-14	2.59E-15	5.1485E-14	6.484E-12	2.9978E-06	4.12239E-07	1.63717E-12	7.85841E-15	8.17163E-13	1.30746E-15
247	570910.6	4178199	0.55, 41781	0.74216	0.86472	0.57468	353.61381	98.21675	387.24795	44.20173	24.01316	48.40599	6.55E-09	4.41E-06	5.51E-07	2.02E-12	6.1E-12	4.82E-12	2.45E-15	5.93E-14	3.27E-15	6.49873E-14	8.184E-12	4.4107E-06	5.51425E-07	2.06653E-12	9.91933E-15	1.03147E-12	1.65035E-15
248	570950.6	4178199	0.55, 41781	1.08517	1.1274	0.77671	376.11466	111.85514	479.74888	52.74149	29.33795	59.96861	8.85E-09	5.46E-06	6.83E-07	2.73E-12	8.25E-12	6.51E-12	3.32E-15	8.01E-14	4.42E-15	8.78329E-14	1.106E-11	5.4642E-06	6.83136E-07	2.79299E-12	1.34064E-14	1.39407E-12	2.23051E-15
249	570990.6	4178199	0.55, 41781	1.58976	1.56693	1.05873	410.19015	135.68135	559.12982	68.60008	44.06737	76.18548	1.21E-08	6.37E-06	8.68E-07	3.72E-12	1.12E-11	8.88E-12	4.52E-15	1.09E-13	6.03E-15	1.19726E-13	1.508E-11	6.3683E-06	8.67877E-07	3.80715E-12	1.82743E-14	1.90027E-12	3.04043E-15
250	571030.6	4178199	0.55, 41781	2.42958	2.27373	1.377	561.74649	191.25505	728.04918	107.05418	55.40677	100.45619	1.57E-08	8.29E-06	1.14E-06	4.84E-12	1.46E-11	1.15E-11	5.88E-15	1.42E-13	7.84E-15	1.55725E-13	1.961E-11	8.2923E-06	1.14441E-06	4.95188E-12	2.3769E-14	2.47164E-12	3.95463E-15
251	571070.6	4178199	0.55, 41781	3.58306	3.18041	1.39903	721.18769	259.71405	966.70756	139.44796	73.67892	146.94766	1.59E-08	1.1E-05	1.67E-06	4.92E-12	1.49E-11	1.17E-11	5.97E-15	1.44E-13	7.97E-15	1.58244E-13	1.993E-11	1.1011E-05	1.674E-06	5.03199E-12	2.41535E-14	2.51163E-12	4.0186E-15
252	571110.6	4178199	0.55, 41781	5.26167	3.22788	1.2956	536.30163	206.72583	1199.13306	116.57349	57.94295	153.9862	1.48E-08	1.37E-05	1.75E-06	4.56E-12	1.38E-11	1.09E-11	5.53E-15	1.34E-13	7.38E-15	1.46559E-13	1.846E-11	1.3657E-05	1.75408E-06	4.66042E-12	2.237E-14	2.32616E-12	3.72186E-15
253	571150.6	4178199	0.55, 41781	4.55265	2.7214	1.43074	406.82024	165.14744	1078.46551	75.27018	43.84452	138.95995	1.63E-08	1.23E-05	1.58E-06	5.03E-12	1.52E-11	1.2E-11	6.11E-15	1.48E-13	8.15E-15	1.61819E-13	2.038E-11	1.2283E-05	1.58282E-06	5.14566E-12	2.46992E-14	2.56836E-12	4.10938E-15
254	571190.6	4178199	0.55, 41781	3.6655	2.27193	1.9191	348.88414	129.45816	921.59929	55.11772	35.12171	118.18584	2.19E-08	1.05E-05	1.35E-06	6.75E-12	2.04E-11	1.61E-11	8.19E-15	1.98E-13	1.09E-14	2.17007E-13	2.733E-11	1.0496E-05	1.34617E-06	6.90058E-12	3.31228E-14	3.4443E-12	5.51088E-15

255	571230.6	4178199	0.55, 41781	2.99647	1.91661	2.63905	311.11499	100.77545	780.81724	44.29874	28.05958	97.60216	3.01E-08	8.89E-06	1.11E-06	9.28E-12	2.8E-11	2.21E-11	1.13E-14	2.72E-13	1.5E-14	2.98377E-13	3.758E-11	8.893E-06	1.11171E-06	9.48806E-12	4.55427E-14	4.73579E-12	7.57727E-15
256	571270.6	4178199	0.55, 41781	2.48655	1.63354	2.7833	275.28639	78.6156	563.64868	36.03295	23.70769	70.45609	3.17E-08	6.42E-06	8.03E-07	9.78E-12	2.95E-11	2.33E-11	1.19E-14	2.87E-13	1.58E-14	3.14673E-13	3.963E-11	6.4196E-06	8.02524E-07	1.00063E-11	4.80301E-14	4.99444E-12	7.99111E-15
257	571310.6	4178199	0.55, 41781	2.04979	1.39182	2.36332	251.65063	69.80646	418.93362	31.45633	18.505	52.3667	2.69E-08	4.77E-06	5.96E-07	8.31E-12	2.51E-11	1.98E-11	1.01E-14	2.44E-13	1.34E-14	2.67191E-13	3.365E-11	4.7714E-06	5.96493E-07	8.49639E-12	4.07827E-14	4.24082E-12	6.78531E-15
258	571350.6	4178199	0.55, 41781	1.66907	1.18291	1.84305	207.71058	67.17721	304.96385	28.41822	15.5683	43.42728	2.1E-08	3.47E-06	4.95E-07	6.48E-12	1.96E-11	1.55E-11	7.87E-15	1.9E-13	1.05E-14	2.08374E-13	2.624E-11	3.4734E-06	4.94674E-07	6.62605E-12	3.18051E-14	3.30728E-12	5.29164E-15
259	571390.6	4178199	0.55, 41781	1.33874	0.99933	1.42084	175.53523	63.93291	243.3206	26.80029	13.20173	40.55343	1.62E-08	2.77E-06	4.62E-07	4.99E-12	1.51E-11	1.19E-11	6.06E-15	1.46E-13	8.09E-15	1.60641E-13	2.023E-11	2.7714E-06	4.61939E-07	5.10823E-12	2.45195E-14	2.54968E-12	4.07949E-15
260	571430.6	4178199	0.55, 41781	1.08215	0.84466	1.12094	146.49279	60.30749	207.71024	24.41546	11.02968	34.61837	1.28E-08	2.37E-06	3.94E-07	3.94E-12	1.19E-11	9.4E-12	4.78E-15	1.16E-13	6.38E-15	1.26736E-13	1.596E-11	2.3658E-06	3.94339E-07	4.03007E-12	1.93444E-14	2.01154E-12	3.21846E-15
261	571470.6	4178199	0.55, 41781	0.88511	0.71494	0.90372	129.54701	55.96987	172.11269	21.59117	9.33698	28.68545	1.03E-08	1.96E-06	3.27E-07	3.18E-12	9.59E-12	7.58E-12	3.86E-15	9.32E-14	5.14E-15	1.02178E-13	1.287E-11	1.9604E-06	3.26761E-07	3.24914E-12	1.55959E-14	1.62175E-12	2.5948E-15
262	571510.6	4178199	0.55, 41781	0.73336	0.60746	0.74181	112.64977	51.14316	142.69265	18.77496	8.40942	23.78211	8.45E-09	1.63E-06	2.71E-07	2.61E-12	7.87E-12	6.22E-12	3.17E-15	7.65E-14	4.22E-15	8.38722E-14	1.056E-11	1.6253E-06	2.70909E-07	2.66705E-12	1.28018E-14	1.33121E-12	2.12993E-15
263	571550.6	4178199	0.55, 41781	0.6189	0.52125	0.62191	97.68282	46.08498	120.36205	16.28047	7.59304	20.06034	7.08E-09	1.37E-06	2.29E-07	2.19E-12	6.6E-12	5.21E-12	2.65E-15	6.41E-14	3.54E-15	7.03162E-14	8.856E-12	1.3709E-06	2.28514E-07	2.23598E-12	1.07327E-14	1.11605E-12	1.78568E-15
264	571590.6	4178199	0.55, 41781	0.52714	0.45016	0.52751	84.87826	41.93857	102.67653	14.14638	6.8553	17.11275	6.01E-09	1.17E-06	1.95E-07	1.85E-12	5.6E-12	4.42E-12	2.25E-15	5.44E-14	3E-15	5.96431E-14	7.511E-12	1.1695E-06	1.94938E-07	1.89659E-12	9.10361E-15	9.46646E-13	1.51463E-15
265	570310.6	4178239	0.55, 41782	0.10871	0.07725	0.10419	69.36135	22.19632	77.30253	9.49069	3.20395	10.55794	1.19E-09	8.8E-07	1.2E-07	3.66E-13	1.11E-12	8.73E-13	4.45E-16	1.07E-14	5.93E-16	1.178E-14	1.484E-12	8.8047E-07	1.20272E-07	3.7459E-13	1.79803E-15	1.8697E-13	2.99152E-16
266	570350.6	4178239	0.55, 41782	0.12097	0.08699	0.11543	80.24676	23.95533	77.73127	10.03084	3.79637	10.6184	1.31E-09	8.85E-07	1.21E-07	4.06E-13	1.23E-12	9.68E-13	4.93E-16	1.19E-14	6.57E-16	1.30508E-14	1.644E-12	8.8536E-07	1.20962E-07	4.15002E-13	1.99201E-15	2.07141E-13	3.31425E-16
267	570390.6	4178239	0.55, 41782	0.13576	0.09875	0.129	97.68381	28.15369	96.07123	12.21048	4.56788	12.0089	1.47E-09	1.09E-06	1.37E-07	4.53E-13	1.37E-12	1.08E-12	5.51E-16	1.33E-14	7.34E-16	1.45851E-14	1.837E-12	1.0942E-06	1.36805E-07	4.63791E-13	2.2262E-15	2.31493E-13	3.70389E-16
268	570430.6	4178239	0.55, 41782	0.15369	0.11303	0.14573	112.57412	32.01468	119.02369	14.07177	5.30028	14.87796	1.66E-09	1.36E-06	1.69E-07	5.12E-13	1.55E-12	1.22E-12	6.22E-16	1.5E-14	8.29E-16	1.64767E-14	2.075E-12	1.3557E-06	1.69486E-07	5.23942E-13	2.51492E-15	2.61516E-13	4.18426E-16
269	570470.6	4178239	0.55, 41782	0.17542	0.1305	0.16624	120.86213	35.6675	135.90431	15.10777	5.94458	16.98804	1.89E-09	1.55E-06	1.94E-07	5.84E-13	1.76E-12	1.39E-12	7.1E-16	1.71E-14	9.46E-16	1.87957E-14	2.367E-12	1.5479E-06	1.93521E-07	5.97683E-13	2.86888E-15	2.98322E-13	4.77316E-16
270	570510.6	4178239	0.55, 41782	0.20166	0.15208	0.19089	118.29832	38.86505	139.27939	14.78729	6.47751	17.40992	2.17E-09	1.59E-06	1.98E-07	6.71E-13	2.03E-12	1.6E-12	8.15E-16	1.97E-14	1.09E-15	2.15828E-14	2.718E-12	1.5864E-06	1.98325E-07	6.86309E-13	3.29428E-15	3.42559E-13	5.48094E-16
271	570550.6	4178239	0.55, 41782	0.23297	0.17899	0.21994	134.82021	41.51275	155.81716	16.85253	6.91879	19.47714	2.51E-09	1.77E-06	2.22E-07	7.73E-13	2.33E-12	1.84E-12	9.39E-16	2.27E-14	1.25E-15	2.48674E-14	3.132E-12	1.7747E-06	2.21874E-07	7.90756E-13	3.79563E-15	3.94691E-13	6.31506E-16
272	570590.6	4178239	0.55, 41782	0.26933	0.21289	0.25402	138.182	44.61865	161.93184	17.27275	7.89914	20.24148	2.89E-09	1.84E-06	2.31E-07	8.93E-13	2.7E-12	2.13E-12	1.08E-15	2.62E-14	1.45E-15	2.87208E-14	3.617E-12	1.8444E-06	2.3058E-07	9.1329E-13	4.38379E-15	4.55852E-13	7.29363E-16
273	570630.6	4178239	0.55, 41782	0.31001	0.25571	0.29378	151.57706	47.88426	180.12829	18.94713	9.37801	22.51604	3.35E-09	2.05E-06	2.56E-07	1.03E-12	3.12E-12	2.46E-12	1.25E-15	3.03E-14	1.67E-15	3.32165E-14	4.183E-12	2.0516E-06	2.5649E-07	1.05625E-12	5.07E-15	5.27208E-13	8.43532E-16
274	570670.6	4178239	0.55, 41782	0.35129	0.30919	0.33746	163.01094	51.1286	193.67566	20.37637	10.66356	24.20946	3.84E-09	2.21E-06	2.76E-07	1.19E-12	3.58E-12	2.83E-12	1.44E-15	3.48E-14	1.92E-15	3.81556E-14	4.805E-12	2.2059E-06	2.75781E-07	1.21331E-12	5.82388E-15	6.05601E-13	9.68962E-16
275	570710.6	4178239	0.55, 41782	0.3879	0.37553	0.37852	161.77129	55.27243	215.9147	21.46966	11.91574	26.98934	4.31E-09	2.46E-06	3.07E-07	1.33E-12	4.02E-12	3.17E-12	1.62E-15	3.9E-14	2.15E-15	4.2799E-14	5.39E-12	2.4592E-06	3.07444E-07	1.36096E-12	6.53261E-15	6.79299E-13	1.08688E-15
276	570750.6	4178239	0.55, 41782	0.41955	0.45853	0.40652	185.09687	61.2613	243.75059	24.33831	15.0229	31.56234	4.63E-09	2.78E-06	3.6E-07	1.43E-12	4.32E-12	3.41E-12	1.74E-15	4.19E-14	2.31E-15	4.59665E-14	5.789E-12	2.7763E-06	3.59534E-07	1.46168E-12	7.01608E-15	7.29573E-13	1.16732E-15
277	570790.6	4178239	0.55, 41782	0.45531	0.56517	0.42739	195.76674	71.16962	229.68596	30.0466	17.67317	35.54387	4.87E-09	2.62E-06	4.05E-07	1.5E-12	4.54E-12	3.58E-12	1.82E-15	4.41E-14	2.43E-15	4.83287E-14	6.086E-12	2.6161E-06	4.04897E-07	1.5368E-12	7.37663E-15	7.67065E-13	1.2273E-15
278	570830.6	4178239	0.55, 41782	0.51729	0.70869	0.46924	186.14136	86.93814	313.42291	30.32646	20.0795	44.72862	5.35E-09	3.57E-06	5.1E-07	1.65E-12	4.98E-12	3.93E-12	2E-15	4.84E-14	2.67E-15	5.30635E-14	6.683E-12	3.5698E-06	5.09501E-07	1.68736E-12	8.09934E-15	8.42216E-13	1.34755E-15
279	570870.6	4178239	0.55, 41782	0.63421	0.91745	0.53024	225.98347	96.3139	311.28977	37.66391	24.81387	41.34654	6.04E-09	3.55E-06	4.71E-07	1.86E-12	5.63E-12	4.45E-12	2.26E-15	5.47E-14	3.02E-15	5.9965E-14	7.552E-12	3.5456E-06	4.71006E-07	1.90682E-12	9.15275E-15	9.51756E-13	1.52281E-15
280	570910.6	4178239	0.55, 41782	0.85302	1.23442	0.65693	293.13359	117.47886	326.7744	47.06613	30.6738	48.00957	7.49E-09	3.72E-06	5.47E-07	2.31E-12	6.97E-12	5.51E-12	2.8E-15	6.78E-14	3.74E-15	7.42954E-14	9.357E-12	3.722E-06	5.46919E-07	2.36251E-12	1.13401E-14	1.17921E-12	1.88673E-15
281	570950.6	4178239	0.55, 41782	1.35023	1.79208	0.88884	455.80102	142.22416	478.03953	68.40553	39.86266	68.50221	1.01E-08	5.44E-06	7.8E-07	3.13E-12	9.44E-12	7.45E-12	3.8E-15	9.17E-14	5.06E-15	1.00527E-13	1.266E-11	5.4448E-06	7.80373E-07	3.19666E-12	1.5344E-14	1.59555E-12	2.55289E-15
282	570990.6	4178239	0.55, 41782	3.0182	3.06414	1.32054	885.93977	193.04223	771.54657	147.1874	58.20401	96.44332	1.5E-08	8.79E-06	1.1E-06	4.64E-12	1.4E-11	1.11E-11	5.64E-15	1.36E-13	7.52E-15	1.49367E-13	1.881E-11	8.7878E-06	1.09884E-06	4.7497E-12	2.27985E-14	2.37073E-12	3.79316E-15
283	571030.6	4178239	0.55, 41782	7.70332	4.46365	2.30139	679.65913	243.63294	1123.21669	144.28562	71.78775	156.8655	2.62E-08	1.28E-05	1.79E-06	8.09E-12	2.44E-11	1.93E-11	9.83E-15	2.37E-13	1.31E-14	2.60294E-13	3.278E-11	1.2793E-05	1.78696E-06	8.27707E-12	3.97299E-14	4.13135E-12	6.61016E-15
284	571110.6	4178239	0.55, 41782	48.37684	13.76668	3.52906	1082.14109	288.2044	2417.61379	441.33003	115.9324	328.07057	4.02E-08	2.75E-05	3.74E-06	1.24E-11	3.75E-11	2.96E-11	1.51E-14	3.64E-13	2.01E-14	3.99455E-13	5.031E-11	2.7535E-05	3.73771E-06	1.27022E-11	6.09707E-14	6.34009E-12	1.01441E-14
285	571150.6	4178239	0.55, 41782	14.38318	6.22649	4.84511	550.93904	192.81003	1871.63269	147.46183	59.89562	339.77194	5.52E-08	2.13E-05	3.87E-06	1.7E-11	5.14E-11	4.06E-11	2.07E-14	5E-13	2.76E-14	5.47902E-13	6.9E-11	2.1316E-05	3.87006E-06	1.74227E-11	8.36289E-14	8.69622E-12	1.3914E-14
286	571190.6	4178239	0.55, 41782	8.08563	4.10425	7.76231	423.01159	138.20819	1326.9025	88.76631	43.45879	203.98194	8.84E-08	1.51E-05	2.32E-06	2.73E-11	8.24E-11	6.51E-11	3.31E-14	8E-13	4.42E-14	8.77579E-13	1.105E-10	1.5112E-05	2.32339E-06	2.79061E-11	1.33949E-13	1.39288E-11	2.22861E-14
287	571230.6	4178239	0.55, 41782	5.48613	3.01374	6.36519	364.79857	99.98669	820.37732	64.1708	32.88659	114.5851	7.25E-08	9.34E-06	1.31E-06	2.24E-11	6.76E-11	5.34E-11	2.72E-14	6.56E-13	3.62E-14	7.19612E-13	9.063E-11	9.3435E-06	1.30519E-06	2.28829E-11	1.09838E-13	1.14216E-11	1.82745E-14
288	571270.6	4178239	0.55, 41782	3.91656	2.30583	4.21608	308.69657	91.16262	501.73471	42.97299	25.31404	83.35946	4.8E-08	5.71E-06	9.49E-07	1.48E-11	4.47E-11	3.53E-11	1.8E-14	4.35E-13	2.4E-14	4.76655E-13	6.003E-11	5.7145E-06	9.495E-07	1.51571E-11	7.27542E-14	7.56541E-12	1.21046E-14
289	571310.6	4178239	0.55, 41782	2.81911	1.80691	2.86031	238.76095	82.99282	368.88984	36.57222	19.65898	61.48164	3.26E-08	4.2E-06	7E-07	1.01E-11	3.04E-11	2.4E-11	1.22E-14	2.95E-13	1.63E-14	3.23384E-13	4.073E-11	4.2015E-06	7.00317E-07	1.02833E-11	4.93597E-14	5.1327E-12	8.21233E-15
290	571350.6	4178239	0.55, 41782	2.07392	1.43877	2.07081	186.98174	75.01218	257.12826	31.16362	15.62493	42.85471	2.36E-08	2.93E-06	4.88E-07	7.28E-12	2.2E-11	1.74E-11	8.84E-15	2.14E-13	1.18E-14	2.34128E-13	2.949E-11	2.9287E-06	4.88162E-07	7.445E-12	3.5736E-14	3.71604E-12	5.94566E-15
291	571390.6	4178239	0.55, 41782	1.57003	1.1589	1.56847	153.36435	67.14235	200.39228	25.56072	13.28221	31.13336	1.79E-08	2.28E-06	3.55E-07	5.51E-12	1.66E-11	1.31E-11	6.69E-15	1.62E-13	8.93E-15	1.77335E-13	2.233E-11	2.2825E-06	3.54652E-07	5.63905E-12	2.70674E-14	2.81463E-12	4.5034E-15
292	571430.6	4178239	0.55, 41782	1.23548	0.94866	1.2378	124.99719	59.46648	164.5542	20.83286	11.6734	24.18073	1.41E-08	1.87E-06	2.75E-07	4.35E-12	1.31E-11	1.04E-11	5.28E-15	1.28E-13	7.04E-15	1.39949E-13	1.763E-11	1.8743E-06	2.75455E-07	4.45023E-12	2.13611E-14	2.22125E-12	3.55401E-15
293	571470.6	4178239	0.55, 41782	0.99131	0.7845	0.9961	109.3041	54.21436	142.14876	17.2339	10.26711	19.9293	1.13E-08	1.62E-06	2.27E-07	3.5E-12	1.06E-11	8.35E-12	4.25E-15	1.03E-13	5.67E-15	1.12622E-13	1.418E-11	1.6191E-06	2.27025E-07	3.58127E-12	1.71901E-14	1.78753E-12	2.86004E-15
294	571510.6	4178239	0.55, 41782	0.81688	0.65976	0.82266	100.30585	50.40167	129.05875	14.55844	9.03737	16.96469	9.37E-09	1.47E-06	1.93E-07	2.89E-12	8.73E-12	6.9E-12	3.51E-15	8.48E-14	4.68E-15	9.30131E-14	1.171E-11	1.47E-06	1.93253E-07	2.95772E-12	1.4197E-14	1.47629E-12	2.36206E-15
295	571550.6	4178239	0.55, 41782	0.68618	0.56281	0.69258	92.19218	46.80105	116.817	12.52836	7.96128	14.60636	7.89E-09	1.33E-06	1.66E-07	2.43E-12	7.35E-12	5.81E-12	2.96E-15	7.14E-14	3.94E-15	7.8306E-14	9.862E-12	1.3306E-06	1.66388E-07	2.49004E-12	1.19522E-14	1.24286E-12	1.98858E-15
296	571590.6	4178239	0.55, 41782	0.57854	0.48285	0.58537	84.94405	43.3686	105.85184	10.89629	7.01254	13.23148	6.67E-09	1.21E-06	1.51E-07	2.06E-12	6.21E-12	4.91E-12	2.5E-15	6.04E-14	3.33E-15	6.61845E-14	8.335E-12	1.2057E-06	1.50725E-07	2.1046E-12	1.01021E-14	1.05047E-12	1.68075E-15
297	570310.6	4178279	0.55, 41782	0.11004	0.07807	0.10589	74.04292	22.79319	77.67346	10.17864	3.64675	10.70288	1.21E-09	8.85E-07	1.22E-07	3.72E-13	1.12E-12	8.88E-13	4.52E-16	1.09E-14	6.03E-16	1.19722E-14	1.508E-12	8.847E-07	1.21925E-07	3.80702E-13	1.82737E-15	1.9002E-13	3.04032E-16
298	570350.6	4178279	0.55, 41782	0.12249	0.08802	0.11726	80.9847	23.74961	88.18196	11.08549	3.81596	12.05595	1.34E-09	1E-06	1.37E-07	4.12E-13	1.24E-12	9.83E-13	5.01E-16	1.21E-14	6.67E-16	1.32577E-14	1.67E-12	1.0044E-06	1.37338E-07	4.21581E-13	2.02359E-15	2.10425E-13	3.36679E-16
299	570390.6	4178279	0.55, 41782	0.13757	0.10016	0.13084	86.03589	24.80698	96.47388	11.74551	4.00404	13.13274	1.49E-09	1.1E-06	1.5E-07	4.6E-13	1.39E-12	1.1E-12	5.58E-16	1.35E-14	7.45E-16	1.47932E-14	1.863E-12	1.0988E-06	1.49603E-07	4.70407E-13	2.25795E-15	2.34795E-13	3.75672E-16
300	570430.6	4178279	0.55, 41782	0.15607	0.11514	0.14747	96.31741	27.84204	100.58043	12.03968	4.46456	13.6645	1.68E-09	1.15E-06	1.56E-07	5.18E-13	1.57E-12	1.24E-12	6.29E-16	1.52E-14	8.39E-16	1.66735E-14	2.1E-12	1.1456E-06	1.5566E-07	5.30198E-13	2.54495E-15	2.64639E-13	4.23422E-16
301	570470.6	4178279	0.55, 41782	0.17907	0.13378	0.16835	120.52086	33.01708	119.41006	15.06511	5.41696	14.92626	1.92E-09	1.36E-06	1.7E-07	5.92E-13	1.79E-12	1.41E-12	7.19E-16	1.74E-14	9.58E-16	1.90343E-14	2.397E-12	1.3601E-06	1.7004E-07	6.0527E-13	2.9053E-15	3.0211E-13	4.83375E-16
302	570510.6	4178279	0.55, 41782	0.20795	0.15724	0.19497	141.57577	37.85068	153.41811	17.69697	6.30845	19.17726	2.22E-09	1.75E-06	2.18E-07	6.85E-13	2.07E-12	1.63E-12	8.32E-16	2.01E-14	1.11E-15	2.20441E-14	2.776E-12	1.7474E-06	2.18462E-07	7.00979E-13	3.3647E-15	3.49881E-13	5.5981E-16
303	570550.6	4178279	0.55, 41782	0.24435	0.18714	0.22876	153.17347	42.50173	177.88461	19.14668	7.08362	22.23558	2.61E-09	2.03E-06	2.53E-07	8.04E-13	2.43E-12	1.92E-12	9.76E-16	2.36E-14	1.3E-15	2.58646E-14	3.257E-12	2.0261E-06	2.53297E-07	8.22468E-13	3.94784E-15	4.1052E-13	6.56832E-16
304	570590.6	4178279	0.55, 41782	0.28993	0.22577	0.27077	157.86485	46.41285	177.78268	19.73311	7.73548	22.22284	3.08E-09	2.02E-06	2.53E-07	9.52E-13	2.87E-12	2.27E-12	1.16E-15	2.79E-14	1.54E-15	3.06146E-14	3.856E-12	2.0249E-06	2.53154E-07	9.73511E-13	4.67285E-15	4.85911E-13	7.77457E-16
305	570630.6	4178279	0.55, 41782	0.34541	0.27631	0.32199	169.89337	50.77009	212.69617	21.23667	9.57894	26.58702	3.67E-09	2.42E-06	3.03E-07	1.13E-12	3.42E-12	2.7E-12	1.37E-15	3.32E-14	1.83E-15	3.6406E-14	4.585E-12	2.4226E-06	3.02861E-07	1.15767E-12	5.55682E-15	5.77831E-13	9.2453E-16
306	570670.6	4178279	0.55, 41782	0.40869	0.34273	0.38328	189.16159	55.36754	226.13934	23.6452	11.64813	28.26742	4.37E-09	2.58E-06	3.22E-07	1.35E-12	4.07E-12	3.21E-12	1.64E-15	3.95E-14	2.18E-15	4.33362E-14	5.458E-12	2.5757E-06	3.22006E-07	1.37804E-12	6.61461E-15	6.87826E-13	1.10052E-15
307	570710.6	4178279	0.55, 41782	0.47241	0.42944	0.45188	202.37611	59.97812	249.97635	25.29701	13.4468	31.24704	5.15E-09	2.85E-06	3.56E-07	1.59E-12	4.8E-12	3.79E-12	1.93E-15	4.66E-14	2.57E-15	5.10932E-14	6.435E-12	2.8472E-06	3.55946E-07	1.62471E-12	7.79861E-15	8.10944E-13	1.29751E-15
308	570750.6	4178279	0.55, 41782	0.52143	0.53099	0.51003	207.36077	66.44988	280.46815	28.38204	16.35494	35.05852	5.81E-09	3.19E-06	3.99E-07	1.79E-12	5.41E-12	4.28E-12	2.18E-15	5.26E-14	2.9E-15	5.76694E-14	7.263E-12	3.1945E-06	3.99364E-07	1.83382E-12	8.80236E-15	9.1532E-13	1.46451E-15
309	570790.6	4178279	0.55, 41782	0.56782	0.69623	0.54766	217.33897	75.80804	318.83899	33.24185	20.36018	42.96761	6.24E-09	3.63E-06	4.89E-07	1.93E-12	5.81E-12	4.59E-12	2.34E-15	5.65E-14	3.12E-15	6.19278E-14	7.799E-12	3.6315E-06	4.89454E-07	1.96924E-12	9.45234E-15	9.82909E-13	1.57265E-15
310	570830.6	4178279	0.55, 41782	0.62461	0.91706	0.58168	236.67869	94.57659	403.572	34.09074	24.90976	60.93237	6.63E-09	4.6E-06	6.94E-07	2.05E-12	6.17E-12	4.88E-12	2.48E-15	6E-14	3.31E-15	6.57797E-14	8.284E-12	4.5965E-06	6.94054E-07	2.09172E-12	1.00403E-14	1.04405E-12	1.67047E-15
311	570870.6	4178279	0.55, 41782	0.74364	1.27032	0.64347	232.57719	121.10786	430.4482	38.76287	29.17824	53.80602	7.33E-09	4.9E-06	6.13E-07	2.26E-12	6.83E-12	5.4E-12	2.75E-15	6.64E-14	3.66E-15	7.27745E-14	9.165E-12	4.9027E-06	6.12908E-07	2.31415E-12	1.11079E-14	1.15507E-12	1.84811E-15
312	570910.6	4178279	0.55, 41782	0.98087	1.94043	0.78377	289.58181	139.00222	423.1545	48.26363	45.30681	59.61258	8.93E-09	4.82E-06	6.79E-07	2.76E-12	8.32E-12	6.57E-12	3.35E-15	8.08E-14	4.46E-15	8.86533E-14	1.116E-11	4.8197E-06	6.79068E-07	2.81908E-12	1.35316E-14	1.40709E-12	2.25135E-15
313	570950.6	4178279	0.55, 41782	1.54705	3.33468	1.05206	380.89662	209.14004	464.4183	63.48277	60.99964	77.40305	1.2E-08	5.29E-06	8.82E-07	3.7E-12	1.12E-11	8.83E-12	4.49E-15	1.09E-13	5.99E-15	1.19021E-13	1.499E-11	5.2899E-06	8.81728E-07	3.78474E-12	1.81667E-14	1.88908E-12	3.02253E-15
314	571150.6	4178279	0.55, 41782	125.5821	15.27099	61.53709	2183.625	235.47088	4321.7852	1020.3296	115.3363	966.08792	7.01E-07	4.92E-05	1.1E-05	2.16E-10	6.53E-10	5.16E-10	2.63E-13	6.34E-12	3.5E-13	6.95687E-12	8.761E-10	4.9221E-05	1.10058E-05	2.21221E-10	1.06186E-12	1.10418E-10	1.7667E-13
315	571190.6	4178279	0.55, 41782	19.14498	7.50998	20.68123	704.1647	157.76938	1300.13062	186.41477	61.8786	262.75525	2.36E-07	1.48E-05	2.99E-06	7.27E-11	2.19E-10	1.73E-10	8.83E-14	2.13E-12	1.18E-13	2.33804E-12	2.945E-10	1.4808E-05	2.99305E-06	7.43472E-11	3.56867E-13	3.71091E-11	5.93745E-14
316	571230.6	4178279	0.55, 41782	9.41744	4.44398	9.68706	418.2482	120.63814	710.71948	87.01567	39.51148	138.35634	1.1E-07	8.09E-06	1.58E-06	3.4E-11	1.03E-10	8.12E-11	4.13E-14	9.99E-13	5.51E-14	1.09516E-12	1.379E-10	8.0947E-06	1.57599E-06	3.4825E-11	1.6716E-13	1.73823E-11	2.78116E-14
317	571270.6	4178279	0.55, 41782	5.33507	3.02277	5.65407	265.61255	99.06709	486.13138	58.88721	29.56115	89.94232	6.44E-08	5.54E-06	1.02E-06	1.99E-11	6E-11	4.74E-11	2.41E-14	5.83E-13	3.22E-14	6.39228E-13	8.05E-11	5.5368E-06	1.02452E-06	2.03268E-11	9.75684E-14	1.01457E-11	1.62332E-14
318	571310.6	4178279	0.55, 41782	3.44949	2.20529	3.73581	197.38222	83.78037	349.19747	42.40574	23.44903	62.97539	4.26E-08	3.98E-06	7.17E-07	1.31E-11	3.96E-11	3.13E-11	1.59E-14	3.85E-13	2.13E-14	4.22362E-13	5.319E-11	3.9772E-06	7.17348E-07	1.34307E-11	6.44672E-14	6.70367E-12	1.07259E-14
319	571350.6	4178279	0.55, 41782	2.42474	1.67304	2.63741	164.77993	74.08708	262.11907	31.82391	19.20475	45.98547	3E-08	2.99E-06	5.24E-07	9.27E-12	2.8E-11	2.21E-11	1.13E-14	2.72E-13	1.5E-14	2.98183E-13	3.755E-11	2.9855E-06	5.2382E-07	9.48189E-12	4.55131E-14	4.73271E-12	7.57234E-15
320	571390.6	4178279	0.55, 41782	1.80332	1.30805	1.94946	139.62437	66.18564	204.22507	24.75802	16.07748	34.84377	2.22E-08	2.33E-06	3.97E-07	6.85E-12	2.07E-11	1.63E-11	8.32E-15	2.01E-13	1.11E-14	2.20406E-13	2.776E-11	2.3261E-06	3.96907E-07	7.00867E-12	3.36416E-14	3.49825E-12	5.5972E-15
321	571430.6	4178279	0.55, 41782	1.38872	1.04688	1.49158	120.07885	59.47148	164.54693	19.78612	13.66223	27.17412	1.7E-08	1.87E-06	3.1E-07	5.24E-12	1.58E-11	1.25E-11	6.37E-15	1.54E-13	8.49E-15	1.68639E-13	2.124E-11	1.8742E-06	3.09543E-07	5.36255E-12	2.57402E-14	2.67662E-12	4.28259E-15
322	571470.6	4178279	0.55, 41782	1.11171	0.86066	1.18684	104.95004	53.66694	136.91558	16.34545	11.81303	21.87493	1.35E-08	1.56E-06	2.49E-07	4.17E-12	1.26E-11	9.95E-12	5.07E-15	1.22E-13	6.75E-15	1.34186E-13	1.69E-11	1.5595E-06	2.49181E-07	4.26697E-12	2.04814E-14	2.12978E-12	3.40765E-15
323	571510.6	4178279	0.55, 41782	0.90331	0.71725	0.95952	92.95227	48.50847	116.77816	13.70064	10.27697	17.93941	1.09E-08	1.33E-06	2.04E-07	3.37E-12	1.02E-11	8.04E-12	4.1E-15	9.89E-14	5.46E-15	1.08485E-13	1.366E-11	1.3301E-06	2.04351E-07	3.44972E-12	1.65586E-14	1.72186E-12	2.75498E-15
324	571550.6	4178279	0.55, 41782	0.74685	0.60641	0.79002	83.35854	43.88956	102.16829	11.6678	9.00306	14.97338	9E-09	1.16E-06	1.71E-07	2.78E-12	8.38E-12	6.62E-12	3.37E-15	8.15E-14	4.5E-15	8.93218E-14	1.125E-11	1.1637E-06	1.70566E-07	2.84034E-12	1.36336E-14	1.4177E-12	2.26832E-15
325	571590.6	4178279	0.55, 41782	0.63093	0.52161	0.66513	75.57295	41.1264	91.05382	10.11638	7.96472	12.7323	7.58E-09	1.04E-06	1.45E-07	2.34E-12	7.06E-12	5.58E-12	2.84E-15	6.86E-14	3.79E-15	7.52017E-14	9.471E-12	1.0371E-06	1.45037E-07	2.39133E-12	1.14784E-14	1.19359E-12	1.90975E-15
326	570310.6	4178319	0.55, 41783	0.1112	0.07908	0.10686	65.67409	25.12162	71.57917	10.72274	3.92383	11.92986	1.22E-09	8.15E-07	1.36E-07	3.76E-13	1.13E-12	8.96E-13	4.56E-16	1.1E-14	6.08E-16	1.20818E-14	1.522E-12	8.1529E-07	1.359E-07	3.84189E-13	1.84411E-15	1.91761E-13	3.06818E-16
327	570350.6	4178319	0.55, 41783	0.12381	0.08915	0.11863	72.99363	26.3644	78.028	10.96785	4.13077	12.26515	1.35E-09	8.89E-07	1.4E-07	4.17E-13	1.26E-12	9.95E-13	5.06E-16	1.22E-14	6.75E-16	1.34126E-14	1.689E-12	8.8874E-07	1.3972E-07	4.26507E-13	2.04723E-15	2.12883E-13	3.40613E-16
328	570390.6	4178319	0.55, 41783	0.13907	0.1015	0.13256	85.61577	27.73961	87.79758	11.84211	4.3586	12.34233	1.51E-09	1E-06	1.41E-07	4.66E-13	1.41E-12	1.11E-12	5.66E-16	1.37E-14	7.54E-16	1.49876E-14	1.888E-12	1E-06	1.40602E-07	4.7659E-13	2.28763E-15	2.37882E-13	3.8061E-16
329	570430.6	4178319	0.55, 41783	0.15783	0.11689	0.14946	97.99246	29.27563	105.83642	13.47747	4.61214	14.5399	1.7E-09	1.21E-06	1.66E-07	5.25E-13	1.59E-12	1.25E-12	6.38E-16	1.54E-14	8.51E-16	1.68985E-14	2.128E-12	1.2055E-06	1.65634E-07	5.37353E-13	2.57929E-15	2.6821E-13	4.29136E-16
330	570470.6	4178319	0.55, 41783	0.18134	0.13633	0.17027	108.90086	31.01454	122.78	14.92794	4.89871	16.74752	1.94E-09	1.4E-06	1.91E-07	5.99E-13	1.81E-12	1.43E-12	7.27E-16	1.76E-14	9.69E-16	1.92514E-14	2.425E-12	1.3984E-06	1.90781E-07	6.12174E-13	2.93844E-15	3.05556E-13	4.88889E-16
331	570510.6	4178319	0.55, 41783	0.21129	0.16124	0.19656	118.40452	33.29424	135.32696	15.9306	5.40834	18.39398	2.24E-09	1.54E-06	2.1E-07	6.91E-13	2.09E-12	1.65E-12	8.39E-16	2.03E-14	1.12E-15	2.2224E-14	2.799E-12	1.5413E-06	2.09535E-07	7.06699E-13	3.39215E-15	3.52736E-13	5.64377E-16
332	570550.6	4178319	0.55, 41783	0.2503	0.19368	0.23096	153.9338	39.94632	153.89508	19.24172	6.62991	19.23689	2.63E-09	1.75E-06	2.19E-07	8.12E-13	2.45E-12	1.94E-12	9.86E-16	2.38E-14	1.31E-15	2.61135E-14	3.289E-12	1.7528E-06	2.19146E-07	8.30382E-13	3.98583E-15	4.1447E-13	6.63152E-16
333	570590.6	4178319	0.55, 41783	0.30196	0.23671	0.27701	186.54438	46.61587	209.37606	23.31805	7.76931	26.17201	3.16E-09	2.38E-06	2.98E-07	9.74E-13	2.94E-12	2.32E-12	1.18E-15	2.86E-14	1.58E-15	3.13203E-14	3.944E-12	2.3847E-06	2.98141E-07	9.95952E-13	4.78057E-15	4.97111E-13	7.95378E-16
334	570630.6	4178319	0.55, 41783	0.37105	0.29503	0.3391	205.0145	52.79857	247.59232	25.62681	8.79976	30.94904	3.86E-09	2.82E-06	3.53E-07	1.19E-12	3.6E-12	2.84E-12	1.45E-15	3.5E-14	1.93E-15	3.83407E-14	4.829E-12	2.82E-06	3.52553E-07	1.21919E-12	5.85213E-15	6.08538E-13	9.73661E-16
335	570670.6	4178319	0.55, 41783	0.462	0.37572	0.42024	218.45656	59.57781	273.51496	27.30707	11.98561	34.18937	4.79E-09	3.12E-06	3.89E-07	1.48E-12	4.46E-12	3.52E-12	1.79E-15	4.33E-14	2.39E-15	4.75152E-14	5.984E-12	3.1152E-06	3.89462E-07	1.51093E-12	7.25247E-15	7.54154E-13	1.20665E-15
336	570710.6	4178319	0.55, 41783	0.57218	0.48827	0.5224	242.44958	66.62286	291.17197	30.3062	15.15553	36.3965	5.95E-09	3.32E-06	4.15E-07	1.84E-12	5.54E-12	4.38E-12	2.23E-15	5.39E-14	2.97E-15	5.90666E-14	7.439E-12	3.3164E-06	4.14608E-07	1.87826E-12	9.01563E-15	9.37497E-13	1.5E-15
337	570750.6	4178319	0.55, 41783	0.67767	0.63416	0.63666	262.41203	72.71034	341.04886	32.8015	17.84948	42.63111	7.25E-09	3.88E-06	4.86E-07	2.24E-12	6.76E-12	5.34E-12	2.72E-15	6.56E-14	3.62E-15	7.19868E-14	9.066E-12	3.8844E-06	4.8562E-07	2.2891E-12	1.09877E-14	1.14256E-12	1.8281E-15
338	570790.6	4178319	0.55, 41783	0.76041	0.85502	0.73352	285.66779	86.45349	381.79277	42.9347	23.67926	50.68659	8.36E-09	4.35E-06	5.77E-07	2.58E-12	7.79E-12	6.15E-12	3.13E-15	7.56E-14	4.18E-15	8.29421E-14	1.045E-11	4.3485E-06	5.77394E-07	2.63747E-12	1.26599E-14	1.31645E-12	2.10631E-15
339	570830.6	4178319	0.55, 41783	0.82107	1.23378	0.77266	302.59427	109.05103	424.78874	45.07728	29.79255	65.49858	8.8E-09	4.84E-06	7.46E-07	2.72E-12	8.2E-12	6.48E-12	3.3E-15	7.97E-14	4.4E-15	8.73772E-14	1.1E-11	4.8382E-06	7.46092E-07	2.7785E-12	1.33368E-14	1.38684E-12	2.21894E-15
340	570870.6	4178319	0.55, 41783	0.93174	1.8881	0.81484	263.71888	150.69846	583.61	37.23183	42.82711	79.94464	9.29E-09	6.65E-06	9.11E-07	2.87E-12	8.65E-12	6.83E-12	3.48E-15	8.4E-14	4.64E-15	9.21637E-14	1.161E-11	6.6471E-06	9.10591E-07	2.93071E-12	1.40674E-14	1.46281E-12	2.3405E-15
341	570910.6	4178319	0.55, 41783	1.19482	3.5981	0.94641	225.26352	195.84246	582.08496	37.31993	59.29253	72.76062	1.08E-08	6.63E-06	8.29E-07	3.33E-12	1.01E-11	7.94E-12	4.04E-15	9.77E-14	5.39E-15	1.07085E-13	1.349E-11	6.6299E-06	8.28774E-07	3.40518E-12	1.63449E-14	1.69963E-12	2.71941E-15
342	571190.6	4178319	0.55, 41783	29.13102	9.74239	24.19825	1204.46355	192.40018	1781.17361	337.10397	86.14095	400.692	2.76E-07	2.03E-05	4.56E-06	8.51E-11	2.57E-10	2.03E-10	1.03E-13	2.49E-12	1.38E-13	2.73569E-12	3.445E-10	2.0286E-05	4.56446E-06	8.69921E-11	4.17562E-13	4.34205E-11	6.94729E-14
343	571230.6	4178319	0.55, 41783	10.45163	5.25398	11.58574	479.33008	117.37647	725.29291	126.19986	44.06446	185.38424	1.32E-07	8.26E-06	2.11E-06	4.07E-11	1.23E-10	9.71E-11	4.94E-14	1.19E-12	6.59E-14	1.30981E-12	1.65E-10	8.2607E-06	2.1117E-06	4.16506E-11	1.99923E-13	2.07892E-11	3.32626E-14
344	571270.6	4178319	0.55, 41783	5.72808	3.4301	6.64009	292.22118	96.9874	479.91721	63.79547	33.00222	105.59121	7.56E-08	5.47E-06	1.2E-06	2.33E-11	7.05E-11	5.57E-11	2.83E-14	6.85E-13	3.78E-14	7.50698E-13	9.454E-11	5.4661E-06	1.20276E-06	2.38714E-11	1.14583E-13	1.1915E-11	1.9064E-14
345	571310.6	4178319	0.55, 41783	3.67711	2.43151	4.23514	175.48484	83.52768	339.71763	43.52526	25.92364	69.01312	4.82E-08	3.87E-06	7.86E-07	1.49E-11	4.49E-11	3.55E-11	1.81E-14	4.37E-13	2.41E-14	4.78813E-13	6.03E-11	3.8693E-06	7.86114E-07	1.52257E-11	7.30835E-14	7.59965E-12	1.21594E-14
346	571350.6	4178319	0.55, 41783	2.57847	1.81872	2.91777	135.74456	73.58424	245.66728	31.86463	21.08438	47.561	3.32E-08	2.8E-06	5.42E-07	1.03E-11	3.1E-11	2.45E-11	1.25E-14	3.01E-13	1.66E-14	3.29879E-13	4.154E-11	2.7981E-06	5.41763E-07	1.04898E-11	5.0351E-14	5.23579E-12	8.37726E-15
347	571390.6	4178319	0.55, 41783	1.91038	1.41202	2.12389	114.67965	65.84745	189.40245	24.95277	17.54735	35.6451	2.42E-08	2.16E-06	4.06E-07	7.47E-12	2.25E-11	1.78E-11	9.07E-15	2.19E-13	1.21E-14	2.40126E-13	3.024E-11	2.1573E-06	4.06033E-07	7.63576E-12	3.66516E-14	3.81125E-12	6.098E-15
348	571430.6	4178319	0.55, 41783	1.47151	1.12853	1.61377	100.57811	59.61061	161.57422	20.18585	14.84739	27.57311	1.84E-08	1.84E-06	3.14E-07	5.67E-12	1.71E-11	1.35E-11	6.89E-15	1.66E-13	9.18E-15	1.82454E-13	2.298E-11	1.8403E-06	3.14088E-07	5.80184E-12	2.78488E-14	2.89588E-12	4.63341E-15
349	571470.6	4178319	0.55, 41783	1.16585	0.92218	1.2649	90.09229	54.43044	139.38169	16.69193	12.71837	21.87498	1.44E-08	1.59E-06	2.49E-07	4.45E-12	1.34E-11	1.06E-11	5.4E-15	1.3E-13	7.2E-15	1.43012E-13	1.801E-11	1.5876E-06	2.49182E-07	4.54761E-12	2.18285E-14	2.26986E-12	3.63178E-15
350	571510.6	4178319	0.55, 41783	0.94595	0.76805	1.01773	81.52103	50.05282	121.69	14.06823	11.00608	17.76049	1.16E-08	1.39E-06	2.02E-07	3.58E-12	1.08E-11	8.53E-12	4.34E-15	1.05E-13	5.79E-15	1.15067E-13	1.449E-11	1.3861E-06	2.02315E-07	3.659E-12	1.75632E-14	1.82633E-12	2.92212E-15
351	571550.6	4178319	0.55, 41783	0.78212	0.64956	0.83556	74.38547	46.28731	107.35752	12.02264	9.59923	14.66288	9.52E-09	1.22E-06	1.67E-07	2.94E-12	8.87E-12	7.01E-12	3.57E-15	8.61E-14	4.76E-15	9.44709E-14	1.19E-11	1.2228E-06	1.6703E-07	3.00407E-12	1.44195E-14	1.49943E-12	2.39909E-15
352	571590.6	4178319	0.55, 41783	0.65442	0.55508	0.69496	68.29245	42.98116	95.34122	10.3334	8.40789	12.26582	7.92E-09	1.09E-06	1.4E-07	2.44E-12	7.38E-12	5.83E-12	2.97E-15	7.17E-14	3.96E-15	7.85747E-14	9.896E-12	1.086E-06	1.39725E-07	2.49859E-12	1.19932E-14	1.24713E-12	1.9954E-15
353	570310.6	4178359	0.55, 41783	0.11229	0.07993	0.10794	69.29068	26.58817	75.81746	11.54845	4.0095	12.46153	1.23E-09	8.64E-07	1.42E-07	3.79E-13	1.15E-12	9.05E-13	4.61E-16	1.11E-14	6.14E-16	1.22039E-14	1.537E-12	8.6357E-07	1.41958E-07	3.88072E-13	1.86275E-15	1.93699E-13	3.09919E-16
354	570350.6	4178359	0.55, 41783	0.12531	0.09043	0.1201	75.30937	28.06345	82.61098	12.55156	4.25756	13.7685	1.37E-09	9.41E-07	1.57E-07	4.22E-13	1.27E-12	1.01E-12	5.13E-16	1.24E-14	6.84E-16	1.35788E-14	1.71E-12	9.4094E-07	1.56846E-07	4.31792E-13	2.0726E-15	2.15521E-13	3.44834E-16
355	570390.6	4178359	0.55, 41783	0.14084	0.10296	0.13441	81.29058	29.71471	90.82388	13.54843	4.53386	15.13731	1.53E-09	1.03E-06	1.72E-07	4.72E-13	1.43E-12	1.13E-12	5.74E-16	1.39E-14	7.65E-16	1.51968E-14	1.914E-12	1.0345E-06	1.72438E-07	4.83242E-13	2.31956E-15	2.41201E-13	3.85922E-16
356	570430.6	4178359	0.55, 41783	0.15989	0.11858	0.15186	87.11605	31.54887	98.44842	14.51934	4.83992	16.40807	1.73E-09	1.12E-06	1.87E-07	5.34E-13	1.61E-12	1.27E-12	6.48E-16	1.57E-14	8.64E-16	1.71698E-14	2.162E-12	1.1213E-06	1.86914E-07	5.45982E-13	2.62071E-15	2.72517E-13	4.36027E-16
357	570470.6	4178359	0.55, 41783	0.18374	0.13844	0.17326	97.3598	33.59814	106.34308	15.36354	5.1813	17.51553	1.97E-09	1.21E-06	2E-07	6.09E-13	1.84E-12	1.45E-12	7.4E-16	1.79E-14	9.86E-16	1.95895E-14	2.467E-12	1.2112E-06	1.99529E-07	6.22924E-13	2.99003E-15	3.10921E-13	4.97474E-16
358	570510.6	4178359	0.55, 41783	0.21432	0.16421	0.20002	118.04415	35.93263	125.3205	16.48105	5.5698	18.1537	2.28E-09	1.43E-06	2.07E-07	7.03E-13	2.12E-12	1.68E-12	8.54E-16	2.06E-14	1.14E-15	2.26152E-14	2.848E-12	1.4274E-06	2.06801E-07	7.19138E-13	3.45186E-15	3.58945E-13	5.74312E-16
359	570550.6	4178359	0.55, 41783	0.25472	0.19842	0.23435	139.50155	38.63371	157.96544	19.4148	6.01971	21.81117	2.67E-09	1.8E-06	2.48E-07	8.24E-13	2.49E-12	1.96E-12	1E-15	2.42E-14	1.33E-15	2.64969E-14	3.337E-12	1.7992E-06	2.48464E-07	8.42572E-13	4.04435E-15	4.20555E-13	6.72887E-16
360	570590.6	4178359	0.55, 41783	0.30979	0.24497	0.28017	159.83108	41.83842	190.36526	22.23989	6.84975	26.13545	3.19E-09	2.17E-06	2.98E-07	9.85E-13	2.97E-12	2.35E-12	1.2E-15	2.89E-14	1.59E-15	3.16778E-14	3.989E-12	2.1682E-06	2.97721E-07	1.00732E-12	4.83513E-15	5.02785E-13	8.04456E-16
361	570630.6	4178359	0.55, 41783	0.38734	0.31015	0.34391	206.43147	51.05257	211.21178	25.80393	8.50876	28.98998	3.92E-09	2.41E-06	3.3E-07	1.21E-12	3.65E-12	2.88E-12	1.47E-15	3.55E-14	1.96E-15	3.88849E-14	4.897E-12	2.4057E-06	3.30242E-07	1.2365E-12	5.93519E-15	6.17175E-13	9.87481E-16
362	570670.6	4178359	0.55, 41783	0.50063	0.40488	0.43681	262.98595	60.70684	312.78941	32.87324	10.74505	39.09868	4.98E-09	3.56E-06	4.45E-07	1.54E-12	4.64E-12	3.66E-12	1.86E-15	4.5E-14	2.49E-15	4.93891E-14	6.22E-12	3.5626E-06	4.4539E-07	1.57052E-12	7.5385E-15	7.83897E-13	1.25424E-15
363	570710.6	4178359	0.55, 41783	0.66972	0.54814	0.57453	304.17814	72.14807	380.66102	38.02227	15.71205	47.58263	6.54E-09	4.34E-06	5.42E-07	2.02E-12	6.1E-12	4.82E-12	2.45E-15	5.92E-14	3.27E-15	6.49613E-14	8.181E-12	4.3356E-06	5.42029E-07	2.0657E-12	9.91536E-15	1.03106E-12	1.64969E-15
364	570750.6	4178359	0.55, 41783	0.90523	0.76876	0.77041	339.35657	85.82023	445.46467	44.72327	21.31802	55.68308	8.78E-09	5.07E-06	6.34E-07	2.71E-12	8.18E-12	6.46E-12	3.29E-15	7.94E-14	4.38E-15	8.71102E-14	1.097E-11	5.0737E-06	6.34304E-07	2.77001E-12	1.3296E-14	1.3826E-12	2.21216E-15
365	570790.6	4178359	0.55, 41783	1.13154	1.06104	0.98839	377.53193	96.31599	507.3356	54.94081	27.90141	63.41695	1.13E-08	5.78E-06	7.22E-07	3.47E-12	1.05E-11	8.29E-12	4.22E-15	1.02E-13	5.63E-15	1.11759E-13	1.407E-11	5.7783E-06	7.22416E-07	3.55382E-12	1.70583E-14	1.77382E-12	2.83812E-15
366	570830.6	4178359	0.55, 41783	1.33226	1.74963	1.18947	411.58415	139.14147	649.42864	69.46909	37.35577	97.59965	1.36E-08	7.4E-06	1.11E-06	4.18E-12	1.26E-11	9.97E-12	5.08E-15	1.23E-13	6.77E-15	1.34509E-13	1.694E-11	7.3967E-06	1.11176E-06	4.27723E-12	2.05307E-14	2.1349E-12	3.41584E-15
367	570870.6	4178359	0.55, 41783	1.45984	3.38436	1.19217	346.78431	184.49712	847.26971	52.43952	61.49528	124.03925	1.36E-08	9.65E-06	1.41E-06	4.19E-12	1.27E-11	1E-11	5.09E-15	1.23E-13	6.79E-15	1.3486E-13	1.698E-11	9.65E-06	1.41282E-06	4.2884E-12	2.05843E-14	2.14048E-12	3.42476E-15
368	571150.6	4178359	0.55, 41783	17.36196	17.82412	10.70274	1537.79423	258.8776	2153.28101	350.34789	128.93656	372.67701	1.22E-07	2.45E-05	4.25E-06	3.76E-11	1.14E-10	8.98E-11	4.57E-14	1.1E-12	6.09E-14	1.21037E-12	1.524E-10	2.4525E-05	4.24545E-06	3.84885E-11	1.84745E-13	1.92108E-11	3.07374E-14
369	571190.6	4178359	0.55, 41783	10.35157	8.16971	8.42586	590.93034	162.31709	1380.32388	161.82999	76.08872	218.22557	9.6E-08	1.57E-05	2.49E-06	2.96E-11	8.94E-11	7.06E-11	3.6E-14	8.69E-13	4.8E-14	9.52706E-13	1.2E-10	1.5721E-05	2.48584E-06	3.0295E-11	1.45416E-13	1.51212E-11	2.41939E-14
370	571230.6	4178359	0.55, 41783	6.41954	4.85697	6.11014	429.96716	118.18476	649.38165	103.83364	47.29307	136.54892	6.96E-08	7.4E-06	1.56E-06	2.15E-11	6.49E-11	5.12E-11	2.61E-14	6.3E-13	3.48E-14	6.90836E-13	8.7E-11	7.3962E-06	1.55546E-06	2.19678E-11	1.05446E-13	1.09648E-11	1.75438E-14
371	571270.6	4178359	0.55, 41783	4.24607	3.28764	4.46672	330.34534	97.41521	669.03521	71.25122	30.79427	101.30501	5.09E-08	7.62E-06	1.15E-06	1.57E-11	4.74E-11	3.74E-11	1.91E-14	4.61E-13	2.54E-14	5.05016E-13	6.36E-11	7.6199E-06	1.15397E-06	1.6059E-11	7.7083E-14	8.01554E-12	1.28249E-14
372	571310.6	4178359	0.55, 41783	3.01802	2.39332	3.29044	280.32399	84.30249	476.5001	47.38187	23.6076	69.83839	3.75E-08	5.43E-06	7.96E-07	1.16E-11	3.49E-11	2.76E-11	1.4E-14	3.39E-13	1.87E-14	3.72022E-13	4.685E-11	5.4271E-06	7.95525E-07	1.18299E-11	5.67835E-14	5.90468E-12	9.44749E-15
373	571350.6	4178359	0.55, 41783	2.25439	1.82521	2.47896	223.1696	75.03337	276.07803	32.74083	19.24184	47.29925	2.82E-08	3.14E-06	5.39E-07	8.71E-12	2.63E-11	2.08E-11	1.06E-14	2.56E-13	1.41E-14	2.80276E-13	3.53E-11	3.1445E-06	5.38785E-07	8.91246E-12	4.27798E-14	4.44849E-12	7.11759E-15
374	571390.6	4178359	0.55, 41783	1.7395	1.43625	1.90839	164.0034	68.00709	177.73654	25.39154	16.17569	38.72375	2.17E-08	2.02E-06	4.41E-07	6.71E-12	2.03E-11	1.6E-11	8.15E-15	1.97E-13	1.09E-14	2.15767E-13	2.717E-11	2.0245E-06	4.41097E-07	6.86115E-12	3.29335E-14	3.42462E-12	5.47939E-15
375	571430.6	4178359	0.55, 41783	1.37666	1.15767	1.50113	113.66708	62.41604	162.05892	21.33563	13.79366	30.03325	1.71E-08	1.85E-06	3.42E-07	5.28E-12	1.59E-11	1.26E-11	6.41E-15	1.55E-13	8.54E-15	1.69722E-13	2.137E-11	1.8459E-06	3.4211E-07	5.39697E-12	2.59055E-14	2.6938E-12	4.31008E-15
376	571470.6	4178359	0.55, 41783	1.11313	0.95193	1.20554	91.64258	57.80687	139.39839	17.74486	11.89568	22.85385	1.37E-08	1.59E-06	2.6E-07	4.24E-12	1.28E-11	1.01E-11	5.15E-15	1.24E-13	6.86E-15	1.36302E-13	1.717E-11	1.5878E-06	2.60334E-07	4.33427E-12	2.08045E-14	2.16337E-12	3.46139E-15
377	571510.6	4178359	0.55, 41783	0.9166	0.79605	0.98663	82.11168	53.90312	116.32041	14.64829	10.35284	20.08654	1.12E-08	1.32E-06	2.29E-07	3.47E-12	1.05E-11	8.27E-12	4.21E-15	1.02E-13	5.62E-15	1.11552E-13	1.405E-11	1.3249E-06	2.28808E-07	3.54724E-12	1.70267E-14	1.77054E-12	2.83286E-15
378	571550.6	4178359	0.55, 41783	0.76622	0.67498	0.82026	72.9064	50.52239	102.58687	12.13868	9.07968	17.28494	9.34E-09	1.17E-06	1.97E-07	2.88E-12	8.71E-12	6.88E-12	3.5E-15	8.46E-14	4.67E-15	9.27421E-14	1.168E-11	1.1685E-06	1.96893E-07	2.9491E-12	1.41557E-14	1.47199E-12	2.35518E-15
379	571590.6	4178359	0.55, 41783	0.64386	0.57575	0.68602	65.94968	47.48497	92.44167	10.99161	8.00686	15.40694	7.81E-09	1.05E-06	1.76E-07	2.41E-12	7.28E-12	5.75E-12	2.93E-15	7.07E-14	3.9E-15	7.75646E-14	9.768E-12	1.053E-06	1.75501E-07	2.46647E-12	1.18391E-14	1.23109E-12	1.96975E-15
380	570310.6	4178399	0.55, 41783	0.11287	0.08031	0.1093	71.34246	27.87564	79.43468	11.89041	3.82503	13.23911	1.25E-09	9.05E-07	1.51E-07	3.84E-13	1.16E-12	9.16E-13	4.67E-16	1.13E-14	6.22E-16	1.23577E-14	1.556E-12	9.0477E-07	1.50815E-07	3.92961E-13	1.88621E-15	1.96139E-13	3.13823E-16
381	570350.6	4178399	0.55, 41783	0.12665	0.09175	0.12214	75.96419	29.57043	83.22909	12.46202	4.12173	13.80548	1.39E-09	9.48E-07	1.57E-07	4.29E-13	1.3E-12	1.02E-12	5.21E-16	1.26E-14	6.95E-16	1.38095E-14	1.739E-12	9.4799E-07	1.57267E-07	4.39126E-13	2.1078E-15	2.19182E-13	3.50691E-16
382	570390.6	4178399	0.55, 41783	0.1425	0.10434	0.13672	83.29233	31.439	92.96873	13.04897	4.44958	14.404	1.56E-09	1.06E-06	1.64E-07	4.81E-13	1.45E-12	1.15E-12	5.84E-16	1.41E-14	7.78E-16	1.5458E-14	1.947E-12	1.0589E-06	1.64085E-07	4.91546E-13	2.35942E-15	2.45347E-13	3.92554E-16
383	570430.6	4178399	0.55, 41783	0.16211	0.12032	0.15453	91.32735	33.521	103.76057	14.59534	4.81492	15.65812	1.76E-09	1.18E-06	1.78E-07	5.43E-13	1.64E-12	1.3E-12	6.6E-16	1.59E-14	8.79E-16	1.74717E-14	2.2E-12	1.1818E-06	1.78373E-07	5.55581E-13	2.66679E-15	2.77308E-13	4.43693E-16
384	570470.6	4178399	0.55, 41783	0.18668	0.14051	0.17655	100.43451	35.89015	115.76296	16.57018	5.22899	18.35818	2.01E-09	1.32E-06	2.09E-07	6.21E-13	1.87E-12	1.48E-12	7.54E-16	1.82E-14	1E-15	1.99614E-14	2.514E-12	1.3185E-06	2.0913E-07	6.34752E-13	3.04681E-15	3.16825E-13	5.0692E-16
385	570510.6	4178399	0.55, 41783	0.21834	0.16684	0.20421	112.76596	38.62084	128.93318	18.79433	5.70408	21.48886	2.33E-09	1.47E-06	2.45E-07	7.18E-13	2.17E-12	1.71E-12	8.72E-16	2.11E-14	1.16E-15	2.30889E-14	2.908E-12	1.4685E-06	2.44791E-07	7.34202E-13	3.52417E-15	3.66464E-13	5.86342E-16
386	570550.6	4178399	0.55, 41783	0.26039	0.20212	0.2399	127.75395	41.82578	149.79254	21.29232	6.25899	24.96542	2.73E-09	1.71E-06	2.84E-07	8.43E-13	2.55E-12	2.01E-12	1.02E-15	2.47E-14	1.37E-15	2.71244E-14	3.416E-12	1.7061E-06	2.84393E-07	8.62525E-13	4.14012E-15	4.30514E-13	6.88822E-16
387	570590.6	4178399	0.55, 41783	0.3185	0.25095	0.28739	144.10526	45.67081	172.10131	24.01754	7.17597	28.68355	3.27E-09	1.96E-06	3.27E-07	1.01E-12	3.05E-12	2.41E-12	1.23E-15	2.96E-14	1.64E-15	3.24941E-14	4.092E-12	1.9602E-06	3.26747E-07	1.03328E-12	4.95973E-15	5.15742E-13	8.25186E-16
388	570630.6	4178399	0.55, 41783	0.40291	0.32135	0.35272	177.65061	50.39519	203.06539	27.05917	8.74903	32.05961	4.02E-09	2.31E-06	3.65E-07	1.24E-12	3.74E-12	2.96E-12	1.51E-15	3.64E-14	2.01E-15	3.98811E-14	5.023E-12	2.3129E-06	3.65206E-07	1.26818E-12	6.08725E-15	6.32987E-13	1.01278E-15
389	570670.6	4178399	0.55, 41783	0.53348	0.4284	0.44753	224.79663	56.41372	278.51402	32.60934	10.76331	39.25369	5.1E-09	3.17E-06	4.47E-07	1.57E-12	4.75E-12	3.75E-12	1.91E-15	4.61E-14	2.55E-15	5.06017E-14	6.373E-12	3.1722E-06	4.47155E-07	1.60908E-12	7.72358E-15	8.03143E-13	1.28503E-15
390	570710.6	4178399	0.55, 41783	0.75271	0.60288	0.59636	297.96202	70.92072	361.49768	41.13122	14.0152	50.83456	6.79E-09	4.12E-06	5.79E-07	2.1E-12	6.33E-12	5E-12	2.55E-15	6.15E-14	3.39E-15	6.74307E-14	8.492E-12	4.1173E-06	5.79074E-07	2.14422E-12	1.02923E-14	1.07025E-12	1.7124E-15
391	570750.6	4178399	0.55, 41783	1.15447	0.90762	0.85203	416.42427	90.04322	551.74774	52.05303	22.1169	68.96847	9.71E-09	6.28E-06	7.86E-07	3E-12	9.04E-12	7.14E-12	3.64E-15	8.79E-14	4.85E-15	9.6341E-14	1.213E-11	6.2841E-06	7.85632E-07	3.06354E-12	1.4705E-14	1.52911E-12	2.44658E-15
392	570790.6	4178399	0.55, 41783	1.70092	1.35462	1.23288	632.44551	121.09647	736.15706	79.05569	31.00919	92.01963	1.4E-08	8.38E-06	1.05E-06	4.33E-12	1.31E-11	1.03E-11	5.26E-15	1.27E-13	7.02E-15	1.39406E-13	1.756E-11	8.3845E-06	1.04824E-06	4.43296E-12	2.12782E-14	2.21263E-12	3.54021E-15
393	570830.6	4178399	0.55, 41783	3.46088	2.976	2.05541	854.46592	185.76652	929.26678	157.19416	64.23703	133.05669	2.34E-08	1.06E-05	1.52E-06	7.23E-12	2.18E-11	1.72E-11	8.77E-15	2.12E-13	1.17E-14	2.32434E-13	2.927E-11	1.0584E-05	1.51585E-06	7.39115E-12	3.54775E-14	3.68916E-12	5.90266E-15
394	571110.6	4178399	0.55, 41783	4.7766	17.70794	5.53677	386.44752	237.89657	1139.86397	91.74551	117.26543	182.49582	6.31E-08	1.3E-05	2.08E-06	1.95E-11	5.88E-11	4.64E-11	2.36E-14	5.71E-13	3.15E-14	6.26376E-13	7.889E-11	1.2982E-05	2.0787E-06	1.99181E-11	9.56068E-14	9.94175E-12	1.59068E-14
395	571150.6	4178399	0.55, 41783	4.75682	9.04164	4.75414	493.27775	194.83019	977.82769	91.47407	80.27894	179.74579	5.42E-08	1.11E-05	2.05E-06	1.67E-11	5.05E-11	3.99E-11	2.03E-14	4.9E-13	2.71E-14	5.37667E-13	6.771E-11	1.1137E-05	2.04738E-06	1.70972E-11	8.20667E-14	8.53378E-12	1.3654E-14
396	571190.6	4178399	0.55, 41783	4.13591	5.67532	3.9763	541.83424	159.29594	784.3481	82.25115	55.55038	130.43816	4.53E-08	8.93E-06	1.49E-06	1.4E-11	4.22E-11	3.33E-11	1.7E-14	4.1E-13	2.26E-14	4.49646E-13	5.663E-11	8.9334E-06	1.48579E-06	1.42982E-11	6.86316E-14	7.13671E-12	1.14187E-14
397	571230.6	4178399	0.55, 41783	3.34043	3.91116	3.41587	419.25179	113.41297	723.05548	67.92735	42.50701	103.29364	3.89E-08	8.24E-06	1.18E-06	1.2E-11	3.63E-11	2.86E-11	1.46E-14	3.52E-13	1.94E-14	3.86244E-13	4.864E-11	8.2352E-06	1.1766E-06	1.22821E-11	5.89543E-14	6.13041E-12	9.80865E-15
398	571270.6	4178399	0.55, 41783	2.69096	2.84934	2.72459	276.99568	96.24025	620.23738	46.4546	32.10306	94.16047	3.1E-08	7.06E-06	1.07E-06	9.58E-12	2.89E-11	2.28E-11	1.16E-14	2.81E-13	1.55E-14	3.08071E-13	3.88E-11	7.0641E-06	1.07252E-06	9.79633E-12	4.70224E-14	4.88966E-12	7.82346E-15
399	571310.6	4178399	0.55, 41783	2.15304	2.16763	2.23142	240.01182	84.08056	257.12386	39.08125	24.00367	52.53394	2.54E-08	2.93E-06	5.98E-07	7.84E-12	2.37E-11	1.87E-11	9.53E-15	2.3E-13	1.27E-14	2.52303E-13	3.178E-11	2.9286E-06	5.98422E-07	8.02297E-12	3.85103E-14	4.00452E-12	6.40723E-15
400	571350.6	4178399	0.55, 41783	1.74135	1.70512	1.85867	224.12525	73.73672	326.22415	31.06226	18.34101	44.13622	2.12E-08	3.72E-06	5.03E-07	6.53E-12	1.97E-11	1.56E-11	7.93E-15	1.92E-13	1.06E-14	2.10154E-13	2.647E-11	3.7156E-06	5.02756E-07	6.68267E-12	3.20768E-14	3.33553E-12	5.33686E-15
401	571390.6	4178399	0.55, 41783	1.43215	1.37481	1.54866	207.21833	64.01827	312.56807	26.21992	15.02288	39.07101	1.76E-08	3.56E-06	4.45E-07	5.44E-12	1.64E-11	1.3E-11	6.61E-15	1.6E-13	8.81E-15	1.75101E-13	2.205E-11	3.56E-06	4.45055E-07	5.56802E-12	2.67265E-14	2.77917E-12	4.44668E-15
402	571430.6	4178399	0.55, 41783	1.19016	1.12906	1.29293	179.9524	59.14274	244.73255	22.49405	12.88734	30.59157	1.47E-08	2.79E-06	3.48E-07	4.54E-12	1.37E-11	1.08E-11	5.52E-15	1.33E-13	7.36E-15	1.46186E-13	1.841E-11	2.7874E-06	3.48472E-07	4.64855E-12	2.23131E-14	2.32024E-12	3.71239E-15
403	571470.6	4178399	0.55, 41783	0.9966	0.93995	1.08271	146.8642	55.47011	170.50633	18.35802	11.23121	21.31329	1.23E-08	1.94E-06	2.43E-07	3.81E-12	1.15E-11	9.08E-12	4.62E-15	1.12E-13	6.16E-15	1.22417E-13	1.542E-11	1.9421E-06	2.42791E-07	3.89273E-12	1.86851E-14	1.94299E-12	3.10878E-15
404	571510.6	4178399	0.55, 41783	0.8441	0.79417	0.91453	113.63796	52.27286	111.23462	14.20474	9.85599	18.36688	1.04E-08	1.27E-06	2.09E-07	3.21E-12	9.71E-12	7.67E-12	3.9E-15	9.43E-14	5.21E-15	1.03402E-13	1.302E-11	1.267E-06	2.09221E-07	3.28806E-12	1.57827E-14	1.64118E-12	2.62588E-15
405	571550.6	4178399	0.55, 41783	0.71988	0.67749	0.77601	84.04695	49.45688	81.90115	12.59546	8.65245	16.41022	8.84E-09	9.33E-07	1.87E-07	2.73E-12	8.24E-12	6.51E-12	3.31E-15	8E-14	4.42E-15	8.774E-14	1.105E-11	9.3292E-07	1.86932E-07	2.79004E-12	1.33922E-14	1.3926E-12	2.22816E-15
406	571590.6	4178399	0.55, 41783	0.61846	0.58359	0.66441	61.25343	46.95039	82.40366	11.31778	7.65227	14.12983	7.57E-09	9.39E-07	1.61E-07	2.34E-12	7.05E-12	5.57E-12	2.84E-15	6.85E-14	3.78E-15	7.5122E-14	9.461E-12	9.3863E-07	1.60957E-07	2.3888E-12	1.14662E-14	1.19233E-12	1.90772E-15
407	570310.6	4178439	0.55, 41784	0.11265	0.08111	0.10949	78.47962	27.91467	88.7071	13.07994	3.48933	14.78452	1.25E-09	1.01E-06	1.68E-07	3.85E-13	1.16E-12	9.18E-13	4.67E-16	1.13E-14	6.23E-16	1.23792E-14	1.559E-12	1.0104E-06	1.68419E-07	3.93645E-13	1.88949E-15	1.96481E-13	3.14369E-16
408	570350.6	4178439	0.55, 41784	0.12585	0.09139	0.12175	84.54471	29.62734	96.42477	14.09078	3.70342	16.0708	1.39E-09	1.1E-06	1.83E-07	4.28E-13	1.29E-12	1.02E-12	5.2E-16	1.26E-14	6.93E-16	1.37654E-14	1.734E-12	1.0983E-06	1.83071E-07	4.37724E-13	2.10107E-15	2.18482E-13	3.49571E-16
409	570390.6	4178439	0.55, 41784	0.14252	0.10489	0.13706	91.50908	31.67143	105.54781	15.25151	4.06451	17.5913	1.56E-09	1.2E-06	2E-07	4.82E-13	1.45E-12	1.15E-12	5.85E-16	1.41E-14	7.8E-16	1.54964E-14	1.952E-12	1.2022E-06	2.00392E-07	4.92769E-13	2.36529E-15	2.45957E-13	3.93531E-16
410	570430.6	4178439	0.55, 41784	0.16313	0.12204	0.15568	99.54775	33.93845	116.15512	16.59129	4.47421	19.35919	1.77E-09	1.32E-06	2.21E-07	5.47E-13	1.65E-12	1.31E-12	6.65E-16	1.61E-14	8.86E-16	1.76017E-14	2.217E-12	1.323E-06	2.2053E-07	5.59716E-13	2.68664E-15	2.79372E-13	4.46995E-16
411	570470.6	4178439	0.55, 41784	0.18858	0.14267	0.1783	108.92524	36.54882	128.38607	18.15421	4.93599	21.39768	2.03E-09	1.46E-06	2.44E-07	6.27E-13	1.89E-12	1.49E-12	7.61E-16	1.84E-14	1.01E-15	2.01593E-14	2.539E-12	1.4623E-06	2.43751E-07	6.41044E-13	3.07701E-15	3.19966E-13	5.11945E-16
412	570510.6	4178439	0.55, 41784	0.22167	0.16966	0.20722	120.34611	39.98702	143.34164	20.05769	5.68986	23.89027	2.36E-09	1.63E-06	2.72E-07	7.28E-13	2.2E-12	1.74E-12	8.85E-16	2.14E-14	1.18E-15	2.34292E-14	2.951E-12	1.6326E-06	2.72145E-07	7.45024E-13	3.57612E-15	3.71865E-13	5.94985E-16
413	570550.6	4178439	0.55, 41784	0.2658	0.20594	0.24496	134.27176	44.24032	161.13607	22.37863	6.83821	26.85601	2.79E-09	1.84E-06	3.06E-07	8.61E-13	2.6E-12	2.05E-12	1.05E-15	2.53E-14	1.39E-15	2.76965E-14	3.488E-12	1.8353E-06	3.05928E-07	8.80717E-13	4.22744E-15	4.39594E-13	7.03351E-16
414	570590.6	4178439	0.55, 41784	0.3272	0.25654	0.29583	151.91315	49.32778	182.29969	25.31886	8.30482	30.38328	3.37E-09	2.08E-06	3.46E-07	1.04E-12	3.14E-12	2.48E-12	1.26E-15	3.05E-14	1.68E-15	3.34483E-14	4.212E-12	2.0764E-06	3.46109E-07	1.06362E-12	5.10538E-15	5.30887E-13	8.49419E-16
415	570630.6	4178439	0.55, 41784	0.41735	0.33056	0.3671	175.42083	55.6235	213.97884	29.2368	10.21264	34.63299	4.18E-09	2.44E-06	3.95E-07	1.29E-12	3.9E-12	3.08E-12	1.57E-15	3.79E-14	2.09E-15	4.15069E-14	5.227E-12	2.4372E-06	3.9452E-07	1.31987E-12	6.3354E-15	6.58792E-13	1.05407E-15
416	570670.6	4178439	0.55, 41784	0.56024	0.44648	0.47194	208.37177	63.80907	268.23017	34.72863	12.75328	41.38807	5.38E-09	3.06E-06	4.71E-07	1.66E-12	5.01E-12	3.96E-12	2.01E-15	4.87E-14	2.69E-15	5.33615E-14	6.72E-12	3.0551E-06	4.7147E-07	1.69684E-12	8.14483E-15	8.46947E-13	1.35511E-15
417	570710.6	4178439	0.55, 41784	0.81434	0.64609	0.63688	258.28683	75.2647	339.8113	43.04781	16.40047	56.02404	7.26E-09	3.87E-06	6.38E-07	2.24E-12	6.76E-12	5.34E-12	2.72E-15	6.57E-14	3.62E-15	7.20124E-14	9.069E-12	3.8703E-06	6.38182E-07	2.28992E-12	1.09916E-14	1.14297E-12	1.82875E-15
418	570750.6	4178439	0.55, 41784	1.35572	1.03003	0.91926	343.9155	93.10334	457.76974	57.16949	22.25077	76.29496	1.05E-08	5.21E-06	8.69E-07	3.23E-12	9.76E-12	7.71E-12	3.92E-15	9.48E-14	5.23E-15	1.03945E-13	1.309E-11	5.2138E-06	8.69088E-07	3.30533E-12	1.58656E-14	1.64979E-12	2.63967E-15
419	570790.6	4178439	0.55, 41784	3.18264	2.0617	1.49283	571.47263	129.70009	738.76969	95.66015	38.79176	110.20608	1.7E-08	8.41E-06	1.26E-06	5.25E-12	1.58E-11	1.25E-11	6.37E-15	1.54E-13	8.5E-15	1.68815E-13	2.126E-11	8.4143E-06	1.25542E-06	5.36812E-12	2.5767E-14	2.6794E-12	4.28704E-15
420	571070.6	4178439	0.55, 41784	4.74443	12.25677	5.33303	251.71558	235.3671	557.08631	48.15254	87.29167	78.37734	6.08E-08	6.35E-06	8.93E-07	1.88E-11	5.66E-11	4.47E-11	2.28E-14	5.5E-13	3.04E-14	6.03194E-13	7.597E-11	6.3453E-06	8.92776E-07	1.91809E-11	9.20683E-14	9.5738E-12	1.53181E-14
421	571110.6	4178439	0.55, 41784	3.89854	10.39914	4.234	292.37938	213.76959	730.76501	54.55193	96.69541	95.26587	4.83E-08	8.32E-06	1.09E-06	1.49E-11	4.5E-11	3.55E-11	1.81E-14	4.37E-13	2.41E-14	4.78907E-13	6.031E-11	8.3232E-06	1.08514E-06	1.52287E-11	7.30978E-14	7.60114E-12	1.21618E-14
422	571150.6	4178439	0.55, 41784	3.24566	6.14355	3.38328	299.25996	151.74182	537.6659	53.26943	58.88405	104.89405	3.85E-08	6.12E-06	1.19E-06	1.19E-11	3.59E-11	2.84E-11	1.44E-14	3.49E-13	1.93E-14	3.82622E-13	4.819E-11	6.1239E-06	1.19479E-06	1.2167E-11	5.84014E-14	6.07292E-12	9.71667E-15
423	571190.6	4178439	0.55, 41784	2.68652	4.20662	2.81661	319.22111	114.25705	663.08885	45.60302	42.68486	97.00809	3.21E-08	7.55E-06	1.1E-06	9.9E-12	2.99E-11	2.36E-11	1.2E-14	2.9E-13	1.6E-14	3.18511E-13	4.011E-11	7.5522E-06	1.10495E-06	1.01283E-11	4.86158E-14	5.05536E-12	8.08857E-15
424	571230.6	4178439	0.55, 41784	2.2851	3.10379	2.38014	355.31137	114.374	594.35462	48.25343	33.87475	78.4876	2.71E-08	6.77E-06	8.94E-07	8.37E-12	2.53E-11	2E-11	1.02E-14	2.45E-13	1.35E-14	2.69141E-13	3.39E-11	6.7694E-06	8.94032E-07	8.55839E-12	4.10803E-14	4.27176E-12	6.83482E-15
425	571270.6	4178439	0.55, 41784	1.91581	2.39067	2.08735	281.61312	92.35093	457.23387	43.32371	28.45229	65.31912	2.38E-08	5.21E-06	7.44E-07	7.34E-12	2.22E-11	1.75E-11	8.91E-15	2.15E-13	1.19E-14	2.36023E-13	2.972E-11	5.2077E-06	7.44043E-07	7.50529E-12	3.60254E-14	3.74613E-12	5.9938E-15
426	571310.6	4178439	0.55, 41784	1.62017	1.88774	1.73959	249.98498	75.512	443.82502	38.72011	23.46838	65.04063	1.98E-08	5.05E-06	7.41E-07	6.12E-12	1.85E-11	1.46E-11	7.43E-15	1.79E-13	9.9E-15	1.96698E-13	2.477E-11	5.0549E-06	7.40857E-07	6.25479E-12	3.0023E-14	3.12196E-12	4.99514E-15
427	571350.6	4178439	0.55, 41784	1.36969	1.52492	1.4607	207.90528	71.02603	289.54604	31.99215	18.96422	43.80183	1.66E-08	3.3E-06	4.99E-07	5.13E-12	1.55E-11	1.22E-11	6.24E-15	1.51E-13	8.31E-15	1.65162E-13	2.08E-11	3.2979E-06	4.98951E-07	5.25197E-12	2.52095E-14	2.62143E-12	4.19428E-15
428	571390.6	4178439	0.55, 41784	1.16602	1.25794	1.25769	137.82846	66.02867	157.99714	21.56098	15.29437	27.7078	1.43E-08	1.8E-06	3.16E-07	4.42E-12	1.33E-11	1.05E-11	5.37E-15	1.3E-13	7.16E-15	1.42206E-13	1.791E-11	1.7996E-06	3.15626E-07	4.522E-12	2.17056E-14	2.25707E-12	3.61132E-15
429	571430.6	4178439	0.55, 41784	1.00225	1.05165	1.08939	150.81052	60.59063	188.78292	19.07395	12.70811	25.02004	1.24E-08	2.15E-06	2.85E-07	3.83E-12	1.16E-11	9.13E-12	4.65E-15	1.12E-13	6.2E-15	1.23175E-13	1.551E-11	2.1502E-06	2.85008E-07	3.91684E-12	1.88008E-14	1.95502E-12	3.12803E-15
430	571470.6	4178439	0.55, 41784	0.86528	0.88825	0.94207	153.64691	54.59461	206.40776	19.20586	10.6849	25.80097	1.07E-08	2.35E-06	2.94E-07	3.31E-12	1E-11	7.9E-12	4.02E-15	9.71E-14	5.36E-15	1.06518E-13	1.341E-11	2.3509E-06	2.93903E-07	3.38714E-12	1.62583E-14	1.69063E-12	2.70501E-15
431	571510.6	4178439	0.55, 41784	0.75493	0.76151	0.82291	144.52703	49.13224	189.90829	18.06588	9.74189	23.73854	9.37E-09	2.16E-06	2.7E-07	2.89E-12	8.73E-12	6.9E-12	3.51E-15	8.48E-14	4.68E-15	9.3044E-14	1.172E-11	2.163E-06	2.7041E-07	2.9587E-12	1.42018E-14	1.47678E-12	2.36285E-15
432	571550.6	4178439	0.55, 41784	0.65913	0.65716	0.71761	127.58758	46.59598	156.05984	15.94845	8.8858	19.50748	8.17E-09	1.78E-06	2.22E-07	2.52E-12	7.62E-12	6.02E-12	3.06E-15	7.4E-14	4.08E-15	8.11378E-14	1.022E-11	1.7775E-06	2.22217E-07	2.5801E-12	1.23845E-14	1.28781E-12	2.06049E-15
433	571590.6	4178439	0.55, 41784	0.57626	0.57045	0.62441	106.82976	44.35137	118.44703	13.35372	8.08079	14.80588	7.11E-09	1.35E-06	1.69E-07	2.19E-12	6.63E-12	5.24E-12	2.67E-15	6.44E-14	3.55E-15	7.06E-14	8.891E-12	1.3491E-06	1.68663E-07	2.245E-12	1.0776E-14	1.12055E-12	1.79288E-15
434	570310.6	4178479	0.55, 41784	0.1113	0.08183	0.10709	74.58423	29.47815	84.27127	11.80727	4.00274	12.56763	1.22E-09	9.6E-07	1.43E-07	3.76E-13	1.14E-12	8.98E-13	4.57E-16	1.1E-14	6.09E-16	1.21079E-14	1.525E-12	9.5986E-07	1.43167E-07	3.85018E-13	1.84809E-15	1.92175E-13	3.0748E-16
435	570350.6	4178479	0.55, 41784	0.12561	0.09388	0.12027	80.0812	31.76761	91.05741	12.83362	4.33491	13.82729	1.37E-09	1.04E-06	1.58E-07	4.23E-13	1.28E-12	1.01E-12	5.13E-16	1.24E-14	6.85E-16	1.35981E-14	1.713E-12	1.0372E-06	1.57517E-07	4.32406E-13	2.07555E-15	2.15828E-13	3.45324E-16
436	570390.6	4178479	0.55, 41784	0.14146	0.10678	0.13471	86.10528	34.01158	98.86723	14.01299	4.67053	15.28263	1.53E-09	1.13E-06	1.74E-07	4.74E-13	1.43E-12	1.13E-12	5.75E-16	1.39E-14	7.67E-16	1.52308E-14	1.918E-12	1.1261E-06	1.74095E-07	4.84324E-13	2.32475E-15	2.41741E-13	3.86786E-16
437	570430.6	4178479	0.55, 41784	0.16075	0.12266	0.15218	93.00088	36.36689	108.11431	15.32204	5.02469	17.00047	1.73E-09	1.23E-06	1.94E-07	5.35E-13	1.62E-12	1.28E-12	6.5E-16	1.57E-14	8.66E-16	1.72061E-14	2.167E-12	1.2314E-06	1.93663E-07	5.47135E-13	2.62625E-15	2.73093E-13	4.36948E-16
438	570470.6	4178479	0.55, 41784	0.18644	0.14379	0.17515	101.96042	39.51551	120.09702	16.93263	5.48718	19.18544	2E-09	1.37E-06	2.19E-07	6.16E-13	1.86E-12	1.47E-12	7.48E-16	1.81E-14	9.97E-16	1.98033E-14	2.494E-12	1.3679E-06	2.18552E-07	6.29722E-13	3.02267E-15	3.14315E-13	5.02903E-16
439	570510.6	4178479	0.55, 41784	0.22079	0.17209	0.20548	113.44919	43.50567	135.70428	18.9082	6.17272	22.02345	2.34E-09	1.55E-06	2.51E-07	7.22E-13	2.18E-12	1.72E-12	8.77E-16	2.12E-14	1.17E-15	2.32326E-14	2.926E-12	1.5457E-06	2.5088E-07	7.38772E-13	3.54611E-15	3.68745E-13	5.89992E-16
440	570550.6	4178479	0.55, 41784	0.2667	0.21004	0.24533	127.7059	48.20733	155.63974	21.28432	7.34053	25.62853	2.79E-09	1.77E-06	2.92E-07	8.62E-13	2.6E-12	2.06E-12	1.05E-15	2.53E-14	1.4E-15	2.77384E-14	3.493E-12	1.7727E-06	2.91945E-07	8.82051E-13	4.23384E-15	4.4026E-13	7.04416E-16
441	570590.6	4178479	0.55, 41784	0.32931	0.26248	0.29831	144.67878	53.44745	182.17951	24.11313	8.81975	30.24215	3.4E-09	2.08E-06	3.44E-07	1.05E-12	3.17E-12	2.5E-12	1.27E-15	3.08E-14	1.7E-15	3.37288E-14	4.248E-12	2.075E-06	3.44498E-07	1.07254E-12	5.14819E-15	5.35339E-13	8.56543E-16
442	570630.6	4178479	0.55, 41784	0.42133	0.33962	0.37314	165.95931	60.05375	219.0797	27.65989	10.77683	36.51328	4.25E-09	2.5E-06	4.16E-07	1.31E-12	3.96E-12	3.13E-12	1.59E-15	3.85E-14	2.12E-15	4.21899E-14	5.313E-12	2.4953E-06	4.15929E-07	1.34159E-12	6.43965E-15	6.69632E-13	1.07141E-15
443	570670.6	4178479	0.55, 41784	0.56746	0.46145	0.48445	193.36004	69.0612	272.47405	32.22667	13.5092	45.41234	5.52E-09	3.1E-06	5.17E-07	1.7E-12	5.14E-12	4.06E-12	2.07E-15	5E-14	2.76E-15	5.47761E-14	6.898E-12	3.1034E-06	5.17294E-07	1.74182E-12	8.36074E-15	8.69398E-13	1.39104E-15
444	570710.6	4178479	0.55, 41784	0.83023	0.67528	0.66195	236.53606	81.84268	352.22256	39.07222	17.68943	58.70376	7.54E-09	4.01E-06	6.69E-07	2.33E-12	7.03E-12	5.55E-12	2.83E-15	6.83E-14	3.77E-15	7.48472E-14	9.426E-12	4.0117E-06	6.68688E-07	2.38006E-12	1.14243E-14	1.18796E-12	1.90074E-15
445	570750.6	4178479	0.55, 41784	1.42426	1.12918	0.97629	342.03514	102.90165	482.1747	49.67165	25.1054	80.36245	1.11E-08	5.49E-06	9.15E-07	3.43E-12	1.04E-11	8.19E-12	4.17E-15	1.01E-13	5.56E-15	1.10394E-13	1.39E-11	5.4918E-06	9.15388E-07	3.51042E-12	1.685E-14	1.75216E-12	2.80346E-15
446	570790.6	4178479	0.55, 41784	3.63047	2.75084	1.62936	596.75244	187.47347	722.34167	107.7468	51.23422	120.39028	1.86E-08	8.23E-06	1.37E-06	5.73E-12	1.73E-11	1.37E-11	6.96E-15	1.68E-13	9.28E-15	1.84268E-13	2.321E-11	8.2273E-06	1.37144E-06	5.85953E-12	2.81258E-14	2.92468E-12	4.67949E-15
447	571030.6	4178479	0.55, 41784	9.40071	15.68167	11.18665	333.68631	267.08575	756.18793	81.11776	110.69164	178.64972	1.27E-07	8.61E-06	2.03E-06	3.93E-11	1.19E-10	9.38E-11	4.78E-14	1.15E-12	6.37E-14	1.26499E-12	1.593E-10	8.6129E-06	2.03486E-06	4.02252E-11	1.93081E-13	2.00777E-11	3.21243E-14
448	571070.6	4178479	0.55, 41784	5.59712	9.0131	6.53916	216.22006	204.77885	522.16381	54.58514	76.29745	101.00005	7.45E-08	5.95E-06	1.15E-06	2.3E-11	6.94E-11	5.48E-11	2.79E-14	6.74E-13	3.72E-14	7.39445E-13	9.313E-11	5.9475E-06	1.15044E-06	2.35135E-11	1.12865E-13	1.17364E-11	1.87782E-14
449	571110.6	4178479	0.55, 41784	3.86033	5.8724	4.45436	232.77263	158.88759	526.3096	40.87392	60.11848	68.10823	5.07E-08	5.99E-06	7.76E-07	1.57E-11	4.73E-11	3.73E-11	1.9E-14	4.59E-13	2.54E-14	5.03689E-13	6.343E-11	5.9946E-06	7.758E-07	1.60168E-11	7.68805E-14	7.99449E-12	1.27912E-14
450	571150.6	4178479	0.55, 41784	2.87873	4.17215	3.24074	243.47288	131.88403	510.79766	36.94401	47.80365	68.59206	3.69E-08	5.82E-06	7.81E-07	1.14E-11	3.44E-11	2.72E-11	1.38E-14	3.34E-13	1.84E-14	3.66453E-13	4.615E-11	5.8178E-06	7.81298E-07	1.16528E-11	5.59335E-14	5.81629E-12	9.30607E-15
451	571190.6	4178479	0.55, 41784	2.25924	3.11768	2.54212	272.99859	103.34976	495.79992	40.61499	35.56429	82.63332	2.9E-08	5.65E-06	9.41E-07	8.94E-12	2.7E-11	2.13E-11	1.09E-14	2.62E-13	1.45E-14	2.87451E-13	3.62E-11	5.647E-06	9.41223E-07	9.14063E-12	4.3875E-14	4.56238E-12	7.29981E-15
452	571230.6	4178479	0.55, 41784	1.86428	2.43731	2.04705	228.60917	88.43023	428.91859	34.9281	28.65964	53.61482	2.33E-08	4.89E-06	6.11E-07	7.2E-12	2.17E-11	1.72E-11	8.74E-15	2.11E-13	1.17E-14	2.31469E-13	2.915E-11	4.8852E-06	6.10719E-07	7.36046E-12	3.53302E-14	3.67384E-12	5.87815E-15
453	571270.6	4178479	0.55, 41784	1.58233	1.95726	1.72288	275.18297	89.4878	451.79055	39.56066	24.38596	62.99097	1.96E-08	5.15E-06	7.18E-07	6.06E-12	1.83E-11	1.44E-11	7.35E-15	1.78E-13	9.81E-15	1.94811E-13	2.453E-11	5.1457E-06	7.17516E-07	6.19478E-12	2.9735E-14	3.09201E-12	4.94722E-15
454	571310.6	4178479	0.55, 41784	1.35793	1.6065	1.5101	222.77943	77.47813	328.49847	32.82803	21.05024	46.46168	1.72E-08	3.74E-06	5.29E-07	5.31E-12	1.6E-11	1.27E-11	6.45E-15	1.56E-13	8.6E-15	1.70748E-13	2.15E-11	3.7415E-06	5.29246E-07	5.42961E-12	2.60621E-14	2.71009E-12	4.33615E-15
455	571350.6	4178479	0.55, 41784	1.1642	1.33076	1.27594	210.30644	64.61424	297.95893	30.9494	18.13628	42.55235	1.45E-08	3.39E-06	4.85E-07	4.49E-12	1.35E-11	1.07E-11	5.45E-15	1.32E-13	7.26E-15	1.44271E-13	1.817E-11	3.3936E-06	4.84718E-07	4.58766E-12	2.20208E-14	2.28985E-12	3.66376E-15
456	571390.6	4178479	0.55, 41784	1.001	1.11694	1.07653	187.8278	60.73144	278.37154	27.7002	15.35336	39.86006	1.23E-08	3.17E-06	4.54E-07	3.78E-12	1.14E-11	9.03E-12	4.6E-15	1.11E-13	6.13E-15	1.21723E-13	1.533E-11	3.1706E-06	4.54045E-07	3.87067E-12	1.85792E-14	1.93198E-12	3.09116E-15
457	571430.6	4178479	0.55, 41784	0.8626	0.94616	0.9271	141.00765	57.76687	153.44465	20.99683	12.7525	23.01436	1.06E-08	1.75E-06	2.62E-07	3.26E-12	9.84E-12	7.77E-12	3.96E-15	9.56E-14	5.28E-15	1.04827E-13	1.32E-11	1.7478E-06	2.62172E-07	3.33338E-12	1.60002E-14	1.6638E-12	2.66208E-15
458	571470.6	4178479	0.55, 41784	0.75511	0.81334	0.81471	85.41876	54.87579	110.14274	13.60469	11.10539	17.11986	9.28E-09	1.25E-06	1.95E-07	2.86E-12	8.65E-12	6.83E-12	3.48E-15	8.4E-14	4.64E-15	9.21185E-14	1.16E-11	1.2546E-06	1.95017E-07	2.92927E-12	1.40605E-14	1.46209E-12	2.33935E-15
459	571510.6	4178479	0.55, 41784	0.666	0.70453	0.71826	104.54177	51.61661	121.24791	13.06772	9.4895	15.99878	8.18E-09	1.38E-06	1.82E-07	2.52E-12	7.62E-12	6.02E-12	3.07E-15	7.41E-14	4.09E-15	8.12127E-14	1.023E-11	1.381E-06	1.82248E-07	2.58248E-12	1.23959E-14	1.289E-12	2.06239E-15
460	571550.6	4178479	0.55, 41784	0.58993	0.61436	0.63446	114.23468	47.78612	141.81512	14.27934	8.47335	17.72689	7.23E-09	1.62E-06	2.02E-07	2.23E-12	6.73E-12	5.32E-12	2.71E-15	6.54E-14	3.61E-15	7.17373E-14	9.035E-12	1.6153E-06	2.01933E-07	2.28117E-12	1.09496E-14	1.1386E-12	1.82177E-15
461	571590.6	4178479	0.55, 41784	0.5248	0.5396	0.56365	114.71837	43.31659	143.69009	14.3398	7.89274	17.96126	6.42E-09	1.64E-06	2.05E-07	1.98E-12	5.98E-12	4.73E-12	2.41E-15	5.81E-14	3.21E-15	6.37308E-14	8.026E-12	1.6366E-06	2.04602E-07	2.02657E-12	9.72753E-15	1.01153E-12	1.61844E-15
462	570310.6	4178519	0.55, 41785	0.10968	0.08323	0.10459	75.92481	30.95134	85.20389	12.65413	4.31611	14.20065	1.19E-09	9.7E-07	1.62E-07	3.68E-13	1.11E-12	8.77E-13	4.46E-16	1.08E-14	5.95E-16	1.18253E-14	1.489E-12	9.7048E-07	1.61768E-07	3.76033E-13	1.80496E-15	1.8769E-13	3.00304E-16
463	570350.6	4178519	0.55, 41785	0.12253	0.09413	0.11632	80.98331	32.52203	91.70345	13.49722	4.56123	15.28391	1.33E-09	1.04E-06	1.74E-07	4.09E-13	1.23E-12	9.75E-13	4.97E-16	1.2E-14	6.62E-16	1.31516E-14	1.656E-12	1.0445E-06	1.74108E-07	4.18208E-13	2.0074E-15	2.08741E-13	3.33985E-16
464	570390.6	4178519	0.55, 41785	0.13706	0.10653	0.12954	86.4192	34.09518	99.00991	14.4032	4.78567	16.50165	1.48E-09	1.13E-06	1.88E-07	4.55E-13	1.37E-12	1.09E-12	5.53E-16	1.34E-14	7.37E-16	1.46464E-14	1.845E-12	1.1277E-06	1.87979E-07	4.65739E-13	2.23555E-15	2.32465E-13	3.71945E-16
465	570430.6	4178519	0.55, 41785	0.15657	0.12308	0.14711	93.48729	36.56809	108.68156	15.58121	5.11226	18.11359	1.68E-09	1.24E-06	2.06E-07	5.17E-13	1.56E-12	1.23E-12	6.28E-16	1.52E-14	8.37E-16	1.6633E-14	2.095E-12	1.2379E-06	2.06341E-07	5.28911E-13	2.53877E-15	2.63997E-13	4.22394E-16
466	570470.6	4178519	0.55, 41785	0.18113	0.14422	0.16907	101.65142	39.2669	120.52836	16.9419	5.47129	20.08806	1.93E-09	1.37E-06	2.29E-07	5.94E-13	1.79E-12	1.42E-12	7.22E-16	1.74E-14	9.62E-16	1.9116E-14	2.407E-12	1.3728E-06	2.28832E-07	6.07868E-13	2.91776E-15	3.03406E-13	4.8545E-16
467	570510.6	4178519	0.55, 41785	0.21556	0.17373	0.19928	112.42418	43.21366	137.68321	18.73736	6.23491	22.9472	2.27E-09	1.57E-06	2.61E-07	7.01E-13	2.12E-12	1.67E-12	8.51E-16	2.05E-14	1.13E-15	2.25318E-14	2.838E-12	1.5682E-06	2.614E-07	7.16487E-13	3.43914E-15	3.57622E-13	5.72195E-16
468	570550.6	4178519	0.55, 41785	0.26244	0.21401	0.23948	127.39838	48.06291	159.66591	20.89373	7.26318	26.61098	2.73E-09	1.82E-06	3.03E-07	8.42E-13	2.54E-12	2.01E-12	1.02E-15	2.47E-14	1.36E-15	2.70772E-14	3.41E-12	1.8186E-06	3.03133E-07	8.61026E-13	4.13293E-15	4.29766E-13	6.87625E-16
469	570590.6	4178519	0.55, 41785	0.32438	0.26815	0.29055	146.74921	52.55391	186.84388	23.05175	8.49659	31.14065	3.31E-09	2.13E-06	3.55E-07	1.02E-12	3.08E-12	2.44E-12	1.24E-15	3E-14	1.65E-15	3.28518E-14	4.137E-12	2.1281E-06	3.54727E-07	1.04465E-12	5.01433E-15	5.21419E-13	8.3427E-16
470	570630.6	4178519	0.55, 41785	0.41604	0.34788	0.36203	170.82398	60.03664	221.85088	25.41079	10.076	36.97515	4.12E-09	2.53E-06	4.21E-07	1.27E-12	3.84E-12	3.04E-12	1.55E-15	3.73E-14	2.06E-15	4.09343E-14	5.155E-12	2.5268E-06	4.21183E-07	1.30167E-12	6.248E-15	6.49703E-13	1.03952E-15
471	570670.6	4178519	0.55, 41785	0.56352	0.47347	0.46761	210.6175	71.54419	266.74609	27.95974	12.2085	44.45768	5.33E-09	3.04E-06	5.06E-07	1.64E-12	4.96E-12	3.92E-12	2E-15	4.82E-14	2.66E-15	5.28728E-14	6.659E-12	3.0382E-06	5.06408E-07	1.6813E-12	8.07024E-15	8.3919E-13	1.3427E-15
472	570710.6	4178519	0.55, 41785	0.82936	0.69158	0.6351	257.30872	94.91316	337.8148	32.16359	16.3308	53.60133	7.24E-09	3.85E-06	6.11E-07	2.23E-12	6.74E-12	5.32E-12	2.71E-15	6.55E-14	3.61E-15	7.18125E-14	9.044E-12	3.8477E-06	6.10556E-07	2.28356E-12	1.09611E-14	1.1398E-12	1.82368E-15
473	570750.6	4178519	0.55, 41785	1.36529	1.13262	0.93188	327.60111	130.96882	473.41526	45.80096	29.91109	62.68561	1.06E-08	5.39E-06	7.14E-07	3.28E-12	9.89E-12	7.81E-12	3.98E-15	9.61E-14	5.3E-15	1.05374E-13	1.327E-11	5.3921E-06	7.14058E-07	3.35078E-12	1.60837E-14	1.67248E-12	2.67597E-15
474	570790.6	4178519	0.55, 41785	2.09469	1.90095	1.39228	339.24086	174.34023	730.67406	59.4987	49.70987	91.33426	1.59E-08	8.32E-06	1.04E-06	4.89E-12	1.48E-11	1.17E-11	5.94E-15	1.44E-13	7.93E-15	1.57441E-13	1.983E-11	8.3221E-06	1.04038E-06	5.00644E-12	2.40309E-14	2.49888E-12	3.9982E-15
475	570990.6	4178519	0.55, 41785	30.9381	16.28557	11.79039	1645.60932	278.46944	1244.70182	444.29015	131.46412	279.7997	1.34E-07	1.42E-05	3.19E-06	4.15E-11	1.25E-10	9.89E-11	5.03E-14	1.22E-12	6.71E-14	1.33332E-12	1.679E-10	1.4177E-05	3.18798E-06	4.23981E-11	2.03511E-13	2.11622E-11	3.38596E-14
476	571030.6	4178519	0.55, 41785	10.39533	8.05295	7.62595	575.07494	188.36146	999.69988	130.51861	75.45666	173.23921	8.69E-08	1.14E-05	1.97E-06	2.68E-11	8.09E-11	6.39E-11	3.26E-14	7.86E-13	4.34E-14	8.62282E-13	1.086E-10	1.1386E-05	1.9734E-06	2.74196E-11	1.31614E-13	1.3686E-11	2.18976E-14
477	571070.6	4178519	0.55, 41785	5.62777	5.38206	5.21191	327.13066	151.27996	542.64793	61.45445	56.79768	91.26612	5.94E-08	6.18E-06	1.04E-06	1.83E-11	5.53E-11	4.37E-11	2.22E-14	5.37E-13	2.97E-14	5.89313E-13	7.422E-11	6.1806E-06	1.03961E-06	1.87395E-11	8.99498E-14	9.3535E-12	1.49656E-14
478	571110.6	4178519	0.55, 41785	3.70135	3.92679	3.70614	194.51307	130.68512	402.95521	41.68788	44.49195	69.09918	4.22E-08	4.59E-06	7.87E-07	1.3E-11	3.93E-11	3.11E-11	1.58E-14	3.82E-13	2.11E-14	4.19057E-13	5.278E-11	4.5896E-06	7.87088E-07	1.33256E-11	6.39627E-14	6.65121E-12	1.06419E-14
479	571150.6	4178519	0.55, 41785	2.69329	3.00723	2.77155	208.02281	103.35418	440.08145	30.40761	37.50867	55.01018	3.16E-08	5.01E-06	6.27E-07	9.74E-12	2.94E-11	2.32E-11	1.18E-14	2.86E-13	1.58E-14	3.13384E-13	3.947E-11	5.0124E-06	6.26596E-07	9.96527E-12	4.78333E-14	4.97398E-12	7.95837E-15
480	571190.6	4178519	0.55, 41785	2.08526	2.38411	2.19601	205.94825	100.14217	330.97092	32.90062	31.32752	44.74048	2.5E-08	3.77E-06	5.1E-07	7.72E-12	2.33E-11	1.84E-11	9.37E-15	2.26E-13	1.25E-14	2.48306E-13	3.127E-11	3.7697E-06	5.09644E-07	7.89587E-12	3.79002E-14	3.94108E-12	6.30573E-15
481	571230.6	4178519	0.55, 41785	1.66362	1.91731	1.76389	215.41751	83.66277	360.55042	30.77393	25.17962	52.13444	2.01E-08	4.11E-06	5.94E-07	6.2E-12	1.87E-11	1.48E-11	7.53E-15	1.82E-13	1E-14	1.99446E-13	2.512E-11	4.1065E-06	5.93846E-07	6.34216E-12	3.04424E-14	3.16558E-12	5.06492E-15
482	571270.6	4178519	0.55, 41785	1.38104	1.58176	1.44385	194.90891	74.63088	227.07234	31.16799	21.56574	34.54332	1.64E-08	2.59E-06	3.94E-07	5.08E-12	1.53E-11	1.21E-11	6.16E-15	1.49E-13	8.22E-15	1.63259E-13	2.056E-11	2.5864E-06	3.93505E-07	5.19146E-12	2.4919E-14	2.59122E-12	4.14595E-15
483	571310.6	4178519	0.55, 41785	1.18628	1.33473	1.24995	227.7435	74.01926	353.91479	34.0231	18.88588	51.12416	1.42E-08	4.03E-06	5.82E-07	4.39E-12	1.33E-11	1.05E-11	5.34E-15	1.29E-13	7.11E-15	1.41333E-13	1.78E-11	4.031E-06	5.8235E-07	4.49424E-12	2.15724E-14	2.24322E-12	3.58915E-15
484	571350.6	4178519	0.55, 41785	1.02794	1.1349	1.10387	186.21806	66.32591	255.87469	28.09378	16.3212	37.6065	1.26E-08	2.91E-06	4.28E-07	3.88E-12	1.17E-11	9.26E-12	4.71E-15	1.14E-13	6.28E-15	1.24815E-13	1.572E-11	2.9144E-06	4.28381E-07	3.96897E-12	1.9051E-14	1.98104E-12	3.16966E-15
485	571390.6	4178519	0.55, 41785	0.88898	0.96986	0.94947	165.64096	58.31983	230.86073	23.55305	14.40747	29.95608	1.08E-08	2.63E-06	3.41E-07	3.34E-12	1.01E-11	7.96E-12	4.05E-15	9.79E-14	5.4E-15	1.07356E-13	1.352E-11	2.6294E-06	3.41238E-07	3.41382E-12	1.63863E-14	1.70394E-12	2.72631E-15
486	571430.6	4178519	0.55, 41785	0.7696	0.83467	0.8102	166.81635	54.79876	235.11797	23.72844	12.50769	32.6638	9.23E-09	2.68E-06	3.72E-07	2.85E-12	8.6E-12	6.79E-12	3.46E-15	8.35E-14	4.61E-15	9.16094E-14	1.154E-11	2.6779E-06	3.72076E-07	2.91308E-12	1.39828E-14	1.45401E-12	2.32642E-15
487	571470.6	4178519	0.55, 41785	0.67066	0.72494	0.7032	138.40145	51.97552	171.46902	19.82816	10.73341	24.30543	8.01E-09	1.95E-06	2.77E-07	2.47E-12	7.46E-12	5.9E-12	3E-15	7.25E-14	4E-15	7.95109E-14	1.001E-11	1.953E-06	2.76872E-07	2.52836E-12	1.21361E-14	1.26199E-12	2.01918E-15
488	571510.6	4178519	0.55, 41785	0.58987	0.63439	0.62004	93.94363	49.66848	89.41667	13.736	9.50533	13.29785	7.06E-09	1.02E-06	1.51E-07	2.18E-12	6.58E-12	5.2E-12	2.65E-15	6.39E-14	3.53E-15	7.01078E-14	8.829E-12	1.0185E-06	1.5149E-07	2.22935E-12	1.07009E-14	1.11274E-12	1.78039E-15
489	571550.6	4178519	0.55, 41785	0.52422	0.55926	0.55249	64.7066	47.53612	82.72316	9.81761	8.44297	11.85775	6.29E-09	9.42E-07	1.35E-07	1.94E-12	5.86E-12	4.63E-12	2.36E-15	5.7E-14	3.14E-15	6.24698E-14	7.867E-12	9.4227E-07	1.35076E-07	1.98647E-12	9.53507E-15	9.91512E-13	1.58642E-15
490	571590.6	4178519	0.55, 41785	0.47148	0.49721	0.49682	75.39988	45.27823	83.60413	9.54319	7.49343	11.2302	5.66E-09	9.52E-07	1.28E-07	1.75E-12	5.27E-12	4.17E-12	2.12E-15	5.12E-14	2.83E-15	5.61751E-14	7.075E-12	9.523E-07	1.27929E-07	1.78631E-12	8.57427E-15	8.91603E-13	1.42656E-15
491	570310.6	4178559	0.55, 41785	0.10731	0.08405	0.10201	76.80272	30.54078	89.48595	12.80045	4.19275	14.91432	1.16E-09	1.02E-06	1.7E-07	3.59E-13	1.08E-12	8.55E-13	4.35E-16	1.05E-14	5.81E-16	1.15337E-14	1.453E-12	1.0192E-06	1.69896E-07	3.6676E-13	1.76045E-15	1.83062E-13	2.92899E-16
492	570350.6	4178559	0.55, 41785	0.11907	0.09438	0.11262	82.9813	31.5625	94.82328	13.39224	4.31782	15.80388	1.28E-09	1.08E-06	1.8E-07	3.96E-13	1.2E-12	9.44E-13	4.81E-16	1.16E-14	6.41E-16	1.27334E-14	1.604E-12	1.08E-06	1.80029E-07	4.04908E-13	1.94356E-15	2.02102E-13	3.23364E-16
493	570390.6	4178559	0.55, 41785	0.1339	0.10748	0.12591	90.55746	32.83588	101.05325	14.07263	4.47793	16.84221	1.43E-09	1.15E-06	1.92E-07	4.43E-13	1.34E-12	1.06E-12	5.37E-16	1.3E-14	7.17E-16	1.42361E-14	1.793E-12	1.151E-06	1.91857E-07	4.52692E-13	2.17292E-15	2.25953E-13	3.61525E-16
494	570430.6	4178559	0.55, 41785	0.15297	0.12443	0.14282	99.07784	34.42492	111.25467	14.88754	4.68196	18.0897	1.63E-09	1.27E-06	2.06E-07	5.02E-13	1.52E-12	1.2E-12	6.1E-16	1.47E-14	8.13E-16	1.61481E-14	2.034E-12	1.2672E-06	2.06067E-07	5.13492E-13	2.46476E-15	2.563E-13	4.1008E-16
495	570470.6	4178559	0.55, 41785	0.17711	0.14611	0.16369	108.3811	37.13833	125.77833	15.68816	5.10948	19.33096	1.86E-09	1.43E-06	2.2E-07	5.75E-13	1.74E-12	1.37E-12	6.99E-16	1.69E-14	9.32E-16	1.85079E-14	2.331E-12	1.4326E-06	2.20206E-07	5.88531E-13	2.82495E-15	2.93754E-13	4.70007E-16
496	570510.6	4178559	0.55, 41785	0.21022	0.1758	0.19176	119.02071	41.74654	144.28309	16.67371	5.7123	20.76073	2.18E-09	1.64E-06	2.36E-07	6.74E-13	2.04E-12	1.61E-12	8.19E-16	1.98E-14	1.09E-15	2.16818E-14	2.731E-12	1.6434E-06	2.36492E-07	6.89458E-13	3.3094E-15	3.4413E-13	5.50609E-16
497	570550.6	4178559	0.55, 41785	0.25686	0.21737	0.22998	138.81712	48.97119	169.0217	17.78034	6.5378	22.20322	2.62E-09	1.93E-06	2.53E-07	8.08E-13	2.44E-12	1.93E-12	9.82E-16	2.37E-14	1.31E-15	2.60034E-14	3.275E-12	1.9251E-06	2.52924E-07	8.26881E-13	3.96903E-15	4.12723E-13	6.60356E-16
498	570590.6	4178559	0.55, 41785	0.31921	0.27311	0.27901	158.95656	55.69599	196.40207	19.86957	7.90259	24.55026	3.18E-09	2.24E-06	2.8E-07	9.81E-13	2.96E-12	2.34E-12	1.19E-15	2.88E-14	1.59E-15	3.15474E-14	3.973E-12	2.237E-06	2.79661E-07	1.00317E-12	4.81524E-15	5.00717E-13	8.01147E-16
499	570630.6	4178559	0.55, 41785	0.41072	0.35398	0.34795	180.38278	65.18573	228.48167	22.54785	9.64997	28.56021	3.96E-09	2.6E-06	3.25E-07	1.22E-12	3.69E-12	2.92E-12	1.49E-15	3.59E-14	1.98E-15	3.93429E-14	4.955E-12	2.6024E-06	3.25337E-07	1.25106E-12	6.00509E-15	6.24444E-13	9.99111E-16
500	570670.6	4178559	0.55, 41785	0.55178	0.47716	0.45068	218.05495	85.23197	290.43238	27.25687	14.02323	36.30405	5.13E-09	3.31E-06	4.14E-07	1.58E-12	4.78E-12	3.78E-12	1.92E-15	4.65E-14	2.57E-15	5.09592E-14	6.418E-12	3.308E-06	4.13545E-07	1.62045E-12	7.77814E-15	8.08817E-13	1.29411E-15
501	570710.6	4178559	0.55, 41785	0.78132	0.6809	0.62169	244.71244	105.12049	355.26836	32.595	21.74638	44.40855	7.08E-09	4.05E-06	5.06E-07	2.19E-12	6.6E-12	5.21E-12	2.65E-15	6.41E-14	3.54E-15	7.02963E-14	8.853E-12	4.0465E-06	5.05863E-07	2.23534E-12	1.07297E-14	1.11573E-12	1.78517E-15
502	570750.6	4178559	0.55, 41785	1.13763	1.02831	0.92752	276.33124	124.7524	514.56755	39.47589	32.46528	64.32094	1.06E-08	5.86E-06	7.33E-07	3.26E-12	9.85E-12	7.78E-12	3.96E-15	9.56E-14	5.28E-15	1.04878E-13	1.321E-11	5.8608E-06	7.32663E-07	3.33499E-12	1.6008E-14	1.6646E-12	2.66336E-15
503	570790.6	4178559	0.55, 41785	1.48115	1.46435	1.34156	285.306	157.20995	776.24295	43.19026	42.97795	97.64972	1.53E-08	8.84E-06	1.11E-06	4.72E-12	1.42E-11	1.12E-11	5.73E-15	1.38E-13	7.64E-15	1.51693E-13	1.91E-11	8.841E-06	1.11225E-06	4.82368E-12	2.31537E-14	2.40765E-12	3.85224E-15
504	570830.6	4178559	0.55, 41785	2.67811	2.99292	2.3948	342.02881	178.80856	871.65336	66.23843	64.34565	121.28657	2.73E-08	9.93E-06	1.38E-06	8.42E-12	2.54E-11	2.01E-11	1.02E-14	2.47E-13	1.36E-14	2.70796E-13	3.41E-11	9.9277E-06	1.38152E-06	8.61102E-12	4.13329E-14	4.29804E-12	6.87686E-15
505	570950.6	4178559	0.55, 41785	26.55575	12.00196	5.05287	679.01352	318.67052	1487.06516	280.37281	116.3834	245.48668	5.76E-08	1.69E-05	2.8E-06	1.78E-11	5.37E-11	4.24E-11	2.16E-14	5.21E-13	2.88E-14	5.71586E-13	7.199E-11	1.6937E-05	2.79668E-06	1.81758E-11	8.72439E-14	9.07213E-12	1.45154E-14
506	570990.6	4178559	0.55, 41785	10.52141	6.96087	4.44153	639.29991	205.65266	1371.63359	133.52138	75.6432	174.17097	5.06E-08	1.56E-05	1.98E-06	1.56E-11	4.72E-11	3.72E-11	1.9E-14	4.58E-13	2.53E-14	5.0229E-13	6.326E-11	1.5622E-05	1.98402E-06	1.59723E-11	7.6667E-14	7.97228E-12	1.27556E-14
507	571030.6	4178559	0.55, 41785	6.12086	4.69941	3.63304	562.31532	143.87555	907.33173	97.52112	53.65332	135.00156	4.14E-08	1.03E-05	1.54E-06	1.28E-11	3.86E-11	3.05E-11	1.55E-14	3.75E-13	2.07E-14	4.10823E-13	5.174E-11	1.0334E-05	1.53781E-06	1.30637E-11	6.27059E-14	6.52053E-12	1.04328E-14
508	571070.6	4178559	0.55, 41785	4.00501	3.46908	2.98955	291.75499	122.4909	364.39166	69.10596	41.80504	75.82917	3.41E-08	4.15E-06	8.64E-07	1.05E-11	3.17E-11	2.51E-11	1.28E-14	3.08E-13	1.7E-14	3.38043E-13	4.257E-11	4.1504E-06	8.6382E-07	1.07494E-11	5.15971E-14	5.36537E-12	8.5846E-15
509	571110.6	4178559	0.55, 41785	2.89394	2.70355	2.4438	288.47324	105.99812	437.78623	48.03981	36.46899	59.71453	2.78E-08	4.99E-06	6.8E-07	8.59E-12	2.59E-11	2.05E-11	1.04E-14	2.52E-13	1.39E-14	2.76328E-13	3.48E-11	4.9863E-06	6.80228E-07	8.78692E-12	4.21772E-14	4.38583E-12	7.01733E-15
510	571150.6	4178559	0.55, 41785	2.21115	2.17534	2.01472	240.56187	97.79178	377.92847	31.90722	30.3701	47.66793	2.3E-08	4.3E-06	5.43E-07	7.08E-12	2.14E-11	1.69E-11	8.6E-15	2.08E-13	1.15E-14	2.27808E-13	2.869E-11	4.3045E-06	5.42981E-07	7.24406E-12	3.47715E-14	3.61574E-12	5.78518E-15
511	571190.6	4178559	0.55, 41785	1.76303	1.79806	1.6955	177.14345	83.63267	264.27885	24.55859	26.34777	34.50528	1.93E-08	3.01E-06	3.93E-07	5.96E-12	1.8E-11	1.42E-11	7.24E-15	1.75E-13	9.65E-15	1.91712E-13	2.414E-11	3.0101E-06	3.93051E-07	6.09624E-12	2.9262E-14	3.04283E-12	4.86853E-15
512	571230.6	4178559	0.55, 41785	1.44054	1.50665	1.43503	192.87207	80.98435	306.26039	29.09943	22.26218	51.0434	1.63E-08	3.49E-06	5.81E-07	5.04E-12	1.52E-11	1.2E-11	6.13E-15	1.48E-13	8.17E-15	1.6226E-13	2.043E-11	3.4882E-06	5.81415E-07	5.15969E-12	2.47665E-14	2.57537E-12	4.12059E-15
513	571270.6	4178559	0.55, 41785	1.19178	1.27042	1.20125	167.21575	71.42327	283.3883	22.32638	19.23301	35.42354	1.37E-08	3.23E-06	4.04E-07	4.22E-12	1.28E-11	1.01E-11	5.13E-15	1.24E-13	6.84E-15	1.35826E-13	1.711E-11	3.2277E-06	4.03502E-07	4.31914E-12	2.07319E-14	2.15582E-12	3.44931E-15

514	571310.6	4178559	0.55, 41785	1.01245	1.08581	1.02025	169.23295	65.49002	155.67948	26.6418	16.91234	25.18935	1.16E-08	1.77E-06	2.87E-07	3.59E-12	1.08E-11	8.55E-12	4.36E-15	1.05E-13	5.81E-15	1.15361E-13	1.453E-11	1.7732E-06	2.8696E-07	3.66835E-12	1.76081E-14	1.83099E-12	2.92959E-15
515	571350.6	4178559	0.55, 41785	0.8838	0.94242	0.90608	194.09519	63.64749	285.0024	28.90026	14.99354	40.61241	1.03E-08	3.25E-06	4.63E-07	3.19E-12	9.62E-12	7.6E-12	3.87E-15	9.34E-14	5.16E-15	1.02451E-13	1.29E-11	3.2461E-06	4.62618E-07	3.25783E-12	1.56376E-14	1.62609E-12	2.60174E-15
516	571390.6	4178559	0.55, 41785	0.78025	0.82372	0.8159	158.10154	57.98385	206.74246	23.81897	12.89204	30.22211	9.29E-09	2.35E-06	3.44E-07	2.87E-12	8.66E-12	6.84E-12	3.48E-15	8.41E-14	4.64E-15	9.22534E-14	1.162E-11	2.3548E-06	3.44269E-07	2.93356E-12	1.40811E-14	1.46423E-12	2.34277E-15
517	571430.6	4178559	0.55, 41785	0.68512	0.72115	0.71821	137.68904	52.2569	180.06144	18.93914	11.62385	25.68604	8.18E-09	2.05E-06	2.93E-07	2.52E-12	7.62E-12	6.02E-12	3.07E-15	7.41E-14	4.09E-15	8.12075E-14	1.023E-11	2.0509E-06	2.92593E-07	2.58231E-12	1.23951E-14	1.28891E-12	2.06226E-15
518	571470.6	4178559	0.55, 41785	0.60049	0.63425	0.62389	143.56241	49.93475	187.32246	19.90478	10.29716	25.60594	7.11E-09	2.13E-06	2.92E-07	2.19E-12	6.62E-12	5.23E-12	2.66E-15	6.43E-14	3.55E-15	7.05431E-14	8.884E-12	2.1336E-06	2.91684E-07	2.24319E-12	1.07673E-14	1.11965E-12	1.79144E-15
519	571510.6	4178559	0.55, 41785	0.52736	0.56045	0.5447	131.02036	47.72087	167.66109	18.26486	8.99798	23.11602	6.21E-09	1.91E-06	2.63E-07	1.91E-12	5.78E-12	4.57E-12	2.33E-15	5.62E-14	3.1E-15	6.15893E-14	7.757E-12	1.9096E-06	2.63321E-07	1.95847E-12	9.40067E-15	9.77536E-13	1.56406E-15
520	571550.6	4178559	0.55, 41785	0.46874	0.49944	0.48529	99.50634	45.73793	109.0385	14.05158	8.03042	15.4257	5.53E-09	1.24E-06	1.76E-07	1.71E-12	5.15E-12	4.07E-12	2.07E-15	5E-14	2.76E-15	5.48718E-14	6.911E-12	1.242E-06	1.75724E-07	1.74486E-12	8.37534E-15	8.70917E-13	1.39347E-15
521	571590.6	4178559	0.55, 41785	0.42104	0.44786	0.43792	63.39282	43.98321	60.02596	9.17705	7.35207	9.24249	4.99E-09	6.84E-07	1.05E-07	1.54E-12	4.65E-12	3.67E-12	1.87E-15	4.52E-14	2.49E-15	4.95156E-14	6.236E-12	6.8377E-07	1.0529E-07	1.57454E-12	7.5578E-15	7.85904E-13	1.25745E-15
522	570310.6	4178599	0.55, 41785	0.10507	0.08466	0.09914	83.25071	28.48032	95.05484	11.19876	3.62883	12.56574	1.13E-09	1.08E-06	1.43E-07	3.48E-13	1.05E-12	8.31E-13	4.23E-16	1.02E-14	5.64E-16	1.12093E-14	1.412E-12	1.0827E-06	1.43144E-07	3.56444E-13	1.71093E-15	1.77913E-13	2.8466E-16
523	570350.6	4178599	0.55, 41785	0.11716	0.09561	0.10985	88.57329	30.33455	103.53599	11.44069	3.79182	12.942	1.25E-09	1.18E-06	1.47E-07	3.86E-13	1.17E-12	9.21E-13	4.69E-16	1.13E-14	6.25E-16	1.24203E-14	1.564E-12	1.1793E-06	1.4743E-07	3.94952E-13	1.89577E-15	1.97133E-13	3.15413E-16
524	570390.6	4178599	0.55, 41785	0.13131	0.10865	0.12235	93.2639	32.45644	112.44406	11.65799	4.05706	14.05551	1.39E-09	1.28E-06	1.6E-07	4.3E-13	1.3E-12	1.03E-12	5.22E-16	1.26E-14	6.96E-16	1.38337E-14	1.742E-12	1.2807E-06	1.60112E-07	4.39896E-13	2.1115E-15	2.19566E-13	3.51306E-16
525	570430.6	4178599	0.55, 41785	0.15022	0.126	0.13878	103.53542	36.02365	122.12845	12.94193	4.50296	15.26606	1.58E-09	1.39E-06	1.74E-07	4.88E-13	1.47E-12	1.16E-12	5.92E-16	1.43E-14	7.9E-16	1.56914E-14	1.976E-12	1.391E-06	1.73903E-07	4.98971E-13	2.39506E-15	2.49052E-13	3.98484E-16
526	570470.6	4178599	0.55, 41785	0.17421	0.14819	0.15942	115.63183	39.91557	131.63773	14.45398	5.34922	16.45472	1.82E-09	1.5E-06	1.87E-07	5.6E-13	1.69E-12	1.34E-12	6.8E-16	1.64E-14	9.07E-16	1.80253E-14	2.27E-12	1.4993E-06	1.87445E-07	5.73184E-13	2.75128E-15	2.86094E-13	4.57751E-16
527	570510.6	4178599	0.55, 41785	0.20799	0.17912	0.18803	128.15759	44.54205	154.67263	16.0197	6.36274	19.33408	2.14E-09	1.76E-06	2.2E-07	6.61E-13	2E-12	1.58E-12	8.03E-16	1.94E-14	1.07E-15	2.12602E-14	2.678E-12	1.7617E-06	2.20242E-07	6.76053E-13	3.24505E-15	3.3744E-13	5.39903E-16
528	570550.6	4178599	0.55, 41785	0.25382	0.22088	0.22625	141.74172	51.90419	182.47104	17.71771	7.41488	22.80888	2.58E-09	2.08E-06	2.6E-07	7.95E-13	2.4E-12	1.9E-12	9.66E-16	2.33E-14	1.29E-15	2.55819E-14	3.222E-12	2.0783E-06	2.59822E-07	8.13476E-13	3.90469E-15	4.06032E-13	6.49651E-16
529	570590.6	4178599	0.55, 41785	0.31442	0.27626	0.27638	161.8077	62.94071	207.9054	20.22596	8.27119	25.98817	3.15E-09	2.37E-06	2.96E-07	9.72E-13	2.93E-12	2.32E-12	1.18E-15	2.85E-14	1.57E-15	3.12502E-14	3.936E-12	2.368E-06	2.96038E-07	9.93724E-13	4.76987E-15	4.95999E-13	7.93599E-16
530	570630.6	4178599	0.55, 41785	0.39904	0.35395	0.34775	187.04764	77.01967	233.41259	23.38095	12.20463	29.17657	3.96E-09	2.66E-06	3.32E-07	1.22E-12	3.69E-12	2.92E-12	1.48E-15	3.59E-14	1.98E-15	3.93202E-14	4.952E-12	2.6586E-06	3.3236E-07	1.25034E-12	6.00163E-15	6.24085E-13	9.98536E-16
531	570670.6	4178599	0.55, 41785	0.52025	0.46779	0.4567	203.91154	89.67976	314.96286	27.18561	17.16092	39.37036	5.2E-09	3.59E-06	4.48E-07	1.61E-12	4.85E-12	3.83E-12	1.95E-15	4.71E-14	2.6E-15	5.16393E-14	6.503E-12	3.5874E-06	4.48467E-07	1.64207E-12	7.88195E-15	8.19611E-13	1.31138E-15
532	570710.6	4178599	0.55, 41785	0.68748	0.63563	0.62617	226.5911	101.22552	383.25212	32.37016	22.387	47.90652	7.13E-09	4.37E-06	5.46E-07	2.2E-12	6.65E-12	5.25E-12	2.67E-15	6.46E-14	3.56E-15	7.08011E-14	8.917E-12	4.3651E-06	5.457E-07	2.2514E-12	1.08067E-14	1.12375E-12	1.79799E-15
533	570750.6	4178599	0.55, 41785	0.91976	0.89022	0.88415	243.41497	114.05895	499.75889	34.77357	31.00996	69.4997	1.01E-08	5.69E-06	7.92E-07	3.11E-12	9.38E-12	7.41E-12	3.77E-15	9.12E-14	5.03E-15	9.99706E-14	1.259E-11	5.6921E-06	7.91628E-07	3.17896E-12	1.5259E-14	1.58672E-12	2.53875E-15
534	570790.6	4178599	0.55, 41785	1.20615	1.22781	1.16033	261.32328	130.44037	537.17009	39.31654	39.06207	73.65107	1.32E-08	6.12E-06	8.39E-07	4.08E-12	1.23E-11	9.73E-12	4.95E-15	1.2E-13	6.6E-15	1.312E-13	1.652E-11	6.1182E-06	8.38921E-07	4.17201E-12	2.00257E-14	2.08238E-12	3.33182E-15
535	570830.6	4178599	0.55, 41785	1.86035	2.06593	1.53512	307.79075	158.37727	606.96091	57.33573	51.17396	80.52216	1.75E-08	6.91E-06	9.17E-07	5.4E-12	1.63E-11	1.29E-11	6.55E-15	1.58E-13	8.74E-15	1.73591E-13	2.186E-11	6.9131E-06	9.17231E-07	5.52E-12	2.6496E-14	2.75521E-12	4.40834E-15
536	570870.6	4178599	0.55, 41785	2.81953	3.8452	1.88016	429.66876	238.19724	679.18896	77.96533	87.47681	90.64703	2.14E-08	7.74E-06	1.03E-06	6.61E-12	2E-11	1.58E-11	8.03E-15	1.94E-13	1.07E-14	2.12646E-13	2.678E-11	7.736E-06	1.03261E-06	6.76192E-12	3.24572E-14	3.37509E-12	5.40015E-15
537	570910.6	4178599	0.55, 41785	4.21414	6.38342	2.32175	555.65098	273.48442	945.27353	124.98504	103.73159	124.24769	2.65E-08	1.08E-05	1.42E-06	8.17E-12	2.47E-11	1.95E-11	9.92E-15	2.4E-13	1.32E-14	2.62638E-13	3.308E-11	1.0766E-05	1.41542E-06	8.35161E-12	4.00877E-14	4.16855E-12	6.66968E-15
538	570950.6	4178599	0.55, 41785	4.59898	4.54538	2.28746	563.80012	195.03038	769.06119	96.52509	58.5202	125.1466	2.61E-08	8.76E-06	1.43E-06	8.04E-12	2.43E-11	1.92E-11	9.77E-15	2.36E-13	1.3E-14	2.58712E-13	3.258E-11	8.7594E-06	1.42557E-06	8.22676E-12	3.94884E-14	4.10624E-12	6.56998E-15
539	570990.6	4178599	0.55, 41785	3.82228	3.4158	2.10211	387.45867	157.86758	722.29473	74.93195	45.58999	97.36969	2.4E-08	8.23E-06	1.11E-06	7.39E-12	2.23E-11	1.76E-11	8.97E-15	2.17E-13	1.2E-14	2.37726E-13	2.994E-11	8.2266E-06	1.10916E-06	7.55944E-12	3.62853E-14	3.77316E-12	6.03705E-15
540	571030.6	4178599	0.55, 41785	3.02247	2.69987	1.99871	442.17309	124.03841	776.22539	67.82636	38.72372	97.59907	2.28E-08	8.84E-06	1.11E-06	7.03E-12	2.12E-11	1.68E-11	8.53E-15	2.06E-13	1.14E-14	2.26016E-13	2.846E-11	8.8408E-06	1.11175E-06	7.18705E-12	3.44979E-14	3.58729E-12	5.73966E-15
541	571070.6	4178599	0.55, 41785	2.43201	2.20804	1.81695	323.32852	105.96293	523.5768	49.87717	32.54487	75.45431	2.07E-08	5.96E-06	8.59E-07	6.39E-12	1.93E-11	1.52E-11	7.76E-15	1.87E-13	1.03E-14	2.05454E-13	2.587E-11	5.9633E-06	8.59491E-07	6.53322E-12	3.13595E-14	3.26094E-12	5.2175E-15
542	571110.6	4178599	0.55, 41785	1.9361	1.83698	1.53551	285.52756	89.63178	395.42144	42.26506	28.59229	57.87538	1.75E-08	4.5E-06	6.59E-07	5.4E-12	1.63E-11	1.29E-11	6.55E-15	1.58E-13	8.74E-15	1.73629E-13	2.187E-11	4.5037E-06	6.59264E-07	5.52121E-12	2.65018E-14	2.75581E-12	4.4093E-15
543	571150.6	4178599	0.55, 41785	1.58315	1.55537	1.34493	182.41041	88.91432	301.39134	29.75311	25.20352	37.67392	1.53E-08	3.43E-06	4.29E-07	4.73E-12	1.43E-11	1.13E-11	5.74E-15	1.39E-13	7.66E-15	1.52077E-13	1.915E-11	3.4328E-06	4.29154E-07	4.83588E-12	2.32122E-14	2.41374E-12	3.86199E-15
544	571190.6	4178599	0.55, 41785	1.33739	1.33597	1.20735	189.26194	77.8274	237.13522	24.55337	21.99349	31.52399	1.38E-08	2.7E-06	3.59E-07	4.24E-12	1.28E-11	1.01E-11	5.15E-15	1.24E-13	6.87E-15	1.36518E-13	1.719E-11	2.701E-06	3.59098E-07	4.34113E-12	2.08374E-14	2.1668E-12	3.46688E-15
545	571230.6	4178599	0.55, 41785	1.14183	1.1549	1.07779	177.02423	70.01737	247.02933	25.42204	18.83046	36.19826	1.23E-08	2.81E-06	4.12E-07	3.79E-12	1.14E-11	9.04E-12	4.6E-15	1.11E-13	6.13E-15	1.21867E-13	1.535E-11	2.8136E-06	4.12335E-07	3.87525E-12	1.86012E-14	1.93426E-12	3.09482E-15
546	571270.6	4178599	0.55, 41785	0.97959	1.00523	0.95378	160.46118	68.49541	236.51718	22.92303	16.81937	33.9008	1.09E-08	2.69E-06	3.86E-07	3.35E-12	1.01E-11	8E-12	4.07E-15	9.83E-14	5.43E-15	1.07845E-13	1.358E-11	2.6939E-06	3.86162E-07	3.42935E-12	1.64609E-14	1.7117E-12	2.73872E-15
547	571310.6	4178599	0.55, 41785	0.84011	0.87488	0.82502	131.92842	62.86665	193.55215	16.49105	15.16442	24.19402	9.4E-09	2.2E-06	2.76E-07	2.9E-12	8.76E-12	6.92E-12	3.52E-15	8.51E-14	4.7E-15	9.32859E-14	1.175E-11	2.2045E-06	2.75593E-07	2.96639E-12	1.42387E-14	1.48062E-12	2.36899E-15
548	571350.6	4178599	0.55, 41785	0.73896	0.77159	0.73066	149.85158	58.69155	153.82017	22.55392	13.49962	22.49489	8.32E-09	1.75E-06	2.56E-07	2.57E-12	7.76E-12	6.13E-12	3.12E-15	7.53E-14	4.16E-15	8.26164E-14	1.04E-11	1.752E-06	2.56261E-07	2.62711E-12	1.26101E-14	1.31128E-12	2.09804E-15
549	571390.6	4178599	0.55, 41785	0.661	0.68563	0.66671	168.50279	56.32456	235.09945	24.41155	12.10471	32.40344	7.6E-09	2.68E-06	3.69E-07	2.34E-12	7.08E-12	5.59E-12	2.85E-15	6.87E-14	3.79E-15	7.5385E-14	9.494E-12	2.6777E-06	3.69113E-07	2.39716E-12	1.15064E-14	1.1965E-12	1.9144E-15
550	571430.6	4178599	0.55, 41785	0.59511	0.61204	0.61151	136.17098	51.76249	171.68803	20.03651	10.61326	24.28892	6.97E-09	1.96E-06	2.77E-07	2.15E-12	6.49E-12	5.13E-12	2.61E-15	6.31E-14	3.48E-15	6.9143E-14	8.708E-12	1.9555E-06	2.76685E-07	2.19867E-12	1.05536E-14	1.09743E-12	1.75588E-15
551	571470.6	4178599	0.55, 41785	0.53051	0.54561	0.54811	117.9441	47.17442	154.11151	16.84916	9.40387	22.01593	6.24E-09	1.76E-06	2.51E-07	1.93E-12	5.82E-12	4.6E-12	2.34E-15	5.65E-14	3.12E-15	6.19743E-14	7.805E-12	1.7553E-06	2.50788E-07	1.97072E-12	9.45944E-15	9.83648E-13	1.57384E-15
552	571510.6	4178599	0.55, 41785	0.47218	0.48877	0.48576	120.07824	45.51387	145.12306	16.38718	8.49605	19.65912	5.53E-09	1.65E-06	2.24E-07	1.71E-12	5.16E-12	4.07E-12	2.07E-15	5.01E-14	2.76E-15	5.49246E-14	6.917E-12	1.6529E-06	2.23945E-07	1.74654E-12	8.38341E-15	8.71756E-13	1.39481E-15
553	571550.6	4178599	0.55, 41785	0.42043	0.43954	0.43052	119.99429	43.92883	151.34582	16.43506	7.56489	20.5622	4.9E-09	1.72E-06	2.34E-07	1.51E-12	4.57E-12	3.61E-12	1.84E-15	4.44E-14	2.45E-15	4.86788E-14	6.131E-12	1.7238E-06	2.3423E-07	1.54793E-12	7.43009E-15	7.72624E-13	1.2362E-15
554	571590.6	4178599	0.55, 41785	0.37632	0.39688	0.38556	100.33698	42.40478	116.86516	13.86046	7.00095	16.11187	4.39E-09	1.33E-06	1.84E-07	1.36E-12	4.09E-12	3.23E-12	1.65E-15	3.98E-14	2.19E-15	4.35953E-14	5.49E-12	1.3311E-06	1.83538E-07	1.38628E-12	6.65416E-15	6.91939E-13	1.1071E-15
555	570310.6	4178639	0.55, 41786	0.10356	0.08559	0.09711	83.92303	29.66661	96.15389	10.49038	3.70833	12.01924	1.11E-09	1.1E-06	1.37E-07	3.41E-13	1.03E-12	8.14E-13	4.15E-16	1E-14	5.53E-16	1.09799E-14	1.383E-12	1.0952E-06	1.36918E-07	3.49148E-13	1.67591E-15	1.74271E-13	2.78833E-16
556	570350.6	4178639	0.55, 41786	0.1161	0.09716	0.10841	92.63397	32.60646	103.61771	11.57925	4.08084	12.95221	1.23E-09	1.18E-06	1.48E-07	3.81E-13	1.15E-12	9.09E-13	4.63E-16	1.12E-14	6.17E-16	1.22576E-14	1.544E-12	1.1802E-06	1.47547E-07	3.89777E-13	1.87093E-15	1.9455E-13	3.1128E-16
557	570390.6	4178639	0.55, 41786	0.13068	0.11086	0.1215	100.54346	34.97331	116.66288	12.56793	4.70976	14.58286	1.38E-09	1.33E-06	1.66E-07	4.27E-13	1.29E-12	1.02E-12	5.19E-16	1.25E-14	6.92E-16	1.37377E-14	1.73E-12	1.3288E-06	1.66121E-07	4.36843E-13	2.09685E-15	2.18042E-13	3.48868E-16
558	570430.6	4178639	0.55, 41786	0.14929	0.12834	0.13819	107.49924	37.52244	130.89362	13.4374	5.36035	16.3617	1.57E-09	1.49E-06	1.86E-07	4.86E-13	1.47E-12	1.16E-12	5.9E-16	1.42E-14	7.87E-16	1.56248E-14	1.968E-12	1.4909E-06	1.86382E-07	4.96852E-13	2.38489E-15	2.47995E-13	3.96792E-16
559	570470.6	4178639	0.55, 41786	0.17443	0.15183	0.16061	116.62505	42.4162	145.19757	14.57813	6.05946	18.1497	1.83E-09	1.65E-06	2.07E-07	5.65E-13	1.7E-12	1.35E-12	6.86E-16	1.66E-14	9.14E-16	1.81599E-14	2.287E-12	1.6538E-06	2.06749E-07	5.77464E-13	2.77183E-15	2.88231E-13	4.61169E-16
560	570510.6	4178639	0.55, 41786	0.20768	0.18277	0.19013	127.00459	48.18252	156.06863	15.87557	6.71257	19.50858	2.17E-09	1.78E-06	2.22E-07	6.68E-13	2.02E-12	1.59E-12	8.12E-16	1.96E-14	1.08E-15	2.14977E-14	2.707E-12	1.7776E-06	2.22229E-07	6.83605E-13	3.2813E-15	3.41209E-13	5.45934E-16
561	570550.6	4178639	0.55, 41786	0.2504	0.22269	0.22841	148.76746	59.99627	172.72318	18.59593	7.58374	21.5904	2.6E-09	1.97E-06	2.46E-07	8.03E-13	2.42E-12	1.92E-12	9.75E-16	2.36E-14	1.3E-15	2.58261E-14	3.253E-12	1.9673E-06	2.45947E-07	8.21242E-13	3.94196E-15	4.09908E-13	6.55853E-16
562	570590.6	4178639	0.55, 41786	0.30521	0.27478	0.27907	162.38276	69.4472	222.88998	20.29784	10.74133	27.86125	3.18E-09	2.54E-06	3.17E-07	9.81E-13	2.96E-12	2.34E-12	1.19E-15	2.88E-14	1.59E-15	3.15542E-14	3.974E-12	2.5387E-06	3.1737E-07	1.00339E-12	4.81627E-15	5.00824E-13	8.01319E-16
563	570630.6	4178639	0.55, 41786	0.37839	0.34592	0.35098	177.15033	78.68271	266.26636	23.7109	14.16715	33.28329	4E-09	3.03E-06	3.79E-07	1.23E-12	3.73E-12	2.94E-12	1.5E-15	3.62E-14	2E-15	3.9685E-14	4.998E-12	3.0327E-06	3.79131E-07	1.26194E-12	6.05732E-15	6.29875E-13	1.0078E-15
564	570670.6	4178639	0.55, 41786	0.47152	0.44129	0.44999	194.04584	86.02037	313.51443	27.72083	17.24466	39.1893	5.13E-09	3.57E-06	4.46E-07	1.58E-12	4.78E-12	3.77E-12	1.92E-15	4.64E-14	2.56E-15	5.08799E-14	6.408E-12	3.5709E-06	4.46406E-07	1.61793E-12	7.76605E-15	8.07559E-13	1.29209E-15
565	570710.6	4178639	0.55, 41786	0.59058	0.57043	0.57865	207.44684	93.90742	372.29223	29.63526	21.88085	53.1846	6.59E-09	4.24E-06	6.06E-07	2.03E-12	6.14E-12	4.85E-12	2.47E-15	5.97E-14	3.29E-15	6.54274E-14	8.24E-12	4.2403E-06	6.05802E-07	2.08052E-12	9.9865E-15	1.03845E-12	1.66153E-15
566	570750.6	4178639	0.55, 41786	0.7421	0.74424	0.7234	219.27007	107.04803	379.32522	31.3243	27.05481	52.15596	8.24E-09	4.32E-06	5.94E-07	2.54E-12	7.68E-12	6.07E-12	3.09E-15	7.46E-14	4.12E-15	8.1795E-14	1.03E-11	4.3204E-06	5.94093E-07	2.60099E-12	1.24848E-14	1.29824E-12	2.07718E-15
567	570790.6	4178639	0.55, 41786	0.94425	0.97087	0.85006	237.37937	117.94026	412.19598	33.01145	30.70173	55.76703	9.68E-09	4.69E-06	6.35E-07	2.99E-12	9.02E-12	7.13E-12	3.63E-15	8.77E-14	4.84E-15	9.61194E-14	1.211E-11	4.6948E-06	6.35224E-07	3.05649E-12	1.46712E-14	1.52559E-12	2.44095E-15
568	570830.6	4178639	0.55, 41786	1.23329	1.33292	0.96284	295.25944	130.22679	473.13116	42.69044	39.99654	61.26658	1.1E-08	5.39E-06	6.98E-07	3.39E-12	1.02E-11	8.07E-12	4.11E-15	9.93E-14	5.48E-15	1.08879E-13	1.371E-11	5.3889E-06	6.97887E-07	3.46223E-12	1.66187E-14	1.72811E-12	2.76498E-15
569	570870.6	4178639	0.55, 41786	1.50989	1.73214	1.20169	317.24906	188.19869	615.93486	58.25942	53.82297	76.99186	1.37E-08	7.02E-06	8.77E-07	4.22E-12	1.28E-11	1.01E-11	5.13E-15	1.24E-13	6.84E-15	1.3589E-13	1.711E-11	7.0154E-06	8.77028E-07	4.32116E-12	2.07416E-14	2.15683E-12	3.45093E-15
570	570910.6	4178639	0.55, 41786	1.78259	1.99297	1.30656	332.58479	179.86407	638.76492	63.94152	52.98497	79.84561	1.49E-08	7.28E-06	9.1E-07	4.59E-12	1.39E-11	1.1E-11	5.58E-15	1.35E-13	7.44E-15	1.47753E-13	1.861E-11	7.2754E-06	9.09547E-07	4.69837E-12	2.25522E-14	2.34511E-12	3.75217E-15
571	570950.6	4178639	0.55, 41786	1.86524	1.94862	1.2876	326.77204	147.92341	425.10208	57.64661	41.4452	82.66786	1.47E-08	4.84E-06	9.42E-07	4.53E-12	1.37E-11	1.08E-11	5.5E-15	1.33E-13	7.33E-15	1.45608E-13	1.834E-11	4.8419E-06	9.41669E-07	4.63019E-12	2.22249E-14	2.31108E-12	3.69772E-15
572	570990.6	4178639	0.55, 41786	1.76592	1.78245	1.25006	311.73236	122.31574	573.48464	43.80696	33.57582	91.70195	1.42E-08	6.53E-06	1.04E-06	4.39E-12	1.33E-11	1.05E-11	5.34E-15	1.29E-13	7.12E-15	1.4136E-13	1.78E-11	6.5318E-06	1.04451E-06	4.49509E-12	2.15765E-14	2.24365E-12	3.58983E-15
573	571030.6	4178639	0.55, 41786	1.5977	1.58915	1.17717	263.38378	106.70114	334.97263	40.88022	26.80487	57.79917	1.34E-08	3.82E-06	6.58E-07	4.14E-12	1.25E-11	9.87E-12	5.03E-15	1.21E-13	6.7E-15	1.33115E-13	1.676E-11	3.8153E-06	6.58392E-07	4.2329E-12	2.03179E-14	2.11278E-12	3.38044E-15
574	571070.6	4178639	0.55, 41786	1.42629	1.41473	1.18099	323.91584	92.06505	516.79706	44.84431	24.93328	64.76299	1.35E-08	5.89E-06	7.38E-07	4.15E-12	1.25E-11	9.9E-12	5.04E-15	1.22E-13	6.72E-15	1.33541E-13	1.682E-11	5.8861E-06	7.37714E-07	4.24646E-12	2.0383E-14	2.11955E-12	3.39127E-15
575	571110.6	4178639	0.55, 41786	1.27265	1.25146	1.07066	231.49813	85.11921	353.08688	34.4516	22.95032	48.16161	1.22E-08	4.02E-06	5.49E-07	3.76E-12	1.14E-11	8.98E-12	4.57E-15	1.1E-13	6.09E-15	1.21065E-13	1.525E-11	4.0216E-06	5.48611E-07	3.84972E-12	1.84787E-14	1.92152E-12	3.07443E-15
576	571150.6	4178639	0.55, 41786	1.10067	1.1079	0.9372	235.36335	78.49538	345.02109	33.92291	20.75102	48.66179	1.07E-08	3.93E-06	5.54E-07	3.29E-12	9.95E-12	7.86E-12	4E-15	9.66E-14	5.33E-15	1.05974E-13	1.335E-11	3.9297E-06	5.54306E-07	3.36986E-12	1.61753E-14	1.682E-12	2.6912E-15
577	571190.6	4178639	0.55, 41786	0.96404	0.98605	0.85109	150.10185	73.9658	197.92558	22.00887	18.66835	28.93746	9.7E-09	2.25E-06	3.3E-07	2.99E-12	9.03E-12	7.14E-12	3.63E-15	8.78E-14	4.84E-15	9.62363E-14	1.212E-11	2.2544E-06	3.29632E-07	3.06021E-12	1.4689E-14	1.52745E-12	2.44392E-15
578	571230.6	4178639	0.55, 41786	0.85847	0.87787	0.78438	130.71922	65.23747	181.52397	20.98447	16.26127	28.21366	8.94E-09	2.07E-06	3.21E-07	2.76E-12	8.33E-12	6.58E-12	3.35E-15	8.09E-14	4.46E-15	8.86922E-14	1.117E-11	2.0676E-06	3.21386E-07	2.82032E-12	1.35375E-14	1.40771E-12	2.25234E-15
579	571270.6	4178639	0.55, 41786	0.76521	0.78388	0.72231	147.71702	61.52416	210.17535	22.46264	14.29709	35.02922	8.23E-09	2.39E-06	3.99E-07	2.54E-12	7.67E-12	6.06E-12	3.08E-15	7.45E-14	4.11E-15	8.1673E-14	1.029E-11	2.3939E-06	3.99012E-07	2.59711E-12	1.24661E-14	1.2963E-12	2.07408E-15
580	571310.6	4178639	0.55, 41786	0.67814	0.70066	0.65218	136.41117	59.8434	199.34802	17.34958	13.40052	24.9185	7.43E-09	2.27E-06	2.84E-07	2.29E-12	6.92E-12	5.47E-12	2.78E-15	6.72E-14	3.71E-15	7.3743E-14	9.287E-12	2.2705E-06	2.83846E-07	2.34495E-12	1.12558E-14	1.17044E-12	1.8727E-15
581	571350.6	4178639	0.55, 41786	0.60279	0.6273	0.58324	124.67819	56.4143	162.56927	15.58477	12.33978	20.32116	6.64E-09	1.85E-06	2.31E-07	2.05E-12	6.19E-12	4.89E-12	2.49E-15	6.01E-14	3.32E-15	6.59479E-14	8.305E-12	1.8517E-06	2.31483E-07	2.09707E-12	1.00659E-14	1.04672E-12	1.67474E-15
582	571390.6	4178639	0.55, 41786	0.54567	0.56561	0.53406	134.64293	53.30447	146.45838	19.4501	11.04071	20.47738	6.08E-09	1.67E-06	2.33E-07	1.88E-12	5.67E-12	4.48E-12	2.28E-15	5.51E-14	3.04E-15	6.03867E-14	7.605E-12	1.6682E-06	2.33274E-07	1.92023E-12	9.21712E-15	9.5845E-13	1.53352E-15
583	571430.6	4178639	0.55, 41786	0.50035	0.51255	0.49968	147.79016	50.85435	197.85336	20.77571	9.97795	26.64502	5.69E-09	2.25E-06	3.04E-07	1.76E-12	5.3E-12	4.19E-12	2.13E-15	5.15E-14	2.84E-15	5.64989E-14	7.115E-12	2.2535E-06	3.0352E-07	1.7966E-12	8.62369E-15	8.96742E-13	1.43479E-15
584	571470.6	4178639	0.55, 41786	0.45884	0.46513	0.46599	118.76181	47.03177	145.5886	16.94782	8.9119	19.9832	5.31E-09	1.66E-06	2.28E-07	1.64E-12	4.95E-12	3.91E-12	1.99E-15	4.8E-14	2.65E-15	5.26892E-14	6.636E-12	1.6583E-06	2.27638E-07	1.67546E-12	8.0422E-15	8.36275E-13	1.33804E-15
585	571510.6	4178639	0.55, 41786	0.41516	0.4204	0.42431	105.04191	43.02213	132.76114	15.00599	7.61313	18.96588	4.83E-09	1.51E-06	2.16E-07	1.49E-12	4.5E-12	3.56E-12	1.81E-15	4.38E-14	2.42E-15	4.79763E-14	6.042E-12	1.5121E-06	2.16046E-07	1.5256E-12	7.32286E-15	7.61473E-13	1.21836E-15
586	571550.6	4178639	0.55, 41786	0.37489	0.38245	0.3824	101.59712	41.64808	125.74417	13.25702	7.0054	15.71802	4.36E-09	1.43E-06	1.79E-07	1.34E-12	4.06E-12	3.21E-12	1.63E-15	3.94E-14	2.18E-15	4.32377E-14	5.445E-12	1.4322E-06	1.79051E-07	1.37491E-12	6.59958E-15	6.86263E-13	1.09802E-15
587	571590.6	4178639	0.55, 41786	0.33863	0.34937	0.34405	106.83121	40.48294	130.44071	14.45913	6.53587	17.55635	3.92E-09	1.49E-06	2E-07	1.21E-12	3.65E-12	2.88E-12	1.47E-15	3.55E-14	1.96E-15	3.89017E-14	4.899E-12	1.4857E-06	1.99991E-07	1.23703E-12	5.93775E-15	6.17441E-13	9.87906E-16
588	570310.6	4178679	0.55, 41786	0.10291	0.0869	0.09701	88.39628	30.98258	103.31105	11.04953	4.21243	12.91388	1.11E-09	1.18E-06	1.47E-07	3.41E-13	1.03E-12	8.13E-13	4.14E-16	1E-14	5.52E-16	1.09686E-14	1.381E-12	1.1767E-06	1.47108E-07	3.4879E-13	1.67419E-15	1.74092E-13	2.78547E-16
589	570350.6	4178679	0.55, 41786	0.11574	0.09888	0.10892	93.23081	33.32166	112.3331	11.65385	4.76024	14.04164	1.24E-09	1.28E-06	1.6E-07	3.83E-13	1.16E-12	9.13E-13	4.65E-16	1.12E-14	6.2E-16	1.23153E-14	1.551E-12	1.2795E-06	1.59954E-07	3.91612E-13	1.87974E-15	1.95466E-13	3.12746E-16
590	570390.6	4178679	0.55, 41786	0.13137	0.11361	0.12342	99.39798	36.831	119.21549	12.42475	5.26157	14.90194	1.41E-09	1.36E-06	1.7E-07	4.34E-13	1.31E-12	1.03E-12	5.27E-16	1.27E-14	7.02E-16	1.39548E-14	1.757E-12	1.3579E-06	1.69754E-07	4.43747E-13	2.12998E-15	2.21488E-13	3.54381E-16
591	570430.6	4178679	0.55, 41786	0.15074	0.13191	0.14135	105.99103	39.73692	126.723	13.24888	5.6767	15.84037	1.61E-09	1.44E-06	1.8E-07	4.97E-13	1.5E-12	1.19E-12	6.03E-16	1.46E-14	8.05E-16	1.59821E-14	2.013E-12	1.4434E-06	1.80444E-07	5.08214E-13	2.43943E-15	2.53666E-13	4.05866E-16
592	570470.6	4178679	0.55, 41786	0.17494	0.15487	0.16378	121.69462	47.75873	135.7735	15.21183	5.96984	16.97169	1.87E-09	1.55E-06	1.93E-07	5.76E-13	1.74E-12	1.37E-12	6.99E-16	1.69E-14	9.32E-16	1.85183E-14	2.332E-12	1.5465E-06	1.93335E-07	5.88862E-13	2.82654E-15	2.9392E-13	4.70271E-16
593	570510.6	4178679	0.55, 41786	0.2057	0.18414	0.19253	135.37794	56.46386	170.3708	16.92224	7.12807	21.29635	2.19E-09	1.94E-06	2.43E-07	6.77E-13	2.04E-12	1.61E-12	8.22E-16	1.99E-14	1.1E-15	2.17691E-14	2.742E-12	1.9405E-06	2.42593E-07	6.92232E-13	3.32272E-15	3.45515E-13	5.52825E-16
594	570550.6	4178679	0.55, 41786	0.2434	0.22078	0.22908	142.10791	62.60325	200.29273	17.76349	9.55219	25.03659	2.61E-09	2.28E-06	2.85E-07	8.05E-13	2.43E-12	1.92E-12	9.78E-16	2.36E-14	1.3E-15	2.59017E-14	3.262E-12	2.2813E-06	2.85193E-07	8.23648E-13	3.95351E-15	4.11109E-13	6.57774E-16
595	570590.6	4178679	0.55, 41786	0.29132	0.2684	0.27784	157.44437	70.02377	210.9671	21.20731	12.01595	26.37089	3.17E-09	2.4E-06	3E-07	9.77E-13	2.95E-12	2.33E-12	1.19E-15	2.86E-14	1.58E-15	3.1415E-14	3.956E-12	2.4029E-06	3.004E-07	9.98962E-13	4.79502E-15	4.98614E-13	7.97782E-16
596	570630.6	4178679	0.55, 41786	0.34871	0.32823	0.33909	170.78411	74.6949	263.98396	24.39773	14.09383	33.40233	3.86E-09	3.01E-06	3.8E-07	1.19E-12	3.6E-12	2.84E-12	1.45E-15	3.5E-14	1.93E-15	3.83404E-14	4.829E-12	3.0067E-06	3.80489E-07	1.21918E-12	5.85208E-15	6.08534E-13	9.73654E-16
597	570670.6	4178679	0.55, 41786	0.41782	0.40379	0.41108	181.29369	80.27499	295.25985	25.8991	15.99045	42.12286	4.68E-09	3.36E-06	4.8E-07	1.45E-12	4.36E-12	3.45E-12	1.75E-15	4.24E-14	2.34E-15	4.64804E-14	5.854E-12	3.3629E-06	4.7981E-07	1.47803E-12	7.09452E-15	7.3773E-13	1.18037E-15
598	570710.6	4178679	0.55, 41786	0.49876	0.49687	0.48618	185.88712	90.92914	287.65142	26.5553	19.21501	39.31628	5.54E-09	3.28E-06	4.48E-07	1.71E-12	5.16E-12	4.08E-12	2.08E-15	5.01E-14	2.77E-15	5.49724E-14	6.923E-12	3.2763E-06	4.47849E-07	1.74806E-12	8.3907E-15	8.72514E-13	1.39602E-15
599	570750.6	4178679	0.55, 41786	0.59336	0.60818	0.55751	195.07014	97.11431	330.72411	27.40212	20.89244	45.57898	6.35E-09	3.77E-06	5.19E-07	1.96E-12	5.92E-12	4.67E-12	2.38E-15	5.75E-14	3.17E-15	6.30388E-14	7.939E-12	3.7669E-06	5.19176E-07	2.00457E-12	9.62192E-15	1.00054E-12	1.60087E-15
600	570790.6	4178679	0.55, 41786	0.71288	0.74367	0.61675	232.56486	100.08812	327.08033	29.70634	25.09865	40.88504	7.03E-09	3.73E-06	4.66E-07	2.17E-12	6.55E-12	5.17E-12	2.63E-15	6.36E-14	3.51E-15	6.97394E-14	8.783E-12	3.7254E-06	4.65725E-07	2.21764E-12	1.06447E-14	1.10689E-12	1.77103E-15
601	570830.6	4178679	0.55, 41786	0.82835	0.8948	0.66469	250.25968	113.32691	367.70207	36.36599	33.16876	46.21837	7.57E-09	4.19E-06	5.26E-07	2.34E-12	7.06E-12	5.57E-12	2.84E-15	6.85E-14	3.78E-15	7.5163E-14	9.466E-12	4.1881E-06	5.26486E-07	2.3901E-12	1.14725E-14	1.19298E-12	1.90876E-15
602	570870.6	4178679	0.55, 41786	0.92801	1.04065	0.83445	269.45277	158.88347	492.55659	39.41339	35.15016	62.53118	9.51E-09	5.61E-06	7.12E-07	2.93E-12	8.86E-12	7E-12	3.56E-15	8.6E-14	4.75E-15	9.43568E-14	1.188E-11	5.6102E-06	7.12279E-07	3.00044E-12	1.44021E-14	1.49762E-12	2.39619E-15
603	570910.6	4178679	0.55, 41786	1.03394	1.13081	0.83809	259.70616	144.94226	471.11442	42.20689	35.5523	58.8893	9.55E-09	5.37E-06	6.71E-07	2.95E-12	8.9E-12	7.03E-12	3.58E-15	8.64E-14	4.77E-15	9.47711E-14	1.194E-11	5.3659E-06	6.70811E-07	3.01362E-12	1.44654E-14	1.50419E-12	2.40671E-15
604	570950.6	4178679	0.55, 41786	1.05684	1.13643	0.82319	242.80014	123.49716	418.67106	39.92153	30.15323	58.18912	9.38E-09	4.77E-06	6.63E-07	2.89E-12	8.74E-12	6.9E-12	3.51E-15	8.49E-14	4.69E-15	9.3087E-14	1.172E-11	4.7686E-06	6.6283E-07	2.96007E-12	1.42083E-14	1.47746E-12	2.36394E-15
605	570990.6	4178679	0.55, 41786	1.01802	1.09421	0.82722	255.86386	105.93706	407.98363	37.15781	26.85338	67.99727	9.42E-09	4.65E-06	7.75E-07	2.91E-12	8.78E-12	6.94E-12	3.53E-15	8.53E-14	4.71E-15	9.35413E-14	1.178E-11	4.6468E-06	7.74525E-07	2.97451E-12	1.42777E-14	1.48467E-12	2.37548E-15
606	571030.6	4178679	0.55, 41786	0.98373	1.03259	0.8073	224.24787	96.85684	406.17161	32.03518	21.71644	50.77145	9.2E-09	4.63E-06	5.78E-07	2.84E-12	8.57E-12	6.77E-12	3.45E-15	8.32E-14	4.6E-15	9.12877E-14	1.15E-11	4.6262E-06	5.78327E-07	2.90285E-12	1.39337E-14	1.44891E-12	2.31825E-15
607	571070.6	4178679	0.55, 41786	0.92088	0.95493	0.77727	234.21131	81.25508	306.97474	29.84103	18.74017	38.37184	8.86E-09	3.5E-06	4.37E-07	2.73E-12	8.25E-12	6.52E-12	3.32E-15	8.01E-14	4.42E-15	8.78908E-14	1.107E-11	3.4964E-06	4.37103E-07	2.79483E-12	1.34152E-14	1.39499E-12	2.23199E-15
608	571110.6	4178679	0.55, 41786	0.85296	0.87816	0.75636	249.82687	76.90023	376.11255	32.83771	18.41049	47.06858	8.62E-09	4.28E-06	5.36E-07	2.66E-12	8.03E-12	6.34E-12	3.23E-15	7.8E-14	4.31E-15	8.55249E-14	1.077E-11	4.2838E-06	5.36158E-07	2.7196E-12	1.30541E-14	1.35744E-12	2.1719E-15
609	571150.6	4178679	0.55, 41786	0.78449	0.80428	0.7091	184.12399	71.8753	265.86204	26.94504	17.68151	37.98029	8.08E-09	3.03E-06	4.33E-07	2.49E-12	7.53E-12	5.95E-12	3.03E-15	7.31E-14	4.04E-15	8.01804E-14	1.01E-11	3.0281E-06	4.32635E-07	2.54965E-12	1.22383E-14	1.27261E-12	2.03618E-15
610	571190.6	4178679	0.55, 41786	0.70872	0.73542	0.64227	192.12547	69.23049	267.93218	27.25383	16.04767	37.1098	7.32E-09	3.05E-06	4.23E-07	2.26E-12	6.82E-12	5.39E-12	2.74E-15	6.62E-14	3.66E-15	7.26239E-14	9.146E-12	3.0517E-06	4.22722E-07	2.30936E-12	1.10849E-14	1.15268E-12	1.84428E-15
611	571230.6	4178679	0.55, 41786	0.64141	0.6715	0.58509	152.95792	62.82263	210.7281	21.78847	14.44714	29.62503	6.67E-09	2.4E-06	3.37E-07	2.06E-12	6.21E-12	4.91E-12	2.5E-15	6.03E-14	3.33E-15	6.61583E-14	8.332E-12	2.4002E-06	3.37462E-07	2.10376E-12	1.00981E-14	1.05006E-12	1.68009E-15
612	571270.6	4178679	0.55, 41786	0.5854	0.61191	0.54631	124.65244	57.66905	171.62004	20.54509	12.75642	28.60334	6.22E-09	1.95E-06	3.26E-07	1.92E-12	5.8E-12	4.58E-12	2.33E-15	5.63E-14	3.11E-15	6.17729E-14	7.78E-12	1.9548E-06	3.25822E-07	1.96431E-12	9.42869E-15	9.8045E-13	1.56872E-15
613	571310.6	4178679	0.55, 41786	0.53447	0.5582	0.50849	125.80787	55.1913	171.33448	17.97255	11.70277	24.47635	5.79E-09	1.95E-06	2.79E-07	1.79E-12	5.4E-12	4.26E-12	2.17E-15	5.24E-14	2.89E-15	5.74961E-14	7.241E-12	1.9515E-06	2.78813E-07	1.82831E-12	8.77591E-15	9.1257E-13	1.46011E-15
614	571350.6	4178679	0.55, 41786	0.48504	0.50906	0.46427	111.39997	53.56601	157.83086	13.925	11.19981	19.72886	5.29E-09	1.8E-06	2.25E-07	1.63E-12	4.93E-12	3.89E-12	1.98E-15	4.79E-14	2.64E-15	5.2496E-14	6.611E-12	1.7977E-06	2.24732E-07	1.66932E-12	8.01272E-15	8.3321E-13	1.33314E-15
615	571390.6	4178679	0.55, 41786	0.44312	0.4655	0.42576	107.51836	51.27371	117.14548	13.43979	10.40254	14.64318	4.85E-09	1.33E-06	1.67E-07	1.5E-12	4.52E-12	3.57E-12	1.82E-15	4.39E-14	2.42E-15	4.81416E-14	6.063E-12	1.3343E-06	1.6681E-07	1.53085E-12	7.34808E-15	7.64096E-13	1.22255E-15
616	571430.6	4178679	0.55, 41786	0.41031	0.42684	0.39928	122.12368	48.88835	136.65658	17.23844	9.36082	18.91196	4.55E-09	1.56E-06	2.15E-07	1.4E-12	4.24E-12	3.35E-12	1.7E-15	4.12E-14	2.27E-15	4.51471E-14	5.686E-12	1.5565E-06	2.15439E-07	1.43563E-12	6.89103E-15	7.16569E-13	1.14651E-15
617	571470.6	4178679	0.55, 41786	0.38401	0.39267	0.38101	130.83453	46.56818	169.29762	18.03085	8.50414	22.62935	4.34E-09	1.93E-06	2.58E-07	1.34E-12	4.04E-12	3.19E-12	1.63E-15	3.93E-14	2.17E-15	4.30809E-14	5.426E-12	1.9283E-06	2.57778E-07	1.36993E-12	6.57565E-15	6.83774E-13	1.09404E-15
618	571510.6	4178679	0.55, 41786	0.35733	0.36026	0.36021	104.69184	43.30646	125.50481	14.57371	7.68103	16.95061	4.1E-09	1.43E-06	1.93E-07	1.27E-12	3.82E-12	3.02E-12	1.54E-15	3.71E-14	2.05E-15	4.07287E-14	5.129E-12	1.4295E-06	1.93093E-07	1.29513E-12	6.21662E-15	6.4644E-13	1.0343E-15
619	571550.6	4178679	0.55, 41786	0.32923	0.33046	0.33426	93.91251	40.06683	115.0705	13.41607	6.60436	16.43864	3.81E-09	1.31E-06	1.87E-07	1.18E-12	3.55E-12	2.8E-12	1.43E-15	3.45E-14	1.9E-15	3.77944E-14	4.76E-12	1.3107E-06	1.87259E-07	1.20182E-12	5.76875E-15	5.99868E-13	9.59789E-16
620	571590.6	4178679	0.55, 41786	0.30119	0.30402	0.3057	90.51235	37.8645	108.48539	11.49242	5.95997	13.56067	3.48E-09	1.24E-06	1.54E-07	1.07E-12	3.24E-12	2.56E-12	1.3E-15	3.15E-14	1.74E-15	3.45652E-14	4.353E-12	1.2357E-06	1.54476E-07	1.09914E-12	5.27586E-15	5.48615E-13	8.77783E-16
621	570310.6	4178719	0.55, 41787	0.10285	0.08839	0.09803	86.08959	31.99227	98.88317	10.7612	4.57032	12.3604	1.12E-09	1.13E-06	1.41E-07	3.45E-13	1.04E-12	8.22E-13	4.18E-16	1.01E-14	5.58E-16	1.10839E-14	1.396E-12	1.1263E-06	1.40804E-07	3.52457E-13	1.69179E-15	1.75923E-13	2.81476E-16
622	570350.6	4178719	0.55, 41787	0.11563	0.10049	0.11012	90.6137	34.18211	105.82439	11.32671	4.88316	13.22805	1.25E-09	1.21E-06	1.51E-07	3.87E-13	1.17E-12	9.23E-13	4.7E-16	1.14E-14	6.27E-16	1.24509E-14	1.568E-12	1.2053E-06	1.50687E-07	3.95927E-13	1.90045E-15	1.9762E-13	3.16191E-16
623	570390.6	4178719	0.55, 41787	0.13114	0.11521	0.12472	102.01088	38.97546	110.90458	12.75136	5.08393	13.86307	1.42E-09	1.26E-06	1.58E-07	4.38E-13	1.32E-12	1.05E-12	5.32E-16	1.29E-14	7.1E-16	1.41018E-14	1.776E-12	1.2632E-06	1.57924E-07	4.48421E-13	2.15242E-15	2.23821E-13	3.58114E-16
624	570430.6	4178719	0.55, 41787	0.15	0.13322	0.1425	114.28488	46.41789	135.81295	14.28561	5.80224	16.97662	1.62E-09	1.55E-06	1.93E-07	5.01E-13	1.51E-12	1.19E-12	6.08E-16	1.47E-14	8.11E-16	1.61122E-14	2.029E-12	1.5469E-06	1.93388E-07	5.12349E-13	2.45928E-15	2.5573E-13	4.09168E-16
625	570470.6	4178719	0.55, 41787	0.17288	0.1553	0.16447	122.16306	52.59309	158.80652	15.27038	6.67803	19.85082	1.87E-09	1.81E-06	2.26E-07	5.78E-13	1.75E-12	1.38E-12	7.02E-16	1.7E-14	9.36E-16	1.85963E-14	2.342E-12	1.8088E-06	2.26125E-07	5.91342E-13	2.83844E-15	2.95158E-13	4.72252E-16
626	570510.6	4178719	0.55, 41787	0.1999	0.18201	0.19124	126.87173	56.8638	170.00598	15.85897	8.56143	21.25075	2.18E-09	1.94E-06	2.42E-07	6.72E-13	2.03E-12	1.6E-12	8.16E-16	1.97E-14	1.09E-15	2.16232E-14	2.723E-12	1.9364E-06	2.4207E-07	6.87593E-13	3.30045E-15	3.432E-13	5.49119E-16
627	570550.6	4178719	0.55, 41787	0.2328	0.21534	0.22528	141.7684	62.68438	190.3461	19.27806	10.36338	23.79326	2.57E-09	2.17E-06	2.71E-07	7.92E-13	2.39E-12	1.89E-12	9.62E-16	2.32E-14	1.28E-15	2.5472E-14	3.208E-12	2.168E-06	2.71037E-07	8.09983E-13	3.88792E-15	4.04288E-13	6.46861E-16
628	570590.6	4178719	0.55, 41787	0.2704	0.25529	0.2651	152.6333	65.86327	220.26265	21.80476	11.76563	29.62209	3.02E-09	2.51E-06	3.37E-07	9.32E-13	2.81E-12	2.22E-12	1.13E-15	2.73E-14	1.51E-15	2.99744E-14	3.775E-12	2.5088E-06	3.37429E-07	9.53155E-13	4.57514E-15	4.7575E-13	7.612E-16
629	570630.6	4178719	0.55, 41787	0.31352	0.30328	0.30884	160.25221	70.5161	243.59554	22.89317	12.52474	34.32359	3.52E-09	2.77E-06	3.91E-07	1.09E-12	3.28E-12	2.59E-12	1.32E-15	3.18E-14	1.76E-15	3.49202E-14	4.398E-12	2.7745E-06	3.90977E-07	1.11042E-12	5.33004E-15	5.54249E-13	8.86798E-16
630	570670.6	4178719	0.55, 41787	0.36149	0.3594	0.35242	159.13882	79.23774	228.99362	22.73412	14.05012	31.24302	4.01E-09	2.61E-06	3.56E-07	1.24E-12	3.74E-12	2.95E-12	1.5E-15	3.63E-14	2.01E-15	3.98481E-14	5.018E-12	2.6082E-06	3.55892E-07	1.26713E-12	6.08221E-15	6.32464E-13	1.01194E-15
631	570710.6	4178719	0.55, 41787	0.41184	0.42167	0.39325	168.39934	82.78202	268.08178	23.84947	15.22445	37.49142	4.48E-09	3.05E-06	4.27E-07	1.38E-12	4.17E-12	3.3E-12	1.68E-15	4.05E-14	2.24E-15	4.44654E-14	5.6E-12	3.0534E-06	4.27057E-07	1.41395E-12	6.78697E-15	7.05748E-13	1.1292E-15
632	570750.6	4178719	0.55, 41787	0.46631	0.48852	0.43046	193.26616	81.97611	266.60906	24.83922	16.78199	33.32613	4.9E-09	3.04E-06	3.8E-07	1.51E-12	4.57E-12	3.61E-12	1.84E-15	4.44E-14	2.45E-15	4.86736E-14	6.13E-12	3.0367E-06	3.79623E-07	1.54777E-12	7.42928E-15	7.7254E-13	1.23606E-15
633	570790.6	4178719	0.55, 41787	0.5297	0.5627	0.45402	208.56721	92.88706	267.98327	26.09236	23.00092	33.50993	5.17E-09	3.05E-06	3.82E-07	1.6E-12	4.82E-12	3.81E-12	1.94E-15	4.68E-14	2.58E-15	5.1339E-14	6.466E-12	3.0523E-06	3.8172E-07	1.63253E-12	7.83612E-15	8.14846E-13	1.30375E-15
634	570830.6	4178719	0.55, 41787	0.58417	0.63922	0.49731	206.25232	102.59816	258.13483	28.9378	25.69667	32.26685	5.67E-09	2.94E-06	3.68E-07	1.75E-12	5.28E-12	4.17E-12	2.12E-15	5.13E-14	2.83E-15	5.62348E-14	7.082E-12	2.9402E-06	3.67572E-07	1.7882E-12	8.58338E-15	8.9255E-13	1.42808E-15
635	570870.6	4178719	0.55, 41787	0.63384	0.71183	0.60618	208.40577	136.85909	408.7133	28.70976	24.7437	51.08916	6.91E-09	4.66E-06	5.82E-07	2.13E-12	6.43E-12	5.08E-12	2.59E-15	6.25E-14	3.45E-15	6.85434E-14	8.632E-12	4.6552E-06	5.81935E-07	2.17961E-12	1.04621E-14	1.08791E-12	1.74066E-15
636	570910.6	4178719	0.55, 41787	0.68401	0.75343	0.58123	211.07044	124.31957	366.90455	30.70854	25.49482	45.86307	6.62E-09	4.18E-06	5.22E-07	2.04E-12	6.17E-12	4.87E-12	2.48E-15	5.99E-14	3.31E-15	6.57244E-14	8.277E-12	4.179E-06	5.22422E-07	2.08997E-12	1.00318E-14	1.04317E-12	1.66907E-15
637	570950.6	4178719	0.55, 41787	0.69007	0.76497	0.57081	207.10313	108.18225	376.87466	30.79195	24.65468	47.10933	6.5E-09	4.29E-06	5.37E-07	2.01E-12	6.06E-12	4.79E-12	2.44E-15	5.89E-14	3.25E-15	6.45469E-14	8.129E-12	4.2925E-06	5.36616E-07	2.05252E-12	9.85211E-15	1.02448E-12	1.63917E-15
638	570990.6	4178719	0.55, 41787	0.68048	0.74999	0.58632	206.58356	95.47159	294.44278	32.17827	21.60129	36.80535	6.68E-09	3.35E-06	4.19E-07	2.06E-12	6.22E-12	4.92E-12	2.5E-15	6.05E-14	3.34E-15	6.62997E-14	8.35E-12	3.3537E-06	4.1927E-07	2.10826E-12	1.01196E-14	1.0523E-12	1.68368E-15
639	571030.6	4178719	0.55, 41787	0.66194	0.72353	0.59736	210.3532	86.11281	328.15995	30.372	18.42489	51.15716	6.81E-09	3.74E-06	5.83E-07	2.1E-12	6.34E-12	5.01E-12	2.55E-15	6.16E-14	3.4E-15	6.75468E-14	8.507E-12	3.7377E-06	5.82714E-07	2.14792E-12	1.031E-14	1.07209E-12	1.71535E-15
640	571070.6	4178719	0.55, 41787	0.64029	0.68839	0.56269	181.70859	76.31707	252.84162	22.73215	15.52213	31.6052	6.41E-09	2.88E-06	3.6E-07	1.98E-12	5.97E-12	4.72E-12	2.4E-15	5.8E-14	3.2E-15	6.36268E-14	8.013E-12	2.8798E-06	3.60017E-07	2.02326E-12	9.71166E-15	1.00987E-12	1.6158E-15
641	571110.6	4178719	0.55, 41787	0.60626	0.64543	0.53034	207.95149	70.27092	268.27126	26.16426	14.32632	33.53391	6.04E-09	3.06E-06	3.82E-07	1.86E-12	5.63E-12	4.45E-12	2.26E-15	5.47E-14	3.02E-15	5.99687E-14	7.552E-12	3.0556E-06	3.81993E-07	1.90694E-12	9.15331E-15	9.51814E-13	1.5229E-15
642	571150.6	4178719	0.55, 41787	0.57256	0.60327	0.52806	200.64391	66.12781	289.68563	25.68735	14.52342	36.23202	6.02E-09	3.3E-06	4.13E-07	1.86E-12	5.61E-12	4.43E-12	2.25E-15	5.44E-14	3.01E-15	5.97097E-14	7.52E-12	3.2994E-06	4.1272E-07	1.8987E-12	9.11377E-15	9.47703E-13	1.51632E-15
643	571190.6	4178719	0.55, 41787	0.53842	0.56251	0.50995	154.3512	63.9477	213.38711	22.19645	14.00077	30.48387	5.81E-09	2.43E-06	3.47E-07	1.79E-12	5.41E-12	4.28E-12	2.18E-15	5.26E-14	2.9E-15	5.76613E-14	7.262E-12	2.4305E-06	3.47245E-07	1.83357E-12	8.80112E-15	9.15192E-13	1.46431E-15
644	571230.6	4178719	0.55, 41787	0.49735	0.52247	0.4676	159.72675	60.41971	199.28282	22.34048	12.75874	27.30767	5.33E-09	2.27E-06	3.11E-07	1.64E-12	4.96E-12	3.92E-12	2E-15	4.82E-14	2.66E-15	5.28729E-14	6.659E-12	2.2698E-06	3.11072E-07	1.6813E-12	8.07024E-15	8.39191E-13	1.3427E-15
645	571270.6	4178719	0.55, 41787	0.45612	0.4836	0.42898	144.14128	55.22387	195.55309	20.17616	11.51496	26.9261	4.89E-09	2.23E-06	3.07E-07	1.51E-12	4.55E-12	3.6E-12	1.83E-15	4.42E-14	2.44E-15	4.85061E-14	6.109E-12	2.2273E-06	3.06719E-07	1.54244E-12	7.40372E-15	7.69882E-13	1.23181E-15
646	571310.6	4178719	0.55, 41787	0.42006	0.44717	0.39945	118.44349	52.26024	154.81704	17.97136	10.56882	25.80284	4.55E-09	1.76E-06	2.94E-07	1.4E-12	4.24E-12	3.35E-12	1.71E-15	4.12E-14	2.27E-15	4.5167E-14	5.688E-12	1.7634E-06	2.9392E-07	1.43626E-12	6.89405E-15	7.16883E-13	1.14701E-15
647	571350.6	4178719	0.55, 41787	0.38785	0.41385	0.37184	109.17018	50.24459	147.83356	14.07795	10.0186	18.4792	4.24E-09	1.68E-06	2.11E-07	1.31E-12	3.95E-12	3.12E-12	1.59E-15	3.83E-14	2.12E-15	4.20449E-14	5.295E-12	1.6838E-06	2.105E-07	1.33698E-12	6.41752E-15	6.67331E-13	1.06773E-15
648	571390.6	4178719	0.55, 41787	0.35875	0.38356	0.34391	87.70597	48.80309	113.13015	10.96325	9.64341	14.14127	3.92E-09	1.29E-06	1.61E-07	1.21E-12	3.65E-12	2.88E-12	1.47E-15	3.55E-14	1.96E-15	3.88868E-14	4.897E-12	1.2886E-06	1.61087E-07	1.23656E-12	5.93549E-15	6.17206E-13	9.8753E-16
649	571430.6	4178719	0.55, 41787	0.33385	0.35563	0.32061	80.9107	47.09106	69.47289	11.59229	8.99084	10.76512	3.65E-09	7.91E-07	1.23E-07	1.13E-12	3.4E-12	2.69E-12	1.37E-15	3.31E-14	1.82E-15	3.62522E-14	4.566E-12	7.9137E-07	1.22638E-07	1.15278E-12	5.53335E-15	5.7539E-13	9.20623E-16
650	571470.6	4178719	0.55, 41787	0.31507	0.33052	0.30587	111.40642	45.19171	126.48359	15.57659	8.16367	17.53078	3.48E-09	1.44E-06	2E-07	1.08E-12	3.25E-12	2.56E-12	1.31E-15	3.15E-14	1.74E-15	3.45852E-14	4.356E-12	1.4407E-06	1.99704E-07	1.09977E-12	5.27891E-15	5.48932E-13	8.78291E-16
651	571510.6	4178719	0.55, 41787	0.29891	0.30701	0.29518	116.70467	43.07153	146.87884	15.95519	7.46065	19.6972	3.36E-09	1.67E-06	2.24E-07	1.04E-12	3.13E-12	2.47E-12	1.26E-15	3.04E-14	1.68E-15	3.33762E-14	4.203E-12	1.6729E-06	2.24378E-07	1.06133E-12	5.09436E-15	5.29742E-13	8.47587E-16
652	571550.6	4178719	0.55, 41787	0.28299	0.28542	0.28355	93.20798	40.2806	109.70993	12.81909	6.80365	14.78577	3.23E-09	1.25E-06	1.68E-07	9.97E-13	3.01E-12	2.38E-12	1.21E-15	2.92E-14	1.61E-15	3.20609E-14	4.038E-12	1.2496E-06	1.68432E-07	1.0195E-12	4.89361E-15	5.08866E-13	8.14185E-16
653	571590.6	4178719	0.55, 41787	0.2649	0.26495	0.26753	84.18961	37.57199	100.50298	12.02709	5.93847	14.35757	3.05E-09	1.14E-06	1.64E-07	9.4E-13	2.84E-12	2.24E-12	1.14E-15	2.76E-14	1.52E-15	3.02494E-14	3.81E-12	1.1447E-06	1.63553E-07	9.61897E-13	4.61711E-15	4.80114E-13	7.68182E-16
654	570310.6	4178759	0.55, 41787	0.10291	0.08971	0.0989	86.89901	32.22927	93.76167	10.86238	4.40505	11.72021	1.13E-09	1.07E-06	1.34E-07	3.48E-13	1.05E-12	8.29E-13	4.22E-16	1.02E-14	5.63E-16	1.11823E-14	1.408E-12	1.068E-06	1.33513E-07	3.55586E-13	1.70681E-15	1.77484E-13	2.83975E-16
655	570350.6	4178759	0.55, 41787	0.11544	0.10167	0.11074	97.89636	38.6449	111.66772	12.23704	4.83061	13.95846	1.26E-09	1.27E-06	1.59E-07	3.89E-13	1.18E-12	9.28E-13	4.73E-16	1.14E-14	6.3E-16	1.25211E-14	1.577E-12	1.2719E-06	1.59009E-07	3.98156E-13	1.91115E-15	1.98733E-13	3.17972E-16
656	570390.6	4178759	0.55, 41787	0.13027	0.11595	0.12485	105.67733	44.34348	129.76492	13.20967	5.54293	16.22061	1.42E-09	1.48E-06	1.85E-07	4.39E-13	1.33E-12	1.05E-12	5.33E-16	1.29E-14	7.11E-16	1.41165E-14	1.778E-12	1.478E-06	1.84775E-07	4.48889E-13	2.15467E-15	2.24055E-13	3.58488E-16
657	570430.6	4178759	0.55, 41787	0.14773	0.133	0.14184	109.21499	48.49986	141.11126	13.65187	6.24447	17.63891	1.62E-09	1.61E-06	2.01E-07	4.99E-13	1.51E-12	1.19E-12	6.05E-16	1.46E-14	8.07E-16	1.60375E-14	2.02E-12	1.6073E-06	2.00929E-07	5.09976E-13	2.44789E-15	2.54545E-13	4.07273E-16
658	570470.6	4178759	0.55, 41787	0.16767	0.15301	0.16202	117.79795	52.53636	140.35154	14.72474	7.71399	17.54394	1.85E-09	1.6E-06	2E-07	5.7E-13	1.72E-12	1.36E-12	6.92E-16	1.67E-14	9.22E-16	1.83193E-14	2.307E-12	1.5986E-06	1.99851E-07	5.82533E-13	2.79616E-15	2.90761E-13	4.65217E-16
659	570510.6	4178759	0.55, 41787	0.191	0.17712	0.1864	128.29828	56.17436	171.94141	17.6792	9.03197	21.49268	2.12E-09	1.96E-06	2.45E-07	6.55E-13	1.98E-12	1.56E-12	7.96E-16	1.92E-14	1.06E-15	2.10759E-14	2.654E-12	1.9584E-06	2.44831E-07	6.7019E-13	3.21691E-15	3.34513E-13	5.35222E-16
660	570550.6	4178759	0.55, 41787	0.21672	0.20498	0.21341	137.63049	58.52483	184.29573	19.6615	9.95092	26.17497	2.43E-09	2.1E-06	2.98E-07	7.5E-13	2.27E-12	1.79E-12	9.11E-16	2.2E-14	1.21E-15	2.41299E-14	3.039E-12	2.0991E-06	2.98163E-07	7.67305E-13	3.68306E-15	3.82986E-13	6.12778E-16
661	570590.6	4178759	0.55, 41787	0.24504	0.23724	0.24166	142.23889	62.68425	205.21483	20.31984	10.25836	28.57469	2.75E-09	2.34E-06	3.25E-07	8.5E-13	2.57E-12	2.03E-12	1.03E-15	2.49E-14	1.38E-15	2.73242E-14	3.441E-12	2.3374E-06	3.25495E-07	8.68881E-13	4.17063E-15	4.33686E-13	6.93898E-16
662	570630.6	4178759	0.55, 41787	0.27554	0.27375	0.26892	139.19636	70.02218	188.40794	19.61007	11.07526	25.7042	3.06E-09	2.15E-06	2.93E-07	9.45E-13	2.85E-12	2.25E-12	1.15E-15	2.77E-14	1.53E-15	3.04068E-14	3.829E-12	2.146E-06	2.92802E-07	9.66903E-13	4.64113E-15	4.82612E-13	7.72179E-16
663	570670.6	4178759	0.55, 41787	0.30614	0.31293	0.29402	149.31547	72.47289	221.2081	21.10931	12.07881	31.37185	3.35E-09	2.52E-06	3.57E-07	1.03E-12	3.12E-12	2.47E-12	1.26E-15	3.03E-14	1.67E-15	3.32452E-14	4.187E-12	2.5195E-06	3.57354E-07	1.05716E-12	5.07438E-15	5.27663E-13	8.44261E-16
664	570710.6	4178759	0.55, 41787	0.33494	0.35231	0.31792	164.794	71.08708	213.69891	21.55176	13.08376	26.71236	3.62E-09	2.43E-06	3.04E-07	1.12E-12	3.37E-12	2.67E-12	1.36E-15	3.28E-14	1.81E-15	3.5948E-14	4.527E-12	2.434E-06	3.0429E-07	1.14311E-12	5.48692E-15	5.70562E-13	9.12899E-16
665	570750.6	4178759	0.55, 41787	0.36674	0.3924	0.33661	179.38877	78.60477	216.64393	22.4236	16.36841	27.08049	3.83E-09	2.47E-06	3.08E-07	1.18E-12	3.57E-12	2.82E-12	1.44E-15	3.47E-14	1.92E-15	3.80619E-14	4.794E-12	2.4676E-06	3.08485E-07	1.21033E-12	5.80958E-15	6.04114E-13	9.66582E-16
666	570790.6	4178759	0.55, 41787	0.40357	0.43625	0.34677	166.36606	82.34558	242.62848	21.7564	19.87746	30.35713	3.95E-09	2.76E-06	3.46E-07	1.22E-12	3.68E-12	2.91E-12	1.48E-15	3.58E-14	1.97E-15	3.92117E-14	4.938E-12	2.7635E-06	3.458E-07	1.24689E-12	5.98508E-15	6.22363E-13	9.95781E-16
667	570830.6	4178759	0.55, 41787	0.43354	0.48203	0.39259	188.6599	98.62945	246.30784	24.95504	19.43466	30.78848	4.47E-09	2.81E-06	3.51E-07	1.38E-12	4.17E-12	3.29E-12	1.68E-15	4.05E-14	2.23E-15	4.43925E-14	5.591E-12	2.8055E-06	3.50722E-07	1.41163E-12	6.77585E-15	7.04592E-13	1.12735E-15
668	570870.6	4178759	0.55, 41787	0.46387	0.52331	0.45582	172.12292	120.25167	329.63715	21.51536	18.67269	41.20464	5.19E-09	3.75E-06	4.69E-07	1.6E-12	4.84E-12	3.82E-12	1.95E-15	4.7E-14	2.59E-15	5.15412E-14	6.491E-12	3.7546E-06	4.69339E-07	1.63895E-12	7.86698E-15	8.18054E-13	1.30889E-15
669	570910.6	4178759	0.55, 41787	0.49085	0.54778	0.42691	176.15826	108.72169	296.15879	23.43896	19.655	37.01985	4.86E-09	3.37E-06	4.22E-07	1.5E-12	4.53E-12	3.58E-12	1.82E-15	4.4E-14	2.43E-15	4.8274E-14	6.08E-12	3.3733E-06	4.21686E-07	1.53506E-12	7.3683E-15	7.66198E-13	1.22592E-15
670	570950.6	4178759	0.55, 41787	0.48762	0.55475	0.41816	180.46301	97.04885	324.78811	24.36206	20.46933	40.59851	4.76E-09	3.7E-06	4.62E-07	1.47E-12	4.44E-12	3.51E-12	1.79E-15	4.31E-14	2.38E-15	4.72851E-14	5.955E-12	3.6993E-06	4.62445E-07	1.50362E-12	7.21736E-15	7.50503E-13	1.2008E-15
671	570990.6	4178759	0.55, 41787	0.49051	0.55159	0.43765	151.23194	87.28492	222.11928	25.20532	17.38113	28.62893	4.99E-09	2.53E-06	3.26E-07	1.54E-12	4.65E-12	3.67E-12	1.87E-15	4.51E-14	2.49E-15	4.94882E-14	6.233E-12	2.53E-06	3.26128E-07	1.57367E-12	7.55362E-15	7.85469E-13	1.25675E-15
672	571030.6	4178759	0.55, 41787	0.48428	0.53663	0.45626	187.58168	78.86438	272.43541	28.06386	15.68835	45.4059	5.2E-09	3.1E-06	5.17E-07	1.6E-12	4.84E-12	3.83E-12	1.95E-15	4.7E-14	2.6E-15	5.15914E-14	6.497E-12	3.103E-06	5.17207E-07	1.64055E-12	7.87464E-15	8.18851E-13	1.31016E-15
673	571070.6	4178759	0.55, 41787	0.467	0.51625	0.43604	163.79974	72.83551	258.94072	22.54296	13.46245	32.36759	4.97E-09	2.95E-06	3.69E-07	1.53E-12	4.63E-12	3.66E-12	1.86E-15	4.5E-14	2.48E-15	4.93051E-14	6.209E-12	2.9493E-06	3.68699E-07	1.56785E-12	7.52568E-15	7.82564E-13	1.2521E-15
674	571110.6	4178759	0.55, 41787	0.44755	0.4933	0.39624	157.0432	65.36033	149.25903	19.63651	11.35189	22.10234	4.51E-09	1.7E-06	2.52E-07	1.39E-12	4.21E-12	3.32E-12	1.69E-15	4.09E-14	2.26E-15	4.48055E-14	5.643E-12	1.7001E-06	2.51781E-07	1.42477E-12	6.83888E-15	7.11146E-13	1.13783E-15
675	571150.6	4178759	0.55, 41787	0.4302	0.46818	0.38775	183.98767	62.14189	232.46693	23.05685	11.54043	29.05837	4.42E-09	2.65E-06	3.31E-07	1.36E-12	4.12E-12	3.25E-12	1.66E-15	4E-14	2.21E-15	4.3845E-14	5.522E-12	2.6478E-06	3.31013E-07	1.39422E-12	6.69228E-15	6.95902E-13	1.11344E-15
676	571190.6	4178759	0.55, 41787	0.41561	0.44245	0.39452	166.33485	59.4631	232.20811	21.02615	11.70076	29.03347	4.49E-09	2.64E-06	3.31E-07	1.39E-12	4.19E-12	3.31E-12	1.68E-15	4.07E-14	2.25E-15	4.46095E-14	5.618E-12	2.6448E-06	3.30723E-07	1.41854E-12	6.80897E-15	7.08036E-13	1.13286E-15
677	571230.6	4178759	0.55, 41787	0.39577	0.41616	0.38297	133.04594	57.55284	174.38403	19.00656	11.25795	24.912	4.36E-09	1.99E-06	2.84E-07	1.35E-12	4.06E-12	3.21E-12	1.63E-15	3.95E-14	2.18E-15	4.33031E-14	5.454E-12	1.9862E-06	2.83778E-07	1.37699E-12	6.60957E-15	6.87301E-13	1.09968E-15
678	571270.6	4178759	0.55, 41787	0.36933	0.38979	0.3568	133.93343	52.76944	163.09994	18.49966	10.32502	20.38749	4.06E-09	1.86E-06	2.32E-07	1.25E-12	3.79E-12	2.99E-12	1.52E-15	3.68E-14	2.03E-15	4.03441E-14	5.081E-12	1.8577E-06	2.32247E-07	1.2829E-12	6.15792E-15	6.40336E-13	1.02454E-15
679	571310.6	4178759	0.55, 41787	0.3411	0.36413	0.32902	131.1619	50.25063	168.23883	18.11843	9.56125	22.87944	3.75E-09	1.92E-06	2.61E-07	1.16E-12	3.49E-12	2.76E-12	1.4E-15	3.39E-14	1.87E-15	3.72031E-14	4.685E-12	1.9162E-06	2.60626E-07	1.18302E-12	5.67849E-15	5.90482E-13	9.44772E-16
680	571350.6	4178759	0.55, 41787	0.31543	0.34037	0.30452	103.20737	47.94128	136.71003	14.62528	9.08266	18.8743	3.47E-09	1.56E-06	2.15E-07	1.07E-12	3.23E-12	2.55E-12	1.3E-15	3.14E-14	1.73E-15	3.44329E-14	4.336E-12	1.5571E-06	2.15002E-07	1.09493E-12	5.25566E-15	5.46514E-13	8.74423E-16
681	571390.6	4178759	0.55, 41787	0.29206	0.31801	0.28181	95.20975	46.26011	128.00267	11.90122	8.7596	16.00033	3.21E-09	1.46E-06	1.82E-07	9.91E-13	2.99E-12	2.36E-12	1.2E-15	2.91E-14	1.6E-15	3.18651E-14	4.013E-12	1.458E-06	1.82262E-07	1.01328E-12	4.86373E-15	5.05759E-13	8.09214E-16
682	571430.6	4178759	0.55, 41787	0.27184	0.29676	0.26169	65.82255	44.97926	77.28464	8.48847	8.42183	11.06277	2.98E-09	8.8E-07	1.26E-07	9.2E-13	2.78E-12	2.19E-12	1.12E-15	2.7E-14	1.49E-15	2.95901E-14	3.727E-12	8.8033E-07	1.26018E-07	9.40934E-13	4.51648E-15	4.6965E-13	7.51441E-16
683	571470.6	4178759	0.55, 41787	0.25781	0.27877	0.24855	74.19853	43.62462	66.74746	10.92817	7.8818	10.16339	2.83E-09	7.6E-07	1.16E-07	8.74E-13	2.64E-12	2.08E-12	1.06E-15	2.56E-14	1.41E-15	2.81043E-14	3.539E-12	7.6032E-07	1.15783E-07	8.93685E-13	4.28969E-15	4.46067E-13	7.13707E-16
684	571510.6	4178759	0.55, 41787	0.24715	0.26193	0.24035	102.14842	42.0514	116.58455	14.2101	7.23025	16.16505	2.74E-09	1.33E-06	1.84E-07	8.45E-13	2.55E-12	2.02E-12	1.03E-15	2.48E-14	1.37E-15	2.71768E-14	3.423E-12	1.3279E-06	1.84145E-07	8.64194E-13	4.14813E-15	4.31347E-13	6.90155E-16
685	571550.6	4178759	0.55, 41787	0.23772	0.24585	0.23427	104.82233	40.15762	128.89855	14.31586	6.66643	17.41071	2.67E-09	1.47E-06	1.98E-07	8.24E-13	2.49E-12	1.96E-12	1E-15	2.42E-14	1.33E-15	2.64891E-14	3.336E-12	1.4681E-06	1.98332E-07	8.42325E-13	4.04316E-15	4.20431E-13	6.7269E-16
686	571590.6	4178759	0.55, 41787	0.22808	0.23097	0.22747	83.60184	37.747	96.99907	11.46846	6.12919	13.15855	2.59E-09	1.1E-06	1.5E-07	8E-13	2.41E-12	1.91E-12	9.71E-16	2.35E-14	1.29E-15	2.572E-14	3.239E-12	1.1048E-06	1.49896E-07	8.17868E-13	3.92577E-15	4.08224E-13	6.53158E-16
687	570310.6	4178799	0.55, 41787	0.10253	0.09048	0.09887	92.22772	37.68456	108.42661	11.52846	4.71057	13.55333	1.13E-09	1.23E-06	1.54E-07	3.48E-13	1.05E-12	8.29E-13	4.22E-16	1.02E-14	5.63E-16	1.11789E-14	1.408E-12	1.235E-06	1.54392E-07	3.55478E-13	1.7063E-15	1.77431E-13	2.83889E-16
688	570350.6	4178799	0.55, 41787	0.11434	0.10195	0.11024	96.42289	41.82094	119.06345	12.05286	5.22762	14.88293	1.26E-09	1.36E-06	1.7E-07	3.88E-13	1.17E-12	9.24E-13	4.71E-16	1.14E-14	6.27E-16	1.24645E-14	1.57E-12	1.3561E-06	1.69537E-07	3.96359E-13	1.90252E-15	1.97836E-13	3.16537E-16
689	570390.6	4178799	0.55, 41787	0.12785	0.11532	0.12365	96.70849	44.28794	121.57528	12.08856	5.83168	15.19691	1.41E-09	1.38E-06	1.73E-07	4.35E-13	1.31E-12	1.04E-12	5.28E-16	1.27E-14	7.04E-16	1.39808E-14	1.761E-12	1.3848E-06	1.73113E-07	4.44575E-13	2.13396E-15	2.21901E-13	3.55042E-16
690	570430.6	4178799	0.55, 41787	0.14288	0.13064	0.13911	109.4746	48.39009	132.26529	13.83026	6.97525	16.53316	1.58E-09	1.51E-06	1.88E-07	4.89E-13	1.48E-12	1.17E-12	5.94E-16	1.43E-14	7.92E-16	1.57289E-14	1.981E-12	1.5065E-06	1.88336E-07	5.00161E-13	2.40077E-15	2.49646E-13	3.99434E-16
691	570470.6	4178799	0.55, 41787	0.15993	0.14857	0.15692	116.3647	50.80214	153.38363	16.31235	7.92735	19.17295	1.79E-09	1.75E-06	2.18E-07	5.52E-13	1.67E-12	1.32E-12	6.7E-16	1.62E-14	8.93E-16	1.77426E-14	2.235E-12	1.747E-06	2.18408E-07	5.64196E-13	2.70814E-15	2.81608E-13	4.50573E-16
692	570510.6	4178799	0.55, 41787	0.17816	0.16871	0.17591	124.77861	52.11481	162.22151	17.82552	8.49382	23.1745	2E-09	1.85E-06	2.64E-07	6.18E-13	1.87E-12	1.47E-12	7.51E-16	1.81E-14	1E-15	1.98898E-14	2.505E-12	1.8477E-06	2.63986E-07	6.32475E-13	3.03588E-15	3.15689E-13	5.05102E-16
693	570550.6	4178799	0.55, 41787	0.19752	0.19131	0.19507	126.89522	56.18657	175.78093	18.12789	8.51005	24.21863	2.22E-09	2E-06	2.76E-07	6.86E-13	2.07E-12	1.64E-12	8.33E-16	2.01E-14	1.11E-15	2.20563E-14	2.778E-12	2.0021E-06	2.75878E-07	7.01368E-13	3.36657E-15	3.50075E-13	5.6012E-16
694	570590.6	4178799	0.55, 41787	0.21773	0.21627	0.21308	122.68072	62.5324	158.46837	17.14296	9.80776	21.67538	2.43E-09	1.8E-06	2.47E-07	7.49E-13	2.26E-12	1.79E-12	9.1E-16	2.2E-14	1.21E-15	2.40929E-14	3.034E-12	1.805E-06	2.46911E-07	7.66129E-13	3.67742E-15	3.82399E-13	6.11839E-16
695	570630.6	4178799	0.55, 41787	0.23771	0.24268	0.22932	133.9153	64.36556	188.20796	18.95021	10.72759	26.70167	2.61E-09	2.14E-06	3.04E-07	8.06E-13	2.43E-12	1.92E-12	9.79E-16	2.36E-14	1.31E-15	2.59295E-14	3.266E-12	2.1437E-06	3.0416E-07	8.24529E-13	3.95774E-15	4.11549E-13	6.58478E-16
696	570670.6	4178799	0.55, 41787	0.25595	0.26895	0.24514	141.94782	63.09907	182.20008	19.13844	10.57117	23.96944	2.79E-09	2.08E-06	2.73E-07	8.62E-13	2.6E-12	2.06E-12	1.05E-15	2.53E-14	1.4E-15	2.77185E-14	3.491E-12	2.0753E-06	2.73043E-07	8.81419E-13	4.23081E-15	4.39944E-13	7.03911E-16
697	570710.6	4178799	0.55, 41787	0.27273	0.29382	0.2595	157.12572	66.69563	192.86918	19.64072	11.93189	24.10865	2.96E-09	2.2E-06	2.75E-07	9.12E-13	2.75E-12	2.18E-12	1.11E-15	2.68E-14	1.48E-15	2.93425E-14	3.695E-12	2.1968E-06	2.7463E-07	9.3306E-13	4.47869E-15	4.6572E-13	7.45152E-16
698	570750.6	4178799	0.55, 41787	0.29355	0.31916	0.26739	152.65771	72.44297	180.42039	19.08221	15.18472	22.55534	3.05E-09	2.06E-06	2.57E-07	9.4E-13	2.84E-12	2.24E-12	1.14E-15	2.76E-14	1.52E-15	3.02351E-14	3.808E-12	2.055E-06	2.56938E-07	9.61445E-13	4.61494E-15	4.79888E-13	7.67821E-16
699	570790.6	4178799	0.55, 41787	0.31688	0.34759	0.27611	157.73005	72.26845	195.86787	20.13646	16.34526	24.48348	3.15E-09	2.23E-06	2.79E-07	9.71E-13	2.93E-12	2.32E-12	1.18E-15	2.85E-14	1.57E-15	3.12217E-14	3.932E-12	2.231E-06	2.78901E-07	9.92817E-13	4.76552E-15	4.95546E-13	7.92874E-16
700	570830.6	4178799	0.55, 41787	0.33524	0.37796	0.31984	162.23746	94.66133	234.71664	21.09567	14.73083	29.33958	3.64E-09	2.67E-06	3.34E-07	1.12E-12	3.39E-12	2.68E-12	1.37E-15	3.3E-14	1.82E-15	3.61658E-14	4.555E-12	2.6735E-06	3.34209E-07	1.15003E-12	5.52016E-15	5.74018E-13	9.18429E-16
701	570870.6	4178799	0.55, 41787	0.35595	0.40358	0.35265	158.80625	107.46352	263.60655	19.85078	16.70272	32.95082	4.02E-09	3E-06	3.75E-07	1.24E-12	3.74E-12	2.96E-12	1.51E-15	3.64E-14	2.01E-15	3.98753E-14	5.022E-12	3.0025E-06	3.75333E-07	1.26799E-12	6.08637E-15	6.32896E-13	1.01263E-15
702	570910.6	4178799	0.55, 41787	0.3676	0.41723	0.32417	150.41188	96.98395	247.06251	18.80149	15.72408	30.88281	3.69E-09	2.81E-06	3.52E-07	1.14E-12	3.44E-12	2.72E-12	1.38E-15	3.34E-14	1.85E-15	3.66564E-14	4.617E-12	2.8141E-06	3.51777E-07	1.16563E-12	5.59505E-15	5.81806E-13	9.30889E-16
703	570950.6	4178799	0.55, 41787	0.34637	0.40141	0.30552	159.46188	87.41269	275.63404	19.93273	16.48069	34.45425	3.48E-09	3.14E-06	3.92E-07	1.07E-12	3.24E-12	2.56E-12	1.3E-15	3.15E-14	1.74E-15	3.45478E-14	4.351E-12	3.1394E-06	3.92455E-07	1.09858E-12	5.27319E-15	5.48337E-13	8.77339E-16
704	570990.6	4178799	0.55, 41787	0.35579	0.40756	0.32647	119.48057	79.68844	146.33228	17.5796	14.60553	25.33485	3.72E-09	1.67E-06	2.89E-07	1.15E-12	3.47E-12	2.74E-12	1.39E-15	3.37E-14	1.86E-15	3.69161E-14	4.649E-12	1.6668E-06	2.88589E-07	1.17389E-12	5.63468E-15	5.85927E-13	9.37484E-16
705	571030.6	4178799	0.55, 41787	0.37225	0.416	0.35619	155.14917	72.93395	196.55996	24.86673	12.948	30.87431	4.06E-09	2.24E-06	3.52E-07	1.25E-12	3.78E-12	2.99E-12	1.52E-15	3.67E-14	2.03E-15	4.02759E-14	5.072E-12	2.2388E-06	3.517E-07	1.28073E-12	6.1475E-15	6.39253E-13	1.02281E-15
706	571070.6	4178799	0.55, 41787	0.3594	0.40135	0.34666	158.59146	67.81733	220.83512	22.65592	11.74555	33.70367	3.95E-09	2.52E-06	3.84E-07	1.22E-12	3.68E-12	2.91E-12	1.48E-15	3.57E-14	1.97E-15	3.91982E-14	4.937E-12	2.5153E-06	3.83916E-07	1.24646E-12	5.98301E-15	6.22148E-13	9.95437E-16
707	571110.6	4178799	0.55, 41787	0.34191	0.38638	0.31575	133.9595	62.41991	198.12185	16.74494	10.40332	24.76523	3.6E-09	2.26E-06	2.82E-07	1.11E-12	3.35E-12	2.65E-12	1.35E-15	3.26E-14	1.8E-15	3.57037E-14	4.497E-12	2.2566E-06	2.82099E-07	1.13534E-12	5.44963E-15	5.66684E-13	9.06695E-16
708	571150.6	4178799	0.55, 41787	0.32926	0.37153	0.29721	140.52662	58.47073	122.49716	17.56829	9.74512	16.40698	3.39E-09	1.4E-06	1.87E-07	1.04E-12	3.15E-12	2.49E-12	1.27E-15	3.06E-14	1.69E-15	3.36075E-14	4.233E-12	1.3953E-06	1.86911E-07	1.06868E-12	5.12968E-15	5.33414E-13	8.53462E-16
709	571190.6	4178799	0.55, 41787	0.32393	0.35615	0.30055	162.80337	55.99612	201.90064	20.37225	9.46414	25.23758	3.42E-09	2.3E-06	2.87E-07	1.06E-12	3.19E-12	2.52E-12	1.28E-15	3.1E-14	1.71E-15	3.39846E-14	4.28E-12	2.2996E-06	2.8749E-07	1.08067E-12	5.18724E-15	5.39399E-13	8.63039E-16
710	571230.6	4178799	0.55, 41787	0.31732	0.33876	0.30501	141.0743	54.42569	191.70239	17.72831	9.52966	23.96639	3.47E-09	2.18E-06	2.73E-07	1.07E-12	3.24E-12	2.56E-12	1.3E-15	3.15E-14	1.74E-15	3.44883E-14	4.343E-12	2.1835E-06	2.73004E-07	1.09669E-12	5.26411E-15	5.47393E-13	8.75829E-16
711	571270.6	4178799	0.55, 41787	0.30415	0.32027	0.29829	116.54381	51.24633	144.90939	16.64912	9.13765	20.70134	3.4E-09	1.65E-06	2.36E-07	1.05E-12	3.17E-12	2.5E-12	1.27E-15	3.08E-14	1.7E-15	3.37281E-14	4.248E-12	1.6505E-06	2.35816E-07	1.07252E-12	5.14808E-15	5.35328E-13	8.56524E-16
712	571310.6	4178799	0.55, 41787	0.28608	0.30211	0.28212	111.77517	48.08718	136.31939	15.28029	8.60329	17.73191	3.21E-09	1.55E-06	2.02E-07	9.92E-13	2.99E-12	2.37E-12	1.2E-15	2.91E-14	1.61E-15	3.18997E-14	4.017E-12	1.5527E-06	2.01993E-07	1.01438E-12	4.86901E-15	5.06308E-13	8.10092E-16
713	571350.6	4178799	0.55, 41787	0.26522	0.28423	0.2608	116.94553	46.1941	139.01017	15.97517	8.23917	19.97796	2.97E-09	1.58E-06	2.28E-07	9.17E-13	2.77E-12	2.19E-12	1.11E-15	2.69E-14	1.48E-15	2.94892E-14	3.714E-12	1.5833E-06	2.27575E-07	9.37723E-13	4.50107E-15	4.68048E-13	7.48876E-16
714	571390.6	4178799	0.55, 41787	0.24309	0.26586	0.23735	101.64822	44.37475	130.479	13.96186	7.97488	17.70328	2.7E-09	1.49E-06	2.02E-07	8.34E-13	2.52E-12	1.99E-12	1.01E-15	2.45E-14	1.35E-15	2.68378E-14	3.38E-12	1.4862E-06	2.01663E-07	8.53414E-13	4.09639E-15	4.25966E-13	6.81546E-16
715	571430.6	4178799	0.55, 41787	0.22645	0.25105	0.21957	78.66707	42.96369	101.00422	10.22882	7.75525	13.14754	2.5E-09	1.15E-06	1.5E-07	7.72E-13	2.33E-12	1.84E-12	9.37E-16	2.26E-14	1.25E-15	2.48275E-14	3.127E-12	1.1505E-06	1.49767E-07	7.89489E-13	3.78955E-15	3.94059E-13	6.30495E-16
716	571470.6	4178799	0.55, 41787	0.21325	0.23694	0.20607	47.64153	41.84289	57.10773	7.70461	7.45296	10.06314	2.35E-09	6.51E-07	1.15E-07	7.24E-13	2.19E-12	1.73E-12	8.8E-16	2.12E-14	1.17E-15	2.33011E-14	2.935E-12	6.5052E-07	1.14631E-07	7.4095E-13	3.55656E-15	3.69832E-13	5.91731E-16
717	571510.6	4178799	0.55, 41787	0.20623	0.22585	0.19985	71.44774	40.73398	67.79843	10.29216	7.00806	9.90291	2.28E-09	7.72E-07	1.13E-07	7.03E-13	2.12E-12	1.68E-12	8.53E-16	2.06E-14	1.14E-15	2.25977E-14	2.846E-12	7.7228E-07	1.12815E-07	7.18581E-13	3.44919E-15	3.58667E-13	5.73867E-16
718	571550.6	4178799	0.55, 41787	0.19818	0.21228	0.19356	94.10249	39.35835	107.36049	13.01678	6.4744	14.79864	2.21E-09	1.22E-06	1.69E-07	6.8E-13	2.05E-12	1.62E-12	8.26E-16	2E-14	1.1E-15	2.18862E-14	2.756E-12	1.2228E-06	1.6858E-07	6.95959E-13	3.3406E-15	3.47375E-13	5.55801E-16
719	571590.6	4178799	0.55, 41787	0.19254	0.20073	0.18997	94.76849	37.66806	114.23818	12.95063	6.01952	15.50303	2.16E-09	1.3E-06	1.77E-07	6.68E-13	2.02E-12	1.59E-12	8.11E-16	1.96E-14	1.08E-15	2.14801E-14	2.705E-12	1.3012E-06	1.76602E-07	6.83044E-13	3.27861E-15	3.40929E-13	5.45486E-16
720	570310.6	4178839	0.55, 41788	0.10118	0.0904	0.098	86.93136	38.98232	105.93151	10.86642	4.87279	13.24144	1.12E-09	1.21E-06	1.51E-07	3.44E-13	1.04E-12	8.22E-13	4.18E-16	1.01E-14	5.58E-16	1.10806E-14	1.395E-12	1.2066E-06	1.50838E-07	3.52351E-13	1.69128E-15	1.7587E-13	2.81391E-16
721	570350.6	4178839	0.55, 41788	0.1118	0.10104	0.10874	92.10266	41.60712	103.12867	11.51283	5.43734	12.89108	1.24E-09	1.17E-06	1.47E-07	3.82E-13	1.15E-12	9.12E-13	4.64E-16	1.12E-14	6.19E-16	1.2295E-14	1.548E-12	1.1747E-06	1.4685E-07	3.90966E-13	1.87664E-15	1.95144E-13	3.1223E-16
722	570390.6	4178839	0.55, 41788	0.12335	0.11299	0.12071	101.58992	44.39945	123.8041	13.097	6.32134	15.47551	1.38E-09	1.41E-06	1.76E-07	4.24E-13	1.28E-12	1.01E-12	5.15E-16	1.24E-14	6.87E-16	1.36484E-14	1.719E-12	1.4101E-06	1.76289E-07	4.34004E-13	2.08322E-15	2.16625E-13	3.46601E-16
723	570430.6	4178839	0.55, 41788	0.13612	0.12663	0.1341	105.75261	46.22171	135.82058	15.10752	6.99394	17.72822	1.53E-09	1.55E-06	2.02E-07	4.71E-13	1.42E-12	1.12E-12	5.72E-16	1.38E-14	7.63E-16	1.51624E-14	1.91E-12	1.547E-06	2.01951E-07	4.82148E-13	2.31431E-15	2.40655E-13	3.85049E-16
724	570470.6	4178839	0.55, 41788	0.14941	0.1416	0.14777	113.55911	47.52324	144.14907	16.22273	7.30549	20.59272	1.68E-09	1.64E-06	2.35E-07	5.19E-13	1.57E-12	1.24E-12	6.31E-16	1.52E-14	8.41E-16	1.67081E-14	2.104E-12	1.6419E-06	2.34577E-07	5.31299E-13	2.55024E-15	2.65188E-13	4.24302E-16
725	570510.6	4178839	0.55, 41788	0.16314	0.158	0.16129	114.44641	50.69094	152.51274	16.21485	7.16417	20.85712	1.84E-09	1.74E-06	2.38E-07	5.67E-13	1.71E-12	1.35E-12	6.88E-16	1.66E-14	9.18E-16	1.82369E-14	2.297E-12	1.7371E-06	2.37589E-07	5.79913E-13	2.78358E-15	2.89453E-13	4.63125E-16
726	570550.6	4178839	0.55, 41788	0.17704	0.17576	0.1737	109.2842	56.30775	135.99936	15.45924	8.75778	18.63755	1.98E-09	1.55E-06	2.12E-07	6.11E-13	1.84E-12	1.46E-12	7.41E-16	1.79E-14	9.89E-16	1.96402E-14	2.473E-12	1.5491E-06	2.12308E-07	6.24538E-13	2.99778E-15	3.11727E-13	4.98763E-16
727	570590.6	4178839	0.55, 41788	0.1907	0.19445	0.18485	121.04262	57.73789	162.59872	17.123	9.62298	23.05827	2.11E-09	1.85E-06	2.63E-07	6.5E-13	1.96E-12	1.55E-12	7.89E-16	1.91E-14	1.05E-15	2.09012E-14	2.632E-12	1.852E-06	2.6266E-07	6.64634E-13	3.19024E-15	3.3174E-13	5.30784E-16
728	570630.6	4178839	0.55, 41788	0.20316	0.21304	0.19546	125.84874	56.85617	163.76967	17.26057	9.47603	21.8341	2.23E-09	1.87E-06	2.49E-07	6.87E-13	2.07E-12	1.64E-12	8.34E-16	2.02E-14	1.11E-15	2.21011E-14	2.783E-12	1.8653E-06	2.48719E-07	7.0279E-13	3.37339E-15	3.50785E-13	5.61256E-16
729	570670.6	4178839	0.55, 41788	0.21386	0.23043	0.20601	138.80556	56.19819	167.35734	17.35069	9.51337	20.91967	2.35E-09	1.91E-06	2.38E-07	7.24E-13	2.19E-12	1.73E-12	8.79E-16	2.12E-14	1.17E-15	2.32941E-14	2.934E-12	1.9062E-06	2.38305E-07	7.40728E-13	3.55549E-15	3.69721E-13	5.91554E-16
730	570710.6	4178839	0.55, 41788	0.22462	0.24643	0.21368	139.69865	64.11019	158.44625	17.46233	11.64998	19.80578	2.43E-09	1.8E-06	2.26E-07	7.51E-13	2.27E-12	1.79E-12	9.12E-16	2.2E-14	1.22E-15	2.41616E-14	3.043E-12	1.8047E-06	2.25619E-07	7.68313E-13	3.6879E-15	3.8349E-13	6.13583E-16
731	570750.6	4178839	0.55, 41788	0.23931	0.26333	0.21642	129.30344	65.03758	176.13066	16.25667	13.35444	22.02002	2.47E-09	2.01E-06	2.51E-07	7.61E-13	2.3E-12	1.81E-12	9.24E-16	2.23E-14	1.23E-15	2.44719E-14	3.082E-12	2.0061E-06	2.50833E-07	7.78179E-13	3.73526E-15	3.88414E-13	6.21462E-16
732	570790.6	4178839	0.55, 41788	0.2546	0.28325	0.22784	148.04332	66.52984	161.44916	18.88746	13.10425	20.18115	2.6E-09	1.84E-06	2.3E-07	8.01E-13	2.42E-12	1.91E-12	9.73E-16	2.35E-14	1.3E-15	2.57634E-14	3.245E-12	1.8389E-06	2.29898E-07	8.19247E-13	3.93239E-15	4.08912E-13	6.5426E-16
733	570830.6	4178839	0.55, 41788	0.26766	0.30497	0.26524	136.3658	90.38201	203.70222	17.19519	14.05196	26.51864	3.02E-09	2.32E-06	3.02E-07	9.32E-13	2.82E-12	2.22E-12	1.13E-15	2.73E-14	1.51E-15	2.99916E-14	3.777E-12	2.3202E-06	3.0207E-07	9.53702E-13	4.57777E-15	4.76023E-13	7.61637E-16
734	570870.6	4178839	0.55, 41788	0.28248	0.32215	0.27934	145.76117	97.26265	213.43334	18.22015	15.13016	26.67917	3.18E-09	2.43E-06	3.04E-07	9.82E-13	2.97E-12	2.34E-12	1.19E-15	2.88E-14	1.59E-15	3.1586E-14	3.978E-12	2.4311E-06	3.03901E-07	1.0044E-12	4.82112E-15	5.01329E-13	8.02126E-16
735	570910.6	4178839	0.55, 41788	0.28799	0.33135	0.25629	130.6935	87.1686	210.24612	16.33669	13.50967	26.28077	2.92E-09	2.39E-06	2.99E-07	9.01E-13	2.72E-12	2.15E-12	1.09E-15	2.64E-14	1.46E-15	2.89807E-14	3.65E-12	2.3947E-06	2.99358E-07	9.21556E-13	4.42347E-15	4.59978E-13	7.35965E-16
736	570950.6	4178839	0.55, 41788	0.28758	0.33724	0.25781	143.26415	81.64199	232.33178	17.90802	13.93242	29.04147	2.94E-09	2.65E-06	3.31E-07	9.06E-13	2.74E-12	2.16E-12	1.1E-15	2.66E-14	1.47E-15	2.91527E-14	3.671E-12	2.6463E-06	3.30804E-07	9.27025E-13	4.44972E-15	4.62708E-13	7.40333E-16
737	570990.6	4178839	0.55, 41788	0.28844	0.33412	0.27084	115.42228	74.82901	134.90402	15.11344	13.01217	21.06919	3.09E-09	1.54E-06	2.4E-07	9.52E-13	2.87E-12	2.27E-12	1.16E-15	2.79E-14	1.54E-15	3.06255E-14	3.857E-12	1.5366E-06	2.4E-07	9.73859E-13	4.67452E-15	4.86084E-13	7.77734E-16
738	571030.6	4178839	0.55, 41788	0.29049	0.32848	0.28015	122.60648	67.85889	167.69329	20.43441	11.21527	20.96166	3.19E-09	1.91E-06	2.39E-07	9.85E-13	2.97E-12	2.35E-12	1.2E-15	2.89E-14	1.59E-15	3.16778E-14	3.989E-12	1.9101E-06	2.38792E-07	1.00732E-12	4.83513E-15	5.02785E-13	8.04456E-16
739	571070.6	4178839	0.55, 41788	0.28682	0.32211	0.27916	145.80556	62.69899	194.95005	22.09774	10.44682	32.49167	3.18E-09	2.22E-06	3.7E-07	9.81E-13	2.96E-12	2.34E-12	1.19E-15	2.88E-14	1.59E-15	3.15657E-14	3.975E-12	2.2205E-06	3.70111E-07	1.00375E-12	4.81802E-15	5.01006E-13	8.01609E-16
740	571110.6	4178839	0.55, 41788	0.272	0.3104	0.2597	131.09883	59.8466	180.45962	17.36249	9.97443	23.15348	2.96E-09	2.06E-06	2.64E-07	9.13E-13	2.76E-12	2.18E-12	1.11E-15	2.68E-14	1.48E-15	2.93656E-14	3.698E-12	2.0554E-06	2.63745E-07	9.33793E-13	4.48221E-15	4.66086E-13	7.45738E-16
741	571150.6	4178839	0.55, 41788	0.26	0.30055	0.24148	99.99815	55.57889	134.60776	12.49977	9.26315	16.82597	2.75E-09	1.53E-06	1.92E-07	8.49E-13	2.56E-12	2.02E-12	1.03E-15	2.49E-14	1.37E-15	2.73057E-14	3.439E-12	1.5332E-06	1.91667E-07	8.68292E-13	4.1678E-15	4.33392E-13	6.93427E-16
742	571190.6	4178839	0.55, 41788	0.2552	0.29099	0.23588	127.82601	53.11626	132.48794	15.97966	8.85271	16.56099	2.69E-09	1.51E-06	1.89E-07	8.29E-13	2.5E-12	1.98E-12	1.01E-15	2.43E-14	1.34E-15	2.66724E-14	3.359E-12	1.5091E-06	1.8866E-07	8.48154E-13	4.07114E-15	4.23341E-13	6.77345E-16
743	571230.6	4178839	0.55, 41788	0.25406	0.28009	0.23929	144.46225	51.51588	176.21864	18.06666	8.58598	22.02733	2.73E-09	2.01E-06	2.51E-07	8.41E-13	2.54E-12	2.01E-12	1.02E-15	2.47E-14	1.36E-15	2.70576E-14	3.408E-12	2.0071E-06	2.50922E-07	8.60401E-13	4.12993E-15	4.29454E-13	6.87126E-16
744	571270.6	4178839	0.55, 41788	0.2507	0.26766	0.24251	121.82335	49.56018	161.92313	15.26733	8.26003	20.24326	2.76E-09	1.84E-06	2.31E-07	8.53E-13	2.57E-12	2.03E-12	1.04E-15	2.5E-14	1.38E-15	2.74212E-14	3.453E-12	1.8443E-06	2.30594E-07	8.71964E-13	4.18543E-15	4.35225E-13	6.9636E-16
745	571310.6	4178839	0.55, 41788	0.24184	0.25433	0.23951	103.21026	44.65355	122.05645	14.74432	7.58702	17.43664	2.73E-09	1.39E-06	1.99E-07	8.42E-13	2.54E-12	2.01E-12	1.02E-15	2.47E-14	1.36E-15	2.70817E-14	3.411E-12	1.3902E-06	1.98629E-07	8.61168E-13	4.13361E-15	4.29836E-13	6.87738E-16
746	571350.6	4178839	0.55, 41788	0.22797	0.24079	0.22797	99.0464	44.12829	113.73434	14.35742	7.39344	18.63488	2.6E-09	1.3E-06	2.12E-07	8.01E-13	2.42E-12	1.91E-12	9.73E-16	2.35E-14	1.3E-15	2.57768E-14	3.246E-12	1.2955E-06	2.12274E-07	8.19674E-13	3.93443E-15	4.09125E-13	6.54601E-16
747	571390.6	4178839	0.55, 41788	0.21103	0.22733	0.21036	102.76287	42.76623	112.22851	13.91866	7.25999	15.15441	2.4E-09	1.28E-06	1.73E-07	7.4E-13	2.23E-12	1.76E-12	8.98E-16	2.17E-14	1.2E-15	2.37857E-14	2.996E-12	1.2783E-06	1.72634E-07	7.56361E-13	3.63053E-15	3.77524E-13	6.04038E-16
748	571430.6	4178839	0.55, 41788	0.19469	0.21494	0.19186	96.70075	41.37793	118.14409	13.13698	7.12068	15.87157	2.19E-09	1.35E-06	1.81E-07	6.74E-13	2.04E-12	1.61E-12	8.19E-16	1.98E-14	1.09E-15	2.16941E-14	2.732E-12	1.3457E-06	1.80799E-07	6.8985E-13	3.31128E-15	3.44326E-13	5.50922E-16
749	571470.6	4178839	0.55, 41788	0.18137	0.20392	0.17665	77.02264	40.18933	97.95965	10.5662	6.94319	13.29535	2.01E-09	1.12E-06	1.51E-07	6.21E-13	1.88E-12	1.48E-12	7.54E-16	1.82E-14	1.01E-15	1.99745E-14	2.516E-12	1.1158E-06	1.51451E-07	6.35167E-13	3.0488E-15	3.17032E-13	5.07251E-16
750	571510.6	4178839	0.55, 41788	0.17253	0.19446	0.16733	52.60803	39.21497	67.39367	7.34906	6.67327	9.32595	1.91E-09	7.68E-07	1.06E-07	5.88E-13	1.78E-12	1.4E-12	7.14E-16	1.73E-14	9.52E-16	1.89207E-14	2.383E-12	7.6766E-07	1.06235E-07	6.01657E-13	2.88795E-15	3.00306E-13	4.8049E-16
751	571550.6	4178839	0.55, 41788	0.16797	0.18619	0.16347	68.59481	38.25365	67.50423	9.65516	6.29212	9.48561	1.86E-09	7.69E-07	1.08E-07	5.75E-13	1.74E-12	1.37E-12	6.98E-16	1.69E-14	9.3E-16	1.84841E-14	2.328E-12	7.6892E-07	1.0806E-07	5.87774E-13	2.82132E-15	2.93377E-13	4.69403E-16
752	571590.6	4178839	0.55, 41788	0.16271	0.17607	0.15959	86.9293	37.04871	99.01478	11.93163	5.86384	13.49632	1.82E-09	1.13E-06	1.54E-07	5.61E-13	1.69E-12	1.34E-12	6.81E-16	1.65E-14	9.08E-16	1.80452E-14	2.273E-12	1.1278E-06	1.53744E-07	5.73818E-13	2.75433E-15	2.86411E-13	4.58258E-16
753	570839.2	4178446	9.17, 41784	74.46739	6.86955	3.72049	1115.31188	246.53605	1658.95445	545.24687	92.47095	232.89196	4.24E-08	1.89E-05	2.65E-06	1.31E-11	3.95E-11	3.12E-11	1.59E-14	3.84E-13	2.12E-14	4.20983E-13	5.302E-11	1.8895E-05	2.65407E-06	1.33868E-11	6.42567E-14	6.68179E-12	1.06909E-14
754	570839.2	4178486	9.17, 41784	72.70489	8.35312	4.22209	2611.28562	240.43522	1473.87155	1286.82968	90.10385	245.64526	4.81E-08	1.68E-05	2.8E-06	1.49E-11	4.48E-11	3.54E-11	1.8E-14	4.36E-13	2.4E-14	4.77719E-13	6.016E-11	1.6787E-05	2.80163E-06	1.5191E-11	7.29166E-14	7.58229E-12	1.21317E-14
755	570879.2	4178406	9.17, 41784	9.26791	12.09581	2.86973	654.37651	281.54322	1652.24347	174.87233	99.71055	250.6883	3.27E-08	1.88E-05	2.86E-06	1.01E-11	3.05E-11	2.41E-11	1.23E-14	2.96E-13	1.63E-14	3.24756E-13	4.09E-11	1.8818E-05	2.85559E-06	1.03269E-11	4.95691E-14	5.15448E-12	8.24717E-15
756	570879.2	4178446	9.17, 41784	110.98197	13.33715	11.62742	3333.88644	260.53475	3586.87714	1717.50318	91.01179	770.8732	1.32E-07	4.09E-05	8.78E-06	4.09E-11	1.23E-10	9.75E-11	4.96E-14	1.2E-12	6.62E-14	1.31506E-12	1.656E-10	4.0852E-05	8.7847E-06	4.18176E-11	2.00725E-13	2.08725E-11	3.3396E-14
757	570879.2	4178486	9.17, 41784	18.42358	13.79846	20.70311	473.0449	246.35325	4578.74855	141.68031	100.88031	655.29094	2.36E-07	5.21E-05	7.46E-06	7.28E-11	2.2E-10	1.74E-10	8.84E-14	2.13E-12	1.18E-13	2.34069E-12	2.948E-10	5.2147E-05	7.46343E-06	7.44314E-11	3.5727E-13	3.71511E-11	5.94417E-14
758	570879.2	4178526	9.17, 41785	94.91809	17.71904	9.02777	3340.71117	271.69492	2014.80922	1490.9797	113.49448	441.47053	1.03E-07	2.29E-05	5.03E-06	3.18E-11	9.59E-11	7.57E-11	3.86E-14	9.31E-13	5.14E-14	1.02128E-12	1.286E-10	2.2948E-05	5.03249E-06	3.24755E-11	1.55882E-13	1.62096E-11	2.59353E-14
759	570879.2	4178566	9.17, 41785	6.34056	7.84517	3.48916	517.57011	248.69096	1100.96831	138.67192	92.32789	171.27972	3.98E-08	1.25E-05	1.95E-06	1.23E-11	3.7E-11	2.93E-11	1.49E-14	3.6E-13	1.99E-14	3.94648E-13	4.97E-11	1.254E-05	1.95116E-06	1.25494E-11	6.0237E-14	6.26379E-12	1.00221E-14
760	570919.2	4178366	9.17, 41783	2.36921	8.89638	1.45024	279.82249	231.14799	970.86833	50.20448	85.64726	145.20587	1.65E-08	1.11E-05	1.65E-06	5.1E-12	1.54E-11	1.22E-11	6.2E-15	1.5E-13	8.26E-15	1.64188E-13	2.068E-11	1.1058E-05	1.65388E-06	5.22101E-12	2.50608E-14	2.60597E-12	4.16956E-15
761	570919.2	4178406	9.17, 41784	7.16288	18.51893	2.95623	387.12304	281.06153	1814.51514	102.96605	123.97591	301.78328	3.37E-08	2.07E-05	3.44E-06	1.04E-11	3.14E-11	2.48E-11	1.26E-14	3.05E-13	1.68E-14	3.34706E-13	4.215E-11	2.0666E-05	3.43728E-06	1.06433E-11	5.10878E-14	5.31241E-12	8.49986E-15
762	570919.2	4178446	9.17, 41784	30.90779	15.96768	15.85005	761.46723	266.85593	6280.62092	290.35951	97.37786	1155.63511	1.81E-07	7.15E-05	1.32E-05	5.57E-11	1.68E-10	1.33E-10	6.77E-14	1.63E-12	9.02E-14	1.79221E-12	2.257E-10	7.153E-05	1.31622E-05	5.69902E-11	2.73553E-13	2.84456E-11	4.5513E-14
763	570919.2	4178486	9.17, 41784	29.57453	18.16179	468.02027	992.62163	281.14129	31654.24271	425.98322	121.6397	9353.86757	5.33E-06	0.000361	0.000107	1.64E-09	4.97E-09	3.92E-09	2E-12	4.82E-11	2.66E-12	5.29048E-11	6.663E-09	0.00036051	0.000106531	1.68232E-09	8.07512E-12	8.39698E-10	1.34352E-12
764	570919.2	4178526	9.17, 41785	19.47257	21.77306	15.13476	427.44744	357.8357	3633.422	126.47105	151.21701	760.0028	1.72E-07	4.14E-05	8.66E-06	5.32E-11	1.61E-10	1.27E-10	6.46E-14	1.56E-12	8.62E-14	1.71148E-12	2.155E-10	4.1382E-05	8.65593E-06	5.44231E-11	2.61231E-13	2.71643E-11	4.34629E-14
765	570919.2	4178566	9.17, 41785	68.70701	17.81326	4.44491	3547.24462	326.79695	1605.72558	1121.59815	123.62419	257.53275	5.07E-08	1.83E-05	2.94E-06	1.56E-11	4.72E-11	3.73E-11	1.9E-14	4.59E-13	2.53E-14	5.03158E-13	6.337E-11	1.8289E-05	2.9365E-06	1.59999E-11	7.67994E-14	7.98605E-12	1.27777E-14
766	570959.2	4178326	9.17, 41783	2.08146	12.83514	1.34475	279.67021	252.56813	633.18912	42.32993	97.81035	79.64117	1.54E-08	7.21E-06	9.07E-07	4.74E-12	1.43E-11	1.13E-11	5.75E-15	1.39E-13	7.67E-15	1.52373E-13	1.919E-11	7.2121E-06	9.07151E-07	4.84529E-12	2.32574E-14	2.41844E-12	3.8695E-15
767	570959.2	4178366	9.17, 41783	2.97969	11.80225	1.85212	241.09871	252.07126	954.07883	42.48046	78.75938	136.29698	2.11E-08	1.09E-05	1.55E-06	6.52E-12	1.97E-11	1.55E-11	7.92E-15	1.91E-13	1.06E-14	2.09699E-13	2.641E-11	1.0867E-05	1.55239E-06	6.6682E-12	3.20074E-14	3.32831E-12	5.3253E-15
768	570959.2	4178406	9.17, 41784	5.48321	18.00699	4.34111	312.89849	292.26242	1429.75284	67.10795	111.57482	238.11199	4.95E-08	1.63E-05	2.71E-06	1.53E-11	4.61E-11	3.64E-11	1.85E-14	4.48E-13	2.47E-14	4.91231E-13	6.187E-11	1.6284E-05	2.71202E-06	1.56206E-11	7.4979E-14	7.79675E-12	1.24748E-14
769	570959.2	4178446	9.17, 41784	13.2141	15.9724	27.93872	471.07205	258.82785	2485.7483	129.31081	100.45092	486.63208	3.18E-07	2.83E-05	5.54E-06	9.82E-11	2.97E-10	2.34E-10	1.19E-13	2.88E-12	1.59E-13	3.15863E-12	3.978E-10	2.8311E-05	5.54257E-06	1.00441E-10	4.82117E-13	5.01334E-11	8.02134E-14
770	570959.2	4178486	9.17, 41784	61.20406	15.71053	62.85492	1330.20017	250.50131	2800.83581	539.4281	101.77571	895.66291	7.16E-07	3.19E-05	1.02E-05	2.21E-10	6.67E-10	5.27E-10	2.68E-13	6.48E-12	3.58E-13	7.10565E-12	8.949E-10	3.1899E-05	1.02022E-05	2.25952E-10	1.08457E-12	1.1278E-10	1.80448E-13
771	570959.2	4178526	9.17, 41785	233.18259	14.04006	12.98457	3491.90215	258.73899	2789.84609	1687.05022	110.68808	397.86928	1.48E-07	3.18E-05	4.54E-06	4.57E-11	1.38E-10	1.09E-10	5.55E-14	1.34E-12	7.39E-14	1.46888E-12	1.85E-10	3.1775E-05	4.53653E-06	4.67087E-11	2.24202E-13	2.33138E-11	3.73021E-14
772	570999.2	4178286	9.17, 41782	4.82709	7.01905	1.81527	541.05323	230.67805	782.52024	117.6944	82.70868	130.42004	2.07E-08	8.91E-06	1.49E-06	6.39E-12	1.93E-11	1.52E-11	7.75E-15	1.87E-13	1.03E-14	2.05406E-13	2.587E-11	8.9128E-06	1.4857E-06	6.53169E-12	3.13521E-14	3.26017E-12	5.21628E-15

773	570999.2	4178326	9.17, 41783	3.49216	17.23511	2.06149	334.8047	281.26172	702.77079	73.88295	121.01705	110.07877	2.35E-08	8E-06	1.25E-06	7.26E-12	2.19E-11	1.73E-11	8.82E-15	2.13E-13	1.18E-14	2.33519E-13	2.941E-11	8.0046E-06	1.2539E-06	7.42565E-12	3.56431E-14	3.70638E-12	5.93021E-15
774	570999.2	4178366	9.17, 41783	3.49499	15.86199	2.88936	258.09779	262.50756	719.40934	51.99585	99.38677	89.92617	3.3E-08	8.19E-06	1.02E-06	1.02E-11	3.07E-11	2.43E-11	1.23E-14	2.98E-13	1.65E-14	3.27062E-13	4.119E-11	8.194E-06	1.02432E-06	1.04002E-11	4.9921E-14	5.19108E-12	8.30572E-15
775	570999.2	4178406	9.17, 41784	4.67229	14.08019	6.50261	269.25985	258.20089	888.73579	48.54927	90.52886	138.83889	7.41E-08	1.01E-05	1.58E-06	2.29E-11	6.9E-11	5.45E-11	2.78E-14	6.71E-13	3.7E-14	7.35452E-13	9.262E-11	1.0122E-05	1.58136E-06	2.33866E-11	1.12256E-13	1.1673E-11	1.86768E-14
776	570999.2	4178446	9.17, 41784	8.21208	17.59623	13.45709	365.10896	254.50285	1091.31402	80.87758	113.65243	185.77432	1.53E-07	1.24E-05	2.12E-06	4.73E-11	1.43E-10	1.13E-10	5.74E-14	1.39E-12	7.66E-14	1.52168E-12	1.916E-10	1.243E-05	2.116E-06	4.83879E-11	2.32262E-13	2.41519E-11	3.86431E-14
777	570999.2	4178486	9.17, 41784	18.06608	14.21786	20.31738	585.19163	263.25351	1140.06137	156.20535	101.07997	297.24229	2.31E-07	1.3E-05	3.39E-06	7.14E-11	2.16E-10	1.7E-10	8.67E-14	2.09E-12	1.16E-13	2.2971E-12	2.893E-10	1.2985E-05	3.38573E-06	7.30452E-11	3.50617E-13	3.64592E-11	5.83347E-14
778	571039.2	4178246	9.17, 41782	16.91212	6.90765	2.82369	857.31055	271.11205	1316.76682	274.95229	93.64332	189.48612	3.22E-08	1.5E-05	2.16E-06	9.93E-12	3E-11	2.37E-11	1.21E-14	2.91E-13	1.61E-14	3.19431E-13	4.023E-11	1.4997E-05	2.15888E-06	1.01576E-11	4.87563E-14	5.06996E-12	8.11194E-15
779	571039.2	4178286	9.17, 41782	28.85834	15.10006	3.68614	1240.055	260.3069	1323.38037	549.80999	92.85324	215.01085	4.2E-08	1.51E-05	2.45E-06	1.3E-11	3.92E-11	3.09E-11	1.57E-14	3.8E-13	2.1E-14	4.17187E-13	5.254E-11	1.5073E-05	2.45044E-06	1.32661E-11	6.36772E-14	6.62153E-12	1.05944E-14
780	571039.2	4178326	9.17, 41783	6.67676	17.1171	4.10991	443.85334	276.43557	1246.54946	131.23026	111.87763	155.81868	4.69E-08	1.42E-05	1.78E-06	1.45E-11	4.37E-11	3.45E-11	1.76E-14	4.24E-13	2.34E-14	4.65076E-13	5.857E-11	1.4198E-05	1.775E-06	1.47889E-11	7.09867E-14	7.38162E-12	1.18106E-14
781	571039.2	4178366	9.17, 41783	4.40971	16.57374	4.87433	310.01939	259.88486	992.68074	73.97776	106.04392	160.75052	5.56E-08	1.13E-05	1.83E-06	1.71E-11	5.18E-11	4.09E-11	2.08E-14	5.03E-13	2.78E-14	5.51462E-13	6.945E-11	1.1306E-05	1.83099E-06	1.75359E-11	8.41723E-14	8.75273E-12	1.40044E-14
782	571039.2	4178406	9.17, 41784	4.40492	15.47088	6.2465	249.62047	251.60574	625.26496	54.55389	95.67705	86.62547	7.12E-08	7.12E-06	9.87E-07	2.2E-11	6.63E-11	5.24E-11	2.67E-14	6.44E-13	3.56E-14	7.06539E-13	8.898E-11	7.1218E-06	9.86732E-07	2.24672E-11	1.07842E-13	1.12141E-11	1.79425E-14
783	571039.2	4178446	9.17, 41784	6.02235	17.33371	7.45895	271.18693	258.43077	565.95619	53.34538	113.33058	91.15286	8.5E-08	6.45E-06	1.04E-06	2.62E-11	7.92E-11	6.26E-11	3.18E-14	7.69E-13	4.25E-14	8.4365E-13	1.062E-10	6.4464E-06	1.03829E-06	2.68271E-11	1.2877E-13	1.33903E-11	2.14245E-14
784	571079.2	4178246	9.17, 41782	26.90238	12.76385	4.78342	686.22219	257.40547	1959.72628	294.80616	92.56412	417.67679	5.45E-08	2.23E-05	4.76E-06	1.68E-11	5.08E-11	4.01E-11	2.04E-14	4.93E-13	2.72E-14	5.4115E-13	6.815E-11	2.232E-05	4.75777E-06	1.7208E-11	8.25984E-14	8.58906E-12	1.37425E-14
785	571079.2	4178286	9.17, 41782	49.90964	15.92317	13.80121	957.6563	283.49226	4117.74908	414.11972	108.09945	689.22522	1.57E-07	4.69E-05	7.85E-06	4.85E-11	1.47E-10	1.16E-10	5.89E-14	1.42E-12	7.86E-14	1.56067E-12	1.965E-10	4.6897E-05	7.85075E-06	4.96275E-11	2.38212E-13	2.47707E-11	3.96331E-14
786	571079.2	4178326	9.17, 41783	16.67986	14.36437	14.4793	793.60016	243.70787	3077.685	313.14105	91.11491	664.711	1.65E-07	3.51E-05	7.57E-06	5.09E-11	1.54E-10	1.21E-10	6.18E-14	1.49E-12	8.24E-14	1.63717E-12	2.062E-10	3.5052E-05	7.57125E-06	5.20602E-11	2.49889E-13	2.59849E-11	4.15759E-14
787	571079.2	4178366	9.17, 41783	6.18218	17.09307	7.0902	419.38901	255.0076	1488.27193	110.95083	108.56867	287.95219	8.08E-08	1.7E-05	3.28E-06	2.49E-11	7.53E-11	5.95E-11	3.03E-14	7.31E-13	4.04E-14	8.01961E-13	1.01E-10	1.6951E-05	3.27978E-06	2.55015E-11	1.22407E-13	1.27286E-11	2.03658E-14
788	571079.2	4178406	9.17, 41784	4.42977	14.91	5.35349	310.20505	209.99469	815.89349	72.09993	91.11305	117.58287	6.1E-08	9.29E-06	1.34E-06	1.88E-11	5.68E-11	4.49E-11	2.29E-14	5.52E-13	3.05E-14	6.05579E-13	7.627E-11	9.2927E-06	1.33936E-06	1.92568E-11	9.24325E-14	9.61167E-12	1.53787E-14
789	571119.2	4178286	9.17, 41782	25.0824	15.07438	138.00946	507.91812	256.39153	16734.57469	211.8106	106.96205	4271.60103	1.57E-06	0.000191	4.86E-05	4.85E-10	1.46E-09	1.16E-09	5.89E-13	1.42E-11	7.85E-13	1.56009E-11	1.965E-09	0.00019059	4.86491E-05	4.96091E-10	2.38123E-12	2.47615E-10	3.96183E-13
790	571119.2	4178326	9.17, 41783	197.49067	14.51391	52.98238	3348.29445	230.6601	7805.71053	1622.72219	95.52079	2122.69744	6.04E-07	8.89E-05	2.42E-05	1.86E-10	5.62E-10	4.44E-10	2.26E-13	5.46E-12	3.02E-13	5.99007E-12	7.544E-10	8.89E-05	2.41801E-05	1.90478E-10	9.14293E-13	9.50735E-11	1.52118E-13
791	571119.2	4178366	9.17, 41783	10.01384	12.46582	9.59129	630.48898	206.62645	2115.5821	198.58486	83.22549	424.70779	1.09E-07	2.41E-05	4.84E-06	3.37E-11	1.02E-10	8.04E-11	4.09E-14	9.89E-13	5.46E-14	1.08456E-12	1.366E-10	2.4095E-05	4.83754E-06	3.44879E-11	1.65542E-13	1.7214E-11	2.75424E-14
792	571159.2	4178326	9.17, 41783	219.15803	19.05137	35.48029	3124.9508	277.70648	3646.5914	1560.39264	128.55095	753.34584	4.04E-07	4.15E-05	8.58E-06	1.25E-10	3.77E-10	2.97E-10	1.51E-13	3.66E-12	2.02E-13	4.01185E-12	5.053E-10	4.1532E-05	8.58459E-06	1.27573E-10	6.12348E-13	6.36756E-11	1.01881E-13
793	570808.8	4178465	8.82, 41784	10.95844	3.34212	2.15804	1253.90468	193.66587	956.23037	302.59047	56.7134	159.37173	2.46E-08	1.09E-05	1.82E-06	7.59E-12	2.29E-11	1.81E-11	9.21E-15	2.23E-13	1.23E-14	2.44069E-13	3.074E-11	1.0891E-05	1.816E-06	7.76113E-12	3.72534E-14	3.87383E-12	6.19812E-15
794	570823.9	4178530	3.91, 41785	3.05561	3.25593	2.40542	358.64643	197.99385	1108.94733	70.39413	63.38636	140.39269	2.74E-08	1.26E-05	1.6E-06	8.46E-12	2.55E-11	2.02E-11	1.03E-14	2.48E-13	1.37E-14	2.72005E-13	3.426E-11	1.263E-05	1.59913E-06	8.64947E-12	4.15174E-14	4.31723E-12	6.90756E-15
795	570883.3	4178602	3.31, 41786	3.07425	4.49746	2.05933	479.66242	287.53386	914.81532	94.76169	103.00469	119.05382	2.35E-08	1.04E-05	1.36E-06	7.24E-12	2.19E-11	1.73E-11	8.79E-15	2.12E-13	1.17E-14	2.32918E-13	2.933E-11	1.042E-05	1.35618E-06	7.40655E-12	3.55514E-14	3.69685E-12	5.91495E-15
796	571181.5	4178310	1.45, 41783	77.30582	13.12592	35.80897	2585.53888	242.23364	1672.90767	872.95261	114.20023	513.62427	4.08E-07	1.91E-05	5.85E-06	1.26E-10	3.8E-10	3E-10	1.53E-13	3.69E-12	2.04E-13	4.0484E-12	5.099E-10	1.9054E-05	5.8523E-06	1.28735E-10	6.17926E-13	6.42556E-11	1.02809E-13
797	571067.8	4178207	7.83, 41782	5.36607	4.9243	1.64986	895.65181	299.02694	904.65641	223.56067	96.05921	144.20823	1.88E-08	1.03E-05	1.64E-06	5.8E-12	1.75E-11	1.38E-11	7.05E-15	1.7E-13	9.4E-15	1.86652E-13	2.351E-11	1.0304E-05	1.64306E-06	5.93532E-12	2.84895E-14	2.96251E-12	4.74001E-15
798	570799.9	4178447	9.89, 41784	4.88888	2.78293	1.75814	732.83791	152.28075	768.58836	142.77112	52.0733	124.31973	2E-08	8.75E-06	1.42E-06	6.18E-12	1.87E-11	1.47E-11	7.51E-15	1.81E-13	1E-14	1.9883E-13	2.504E-11	8.754E-06	1.4163E-06	6.32259E-12	3.03484E-14	3.1558E-12	5.04929E-15

	Trenching	Grading	Stockpile
Emissions Rate (g/s):	9.28E-13	8.24E-12	3.34E-08

				Concentration [µg/m^3] at 1 g/s									Concentration (µg/m^3)			Unmitigated							Unmitigated			Student		Worker	
													Unmitigated			Residential Dose			Risk by Age Group				Unmitigated			Unmitigated		Unmitigated	
#	X	Y	X,Y	Trenching Period	Grading Period	Stockpile Period	Treching 1hr	Grading 1hr	Stockpile 1hr	Trenching 8hr	Grading 8hr	Stockpile 8hr	Period Tota	1hr Total	8hr Total	3rd	0<2	2<9	3rd	0<2	2<9	Total Risk	Chronic	Acute	8hr	Dose	Risk	Dose	Risk
1	570310.6	4177919	0.55, 41779	0.08215	0.06425	0.08047	53.98877	25.74637	57.86027	6.7486	3.78109	7.23253	2.69E-09	1.93E-06	2.42E-07	8.3E-13	2.51E-12	1.98E-12	2.52E-14	6.09E-13	3.36E-14	6.67354E-13	5.379E-10	1.9336E-06	2.41735E-07	8.48846E-13	1.01862E-13	4.23686E-13	1.69474E-14
2	570350.6	4177919	0.55, 41779	0.08744	0.06946	0.0859	61.34869	26.43683	62.74615	7.66859	3.66465	7.84327	2.87E-09	2.1E-06	2.62E-07	8.86E-13	2.67E-12	2.11E-12	2.69E-14	6.5E-13	3.59E-14	7.12388E-13	5.742E-10	2.0969E-06	2.62151E-07	9.06127E-13	1.08735E-13	4.52277E-13	1.80911E-14
3	570390.6	4177919	0.55, 41779	0.09273	0.07514	0.09126	67.57642	27.23616	68.95787	8.44705	3.80844	8.61973	3.05E-09	2.3E-06	2.88E-07	9.41E-13	2.84E-12	2.24E-12	2.86E-14	6.9E-13	3.81E-14	7.56843E-13	6.1E-10	2.3045E-06	2.88103E-07	9.62671E-13	1.15521E-13	4.805E-13	1.922E-14
4	570430.6	4177919	0.55, 41779	0.09799	0.08123	0.09661	71.34976	28.07066	72.35504	8.91872	4.01428	9.04438	3.23E-09	2.42E-06	3.02E-07	9.96E-13	3.01E-12	2.38E-12	3.02E-14	7.31E-13	4.03E-14	8.01215E-13	6.458E-10	2.418E-06	3.02297E-07	1.01911E-12	1.22293E-13	5.08671E-13	2.03468E-14
5	570470.6	4177919	0.55, 41779	0.10292	0.08757	0.10182	71.34124	28.88227	71.18869	8.91766	4.18506	8.89859	3.4E-09	2.38E-06	2.97E-07	1.05E-12	3.17E-12	2.5E-12	3.19E-14	7.7E-13	4.25E-14	8.44427E-13	6.806E-10	2.3791E-06	2.97425E-07	1.07407E-12	1.28889E-13	5.36105E-13	2.14442E-14
6	570510.6	4177919	0.55, 41779	0.10719	0.09397	0.10631	70.57748	29.51269	72.86498	8.82218	4.31581	9.10812	3.55E-09	2.44E-06	3.04E-07	1.1E-12	3.31E-12	2.62E-12	3.33E-14	8.04E-13	4.44E-14	8.81669E-13	7.106E-10	2.4351E-06	3.04426E-07	1.12145E-12	1.34573E-13	5.59749E-13	2.239E-14
7	570550.6	4177919	0.55, 41779	0.11095	0.10041	0.10942	80.02506	30.00614	83.29269	10.00313	4.88273	10.41159	3.66E-09	2.78E-06	3.48E-07	1.13E-12	3.41E-12	2.69E-12	3.43E-14	8.28E-13	4.57E-14	9.07469E-13	7.314E-10	2.7835E-06	3.47992E-07	1.15426E-12	1.38511E-13	5.76129E-13	2.30452E-14
8	570590.6	4177919	0.55, 41779	0.11537	0.10684	0.11183	81.14556	31.22548	84.40479	10.14319	5.49199	10.5506	3.74E-09	2.82E-06	3.53E-07	1.15E-12	3.48E-12	2.75E-12	3.5E-14	8.46E-13	4.67E-14	9.27466E-13	7.476E-10	2.8207E-06	3.52638E-07	1.1797E-12	1.41564E-13	5.88824E-13	2.3553E-14
9	570630.6	4177919	0.55, 41779	0.12154	0.11343	0.11602	82.02682	32.76834	84.97635	10.54682	6.07261	10.62204	3.88E-09	2.84E-06	3.55E-07	1.2E-12	3.61E-12	2.85E-12	3.63E-14	8.77E-13	4.84E-14	9.62221E-13	7.756E-10	2.8398E-06	3.55029E-07	1.2239E-12	1.46868E-13	6.1089E-13	2.44356E-14
10	570670.6	4177919	0.55, 41779	0.12896	0.11974	0.12346	90.28793	34.09351	94.2666	12.11861	6.60764	13.84836	4.13E-09	3.15E-06	4.63E-07	1.27E-12	3.84E-12	3.04E-12	3.87E-14	9.34E-13	5.15E-14	1.02392E-12	8.253E-10	3.1503E-06	4.6285E-07	1.30239E-12	1.56286E-13	6.50063E-13	2.60025E-14
11	570710.6	4177919	0.55, 41779	0.13589	0.12543	0.13131	92.03158	38.34133	98.54944	11.50395	7.03486	13.72911	4.39E-09	3.29E-06	4.59E-07	1.35E-12	4.09E-12	3.23E-12	4.11E-14	9.93E-13	5.48E-14	1.08902E-12	8.778E-10	3.2934E-06	4.58859E-07	1.38519E-12	1.66223E-13	6.91393E-13	2.76557E-14
12	570750.6	4177919	0.55, 41779	0.14097	0.13029	0.13561	98.93292	42.68075	106.54938	12.36662	7.25038	14.15663	4.53E-09	3.56E-06	4.73E-07	1.4E-12	4.22E-12	3.34E-12	4.25E-14	1.03E-12	5.66E-14	1.12469E-12	9.065E-10	3.5608E-06	4.73153E-07	1.43055E-12	1.71666E-13	7.14035E-13	2.85614E-14
13	570790.6	4177919	0.55, 41779	0.1434	0.13429	0.137	101.78306	44.96916	112.12821	12.72288	7.16867	14.01603	4.58E-09	3.75E-06	4.68E-07	1.41E-12	4.27E-12	3.37E-12	4.29E-14	1.04E-12	5.72E-14	1.13622E-12	9.158E-10	3.7472E-06	4.68458E-07	1.44522E-12	1.73427E-13	7.21358E-13	2.88543E-14
14	570830.6	4177919	0.55, 41779	0.14249	0.1373	0.1371	103.05806	46.92439	113.14313	12.88226	6.63254	14.14289	4.58E-09	3.78E-06	4.73E-07	1.41E-12	4.27E-12	3.37E-12	4.29E-14	1.04E-12	5.72E-14	1.13706E-12	9.165E-10	3.7811E-06	4.72698E-07	1.44629E-12	1.73554E-13	7.21888E-13	2.88755E-14
15	570870.6	4177919	0.55, 41779	0.13915	0.13926	0.13269	113.81753	49.41272	127.10432	14.22719	6.17659	15.88804	4.44E-09	4.25E-06	5.31E-07	1.37E-12	4.13E-12	3.26E-12	4.15E-14	1E-12	5.54E-14	1.10049E-12	8.87E-10	4.2477E-06	5.31024E-07	1.39978E-12	1.67974E-13	6.98676E-13	2.7947E-14
16	570910.6	4177919	0.55, 41779	0.13537	0.14116	0.12571	103.09741	52.00284	118.27061	16.13684	6.50036	14.78383	4.2E-09	3.95E-06	4.94E-07	1.3E-12	3.91E-12	3.09E-12	3.94E-14	9.51E-13	5.25E-14	1.04262E-12	8.404E-10	3.9525E-06	4.94145E-07	1.32617E-12	1.59141E-13	6.61935E-13	2.64774E-14
17	570950.6	4177919	0.55, 41779	0.13129	0.14261	0.12523	128.63222	54.75687	154.09416	19.7206	7.6051	23.34348	4.19E-09	5.15E-06	7.8E-07	1.29E-12	3.9E-12	3.08E-12	3.92E-14	9.47E-13	5.23E-14	1.03865E-12	8.372E-10	5.1496E-06	7.80196E-07	1.32111E-12	1.58534E-13	6.5941E-13	2.63764E-14
18	570990.6	4177919	0.55, 41779	0.12715	0.1442	0.12572	126.51514	58.01026	163.29109	18.07359	9.36612	23.3273	4.2E-09	5.46E-06	7.8E-07	1.3E-12	3.92E-12	3.09E-12	3.94E-14	9.51E-13	5.25E-14	1.04271E-12	8.404E-10	5.4569E-06	7.7964E-07	1.32628E-12	1.59154E-13	6.61991E-13	2.64796E-14
19	571030.6	4177919	0.55, 41779	0.12254	0.14609	0.11762	125.39004	62.99788	174.41478	17.19472	10.49965	21.80185	3.93E-09	5.83E-06	7.29E-07	1.21E-12	3.66E-12	2.89E-12	3.68E-14	8.9E-13	4.91E-14	9.75554E-13	7.863E-10	5.8287E-06	7.2866E-07	1.24086E-12	1.48904E-13	6.19354E-13	2.47742E-14
20	571070.6	4177919	0.55, 41779	0.1201	0.14847	0.1104	126.80092	67.58831	177.9713	16.22667	10.87469	22.24641	3.69E-09	5.95E-06	7.44E-07	1.14E-12	3.44E-12	2.72E-12	3.46E-14	8.35E-13	4.61E-14	9.15695E-13	7.381E-10	5.9475E-06	7.43506E-07	1.16472E-12	1.39767E-13	5.81351E-13	2.32541E-14
21	571110.6	4177919	0.55, 41779	0.1205	0.15044	0.10927	126.62476	68.47754	165.66905	20.2586	9.61445	20.70863	3.65E-09	5.54E-06	6.92E-07	1.13E-12	3.4E-12	2.69E-12	3.42E-14	8.26E-13	4.56E-14	9.0633E-13	7.305E-10	5.5365E-06	6.92158E-07	1.15281E-12	1.38338E-13	5.75406E-13	2.30162E-14
22	571150.6	4177919	0.55, 41779	0.1212	0.15159	0.11602	131.66409	62.22893	172.39569	21.10658	9.19459	24.99313	3.88E-09	5.76E-06	8.35E-07	1.2E-12	3.61E-12	2.85E-12	3.63E-14	8.78E-13	4.84E-14	9.62299E-13	7.756E-10	5.7612E-06	8.35331E-07	1.224E-12	1.4688E-13	6.10939E-13	2.44376E-14
23	571190.6	4177919	0.55, 41779	0.12215	0.15198	0.11825	137.85581	66.48698	180.99172	19.69369	10.25241	26.94632	3.95E-09	6.05E-06	9.01E-07	1.22E-12	3.68E-12	2.91E-12	3.7E-14	8.94E-13	4.94E-14	9.8079E-13	7.905E-10	6.0485E-06	9.00584E-07	1.24752E-12	1.49703E-13	6.22678E-13	2.49071E-14
24	571230.6	4177919	0.55, 41779	0.12354	0.15154	0.11348	148.65332	75.08948	179.38421	21.23619	9.50538	22.42303	3.79E-09	5.99E-06	7.49E-07	1.17E-12	3.53E-12	2.79E-12	3.55E-14	8.58E-13	4.74E-14	9.4124E-13	7.587E-10	5.9948E-06	7.49453E-07	1.19722E-12	1.43666E-13	5.97569E-13	2.39028E-14
25	571270.6	4177919	0.55, 41779	0.12544	0.15047	0.11372	135.01221	73.55453	181.97135	18.66937	9.80753	25.99591	3.8E-09	6.08E-06	8.69E-07	1.17E-12	3.54E-12	2.8E-12	3.56E-14	8.6E-13	4.75E-14	9.43228E-13	7.603E-10	6.0812E-06	8.68817E-07	1.19975E-12	1.43969E-13	5.98831E-13	2.39532E-14
26	571310.6	4177919	0.55, 41779	0.12844	0.14895	0.1185	144.25948	74.57026	160.72945	18.03243	9.63087	20.79832	3.96E-09	5.37E-06	6.95E-07	1.22E-12	3.69E-12	2.92E-12	3.71E-14	8.96E-13	4.95E-14	9.82858E-13	7.922E-10	5.3715E-06	6.95135E-07	1.25015E-12	1.50018E-13	6.23991E-13	2.49597E-14
27	571350.6	4177919	0.55, 41779	0.13264	0.1484	0.12186	134.13439	65.82548	182.86761	16.7668	8.49886	22.85845	4.07E-09	6.11E-06	7.64E-07	1.26E-12	3.8E-12	3E-12	3.82E-14	9.22E-13	5.09E-14	1.01072E-12	8.147E-10	6.1111E-06	7.63962E-07	1.28559E-12	1.54271E-13	6.41678E-13	2.56671E-14
28	571390.6	4177919	0.55, 41779	0.13487	0.1464	0.12015	140.45529	51.40311	177.22554	17.55691	7.98518	22.15319	4.02E-09	5.92E-06	7.4E-07	1.24E-12	3.74E-12	2.96E-12	3.76E-14	9.09E-13	5.02E-14	9.96535E-13	8.032E-10	5.9225E-06	7.40403E-07	1.26755E-12	1.52106E-13	6.32674E-13	2.5307E-14
29	571430.6	4177919	0.55, 41779	0.14548	0.15293	0.12366	139.19794	49.3636	190.22803	17.39974	7.65374	23.7785	4.13E-09	6.36E-06	7.95E-07	1.28E-12	3.85E-12	3.04E-12	3.87E-14	9.35E-13	5.16E-14	1.02565E-12	8.267E-10	6.3569E-06	7.94711E-07	1.30459E-12	1.5655E-13	6.51161E-13	2.60464E-14
30	571470.6	4177919	0.55, 41779	0.15916	0.16179	0.13045	134.87595	45.89373	190.37308	16.85949	6.86379	23.79664	4.36E-09	6.36E-06	7.95E-07	1.35E-12	4.06E-12	3.21E-12	4.08E-14	9.87E-13	5.45E-14	1.08197E-12	8.721E-10	6.3618E-06	7.95312E-07	1.37622E-12	1.65147E-13	6.86917E-13	2.74767E-14
31	571510.6	4177919	0.55, 41779	0.17426	0.17151	0.14116	122.2315	42.4201	161.48029	15.27894	5.85942	20.18504	4.72E-09	5.4E-06	6.75E-07	1.46E-12	4.4E-12	3.47E-12	4.42E-14	1.07E-12	5.89E-14	1.1708E-12	9.437E-10	5.3963E-06	6.74617E-07	1.4892E-12	1.78704E-13	7.43309E-13	2.97323E-14
32	571550.6	4177919	0.55, 41779	0.18787	0.18026	0.15558	112.99449	35.73716	155.78517	14.12431	5.76206	19.47315	5.2E-09	5.21E-06	6.51E-07	1.6E-12	4.85E-12	3.83E-12	4.87E-14	1.18E-12	6.5E-14	1.29038E-12	1.04E-09	5.2059E-06	6.50819E-07	1.64131E-12	1.96957E-13	8.19228E-13	3.27691E-14
33	571590.6	4177919	0.55, 41779	0.19949	0.18751	0.17419	94.68734	29.26563	123.69427	11.83592	5.30509	15.46178	5.82E-09	4.13E-06	5.17E-07	1.8E-12	5.42E-12	4.29E-12	5.45E-14	1.32E-12	7.27E-14	1.4447E-12	1.164E-09	4.1335E-06	5.16759E-07	1.83759E-12	2.20511E-13	9.17202E-13	3.66881E-14
34	570310.6	4177959	0.55, 41779	0.08597	0.06676	0.0838	56.89619	26.25101	62.23098	7.11202	4.18522	7.77887	2.8E-09	2.08E-06	2.6E-07	8.64E-13	2.61E-12	2.06E-12	2.62E-14	6.34E-13	3.5E-14	6.94971E-13	5.602E-10	2.0797E-06	2.59994E-07	8.83973E-13	1.06077E-13	4.41219E-13	1.76488E-14
35	570350.6	4177959	0.55, 41779	0.09204	0.07257	0.08995	58.96006	27.16756	63.77509	7.37001	4.19821	7.97189	3.01E-09	2.13E-06	2.66E-07	9.28E-13	2.8E-12	2.21E-12	2.82E-14	6.8E-13	3.76E-14	7.45976E-13	6.013E-10	2.1313E-06	2.66446E-07	9.48849E-13	1.13862E-13	4.73601E-13	1.8944E-14
36	570390.6	4177959	0.55, 41779	0.09833	0.07904	0.09639	63.0038	28.02201	66.12463	7.87548	4.15896	8.26558	3.22E-09	2.21E-06	2.76E-07	9.94E-13	3E-12	2.37E-12	3.02E-14	7.29E-13	4.02E-14	7.99387E-13	6.443E-10	2.2098E-06	2.76264E-07	1.01679E-12	1.22014E-13	5.0751E-13	2.03004E-14
37	570430.6	4177959	0.55, 41779	0.10461	0.08611	0.10266	70.72142	28.76698	72.80329	8.84018	4.23038	9.10041	3.43E-09	2.43E-06	3.04E-07	1.06E-12	3.2E-12	2.53E-12	3.21E-14	7.76E-13	4.29E-14	8.51389E-13	6.862E-10	2.433E-06	3.04168E-07	1.08293E-12	1.29952E-13	5.40525E-13	2.1621E-14
38	570470.6	4177959	0.55, 41779	0.11098	0.09385	0.10929	78.78718	29.82596	80.74124	9.8484	4.47695	10.09265	3.65E-09	2.7E-06	3.37E-07	1.13E-12	3.4E-12	2.69E-12	3.42E-14	8.27E-13	4.56E-14	9.06378E-13	7.306E-10	2.6983E-06	3.37333E-07	1.15287E-12	1.38345E-13	5.75436E-13	2.30174E-14
39	570510.6	4177959	0.55, 41779	0.1169	0.10189	0.11567	83.26174	30.87615	84.48278	10.40772	4.70339	10.56035	3.87E-09	2.82E-06	3.53E-07	1.19E-12	3.6E-12	2.85E-12	3.62E-14	8.75E-13	4.83E-14	9.59295E-13	7.732E-10	2.8233E-06	3.52966E-07	1.22018E-12	1.46422E-13	6.09031E-13	2.43613E-14
40	570550.6	4177959	0.55, 41779	0.12213	0.11	0.12099	82.46075	31.83495	82.01237	10.30759	4.9071	10.25155	4.04E-09	2.74E-06	3.43E-07	1.25E-12	3.77E-12	2.98E-12	3.79E-14	9.15E-13	5.05E-14	1.00342E-12	8.088E-10	2.7408E-06	3.42647E-07	1.27631E-12	1.53157E-13	6.37047E-13	2.54819E-14
41	570590.6	4177959	0.55, 41779	0.1275	0.1185	0.12492	87.61849	32.53805	91.54904	10.95231	5.6614	11.44363	4.18E-09	3.06E-06	3.82E-07	1.29E-12	3.89E-12	3.07E-12	3.91E-14	9.45E-13	5.22E-14	1.03603E-12	8.351E-10	3.0594E-06	3.82486E-07	1.31778E-12	1.58134E-13	6.57746E-13	2.63098E-14
42	570630.6	4177959	0.55, 41779	0.13429	0.12721	0.12893	94.25098	33.95012	99.61773	11.78137	6.34882	12.45222	4.31E-09	3.33E-06	4.16E-07	1.33E-12	4.02E-12	3.17E-12	4.04E-14	9.75E-13	5.38E-14	1.06929E-12	8.619E-10	3.3291E-06	4.16195E-07	1.3601E-12	1.63211E-13	6.78867E-13	2.71547E-14
43	570670.6	4177959	0.55, 41779	0.1434	0.13582	0.13624	91.47953	35.4429	96.20253	12.89467	6.97952	13.63762	4.55E-09	3.21E-06	4.56E-07	1.41E-12	4.24E-12	3.35E-12	4.27E-14	1.03E-12	5.69E-14	1.12992E-12	9.107E-10	3.215E-06	4.55815E-07	1.43721E-12	1.72466E-13	7.17359E-13	2.86944E-14
44	570710.6	4177959	0.55, 41779	0.15342	0.14402	0.1467	103.54122	38.62398	108.53691	12.94265	7.57754	15.98544	4.9E-09	3.63E-06	5.34E-07	1.51E-12	4.57E-12	3.61E-12	4.59E-14	1.11E-12	6.12E-14	1.21667E-12	9.807E-10	3.6271E-06	5.34267E-07	1.54755E-12	1.85706E-13	7.72432E-13	3.08973E-14
45	570750.6	4177959	0.55, 41779	0.16261	0.1515	0.15549	105.52732	44.38977	114.23814	13.19092	8.09206	15.7724	5.2E-09	3.82E-06	5.27E-07	1.6E-12	4.84E-12	3.82E-12	4.87E-14	1.18E-12	6.49E-14	1.28957E-12	1.039E-09	3.8177E-06	5.27151E-07	1.64027E-12	1.96833E-13	8.18713E-13	3.27485E-14
46	570790.6	4177959	0.55, 41779	0.16989	0.15823	0.16076	113.60479	47.24143	124.57926	14.2006	8.3928	15.57241	5.37E-09	4.16E-06	5.2E-07	1.66E-12	5.01E-12	3.95E-12	5.03E-14	1.22E-12	6.71E-14	1.33328E-12	1.075E-09	4.1633E-06	5.20478E-07	1.69587E-12	2.03505E-13	8.46464E-13	3.38586E-14
47	570830.6	4177959	0.55, 41779	0.1738	0.16401	0.16481	115.20896	49.45722	130.36471	14.40112	8.28774	16.29559	5.51E-09	4.36E-06	5.45E-07	1.7E-12	5.13E-12	4.05E-12	5.16E-14	1.25E-12	6.88E-14	1.36687E-12	1.102E-09	4.3566E-06	5.44644E-07	1.7386E-12	2.08632E-13	8.67791E-13	3.47117E-14

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	1	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	1	10	2	70	0.85
2<9	861	1	0.854795	0.000001	1	3	0.55	70	0.72
Student	640	1	0.493151	0.000001	1	3	2.8	70	1
Worker	230	1	0.684932	0.000001	1	1	2.8	70	1

Acrylonitrile

	Chronic (Annu	Acute (1hr)	8hr
REL:	5	1	1

255	571230.6	4178199	0.55, 41781	2.99647	1.91661	2.63905	311.11499	100.77545	780.81724	44.29874	28.05958	97.60216	8.82E-08	2.61E-05	3.26E-06	2.72E-11	8.22E-11	6.49E-11	8.26E-13	2E-11	1.1E-12	2.18859E-11	1.764E-08	2.6092E-05	3.26175E-06	2.78379E-11	3.34055E-12	1.38948E-11	5.55791E-13
256	571270.6	4178199	0.55, 41781	2.48655	1.63354	2.7833	275.28639	78.6156	563.64868	36.03295	23.70769	70.45609	9.3E-08	1.88E-05	2.35E-06	2.87E-11	8.67E-11	6.85E-11	8.71E-13	2.1E-11	1.16E-12	2.30812E-11	1.86E-08	1.8835E-05	2.3546E-06	2.93583E-11	3.52299E-12	1.46537E-11	5.86146E-13
257	571310.6	4178199	0.55, 41781	2.04979	1.39182	2.36332	251.65063	69.80646	418.93362	31.45633	18.505	52.3667	7.9E-08	1.4E-05	1.75E-06	2.44E-11	7.36E-11	5.81E-11	7.4E-13	1.79E-11	9.87E-13	1.95984E-11	1.58E-08	1.3999E-05	1.75011E-06	2.49283E-11	2.9914E-12	1.24425E-11	4.97701E-13
258	571350.6	4178199	0.55, 41781	1.66907	1.18291	1.84305	207.71058	67.17721	304.96385	28.41822	15.5683	43.42728	6.16E-08	1.02E-05	1.45E-06	1.9E-11	5.74E-11	4.53E-11	5.77E-13	1.39E-11	7.69E-13	1.52842E-11	1.232E-08	1.0191E-05	1.45137E-06	1.94408E-11	2.33289E-12	9.70352E-12	3.88141E-13
259	571390.6	4178199	0.55, 41781	1.33874	0.99933	1.42084	175.53523	63.93291	243.3206	26.80029	13.20173	40.55343	4.75E-08	8.13E-06	1.36E-06	1.47E-11	4.42E-11	3.49E-11	4.45E-13	1.07E-11	5.93E-13	1.1783E-11	9.497E-09	8.1312E-06	1.35533E-06	1.49875E-11	1.7985E-12	7.48074E-12	2.99229E-13
260	571430.6	4178199	0.55, 41781	1.08215	0.84466	1.12094	146.49279	60.30749	207.71024	24.41546	11.02968	34.61837	3.75E-08	6.94E-06	1.16E-06	1.16E-11	3.49E-11	2.76E-11	3.51E-13	8.48E-12	4.68E-13	9.29607E-12	7.493E-09	6.9412E-06	1.15699E-06	1.18242E-11	1.4189E-12	5.90184E-12	2.36073E-13
261	571470.6	4178199	0.55, 41781	0.88511	0.71494	0.90372	129.54701	55.96987	172.11269	21.59117	9.33698	28.68545	3.02E-08	5.75E-06	9.59E-07	9.32E-12	2.81E-11	2.22E-11	2.83E-13	6.83E-12	3.77E-13	7.49472E-12	6.041E-09	5.7517E-06	9.58714E-07	9.53295E-12	1.14395E-12	4.7582E-12	1.90328E-13
262	571510.6	4178199	0.55, 41781	0.73336	0.60746	0.74181	112.64977	51.14316	142.69265	18.77496	8.40942	23.78211	2.48E-08	4.77E-06	7.95E-07	7.65E-12	2.31E-11	1.82E-11	2.32E-13	5.61E-12	3.1E-13	6.15201E-12	4.959E-09	4.7686E-06	7.94844E-07	7.82509E-12	9.39011E-13	3.90575E-12	1.5623E-13
263	571550.6	4178199	0.55, 41781	0.6189	0.52125	0.62191	97.68282	46.08498	120.36205	16.28047	7.59304	20.06034	2.08E-08	4.02E-06	6.7E-07	6.41E-12	1.94E-11	1.53E-11	1.95E-13	4.7E-12	2.6E-13	5.15768E-12	4.157E-09	4.0223E-06	6.70459E-07	6.56034E-12	7.87241E-13	3.27448E-12	1.30979E-13
264	571590.6	4178199	0.55, 41781	0.52714	0.45016	0.52751	84.87826	41.93857	102.67653	14.14638	6.8553	17.11275	1.76E-08	3.43E-06	5.72E-07	5.44E-12	1.64E-11	1.3E-11	1.65E-13	3.99E-12	2.2E-13	4.37481E-12	3.526E-09	3.4313E-06	5.71947E-07	5.56457E-12	6.67748E-13	2.77745E-12	1.11098E-13
265	570310.6	4178239	0.55, 41782	0.10871	0.07725	0.10419	69.36135	22.19632	77.30253	9.49069	3.20395	10.55794	3.48E-09	2.58E-06	3.53E-07	1.07E-12	3.24E-12	2.56E-12	3.26E-14	7.88E-13	4.35E-14	8.64058E-13	6.964E-10	2.5833E-06	3.52877E-07	1.09904E-12	1.31885E-13	5.48568E-13	2.19427E-14
266	570350.6	4178239	0.55, 41782	0.12097	0.08699	0.11543	80.24676	23.95533	77.73127	10.03084	3.79637	10.6184	3.86E-09	2.6E-06	3.55E-07	1.19E-12	3.59E-12	2.84E-12	3.61E-14	8.73E-13	4.82E-14	9.57275E-13	7.716E-10	2.5976E-06	3.54903E-07	1.21761E-12	1.46114E-13	6.07749E-13	2.431E-14
267	570390.6	4178239	0.55, 41782	0.13576	0.09875	0.129	97.68381	28.15369	96.07123	12.21048	4.56788	12.0089	4.31E-09	3.21E-06	4.01E-07	1.33E-12	4.02E-12	3.17E-12	4.04E-14	9.76E-13	5.39E-14	1.06982E-12	8.623E-10	3.2105E-06	4.01386E-07	1.36076E-12	1.63291E-13	6.79199E-13	2.71679E-14
268	570430.6	4178239	0.55, 41782	0.15369	0.11303	0.14573	112.57412	32.01468	119.02369	14.07177	5.30028	14.87796	4.87E-09	3.98E-06	4.97E-07	1.5E-12	4.54E-12	3.58E-12	4.56E-14	1.1E-12	6.08E-14	1.20856E-12	9.741E-10	3.9775E-06	4.97272E-07	1.53724E-12	1.84469E-13	7.67286E-13	3.06914E-14
269	570470.6	4178239	0.55, 41782	0.17542	0.1305	0.16624	120.86213	35.6675	135.90431	15.10777	5.94458	16.98804	5.56E-09	4.54E-06	5.68E-07	1.71E-12	5.18E-12	4.09E-12	5.2E-14	1.26E-12	6.94E-14	1.37866E-12	1.111E-09	4.5416E-06	5.67789E-07	1.7536E-12	2.10431E-13	8.75276E-13	3.5011E-14
270	570510.6	4178239	0.55, 41782	0.20166	0.15208	0.19089	118.29832	38.86505	139.27939	14.78729	6.47751	17.40992	6.38E-09	4.65E-06	5.82E-07	1.97E-12	5.94E-12	4.7E-12	5.98E-14	1.44E-12	7.97E-14	1.58309E-12	1.276E-09	4.6544E-06	5.81883E-07	2.01362E-12	2.41635E-13	1.00506E-12	4.02026E-14
271	570550.6	4178239	0.55, 41782	0.23297	0.17899	0.21994	134.82021	41.51275	155.81716	16.85253	6.91879	19.47714	7.35E-09	5.21E-06	6.51E-07	2.27E-12	6.85E-12	5.41E-12	6.89E-14	1.66E-12	9.18E-14	1.82402E-12	1.47E-09	5.207E-06	6.50977E-07	2.32007E-12	2.78409E-13	1.15802E-12	4.63209E-14
272	570590.6	4178239	0.55, 41782	0.26933	0.21289	0.25402	138.182	44.61865	161.93184	17.27275	7.89914	20.24148	8.49E-09	5.41E-06	6.77E-07	2.62E-12	7.91E-12	6.25E-12	7.95E-14	1.92E-12	1.06E-13	2.10666E-12	1.698E-09	5.4114E-06	6.76521E-07	2.67959E-12	3.2155E-13	1.33747E-12	5.34987E-14
273	570630.6	4178239	0.55, 41782	0.31001	0.25571	0.29378	151.57706	47.88426	180.12829	18.94713	9.37801	22.51604	9.82E-09	6.02E-06	7.53E-07	3.03E-12	9.15E-12	7.23E-12	9.2E-14	2.22E-12	1.23E-13	2.43642E-12	1.964E-09	6.0195E-06	7.5254E-07	3.09903E-12	3.71883E-13	1.54682E-12	6.18729E-14
274	570670.6	4178239	0.55, 41782	0.35129	0.30919	0.33746	163.01094	51.1286	193.67566	20.37637	10.66356	24.20946	1.13E-08	6.47E-06	8.09E-07	3.48E-12	1.05E-11	8.3E-12	1.06E-13	2.55E-12	1.41E-13	2.79871E-12	2.256E-09	6.4722E-06	8.09139E-07	3.55984E-12	4.2718E-13	1.77683E-12	7.10731E-14
275	570710.6	4178239	0.55, 41782	0.3879	0.37553	0.37852	161.77129	55.27243	215.9147	21.46966	11.91574	26.98934	1.27E-08	7.22E-06	9.02E-07	3.9E-12	1.18E-11	9.31E-12	1.19E-13	2.86E-12	1.58E-13	3.1393E-12	2.53E-09	7.2153E-06	9.02037E-07	3.99305E-12	4.79166E-13	1.99306E-12	7.97223E-14
276	570750.6	4178239	0.55, 41782	0.41955	0.45853	0.40652	185.09687	61.2613	243.75059	24.33831	15.0229	31.56234	1.36E-08	8.15E-06	1.05E-06	4.19E-12	1.27E-11	1E-11	1.27E-13	3.07E-12	1.7E-13	3.37163E-12	2.718E-09	8.1455E-06	1.05487E-06	4.28857E-12	5.14628E-13	2.14056E-12	8.56224E-14
277	570790.6	4178239	0.55, 41782	0.45531	0.56517	0.42739	195.76674	71.16962	229.68596	30.0466	17.67317	35.54387	1.43E-08	7.68E-06	1.19E-06	4.41E-12	1.33E-11	1.05E-11	1.34E-13	3.23E-12	1.78E-13	3.5449E-12	2.857E-09	7.6757E-06	1.18796E-06	4.50896E-12	5.41075E-13	2.25056E-12	9.00225E-14
278	570830.6	4178239	0.55, 41782	0.51729	0.70869	0.46924	186.14136	86.93814	313.42291	30.32646	20.0795	44.72862	1.57E-08	1.05E-05	1.49E-06	4.84E-12	1.46E-11	1.15E-11	1.47E-13	3.55E-12	1.96E-13	3.8922E-12	3.137E-09	1.0474E-05	1.49487E-06	4.95071E-12	5.94085E-13	2.47106E-12	9.88422E-14
279	570870.6	4178239	0.55, 41782	0.63421	0.91745	0.53024	225.98347	96.3139	311.28977	37.66391	24.81387	41.34654	1.77E-08	1.04E-05	1.38E-06	5.47E-12	1.65E-11	1.3E-11	1.66E-13	4.01E-12	2.21E-13	4.39842E-12	3.545E-09	1.0403E-05	1.38193E-06	5.5946E-12	6.71352E-13	2.79245E-12	1.11698E-13
280	570910.6	4178239	0.55, 41782	0.85302	1.23442	0.65693	293.13359	117.47886	326.7744	47.06613	30.6738	48.00957	2.2E-08	1.09E-05	1.6E-06	6.78E-12	2.05E-11	1.62E-11	2.06E-13	4.97E-12	2.74E-13	5.44955E-12	4.392E-09	1.092E-05	1.60466E-06	6.93159E-12	8.31791E-13	3.45978E-12	1.38391E-13
281	570950.6	4178239	0.55, 41782	1.35023	1.79208	0.88884	455.80102	142.22416	478.03953	68.40553	39.86266	68.50221	2.97E-08	1.6E-05	2.29E-06	9.17E-12	2.77E-11	2.19E-11	2.78E-13	6.72E-12	3.71E-13	7.37365E-12	5.943E-09	1.5975E-05	2.28961E-06	9.37897E-12	1.12548E-12	4.68134E-12	1.87254E-13
282	570990.6	4178239	0.55, 41782	3.0182	3.06414	1.32054	885.93977	193.04223	771.54657	147.1874	58.20401	96.44332	4.42E-08	2.58E-05	3.22E-06	1.36E-11	4.11E-11	3.25E-11	4.14E-13	9.99E-12	5.52E-13	1.0956E-11	8.831E-09	2.5783E-05	3.22397E-06	1.39356E-11	1.67227E-12	6.95569E-12	2.78228E-13
283	571030.6	4178239	0.55, 41782	7.70332	4.46365	2.30139	679.65913	243.63294	1123.21669	144.28562	71.78775	156.8655	7.69E-08	3.75E-05	5.24E-06	2.37E-11	7.17E-11	5.66E-11	7.21E-13	1.74E-11	9.61E-13	1.90925E-11	1.539E-08	3.7535E-05	5.24294E-06	2.42848E-11	2.91418E-12	1.21213E-11	4.84854E-13
284	571110.6	4178239	0.55, 41782	48.37684	13.76668	3.52906	1082.14109	288.2044	2417.61379	441.33003	115.9324	328.07057	1.18E-07	8.08E-05	1.1E-05	3.64E-11	1.1E-10	8.69E-11	1.11E-12	2.67E-11	1.47E-12	2.92999E-11	2.362E-08	8.0787E-05	1.09664E-05	3.72683E-11	4.47219E-12	1.86018E-11	7.44071E-13
285	571150.6	4178239	0.55, 41782	14.38318	6.22649	4.84511	550.93904	192.81003	1871.63269	147.46183	59.89562	339.77194	1.62E-07	6.25E-05	1.14E-05	5E-11	1.51E-10	1.19E-10	1.52E-12	3.66E-11	2.02E-12	4.01885E-11	3.239E-08	6.2542E-05	1.13547E-05	5.1118E-11	6.13416E-12	2.55146E-11	1.02059E-12
286	571190.6	4178239	0.55, 41782	8.08563	4.10425	7.76231	423.01159	138.20819	1326.9025	88.76631	43.45879	203.98194	2.59E-07	4.43E-05	6.82E-06	8.01E-11	2.42E-10	1.91E-10	2.43E-12	5.87E-11	3.24E-12	6.43702E-11	5.188E-08	4.434E-05	6.81681E-06	8.18761E-11	9.82513E-12	4.0867E-11	1.63468E-12
287	571230.6	4178239	0.55, 41782	5.48613	3.01374	6.36519	364.79897	99.98669	820.37732	64.1708	32.88659	114.5851	2.13E-07	2.74E-05	3.83E-06	6.56E-11	1.98E-10	1.57E-10	1.99E-12	4.81E-11	2.66E-12	5.27834E-11	4.254E-08	2.7414E-05	3.82941E-06	6.71382E-11	8.05658E-12	3.35108E-11	1.34043E-12
288	571270.6	4178239	0.55, 41782	3.91656	2.30583	4.21608	308.69657	91.16262	501.73471	42.97299	25.31404	83.35946	1.41E-07	1.68E-05	2.79E-06	4.35E-11	1.31E-10	1.04E-10	1.32E-12	3.19E-11	1.76E-12	3.49626E-11	2.818E-08	1.6766E-05	2.78582E-06	4.44709E-11	5.33651E-12	2.21968E-11	8.87873E-13
289	571310.6	4178239	0.55, 41782	2.81911	1.80691	2.86031	238.76095	82.99282	368.88984	36.57222	19.65898	61.48164	9.56E-08	1.23E-05	2.05E-06	2.95E-11	8.91E-11	7.04E-11	8.95E-13	2.16E-11	1.19E-12	2.37201E-11	1.912E-08	1.2327E-05	2.05473E-06	3.0171E-11	3.62052E-12	1.50593E-11	6.02372E-13
290	571350.6	4178239	0.55, 41782	2.07392	1.43877	2.07081	186.98174	75.01218	257.12826	31.16362	15.62493	42.85471	6.92E-08	8.59E-06	1.43E-06	2.14E-11	6.45E-11	5.09E-11	6.48E-13	1.57E-11	8.64E-13	1.71732E-11	1.384E-08	8.5927E-06	1.43226E-06	2.18436E-11	2.62123E-12	1.09028E-11	4.36113E-13
291	571390.6	4178239	0.55, 41782	1.57003	1.1589	1.56847	153.36435	67.14235	200.39228	25.56072	13.28221	31.13336	5.24E-08	6.7E-06	1.04E-06	1.62E-11	4.88E-11	3.86E-11	4.91E-13	1.19E-11	6.55E-13	1.30074E-11	1.048E-08	6.6967E-06	1.04055E-06	1.65449E-11	1.98539E-12	8.2581E-12	3.30324E-13
292	571430.6	4178239	0.55, 41782	1.23548	0.94866	1.2378	124.99719	59.46648	164.5542	20.83286	11.6734	24.18073	4.14E-08	5.5E-06	8.08E-07	1.28E-11	3.85E-11	3.04E-11	3.88E-13	9.36E-12	5.17E-13	1.02652E-11	8.274E-09	5.4991E-06	8.08183E-07	1.30569E-11	1.56683E-12	6.51714E-12	2.60686E-13
293	571470.6	4178239	0.55, 41782	0.99131	0.7845	0.9961	109.3041	54.21436	142.14876	17.2339	10.26711	19.9293	3.33E-08	4.75E-06	6.66E-07	1.03E-11	3.1E-11	2.45E-11	3.12E-13	7.53E-12	4.16E-13	8.26084E-12	6.658E-09	4.7504E-06	6.66089E-07	1.05074E-11	1.26089E-12	5.24459E-12	2.09784E-13
294	571510.6	4178239	0.55, 41782	0.81688	0.65976	0.82266	100.30585	50.40167	129.05875	14.55844	9.03737	16.96469	2.75E-08	4.31E-06	5.67E-07	8.48E-12	2.56E-11	2.02E-11	2.58E-13	6.22E-12	3.43E-13	6.82249E-12	5.499E-09	4.313E-06	5.67003E-07	8.67791E-12	1.04135E-12	4.33142E-12	1.73257E-13
295	571550.6	4178239	0.55, 41782	0.68618	0.56281	0.69258	92.19218	46.80105	116.817	12.52836	7.96128	14.60636	2.31E-08	3.9E-06	4.88E-07	7.14E-12	2.16E-11	1.7E-11	2.17E-13	5.24E-12	2.89E-13	5.74373E-12	4.63E-09	3.9039E-06	4.88182E-07	7.30577E-12	8.76692E-13	3.64654E-12	1.45862E-13
296	571590.6	4178239	0.55, 41782	0.57854	0.48285	0.58537	84.94405	43.3686	105.85184	10.89629	7.01254	13.23148	1.96E-08	3.54E-06	4.42E-07	6.04E-12	1.82E-11	1.44E-11	1.83E-13	4.43E-12	2.44E-13	4.85462E-12	3.913E-09	3.5374E-06	4.42226E-07	6.17487E-12	7.40984E-13	3.08207E-12	1.23283E-13
297	570310.6	4178279	0.55, 41782	0.11004	0.07807	0.10589	74.04292	22.79319	77.67346	10.17864	3.64675	10.70288	3.54E-09	2.6E-06	3.58E-07	1.09E-12	3.3E-12	2.6E-12	3.32E-14	8.01E-13	4.42E-14	8.78155E-13	7.078E-10	2.5957E-06	3.57727E-07	1.11698E-12	1.34037E-13	5.57518E-13	2.23007E-14
298	570350.6	4178279	0.55, 41782	0.12249	0.08802	0.11726	80.9847	23.74961	88.18196	11.08549	3.81596	12.05595	3.92E-09	2.95E-06	4.03E-07	1.21E-12	3.65E-12	2.88E-12	3.67E-14	8.87E-13	4.9E-14	9.72451E-13	7.838E-10	2.9468E-06	4.02948E-07	1.23692E-12	1.4843E-13	6.17384E-13	2.46954E-14
299	570390.6	4178279	0.55, 41782	0.13757	0.10016	0.13084	86.03589	24.80698	96.47388	11.74551	4.00404	13.13274	4.37E-09	3.22E-06	4.39E-07	1.35E-12	4.07E-12	3.22E-12	4.1E-14	9.89E-13	5.46E-14	1.08508E-12	8.746E-10	3.2239E-06	4.38934E-07	1.38017E-12	1.6562E-13	6.88887E-13	2.75555E-14
300	570430.6	4178279	0.55, 41782	0.15607	0.11514	0.14747	96.31741	27.84204	100.58043	12.03968	4.46456	13.6645	4.93E-09	3.36E-06	4.57E-07	1.52E-12	4.59E-12	3.63E-12	4.62E-14	1.12E-12	6.16E-14	1.223E-12	9.858E-10	3.3612E-06	4.56705E-07	1.5556E-12	1.86672E-13	7.76448E-13	3.10579E-14
301	570470.6	4178279	0.55, 41782	0.17907	0.13378	0.16835	120.52086	33.01708	119.41006	15.06511	5.41696	14.92626	5.63E-09	3.99E-06	4.99E-07	1.74E-12	5.24E-12	4.14E-12	5.27E-14	1.27E-12	7.03E-14	1.39616E-12	1.125E-09	3.9904E-06	4.98895E-07	1.77586E-12	2.13103E-13	8.86387E-13	3.54555E-14
302	570510.6	4178279	0.55, 41782	0.20795	0.15724	0.19497	141.57577	37.85068	153.41811	17.69697	6.30845	19.17726	6.52E-09	5.13E-06	6.41E-07	2.01E-12	6.07E-12	4.8E-12	6.1E-14	1.47E-12	8.14E-14	1.61693E-12	1.303E-09	5.1269E-06	6.40965E-07	2.05667E-12	2.468E-13	1.02655E-12	4.10619E-14
303	570550.6	4178279	0.55, 41782	0.24435	0.18714	0.22876	153.17347	42.50173	177.88461	19.14668	7.08362	22.23558	7.65E-09	5.94E-06	7.43E-07	2.36E-12	7.12E-12	5.63E-12	7.16E-14	1.73E-12	9.55E-14	1.89717E-12	1.529E-09	5.9445E-06	7.43171E-07	2.41311E-12	2.89574E-13	1.20446E-12	4.81785E-14
304	570590.6	4178279	0.55, 41782	0.28993	0.22577	0.27077	157.86485	46.41285	177.78268	19.73311	7.73548	22.22284	9.05E-09	5.94E-06	7.43E-07	2.79E-12	8.43E-12	6.66E-12	8.48E-14	2.05E-12	1.13E-13	2.24557E-12	1.81E-09	5.9411E-06	7.4275E-07	2.85627E-12	3.42753E-13	1.42566E-12	5.70263E-14
305	570630.6	4178279	0.55, 41782	0.34541	0.27631	0.32199	169.89337	50.77009	212.69617	21.23667	9.57894	26.58702	1.08E-08	7.11E-06	8.89E-07	3.32E-12	1E-11	7.92E-12	1.01E-13	2.44E-12	1.34E-13	2.67037E-12	2.152E-09	7.1078E-06	8.88592E-07	3.3966E-12	4.07592E-13	1.69535E-12	6.78141E-14
306	570670.6	4178279	0.55, 41782	0.40869	0.34273	0.38328	189.16159	55.36754	226.13934	23.6452	11.64813	28.26742	1.28E-08	7.56E-06	9.45E-07	3.95E-12	1.19E-11	9.43E-12	1.2E-13	2.9E-12	1.6E-13	3.1787E-12	2.562E-09	7.557E-06	9.44764E-07	4.04317E-12	4.8518E-13	2.01807E-12	8.0723E-14
307	570710.6	4178279	0.55, 41782	0.47241	0.42944	0.45188	202.37611	59.97812	249.97635	25.29701	13.4468	31.24704	1.51E-08	8.35E-06	1.04E-06	4.66E-12	1.41E-11	1.11E-11	1.41E-13	3.42E-12	1.89E-13	3.74768E-12	3.021E-09	8.3536E-06	1.04434E-06	4.76688E-12	5.72026E-13	2.3793E-12	9.51722E-14
308	570750.6	4178279	0.55, 41782	0.52143	0.53099	0.51003	207.36077	66.44988	280.46815	28.38204	16.35494	35.05852	1.7E-08	9.37E-06	1.17E-06	5.26E-12	1.59E-11	1.25E-11	1.6E-13	3.86E-12	2.13E-13	4.23004E-12	3.409E-09	9.3725E-06	1.17173E-06	5.38043E-12	6.45651E-13	2.68554E-12	1.07422E-13
309	570790.6	4178279	0.55, 41782	0.56782	0.69623	0.54766	217.33897	75.80804	318.83899	33.24185	20.36018	42.96761	1.83E-08	1.07E-05	1.44E-06	5.65E-12	1.71E-11	1.35E-11	1.71E-13	4.14E-12	2.29E-13	4.54239E-12	3.661E-09	1.0655E-05	1.43605E-06	5.77772E-12	6.93327E-13	2.88385E-12	1.15354E-13
310	570830.6	4178279	0.55, 41782	0.62461	0.91706	0.58168	236.67869	94.57659	403.572	34.09074	24.90976	60.93237	1.94E-08	1.35E-05	2.04E-06	6E-12	1.81E-11	1.43E-11	1.82E-13	4.4E-12	2.43E-13	4.82493E-12	3.889E-09	1.3486E-05	2.03635E-06	6.1371E-12	7.36452E-13	3.06322E-12	1.22529E-13
311	570870.6	4178279	0.55, 41782	0.74364	1.27032	0.64347	232.57719	121.10786	430.4482	38.76287	29.17824	53.80602	2.15E-08	1.44E-05	1.8E-06	6.64E-12	2E-11	1.58E-11	2.02E-13	4.87E-12	2.69E-13	5.338E-12	4.303E-09	1.4385E-05	1.79827E-06	6.7897E-12	8.14764E-13	3.38896E-12	1.35558E-13
312	570910.6	4178279	0.55, 41782	0.98087	1.94043	0.78377	289.58181	139.00222	423.1545	48.26363	45.30681	59.61258	2.62E-08	1.41E-05	1.99E-06	8.09E-12	2.44E-11	1.93E-11	2.45E-13	5.93E-12	3.27E-13	6.5027E-12	5.241E-09	1.4141E-05	1.99238E-06	8.27115E-12	9.92538E-13	4.1284E-12	1.65136E-13
313	570950.6	4178279	0.55, 41782	1.54705	3.33468	1.05206	380.89662	209.14004	464.4183	63.48277	60.99964	77.40305	3.52E-08	1.55E-05	2.59E-06	1.09E-11	3.28E-11	2.59E-11	3.3E-13	7.96E-12	4.39E-13	8.73016E-12	7.037E-09	1.552E-05	2.58698E-06	1.11044E-11	1.33253E-12	5.54256E-12	2.21702E-13
314	571150.6	4178279	0.55, 41782	125.5821	15.27099	61.53709	2183.625	235.47088	4321.7852	1020.3296	115.3363	966.08792	2.06E-06	0.000144	3.23E-05	6.35E-10	1.92E-09	1.51E-09	1.93E-11	4.65E-10	2.57E-11	5.10285E-10	4.113E-07	0.00014442	3.22909E-05	6.49061E-10	7.78873E-11	3.23967E-10	1.29587E-11
315	571190.6	4178279	0.55, 41782	19.14498	7.50998	20.68123	704.1647	157.76938	1300.13062	186.41477	61.8786	262.75525	6.91E-07	4.34E-05	8.78E-06	2.13E-10	6.44E-10	5.09E-10	6.47E-12	1.56E-10	8.63E-12	1.71495E-10	1.382E-07	4.3445E-05	8.7816E-06	2.18134E-10	2.61761E-11	1.08878E-10	4.35511E-12
316	571230.6	4178279	0.55, 41782	9.41744	4.44398	9.68706	418.2482	120.63814	710.71948	87.01567	39.51148	138.35634	3.24E-07	2.37E-05	4.62E-06	9.99E-11	3.02E-10	2.38E-10	3.03E-12	7.33E-11	4.04E-12	8.033E-11	6.475E-08	2.375E-05	4.62393E-06	1.02176E-10	1.22611E-11	5.09994E-11	2.03998E-12
317	571270.6	4178279	0.55, 41782	5.33507	3.02277	5.65407	265.61255	99.06709	486.13138	58.88721	29.56115	89.94232	1.89E-07	1.62E-05	3.01E-06	5.83E-11	1.76E-10	1.39E-10	1.77E-12	4.28E-11	2.36E-12	4.68872E-11	3.779E-08	1.6245E-05	3.00594E-06	5.96385E-11	7.15662E-12	2.97675E-11	1.1907E-12
318	571310.6	4178279	0.55, 41782	3.44949	2.20529	3.73581	197.38222	83.78037	349.19747	42.40574	23.44903	62.97539	1.25E-07	1.17E-05	2.1E-06	3.85E-11	1.16E-10	9.19E-11	1.17E-12	2.83E-11	1.56E-12	3.09802E-11	2.497E-08	1.1669E-05	2.10469E-06	3.94054E-11	4.72865E-12	1.96685E-11	7.86741E-13
319	571350.6	4178279	0.55, 41782	2.42474	1.67304	2.63741	164.77993	74.08708	262.11907	31.82391	19.20475	45.98547	8.81E-08	8.76E-06	1.54E-06	2.72E-11	8.21E-11	6.49E-11	8.26E-13	1.99E-11	1.1E-12	2.18716E-11	1.763E-08	8.7594E-06	1.53688E-06	2.78198E-11	3.33837E-12	1.38857E-11	5.5543E-13
320	571390.6	4178279	0.55, 41782	1.80332	1.30805	1.94946	139.62437	66.18564	204.22507	24.75802	16.07748	34.84377	6.52E-08	6.82E-06	1.16E-06	2.01E-11	6.07E-11	4.8E-11	6.1E-13	1.47E-11	8.14E-13	1.61667E-11	1.303E-08	6.8248E-06	1.16452E-06	2.05634E-11	2.46761E-12	1.02638E-11	4.10554E-13
321	571430.6	4178279	0.55, 41782	1.38872	1.04688	1.49158	120.07885	59.47148	164.54693	19.78612	13.66223	27.17412	4.99E-08	5.5E-06	9.08E-07	1.54E-11	4.64E-11	3.67E-11	4.67E-13	1.13E-11	6.23E-13	1.23697E-11	9.97E-09	5.4989E-06	9.08196E-07	1.57337E-11	1.88804E-12	7.85318E-12	3.14127E-13
322	571470.6	4178279	0.55, 41782	1.11171	0.86066	1.18684	104.95004	53.66694	136.91558	16.34545	11.81303	21.87493	3.97E-08	4.58E-06	7.31E-07	1.22E-11	3.7E-11	2.92E-11	3.72E-13	8.98E-12	4.95E-13	9.84251E-12	7.933E-09	4.5755E-06	7.31094E-07	1.25192E-11	1.50231E-12	6.24876E-12	2.4995E-13
323	571510.6	4178279	0.55, 41782	0.90331	0.71725	0.95952	92.95227	48.50847	116.77816	13.70064	10.27697	17.93941	3.21E-08	3.9E-06	6E-07	9.9E-12	2.99E-11	2.36E-11	3E-13	7.26E-12	4.01E-13	7.95738E-12	6.414E-09	3.9026E-06	5.99566E-07	1.01214E-11	1.21457E-12	5.05194E-12	2.02077E-13
324	571550.6	4178279	0.55, 41782	0.74685	0.60641	0.79002	83.35854	43.88956	102.16829	11.6678	9.00306	14.97338	2.64E-08	3.41E-06	5E-07	8.15E-12	2.46E-11	1.94E-11	2.47E-13	5.97E-12	3.3E-13	6.55174E-12	5.281E-09	3.4144E-06	5.00438E-07	8.33353E-12	1.00002E-12	4.15953E-12	1.66381E-13
325	571590.6	4178279	0.55, 41782	0.63093	0.52161	0.66513	75.57295	41.1264	91.05382	10.11638	7.96472	12.7323	2.22E-08	3.04E-06	4.26E-07	6.86E-12	2.07E-11	1.64E-11	2.08E-13	5.03E-12	2.78E-13	5.51603E-12	4.446E-09	3.0429E-06	4.25539E-07	7.01615E-12	8.41938E-13	3.50199E-12	1.40079E-13
326	570310.6	4178319	0.55, 41783	0.1112	0.07908	0.10686	65.67409	25.12162	71.57917	10.72274	3.92383	11.92986	3.57E-09	2.39E-06	3.99E-07	1.1E-12	3.33E-12	2.63E-12	3.35E-14	8.08E-13	4.46E-14	8.862E-13	7.143E-10	2.3921E-06	3.98731E-07	1.12721E-12	1.35265E-13	5.62626E-13	2.2505E-14
327	570350.6	4178319	0.55, 41783	0.12381	0.08915	0.11863	72.99363	26.3644	78.028	10.96785	4.13077	12.26515	3.96E-09	2.61E-06	4.1E-07	1.22E-12	3.69E-12	2.92E-12	3.71E-14	8.97E-13	4.95E-14	9.83813E-13	7.93E-10	2.6076E-06	4.09937E-07	1.25137E-12	1.50164E-13	6.24597E-13	2.49839E-14
328	570390.6	4178319	0.55, 41783	0.13907	0.1015	0.13256	85.61577	27.73961	87.79758	11.84211	4.3586	12.34233	4.43E-09	2.93E-06	4.13E-07	1.37E-12	4.13E-12	3.26E-12	4.15E-14	1E-12	5.53E-14	1.09934E-12	8.861E-10	2.934E-06	4.12524E-07	1.39831E-12	1.67798E-13	6.97942E-13	2.79177E-14
329	570430.6	4178319	0.55, 41783	0.15783	0.11689	0.14946	97.99246	29.27563	105.83642	13.47747	4.61214	14.5399	5E-09	3.54E-06	4.86E-07	1.54E-12	4.65E-12	3.68E-12	4.68E-14	1.13E-12	6.24E-14	1.2395E-12	9.991E-10	3.5368E-06	4.8597E-07	1.57659E-12	1.89191E-13	7.86926E-13	3.1477E-14
330	570470.6	4178319	0.55, 41783	0.18134	0.13633	0.17027	108.90086	31.01454	122.78	14.92794	4.89871	16.74752	5.69E-09	4.1E-06	5.6E-07	1.76E-12	5.3E-12	4.19E-12	5.33E-14	1.29E-12	7.11E-14	1.41209E-12	1.138E-09	4.103E-06	5.5975E-07	1.79611E-12	2.15534E-13	8.96498E-13	3.58599E-14
331	570510.6	4178319	0.55, 41783	0.21129	0.16124	0.19656	118.40452	33.29424	135.32696	15.9306	5.40834	18.39398	6.57E-09	4.52E-06	6.15E-07	2.03E-12	6.12E-12	4.84E-12	6.15E-14	1.49E-12	8.21E-14	1.63012E-12	1.314E-09	4.5223E-06	6.14775E-07	2.07345E-12	2.48814E-13	1.03492E-12	4.1397E-14
332	570550.6	4178319	0.55, 41783	0.2503	0.19368	0.23096	153.9338	39.94632	153.89508	19.24172	6.62991	19.23689	7.72E-09	5.14E-06	6.43E-07	2.38E-12	7.19E-12	5.68E-12	7.23E-14	1.75E-12	9.64E-14	1.91542E-12	1.544E-09	5.1428E-06	6.42971E-07	2.43633E-12	2.9236E-13	1.21605E-12	4.86421E-14
333	570590.6	4178319	0.55, 41783	0.30196	0.23671	0.27701	186.54438	46.61587	209.37606	23.31805	7.76931	26.17201	9.26E-09	7E-06	8.75E-07	2.86E-12	8.63E-12	6.81E-12	8.67E-14	2.09E-12	1.16E-13	2.29734E-12	1.852E-09	6.9968E-06	8.74744E-07	2.92211E-12	3.50654E-13	1.45852E-12	5.83408E-14
334	570630.6	4178319	0.55, 41783	0.37105	0.29503	0.3391	205.0145	52.79857	247.59232	25.62681	8.79976	30.94904	1.13E-08	8.27E-06	1.03E-06	3.5E-12	1.06E-11	8.34E-12	1.06E-13	2.56E-12	1.42E-13	2.81228E-12	2.267E-09	8.2738E-06	1.03439E-06	3.5771E-12	4.29252E-13	1.78545E-12	7.14178E-14
335	570670.6	4178319	0.55, 41783	0.462	0.37572	0.42024	218.45656	59.57781	273.51496	27.30707	11.98561	34.18937	1.4E-08	9.14E-06	1.14E-06	4.33E-12	1.31E-11	1.03E-11	1.32E-13	3.18E-12	1.75E-13	3.48523E-12	2.809E-09	9.1401E-06	1.14268E-06	4.43306E-12	5.31967E-13	2.21268E-12	8.85073E-14
336	570710.6	4178319	0.55, 41783	0.57218	0.48827	0.5224	242.44958	66.62286	291.17197	30.3062	15.15553	36.3965	1.75E-08	9.73E-06	1.22E-06	5.39E-12	1.63E-11	1.29E-11	1.64E-13	3.95E-12	2.18E-13	4.33253E-12	3.492E-09	9.7302E-06	1.21646E-06	5.51079E-12	6.61294E-13	2.75061E-12	1.10024E-13
337	570750.6	4178319	0.55, 41783	0.67767	0.63416	0.63666	262.41203	72.71034	341.04886	32.8015	17.84948	42.63111	2.13E-08	1.14E-05	1.42E-06	6.57E-12	1.98E-11	1.57E-11	1.99E-13	4.82E-12	2.66E-13	5.28022E-12	4.256E-09	1.1397E-05	1.42481E-06	6.71621E-12	8.05945E-13	3.35227E-12	1.34091E-13
338	570790.6	4178319	0.55, 41783	0.76041	0.85502	0.73352	285.66779	86.45349	381.79277	42.9347	23.67926	50.68659	2.45E-08	1.28E-05	1.69E-06	7.57E-12	2.28E-11	1.8E-11	2.3E-13	5.55E-12	3.06E-13	6.08379E-12	4.904E-09	1.2758E-05	1.69407E-06	7.73832E-12	9.28598E-13	3.86244E-12	1.54498E-13
339	570830.6	4178319	0.55, 41783	0.82107	1.23378	0.77266	302.59427	109.05103	424.78874	45.07728	29.79255	65.49858	2.58E-08	1.42E-05	2.19E-06	7.97E-12	2.41E-11	1.9E-11	2.42E-13	5.84E-12	3.23E-13	6.4091E-12	5.166E-09	1.4195E-05	2.18903E-06	8.1521E-12	9.78252E-13	4.06897E-12	1.62759E-13
340	570870.6	4178319	0.55, 41783	0.93174	1.8881	0.81484	263.71888	150.69846	583.61	37.23183	42.82711	79.94464	2.72E-08	1.95E-05	2.67E-06	8.41E-12	2.54E-11	2.01E-11	2.55E-13	6.16E-12	3.4E-13	6.76019E-12	5.449E-09	1.9503E-05	2.67167E-06	8.59867E-12	1.03184E-12	4.29187E-12	1.71675E-13
341	570910.6	4178319	0.55, 41783	1.19482	3.5981	0.94641	225.26352	195.84246	582.08496	37.31993	59.22953	72.76062	3.17E-08	1.95E-05	2.43E-06	9.77E-12	2.95E-11	2.33E-11	2.97E-13	7.16E-12	3.95E-13	7.85464E-12	6.331E-09	1.9452E-05	2.43162E-06	9.99076E-12	1.19889E-12	4.98671E-12	1.99468E-13
342	571190.6	4178319	0.55, 41783	29.13102	9.74239	24.19825	1204.46355	192.40018	1781.17361	337.10397	86.14095	400.692	8.09E-07	5.95E-05	1.34E-05	2.5E-10	7.53E-10	5.95E-10	7.58E-12	1.83E-10	1.01E-11	2.00663E-10	1.617E-07	5.952E-05	1.33921E-05	2.55234E-10	3.06281E-11	1.27395E-10	5.09582E-12
343	571230.6	4178319	0.55, 41783	10.45163	5.25398	11.58574	479.33008	117.37647	725.29291	126.19986	44.06446	185.38424	3.87E-07	2.42E-05	6.2E-06	1.19E-10	3.61E-10	2.85E-10	3.63E-12	8.76E-11	4.84E-12	9.60745E-11	7.744E-08	2.4237E-05	6.19571E-06	1.22203E-10	1.46643E-11	6.09952E-11	2.43981E-12
344	571270.6	4178319	0.55, 41783	5.72808	3.4301	6.64009	292.22118	96.9874	479.91721	63.79547	33.00222	105.59121	2.22E-07	1.6E-05	3.53E-06	6.85E-11	2.07E-10	1.63E-10	2.08E-12	5.02E-11	2.77E-12	5.50636E-11	4.438E-08	1.6037E-05	3.52888E-06	7.00385E-11	8.40462E-12	3.49584E-11	1.39834E-12
345	571310.6	4178319	0.55, 41783	3.67711	2.43151	4.23514	175.48484	83.52768	339.71763	43.52526	25.92364	69.01312	1.42E-07	1.14E-05	2.31E-06	4.37E-11	1.32E-10	1.04E-10	1.33E-12	3.2E-11	1.77E-12	3.51208E-11	2.831E-08	1.1352E-05	2.30645E-06	4.46721E-11	5.36066E-12	2.22973E-11	8.91892E-13
346	571350.6	4178319	0.55, 41783	2.57847	1.81872	2.91777	135.74456	73.58424	245.66728	31.86463	21.08438	47.561	9.75E-08	8.21E-06	1.59E-06	3.01E-11	9.09E-11	7.18E-11	9.13E-13	2.21E-11	1.22E-12	2.41965E-11	1.95E-08	8.2096E-06	1.58953E-06	3.07769E-11	3.69323E-12	1.53618E-11	6.1447E-13
347	571390.6	4178319	0.55, 41783	1.91038	1.41202	2.12389	114.67965	65.84745	189.40245	24.95277	17.54375	35.6451	7.1E-08	6.33E-06	1.19E-06	2.19E-11	6.61E-11	5.22E-11	6.65E-13	1.61E-11	8.87E-13	1.76132E-11	1.42E-08	6.3295E-06	1.1913E-06	2.24033E-11	2.68839E-12	1.11822E-11	4.47287E-13
348	571430.6	4178319	0.55, 41783	1.47151	1.12853	1.61377	100.57811	59.61061	161.57422	20.18585	14.84739	27.57311	5.39E-08	5.4E-06	9.22E-07	1.66E-11	5.03E-11	3.97E-11	5.05E-13	1.22E-11	6.74E-13	1.3383E-11	1.079E-08	5.3995E-06	9.21532E-07	1.70226E-11	2.04271E-12	8.4965E-12	3.3986E-13
349	571470.6	4178319	0.55, 41783	1.16585	0.92218	1.2649	90.09229	54.43044	139.38169	16.69193	12.71837	21.87498	4.23E-08	4.66E-06	7.31E-07	1.3E-11	3.94E-11	3.11E-11	3.96E-13	9.57E-12	5.28E-13	1.04899E-11	8.455E-09	4.6579E-06	7.31099E-07	1.33427E-11	1.60112E-12	6.65975E-12	2.6639E-13
350	571510.6	4178319	0.55, 41783	0.94595	0.76805	1.01773	81.52103	50.05282	121.69	14.06823	11.00608	17.76049	3.4E-08	4.07E-06	5.94E-07	1.05E-11	3.17E-11	2.5E-11	3.19E-13	7.7E-12	4.25E-13	8.44013E-12	6.803E-09	4.0667E-06	5.9359E-07	1.07355E-11	1.28826E-12	5.35842E-12	2.14337E-13
351	571550.6	4178319	0.55, 41783	0.78212	0.64956	0.83556	74.38547	46.28731	107.35752	12.02264	9.59923	14.66288	2.79E-08	3.59E-06	4.9E-07	8.62E-12	2.6E-11	2.06E-11	2.62E-13	6.32E-12	3.49E-13	6.92942E-12	5.585E-09	3.5878E-06	4.90066E-07	8.81392E-12	1.05767E-12	4.39931E-12	1.75972E-13
352	571590.6	4178319	0.55, 41783	0.65442	0.55508	0.69496	68.29245	42.98116	95.34122	10.3334	8.40789	12.26582	2.32E-08	3.19E-06	4.1E-07	7.17E-12	2.16E-11	1.71E-11	2.18E-13	5.26E-12	2.9E-13	5.76344E-12	4.645E-09	3.1862E-06	4.09953E-07	7.33084E-12	8.79701E-13	3.65906E-12	1.46362E-13
353	570310.6	4178359	0.55, 41783	0.11229	0.07993	0.10794	69.29068	26.58817	75.81746	11.54845	4.0095	12.46153	3.61E-09	2.53E-06	4.17E-07	1.11E-12	3.36E-12	2.66E-12	3.38E-14	8.16E-13	4.51E-14	8.95157E-13	7.215E-10	2.5337E-06	4.16504E-07	1.1386E-12	1.36632E-13	5.68312E-13	2.27325E-14
354	570350.6	4178359	0.55, 41783	0.12531	0.09043	0.1201	75.30937	28.06345	82.61098	12.55156	4.25756	13.7685	4.01E-09	2.76E-06	4.6E-07	1.24E-12	3.74E-12	2.95E-12	3.76E-14	9.08E-13	5.01E-14	9.96004E-13	8.028E-10	2.7607E-06	4.60185E-07	1.26687E-12	1.52025E-13	6.32337E-13	2.52935E-14
355	570390.6	4178359	0.55, 41783	0.14084	0.10296	0.13441	81.29058	29.71471	90.82388	13.54843	4.53386	15.13731	4.49E-09	3.04E-06	5.06E-07	1.39E-12	4.19E-12	3.31E-12	4.21E-14	1.02E-12	5.61E-14	1.11468E-12	8.984E-10	3.0352E-06	5.05933E-07	1.41783E-12	1.70139E-13	7.07683E-13	2.83073E-14
356	570430.6	4178359	0.55, 41783	0.15989	0.11858	0.15186	87.11605	31.54887	98.44842	14.51934	4.83992	16.40807	5.08E-09	3.29E-06	5.48E-07	1.57E-12	4.73E-12	3.74E-12	4.75E-14	1.15E-12	6.34E-14	1.2594E-12	1.015E-09	3.29E-06	5.48404E-07	1.60191E-12	1.92229E-13	7.99562E-13	3.19825E-14
357	570470.6	4178359	0.55, 41783	0.18374	0.13844	0.17326	97.3598	33.59814	106.34308	15.36354	5.1813	17.51553	5.79E-09	3.55E-06	5.85E-07	1.79E-12	5.4E-12	4.26E-12	5.42E-14	1.31E-12	7.23E-14	1.43688E-12	1.158E-09	3.5538E-06	5.85417E-07	1.82765E-12	2.19318E-13	9.1224E-13	3.64896E-14
358	570510.6	4178359	0.55, 41783	0.21432	0.16421	0.20002	118.04415	35.93263	125.3205	16.48105	5.5698	18.1537	6.69E-09	4.19E-06	6.07E-07	2.06E-12	6.23E-12	4.92E-12	6.26E-14	1.51E-12	8.35E-14	1.65882E-12	1.337E-09	4.188E-06	6.06751E-07	2.10995E-12	2.53194E-13	1.05314E-12	4.21257E-14
359	570550.6	4178359	0.55, 41783	0.25472	0.19842	0.23435	139.50155	38.63371	157.96544	19.4148	6.01971	21.81117	7.83E-09	5.28E-06	7.29E-07	2.42E-12	7.3E-12	5.76E-12	7.34E-14	1.77E-12	9.78E-14	1.94354E-12	1.567E-09	5.2788E-06	7.28992E-07	2.4721E-12	2.96652E-13	1.2339E-12	4.93561E-14
360	570590.6	4178359	0.55, 41783	0.30979	0.24497	0.28017	159.83108	41.83842	190.36526	22.23989	6.84975	26.13545	9.36E-09	6.36E-06	8.74E-07	2.89E-12	8.72E-12	6.89E-12	8.77E-14	2.12E-12	1.17E-13	2.32356E-12	1.873E-09	6.3615E-06	8.73512E-07	2.95546E-12	3.54656E-13	1.47517E-12	5.90067E-14
361	570630.6	4178359	0.55, 41783	0.38734	0.31015	0.34391	206.43147	51.05257	211.21178	25.80393	8.50876	28.98998	1.15E-08	7.06E-06	9.69E-07	3.55E-12	1.07E-11	8.46E-12	1.08E-13	2.6E-12	1.44E-13	2.8522E-12	2.299E-09	7.0582E-06	9.68928E-07	3.62787E-12	4.35345E-13	1.81079E-12	7.24315E-14
362	570670.6	4178359	0.55, 41783	0.50063	0.40488	0.43681	262.98595	60.70684	312.78941	32.87324	10.74505	39.09868	1.46E-08	1.05E-05	1.31E-06	4.51E-12	1.36E-11	1.07E-11	1.37E-13	3.3E-12	1.82E-13	3.62268E-12	2.92E-09	1.0453E-05	1.30677E-06	4.6079E-12	5.52948E-13	2.29995E-12	9.19979E-14
363	570710.6	4178359	0.55, 41783	0.66972	0.54814	0.57453	304.17814	72.14807	380.66102	38.02227	15.71205	47.58263	1.92E-08	1.27E-05	1.59E-06	5.93E-12	1.79E-11	1.41E-11	1.8E-13	4.35E-12	2.4E-13	4.7649E-12	3.841E-09	1.2721E-05	1.59031E-06	6.06075E-12	7.27289E-13	3.02511E-12	1.21004E-13
364	570750.6	4178359	0.55, 41783	0.90523	0.76876	0.77041	339.35657	85.82023	445.46467	44.72327	21.31802	55.68308	2.58E-08	1.49E-05	1.86E-06	7.95E-12	2.4E-11	1.9E-11	2.41E-13	5.83E-12	3.22E-13	6.38951E-12	5.15E-09	1.4886E-05	1.86104E-06	8.12718E-12	9.75262E-13	4.05654E-12	1.62261E-13
365	570790.6	4178359	0.55, 41783	1.13154	1.06104	0.98839	377.53193	96.31599	507.3356	54.94081	27.90141	63.41695	3.3E-08	1.7E-05	2.12E-06	1.02E-11	3.08E-11	2.43E-11	3.09E-13	7.48E-12	4.13E-13	8.19751E-12	6.607E-09	1.6954E-05	2.11956E-06	1.04269E-11	1.25123E-12	5.20439E-12	2.08175E-13
366	570830.6	4178359	0.55, 41783	1.33226	1.74963	1.18947	411.58415	139.14147	649.42864	69.46909	37.35577	97.59965	3.98E-08	2.17E-05	3.26E-06	1.23E-11	3.7E-11	2.93E-11	3.72E-13	9E-12	4.97E-13	9.86619E-12	7.952E-09	2.1702E-05	3.2619E-06	1.25494E-11	1.50592E-12	6.26379E-12	2.50551E-13
367	570870.6	4178359	0.55, 41783	1.45984	3.38436	1.19217	346.78431	184.49712	847.26971	52.43952	61.49528	124.03925	3.99E-08	2.83E-05	4.15E-06	1.23E-11	3.71E-11	2.93E-11	3.73E-13	9.02E-12	4.98E-13	9.89194E-12	7.973E-09	2.8313E-05	4.14521E-06	1.25821E-11	1.50986E-12	6.28014E-12	2.51206E-13
368	571150.6	4178359	0.55, 41783	17.36196	17.82412	10.70274	1537.79423	258.8776	2153.28101	350.34789	128.93656	372.67701	3.58E-07	7.2E-05	1.25E-05	1.1E-10	3.33E-10	2.63E-10	3.35E-12	8.1E-11	4.47E-12	8.87805E-11	7.156E-08	7.1955E-05	1.24561E-05	1.12925E-10	1.3551E-11	5.63645E-11	2.25458E-12
369	571190.6	4178359	0.55, 41783	10.35157	8.16971	8.42586	590.93034	162.31709	1380.32388	161.82999	76.08872	218.22557	2.82E-07	4.61E-05	7.29E-06	8.69E-11	2.62E-10	2.07E-10	2.64E-12	6.37E-11	3.52E-12	6.98808E-11	5.632E-08	4.6125E-05	7.29342E-06	8.88853E-11	1.06662E-11	4.43655E-11	1.77462E-12
370	571230.6	4178359	0.55, 41783	6.41954	4.85697	6.11014	429.96716	118.18476	649.38165	103.83364	47.29307	136.54892	2.04E-07	2.17E-05	4.56E-06	6.3E-11	1.9E-10	1.5E-10	1.91E-12	4.62E-11	2.55E-12	5.06727E-11	4.084E-08	2.17E-05	4.56369E-06	6.44534E-11	7.73441E-12	3.21708E-11	1.28683E-12
371	571270.6	4178359	0.55, 41783	4.24607	3.28764	4.46672	330.34534	97.41521	669.03521	71.25122	30.79427	101.30501	1.49E-07	2.24E-05	3.39E-06	4.61E-11	1.39E-10	1.1E-10	1.4E-12	3.38E-11	1.86E-12	3.70428E-11	2.986E-08	2.2357E-05	3.38573E-06	4.71168E-11	5.65402E-12	2.35175E-11	9.40701E-13
372	571310.6	4178359	0.55, 41783	3.01802	2.39332	3.29044	280.32399	84.30249	476.5001	47.38187	23.6076	69.83839	1.1E-07	1.59E-05	2.33E-06	3.39E-11	1.02E-10	8.09E-11	1.03E-12	2.49E-11	1.37E-12	2.72877E-11	2.199E-08	1.5923E-05	2.33406E-06	3.47088E-11	4.16506E-12	1.73243E-11	6.92972E-13
373	571350.6	4178359	0.55, 41783	2.25439	1.82521	2.47896	223.1696	75.03337	276.07803	32.74083	19.24184	47.29925	8.29E-08	9.23E-06	1.58E-06	2.56E-11	7.72E-11	6.1E-11	7.76E-13	1.87E-11	1.03E-12	2.05582E-11	1.657E-08	9.2259E-06	1.58079E-06	2.61491E-11	3.13789E-12	1.30518E-11	5.22074E-13
374	571390.6	4178359	0.55, 41783	1.7395	1.43625	1.90839	164.0034	68.00709	177.73654	25.39154	16.17569	38.72375	6.38E-08	5.94E-06	1.29E-06	1.97E-11	5.94E-11	4.69E-11	5.97E-13	1.44E-11	7.97E-13	1.58264E-11	1.276E-08	5.9397E-06	1.29418E-06	2.01306E-11	2.41567E-12	1.00478E-11	4.01912E-13
375	571430.6	4178359	0.55, 41783	1.37666	1.15767	1.50113	113.66708	62.41604	162.05892	21.33563	13.79366	30.03325	5.02E-08	5.42E-06	1E-06	1.55E-11	4.67E-11	3.69E-11	4.7E-13	1.14E-11	6.27E-13	1.24491E-11	1.003E-08	5.4158E-06	1.00375E-06	1.58347E-11	1.90016E-12	7.90359E-12	3.16144E-13
376	571470.6	4178359	0.55, 41783	1.11313	0.95193	1.20554	91.64258	57.80687	139.39839	17.74486	11.89568	22.85385	4.03E-08	4.66E-06	7.64E-07	1.24E-11	3.75E-11	2.97E-11	3.77E-13	9.12E-12	5.03E-13	9.99775E-12	8.058E-09	4.6585E-06	7.63817E-07	1.27167E-11	1.526E-12	6.34731E-12	2.53892E-13
377	571510.6	4178359	0.55, 41783	0.9166	0.79605	0.98663	82.11168	53.90312	116.32041	14.64829	10.35284	20.08654	3.3E-08	3.89E-06	6.71E-07	1.02E-11	3.07E-11	2.43E-11	3.09E-13	7.46E-12	4.12E-13	8.18232E-12	6.595E-09	3.8873E-06	6.7132E-07	1.04076E-11	1.24891E-12	5.19475E-12	2.0779E-13
378	571550.6	4178359	0.55, 41783	0.76622	0.67498	0.82026	72.9064	50.52239	102.58687	12.13868	9.07968	17.28494	2.74E-08	3.43E-06	5.78E-07	8.46E-12	2.55E-11	2.02E-11	2.57E-13	6.2E-12	3.42E-13	6.80261E-12	5.483E-09	3.4284E-06	5.77682E-07	8.65263E-12	1.03832E-12	4.3188E-12	1.72752E-13
379	571590.6	4178359	0.55, 41783	0.64386	0.57575	0.68602	65.94968	47.48497	92.44167	10.99161	8.00686	15.40694	2.29E-08	3.09E-06	5.15E-07	7.08E-12	2.14E-11	1.69E-11	2.15E-13	5.19E-12	2.86E-13	5.68935E-12	4.586E-09	3.0894E-06	5.14919E-07	7.23661E-12	8.68393E-13	3.61202E-12	1.44481E-13
380	570310.6	4178399	0.55, 41783	0.11287	0.08031	0.1093	71.34246	27.87564	79.43468	11.89041	3.82503	13.23911	3.65E-09	2.65E-06	4.42E-07	1.13E-12	3.4E-12	2.69E-12	3.42E-14	8.27E-13	4.56E-14	9.06434E-13	7.306E-10	2.6546E-06	4.4249E-07	1.15294E-12	1.38353E-13	5.75471E-13	2.30189E-14
381	570350.6	4178399	0.55, 41783	0.12665	0.09175	0.12214	75.96419	29.57043	83.22909	12.46202	4.12173	13.80548	4.08E-09	2.78E-06	4.61E-07	1.26E-12	3.8E-12	3E-12	3.82E-14	9.24E-13	5.1E-14	1.01292E-12	8.164E-10	2.7814E-06	4.6142E-07	1.28839E-12	1.54607E-13	6.43078E-13	2.57231E-14
382	570390.6	4178399	0.55, 41783	0.1425	0.10434	0.13672	83.29233	31.439	92.96873	13.04897	4.44958	14.404	4.57E-09	3.11E-06	4.81E-07	1.41E-12	4.26E-12	3.36E-12	4.28E-14	1.03E-12	5.71E-14	1.13384E-12	9.139E-10	3.1069E-06	4.81425E-07	1.44219E-12	1.73063E-13	7.19845E-13	2.87938E-14
383	570430.6	4178399	0.55, 41783	0.16211	0.12032	0.15453	91.32735	33.521	103.76057	14.59534	4.81492	15.65812	5.16E-09	3.47E-06	5.23E-07	1.59E-12	4.81E-12	3.8E-12	4.84E-14	1.17E-12	6.45E-14	1.28154E-12	1.033E-09	3.4675E-06	5.23345E-07	1.63007E-12	1.95608E-13	8.13619E-13	3.25448E-14
384	570470.6	4178399	0.55, 41783	0.18668	0.14051	0.17655	100.43451	35.89015	115.76296	16.57018	5.22899	18.35818	5.9E-09	3.87E-06	6.14E-07	1.82E-12	5.5E-12	4.34E-12	5.53E-14	1.34E-12	7.37E-14	1.46417E-12	1.18E-09	3.8686E-06	6.13585E-07	1.86236E-12	2.23483E-13	9.29562E-13	3.71825E-14
385	570510.6	4178399	0.55, 41783	0.21834	0.16684	0.20421	112.76596	38.62084	128.93318	18.79433	5.70408	21.48886	6.83E-09	4.31E-06	7.18E-07	2.11E-12	6.36E-12	5.02E-12	6.39E-14	1.54E-12	8.53E-14	1.69357E-12	1.365E-09	4.3087E-06	7.18216E-07	2.15414E-12	2.58497E-13	1.0752E-12	4.30081E-14
386	570550.6	4178399	0.55, 41783	0.26039	0.20212	0.2399	127.75395	41.82578	149.79254	21.29232	6.25899	24.96542	8.02E-09	5.01E-06	8.34E-07	2.47E-12	7.47E-12	5.9E-12	7.51E-14	1.81E-12	1E-13	1.98957E-12	1.604E-09	5.0057E-06	8.34407E-07	2.53064E-12	3.03677E-13	1.26312E-12	5.0525E-14
387	570590.6	4178399	0.55, 41783	0.3185	0.25095	0.28739	144.10526	45.67081	172.10131	24.01754	7.17597	28.68355	9.61E-09	5.75E-06	9.59E-07	2.96E-12	8.95E-12	7.07E-12	9E-14	2.17E-12	1.2E-13	2.38343E-12	1.921E-09	5.7512E-06	9.58672E-07	3.03163E-12	3.63795E-13	1.51318E-12	6.05273E-14
388	570630.6	4178399	0.55, 41783	0.40291	0.32135	0.35272	177.65061	50.39519	203.06539	27.05917	8.74903	32.05961	1.18E-08	6.79E-06	1.07E-06	3.64E-12	1.1E-11	8.68E-12	1.1E-13	2.67E-12	1.47E-13	2.92527E-12	2.358E-09	6.7859E-06	1.07151E-06	3.72082E-12	4.46498E-13	1.85718E-12	7.42872E-14
389	570670.6	4178399	0.55, 41783	0.53348	0.4284	0.44753	224.79663	56.41372	278.51402	32.60934	10.76331	39.25369	1.5E-08	9.31E-06	1.31E-06	4.62E-12	1.39E-11	1.1E-11	1.4E-13	3.38E-12	1.87E-13	3.71162E-12	2.992E-09	9.3071E-06	1.31195E-06	4.72102E-12	5.66523E-13	2.35641E-12	9.42565E-14
390	570710.6	4178399	0.55, 41783	0.75271	0.60288	0.59636	297.96202	70.92072	361.49768	41.13122	14.0152	50.83456	1.99E-08	1.21E-05	1.7E-06	6.15E-12	1.86E-11	1.47E-11	1.87E-13	4.51E-12	2.49E-13	4.94603E-12	3.987E-09	1.208E-05	1.699E-06	6.29114E-12	7.54936E-13	3.14011E-12	1.25604E-13
391	570750.6	4178399	0.55, 41783	1.15447	0.90762	0.85203	416.42427	90.04322	551.74774	52.05303	22.1169	68.96847	2.85E-08	1.84E-05	2.31E-06	8.79E-12	2.65E-11	2.1E-11	2.67E-13	6.44E-12	3.56E-13	7.06659E-12	5.696E-09	1.8438E-05	2.30504E-06	8.9884E-12	1.07861E-12	4.4864E-12	1.79456E-13
392	570790.6	4178399	0.55, 41783	1.70092	1.35462	1.23288	632.44551	121.09647	736.15706	79.05569	31.00919	92.01963	4.12E-08	2.46E-05	3.08E-06	1.27E-11	3.84E-11	3.03E-11	3.86E-13	9.32E-12	5.15E-13	1.02254E-11	8.242E-09	2.46E-05	3.07553E-06	1.30063E-11	1.56075E-12	6.49184E-12	2.59673E-13
393	570830.6	4178399	0.55, 41783	3.46088	2.976	2.05541	854.46592	185.76652	929.26678	157.19416	64.23703	133.05669	6.87E-08	3.11E-05	4.45E-06	2.12E-11	6.4E-11	5.06E-11	6.44E-13	1.55E-11	8.58E-13	1.7049E-11	1.374E-08	3.1053E-05	4.44749E-06	2.16856E-11	2.60227E-12	1.0824E-11	4.32959E-13
394	571110.6	4178399	0.55, 41783	4.7766	17.70794	5.53677	386.44752	237.89657	1139.86397	91.74551	117.26543	182.49582	1.85E-07	3.81E-05	6.1E-06	5.71E-11	1.73E-10	1.36E-10	1.73E-12	4.19E-11	2.31E-12	4.59446E-11	3.703E-08	3.8091E-05	6.09888E-06	5.84395E-11	7.01274E-12	2.9169E-11	1.16676E-12
395	571150.6	4178399	0.55, 41783	4.75682	9.04164	4.75414	493.27775	194.83019	977.82767	91.47407	80.27894	179.74579	1.59E-07	3.27E-05	6.01E-06	4.9E-11	1.48E-10	1.17E-10	1.49E-12	3.6E-11	1.99E-12	3.94378E-11	3.179E-08	3.2676E-05	6.00699E-06	5.01632E-11	6.01958E-12	2.5038E-11	1.00152E-12
396	571190.6	4178399	0.55, 41783	4.13591	5.67532	3.9763	541.83424	159.29594	784.3481	82.25115	55.55038	130.43816	1.33E-07	2.62E-05	4.36E-06	4.1E-11	1.24E-10	9.78E-11	1.25E-12	3.01E-11	1.66E-12	3.29814E-11	2.658E-08	2.6211E-05	4.35931E-06	4.19509E-11	5.03411E-12	2.09391E-11	8.37562E-13
397	571230.6	4178399	0.55, 41783	3.34043	3.91116	3.41587	419.25179	113.41297	723.05548	67.92735	42.50701	103.29364	1.14E-07	2.42E-05	3.45E-06	3.52E-11	1.06E-10	8.4E-11	1.07E-12	2.58E-11	1.43E-12	2.83309E-11	2.284E-08	2.4162E-05	3.45215E-06	3.60357E-11	4.32428E-12	1.79866E-11	7.19463E-13
398	571270.6	4178399	0.55, 41783	2.69096	2.84934	2.72459	276.99568	96.24025	620.23738	46.4546	32.10306	94.16047	9.11E-08	2.07E-05	3.15E-06	2.81E-11	8.48E-11	6.7E-11	8.53E-13	2.06E-11	1.14E-12	2.25969E-11	1.821E-08	2.0726E-05	3.14677E-06	2.87423E-11	3.44908E-12	1.43462E-11	5.73849E-13
399	571310.6	4178399	0.55, 41783	2.15304	2.16763	2.23142	240.01182	84.08056	257.12386	39.08125	24.00367	52.53394	7.46E-08	8.59E-06	1.76E-06	2.3E-11	6.95E-11	5.49E-11	6.99E-13	1.69E-11	9.32E-13	1.85064E-11	1.492E-08	8.5926E-06	1.75576E-06	2.35393E-11	2.82472E-12	1.17492E-11	4.69969E-13
400	571350.6	4178399	0.55, 41783	1.74135	1.70512	1.85867	224.12525	73.73672	326.22415	31.06226	18.34101	44.13622	6.21E-08	1.09E-05	1.48E-06	1.92E-11	5.79E-11	4.57E-11	5.82E-13	1.41E-11	7.76E-13	1.54148E-11	1.242E-08	1.0901E-05	1.47508E-06	1.96069E-11	2.35283E-12	9.78643E-12	3.91457E-13
401	571390.6	4178399	0.55, 41783	1.43215	1.37481	1.54866	207.21833	64.01827	312.56807	26.21992	15.02288	39.07101	5.18E-08	1.04E-05	1.31E-06	1.6E-11	4.82E-11	3.81E-11	4.85E-13	1.17E-11	6.47E-13	1.28436E-11	1.035E-08	1.0445E-05	1.30579E-06	1.63365E-11	1.96038E-12	8.15408E-12	3.26163E-13
402	571430.6	4178399	0.55, 41783	1.19016	1.12906	1.29293	179.9524	59.14274	244.73255	22.49405	12.88734	30.59157	4.32E-08	8.18E-06	1.02E-06	1.33E-11	4.03E-11	3.18E-11	4.05E-13	9.78E-12	5.4E-13	1.07227E-11	8.643E-09	8.1783E-06	1.02241E-06	1.36388E-11	1.63666E-12	6.80757E-12	2.72303E-13
403	571470.6	4178399	0.55, 41783	0.9966	0.93995	1.08271	146.8642	55.47011	170.50633	18.35802	11.23121	21.31329	3.62E-08	5.7E-06	7.12E-07	1.12E-11	3.37E-11	2.66E-11	3.39E-13	8.19E-12	4.52E-13	8.97927E-12	7.237E-09	5.698E-06	7.12345E-07	1.14212E-11	1.37055E-12	5.70071E-12	2.28028E-13
404	571510.6	4178399	0.55, 41783	0.8441	0.79417	0.91453	113.63796	52.27286	111.23462	14.20474	9.85599	18.36688	3.06E-08	3.72E-06	6.14E-07	9.43E-12	2.85E-11	2.25E-11	2.86E-13	6.92E-12	3.82E-13	7.5845E-12	6.113E-09	3.7174E-06	6.13854E-07	9.64715E-12	1.15766E-12	4.8152E-12	1.92608E-13
405	571550.6	4178399	0.55, 41783	0.71988	0.67749	0.77601	84.04695	49.45688	81.90115	12.59546	8.65245	16.41022	2.59E-08	2.74E-06	5.48E-07	8E-12	2.42E-11	1.91E-11	2.43E-13	5.87E-12	3.24E-13	6.43571E-12	5.187E-09	2.7372E-06	5.48458E-07	8.18595E-12	9.82314E-13	4.08587E-12	1.63435E-13
406	571590.6	4178399	0.55, 41783	0.61846	0.58359	0.66441	61.25343	46.95039	82.40366	11.31778	7.65227	14.12983	2.22E-08	2.75E-06	4.72E-07	6.85E-12	2.07E-11	1.63E-11	2.08E-13	5.02E-12	2.77E-13	5.51019E-12	4.441E-09	2.7539E-06	4.72248E-07	7.00872E-12	8.41046E-13	3.49827E-12	1.39931E-13
407	570310.6	4178439	0.55, 41784	0.11265	0.08111	0.10949	78.47962	27.91467	88.7071	13.07994	3.48933	14.78452	3.66E-09	2.96E-06	4.94E-07	1.13E-12	3.41E-12	2.69E-12	3.43E-14	8.28E-13	4.57E-14	9.08011E-13	7.319E-10	2.9644E-06	4.9414E-07	1.15495E-12	1.38594E-13	5.76473E-13	2.30589E-14
408	570350.6	4178439	0.55, 41784	0.12585	0.09139	0.12175	84.54471	29.62734	96.42477	14.09078	3.70342	16.0708	4.07E-09	3.22E-06	5.37E-07	1.26E-12	3.79E-12	2.99E-12	3.81E-14	9.21E-13	5.08E-14	1.00969E-12	8.138E-10	3.2223E-06	5.3713E-07	1.28428E-12	1.54113E-13	6.41024E-13	2.5641E-14
409	570390.6	4178439	0.55, 41784	0.14252	0.10489	0.13706	91.50908	31.67143	105.54781	15.25151	4.06451	17.5913	4.58E-09	3.53E-06	5.88E-07	1.41E-12	4.27E-12	3.37E-12	4.29E-14	1.04E-12	5.72E-14	1.13666E-12	9.162E-10	3.5272E-06	5.87948E-07	1.44578E-12	1.73494E-13	7.21635E-13	2.88654E-14
410	570430.6	4178439	0.55, 41784	0.16313	0.12204	0.15568	99.54775	33.93845	116.15512	16.59129	4.47421	19.35919	5.2E-09	3.88E-06	6.47E-07	1.61E-12	4.85E-12	3.83E-12	4.87E-14	1.18E-12	6.5E-14	1.29108E-12	1.041E-09	3.8817E-06	6.47034E-07	1.6422E-12	1.97064E-13	8.19675E-13	3.2787E-14
411	570470.6	4178439	0.55, 41784	0.18858	0.14267	0.1783	108.92524	36.54882	128.38607	18.15421	4.93599	21.39768	5.96E-09	4.29E-06	7.15E-07	1.84E-12	5.55E-12	4.39E-12	5.58E-14	1.35E-12	7.44E-14	1.47868E-12	1.192E-09	4.2904E-06	7.15163E-07	1.88082E-12	2.25698E-13	9.38777E-13	3.75511E-14
412	570510.6	4178439	0.55, 41784	0.22167	0.16966	0.20722	120.34611	39.98702	143.34164	20.05769	5.68986	23.89027	6.93E-09	4.79E-06	7.98E-07	2.14E-12	6.45E-12	5.1E-12	6.49E-14	1.57E-12	8.65E-14	1.71853E-12	1.385E-09	4.7902E-06	7.9847E-07	2.1859E-12	2.62307E-13	1.09105E-12	4.3642E-14
413	570550.6	4178439	0.55, 41784	0.2658	0.20594	0.24496	134.27176	44.24032	161.13607	22.37863	6.83821	26.85601	8.19E-09	5.38E-06	8.98E-07	2.53E-12	7.63E-12	6.03E-12	7.67E-14	1.85E-12	1.02E-13	2.03153E-12	1.637E-09	5.3848E-06	8.97591E-07	2.58402E-12	3.10082E-13	1.28977E-12	5.15906E-14
414	570590.6	4178439	0.55, 41784	0.3272	0.25654	0.29583	151.91315	49.32778	182.29969	25.31886	8.30482	30.38328	9.89E-09	6.09E-06	1.02E-06	3.05E-12	9.21E-12	7.28E-12	9.26E-14	2.24E-12	1.24E-13	2.45343E-12	1.977E-09	6.092E-06	1.01548E-06	3.12065E-12	3.74478E-13	1.55762E-12	6.23047E-14
415	570630.6	4178439	0.55, 41784	0.41735	0.33056	0.3671	175.42083	55.6235	213.97884	29.2368	10.21264	34.63299	1.23E-08	7.15E-06	1.16E-06	3.79E-12	1.14E-11	9.03E-12	1.15E-13	2.78E-12	1.53E-13	3.04452E-12	2.454E-09	7.1507E-06	1.15752E-06	3.8725E-12	4.647E-13	1.93289E-12	7.73156E-14
416	570670.6	4178439	0.55, 41784	0.56024	0.44648	0.47194	208.37177	63.80907	268.23017	34.72863	12.75328	41.38807	1.58E-08	8.96E-06	1.38E-06	4.87E-12	1.47E-11	1.16E-11	1.48E-13	3.57E-12	1.97E-13	3.91406E-12	3.155E-09	8.9635E-06	1.38329E-06	4.97851E-12	5.97421E-13	2.48493E-12	9.93974E-14
417	570710.6	4178439	0.55, 41784	0.81434	0.64609	0.63688	258.28683	75.2647	339.8113	43.04781	16.40047	56.02404	2.13E-08	1.14E-05	1.87E-06	6.57E-12	1.98E-11	1.57E-11	1.99E-13	4.82E-12	2.66E-13	5.2821E-12	4.257E-09	1.1356E-05	1.87242E-06	6.7186E-12	8.06232E-13	3.35347E-12	1.34139E-13
418	570750.6	4178439	0.55, 41784	1.35572	1.03003	0.91926	343.9155	93.10334	457.76974	57.16949	22.25077	76.29496	3.07E-08	1.53E-05	2.55E-06	9.48E-12	2.86E-11	2.26E-11	2.88E-13	6.95E-12	3.84E-13	7.62432E-12	6.145E-09	1.5297E-05	2.5499E-06	9.6978E-12	1.16374E-12	4.84048E-12	1.93619E-13
419	570790.6	4178439	0.55, 41784	3.18264	2.0617	1.49283	571.47263	129.70009	738.76969	95.66015	38.79176	110.20608	4.99E-08	2.47E-05	3.68E-06	1.54E-11	4.65E-11	3.67E-11	4.67E-13	1.13E-11	6.23E-13	1.23825E-11	9.98E-09	2.4687E-05	3.68338E-06	1.575E-11	1.89E-12	7.86134E-12	3.14454E-13
420	571070.6	4178439	0.55, 41784	4.74443	12.25677	5.33303	251.71558	235.3671	557.08631	48.15254	87.29167	78.37734	1.78E-07	1.86E-05	2.62E-06	5.5E-11	1.66E-10	1.31E-10	1.67E-12	4.03E-11	2.23E-12	4.42441E-11	3.566E-08	1.8617E-05	2.6194E-06	5.62766E-11	6.75319E-12	2.80895E-11	1.12358E-12
421	571110.6	4178439	0.55, 41784	3.89854	10.39914	4.234	292.37938	213.76959	730.76501	54.55193	96.69541	95.26587	1.42E-07	2.44E-05	3.18E-06	4.37E-11	1.32E-10	1.04E-10	1.33E-12	3.2E-11	1.77E-12	3.51277E-11	2.831E-08	2.442E-05	3.18378E-06	4.46809E-11	5.36171E-12	2.23017E-11	8.92067E-13
422	571150.6	4178439	0.55, 41784	3.24566	6.14355	3.38328	299.25996	151.74182	537.6659	53.26943	58.88405	104.89405	1.13E-07	1.8E-05	3.51E-06	3.49E-11	1.05E-10	8.32E-11	1.06E-12	2.56E-11	1.41E-12	2.80652E-11	2.262E-08	1.7967E-05	3.50549E-06	3.56978E-11	4.28373E-12	1.78179E-11	7.12716E-13
423	571190.6	4178439	0.55, 41784	2.68652	4.20662	2.81661	319.22111	114.25705	663.08885	45.60302	42.68486	97.00809	9.42E-08	2.22E-05	3.24E-06	2.91E-11	8.77E-11	6.93E-11	8.82E-13	2.13E-11	1.18E-12	2.33627E-11	1.883E-08	2.2158E-05	3.24191E-06	2.97163E-11	3.56596E-12	1.48324E-11	5.93295E-13
424	571230.6	4178439	0.55, 41784	2.2851	3.10379	2.38014	355.31137	114.374	594.35462	48.25343	33.87475	78.4876	7.96E-08	1.99E-05	2.62E-06	2.46E-11	7.41E-11	5.86E-11	7.45E-13	1.8E-11	9.94E-13	1.97414E-11	1.591E-08	1.9861E-05	2.62308E-06	2.51102E-11	3.01323E-12	1.25333E-11	5.01333E-13
425	571270.6	4178439	0.55, 41784	1.91581	2.39067	2.08735	281.61312	92.35093	457.23387	43.32371	28.45229	65.31912	6.98E-08	1.53E-05	2.18E-06	2.15E-11	6.5E-11	5.13E-11	6.54E-13	1.58E-11	8.71E-13	1.73123E-11	1.395E-08	1.5279E-05	2.18302E-06	2.20204E-11	2.64245E-12	1.09911E-11	4.39644E-13
426	571310.6	4178439	0.55, 41784	1.62017	1.88774	1.73959	249.98498	75.512	443.82502	38.72011	23.46838	65.04063	5.81E-08	1.48E-05	2.17E-06	1.79E-11	5.42E-11	4.28E-11	5.45E-13	1.32E-11	7.26E-13	1.44278E-11	1.163E-08	1.4831E-05	2.17367E-06	1.83515E-11	2.20218E-12	9.15982E-12	3.66393E-13
427	571350.6	4178439	0.55, 41784	1.36969	1.52492	1.4607	207.90528	71.02603	289.54604	31.99215	18.96422	43.80183	4.88E-08	9.68E-06	1.46E-06	1.51E-11	4.55E-11	3.59E-11	4.57E-13	1.1E-11	6.1E-13	1.21146E-11	9.765E-09	9.6759E-06	1.46392E-06	1.54092E-11	1.84911E-12	7.69124E-12	3.0765E-13
428	571390.6	4178439	0.55, 41784	1.16602	1.25794	1.25769	137.82846	66.02867	157.99714	21.56098	15.29437	27.7078	4.2E-08	5.28E-06	9.26E-07	1.3E-11	3.92E-11	3.09E-11	3.94E-13	9.51E-12	5.25E-13	1.04308E-11	8.407E-09	5.2801E-06	9.26045E-07	1.32675E-11	1.5921E-12	6.62223E-12	2.64889E-13
429	571430.6	4178439	0.55, 41784	1.00225	1.05165	1.08939	150.81052	60.59063	188.78292	19.07395	12.70811	25.02004	3.64E-08	6.31E-06	8.36E-07	1.12E-11	3.39E-11	2.68E-11	3.41E-13	8.24E-12	4.55E-13	9.03488E-12	7.282E-09	6.3088E-06	8.36212E-07	1.1492E-11	1.37904E-12	5.73602E-12	2.29441E-13
430	571470.6	4178439	0.55, 41784	0.86528	0.88825	0.94207	153.64691	54.59461	206.40776	19.20586	10.6849	25.80097	3.15E-08	6.9E-06	8.62E-07	9.72E-12	2.93E-11	2.32E-11	2.95E-13	7.12E-12	3.93E-13	7.81304E-12	6.297E-09	6.8976E-06	8.62308E-07	9.93785E-12	1.19254E-12	4.9603E-12	1.98412E-13
431	571510.6	4178439	0.55, 41784	0.75493	0.76151	0.82291	144.52703	49.13224	189.90829	18.06588	9.74189	23.73854	2.75E-08	6.35E-06	7.93E-07	8.49E-12	2.56E-11	2.02E-11	2.58E-13	6.22E-12	3.44E-13	6.82476E-12	5.501E-09	6.3463E-06	7.93382E-07	8.6808E-12	1.0417E-12	4.33286E-12	1.73315E-13
432	571550.6	4178439	0.55, 41784	0.65913	0.65716	0.71761	127.58758	46.59598	156.05984	15.94845	8.8858	19.50748	2.4E-08	5.22E-06	6.52E-07	7.4E-12	2.23E-11	1.77E-11	2.25E-13	5.43E-12	3E-13	5.95144E-12	4.797E-09	5.2152E-06	6.51983E-07	7.56998E-12	9.08398E-13	3.77842E-12	1.51137E-13
433	571590.6	4178439	0.55, 41784	0.57626	0.57045	0.62441	106.82976	44.35137	118.44703	13.35372	8.08009	14.80588	2.09E-08	3.96E-06	4.95E-07	6.44E-12	1.94E-11	1.54E-11	1.95E-13	4.72E-12	2.61E-13	5.17849E-12	4.174E-09	3.9583E-06	4.94856E-07	6.58682E-12	7.90419E-13	3.28769E-12	1.31508E-13
434	570310.6	4178479	0.55, 41784	0.1113	0.08183	0.10709	74.58423	29.47815	84.27127	11.80727	4.00274	12.56763	3.58E-09	2.82E-06	4.2E-07	1.1E-12	3.33E-12	2.63E-12	3.35E-14	8.1E-13	4.47E-14	8.88113E-13	7.158E-10	2.8162E-06	4.20052E-07	1.12964E-12	1.35557E-13	5.6384E-13	2.25536E-14
435	570350.6	4178479	0.55, 41784	0.12561	0.09388	0.12027	80.0812	31.76761	91.05741	12.83362	4.33491	13.82729	4.02E-09	3.04E-06	4.62E-07	1.24E-12	3.75E-12	2.96E-12	3.77E-14	9.1E-13	5.02E-14	9.9742E-13	8.039E-10	3.043E-06	4.62152E-07	1.26868E-12	1.52241E-13	6.33237E-13	2.53295E-14
436	570390.6	4178479	0.55, 41784	0.14146	0.10678	0.13471	86.10528	34.01158	98.86723	14.01299	4.67053	15.28263	4.5E-09	3.3E-06	5.11E-07	1.39E-12	4.19E-12	3.31E-12	4.22E-14	1.02E-12	5.62E-14	1.11718E-12	9.005E-10	3.304E-06	5.10793E-07	1.421E-12	1.7052E-13	7.09267E-13	2.83707E-14
437	570430.6	4178479	0.55, 41784	0.16075	0.12266	0.15218	93.00088	36.36689	108.11431	15.32204	5.02469	17.00047	5.09E-09	3.61E-06	5.68E-07	1.57E-12	4.74E-12	3.74E-12	4.76E-14	1.15E-12	6.35E-14	1.26206E-12	1.017E-09	3.613E-06	5.68206E-07	1.60529E-12	1.92635E-13	8.01252E-13	3.20501E-14
438	570470.6	4178479	0.55, 41784	0.18644	0.14379	0.17515	101.96042	39.51551	120.09702	16.93263	5.48718	19.18544	5.85E-09	4.01E-06	6.41E-07	1.81E-12	5.45E-12	4.31E-12	5.48E-14	1.32E-12	7.31E-14	1.45257E-12	1.171E-09	4.0134E-06	6.41231E-07	1.8476E-12	2.21712E-13	9.22196E-13	3.68879E-14
439	570510.6	4178479	0.55, 41784	0.22079	0.17209	0.20548	113.44919	43.50567	135.70428	18.9082	6.17272	22.02345	6.87E-09	4.53E-06	7.36E-07	2.12E-12	6.4E-12	5.05E-12	6.43E-14	1.55E-12	8.58E-14	1.70411E-12	1.374E-09	4.535E-06	7.3608E-07	2.16755E-12	2.60106E-13	1.08189E-12	4.32758E-14
440	570550.6	4178479	0.55, 41784	0.2667	0.21004	0.24533	127.7059	48.20733	155.63974	21.28432	7.34053	25.62853	8.2E-09	5.2E-06	8.57E-07	2.53E-12	7.64E-12	6.03E-12	7.68E-14	1.86E-12	1.02E-13	2.03461E-12	1.64E-09	5.2012E-06	8.56565E-07	2.58793E-12	3.10552E-13	1.29172E-12	5.16687E-14
441	570590.6	4178479	0.55, 41784	0.32931	0.26248	0.29831	144.67878	53.44745	182.17951	24.11313	8.81975	30.24215	9.97E-09	6.09E-06	1.01E-06	3.08E-12	9.29E-12	7.34E-12	9.34E-14	2.26E-12	1.25E-13	2.474E-12	1.994E-09	6.088E-06	1.01075E-06	3.14682E-12	3.77619E-13	1.57068E-12	6.28272E-14
442	570630.6	4178479	0.55, 41784	0.42133	0.33962	0.37314	165.95931	60.05375	219.0797	27.65989	10.77683	36.51328	1.25E-08	7.32E-06	1.22E-06	3.85E-12	1.16E-11	9.18E-12	1.17E-13	2.82E-12	1.56E-13	3.09462E-12	2.494E-09	7.3211E-06	1.22033E-06	3.93623E-12	4.72347E-13	1.9647E-12	7.85878E-14
443	570670.6	4178479	0.55, 41784	0.56746	0.46145	0.48445	193.36004	69.0612	272.47405	32.22667	13.5092	45.41234	1.62E-08	9.11E-06	1.52E-06	5E-12	1.51E-11	1.19E-11	1.52E-13	3.66E-12	2.02E-13	4.01781E-12	3.238E-09	9.1054E-06	1.51773E-06	5.11049E-12	6.13258E-13	2.55081E-12	1.02032E-13
444	570710.6	4178479	0.55, 41784	0.83023	0.67528	0.66195	236.53606	81.84268	352.22256	39.07222	17.68943	58.70376	2.21E-08	1.18E-05	1.96E-06	6.83E-12	2.06E-11	1.63E-11	2.07E-13	5.01E-12	2.76E-13	5.49002E-12	4.425E-09	1.177E-05	1.96193E-06	6.98307E-12	8.37969E-13	3.48548E-12	1.39419E-13
445	570750.6	4178479	0.55, 41784	1.42426	1.12918	0.97629	342.03514	102.90165	482.1747	49.67165	25.1054	80.36245	3.26E-08	1.61E-05	2.69E-06	1.01E-11	3.04E-11	2.4E-11	3.06E-13	7.38E-12	4.08E-13	8.09739E-12	6.527E-09	1.6113E-05	2.68574E-06	1.02995E-11	1.23594E-12	5.14082E-12	2.05633E-13
446	570790.6	4178479	0.55, 41784	3.63047	2.75084	1.62936	596.75244	187.47347	722.34167	107.7468	51.23422	120.39028	5.45E-08	2.41E-05	4.02E-06	1.68E-11	5.08E-11	4.01E-11	5.1E-13	1.23E-11	6.8E-13	1.3516E-11	1.089E-08	2.4139E-05	4.02379E-06	1.71918E-11	2.06302E-12	8.58099E-12	3.43239E-13
447	571030.6	4178479	0.55, 41784	9.40071	15.68167	11.18665	333.68631	267.08575	756.18793	81.11776	110.69164	178.64972	3.74E-07	2.53E-05	5.97E-06	1.15E-10	3.48E-10	2.75E-10	3.5E-12	8.46E-11	4.67E-12	9.27866E-11	7.479E-08	2.527E-05	5.97027E-06	1.1802E-10	1.41625E-11	5.89078E-11	2.35631E-12
448	571070.6	4178479	0.55, 41784	5.59712	9.0131	6.53916	216.22006	204.77885	522.16381	54.58514	76.29745	101.00005	2.19E-07	1.74E-05	3.38E-06	6.75E-11	2.04E-10	1.61E-10	2.05E-12	4.95E-11	2.73E-12	5.42381E-11	4.372E-08	1.745E-05	3.37539E-06	6.89885E-11	8.27863E-12	3.44344E-11	1.37738E-12
449	571110.6	4178479	0.55, 41784	3.86033	5.8724	4.45436	232.77263	158.88759	526.3096	40.87392	60.11848	68.10823	1.49E-07	1.76E-05	2.28E-06	4.59E-11	1.39E-10	1.1E-10	1.39E-12	3.37E-11	1.86E-12	3.69455E-11	2.978E-08	1.7588E-05	2.27619E-06	4.69931E-11	5.63917E-12	2.34558E-11	9.3823E-13
450	571150.6	4178479	0.55, 41784	2.87873	4.17215	3.24074	243.47288	131.88403	510.79766	36.94401	47.80365	68.59206	1.08E-07	1.71E-05	2.29E-06	3.34E-11	1.01E-10	7.97E-11	1.01E-12	2.45E-11	1.35E-12	2.68793E-11	2.167E-08	1.7069E-05	2.29232E-06	3.41893E-11	4.10271E-12	1.7065E-11	6.82598E-13
451	571190.6	4178479	0.55, 41784	2.25924	3.11768	2.54212	272.99859	103.34976	495.79992	40.61499	35.56429	82.63332	8.5E-08	1.66E-05	2.76E-06	2.62E-11	7.92E-11	6.25E-11	7.96E-13	1.92E-11	1.06E-12	2.10845E-11	1.699E-08	1.6568E-05	2.76154E-06	2.68185E-11	3.21823E-12	1.3386E-11	5.3544E-13
452	571230.6	4178479	0.55, 41784	1.86428	2.43731	2.04705	228.60917	88.43023	428.91859	34.9281	28.65964	53.61482	6.84E-08	1.43E-05	1.79E-06	2.11E-11	6.38E-11	5.04E-11	6.41E-13	1.55E-11	8.55E-13	1.69782E-11	1.368E-08	1.4333E-05	1.79184E-06	2.15955E-11	2.59146E-12	1.0779E-11	4.31161E-13
453	571270.6	4178479	0.55, 41784	1.58233	1.95726	1.72288	275.18297	89.4878	451.79055	39.56066	24.38596	62.99097	5.76E-08	1.51E-05	2.11E-06	1.78E-11	5.37E-11	4.24E-11	5.39E-13	1.3E-11	7.19E-13	1.42894E-11	1.152E-08	1.5097E-05	2.10519E-06	1.81754E-11	2.18105E-12	9.07194E-12	3.62878E-13
454	571310.6	4178479	0.55, 41784	1.35793	1.6065	1.5101	222.77943	77.47813	328.49847	32.82803	21.05024	46.46168	5.05E-08	1.1E-05	1.55E-06	1.56E-11	4.7E-11	3.71E-11	4.73E-13	1.14E-11	6.3E-13	1.25244E-11	1.009E-08	1.0978E-05	1.5528E-06	1.59304E-11	1.91165E-12	7.95139E-12	3.18056E-13
455	571350.6	4178479	0.55, 41784	1.1642	1.33076	1.27594	210.30644	64.61424	297.95893	30.9494	18.13628	42.55235	4.26E-08	9.96E-06	1.42E-06	1.32E-11	3.97E-11	3.14E-11	4E-13	9.65E-12	5.33E-13	1.05822E-11	8.529E-09	9.9569E-06	1.42216E-06	1.34602E-11	1.61522E-12	6.71839E-12	2.68736E-13
456	571390.6	4178479	0.55, 41784	1.001	1.11694	1.07653	187.8278	60.73144	278.37154	27.7002	15.35336	39.86006	3.6E-08	9.3E-06	1.33E-06	1.11E-11	3.35E-11	2.65E-11	3.37E-13	8.14E-12	4.49E-13	8.92839E-12	7.196E-09	9.3024E-06	1.33217E-06	1.13565E-11	1.36278E-12	5.66841E-12	2.26736E-13
457	571430.6	4178479	0.55, 41784	0.8626	0.94616	0.9271	141.00765	57.76687	153.44465	20.99683	12.7525	23.01436	3.1E-08	5.13E-06	7.69E-07	9.56E-12	2.89E-11	2.28E-11	2.9E-13	7.01E-12	3.87E-13	7.68904E-12	6.197E-09	5.1279E-06	7.6921E-07	9.78012E-12	1.17361E-12	4.88157E-12	1.95263E-13
458	571470.6	4178479	0.55, 41784	0.75511	0.81334	0.81471	85.41876	54.87579	110.14274	13.60469	11.10539	17.11986	2.72E-08	3.68E-06	5.72E-07	8.4E-12	2.54E-11	2E-11	2.55E-13	6.16E-12	3.4E-13	6.75687E-12	5.446E-09	3.6809E-06	5.7218E-07	8.59445E-12	1.03133E-12	4.28977E-12	1.71591E-13
459	571510.6	4178479	0.55, 41784	0.666	0.70453	0.71826	104.54177	51.61661	121.24791	13.06772	9.4895	15.99878	2.4E-08	4.05E-06	5.35E-07	7.41E-12	2.24E-11	1.77E-11	2.25E-13	5.43E-12	3E-13	5.95693E-12	4.801E-09	4.052E-06	5.34714E-07	7.57696E-12	9.09235E-13	3.7819E-12	1.51276E-13
460	571550.6	4178479	0.55, 41784	0.58993	0.61436	0.63446	114.23468	47.78612	141.81512	14.27934	8.47335	17.72689	2.12E-08	4.74E-06	5.92E-07	6.54E-12	1.98E-11	1.56E-11	1.99E-13	4.8E-12	2.65E-13	5.26192E-12	4.241E-09	4.7392E-06	5.9247E-07	6.69293E-12	8.03152E-13	3.34066E-12	1.33626E-13
461	571590.6	4178479	0.55, 41784	0.5248	0.5396	0.56365	114.71837	43.31659	143.69009	14.3398	7.89274	17.96126	1.88E-08	4.8E-06	6E-07	5.81E-12	1.76E-11	1.39E-11	1.76E-13	4.26E-12	2.35E-13	4.67464E-12	3.768E-09	4.8018E-06	6.00301E-07	5.94594E-12	7.13513E-13	2.96781E-12	1.18712E-13
462	570310.6	4178519	0.55, 41785	0.10968	0.08323	0.10459	75.92481	30.95134	85.20389	12.65413	4.31611	14.20065	3.5E-09	2.85E-06	4.75E-07	1.08E-12	3.26E-12	2.57E-12	3.27E-14	7.91E-13	4.37E-14	8.67387E-13	6.991E-10	2.8474E-06	4.74626E-07	1.10328E-12	1.32393E-13	5.50682E-13	2.20273E-14
463	570350.6	4178519	0.55, 41785	0.12253	0.09413	0.11632	80.98331	32.52203	91.70345	13.49722	4.56123	15.28391	3.89E-09	3.06E-06	5.11E-07	1.2E-12	3.62E-12	2.86E-12	3.64E-14	8.8E-13	4.86E-14	9.64669E-13	7.775E-10	3.0646E-06	5.10831E-07	1.22702E-12	1.47242E-13	6.12444E-13	2.44978E-14
464	570390.6	4178519	0.55, 41785	0.13706	0.10653	0.12954	86.4192	34.09518	99.00991	14.4032	4.78567	16.50165	4.33E-09	3.31E-06	5.52E-07	1.34E-12	4.03E-12	3.19E-12	4.06E-14	9.8E-13	5.41E-14	1.07431E-12	8.659E-10	3.3087E-06	5.5153E-07	1.36648E-12	1.63977E-13	6.82052E-13	2.72821E-14
465	570430.6	4178519	0.55, 41785	0.15657	0.12308	0.14711	93.48729	36.56809	108.68156	15.58121	5.11226	18.11359	4.92E-09	3.63E-06	6.05E-07	1.52E-12	4.58E-12	3.62E-12	4.61E-14	1.11E-12	6.14E-14	1.22003E-12	9.834E-10	3.6319E-06	6.05403E-07	1.55182E-12	1.86219E-13	7.74564E-13	3.09825E-14
466	570470.6	4178519	0.55, 41785	0.18113	0.14422	0.16907	101.65542	39.2669	120.52836	16.9419	5.47129	20.08806	5.65E-09	4.03E-06	6.71E-07	1.74E-12	5.26E-12	4.16E-12	5.29E-14	1.28E-12	7.06E-14	1.40215E-12	1.13E-09	4.0278E-06	6.71392E-07	1.78348E-12	2.14017E-13	8.90191E-13	3.56076E-14
467	570510.6	4178519	0.55, 41785	0.21556	0.17373	0.19928	112.42418	43.21366	137.68321	18.73736	6.23491	22.9472	6.66E-09	4.6E-06	7.67E-07	2.06E-12	6.21E-12	4.9E-12	6.24E-14	1.51E-12	8.32E-14	1.6527E-12	1.332E-09	4.6011E-06	7.66945E-07	2.10217E-12	2.5226E-13	1.04926E-12	4.19704E-14
468	570550.6	4178519	0.55, 41785	0.26244	0.21401	0.23948	127.39838	48.06291	159.66591	20.89373	7.26318	26.61098	8E-09	5.34E-06	8.89E-07	2.47E-12	7.46E-12	5.89E-12	7.5E-14	1.81E-12	1E-13	1.98611E-12	1.601E-09	5.3357E-06	8.89389E-07	2.52624E-12	3.03149E-13	1.26093E-12	5.04372E-14
469	570590.6	4178519	0.55, 41785	0.32438	0.26815	0.29055	146.74921	52.55391	186.84388	23.05175	8.49659	31.14065	9.71E-09	6.24E-06	1.04E-06	3E-12	9.05E-12	7.15E-12	9.1E-14	2.2E-12	1.21E-13	2.40967E-12	1.942E-09	6.2439E-06	1.04077E-06	3.065E-12	3.678E-13	1.52984E-12	6.11936E-14
470	570630.6	4178519	0.55, 41785	0.41604	0.34788	0.36203	170.82398	60.03664	221.85088	25.41079	10.076	36.97515	1.21E-08	7.41E-06	1.24E-06	3.73E-12	1.13E-11	8.91E-12	1.13E-13	2.74E-12	1.51E-13	3.00252E-12	2.42E-09	7.4137E-06	1.23575E-06	3.81908E-12	4.58289E-13	1.90622E-12	7.62489E-14
471	570670.6	4178519	0.55, 41785	0.56352	0.47347	0.46761	210.6175	71.54419	266.74609	27.95974	12.2085	44.45768	1.56E-08	8.91E-06	1.49E-06	4.82E-12	1.46E-11	1.15E-11	1.46E-13	3.54E-12	1.95E-13	3.87821E-12	3.126E-09	8.914E-06	1.4858E-06	4.93292E-12	5.9195E-13	2.46218E-12	9.84871E-14
472	570710.6	4178519	0.55, 41785	0.82936	0.69158	0.6351	257.30872	94.91316	337.8148	32.16359	16.3308	53.60133	2.12E-08	1.13E-05	1.79E-06	6.55E-12	1.98E-11	1.56E-11	1.99E-13	4.8E-12	2.65E-13	5.26744E-12	4.246E-09	1.1289E-05	1.79137E-06	6.69995E-12	8.03994E-13	3.34416E-12	1.33766E-13
473	570750.6	4178519	0.55, 41785	1.36529	1.13262	0.93188	327.60111	130.96882	473.41526	45.80096	29.91109	62.68561	3.11E-08	1.58E-05	2.1E-06	9.61E-12	2.9E-11	2.29E-11	2.92E-13	7.05E-12	3.89E-13	7.72916E-12	6.23E-09	1.582E-05	2.09504E-06	9.83116E-12	1.17974E-12	4.90705E-12	1.96282E-13
474	570790.6	4178519	0.55, 41785	2.09469	1.90095	1.39228	339.24086	174.34023	730.67406	59.4987	49.70987	91.33426	4.65E-08	2.44E-05	3.05E-06	1.44E-11	4.34E-11	3.43E-11	4.36E-13	1.05E-11	5.81E-13	1.15482E-11	9.308E-09	2.4417E-05	3.05245E-06	1.46889E-11	1.76266E-12	7.33168E-12	2.93267E-13
475	570990.6	4178519	0.55, 41785	30.9381	16.28557	11.79039	1645.60932	278.46944	1244.70182	444.29015	131.46412	279.7997	3.94E-07	4.16E-05	9.35E-06	1.22E-10	3.67E-10	2.9E-10	3.69E-12	8.92E-11	4.92E-12	9.77986E-11	7.883E-08	4.1595E-05	9.3535E-06	1.24396E-10	1.49275E-11	6.20898E-11	2.48359E-12
476	571030.6	4178519	0.55, 41785	10.39533	8.05295	7.62595	575.07494	188.36146	999.69988	130.51861	75.45666	173.23921	2.55E-07	3.34E-05	5.79E-06	7.87E-11	2.37E-10	1.88E-10	2.39E-12	5.77E-11	3.18E-12	6.32482E-11	5.098E-08	3.3407E-05	5.78993E-06	8.0449E-11	9.65388E-12	4.01547E-11	1.60619E-12
477	571070.6	4178519	0.55, 41785	5.62777	5.38206	5.21191	327.13066	151.27996	542.64793	61.45445	56.79768	91.26612	1.74E-07	1.81E-05	3.05E-06	5.38E-11	1.62E-10	1.28E-10	1.63E-12	3.94E-11	2.18E-12	4.3226E-11	3.484E-08	1.8134E-05	3.05019E-06	5.49816E-11	6.5978E-12	2.74431E-11	1.09772E-12
478	571110.6	4178519	0.55, 41785	3.70135	3.92679	3.70614	194.51307	130.68512	402.95521	41.68788	44.49195	69.09918	1.24E-07	1.35E-05	2.31E-06	3.82E-11	1.15E-10	9.12E-11	1.16E-12	2.8E-11	1.55E-12	3.07378E-11	2.478E-08	1.3466E-05	2.30931E-06	3.90971E-11	4.69165E-12	1.95146E-11	7.80584E-13
479	571150.6	4178519	0.55, 41785	2.69329	3.00723	2.77155	208.02281	103.35418	440.08145	30.40761	37.50867	55.01018	9.26E-08	1.47E-05	1.84E-06	2.86E-11	8.63E-11	6.82E-11	8.68E-13	2.1E-11	1.16E-12	2.29866E-11	1.853E-08	1.4706E-05	1.83843E-06	2.9238E-11	3.50856E-12	1.45936E-11	5.83745E-13
480	571190.6	4178519	0.55, 41785	2.08526	2.38411	2.19601	205.94825	100.14217	330.97092	32.90062	31.32752	44.74048	7.34E-08	1.11E-05	1.5E-06	2.27E-11	6.84E-11	5.4E-11	6.88E-13	1.66E-11	9.17E-13	1.82132E-11	1.468E-08	1.106E-05	1.49529E-06	2.31664E-11	2.77997E-12	1.15631E-11	4.62524E-13
481	571230.6	4178519	0.55, 41785	1.66362	1.91731	1.76389	215.41751	83.66277	360.55042	30.77393	25.17962	52.13444	5.9E-08	1.2E-05	1.74E-06	1.82E-11	5.49E-11	4.34E-11	5.52E-13	1.33E-11	7.36E-13	1.46293E-11	1.179E-08	1.2049E-05	1.74234E-06	1.86079E-11	2.23294E-12	9.28778E-12	3.71511E-13
482	571270.6	4178519	0.55, 41785	1.38104	1.58176	1.44385	194.90891	74.63088	227.07234	31.16799	21.56574	34.54332	4.83E-08	7.59E-06	1.15E-06	1.49E-11	4.5E-11	3.55E-11	4.52E-13	1.09E-11	6.03E-13	1.1975E-11	9.652E-09	7.5883E-06	1.15454E-06	1.52317E-11	1.8278E-12	7.60262E-12	3.04105E-13
483	571310.6	4178519	0.55, 41785	1.18628	1.33473	1.24995	227.7435	74.01926	353.91479	34.0231	18.88588	51.12416	4.18E-08	1.18E-05	1.71E-06	1.29E-11	3.89E-11	3.07E-11	3.91E-13	9.45E-12	5.22E-13	1.03668E-11	8.356E-09	1.1827E-05	1.70861E-06	1.31861E-11	1.58233E-12	6.58159E-12	2.63264E-13
484	571350.6	4178519	0.55, 41785	1.02794	1.1349	1.10387	186.21806	66.32591	255.87469	28.09378	16.3212	37.6065	3.69E-08	8.55E-06	1.26E-06	1.14E-11	3.44E-11	2.72E-11	3.46E-13	8.35E-12	4.61E-13	9.15512E-12	7.379E-09	8.5507E-06	1.25687E-06	1.16449E-11	1.39739E-12	5.81235E-12	2.32494E-13
485	571390.6	4178519	0.55, 41785	0.88898	0.96986	0.94947	165.64096	58.31983	230.86073	23.55305	14.40747	29.95608	3.17E-08	7.71E-06	1E-06	9.79E-12	2.96E-11	2.34E-11	2.97E-13	7.18E-12	3.96E-13	7.87457E-12	6.347E-09	7.7148E-06	1.00119E-06	1.00161E-11	1.20193E-12	4.99936E-12	1.99974E-13
486	571430.6	4178519	0.55, 41785	0.7696	0.83467	0.8102	166.81635	54.79876	235.11797	23.72844	12.50769	32.6638	2.71E-08	7.86E-06	1.09E-06	8.36E-12	2.52E-11	1.99E-11	2.54E-13	6.13E-12	3.38E-13	6.71953E-12	5.416E-09	7.857E-06	1.09167E-06	8.54695E-12	1.02563E-12	4.26606E-12	1.70642E-13
487	571470.6	4178519	0.55, 41785	0.67066	0.72494	0.7032	138.40145	51.97552	171.46902	19.82816	10.73341	24.30543	2.35E-08	5.73E-06	8.12E-07	7.25E-12	2.19E-11	1.73E-11	2.2E-13	5.32E-12	2.94E-13	5.83211E-12	4.701E-09	5.7301E-06	8.1234E-07	7.41819E-12	8.90183E-13	3.70265E-12	1.48106E-13
488	571510.6	4178519	0.55, 41785	0.58987	0.63439	0.62004	93.94363	49.66848	89.41667	13.736	9.50533	13.29785	2.07E-08	2.99E-06	4.44E-07	6.4E-12	1.93E-11	1.53E-11	1.94E-13	4.69E-12	2.59E-13	5.1424E-12	4.145E-09	2.9883E-06	4.4447E-07	6.54091E-12	7.84909E-13	3.26477E-12	1.30591E-13
489	571550.6	4178519	0.55, 41785	0.52422	0.55926	0.55249	64.7066	47.53612	82.72316	9.81761	8.44297	11.85775	1.85E-08	2.76E-06	3.96E-07	5.7E-12	1.72E-11	1.36E-11	1.73E-13	4.18E-12	2.31E-13	4.58215E-12	3.693E-09	2.7646E-06	3.96313E-07	5.82829E-12	6.99395E-13	2.90909E-12	1.16363E-13
490	571590.6	4178519	0.55, 41785	0.47148	0.49721	0.49682	75.39988	45.27823	83.60413	9.54319	7.49343	11.2302	1.66E-08	2.79E-06	3.75E-07	5.12E-12	1.55E-11	1.22E-11	1.56E-13	3.76E-12	2.07E-13	4.12043E-12	3.321E-09	2.794E-06	3.75341E-07	5.24101E-12	6.28921E-13	2.61595E-12	1.04638E-13
491	570310.6	4178559	0.55, 41785	0.10731	0.08405	0.10201	76.80272	30.54078	89.48595	12.80045	4.19275	14.91432	3.41E-09	2.99E-06	4.98E-07	1.05E-12	3.18E-12	2.51E-12	3.19E-14	7.71E-13	4.26E-14	8.45996E-13	6.819E-10	2.9905E-06	4.98475E-07	1.07607E-12	1.29128E-13	5.37101E-13	2.1484E-14
492	570350.6	4178559	0.55, 41785	0.11907	0.09438	0.11262	82.9813	31.5625	94.82328	13.39224	4.31782	15.80388	3.76E-09	3.17E-06	5.28E-07	1.16E-12	3.51E-12	2.77E-12	3.53E-14	8.52E-13	4.7E-14	9.33991E-13	7.528E-10	3.1688E-06	5.28205E-07	1.188E-12	1.4256E-13	5.92967E-13	2.37187E-14
493	570390.6	4178559	0.55, 41785	0.1339	0.10748	0.12591	90.55746	32.83588	101.05325	14.07263	4.47793	16.84221	4.21E-09	3.38E-06	5.63E-07	1.3E-12	3.92E-12	3.1E-12	3.94E-14	9.52E-13	5.26E-14	1.04421E-12	8.417E-10	3.377E-06	5.62906E-07	1.32819E-12	1.59383E-13	6.62944E-13	2.65178E-14
494	570430.6	4178559	0.55, 41785	0.15297	0.12443	0.14282	99.07784	34.42492	111.25467	14.88754	4.68196	18.0897	4.77E-09	3.72E-06	6.05E-07	1.47E-12	4.45E-12	3.51E-12	4.47E-14	1.08E-12	5.96E-14	1.18446E-12	9.547E-10	3.7179E-06	6.04598E-07	1.50658E-12	1.8079E-13	7.51982E-13	3.00793E-14
495	570470.6	4178559	0.55, 41785	0.17711	0.14611	0.16369	108.3811	37.13833	125.77833	15.68816	5.10948	19.33096	5.47E-09	4.2E-06	6.46E-07	1.69E-12	5.1E-12	4.03E-12	5.13E-14	1.24E-12	6.83E-14	1.35755E-12	1.094E-09	4.2033E-06	6.46082E-07	1.72674E-12	2.07209E-13	8.61873E-13	3.44749E-14
496	570510.6	4178559	0.55, 41785	0.21022	0.1758	0.19176	119.02071	41.74654	144.28309	16.67371	5.7123	20.76073	6.41E-09	4.82E-06	6.94E-07	1.98E-12	5.97E-12	4.72E-12	6E-14	1.45E-12	8.01E-14	1.59036E-12	1.282E-09	4.8216E-06	6.93866E-07	2.02286E-12	2.42744E-13	1.00968E-12	4.0387E-14
497	570550.6	4178559	0.55, 41785	0.25686	0.21737	0.22998	138.81712	48.97119	169.0217	17.78034	6.5378	22.20322	7.69E-09	5.65E-06	7.42E-07	2.37E-12	7.16E-12	5.66E-12	7.2E-14	1.74E-12	9.6E-14	1.90735E-12	1.537E-09	5.6483E-06	7.42077E-07	2.42606E-12	2.91127E-13	1.21092E-12	4.8437E-14
498	570590.6	4178559	0.55, 41785	0.31921	0.27311	0.27901	158.95656	55.69599	196.40207	19.86957	7.90259	24.55026	9.33E-09	6.56E-06	8.21E-07	2.88E-12	8.69E-12	6.86E-12	8.74E-14	2.11E-12	1.16E-13	2.314E-12	1.865E-09	6.5633E-06	8.20522E-07	2.94331E-12	3.53197E-13	1.4691E-12	5.87639E-14
499	570630.6	4178559	0.55, 41785	0.41072	0.35398	0.34795	180.38278	65.18573	228.48167	22.54785	9.64997	28.56021	1.16E-08	7.64E-06	9.55E-07	3.59E-12	1.08E-11	8.56E-12	1.09E-13	2.63E-12	1.45E-13	2.88579E-12	2.326E-09	7.6353E-06	9.54537E-07	3.6706E-12	4.40472E-13	1.83211E-12	7.32846E-14
500	570670.6	4178559	0.55, 41785	0.55178	0.47716	0.45068	218.05495	85.23197	290.43238	27.25687	14.02323	36.30405	1.51E-08	9.71E-06	1.21E-06	4.65E-12	1.4E-11	1.11E-11	1.41E-13	3.41E-12	1.88E-13	3.73784E-12	3.013E-09	9.7056E-06	1.21334E-06	4.75438E-12	5.70525E-13	2.37306E-12	9.49224E-14
501	570710.6	4178559	0.55, 41785	0.78132	0.6809	0.62169	244.71244	105.12049	355.26836	32.595	21.74638	44.40855	2.08E-08	1.19E-05	1.48E-06	6.41E-12	1.94E-11	1.53E-11	1.95E-13	4.7E-12	2.6E-13	5.15622E-12	4.156E-09	1.1872E-05	1.4842E-06	6.55848E-12	7.87018E-13	3.27355E-12	1.30942E-13
502	570750.6	4178559	0.55, 41785	1.13763	1.02831	0.92752	276.33124	124.7524	514.56755	39.47589	32.46528	64.32094	3.1E-08	1.72E-05	2.15E-06	9.57E-12	2.89E-11	2.28E-11	2.9E-13	7.02E-12	3.87E-13	7.69275E-12	6.2E-09	1.7195E-05	2.14963E-06	9.78484E-12	1.17418E-12	4.88393E-12	1.95357E-13
503	570790.6	4178559	0.55, 41785	1.48115	1.46435	1.34156	285.306	157.20995	776.24295	43.19026	42.97795	97.64972	4.48E-08	2.59E-05	3.26E-06	1.38E-11	4.18E-11	3.3E-11	4.2E-13	1.01E-11	5.6E-13	1.11267E-11	8.968E-09	2.5939E-05	3.26333E-06	1.41526E-11	1.69832E-12	7.06403E-12	2.82561E-13
504	570830.6	4178559	0.55, 41785	2.67811	2.99292	2.3948	342.02881	178.80856	871.65336	66.23843	64.34565	121.28657	8E-08	2.91E-05	4.05E-06	2.47E-11	7.46E-11	5.89E-11	7.5E-13	1.81E-11	1E-12	1.98628E-11	1.601E-08	2.9128E-05	4.05336E-06	2.52647E-11	3.03176E-12	1.26104E-11	5.04416E-13
505	570950.6	4178559	0.55, 41785	26.55575	12.00196	5.05287	679.01352	318.67052	1487.06516	280.37281	116.3834	245.48668	1.69E-07	4.97E-05	8.21E-06	5.21E-11	1.57E-10	1.24E-10	1.58E-12	3.82E-11	2.11E-12	4.19257E-11	3.379E-08	4.9693E-05	8.20543E-06	5.33277E-11	6.39933E-12	2.66176E-11	1.0647E-12
506	570990.6	4178559	0.55, 41785	10.52141	6.96087	4.44153	639.29991	205.65266	1371.63359	133.52138	75.6432	174.17097	1.48E-07	4.58E-05	5.82E-06	4.58E-11	1.38E-10	1.09E-10	1.39E-12	3.36E-11	1.85E-12	3.68429E-11	2.97E-08	4.5835E-05	5.82109E-06	4.68626E-11	5.62351E-12	2.33906E-11	9.35624E-13
507	571030.6	4178559	0.55, 41785	6.12086	4.69941	3.63304	562.31532	143.87555	907.33173	97.52112	53.65332	135.00156	1.21E-07	3.03E-05	4.51E-06	3.75E-11	1.13E-10	8.94E-11	1.14E-12	2.75E-11	1.52E-12	3.01338E-11	2.429E-08	3.032E-05	4.51193E-06	3.83289E-11	4.59947E-12	1.91312E-11	7.65247E-13
508	571070.6	4178559	0.55, 41785	4.00501	3.46908	2.98955	291.75499	122.4909	364.39166	69.10596	41.80504	75.82917	9.99E-08	1.22E-05	2.53E-06	3.08E-11	9.31E-11	7.35E-11	9.36E-13	2.26E-11	1.25E-12	2.47954E-11	1.999E-08	1.2177E-05	2.53444E-06	3.15387E-11	3.78464E-12	1.5742E-11	6.29678E-13
509	571110.6	4178559	0.55, 41785	2.89394	2.70355	2.4438	288.47324	105.99812	437.78623	48.03981	36.46899	59.71453	8.17E-08	1.46E-05	2E-06	2.52E-11	7.61E-11	6.01E-11	7.65E-13	1.85E-11	1.02E-12	2.02686E-11	1.634E-08	1.463E-05	1.99578E-06	2.57807E-11	3.09369E-12	1.2868E-11	5.1472E-13
510	571150.6	4178559	0.55, 41785	2.21115	2.17534	2.01472	240.56187	97.79178	377.92847	31.90722	30.3701	47.66793	6.73E-08	1.26E-05	1.59E-06	2.08E-11	6.27E-11	4.96E-11	6.31E-13	1.52E-11	8.41E-13	1.67097E-11	1.347E-08	1.2629E-05	1.5931E-06	2.1254E-11	2.55048E-12	1.06086E-11	4.24342E-13
511	571190.6	4178559	0.55, 41785	1.76303	1.79806	1.6955	177.14345	83.63267	264.27885	24.55859	26.34777	34.50528	5.67E-08	8.83E-06	1.15E-06	1.75E-11	5.28E-11	4.17E-11	5.31E-13	1.28E-11	7.08E-13	1.40621E-11	1.133E-08	8.8317E-06	1.15321E-06	1.78863E-11	2.14636E-12	8.92763E-12	3.57105E-13
512	571230.6	4178559	0.55, 41785	1.44054	1.50665	1.43503	192.87207	80.98435	306.26039	29.09943	22.26218	51.0434	4.8E-08	1.02E-05	1.71E-06	1.48E-11	4.47E-11	3.53E-11	4.49E-13	1.09E-11	5.99E-13	1.19017E-11	9.593E-09	1.0234E-05	1.70587E-06	1.51385E-11	1.81662E-12	7.55611E-12	3.02244E-13
513	571270.6	4178559	0.55, 41785	1.19178	1.27042	1.20125	167.21575	71.42327	283.3883	22.32638	19.23301	35.42354	4.02E-08	9.47E-06	1.18E-06	1.24E-11	3.74E-11	2.96E-11	3.76E-13	9.09E-12	5.02E-13	9.96284E-12	8.03E-09	9.4701E-06	1.18387E-06	1.26723E-11	1.52068E-12	6.32515E-12	2.53006E-13

514	571310.6	4178559	0.55, 41785	1.01245	1.08581	1.02025	169.23295	65.49002	155.67948	26.6418	16.91234	25.18935	3.41E-08	5.2E-06	8.42E-07	1.05E-11	3.18E-11	2.51E-11	3.19E-13	7.72E-12	4.26E-13	8.46169E-12	6.82E-09	5.2027E-06	8.41939E-07	1.07629E-11	1.29155E-12	5.37211E-12	2.14884E-13
515	571350.6	4178559	0.55, 41785	0.8838	0.94242	0.90608	194.09519	63.64749	285.0024	28.90026	14.99354	40.61241	3.03E-08	9.52E-06	1.36E-06	9.35E-12	2.82E-11	2.23E-11	2.84E-13	6.85E-12	3.78E-13	7.51475E-12	6.057E-09	9.524E-06	1.35732E-06	9.55844E-12	1.14701E-12	4.77092E-12	1.90837E-13
516	571390.6	4178559	0.55, 41785	0.78025	0.82372	0.8159	158.10154	57.98385	206.74246	23.81897	12.89204	30.22211	2.73E-08	6.91E-06	1.01E-06	8.42E-12	2.54E-11	2.01E-11	2.55E-13	6.17E-12	3.41E-13	6.76677E-12	5.454E-09	6.9089E-06	1.01008E-06	8.60704E-12	1.03284E-12	4.29605E-12	1.71842E-13
517	571430.6	4178559	0.55, 41785	0.68512	0.72115	0.71821	137.68904	52.2569	180.06144	18.93914	11.62385	25.68604	2.4E-08	6.02E-06	8.58E-07	7.41E-12	2.24E-11	1.77E-11	2.25E-13	5.43E-12	3E-13	5.95656E-12	4.801E-09	6.0173E-06	8.58465E-07	7.57648E-12	9.09178E-13	3.78166E-12	1.51267E-13
518	571470.6	4178559	0.55, 41785	0.60049	0.63425	0.62389	143.56241	49.93475	187.32246	19.90478	10.29716	25.60594	2.09E-08	6.26E-06	8.56E-07	6.43E-12	1.94E-11	1.53E-11	1.95E-13	4.72E-12	2.6E-13	5.17432E-12	4.171E-09	6.2599E-06	8.55797E-07	6.58151E-12	7.89781E-13	3.28504E-12	1.31402E-13
519	571510.6	4178559	0.55, 41785	0.52736	0.56045	0.5447	131.02036	47.72087	167.66109	18.26486	8.99798	23.11602	1.82E-08	5.6E-06	7.73E-07	5.62E-12	1.7E-11	1.34E-11	1.71E-13	4.12E-12	2.27E-13	4.51756E-12	3.641E-09	5.6029E-06	7.72582E-07	5.74614E-12	6.89537E-13	2.86808E-12	1.14723E-13
520	571550.6	4178559	0.55, 41785	0.46874	0.49944	0.48529	99.50634	45.73793	109.0385	14.05158	8.03042	15.4257	1.62E-08	3.64E-06	5.16E-07	5.01E-12	1.51E-11	1.19E-11	1.52E-13	3.67E-12	2.03E-13	4.02483E-12	3.244E-09	3.644E-06	5.15574E-07	5.11941E-12	6.1433E-13	2.55526E-12	1.02211E-13
521	571590.6	4178559	0.55, 41785	0.42104	0.44786	0.43792	63.39282	43.98321	60.02596	9.17705	7.35207	9.24249	1.46E-08	2.01E-06	3.09E-07	4.52E-12	1.36E-11	1.08E-11	1.37E-13	3.31E-12	1.83E-13	3.63196E-12	2.927E-09	2.0062E-06	3.08919E-07	4.61969E-12	5.54363E-13	2.30584E-12	9.22334E-14
522	570310.6	4178599	0.55, 41785	0.10507	0.08466	0.09914	83.25071	28.48032	95.05484	11.19876	3.62883	12.56574	3.31E-09	3.18E-06	4.2E-07	1.02E-12	3.09E-12	2.44E-12	3.1E-14	7.5E-13	4.14E-14	8.22201E-13	6.627E-10	3.1765E-06	4.19983E-07	1.0458E-12	1.25496E-13	5.21994E-13	2.08798E-14
523	570350.6	4178599	0.55, 41785	0.11716	0.09561	0.10985	88.57329	30.33455	103.53599	11.44069	3.79182	12.942	3.67E-09	3.46E-06	4.33E-07	1.13E-12	3.42E-12	2.7E-12	3.44E-14	8.31E-13	4.59E-14	9.11026E-13	7.343E-10	3.46E-06	4.32558E-07	1.15879E-12	1.39054E-13	5.78387E-13	2.31355E-14
524	570390.6	4178599	0.55, 41785	0.13131	0.10865	0.12235	93.2639	32.45644	112.44406	11.65799	4.05706	14.05551	4.09E-09	3.76E-06	4.7E-07	1.26E-12	3.81E-12	3.01E-12	3.83E-14	9.25E-13	5.11E-14	1.0147E-12	8.179E-10	3.7576E-06	4.69767E-07	1.29065E-12	1.54878E-13	6.44206E-13	2.57682E-14
525	570430.6	4178599	0.55, 41785	0.15022	0.126	0.13878	103.53542	36.02365	122.12845	12.94193	4.50296	15.26606	4.64E-09	4.08E-06	5.1E-07	1.43E-12	4.32E-12	3.41E-12	4.35E-14	1.05E-12	5.79E-14	1.15096E-12	9.277E-10	4.0813E-06	5.10229E-07	1.46398E-12	1.75677E-13	7.30718E-13	2.92287E-14
526	570470.6	4178599	0.55, 41785	0.17421	0.14819	0.15942	115.63183	39.91557	131.63773	14.45398	5.34922	16.45472	5.33E-09	4.4E-06	5.5E-07	1.64E-12	4.96E-12	3.92E-12	4.99E-14	1.21E-12	6.66E-14	1.32215E-12	1.066E-09	4.3991E-06	5.49962E-07	1.68172E-12	2.01806E-13	8.39398E-13	3.35759E-14
527	570510.6	4178599	0.55, 41785	0.20799	0.17912	0.18803	128.15759	44.54205	154.67263	16.0197	6.36274	19.33408	6.28E-09	5.17E-06	6.46E-07	1.94E-12	5.86E-12	4.63E-12	5.89E-14	1.42E-12	7.85E-14	1.55943E-12	1.257E-09	5.1688E-06	6.46189E-07	1.98353E-12	2.38024E-13	9.90045E-13	3.96018E-14
528	570550.6	4178599	0.55, 41785	0.25382	0.22088	0.22625	141.74172	51.90419	182.47104	17.71771	7.41488	22.80888	7.56E-09	6.1E-06	7.62E-07	2.33E-12	7.05E-12	5.57E-12	7.08E-14	1.71E-12	9.45E-14	1.87643E-12	1.512E-09	6.0978E-06	7.62314E-07	2.38673E-12	2.86408E-13	1.19129E-12	4.76518E-14
529	570590.6	4178599	0.55, 41785	0.31442	0.27626	0.27638	161.8077	62.94071	207.9054	20.22596	8.27119	25.98817	9.24E-09	6.95E-06	8.69E-07	2.85E-12	8.61E-12	6.8E-12	8.65E-14	2.09E-12	1.15E-13	2.2922E-12	1.848E-09	6.9478E-06	8.68572E-07	2.91558E-12	3.49869E-13	1.45526E-12	5.82103E-14
530	570630.6	4178599	0.55, 41785	0.39904	0.35395	0.34775	187.04764	77.01967	233.41259	23.38095	12.20463	29.17657	1.16E-08	7.8E-06	9.75E-07	3.59E-12	1.08E-11	8.55E-12	1.09E-13	2.63E-12	1.45E-13	2.88413E-12	2.325E-09	7.8002E-06	9.75141E-07	3.66849E-12	4.40219E-13	1.83106E-12	7.32424E-14
531	570670.6	4178599	0.55, 41785	0.52025	0.46779	0.4567	203.91154	89.67976	314.96286	27.18561	17.16092	39.37036	1.53E-08	1.05E-05	1.32E-06	4.71E-12	1.42E-11	1.12E-11	1.43E-13	3.45E-12	1.91E-13	3.78773E-12	3.053E-09	1.0525E-05	1.3158E-06	4.81783E-12	5.7814E-13	2.40473E-12	9.61893E-14
532	570710.6	4178599	0.55, 41785	0.68748	0.63563	0.62617	226.5911	101.22552	383.25212	32.37016	22.387	47.90652	2.09E-08	1.28E-05	1.6E-06	6.46E-12	1.95E-11	1.54E-11	1.96E-13	4.74E-12	2.61E-13	5.19325E-12	4.186E-09	1.2807E-05	1.60108E-06	6.60559E-12	7.9267E-13	3.29706E-12	1.31882E-13
533	570750.6	4178599	0.55, 41785	0.91976	0.89022	0.88415	243.41497	114.05895	499.75889	34.77357	31.00996	69.4997	2.96E-08	1.67E-05	2.32E-06	9.12E-12	2.75E-11	2.17E-11	2.77E-13	6.69E-12	3.69E-13	7.33282E-12	5.91E-09	1.67E-05	2.32263E-06	9.32703E-12	1.11924E-12	4.65542E-12	1.86217E-13
534	570790.6	4178599	0.55, 41785	1.20615	1.22781	1.16033	261.32328	130.44037	537.17009	39.31654	39.06207	73.65107	3.88E-08	1.8E-05	2.46E-06	1.2E-11	3.61E-11	2.85E-11	3.63E-13	8.78E-12	4.84E-13	9.62348E-12	7.757E-09	1.7951E-05	2.46139E-06	1.22407E-11	1.46888E-12	6.1097E-12	2.44388E-13
535	570830.6	4178599	0.55, 41785	1.86035	2.06593	1.53512	307.79075	158.37727	606.96091	57.33573	51.17396	80.52216	5.13E-08	2.03E-05	2.69E-06	1.58E-11	4.78E-11	3.78E-11	4.81E-13	1.16E-11	6.41E-13	1.27329E-11	1.026E-08	2.0283E-05	2.69115E-06	1.61956E-11	1.94348E-12	8.08376E-12	3.23351E-13
536	570870.6	4178599	0.55, 41785	2.81953	3.8452	1.88016	429.66876	238.19724	679.18896	77.96533	87.47681	90.64703	6.29E-08	2.27E-05	3.03E-06	1.94E-11	5.86E-11	4.63E-11	5.89E-13	1.42E-11	7.85E-13	1.55976E-11	1.257E-08	2.2697E-05	3.02966E-06	1.98394E-11	2.38073E-12	9.90249E-12	3.961E-13
537	570910.6	4178599	0.55, 41785	4.21414	6.38342	2.32175	555.65098	273.48442	945.27353	124.98504	103.73159	124.24769	7.76E-08	3.16E-05	4.15E-06	2.4E-11	7.23E-11	5.71E-11	7.27E-13	1.76E-11	9.7E-13	1.92644E-11	1.553E-08	3.1589E-05	4.15284E-06	2.45035E-11	2.94043E-12	1.22305E-11	4.8922E-13
538	570950.6	4178599	0.55, 41785	4.59898	4.54538	2.28746	563.80012	195.03038	769.06119	96.52509	58.5202	125.1466	7.65E-08	2.57E-05	4.18E-06	2.36E-11	7.13E-11	5.63E-11	7.16E-13	1.73E-11	9.55E-13	1.89765E-11	1.53E-08	2.57E-05	4.18262E-06	2.41372E-11	2.89647E-12	1.20477E-11	4.81907E-13
539	570990.6	4178599	0.55, 41785	3.82228	3.4158	2.10211	387.45867	157.86758	722.29473	74.93195	45.58999	97.36969	7.03E-08	2.41E-05	3.25E-06	2.17E-11	6.55E-11	5.17E-11	6.58E-13	1.59E-11	8.78E-13	1.74372E-11	1.405E-08	2.4137E-05	3.25427E-06	2.21793E-11	2.66152E-12	1.10704E-11	4.42817E-13
540	571030.6	4178599	0.55, 41785	3.02247	2.69987	1.99871	442.17309	124.03841	776.22539	67.82636	38.72372	97.59907	6.68E-08	2.59E-05	3.26E-06	2.06E-11	6.22E-11	4.92E-11	6.26E-13	1.51E-11	8.35E-13	1.65782E-11	1.336E-08	2.5939E-05	3.26186E-06	2.10868E-11	2.53041E-12	1.05251E-11	4.21003E-13
541	571070.6	4178599	0.55, 41785	2.43201	2.20804	1.81695	323.32852	105.96293	523.5768	49.87717	32.54487	75.45431	6.07E-08	1.75E-05	2.52E-06	1.87E-11	5.66E-11	4.47E-11	5.69E-13	1.37E-11	7.59E-13	1.507E-11	1.215E-08	1.7496E-05	2.52174E-06	1.91684E-11	2.30021E-12	9.56757E-12	3.82703E-13
542	571110.6	4178599	0.55, 41785	1.9361	1.83698	1.53551	285.52756	89.63178	395.42144	42.26506	28.59229	57.87538	5.13E-08	1.32E-05	1.93E-06	1.58E-11	4.78E-11	3.78E-11	4.81E-13	1.16E-11	6.41E-13	1.27356E-11	1.027E-08	1.3214E-05	1.93428E-06	1.61992E-11	1.9439E-12	8.08553E-12	3.23421E-13
543	571150.6	4178599	0.55, 41785	1.58315	1.55537	1.34493	182.41041	88.91432	301.39134	29.75311	25.20352	37.67392	4.5E-08	1.01E-05	1.26E-06	1.39E-11	4.19E-11	3.31E-11	4.21E-13	1.02E-11	5.62E-13	1.11548E-11	8.991E-09	1.0072E-05	1.25914E-06	1.41884E-11	1.70261E-12	7.08191E-12	2.83276E-13
544	571190.6	4178599	0.55, 41785	1.33739	1.33597	1.20735	189.26194	77.8274	237.13522	24.55337	21.99349	31.52399	4.04E-08	7.92E-06	1.05E-06	1.25E-11	3.76E-11	2.97E-11	3.78E-13	9.13E-12	5.04E-13	1.00136E-11	8.071E-09	7.9246E-06	1.05359E-06	1.27369E-11	1.52842E-12	6.35737E-12	2.54295E-13
545	571230.6	4178599	0.55, 41785	1.14183	1.1549	1.07779	177.02423	70.01737	247.02933	25.42204	18.83046	36.19826	3.6E-08	8.26E-06	1.21E-06	1.11E-11	3.36E-11	2.65E-11	3.37E-13	8.15E-12	4.5E-13	8.93895E-12	7.205E-09	8.2552E-06	1.20979E-06	1.137E-11	1.36439E-12	5.67511E-12	2.27004E-13
546	571270.6	4178599	0.55, 41785	0.97959	1.00523	0.95378	160.46118	68.49541	236.51718	22.92303	16.81937	33.9008	3.19E-08	7.9E-06	1.13E-06	9.84E-12	2.97E-11	2.35E-11	2.99E-13	7.21E-12	3.98E-13	7.9104E-12	6.376E-09	7.9039E-06	1.133E-06	1.00617E-11	1.2074E-12	5.02211E-12	2.00884E-13
547	571310.6	4178599	0.55, 41785	0.84011	0.87488	0.82502	131.92842	62.86665	193.55215	16.49105	15.16442	24.19402	2.76E-08	6.47E-06	8.09E-07	8.51E-12	2.57E-11	2.03E-11	2.58E-13	6.24E-12	3.44E-13	6.8425E-12	5.515E-09	6.4681E-06	8.08587E-07	8.70337E-12	1.0444E-12	4.34413E-12	1.73765E-13
548	571350.6	4178599	0.55, 41785	0.73896	0.77159	0.73066	149.85158	58.69155	153.82017	22.55392	13.49962	22.49489	2.44E-08	5.14E-06	7.52E-07	7.54E-12	2.28E-11	1.8E-11	2.29E-13	5.53E-12	3.05E-13	6.0599E-12	4.884E-09	5.1405E-06	7.51867E-07	7.70793E-12	9.24952E-13	3.84727E-12	1.53891E-13
549	571390.6	4178599	0.55, 41785	0.661	0.68563	0.66671	168.50279	56.32456	235.09945	24.41155	12.10471	32.40344	2.23E-08	7.86E-06	1.08E-06	6.88E-12	2.08E-11	1.64E-11	2.09E-13	5.04E-12	2.78E-13	5.52947E-12	4.457E-09	7.8564E-06	1.08297E-06	7.03325E-12	8.4399E-13	3.51052E-12	1.40421E-13
550	571430.6	4178599	0.55, 41785	0.59511	0.61204	0.61151	136.17098	51.76249	171.68803	20.03651	10.61326	24.28892	2.04E-08	5.74E-06	8.12E-07	6.31E-12	1.9E-11	1.5E-11	1.91E-13	4.62E-12	2.55E-13	5.07163E-12	4.088E-09	5.7375E-06	8.11791E-07	6.45089E-12	7.74107E-13	3.21984E-12	1.28794E-13
551	571470.6	4178599	0.55, 41785	0.53051	0.54561	0.54811	117.9441	47.17442	154.11151	16.84916	9.40387	22.01593	1.83E-08	5.15E-06	7.36E-07	5.65E-12	1.71E-11	1.35E-11	1.72E-13	4.15E-12	2.29E-13	4.5458E-12	3.664E-09	5.1501E-06	7.3581E-07	5.78207E-12	6.93848E-13	2.88601E-12	1.15441E-13
552	571510.6	4178599	0.55, 41785	0.47218	0.48877	0.48576	120.07824	45.51387	145.12306	16.38718	8.49605	19.65912	1.62E-08	4.85E-06	6.57E-07	5.01E-12	1.51E-11	1.19E-11	1.52E-13	3.67E-12	2.03E-13	4.02871E-12	3.247E-09	4.8497E-06	6.57054E-07	5.12434E-12	6.14921E-13	2.55772E-12	1.02309E-13
553	571550.6	4178599	0.55, 41785	0.42043	0.43954	0.43052	119.99429	43.92883	151.34582	16.43506	7.56489	20.5622	1.44E-08	5.06E-06	6.87E-07	4.44E-12	1.34E-11	1.06E-11	1.35E-13	3.26E-12	1.8E-13	3.57058E-12	2.878E-09	5.0576E-06	6.8723E-07	4.54163E-12	5.44995E-13	2.26687E-12	9.06749E-14
554	571590.6	4178599	0.55, 41785	0.37632	0.39688	0.38556	100.33698	42.40478	116.86516	13.86046	7.00095	16.11187	1.29E-08	3.91E-06	5.39E-07	3.98E-12	1.2E-11	9.48E-12	1.21E-13	2.92E-12	1.61E-13	3.19771E-12	2.577E-09	3.9055E-06	5.385E-07	4.06735E-12	4.88081E-13	2.03014E-12	8.12057E-14
555	570310.6	4178639	0.55, 41786	0.10356	0.08559	0.09711	83.92303	29.66661	96.15389	10.49038	3.70833	12.01924	3.25E-09	3.21E-06	4.02E-07	1E-12	3.02E-12	2.39E-12	3.04E-14	7.34E-13	4.05E-14	8.05371E-13	6.491E-10	3.2133E-06	4.01715E-07	1.0244E-12	1.22928E-13	5.11309E-13	2.04524E-14
556	570350.6	4178639	0.55, 41786	0.1161	0.09716	0.10841	92.63397	32.60646	103.61771	11.57925	4.08084	12.95221	3.62E-09	3.46E-06	4.33E-07	1.12E-12	3.38E-12	2.67E-12	3.39E-14	8.2E-13	4.53E-14	8.9909E-13	7.247E-10	3.4627E-06	4.329E-07	1.1436E-12	1.37232E-13	5.70809E-13	2.28324E-14
557	570390.6	4178639	0.55, 41786	0.13068	0.11086	0.1215	100.54346	34.97331	116.66288	12.56793	4.70976	14.58286	4.06E-09	3.9E-06	4.87E-07	1.25E-12	3.78E-12	2.99E-12	3.8E-14	9.19E-13	5.07E-14	1.00765E-12	8.122E-10	3.8986E-06	4.87397E-07	1.28169E-12	1.53803E-13	6.39734E-13	2.55894E-14
558	570430.6	4178639	0.55, 41786	0.14929	0.12834	0.13819	107.49924	37.52244	130.89362	13.4374	5.36035	16.3617	4.62E-09	4.37E-06	5.47E-07	1.43E-12	4.3E-12	3.4E-12	4.33E-14	1.05E-12	5.77E-14	1.14608E-12	9.238E-10	4.3742E-06	5.46844E-07	1.45776E-12	1.74931E-13	7.27615E-13	2.91046E-14
559	570470.6	4178639	0.55, 41786	0.17443	0.15183	0.16061	116.62505	42.4162	145.19757	14.57813	6.05946	18.1497	5.37E-09	4.85E-06	6.07E-07	1.66E-12	5E-12	3.95E-12	5.03E-14	1.21E-12	6.71E-14	1.33202E-12	1.074E-09	4.8522E-06	6.066E-07	1.69428E-12	2.03313E-13	8.45667E-13	3.38267E-14
560	570510.6	4178639	0.55, 41786	0.20768	0.18277	0.19013	127.00459	48.18252	156.06863	15.87557	6.71257	19.50858	6.35E-09	5.22E-06	6.52E-07	1.96E-12	5.92E-12	4.68E-12	5.95E-14	1.44E-12	7.94E-14	1.57685E-12	1.271E-09	5.2155E-06	6.52019E-07	2.00569E-12	2.40683E-13	1.0011E-12	4.00442E-14
561	570550.6	4178639	0.55, 41786	0.2504	0.22269	0.22841	148.76746	59.99627	172.72318	18.59593	7.58374	21.5904	7.63E-09	5.77E-06	7.22E-07	2.36E-12	7.11E-12	5.62E-12	7.15E-14	1.73E-12	9.54E-14	1.89434E-12	1.527E-09	5.7721E-06	7.21607E-07	2.40952E-12	2.89142E-13	1.20267E-12	4.81067E-14
562	570590.6	4178639	0.55, 41786	0.30521	0.27478	0.27907	162.38276	69.4472	222.88998	20.29784	10.74133	27.86125	9.33E-09	7.45E-06	9.31E-07	2.88E-12	8.69E-12	6.86E-12	8.74E-14	2.11E-12	1.17E-13	2.3145E-12	1.866E-09	7.4485E-06	9.31161E-07	2.94394E-12	3.53273E-13	1.46941E-12	5.87766E-14
563	570630.6	4178639	0.55, 41786	0.37839	0.34592	0.35098	177.15033	78.68271	266.26636	23.7109	14.16715	33.28329	1.17E-08	8.9E-06	1.11E-06	3.62E-12	1.09E-11	8.63E-12	1.1E-13	2.65E-12	1.47E-13	2.91089E-12	2.346E-09	8.898E-06	1.11237E-06	3.70253E-12	4.44303E-13	1.84805E-12	7.39219E-14
564	570670.6	4178639	0.55, 41786	0.47152	0.44129	0.44999	194.04584	86.02037	313.51443	27.72083	17.24466	39.1893	1.5E-08	1.05E-05	1.31E-06	4.64E-12	1.4E-11	1.11E-11	1.41E-13	3.4E-12	1.88E-13	3.73203E-12	3.008E-09	1.0477E-05	1.30975E-06	4.74698E-12	5.69638E-13	2.36937E-12	9.47748E-14
565	570710.6	4178639	0.55, 41786	0.59058	0.57043	0.57865	207.44684	93.90742	372.29223	29.63526	21.88085	53.1846	1.93E-08	1.24E-05	1.78E-06	5.97E-12	1.8E-11	1.42E-11	1.81E-13	4.38E-12	2.42E-13	4.79909E-12	3.868E-09	1.2441E-05	1.77742E-06	6.10423E-12	7.32508E-13	3.04682E-12	1.21873E-13
566	570750.6	4178639	0.55, 41786	0.7421	0.74424	0.7234	219.27007	107.04803	379.32522	31.3243	27.05481	52.15596	2.42E-08	1.27E-05	1.74E-06	7.46E-12	2.25E-11	1.78E-11	2.27E-13	5.47E-12	3.02E-13	5.99965E-12	4.836E-09	1.2676E-05	1.74306E-06	7.63129E-12	9.15755E-13	3.80902E-12	1.52361E-13
567	570790.6	4178639	0.55, 41786	0.94425	0.97087	0.85006	237.37937	117.94026	412.19598	33.01145	30.70173	55.76703	2.84E-08	1.38E-05	1.86E-06	8.77E-12	2.65E-11	2.09E-11	2.66E-13	6.43E-12	3.55E-13	7.05034E-12	5.683E-09	1.3775E-05	1.86374E-06	8.96773E-12	1.07613E-12	4.47608E-12	1.79043E-13
568	570830.6	4178639	0.55, 41786	1.23329	1.33292	0.96284	295.25944	130.22679	473.13116	42.69044	39.99654	61.26658	3.22E-08	1.58E-05	2.05E-06	9.93E-12	3E-11	2.37E-11	3.01E-13	7.28E-12	4.02E-13	7.98624E-12	6.437E-09	1.5811E-05	2.0476E-06	1.01582E-11	1.21898E-12	5.07026E-12	2.0281E-13
569	570870.6	4178639	0.55, 41786	1.50989	1.73214	1.20169	317.24906	188.19869	615.93486	58.25942	53.82297	76.99186	4.02E-08	2.06E-05	2.57E-06	1.24E-11	3.74E-11	2.96E-11	3.76E-13	9.09E-12	5.02E-13	9.96751E-12	8.034E-09	2.0583E-05	2.57319E-06	1.26782E-11	1.52139E-12	6.32812E-12	2.53125E-13
570	570910.6	4178639	0.55, 41786	1.78259	1.99297	1.30656	332.58479	179.86407	638.76492	63.94152	52.98497	79.84561	4.37E-08	2.13E-05	2.67E-06	1.35E-11	4.07E-11	3.21E-11	4.09E-13	9.88E-12	5.46E-13	1.08376E-11	8.735E-09	2.1346E-05	2.6686E-06	1.3785E-11	1.6542E-12	6.88053E-12	2.75221E-13
571	570950.6	4178639	0.55, 41786	1.86524	1.94862	1.2876	326.77204	147.92341	425.10208	57.64661	41.4452	82.66786	4.3E-08	1.42E-05	2.76E-06	1.33E-11	4.01E-11	3.17E-11	4.03E-13	9.74E-12	5.38E-13	1.06803E-11	8.609E-09	1.4206E-05	2.76285E-06	1.35849E-11	1.63019E-12	6.78068E-12	2.71227E-13
572	570990.6	4178639	0.55, 41786	1.76592	1.78245	1.25006	311.73236	122.31574	573.48464	43.80696	33.57582	91.70195	4.18E-08	1.92E-05	3.06E-06	1.29E-11	3.89E-11	3.08E-11	3.91E-13	9.46E-12	5.22E-13	1.03687E-11	8.357E-09	1.9164E-05	3.06459E-06	1.31886E-11	1.58263E-12	6.58284E-12	2.63313E-13
573	571030.6	4178639	0.55, 41786	1.5977	1.58915	1.17717	263.38378	106.70114	334.97263	40.88022	26.80487	57.79917	3.93E-08	1.12E-05	1.93E-06	1.21E-11	3.67E-11	2.9E-11	3.69E-13	8.9E-12	4.91E-13	9.76393E-12	7.87E-09	1.1194E-05	1.93172E-06	1.24193E-11	1.49032E-12	6.19887E-12	2.47955E-13
574	571070.6	4178639	0.55, 41786	1.42629	1.41473	1.18099	323.91584	92.06505	516.79706	44.84431	24.93328	64.76299	3.95E-08	1.73E-05	2.16E-06	1.22E-11	3.68E-11	2.91E-11	3.7E-13	8.93E-12	4.93E-13	9.79521E-12	7.895E-09	1.727E-05	2.16445E-06	1.24591E-11	1.49509E-12	6.21873E-12	2.48749E-13
575	571110.6	4178639	0.55, 41786	1.27265	1.25146	1.07066	231.49813	85.11921	353.08688	34.4516	22.95032	48.16161	3.58E-08	1.18E-05	1.61E-06	1.1E-11	3.33E-11	2.63E-11	3.35E-13	8.1E-12	4.47E-13	8.88006E-12	7.157E-09	1.1799E-05	1.60962E-06	1.12951E-11	1.35541E-12	5.63772E-12	2.25509E-13
576	571150.6	4178639	0.55, 41786	1.10067	1.1079	0.9372	235.36335	78.49538	345.02109	33.92291	20.75102	48.66179	3.13E-08	1.15E-05	1.63E-06	9.67E-12	2.92E-11	2.31E-11	2.93E-13	7.09E-12	3.91E-13	7.77316E-12	6.265E-09	1.153E-05	1.62633E-06	9.88713E-12	1.18646E-12	4.93498E-12	1.97399E-13
577	571190.6	4178639	0.55, 41786	0.96404	0.98605	0.85109	150.10185	73.9658	197.92558	22.00887	18.66835	28.93746	2.84E-08	6.61E-06	9.67E-07	8.78E-12	2.65E-11	2.09E-11	2.66E-13	6.44E-12	3.55E-13	7.05892E-12	5.69E-09	6.6144E-06	9.67138E-07	8.97864E-12	1.07744E-12	4.48152E-12	1.79261E-13
578	571230.6	4178639	0.55, 41786	0.85847	0.87787	0.78438	130.71922	65.23747	181.52397	20.98447	16.26127	28.21366	2.62E-08	6.07E-06	9.43E-07	8.09E-12	2.44E-11	1.93E-11	2.46E-13	5.93E-12	3.27E-13	6.50555E-12	5.244E-09	6.0662E-06	9.42943E-07	8.27478E-12	9.92974E-13	4.13021E-12	1.65208E-13
579	571270.6	4178639	0.55, 41786	0.76521	0.78388	0.72231	147.71702	61.52416	210.17535	22.46264	14.29709	35.02922	2.41E-08	7.02E-06	1.17E-06	7.45E-12	2.25E-11	1.78E-11	2.26E-13	5.46E-12	3.02E-13	5.9907E-12	4.829E-09	7.0236E-06	1.1707E-06	7.61991E-12	9.14389E-13	3.80334E-12	1.52134E-13
580	571310.6	4178639	0.55, 41786	0.67814	0.70066	0.65218	136.41117	59.8434	199.34802	17.34958	13.40052	24.9185	2.18E-08	6.66E-06	8.33E-07	6.73E-12	2.03E-11	1.6E-11	2.04E-13	4.93E-12	2.72E-13	5.40904E-12	4.36E-09	6.6618E-06	8.32803E-07	6.88006E-12	8.25607E-13	3.43406E-12	1.37362E-13
581	571350.6	4178639	0.55, 41786	0.60279	0.6273	0.58324	124.67819	56.4143	162.56927	15.58477	12.33978	20.32116	1.95E-08	5.43E-06	6.79E-07	6.02E-12	1.82E-11	1.43E-11	1.83E-13	4.41E-12	2.43E-13	4.83726E-12	3.899E-09	5.4328E-06	6.79168E-07	6.15279E-12	7.38335E-13	3.07105E-12	1.22842E-13
582	571390.6	4178639	0.55, 41786	0.54567	0.56561	0.53406	134.64293	53.30447	146.45838	19.4501	11.04071	20.47738	1.79E-08	4.89E-06	6.84E-07	5.51E-12	1.66E-11	1.31E-11	1.67E-13	4.04E-12	2.23E-13	4.42936E-12	3.57E-09	4.8944E-06	6.84424E-07	5.63395E-12	6.76074E-13	2.81208E-12	1.12483E-13
583	571430.6	4178639	0.55, 41786	0.50035	0.51255	0.49968	147.79016	50.85435	197.85336	20.77571	9.97795	26.64502	1.67E-08	6.61E-06	8.91E-07	5.15E-12	1.56E-11	1.23E-11	1.56E-13	3.78E-12	2.09E-13	4.14418E-12	3.34E-09	6.6118E-06	8.90526E-07	5.27122E-12	6.32546E-13	2.63103E-12	1.05241E-13
584	571470.6	4178639	0.55, 41786	0.45884	0.46513	0.46599	118.76181	47.03177	145.5886	16.94782	8.9119	19.9832	1.56E-08	4.87E-06	6.68E-07	4.81E-12	1.45E-11	1.15E-11	1.46E-13	3.52E-12	1.95E-13	3.86474E-12	3.115E-09	4.8653E-06	6.67888E-07	4.91578E-12	5.89894E-13	2.45362E-12	9.81449E-14
585	571510.6	4178639	0.55, 41786	0.41516	0.4204	0.42431	105.04191	43.02213	132.76114	15.00599	7.61313	18.96588	1.42E-08	4.44E-06	6.34E-07	4.38E-12	1.32E-11	1.04E-11	1.33E-13	3.21E-12	1.77E-13	3.51905E-12	2.836E-09	4.4366E-06	6.33877E-07	4.47608E-12	5.3713E-13	2.23416E-12	8.93663E-14
586	571550.6	4178639	0.55, 41786	0.37489	0.38245	0.3824	101.59712	41.64808	125.74417	13.25702	7.0054	15.71802	1.28E-08	4.2E-06	5.25E-07	3.94E-12	1.19E-11	9.41E-12	1.2E-13	2.89E-12	1.6E-13	3.17148E-12	2.556E-09	4.2021E-06	5.25334E-07	4.03398E-12	4.84078E-13	2.01349E-12	8.05396E-14
587	571590.6	4178639	0.55, 41786	0.33863	0.34937	0.34405	106.83121	40.48294	130.44071	14.45913	6.53587	17.55635	1.15E-08	4.36E-06	5.87E-07	3.55E-12	1.07E-11	8.46E-12	1.08E-13	2.6E-12	1.44E-13	2.85343E-12	2.3E-09	4.3591E-06	5.86773E-07	3.62944E-12	4.35532E-13	1.81157E-12	7.24627E-14
588	570310.6	4178679	0.55, 41786	0.10291	0.0869	0.09701	88.39628	30.98258	103.31105	11.04953	4.21243	12.91388	3.24E-09	3.45E-06	4.32E-07	1E-12	3.02E-12	2.39E-12	3.04E-14	7.34E-13	4.05E-14	8.04544E-13	6.485E-10	3.4524E-06	4.31615E-07	1.02335E-12	1.22801E-13	5.10784E-13	2.04314E-14
589	570350.6	4178679	0.55, 41786	0.11574	0.09888	0.10892	93.23081	33.32166	112.3331	11.65385	4.76024	14.04164	3.64E-09	3.75E-06	4.69E-07	1.12E-12	3.39E-12	2.68E-12	3.41E-14	8.24E-13	4.55E-14	9.03322E-13	7.281E-10	3.7539E-06	4.69304E-07	1.14899E-12	1.37878E-13	5.73496E-13	2.29398E-14
590	570390.6	4178679	0.55, 41786	0.13137	0.11361	0.12342	99.39798	36.831	119.21549	12.42475	5.26157	14.90194	4.13E-09	3.98E-06	4.98E-07	1.27E-12	3.84E-12	3.04E-12	3.86E-14	9.33E-13	5.15E-14	1.02358E-12	8.25E-10	3.9839E-06	4.98058E-07	1.30195E-12	1.56234E-13	6.49844E-13	2.59938E-14
591	570430.6	4178679	0.55, 41786	0.15074	0.13191	0.14135	105.99103	39.73692	126.723	13.24888	5.6767	15.84037	4.72E-09	4.23E-06	5.29E-07	1.46E-12	4.4E-12	3.48E-12	4.43E-14	1.07E-12	5.9E-14	1.17229E-12	9.449E-10	4.2348E-06	5.29423E-07	1.4911E-12	1.78932E-13	7.44254E-13	2.97702E-14
592	570470.6	4178679	0.55, 41786	0.17494	0.15487	0.16378	121.69462	47.75873	135.7735	15.21183	5.96984	16.97169	5.47E-09	4.54E-06	5.67E-07	1.69E-12	5.1E-12	4.03E-12	5.13E-14	1.24E-12	6.84E-14	1.35831E-12	1.095E-09	4.5373E-06	5.67243E-07	1.72772E-12	2.07326E-13	8.62358E-13	3.44943E-14
593	570510.6	4178679	0.55, 41786	0.2057	0.18414	0.19253	135.37794	56.46386	170.3708	16.92224	7.12807	21.29635	6.44E-09	5.69E-06	7.12E-07	1.99E-12	6E-12	4.74E-12	6.03E-14	1.46E-12	8.04E-14	1.59676E-12	1.287E-09	5.6935E-06	7.11766E-07	2.031E-12	2.43721E-13	1.01374E-12	4.05496E-14
594	570550.6	4178679	0.55, 41786	0.2434	0.22078	0.22908	142.10791	62.60325	200.29273	17.76349	9.55219	25.03659	7.66E-09	6.69E-06	8.37E-07	2.36E-12	7.13E-12	5.64E-12	7.17E-14	1.73E-12	9.56E-14	1.89989E-12	1.531E-09	6.6934E-06	8.36753E-07	2.41658E-12	2.89989E-13	1.20619E-12	4.82476E-14
595	570590.6	4178679	0.55, 41786	0.29132	0.2684	0.27784	157.44437	70.02377	210.9671	21.20731	12.01595	26.37089	9.29E-09	7.05E-06	8.81E-07	2.87E-12	8.65E-12	6.83E-12	8.7E-14	2.1E-12	1.16E-13	2.30428E-12	1.857E-09	7.0501E-06	8.8137E-07	2.93095E-12	3.51714E-13	1.46293E-12	5.85172E-14
596	570630.6	4178679	0.55, 41786	0.34871	0.32823	0.33909	170.78411	74.6949	263.98396	24.39773	14.09383	33.40233	1.13E-08	8.82E-06	1.12E-06	3.5E-12	1.06E-11	8.34E-12	1.06E-13	2.56E-12	1.42E-13	2.81226E-12	2.267E-09	8.8217E-06	1.11635E-06	3.57708E-12	4.29249E-13	1.78543E-12	7.14173E-14
597	570670.6	4178679	0.55, 41786	0.41782	0.40379	0.41108	181.29369	80.27499	295.25985	25.8991	15.99045	42.12286	1.37E-08	9.87E-06	1.41E-06	4.24E-12	1.28E-11	1.01E-11	1.29E-13	3.11E-12	1.72E-13	3.40933E-12	2.748E-09	9.8668E-06	1.40776E-06	4.33652E-12	5.20382E-13	2.16449E-12	8.65797E-14
598	570710.6	4178679	0.55, 41786	0.49876	0.49687	0.48618	185.88712	90.92914	287.65142	26.5553	19.21501	39.31628	1.63E-08	9.61E-06	1.31E-06	5.01E-12	1.51E-11	1.2E-11	1.52E-13	3.68E-12	2.03E-13	4.03221E-12	3.25E-09	9.6127E-06	1.31398E-06	5.1288E-12	6.15456E-13	2.55995E-12	1.02398E-13
599	570750.6	4178679	0.55, 41786	0.59336	0.60818	0.55751	195.07014	97.11431	330.72411	27.40212	20.89244	45.57898	1.86E-08	1.11E-05	1.52E-06	5.75E-12	1.74E-11	1.37E-11	1.75E-13	4.22E-12	2.33E-13	4.62389E-12	3.727E-09	1.1052E-05	1.52326E-06	5.88138E-12	7.05766E-13	2.93559E-12	1.17423E-13
600	570790.6	4178679	0.55, 41786	0.71288	0.74367	0.61675	232.56486	100.08812	327.08033	29.70634	25.09865	40.88504	2.06E-08	1.09E-05	1.37E-06	6.36E-12	1.92E-11	1.52E-11	1.93E-13	4.66E-12	2.57E-13	5.11537E-12	4.123E-09	1.093E-05	1.36643E-06	6.50653E-12	7.80783E-13	3.24762E-12	1.29905E-13
601	570830.6	4178679	0.55, 41786	0.82835	0.8948	0.66469	250.25968	113.32691	367.70207	36.36599	33.16876	46.21837	2.22E-08	1.23E-05	1.54E-06	6.86E-12	2.07E-11	1.64E-11	2.08E-13	5.03E-12	2.78E-13	5.51319E-12	4.444E-09	1.2288E-05	1.54471E-06	7.01254E-12	8.41505E-13	3.50018E-12	1.40007E-13
602	570870.6	4178679	0.55, 41786	0.92801	1.04065	0.83445	269.45277	158.88347	492.55659	39.41339	35.15016	62.53118	2.79E-08	1.65E-05	2.09E-06	8.61E-12	2.6E-11	2.05E-11	2.61E-13	6.31E-12	3.48E-13	6.92105E-12	5.578E-09	1.646E-05	2.08982E-06	8.80328E-12	1.05639E-12	4.394E-12	1.7576E-13
603	570910.6	4178679	0.55, 41786	1.03394	1.13081	0.83809	259.70616	144.94226	471.11442	42.20689	35.5523	58.8893	2.8E-08	1.57E-05	1.97E-06	8.64E-12	2.61E-11	2.06E-11	2.62E-13	6.34E-12	3.5E-13	6.95144E-12	5.603E-09	1.5744E-05	1.96815E-06	8.84193E-12	1.06103E-12	4.41329E-12	1.76532E-13
604	570950.6	4178679	0.55, 41786	1.05684	1.13643	0.82319	242.80014	123.49716	418.67106	39.92153	30.15323	58.18912	2.75E-08	1.4E-05	1.94E-06	8.49E-12	2.56E-11	2.03E-11	2.58E-13	6.23E-12	3.44E-13	6.82792E-12	5.503E-09	1.3991E-05	1.94474E-06	8.68481E-12	1.04218E-12	4.33487E-12	1.73395E-13
605	570990.6	4178679	0.55, 41786	1.01802	1.09421	0.82722	255.86386	105.93706	407.98363	37.15781	26.85338	67.99727	2.77E-08	1.36E-05	2.27E-06	8.53E-12	2.58E-11	2.04E-11	2.59E-13	6.26E-12	3.45E-13	6.86123E-12	5.53E-09	1.3634E-05	2.27245E-06	8.72719E-12	1.04726E-12	4.35602E-12	1.74241E-13
606	571030.6	4178679	0.55, 41786	0.98373	1.03259	0.8073	224.24787	96.85684	406.17161	32.03518	21.71644	50.77145	2.7E-08	1.36E-05	1.7E-06	8.33E-12	2.51E-11	1.99E-11	2.53E-13	6.11E-12	3.37E-13	6.69594E-12	5.397E-09	1.3573E-05	1.69681E-06	8.51694E-12	1.02203E-12	4.25108E-12	1.70043E-13
607	571070.6	4178679	0.55, 41786	0.92088	0.95493	0.77727	234.21131	81.25508	306.97474	29.84103	18.74017	38.37184	2.6E-08	1.03E-05	1.28E-06	8.02E-12	2.42E-11	1.91E-11	2.43E-13	5.88E-12	3.25E-13	6.44677E-12	5.196E-09	1.0258E-05	1.28246E-06	8.20002E-12	9.84002E-13	4.09289E-12	1.63716E-13
608	571110.6	4178679	0.55, 41786	0.85296	0.87816	0.75636	249.82687	76.90023	376.11255	32.83771	18.41049	47.06858	2.53E-08	1.26E-05	1.57E-06	7.8E-12	2.36E-11	1.86E-11	2.37E-13	5.72E-12	3.16E-13	6.27323E-12	5.056E-09	1.2569E-05	1.57308E-06	7.97928E-12	9.57513E-13	3.98271E-12	1.59309E-13
609	571150.6	4178679	0.55, 41786	0.78449	0.80428	0.7091	184.12399	71.8753	265.86204	26.94504	17.68151	37.98029	2.37E-08	8.88E-06	1.27E-06	7.31E-12	2.21E-11	1.74E-11	2.22E-13	5.36E-12	2.96E-13	5.88121E-12	4.74E-09	8.8845E-06	1.26935E-06	7.48065E-12	8.97678E-13	3.73383E-12	1.49353E-13
610	571190.6	4178679	0.55, 41786	0.70872	0.73542	0.64227	192.12547	69.23049	267.93218	27.25383	16.04767	37.1098	2.15E-08	8.95E-06	1.24E-06	6.62E-12	2E-11	1.58E-11	2.01E-13	4.86E-12	2.68E-13	5.32695E-12	4.294E-09	8.9536E-06	1.24026E-06	6.77565E-12	8.13077E-13	3.38194E-12	1.35278E-13
611	571230.6	4178679	0.55, 41786	0.64141	0.6715	0.58509	152.95792	62.82263	210.7281	21.78847	14.44714	29.62503	1.96E-08	7.04E-06	9.9E-07	6.03E-12	1.82E-11	1.44E-11	1.83E-13	4.43E-12	2.44E-13	4.8527E-12	3.911E-09	7.0421E-06	9.90111E-07	6.17243E-12	7.40691E-13	3.08086E-12	1.23234E-13
612	571270.6	4178679	0.55, 41786	0.5854	0.61191	0.54631	124.65244	57.66905	171.62004	20.54509	12.75642	28.60334	1.83E-08	5.74E-06	9.56E-07	5.63E-12	1.7E-11	1.34E-11	1.71E-13	4.13E-12	2.28E-13	4.53103E-12	3.652E-09	5.7352E-06	9.5596E-07	5.76327E-12	6.91593E-13	2.87663E-12	1.15065E-13
613	571310.6	4178679	0.55, 41786	0.53447	0.5582	0.50849	125.80787	55.1913	171.33448	17.97255	11.70277	24.47635	1.7E-08	5.73E-06	8.18E-07	5.24E-12	1.58E-11	1.25E-11	1.59E-13	3.85E-12	2.12E-13	4.21733E-12	3.399E-09	5.7257E-06	8.18035E-07	5.36426E-12	6.43711E-13	2.67747E-12	1.07099E-13
614	571350.6	4178679	0.55, 41786	0.48504	0.50906	0.46427	111.39997	53.56601	157.83086	13.925	11.19981	19.72886	1.55E-08	5.27E-06	6.59E-07	4.79E-12	1.45E-11	1.14E-11	1.45E-13	3.51E-12	1.94E-13	3.85057E-12	3.104E-09	5.2744E-06	6.59362E-07	4.89776E-12	5.87732E-13	2.44463E-12	9.77852E-14
615	571390.6	4178679	0.55, 41786	0.44312	0.4655	0.42576	107.51836	51.27371	117.14548	13.43979	10.40254	14.64318	1.42E-08	3.91E-06	4.89E-07	4.39E-12	1.33E-11	1.05E-11	1.33E-13	3.22E-12	1.78E-13	3.53118E-12	2.846E-09	3.9149E-06	4.89421E-07	4.4915E-12	5.3898E-13	2.24185E-12	8.96741E-14
616	571430.6	4178679	0.55, 41786	0.41031	0.42684	0.39928	122.12368	48.88835	136.65658	17.23844	9.36082	18.91196	1.33E-08	4.57E-06	6.32E-07	4.12E-12	1.24E-11	9.82E-12	1.25E-13	3.02E-12	1.67E-13	3.31153E-12	2.669E-09	4.5669E-06	6.32095E-07	4.21213E-12	5.05455E-13	2.10241E-12	8.40963E-14
617	571470.6	4178679	0.55, 41786	0.38401	0.39267	0.38101	130.83453	46.56818	169.29762	18.03085	8.50414	22.62935	1.27E-08	5.66E-06	7.56E-07	3.93E-12	1.19E-11	9.37E-12	1.19E-13	2.88E-12	1.59E-13	3.15997E-12	2.547E-09	5.6575E-06	7.56318E-07	4.01935E-12	4.82322E-13	2.00619E-12	8.02475E-14
618	571510.6	4178679	0.55, 41786	0.35733	0.36026	0.36021	104.69184	43.30646	125.50481	14.57371	7.68103	16.95061	1.2E-08	4.19E-06	5.67E-07	3.72E-12	1.12E-11	8.86E-12	1.13E-13	2.72E-12	1.5E-13	2.98744E-12	2.408E-09	4.1942E-06	5.66533E-07	3.7999E-12	4.55988E-13	1.89665E-12	7.5866E-14
619	571550.6	4178679	0.55, 41786	0.32923	0.33046	0.33426	93.91251	40.06683	115.0705	13.41607	6.60436	16.43864	1.12E-08	3.85E-06	5.49E-07	3.45E-12	1.04E-11	8.22E-12	1.05E-13	2.53E-12	1.4E-13	2.77221E-12	2.234E-09	3.8455E-06	5.49415E-07	3.52614E-12	4.23137E-13	1.76001E-12	7.04003E-14
620	571590.6	4178679	0.55, 41786	0.30119	0.30402	0.3057	90.51235	37.8645	108.48539	11.49242	5.95997	13.56067	1.02E-08	3.63E-06	4.53E-07	3.15E-12	9.52E-12	7.52E-12	9.57E-14	2.31E-12	1.28E-13	2.53535E-12	2.044E-09	3.6254E-06	4.53231E-07	3.22486E-12	3.86983E-13	1.60963E-12	6.43852E-14
621	570310.6	4178719	0.55, 41787	0.10285	0.08839	0.09803	86.08959	31.99227	98.88317	10.7612	4.57032	12.3604	3.28E-09	3.3E-06	4.13E-07	1.01E-12	3.05E-12	2.41E-12	3.07E-14	7.41E-13	4.09E-14	8.13005E-13	6.553E-10	3.3045E-06	4.13118E-07	1.03411E-12	1.24093E-13	5.16156E-13	2.06462E-14
622	570350.6	4178719	0.55, 41787	0.11563	0.10049	0.11012	90.6137	34.18211	105.82439	11.32671	4.88316	13.22805	3.68E-09	3.54E-06	4.42E-07	1.14E-12	3.43E-12	2.71E-12	3.45E-14	8.33E-13	4.6E-14	9.13275E-13	7.361E-10	3.5365E-06	4.42115E-07	1.16165E-12	1.39397E-13	5.79815E-13	2.31926E-14
623	570390.6	4178719	0.55, 41787	0.13114	0.11521	0.12472	102.01088	38.97546	110.90458	12.75136	5.08393	13.86307	4.17E-09	3.71E-06	4.63E-07	1.29E-12	3.88E-12	3.07E-12	3.9E-14	9.43E-13	5.21E-14	1.03436E-12	8.337E-10	3.7063E-06	4.63347E-07	1.31566E-12	1.5788E-13	6.5669E-13	2.62676E-14
624	570430.6	4178719	0.55, 41787	0.15	0.13322	0.1425	114.28488	46.41789	135.81295	14.28561	5.80224	16.97662	4.76E-09	4.54E-06	5.67E-07	1.47E-12	4.44E-12	3.51E-12	4.46E-14	1.08E-12	5.95E-14	1.18182E-12	9.526E-10	4.5386E-06	5.674E-07	1.50323E-12	1.80387E-13	7.50309E-13	3.00124E-14
625	570470.6	4178719	0.55, 41787	0.17288	0.1553	0.16447	122.16306	52.59309	158.80652	15.27038	6.67803	19.85082	5.5E-09	5.31E-06	6.63E-07	1.7E-12	5.12E-12	4.05E-12	5.15E-14	1.24E-12	6.87E-14	1.36403E-12	1.099E-09	5.307E-06	6.63449E-07	1.73499E-12	2.08199E-13	8.6599E-13	3.46396E-14
626	570510.6	4178719	0.55, 41787	0.1999	0.18201	0.19124	126.87173	56.8638	170.00598	15.85897	8.56143	21.25075	6.39E-09	5.68E-06	7.1E-07	1.97E-12	5.96E-12	4.7E-12	5.99E-14	1.45E-12	7.98E-14	1.58605E-12	1.278E-09	5.6813E-06	7.10233E-07	2.01739E-12	2.42087E-13	1.00694E-12	4.02778E-14
627	570550.6	4178719	0.55, 41787	0.2328	0.21534	0.22528	141.7684	62.68438	190.3461	19.27806	10.36338	23.79326	7.53E-09	6.36E-06	7.95E-07	2.32E-12	7.02E-12	5.54E-12	7.05E-14	1.7E-12	9.4E-14	1.86837E-12	1.506E-09	6.361E-06	7.95221E-07	2.37648E-12	2.85178E-13	1.18618E-12	4.74471E-14
628	570590.6	4178719	0.55, 41787	0.2704	0.25529	0.2651	152.6333	65.86327	220.26265	21.80476	11.76563	29.62209	8.86E-09	7.36E-06	9.9E-07	2.73E-12	8.26E-12	6.52E-12	8.3E-14	2E-12	1.11E-13	2.19862E-12	1.772E-09	7.3607E-06	9.90013E-07	2.79655E-12	3.35586E-13	1.39585E-12	5.58339E-14
629	570630.6	4178719	0.55, 41787	0.31352	0.30328	0.30884	160.25221	70.5161	243.59554	22.89317	12.52474	34.32359	1.03E-08	8.14E-06	1.15E-06	3.19E-12	9.62E-12	7.6E-12	9.67E-14	2.34E-12	1.29E-13	2.56139E-12	2.065E-09	8.1404E-06	1.14712E-06	3.25798E-12	3.90957E-13	1.62616E-12	6.50464E-14
630	570670.6	4178719	0.55, 41787	0.36149	0.3594	0.35242	159.13882	79.23774	228.99362	22.73412	14.05012	31.24302	1.18E-08	7.65E-06	1.04E-06	3.63E-12	1.1E-11	8.67E-12	1.1E-13	2.67E-12	1.47E-13	2.92285E-12	2.356E-09	7.6526E-06	1.04418E-06	3.71774E-12	4.46129E-13	1.85564E-12	7.42258E-14
631	570710.6	4178719	0.55, 41787	0.41184	0.42167	0.39325	168.39934	82.78202	268.08178	23.84947	15.22445	37.49142	1.31E-08	8.96E-06	1.25E-06	4.06E-12	1.22E-11	9.67E-12	1.23E-13	2.97E-12	1.64E-13	3.26153E-12	2.629E-09	8.9587E-06	1.25298E-06	4.14852E-12	4.97823E-13	2.07066E-12	8.28264E-14
632	570750.6	4178719	0.55, 41787	0.46631	0.48852	0.43046	193.26616	81.97611	266.60906	24.83922	16.78199	33.32613	1.44E-08	8.91E-06	1.11E-06	4.44E-12	1.34E-11	1.06E-11	1.35E-13	3.26E-12	1.8E-13	3.5702E-12	2.878E-09	8.9095E-06	1.11381E-06	4.54114E-12	5.44936E-13	2.26663E-12	9.0665E-14
633	570790.6	4178719	0.55, 41787	0.5297	0.5627	0.45402	208.56721	92.88706	267.98327	26.09236	23.00092	33.50993	1.52E-08	8.96E-06	1.12E-06	4.68E-12	1.41E-11	1.12E-11	1.42E-13	3.43E-12	1.9E-13	3.76571E-12	3.035E-09	8.9555E-06	1.11996E-06	4.78982E-12	5.74778E-13	2.39075E-12	9.563E-14
634	570830.6	4178719	0.55, 41787	0.58417	0.63922	0.49731	206.25232	102.59816	258.13483	28.9378	25.69667	32.26685	1.66E-08	8.63E-06	1.08E-06	5.13E-12	1.55E-11	1.22E-11	1.56E-13	3.76E-12	2.08E-13	4.12481E-12	3.325E-09	8.6265E-06	1.07845E-06	5.24658E-12	6.29589E-13	2.61873E-12	1.04749E-13
635	570870.6	4178719	0.55, 41787	0.63384	0.71183	0.60618	208.40577	136.85909	408.7133	28.70976	24.7437	51.08916	2.03E-08	1.37E-05	1.71E-06	6.25E-12	1.89E-11	1.49E-11	1.9E-13	4.58E-12	2.53E-13	5.02765E-12	4.052E-09	1.3658E-05	1.70739E-06	6.39495E-12	7.67394E-13	3.19192E-12	1.27677E-13
636	570910.6	4178719	0.55, 41787	0.68401	0.75343	0.58123	211.07044	124.31957	366.90455	30.70854	25.49482	45.86307	1.94E-08	1.23E-05	1.53E-06	6E-12	1.81E-11	1.43E-11	1.82E-13	4.4E-12	2.43E-13	4.82087E-12	3.886E-09	1.2261E-05	1.53278E-06	6.13194E-12	7.35833E-13	3.06065E-12	1.22426E-13
637	570950.6	4178719	0.55, 41787	0.69007	0.76497	0.57081	207.10313	108.18225	376.87466	30.79195	24.65468	47.10933	1.91E-08	1.26E-05	1.57E-06	5.89E-12	1.78E-11	1.4E-11	1.79E-13	4.32E-12	2.38E-13	4.7345E-12	3.816E-09	1.2594E-05	1.57443E-06	6.02208E-12	7.2265E-13	3.00581E-12	1.20233E-13
638	570990.6	4178719	0.55, 41787	0.68048	0.74999	0.58632	206.58356	95.47159	294.44278	32.17827	21.60129	36.80535	1.96E-08	9.84E-06	1.23E-06	6.05E-12	1.83E-11	1.44E-11	1.84E-13	4.43E-12	2.45E-13	4.86307E-12	3.92E-09	9.8397E-06	1.23013E-06	6.18561E-12	7.42274E-13	3.08744E-12	1.23497E-13
639	571030.6	4178719	0.55, 41787	0.66194	0.72353	0.59736	210.3532	86.11281	328.15995	30.372	18.42489	51.15716	2E-08	1.1E-05	1.71E-06	6.16E-12	1.86E-11	1.47E-11	1.87E-13	4.52E-12	2.49E-13	4.95455E-12	3.993E-09	1.0966E-05	1.70968E-06	6.30197E-12	7.56236E-13	3.14551E-12	1.25821E-13
640	571070.6	4178719	0.55, 41787	0.64029	0.68839	0.56269	181.70859	76.31707	252.84162	22.73215	15.52213	31.6052	1.88E-08	8.45E-06	1.06E-06	5.8E-12	1.75E-11	1.38E-11	1.76E-13	4.26E-12	2.35E-13	4.66701E-12	3.762E-09	8.4494E-06	1.05629E-06	5.93623E-12	7.12348E-13	2.96296E-12	1.18519E-13
641	571110.6	4178719	0.55, 41787	0.60626	0.64543	0.53034	207.95149	70.27092	268.27126	26.16426	14.32632	33.53391	1.77E-08	8.96E-06	1.12E-06	5.47E-12	1.65E-11	1.3E-11	1.66E-13	4.01E-12	2.21E-13	4.39869E-12	3.545E-09	8.965E-06	1.12077E-06	5.59494E-12	6.71393E-13	2.79261E-12	1.11705E-13
642	571150.6	4178719	0.55, 41787	0.57256	0.60327	0.52806	200.64391	66.12781	289.68563	25.68735	14.52342	36.23202	1.77E-08	9.68E-06	1.21E-06	5.45E-12	1.64E-11	1.3E-11	1.65E-13	3.99E-12	2.2E-13	4.37969E-12	3.53E-09	9.6805E-06	1.21092E-06	5.57078E-12	6.68493E-13	2.78055E-12	1.11222E-13
643	571190.6	4178719	0.55, 41787	0.53842	0.56251	0.50995	154.3512	63.9477	213.38711	22.19645	14.00077	30.48387	1.7E-08	7.13E-06	1.02E-06	5.26E-12	1.59E-11	1.25E-11	1.6E-13	3.86E-12	2.13E-13	4.22944E-12	3.409E-09	7.1309E-06	1.01881E-06	5.37967E-12	6.4556E-13	2.68516E-12	1.07407E-13
644	571230.6	4178719	0.55, 41787	0.49735	0.52247	0.4676	159.72675	60.41971	199.28282	22.34048	12.75874	27.30767	1.56E-08	6.66E-06	9.13E-07	4.82E-12	1.46E-11	1.15E-11	1.46E-13	3.54E-12	1.95E-13	3.87821E-12	3.126E-09	6.6596E-06	9.12682E-07	4.93292E-12	5.9195E-13	2.46218E-12	9.84871E-14
645	571270.6	4178719	0.55, 41787	0.45612	0.4836	0.42898	144.14128	55.22387	195.55309	20.17616	11.51496	26.9261	1.43E-08	6.53E-06	9E-07	4.42E-12	1.34E-11	1.06E-11	1.34E-13	3.24E-12	1.79E-13	3.55791E-12	2.868E-09	6.5349E-06	8.99912E-07	4.52551E-12	5.43061E-13	2.25883E-12	9.03531E-14
646	571310.6	4178719	0.55, 41787	0.42006	0.44717	0.39945	118.44349	52.26024	154.81704	17.97136	10.56882	25.80284	1.34E-08	5.17E-06	8.62E-07	4.12E-12	1.24E-11	9.83E-12	1.25E-13	3.02E-12	1.67E-13	3.31299E-12	2.67E-09	5.1737E-06	8.62359E-07	4.21398E-12	5.05677E-13	2.10333E-12	8.41332E-14
647	571350.6	4178719	0.55, 41787	0.38785	0.41385	0.37184	109.17018	50.24459	147.83356	14.07795	10.0186	18.4792	1.24E-08	4.94E-06	6.18E-07	3.84E-12	1.16E-11	9.15E-12	1.16E-13	2.81E-12	1.55E-13	3.08399E-12	2.486E-09	4.9403E-06	6.17606E-07	3.9227E-12	4.70724E-13	1.95794E-12	7.83178E-14
648	571390.6	4178719	0.55, 41787	0.35875	0.38356	0.34391	87.70597	48.80309	113.13015	10.96325	9.64341	14.14127	1.15E-08	3.78E-06	4.73E-07	3.55E-12	1.07E-11	8.46E-12	1.08E-13	2.6E-12	1.44E-13	2.85234E-12	2.299E-09	3.7807E-06	4.72627E-07	3.62806E-12	4.35367E-13	1.81088E-12	7.24351E-14
649	571430.6	4178719	0.55, 41787	0.33385	0.35563	0.32061	80.9107	47.09106	69.47289	11.59229	8.99084	10.76512	1.07E-08	2.32E-06	3.6E-07	3.31E-12	9.98E-12	7.89E-12	1E-13	2.42E-12	1.34E-13	2.65909E-12	2.143E-09	2.3219E-06	3.59819E-07	3.38225E-12	4.0587E-13	1.68819E-12	6.75275E-14
650	571470.6	4178719	0.55, 41787	0.31507	0.33052	0.30587	111.40642	45.19171	126.48359	15.57659	8.16367	17.53078	1.02E-08	4.23E-06	5.86E-07	3.15E-12	9.53E-12	7.52E-12	9.58E-14	2.31E-12	1.28E-13	2.53682E-12	2.045E-09	4.2269E-06	5.85928E-07	3.22673E-12	3.87207E-13	1.61056E-12	6.44225E-14
651	571510.6	4178719	0.55, 41787	0.29891	0.30701	0.29518	116.70467	43.07153	146.87884	15.95519	7.46065	19.6972	9.87E-09	4.91E-06	6.58E-07	3.04E-12	9.19E-12	7.26E-12	9.24E-14	2.23E-12	1.23E-13	2.44813E-12	1.973E-09	4.9084E-06	6.58322E-07	3.11392E-12	3.73671E-13	1.55426E-12	6.21703E-14
652	571550.6	4178719	0.55, 41787	0.28299	0.28542	0.28355	93.20798	40.2806	109.70993	12.81909	6.80365	14.78577	9.48E-09	3.67E-06	4.94E-07	2.92E-12	8.83E-12	6.98E-12	8.88E-14	2.14E-12	1.18E-13	2.35166E-12	1.895E-09	3.6663E-06	4.9418E-07	2.99121E-12	3.58945E-13	1.49301E-12	5.97203E-14
653	571590.6	4178719	0.55, 41787	0.2649	0.26495	0.26753	84.18961	37.57199	100.50298	12.02709	5.93847	14.35757	8.94E-09	3.36E-06	4.8E-07	2.76E-12	8.33E-12	6.58E-12	8.38E-14	2.02E-12	1.12E-13	2.21879E-12	1.788E-09	3.3587E-06	4.79864E-07	2.8222E-12	3.38664E-13	1.40865E-12	5.6346E-14
654	570310.6	4178759	0.55, 41787	0.10291	0.08971	0.0989	86.89901	32.22927	93.76167	10.86238	4.40505	11.72021	3.31E-09	3.13E-06	3.92E-07	1.02E-12	3.08E-12	2.43E-12	3.1E-14	7.48E-13	4.13E-14	8.20221E-13	6.611E-10	3.1334E-06	3.91727E-07	1.04329E-12	1.25194E-13	5.20737E-13	2.08295E-14
655	570350.6	4178759	0.55, 41787	0.11544	0.10167	0.11074	97.89636	38.6449	111.66772	12.23704	4.83061	13.95846	3.7E-09	3.73E-06	4.67E-07	1.14E-12	3.45E-12	2.72E-12	3.47E-14	8.38E-13	4.62E-14	9.18418E-13	7.403E-10	3.7318E-06	4.6653E-07	1.16819E-12	1.40182E-13	5.8308E-13	2.33232E-14
656	570390.6	4178759	0.55, 41787	0.13027	0.11595	0.12485	105.67733	44.34348	129.76492	13.20967	5.54293	16.22061	4.17E-09	4.34E-06	5.42E-07	1.29E-12	3.89E-12	3.07E-12	3.91E-14	9.44E-13	5.21E-14	1.03544E-12	8.346E-10	4.3365E-06	5.42128E-07	1.31704E-12	1.58044E-13	6.57375E-13	2.6295E-14
657	570430.6	4178759	0.55, 41787	0.14773	0.133	0.14184	109.21499	48.49986	141.11126	13.65187	6.24447	17.63891	4.74E-09	4.72E-06	5.9E-07	1.46E-12	4.42E-12	3.49E-12	4.44E-14	1.07E-12	5.92E-14	1.17635E-12	9.482E-10	4.7157E-06	5.89524E-07	1.49627E-12	1.79552E-13	7.46834E-13	2.98734E-14
658	570470.6	4178759	0.55, 41787	0.16767	0.15301	0.16202	117.79795	52.53636	140.35154	14.72474	7.71399	17.54394	5.42E-09	4.69E-06	5.86E-07	1.67E-12	5.05E-12	3.99E-12	5.07E-14	1.23E-12	6.76E-14	1.34371E-12	1.083E-09	4.6903E-06	5.8636E-07	1.70915E-12	2.05098E-13	8.5309E-13	3.41236E-14
659	570510.6	4178759	0.55, 41787	0.191	0.17712	0.1864	128.29828	56.17436	171.94141	17.6792	9.03197	21.49268	6.23E-09	5.75E-06	7.18E-07	1.92E-12	5.8E-12	4.59E-12	5.84E-14	1.41E-12	7.78E-14	1.54591E-12	1.246E-09	5.746E-06	7.18333E-07	1.96633E-12	2.3596E-13	9.8146E-13	3.92584E-14
660	570550.6	4178759	0.55, 41787	0.21672	0.20498	0.21341	137.63049	58.52483	184.29573	19.6615	9.95092	26.17497	7.13E-09	6.16E-06	8.75E-07	2.2E-12	6.65E-12	5.25E-12	6.68E-14	1.61E-12	8.91E-14	1.76992E-12	1.427E-09	6.1588E-06	8.74809E-07	2.25127E-12	2.70152E-13	1.12368E-12	4.49472E-14
661	570590.6	4178759	0.55, 41787	0.24504	0.23724	0.24166	142.23889	62.68425	205.21483	20.31984	10.25836	28.57469	8.08E-09	6.86E-06	9.55E-07	2.49E-12	7.53E-12	5.94E-12	7.57E-14	1.83E-12	1.01E-13	2.00423E-12	1.615E-09	6.8578E-06	9.55001E-07	2.54929E-12	3.05915E-13	1.27243E-12	5.08973E-14
662	570630.6	4178759	0.55, 41787	0.27554	0.27375	0.26892	139.19636	70.02218	188.40794	19.61007	11.07526	25.7042	8.99E-09	6.3E-06	8.59E-07	2.77E-12	8.37E-12	6.62E-12	8.42E-14	2.03E-12	1.12E-13	2.23033E-12	1.798E-09	6.2963E-06	8.59078E-07	2.83688E-12	3.40426E-13	1.41598E-12	5.66392E-14
663	570670.6	4178759	0.55, 41787	0.30614	0.31293	0.29402	149.31547	72.47289	221.2081	21.10931	12.07881	31.37185	9.83E-09	7.39E-06	1.05E-06	3.03E-12	9.16E-12	7.23E-12	9.21E-14	2.22E-12	1.23E-13	2.43853E-12	1.965E-09	7.3923E-06	1.04847E-06	3.10171E-12	3.72205E-13	1.54816E-12	6.19264E-14
664	570710.6	4178759	0.55, 41787	0.33494	0.35231	0.31792	164.794	71.08708	213.69891	21.55176	13.08376	26.71236	1.06E-08	7.14E-06	8.93E-07	3.28E-12	9.9E-12	7.82E-12	9.95E-14	2.4E-12	1.33E-13	2.63678E-12	2.125E-09	7.1414E-06	8.92783E-07	3.35387E-12	4.02465E-13	1.67402E-12	6.6961E-14
665	570750.6	4178759	0.55, 41787	0.36674	0.3924	0.33661	179.38877	78.60477	216.64393	22.4236	16.36841	27.08049	1.13E-08	7.24E-06	9.05E-07	3.47E-12	1.05E-11	8.28E-12	1.05E-13	2.55E-12	1.41E-13	2.79183E-12	2.25E-09	7.2399E-06	9.05092E-07	3.55109E-12	4.26131E-13	1.77246E-12	7.08986E-14
666	570790.6	4178759	0.55, 41787	0.40357	0.43625	0.34677	166.36606	82.34558	242.62848	21.7564	19.87746	30.35713	1.16E-08	8.11E-06	1.01E-06	3.58E-12	1.08E-11	8.53E-12	1.09E-13	2.62E-12	1.45E-13	2.87617E-12	2.318E-09	8.1082E-06	1.01457E-06	3.65837E-12	4.39004E-13	1.82601E-12	7.30403E-14
667	570830.6	4178759	0.55, 41787	0.43354	0.48203	0.39259	188.6599	98.62945	246.30784	24.95534	19.43466	30.78848	1.31E-08	8.23E-06	1.03E-06	4.05E-12	1.22E-11	9.66E-12	1.23E-13	2.97E-12	1.64E-13	3.25618E-12	2.625E-09	8.2313E-06	1.02902E-06	4.14172E-12	4.97007E-13	2.06727E-12	8.26907E-14
668	570870.6	4178759	0.55, 41787	0.46387	0.52331	0.45582	172.12292	120.25167	329.63715	21.51536	18.67269	41.20464	1.52E-08	1.1E-05	1.38E-06	4.7E-12	1.42E-11	1.12E-11	1.43E-13	3.45E-12	1.9E-13	3.78054E-12	3.047E-09	1.1016E-05	1.37704E-06	4.80868E-12	5.77041E-13	2.40016E-12	9.60066E-14
669	570910.6	4178759	0.55, 41787	0.49085	0.54778	0.42691	176.15826	108.72169	296.15879	23.43896	19.655	37.01985	1.43E-08	9.9E-06	1.24E-06	4.4E-12	1.33E-11	1.05E-11	1.34E-13	3.23E-12	1.78E-13	3.54089E-12	2.854E-09	9.8971E-06	1.23722E-06	4.50386E-12	5.40463E-13	2.24802E-12	8.99208E-14
670	570950.6	4178759	0.55, 41787	0.48762	0.55475	0.41816	180.46301	97.04885	324.78811	24.36206	20.46933	40.59851	1.4E-08	1.09E-05	1.36E-06	4.31E-12	1.3E-11	1.03E-11	1.31E-13	3.16E-12	1.75E-13	3.46835E-12	2.796E-09	1.0854E-05	1.35681E-06	4.4116E-12	5.29392E-13	2.20197E-12	8.80787E-14
671	570990.6	4178759	0.55, 41787	0.49051	0.55159	0.43765	151.23194	87.28492	222.11928	25.20532	17.38113	28.62893	1.46E-08	7.42E-06	9.57E-07	4.51E-12	1.36E-11	1.08E-11	1.37E-13	3.31E-12	1.83E-13	3.62995E-12	2.926E-09	7.4229E-06	9.56858E-07	4.61713E-12	5.54056E-13	2.30456E-12	9.21824E-14
672	571030.6	4178759	0.55, 41787	0.48428	0.53663	0.45626	187.58168	78.86438	272.43541	28.06386	15.68835	45.4059	1.53E-08	9.1E-06	1.52E-06	4.71E-12	1.42E-11	1.12E-11	1.43E-13	3.45E-12	1.9E-13	3.78422E-12	3.05E-09	9.1042E-06	1.51748E-06	4.81336E-12	5.77603E-13	2.4025E-12	9.61001E-14
673	571070.6	4178759	0.55, 41787	0.467	0.51625	0.43604	163.79974	72.83551	258.94072	22.54296	13.46245	32.36759	1.46E-08	8.65E-06	1.08E-06	4.5E-12	1.36E-11	1.07E-11	1.37E-13	3.3E-12	1.82E-13	3.61652E-12	2.915E-09	8.6532E-06	1.08176E-06	4.60006E-12	5.52007E-13	2.29604E-12	9.18414E-14
674	571110.6	4178759	0.55, 41787	0.44755	0.4933	0.39624	157.0432	65.36033	149.25903	19.63651	11.35189	22.10234	1.32E-08	4.99E-06	7.39E-07	4.09E-12	1.23E-11	9.75E-12	1.24E-13	3E-12	1.65E-13	3.28647E-12	2.649E-09	4.9881E-06	7.38723E-07	4.18025E-12	5.0163E-13	2.0865E-12	8.34599E-14
675	571150.6	4178759	0.55, 41787	0.4302	0.46818	0.38775	183.98767	62.14189	232.46693	23.05685	11.54043	29.05837	1.3E-08	7.77E-06	9.71E-07	4E-12	1.21E-11	9.54E-12	1.21E-13	2.93E-12	1.62E-13	3.21602E-12	2.592E-09	7.7685E-06	9.71188E-07	4.09064E-12	4.90877E-13	2.04177E-12	8.16708E-14
676	571190.6	4178759	0.55, 41787	0.41561	0.44245	0.39452	166.33485	59.4631	232.20811	21.02615	11.70076	29.03347	1.32E-08	7.76E-06	9.7E-07	4.07E-12	1.23E-11	9.71E-12	1.24E-13	2.98E-12	1.65E-13	3.2721E-12	2.637E-09	7.7598E-06	9.70337E-07	4.16197E-12	4.99436E-13	2.07737E-12	8.30949E-14
677	571230.6	4178759	0.55, 41787	0.39577	0.41616	0.38297	133.04594	57.55284	174.38403	19.00656	11.25795	24.912	1.28E-08	5.83E-06	8.33E-07	3.95E-12	1.19E-11	9.42E-12	1.2E-13	2.9E-12	1.6E-13	3.17628E-12	2.56E-09	5.8276E-06	8.32601E-07	4.04009E-12	4.8481E-13	2.01654E-12	8.06615E-14
678	571270.6	4178759	0.55, 41787	0.36933	0.38979	0.3568	133.93343	52.76944	163.09994	18.49966	10.32502	20.38749	1.19E-08	5.45E-06	6.81E-07	3.68E-12	1.11E-11	8.78E-12	1.12E-13	2.7E-12	1.49E-13	2.95923E-12	2.385E-09	5.4505E-06	6.81411E-07	3.76402E-12	4.51682E-13	1.87874E-12	7.51496E-14
679	571310.6	4178759	0.55, 41787	0.3411	0.36413	0.32902	131.1619	50.25063	168.23883	18.11843	9.56125	22.87944	1.1E-08	5.62E-06	7.65E-07	3.39E-12	1.02E-11	8.09E-12	1.03E-13	2.49E-12	1.37E-13	2.72884E-12	2.199E-09	5.6222E-06	7.64676E-07	3.47097E-12	4.16516E-13	1.73247E-12	6.92988E-14
680	571350.6	4178759	0.55, 41787	0.31543	0.34037	0.30452	103.20737	47.94128	136.71003	14.62528	9.08266	18.8743	1.02E-08	4.57E-06	6.31E-07	3.14E-12	9.48E-12	7.49E-12	9.53E-14	2.3E-12	1.27E-13	2.52565E-12	2.036E-09	4.5686E-06	6.30813E-07	3.21251E-12	3.85502E-13	1.60347E-12	6.41387E-14
681	571390.6	4178759	0.55, 41787	0.29206	0.31801	0.28181	95.20975	46.26011	128.00267	11.90122	8.7596	16.00033	9.42E-09	4.28E-06	5.35E-07	2.91E-12	8.78E-12	6.93E-12	8.82E-14	2.13E-12	1.18E-13	2.3373E-12	1.884E-09	4.2776E-06	5.34755E-07	2.97294E-12	3.56753E-13	1.48389E-12	5.93557E-14
682	571430.6	4178759	0.55, 41787	0.27184	0.29676	0.26169	65.82255	44.97926	77.28464	8.48847	8.42183	11.06277	8.75E-09	2.58E-06	3.7E-07	2.7E-12	8.15E-12	6.44E-12	8.19E-14	1.98E-12	1.09E-13	2.17043E-12	1.749E-09	2.5829E-06	3.69737E-07	2.76069E-12	3.31283E-13	1.37795E-12	5.5118E-14
683	571470.6	4178759	0.55, 41787	0.25781	0.27877	0.24855	74.19853	43.62462	66.74746	10.92817	7.8818	10.16339	8.31E-09	2.23E-06	3.4E-07	2.56E-12	7.74E-12	6.11E-12	7.78E-14	1.88E-12	1.04E-13	2.06144E-12	1.662E-09	2.2308E-06	3.39707E-07	2.62207E-12	3.14648E-13	1.30876E-12	5.23503E-14
684	571510.6	4178759	0.55, 41787	0.24715	0.26193	0.24035	102.14842	42.0514	116.58455	14.2101	7.23025	16.16505	8.03E-09	3.9E-06	5.4E-07	2.48E-12	7.49E-12	5.91E-12	7.53E-14	1.82E-12	1E-13	1.99342E-12	1.607E-09	3.8961E-06	5.40281E-07	2.53554E-12	3.04265E-13	1.26557E-12	5.06227E-14
685	571550.6	4178759	0.55, 41787	0.23772	0.24585	0.23427	104.82233	40.15762	128.89855	14.31586	6.66643	17.41071	7.83E-09	4.31E-06	5.82E-07	2.42E-12	7.3E-12	5.76E-12	7.34E-14	1.77E-12	9.78E-14	1.94297E-12	1.566E-09	4.3075E-06	5.81905E-07	2.47137E-12	2.96565E-13	1.23354E-12	4.93417E-14
686	571590.6	4178759	0.55, 41787	0.22808	0.23097	0.22747	83.60184	37.747	96.99907	11.46846	6.12919	13.15855	7.6E-09	3.24E-06	4.4E-07	2.35E-12	7.08E-12	5.6E-12	7.12E-14	1.72E-12	9.5E-14	1.88656E-12	1.521E-09	3.2416E-06	4.39794E-07	2.39962E-12	2.87954E-13	1.19773E-12	4.7909E-14
687	570310.6	4178799	0.55, 41787	0.10253	0.09048	0.09887	92.22772	37.68456	108.42661	11.52846	4.71057	13.55333	3.3E-09	3.62E-06	4.53E-07	1.02E-12	3.08E-12	2.43E-12	3.1E-14	7.48E-13	4.13E-14	8.19973E-13	6.609E-10	3.6234E-06	4.52986E-07	1.04297E-12	1.25156E-13	5.2058E-13	2.08232E-14
688	570350.6	4178799	0.55, 41787	0.11434	0.10195	0.11024	96.42289	41.82094	119.06345	12.05286	5.22762	14.88293	3.68E-09	3.98E-06	4.97E-07	1.14E-12	3.43E-12	2.71E-12	3.45E-14	8.34E-13	4.6E-14	9.14272E-13	7.369E-10	3.9789E-06	4.97419E-07	1.16291E-12	1.3955E-13	5.80448E-13	2.32179E-14
689	570390.6	4178799	0.55, 41787	0.12785	0.11532	0.12365	96.70849	44.28794	121.57528	12.08856	5.83168	15.19691	4.13E-09	4.06E-06	5.08E-07	1.28E-12	3.85E-12	3.04E-12	3.87E-14	9.35E-13	5.16E-14	1.02549E-12	8.266E-10	4.0629E-06	5.07911E-07	1.30438E-12	1.56525E-13	6.51057E-13	2.60423E-14
690	570430.6	4178799	0.55, 41787	0.14288	0.13064	0.13911	109.4746	48.39009	132.26529	13.83026	6.97525	16.53316	4.65E-09	4.42E-06	5.53E-07	1.43E-12	4.33E-12	3.42E-12	4.36E-14	1.05E-12	5.81E-14	1.15371E-12	9.299E-10	4.4201E-06	5.52577E-07	1.46747E-12	1.76096E-13	7.3246E-13	2.92984E-14
691	570470.6	4178799	0.55, 41787	0.15993	0.14857	0.15692	116.3647	50.80214	153.38363	16.31235	7.92735	19.17295	5.24E-09	5.13E-06	6.41E-07	1.62E-12	4.89E-12	3.86E-12	4.91E-14	1.19E-12	6.55E-14	1.30142E-12	1.049E-09	5.1258E-06	6.40808E-07	1.65535E-12	1.98642E-13	8.26237E-13	3.30495E-14
692	570510.6	4178799	0.55, 41787	0.17816	0.16871	0.17591	124.77861	52.11481	162.22151	17.82552	8.49382	23.1745	5.88E-09	5.42E-06	7.75E-07	1.81E-12	5.48E-12	4.33E-12	5.51E-14	1.33E-12	7.34E-14	1.45892E-12	1.176E-09	5.4211E-06	7.74532E-07	1.85568E-12	2.22681E-13	9.26228E-13	3.70491E-14
693	570550.6	4178799	0.55, 41787	0.19752	0.19131	0.19507	126.89522	56.18657	175.78093	18.12789	8.51005	24.21863	6.52E-09	5.87E-06	8.09E-07	2.01E-12	6.07E-12	4.8E-12	6.11E-14	1.48E-12	8.14E-14	1.61783E-12	1.304E-09	5.8742E-06	8.09424E-07	2.05781E-12	2.46937E-13	1.02712E-12	4.10847E-14
694	570590.6	4178799	0.55, 41787	0.21773	0.21627	0.21308	122.68072	62.5324	158.46837	17.14296	9.80776	21.67538	7.12E-09	5.3E-06	7.24E-07	2.2E-12	6.64E-12	5.24E-12	6.67E-14	1.61E-12	8.9E-14	1.76721E-12	1.424E-09	5.2958E-06	7.24433E-07	2.24782E-12	2.69738E-13	1.12196E-12	4.48783E-14
695	570630.6	4178799	0.55, 41787	0.23771	0.24268	0.22932	133.9153	64.36556	188.20796	18.95021	10.72759	26.70167	7.66E-09	6.29E-06	8.92E-07	2.37E-12	7.14E-12	5.64E-12	7.18E-14	1.73E-12	9.57E-14	1.90192E-12	1.533E-09	6.2896E-06	8.92402E-07	2.41916E-12	2.90299E-13	1.20748E-12	4.82992E-14
696	570670.6	4178799	0.55, 41787	0.25595	0.26895	0.24514	141.94782	63.09907	182.20008	19.13844	10.57117	23.96944	8.19E-09	6.09E-06	8.01E-07	2.53E-12	7.63E-12	6.03E-12	7.68E-14	1.85E-12	1.02E-13	2.03315E-12	1.639E-09	6.0888E-06	8.01107E-07	2.58608E-12	3.10329E-13	1.29079E-12	5.16317E-14
697	570710.6	4178799	0.55, 41787	0.27273	0.29382	0.2595	157.12572	66.69563	192.86918	19.64072	11.93189	24.10865	8.67E-09	6.45E-06	8.06E-07	2.68E-12	8.08E-12	6.38E-12	8.13E-14	1.96E-12	1.08E-13	2.15227E-12	1.735E-09	6.4454E-06	8.05763E-07	2.73759E-12	3.28511E-13	1.36642E-12	5.46567E-14
698	570750.6	4178799	0.55, 41787	0.29355	0.31916	0.26739	152.65771	72.44297	180.42039	19.08221	15.18472	22.55534	8.94E-09	6.03E-06	7.54E-07	2.76E-12	8.33E-12	6.58E-12	8.37E-14	2.02E-12	1.12E-13	2.21774E-12	1.788E-09	6.0294E-06	7.53855E-07	2.82087E-12	3.38505E-13	1.40799E-12	5.63195E-14
699	570790.6	4178799	0.55, 41787	0.31688	0.34759	0.27611	157.73005	72.26845	195.86787	20.13646	16.34526	24.48348	9.23E-09	6.55E-06	8.18E-07	2.85E-12	8.6E-12	6.79E-12	8.65E-14	2.09E-12	1.15E-13	2.29011E-12	1.846E-09	6.5456E-06	8.18293E-07	2.91292E-12	3.4955E-13	1.45393E-12	5.81572E-14
700	570830.6	4178799	0.55, 41787	0.33524	0.37796	0.31984	162.23746	94.66133	234.71664	21.09567	14.73083	29.33958	1.07E-08	7.84E-06	9.81E-07	3.3E-12	9.96E-12	7.87E-12	1E-13	2.42E-12	1.34E-13	2.65275E-12	2.138E-09	7.8439E-06	9.80567E-07	3.37419E-12	4.04902E-13	1.68416E-12	6.73666E-14
701	570870.6	4178799	0.55, 41787	0.35595	0.40358	0.35265	158.80625	107.46352	263.60655	19.85078	16.70272	32.95082	1.18E-08	8.81E-06	1.1E-06	3.64E-12	1.1E-11	8.68E-12	1.1E-13	2.67E-12	1.47E-13	2.92485E-12	2.357E-09	8.8094E-06	1.10122E-06	3.72028E-12	4.46434E-13	1.85691E-12	7.42764E-14
702	570910.6	4178799	0.55, 41787	0.3676	0.41723	0.32417	150.41188	96.98395	247.06251	18.80149	15.72408	30.88281	1.08E-08	8.26E-06	1.03E-06	3.34E-12	1.01E-11	7.97E-12	1.02E-13	2.45E-12	1.35E-13	2.68874E-12	2.167E-09	8.2565E-06	1.03211E-06	3.41996E-12	4.10396E-13	1.70701E-12	6.82805E-14
703	570950.6	4178799	0.55, 41787	0.34637	0.40141	0.30552	159.46188	87.41269	275.63404	19.93273	16.48069	34.45425	1.02E-08	9.21E-06	1.15E-06	3.15E-12	9.52E-12	7.52E-12	9.57E-14	2.31E-12	1.28E-13	2.53407E-12	2.042E-09	9.2111E-06	1.15146E-06	3.22323E-12	3.86787E-13	1.60882E-12	6.43527E-14
704	570990.6	4178799	0.55, 41787	0.35579	0.40756	0.32647	119.48057	79.68844	146.33228	17.5796	14.60553	25.33485	1.09E-08	4.89E-06	8.47E-07	3.37E-12	1.02E-11	8.03E-12	1.02E-13	2.47E-12	1.36E-13	2.70779E-12	2.183E-09	4.8904E-06	8.46717E-07	3.44419E-12	4.13303E-13	1.71911E-12	6.87642E-14
705	571030.6	4178799	0.55, 41787	0.37225	0.416	0.35619	155.14917	72.93395	196.55996	24.86673	12.948	30.87431	1.19E-08	6.57E-06	1.03E-06	3.67E-12	1.11E-11	8.76E-12	1.12E-13	2.69E-12	1.49E-13	2.95423E-12	2.381E-09	6.5687E-06	1.03188E-06	3.75765E-12	4.50918E-13	1.87556E-12	7.50226E-14
706	571070.6	4178799	0.55, 41787	0.3594	0.40135	0.34666	158.59146	67.81733	220.83512	22.65592	11.74555	33.70367	1.16E-08	7.38E-06	1.13E-06	3.58E-12	1.08E-11	8.53E-12	1.09E-13	2.62E-12	1.45E-13	2.87518E-12	2.317E-09	7.3798E-06	1.12641E-06	3.6571E-12	4.38853E-13	1.82538E-12	7.30151E-14
707	571110.6	4178799	0.55, 41787	0.34191	0.38638	0.31575	133.9595	62.41991	198.12185	16.74494	10.40332	24.76523	1.06E-08	6.62E-06	8.28E-07	3.26E-12	9.83E-12	7.77E-12	9.89E-14	2.39E-12	1.32E-13	2.61886E-12	2.111E-09	6.6208E-06	8.27676E-07	3.33108E-12	3.99729E-13	1.66265E-12	6.65059E-14
708	571150.6	4178799	0.55, 41787	0.32926	0.37153	0.29721	140.52662	58.47073	122.49716	17.56829	9.74512	16.40698	9.93E-09	4.09E-06	5.48E-07	3.07E-12	9.26E-12	7.31E-12	9.31E-14	2.25E-12	1.24E-13	2.4651E-12	1.987E-09	4.0938E-06	5.48395E-07	3.13551E-12	3.76261E-13	1.56503E-12	6.26013E-14
709	571190.6	4178799	0.55, 41787	0.32393	0.35615	0.30055	162.80337	55.99612	201.90064	20.37225	9.46414	25.23758	1E-08	6.75E-06	8.43E-07	3.1E-12	9.36E-12	7.39E-12	9.41E-14	2.27E-12	1.25E-13	2.49277E-12	2.009E-09	6.7471E-06	8.43493E-07	3.17069E-12	3.80483E-13	1.58259E-12	6.33037E-14
710	571230.6	4178799	0.55, 41787	0.31732	0.33876	0.30501	141.0743	54.42569	191.70239	17.72831	9.52966	23.96639	1.02E-08	6.41E-06	8.01E-07	3.15E-12	9.5E-12	7.5E-12	9.55E-14	2.31E-12	1.27E-13	2.52971E-12	2.039E-09	6.4063E-06	8.00992E-07	3.21768E-12	3.86121E-13	1.60605E-12	6.42419E-14
711	571270.6	4178799	0.55, 41787	0.30415	0.32027	0.29829	116.54381	51.24633	144.90939	16.64912	9.13765	20.70134	9.97E-09	4.84E-06	6.92E-07	3.08E-12	9.29E-12	7.34E-12	9.34E-14	2.26E-12	1.25E-13	2.47395E-12	1.994E-09	4.8426E-06	6.91882E-07	3.14676E-12	3.77611E-13	1.57065E-12	6.28259E-14
712	571310.6	4178799	0.55, 41787	0.28608	0.30211	0.28212	111.77517	48.08718	136.31939	15.28029	8.60329	17.73191	9.43E-09	4.56E-06	5.93E-07	2.91E-12	8.79E-12	6.94E-12	8.83E-14	2.13E-12	1.18E-13	2.33984E-12	1.886E-09	4.5556E-06	5.92646E-07	2.97617E-12	3.57141E-13	1.4855E-12	5.94201E-14
713	571350.6	4178799	0.55, 41787	0.26522	0.28423	0.2608	116.94553	46.1941	139.01017	15.97517	8.23917	19.97796	8.72E-09	4.65E-06	6.68E-07	2.69E-12	8.12E-12	6.42E-12	8.17E-14	1.97E-12	1.09E-13	2.16302E-12	1.743E-09	4.6455E-06	6.67704E-07	2.75127E-12	3.30153E-13	1.37325E-12	5.49299E-14
714	571390.6	4178799	0.55, 41787	0.24309	0.26586	0.23735	101.64822	44.37475	130.479	13.96186	7.97488	17.70328	7.93E-09	4.36E-06	5.92E-07	2.45E-12	7.39E-12	5.84E-12	7.43E-14	1.8E-12	9.91E-14	1.96855E-12	1.587E-09	4.3604E-06	5.91678E-07	2.50391E-12	3.00469E-13	1.24978E-12	4.99913E-14
715	571430.6	4178799	0.55, 41787	0.22645	0.25105	0.21957	78.66707	42.96369	101.00422	10.22882	7.75525	13.14754	7.34E-09	3.38E-06	4.39E-07	2.26E-12	6.84E-12	5.4E-12	6.88E-14	1.66E-12	9.17E-14	1.8211E-12	1.468E-09	3.3755E-06	4.39415E-07	2.31635E-12	2.77963E-13	1.15617E-12	4.62467E-14
716	571470.6	4178799	0.55, 41787	0.21325	0.23694	0.20607	47.64153	41.84289	57.10773	7.70461	7.45296	10.06314	6.89E-09	1.91E-06	3.36E-07	2.13E-12	6.42E-12	5.07E-12	6.45E-14	1.56E-12	8.6E-14	1.70913E-12	1.378E-09	1.9086E-06	3.36327E-07	2.17394E-12	2.60873E-13	1.08508E-12	4.34033E-14
717	571510.6	4178799	0.55, 41787	0.20623	0.22585	0.19985	71.44774	40.73398	67.79843	10.29216	7.00806	9.90291	6.68E-09	2.27E-06	3.31E-07	2.06E-12	6.22E-12	4.92E-12	6.26E-14	1.51E-12	8.34E-14	1.65753E-12	1.336E-09	2.2659E-06	3.30997E-07	2.10831E-12	2.52997E-13	1.05233E-12	4.2093E-14
718	571550.6	4178799	0.55, 41787	0.19818	0.21228	0.19356	94.10249	39.35835	107.36049	13.01678	6.4744	14.79864	6.47E-09	3.59E-06	4.95E-07	2E-12	6.03E-12	4.76E-12	6.06E-14	1.46E-12	8.08E-14	1.60535E-12	1.294E-09	3.5878E-06	4.94611E-07	2.04194E-12	2.45033E-13	1.0192E-12	4.07679E-14
719	571590.6	4178799	0.55, 41787	0.19254	0.20073	0.18997	94.76849	37.66806	114.23818	12.95063	6.01952	15.50303	6.35E-09	3.82E-06	5.18E-07	1.96E-12	5.92E-12	4.67E-12	5.95E-14	1.44E-12	7.93E-14	1.57556E-12	1.27E-09	3.8176E-06	5.18148E-07	2.00405E-12	2.40485E-13	1.00028E-12	4.00113E-14
720	570310.6	4178839	0.55, 41788	0.10118	0.0904	0.098	86.93136	38.98232	105.93151	10.86642	4.87279	13.24144	3.28E-09	3.54E-06	4.43E-07	1.01E-12	3.05E-12	2.41E-12	3.07E-14	7.41E-13	4.09E-14	8.1276E-13	6.551E-10	3.5401E-06	4.42558E-07	1.0338E-12	1.24055E-13	5.16E-13	2.064E-14
721	570350.6	4178839	0.55, 41788	0.1118	0.10104	0.10874	92.10266	41.60712	103.12867	11.51283	5.43734	12.89108	3.63E-09	3.45E-06	4.31E-07	1.12E-12	3.39E-12	2.67E-12	3.4E-14	8.22E-13	4.54E-14	9.01833E-13	7.269E-10	3.4464E-06	4.30857E-07	1.14709E-12	1.37651E-13	5.7255E-13	2.2902E-14
722	570390.6	4178839	0.55, 41788	0.12335	0.11299	0.12071	101.58992	44.39945	123.8041	13.097	6.32134	15.47551	4.03E-09	4.14E-06	5.17E-07	1.24E-12	3.76E-12	2.97E-12	3.78E-14	9.13E-13	5.04E-14	1.00111E-12	8.069E-10	4.1373E-06	5.1723E-07	1.27337E-12	1.52804E-13	6.35577E-13	2.54231E-14
723	570430.6	4178839	0.55, 41788	0.13612	0.12663	0.1341	105.75261	46.22171	135.82058	15.10752	6.99394	17.72822	4.48E-09	4.54E-06	5.93E-07	1.38E-12	4.18E-12	3.3E-12	4.2E-14	1.01E-12	5.6E-14	1.11216E-12	8.964E-10	4.5389E-06	5.92522E-07	1.41462E-12	1.69754E-13	7.06081E-13	2.82432E-14
724	570470.6	4178839	0.55, 41788	0.14941	0.1416	0.14777	113.55911	47.52324	144.14907	16.22273	7.30549	20.59272	4.94E-09	4.82E-06	6.88E-07	1.52E-12	4.6E-12	3.63E-12	4.63E-14	1.12E-12	6.17E-14	1.22554E-12	9.878E-10	4.8172E-06	6.88248E-07	1.55883E-12	1.87059E-13	7.78061E-13	3.11224E-14
725	570510.6	4178839	0.55, 41788	0.16314	0.158	0.16129	114.44641	50.69094	152.51274	16.21485	7.16417	20.85712	5.39E-09	5.1E-06	6.97E-07	1.66E-12	5.02E-12	3.97E-12	5.05E-14	1.22E-12	6.73E-14	1.33767E-12	1.078E-09	5.0967E-06	6.97083E-07	1.70146E-12	2.04175E-13	8.49253E-13	3.39701E-14
726	570550.6	4178839	0.55, 41788	0.17704	0.17576	0.1737	109.2842	56.30775	135.99936	15.45924	8.75778	18.63755	5.81E-09	4.54E-06	6.23E-07	1.79E-12	5.41E-12	4.27E-12	5.44E-14	1.31E-12	7.25E-14	1.44061E-12	1.161E-09	4.5449E-06	6.2291E-07	1.83239E-12	2.19887E-13	9.14604E-13	3.65841E-14
727	570590.6	4178839	0.55, 41788	0.1907	0.19445	0.18485	121.04262	57.73789	162.59872	17.123	9.62298	23.05827	6.18E-09	5.43E-06	7.71E-07	1.91E-12	5.76E-12	4.55E-12	5.79E-14	1.4E-12	7.72E-14	1.5331E-12	1.236E-09	5.4338E-06	7.70642E-07	1.95003E-12	2.34004E-13	9.73323E-13	3.89329E-14
728	570630.6	4178839	0.55, 41788	0.20316	0.21304	0.19546	125.84874	56.85617	163.76967	17.26057	9.47603	21.8341	6.53E-09	5.47E-06	7.3E-07	2.02E-12	6.09E-12	4.81E-12	6.12E-14	1.48E-12	8.16E-14	1.62111E-12	1.307E-09	5.4729E-06	7.29738E-07	2.06198E-12	2.47437E-13	1.0292E-12	4.1168E-14
729	570670.6	4178839	0.55, 41788	0.21386	0.23043	0.20601	138.80556	56.19819	167.35734	17.35069	9.51337	20.91967	6.89E-09	5.59E-06	6.99E-07	2.12E-12	6.42E-12	5.07E-12	6.45E-14	1.56E-12	8.6E-14	1.70862E-12	1.377E-09	5.5928E-06	6.99183E-07	2.17329E-12	2.60795E-13	1.08476E-12	4.33903E-14
730	570710.6	4178839	0.55, 41788	0.22462	0.24643	0.21368	139.69865	64.11019	158.44625	17.46233	11.64998	19.80578	7.14E-09	5.3E-06	6.62E-07	2.2E-12	6.65E-12	5.26E-12	6.69E-14	1.62E-12	8.92E-14	1.77225E-12	1.428E-09	5.2951E-06	6.61964E-07	2.25422E-12	2.70507E-13	1.12516E-12	4.50062E-14
731	570750.6	4178839	0.55, 41788	0.23931	0.26333	0.21642	129.30344	65.03758	176.13066	16.25667	13.35444	22.02002	7.23E-09	5.89E-06	7.36E-07	2.23E-12	6.74E-12	5.32E-12	6.78E-14	1.64E-12	9.04E-14	1.79501E-12	1.447E-09	5.886E-06	7.35941E-07	2.28317E-12	2.7398E-13	1.1396E-12	4.55841E-14
732	570790.6	4178839	0.55, 41788	0.2546	0.28325	0.22784	148.04332	66.52984	161.44916	18.88746	13.10425	20.18115	7.62E-09	5.4E-06	6.75E-07	2.35E-12	7.1E-12	5.61E-12	7.13E-14	1.72E-12	9.51E-14	1.88974E-12	1.523E-09	5.3955E-06	6.7452E-07	2.40366E-12	2.8844E-13	1.19975E-12	4.79898E-14
733	570830.6	4178839	0.55, 41788	0.26766	0.30497	0.26524	136.3658	90.38201	203.70222	17.19519	14.05196	26.51864	8.87E-09	6.81E-06	8.86E-07	2.74E-12	8.26E-12	6.52E-12	8.31E-14	2.01E-12	1.11E-13	2.19988E-12	1.773E-09	6.8075E-06	8.8627E-07	2.79815E-12	3.35778E-13	1.39665E-12	5.58659E-14
734	570870.6	4178839	0.55, 41788	0.28248	0.32215	0.27934	145.76117	97.26265	213.43334	18.22015	15.13016	26.67917	9.34E-09	7.13E-06	8.92E-07	2.88E-12	8.7E-12	6.87E-12	8.75E-14	2.11E-12	1.17E-13	2.31683E-12	1.867E-09	7.1327E-06	8.91643E-07	2.9469E-12	3.53628E-13	1.47089E-12	5.88358E-14
735	570910.6	4178839	0.55, 41788	0.28799	0.33135	0.25629	130.6935	87.1686	210.24612	16.33669	13.50967	26.28077	8.57E-09	7.03E-06	8.78E-07	2.64E-12	7.98E-12	6.31E-12	8.03E-14	1.94E-12	1.07E-13	2.12573E-12	1.713E-09	7.0261E-06	8.78314E-07	2.70384E-12	3.24461E-13	1.34957E-12	5.39829E-14
736	570950.6	4178839	0.55, 41788	0.28758	0.33724	0.25781	143.26415	81.64199	232.33178	17.90802	13.93242	29.04147	8.62E-09	7.76E-06	9.71E-07	2.66E-12	8.03E-12	6.34E-12	8.07E-14	1.95E-12	1.08E-13	2.13835E-12	1.724E-09	7.7641E-06	9.70576E-07	2.71988E-12	3.26386E-13	1.35758E-12	5.43032E-14
737	570990.6	4178839	0.55, 41788	0.28844	0.33412	0.27084	115.42228	74.82901	134.90402	15.11344	13.01217	21.06919	9.05E-09	4.51E-06	7.04E-07	2.79E-12	8.43E-12	6.66E-12	8.48E-14	2.05E-12	1.13E-13	2.24638E-12	1.811E-09	4.5085E-06	7.04159E-07	2.85729E-12	3.42875E-13	1.42617E-12	5.70467E-14
738	571030.6	4178839	0.55, 41788	0.29049	0.32848	0.28015	122.60648	67.85889	167.69329	20.43441	11.21527	20.96166	9.36E-09	5.6E-06	7.01E-07	2.89E-12	8.72E-12	6.89E-12	8.77E-14	2.12E-12	1.17E-13	2.32356E-12	1.873E-09	5.6041E-06	7.00615E-07	2.95546E-12	3.54656E-13	1.47517E-12	5.90067E-14
739	571070.6	4178839	0.55, 41788	0.28682	0.32211	0.27916	145.80556	62.69899	194.95005	22.09774	10.44682	32.49167	9.33E-09	6.51E-06	1.09E-06	2.88E-12	8.69E-12	6.87E-12	8.74E-14	2.11E-12	1.17E-13	2.31534E-12	1.866E-09	6.5148E-06	1.0859E-06	2.94501E-12	3.53401E-13	1.46995E-12	5.87979E-14
740	571110.6	4178839	0.55, 41788	0.272	0.3104	0.2597	131.09883	59.8466	180.45962	17.36249	9.97443	23.15348	8.68E-09	6.03E-06	7.74E-07	2.68E-12	8.09E-12	6.39E-12	8.13E-14	1.96E-12	1.08E-13	2.15396E-12	1.736E-09	6.0306E-06	7.73826E-07	2.73974E-12	3.28769E-13	1.36749E-12	5.46997E-14
741	571150.6	4178839	0.55, 41788	0.26	0.30055	0.24148	99.99815	55.57889	134.60776	12.49977	9.26315	16.82597	8.07E-09	4.5E-06	5.62E-07	2.49E-12	7.52E-12	5.94E-12	7.56E-14	1.83E-12	1.01E-13	2.00287E-12	1.614E-09	4.4984E-06	5.62349E-07	2.54756E-12	3.05707E-13	1.27157E-12	5.08628E-14
742	571190.6	4178839	0.55, 41788	0.2552	0.29099	0.23588	127.82601	53.11626	132.48794	15.97966	8.85271	16.56099	7.88E-09	4.43E-06	5.54E-07	2.43E-12	7.35E-12	5.8E-12	7.39E-14	1.78E-12	9.85E-14	1.95642E-12	1.577E-09	4.4276E-06	5.53527E-07	2.48848E-12	2.98617E-13	1.24208E-12	4.96831E-14
743	571230.6	4178839	0.55, 41788	0.25406	0.28009	0.23929	144.46225	51.51588	176.21864	18.06666	8.58598	22.02733	8E-09	5.89E-06	7.36E-07	2.47E-12	7.45E-12	5.89E-12	7.49E-14	1.81E-12	9.99E-14	1.98467E-12	1.6E-09	5.8889E-06	7.36202E-07	2.52441E-12	3.02929E-13	1.26001E-12	5.04005E-14
744	571270.6	4178839	0.55, 41788	0.2507	0.26766	0.24251	121.82335	49.56018	161.92313	15.26733	8.26003	20.24326	8.11E-09	5.41E-06	6.77E-07	2.5E-12	7.55E-12	5.97E-12	7.59E-14	1.83E-12	1.01E-13	2.01134E-12	1.621E-09	5.4111E-06	6.76562E-07	2.55834E-12	3.07E-13	1.27695E-12	5.10779E-14
745	571310.6	4178839	0.55, 41788	0.24184	0.25433	0.23951	103.21026	44.65355	122.05645	14.74432	7.58702	17.43664	8.01E-09	4.08E-06	5.83E-07	2.47E-12	7.46E-12	5.89E-12	7.5E-14	1.81E-12	1E-13	1.98643E-12	1.601E-09	4.0789E-06	5.82775E-07	2.52666E-12	3.03199E-13	1.26114E-12	5.04455E-14
746	571350.6	4178839	0.55, 41788	0.22797	0.24079	0.22797	99.0464	44.12829	113.73434	14.35742	7.39344	18.63488	7.62E-09	3.8E-06	6.23E-07	2.35E-12	7.1E-12	5.61E-12	7.14E-14	1.72E-12	9.52E-14	1.89072E-12	1.524E-09	3.8009E-06	6.2281E-07	2.40492E-12	2.8859E-13	1.20037E-12	4.80148E-14
747	571390.6	4178839	0.55, 41788	0.21103	0.22733	0.21036	102.76287	42.76623	112.22851	13.91866	7.25999	15.15441	7.03E-09	3.75E-06	5.07E-07	2.17E-12	6.55E-12	5.17E-12	6.59E-14	1.59E-12	8.78E-14	1.74468E-12	1.406E-09	3.7505E-06	5.06508E-07	2.21916E-12	2.66299E-13	1.10765E-12	4.43061E-14
748	571430.6	4178839	0.55, 41788	0.19469	0.21494	0.19186	96.70075	41.37793	118.14409	13.13698	7.12068	15.87157	6.41E-09	3.95E-06	5.3E-07	1.98E-12	5.98E-12	4.72E-12	6.01E-14	1.45E-12	8.01E-14	1.59126E-12	1.283E-09	3.9482E-06	5.30464E-07	2.02402E-12	2.42882E-13	1.01025E-12	4.041E-14
749	571470.6	4178839	0.55, 41788	0.18137	0.20392	0.17665	77.02264	40.18933	97.95965	10.5662	6.94319	13.29535	5.9E-09	3.27E-06	4.44E-07	1.82E-12	5.5E-12	4.35E-12	5.53E-14	1.34E-12	7.38E-14	1.46512E-12	1.181E-09	3.2737E-06	4.44357E-07	1.86357E-12	2.23629E-13	9.3017E-13	3.72068E-14
750	571510.6	4178839	0.55, 41788	0.17253	0.19446	0.16733	52.60803	39.21497	67.39367	7.34906	6.67327	9.32595	5.59E-09	2.25E-06	3.12E-07	1.73E-12	5.21E-12	4.12E-12	5.24E-14	1.27E-12	6.99E-14	1.38783E-12	1.119E-09	2.2523E-06	3.11691E-07	1.76526E-12	2.11831E-13	8.81096E-13	3.52438E-14
751	571550.6	4178839	0.55, 41788	0.16797	0.18619	0.16347	68.59481	38.25365	67.50423	9.65516	6.29212	9.48561	5.46E-09	2.26E-06	3.17E-07	1.69E-12	5.09E-12	4.02E-12	5.12E-14	1.24E-12	6.82E-14	1.3558E-12	1.093E-09	2.256E-06	3.17047E-07	1.72453E-12	2.06943E-13	8.60766E-13	3.44306E-14
752	571590.6	4178839	0.55, 41788	0.16271	0.17607	0.15959	86.9293	37.04871	99.01478	11.93163	5.86384	13.49632	5.33E-09	3.31E-06	4.51E-07	1.65E-12	4.97E-12	3.93E-12	5E-14	1.21E-12	6.66E-14	1.32361E-12	1.067E-09	3.3089E-06	4.51085E-07	1.68358E-12	2.02029E-13	8.40328E-13	3.36131E-14
753	570839.2	4178446	9.17, 41784	74.46739	6.86955	3.72049	1115.31188	246.53605	1658.95445	545.24687	92.47095	232.89196	1.24E-07	5.54E-05	7.79E-06	3.84E-11	1.16E-10	9.16E-11	1.17E-12	2.82E-11	1.55E-12	3.0879E-11	2.489E-08	5.5437E-05	7.78701E-06	3.92768E-11	4.71322E-12	1.96043E-11	7.84173E-13
754	570839.2	4178486	9.17, 41784	72.70489	8.35312	4.22209	2611.28562	240.43522	1473.87155	1286.82968	90.10385	245.64526	1.41E-07	4.93E-05	8.22E-06	4.36E-11	1.32E-10	1.04E-10	1.32E-12	3.2E-11	1.76E-12	3.50406E-11	2.824E-08	4.9253E-05	8.21996E-06	4.45701E-11	5.34842E-12	2.22464E-11	8.89855E-13
755	570879.2	4178406	9.17, 41784	9.26791	12.09581	2.86973	654.37651	281.54322	1652.24347	174.87233	99.71055	250.6883	9.6E-08	5.52E-05	8.38E-06	2.96E-11	8.94E-11	7.07E-11	8.99E-13	2.17E-11	1.2E-12	2.38208E-11	1.92E-08	5.5212E-05	8.37828E-06	3.0299E-11	3.63588E-12	1.51232E-11	6.04928E-13
756	570879.2	4178446	9.17, 41784	110.98197	13.33715	11.62742	3333.88644	260.53475	3586.87714	1717.50318	91.01179	770.8732	3.89E-07	0.00012	2.58E-05	1.2E-10	3.62E-10	2.86E-10	3.64E-12	8.8E-11	4.86E-12	9.64597E-11	7.775E-08	0.00011986	2.57742E-05	1.22693E-10	1.47231E-11	6.12398E-11	2.44959E-12
757	570879.2	4178486	9.17, 41784	18.42358	13.79846	20.70311	473.0449	246.35325	4578.74855	141.68031	100.88031	655.29094	6.92E-07	0.000153	2.19E-05	2.14E-10	6.45E-10	5.09E-10	6.48E-12	1.57E-10	8.64E-12	1.71689E-10	1.384E-07	0.000153	2.18976E-05	2.18381E-10	2.62057E-11	1.09001E-10	4.36004E-12
758	570879.2	4178526	9.17, 41785	94.91809	17.71904	9.02777	3340.71117	271.69492	2014.80922	1490.9797	113.49448	441.47053	3.02E-07	6.73E-05	1.48E-05	9.32E-11	2.81E-10	2.22E-10	2.83E-12	6.83E-11	3.77E-12	7.49104E-11	6.038E-08	6.733E-05	1.47653E-05	9.52828E-11	1.14339E-11	4.75587E-11	1.90235E-12
759	570879.2	4178566	9.17, 41785	6.34056	7.84517	3.48916	517.57011	248.69096	1100.96831	138.67192	92.32789	171.27972	1.17E-07	3.68E-05	5.72E-06	3.6E-11	1.09E-10	8.59E-11	1.09E-12	2.64E-11	1.46E-12	2.89473E-11	2.333E-08	3.6791E-05	5.72453E-06	3.68197E-11	4.41837E-12	1.83779E-11	7.35116E-13
760	570919.2	4178366	9.17, 41783	2.36921	8.89638	1.45024	279.82249	231.14799	970.86833	50.20448	85.64726	145.20587	4.85E-08	3.24E-05	4.85E-06	1.5E-11	4.52E-11	3.57E-11	4.55E-13	1.1E-11	6.06E-13	1.20432E-11	9.707E-09	3.2443E-05	4.85247E-06	1.53184E-11	1.83821E-12	7.6459E-12	3.05836E-13
761	570919.2	4178406	9.17, 41784	7.16288	18.51893	2.95623	387.12304	281.06153	1814.51514	102.95605	123.97591	301.78328	9.89E-08	6.06E-05	1.01E-05	3.05E-11	9.22E-11	7.28E-11	9.27E-13	2.24E-11	1.24E-12	2.45506E-11	1.979E-08	6.0634E-05	1.00849E-05	3.12273E-11	3.74728E-12	1.55866E-11	6.23463E-13
762	570919.2	4178446	9.17, 41784	30.90779	15.96768	15.85005	761.46723	266.85593	6280.62092	290.35951	97.37786	1155.63511	5.3E-07	0.00021	3.86E-05	1.63E-10	4.94E-10	3.9E-10	4.96E-12	1.2E-10	6.62E-12	1.31458E-10	1.06E-07	0.00020987	3.86179E-05	1.67209E-10	2.00651E-11	8.34593E-11	3.33837E-12
763	570919.2	4178486	9.17, 41784	29.57453	18.16179	468.02027	992.62163	281.14129	31654.24271	425.98322	121.6397	9353.86757	1.56E-05	0.001058	0.000313	4.83E-09	1.46E-08	1.15E-08	1.46E-10	3.54E-09	1.95E-10	3.88056E-09	3.128E-06	0.00105772	0.000312561	4.9359E-09	5.92308E-10	2.46367E-09	9.85467E-11
764	570919.2	4178526	9.17, 41785	19.47257	21.77306	15.13476	427.44744	357.8357	3633.422	126.47105	151.21701	760.0028	5.06E-07	0.000121	2.54E-05	1.56E-10	4.71E-10	3.72E-10	4.74E-12	1.14E-10	6.32E-12	1.25536E-10	1.012E-07	0.00012141	2.53964E-05	1.59677E-10	1.91612E-11	7.96999E-11	3.18799E-12
765	570919.2	4178566	9.17, 41785	68.70701	17.81326	4.44491	3547.24462	326.79695	1605.72558	1121.59815	123.62419	257.53275	1.49E-07	5.37E-05	8.62E-06	4.59E-11	1.39E-10	1.09E-10	1.39E-12	3.37E-11	1.86E-12	3.69065E-11	2.975E-08	5.3661E-05	8.61566E-06	4.69435E-11	5.63322E-12	2.3431E-11	9.3724E-13
766	570959.2	4178326	9.17, 41783	2.08146	12.83514	1.34475	279.67021	252.56813	633.18912	42.32993	97.81035	79.64117	4.5E-08	2.12E-05	2.66E-06	1.39E-11	4.2E-11	3.32E-11	4.22E-13	1.02E-11	5.63E-13	1.11765E-11	9.008E-09	2.116E-05	2.66157E-06	1.4216E-11	1.70592E-12	7.09568E-12	2.83827E-13
767	570959.2	4178366	9.17, 41783	2.97969	11.80225	1.85212	241.09871	252.07126	954.07883	42.48046	78.75938	136.29698	6.2E-08	3.19E-05	4.55E-06	1.91E-11	5.78E-11	4.56E-11	5.81E-13	1.4E-11	7.74E-13	1.53814E-11	1.24E-08	3.1883E-05	4.55471E-06	1.95645E-11	2.34773E-12	9.76524E-12	3.9061E-13
768	570959.2	4178406	9.17, 41784	5.48321	18.00699	4.34111	312.89849	292.26242	1429.75284	67.10795	111.57482	238.11199	1.45E-07	4.78E-05	7.96E-06	4.48E-11	1.35E-10	1.07E-10	1.36E-12	3.29E-11	1.81E-12	3.60317E-11	2.904E-08	4.7777E-05	7.95705E-06	4.58308E-11	5.49969E-12	2.28756E-11	9.15024E-13
769	570959.2	4178446	9.17, 41784	13.2141	15.9724	27.93872	471.07205	258.82785	2485.7483	129.31081	100.45092	486.63208	9.34E-07	8.31E-05	1.63E-05	2.88E-10	8.7E-10	6.87E-10	8.75E-12	2.11E-10	1.17E-11	2.31685E-10	1.867E-07	8.3063E-05	1.62618E-05	2.94693E-10	3.53632E-11	1.47091E-10	5.88364E-12
770	570959.2	4178486	9.17, 41784	61.20406	15.71053	62.85492	1330.20017	250.50131	2800.83581	539.4281	101.77571	895.66291	2.1E-06	9.36E-05	2.99E-05	6.48E-10	1.96E-09	1.55E-09	1.97E-11	4.75E-10	2.62E-11	5.21198E-10	4.201E-07	9.3592E-05	2.99332E-05	6.62941E-10	7.95529E-11	3.30895E-10	1.32358E-11
771	570959.2	4178526	9.17, 41785	233.18259	14.04006	12.98457	3491.90215	258.73899	2789.84609	1687.05022	110.68808	397.86928	4.34E-07	9.32E-05	1.33E-05	1.34E-10	4.05E-10	3.2E-10	4.07E-12	9.83E-11	5.42E-12	1.07742E-10	8.684E-08	9.3227E-05	1.33102E-05	1.37043E-10	1.64452E-11	6.84026E-11	2.7361E-12
772	570999.2	4178286	9.17, 41782	4.82709	7.01905	1.81527	541.05323	230.67805	782.52024	117.6944	82.70868	130.42004	6.07E-08	2.62E-05	4.36E-06	1.87E-11	5.66E-11	4.47E-11	5.69E-13	1.37E-11	7.58E-13	1.50665E-11	1.214E-08	2.615E-05	4.35902E-06	1.91639E-11	2.29967E-12	9.56533E-12	3.82613E-13

773	570999.2	4178326	9.17, 41783	3.49216	17.23511	2.06149	334.8047	281.26172	702.77079	73.88295	121.01705	110.07877	6.9E-08	2.35E-05	3.68E-06	2.13E-11	6.43E-11	5.08E-11	6.47E-13	1.56E-11	8.62E-13	1.71286E-11	1.381E-08	2.3485E-05	3.67893E-06	2.17868E-11	2.61442E-12	1.08745E-11	4.3498E-13
774	570999.2	4178366	9.17, 41783	3.49499	15.86199	2.88936	258.09779	262.50756	719.40934	51.99585	99.38677	89.92617	9.67E-08	2.4E-05	3.01E-06	2.98E-11	9.01E-11	7.12E-11	9.06E-13	2.19E-11	1.21E-12	2.39899E-11	1.934E-08	2.4041E-05	3.00533E-06	3.05141E-11	3.6617E-12	1.52306E-11	6.09223E-13
775	570999.2	4178406	9.17, 41784	4.67229	14.08019	6.50261	269.25985	258.20089	888.73579	48.54927	90.52886	138.83889	2.17E-07	2.97E-05	4.64E-06	6.71E-11	2.03E-10	1.6E-10	2.04E-12	4.92E-11	2.72E-12	5.39452E-11	4.348E-08	2.9699E-05	4.6397E-06	6.8616E-11	8.23392E-12	3.42484E-11	1.36994E-12
776	570999.2	4178446	9.17, 41784	8.21208	17.59623	13.45709	365.10896	254.50285	1091.31402	80.87758	113.65243	185.77432	4.5E-07	3.65E-05	6.21E-06	1.39E-10	4.19E-10	3.31E-10	4.21E-12	1.02E-10	5.62E-12	1.11615E-10	8.996E-08	3.6468E-05	6.20833E-06	1.4197E-10	1.70364E-11	7.08616E-11	2.83446E-12
777	570999.2	4178486	9.17, 41784	18.06608	14.21786	20.31738	585.19163	263.25351	1140.06137	156.20535	101.07997	297.24229	6.79E-07	3.81E-05	9.93E-06	2.1E-10	6.33E-10	5E-10	6.36E-12	1.54E-10	8.48E-12	1.68492E-10	1.358E-07	3.8098E-05	9.93369E-06	2.14314E-10	2.57177E-11	1.06971E-10	4.27884E-12
778	571039.2	4178246	9.17, 41782	16.91212	6.90765	2.82369	857.31055	271.11205	1316.76682	274.95229	93.64332	189.48612	9.44E-08	4.4E-05	6.33E-06	2.91E-11	8.8E-11	6.95E-11	8.85E-13	2.14E-11	1.18E-12	2.34302E-11	1.889E-08	4.4002E-05	6.33414E-06	2.98022E-11	3.57626E-12	1.48752E-11	5.95009E-13
779	571039.2	4178286	9.17, 41782	28.85834	15.10006	3.68614	1240.055	260.3069	1323.38037	549.80999	92.85324	215.01085	1.23E-07	4.42E-05	7.19E-06	3.81E-11	1.15E-10	9.08E-11	1.16E-12	2.79E-11	1.54E-12	3.06006E-11	2.466E-08	4.4224E-05	7.18956E-06	3.89226E-11	4.67071E-12	1.94275E-11	7.77101E-13
780	571039.2	4178326	9.17, 41783	6.67676	17.1171	4.10991	443.85334	276.43557	1246.54946	131.23026	111.87763	155.81868	1.37E-07	4.17E-05	5.21E-06	4.24E-11	1.28E-10	1.01E-10	1.29E-12	3.11E-11	1.72E-12	3.41132E-11	2.75E-08	4.1656E-05	5.20784E-06	4.33905E-11	5.20686E-12	2.16576E-11	8.66304E-13
781	571039.2	4178366	9.17, 41783	4.40971	16.57374	4.87433	310.01939	259.88486	992.68074	73.97776	106.04392	160.75052	1.63E-07	3.32E-05	5.37E-06	5.03E-11	1.52E-10	1.2E-10	1.53E-12	3.69E-11	2.04E-12	4.04496E-11	3.26E-08	3.3173E-05	5.37211E-06	5.14502E-11	6.17402E-12	2.56804E-11	1.02722E-12
782	571039.2	4178406	9.17, 41784	4.40492	15.47088	6.2465	249.62047	251.60574	625.26496	54.55389	95.67705	86.62547	2.09E-07	2.09E-05	2.9E-06	6.44E-11	1.95E-10	1.54E-10	1.96E-12	4.73E-11	2.61E-12	5.18245E-11	4.177E-08	2.0895E-05	2.89506E-06	6.59185E-11	7.91022E-12	3.2902E-11	1.31608E-12
783	571039.2	4178446	9.17, 41784	6.02235	17.33371	7.45895	271.18693	258.43077	565.95619	53.34538	113.33058	91.15286	2.49E-07	1.89E-05	3.05E-06	7.7E-11	2.32E-10	1.84E-10	2.34E-12	5.64E-11	3.11E-12	6.18815E-11	4.988E-08	1.8914E-05	3.04633E-06	7.87106E-11	9.44528E-12	3.9287E-11	1.57148E-12
784	571079.2	4178246	9.17, 41782	26.90238	12.76385	4.78342	686.22219	257.40547	1959.72628	294.80616	92.56412	417.67679	1.6E-07	6.55E-05	1.4E-05	4.94E-11	1.49E-10	1.18E-10	1.5E-12	3.62E-11	2E-12	3.96933E-11	3.199E-08	6.5486E-05	1.39592E-05	5.04881E-11	6.05857E-12	2.52002E-11	1.00801E-12
785	571079.2	4178286	9.17, 41782	49.90964	15.92317	13.80121	957.6563	283.49226	4117.74908	414.11972	108.09945	689.22522	4.61E-07	0.000138	2.3E-05	1.42E-10	4.3E-10	3.4E-10	4.32E-12	1.04E-10	5.76E-12	1.14475E-10	9.227E-08	0.0001376	2.3034E-05	1.45607E-10	1.74728E-11	7.2677E-11	2.90708E-12
786	571079.2	4178326	9.17, 41783	16.67986	14.36437	14.4793	793.60016	243.70787	3077.685	313.14105	91.11491	664.711	4.84E-07	0.000103	2.22E-05	1.49E-10	4.51E-10	3.56E-10	4.53E-12	1.1E-10	6.04E-12	1.20086E-10	9.679E-08	0.00010284	2.2214E-05	1.52744E-10	1.83293E-11	7.62395E-11	3.04958E-12
787	571079.2	4178366	9.17, 41783	6.18218	17.09307	7.0902	419.38901	255.0076	1488.27193	110.95083	108.56867	287.95219	2.37E-07	4.97E-05	9.62E-06	7.32E-11	2.21E-10	1.74E-10	2.22E-12	5.36E-11	2.96E-12	5.88236E-11	4.741E-08	4.9733E-05	9.62285E-06	7.48211E-11	8.97854E-12	3.73456E-11	1.49382E-12
788	571079.2	4178406	9.17, 41784	4.42977	14.91	5.35349	310.20505	209.99469	815.89349	72.09993	91.11305	117.58287	1.79E-07	2.73E-05	3.93E-06	5.52E-11	1.67E-10	1.32E-10	1.68E-12	4.05E-11	2.24E-12	4.44191E-11	3.58E-08	2.7265E-05	3.92966E-06	5.64992E-11	6.7799E-12	2.82006E-11	1.12802E-12
789	571119.2	4178286	9.17, 41782	25.0824	15.07438	138.00946	507.91812	256.39153	16734.57469	211.8106	106.96205	4271.60103	4.61E-06	0.000559	0.000143	1.42E-09	4.3E-09	3.39E-09	4.32E-11	1.04E-09	5.76E-11	1.14432E-09	9.223E-07	0.00055918	0.000142736	1.45553E-09	1.74663E-10	7.26499E-10	2.906E-11
790	571119.2	4178326	9.17, 41783	197.49067	14.51391	52.98238	3348.29445	230.6601	7805.71053	1622.72219	95.52079	2122.69744	1.77E-06	0.000261	7.09E-05	5.46E-10	1.65E-09	1.3E-09	1.66E-11	4.01E-10	2.21E-11	4.3937E-10	3.541E-07	0.00026083	7.09442E-05	5.5886E-10	6.70632E-11	2.78945E-10	1.11578E-11
791	571119.2	4178366	9.17, 41783	10.01384	12.46582	9.59129	630.48898	206.62645	2115.5821	198.58486	83.22549	424.70779	3.21E-07	7.07E-05	1.42E-05	9.89E-11	2.99E-10	2.36E-10	3E-12	7.25E-11	4E-12	7.95524E-11	6.412E-08	7.0694E-05	1.41933E-05	1.01187E-10	1.21425E-11	5.05058E-11	2.02023E-12
792	571159.2	4178326	9.17, 41783	219.15803	19.05137	35.48029	3124.9508	277.70648	3646.5914	1560.39264	128.55095	753.34584	1.19E-06	0.000122	2.52E-05	3.66E-10	1.1E-09	8.73E-10	1.11E-11	2.68E-10	1.48E-11	2.94269E-10	2.372E-07	0.00012185	2.51871E-05	3.74297E-10	4.49156E-11	1.86824E-10	7.47294E-12
793	570808.8	4178465	8.82, 41784	10.95844	3.34212	2.15804	1253.90468	193.66587	956.23037	302.59047	56.7134	159.37173	7.21E-08	3.2E-05	5.33E-06	2.23E-11	6.72E-11	5.31E-11	6.76E-13	1.63E-11	9.01E-13	1.79024E-11	1.443E-08	3.1955E-05	5.32813E-06	2.27711E-11	2.73253E-12	1.13658E-11	4.54631E-13
794	570823.9	4178530	3.91, 41785	3.05561	3.25593	2.40542	358.64643	197.99385	1108.94733	70.39413	63.38636	140.39269	8.04E-08	3.71E-05	4.69E-06	2.48E-11	7.49E-11	5.92E-11	7.53E-13	1.82E-11	1E-12	1.99515E-11	1.608E-08	3.7057E-05	4.69182E-06	2.53775E-11	3.0453E-12	1.26667E-11	5.06668E-13
795	570883.3	4178602	3.31, 41786	3.07425	4.49746	2.05933	479.66242	287.53386	914.81532	94.76169	103.00469	119.05382	6.89E-08	3.06E-05	3.98E-06	2.12E-11	6.42E-11	5.07E-11	6.45E-13	1.56E-11	8.6E-13	1.70845E-11	1.377E-08	3.0571E-05	3.97902E-06	2.17308E-11	2.60769E-12	1.08465E-11	4.33861E-13
796	571181.5	4178310	1.45, 41783	77.30582	13.12592	35.80897	2585.53888	242.23364	1672.90767	872.95261	114.20023	513.62427	1.2E-06	5.59E-05	1.72E-05	3.69E-10	1.12E-09	8.81E-10	1.12E-11	2.71E-10	1.49E-11	2.96949E-10	2.393E-07	5.5904E-05	1.71706E-05	3.77706E-10	4.53248E-11	1.88525E-10	7.54101E-12
797	571067.8	4178207	7.83, 41782	5.36607	4.9243	1.64986	895.65181	299.02694	904.65641	223.56067	96.05921	144.20823	5.52E-08	3.02E-05	4.82E-06	1.7E-11	5.14E-11	4.06E-11	5.17E-13	1.25E-11	6.89E-13	1.36909E-11	1.104E-08	3.0232E-05	4.82072E-06	1.74142E-11	2.0897E-12	8.69197E-12	3.47679E-13
798	570799.9	4178447	9.89, 41784	4.88888	2.78293	1.75814	732.83791	152.28075	768.58836	142.77112	52.0733	124.31973	5.88E-08	2.57E-05	4.16E-06	1.81E-11	5.48E-11	4.33E-11	5.51E-13	1.33E-11	7.34E-13	1.45842E-11	1.176E-08	2.5684E-05	4.15541E-06	1.85504E-11	2.22605E-12	9.2591E-12	3.70364E-13

	Trenching	Grading	Stockpile
Emissions Rate (g/s):	9.01E-12	8.00E-11	3.24E-07

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	0.1	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	0.1	10	2	70	0.85
2<9	861	1	0.854795	0.000001	0.1	3	0.55	70	0.72
Student	640	1	0.493151	0.000001	0.1	3	2.8	70	1
Worker	230	1	0.684932	0.000001	0.1	1	2.8	70	1

Benzene

	Chronic (Annu	Acute (1hr)	8hr
REL:	3	27	3

				Concentration [µg/m^3] at 1 g/s									Concentration (µg/m^3) Unmitigated			Unmitigated Residential Dose			Risk by Age Group				Unmitigated			Student Unmitigated		Worker Unmitigated	
#	X	Y	X,Y	Trenching Period	Grading Period	Stockpile Period	Treching 1hr	Grading 1hr	Stockpile 1hr	Trenching 8hr	Grading 8hr	Stockpile 8hr	Period Tota	1hr Total	8hr Total	3rd	0<2	2<9	3rd	0<2	2<9	Total Risk	Chronic	Acute	8hr	Dose	Risk	Dose	Risk
1	570310.6	4177919	0.55, 41779	0.08215	0.06425	0.08047	53.98877	25.74637	57.86027	6.7486	3.78109	7.23253	2.61E-08	1.88E-05	2.35E-06	8.06E-12	2.43E-11	1.92E-11	2.45E-14	5.91E-13	3.26E-14	6.47842E-13	8.703E-09	6.9523E-07	7.82222E-07	8.24027E-12	9.88832E-14	4.11298E-12	1.64519E-14
2	570350.6	4177919	0.55, 41779	0.08744	0.06946	0.0859	61.34869	26.43683	62.74615	7.66859	3.66465	7.84327	2.79E-08	2.04E-05	2.54E-06	8.6E-12	2.6E-11	2.05E-11	2.61E-14	6.31E-13	3.48E-14	6.91559E-13	9.29E-09	7.5393E-07	8.48286E-07	8.79633E-12	1.05556E-13	4.39053E-12	1.75621E-14
3	570390.6	4177919	0.55, 41779	0.09273	0.07514	0.09126	67.57642	27.23616	68.95787	8.44705	3.80844	8.61973	2.96E-08	2.24E-05	2.8E-06	9.14E-12	2.76E-11	2.18E-11	2.77E-14	6.7E-13	3.7E-14	7.34714E-13	9.87E-09	8.2856E-07	9.32265E-07	9.34524E-12	1.12143E-13	4.66451E-12	1.8658E-14
4	570430.6	4177919	0.55, 41779	0.09799	0.08123	0.09661	71.34976	28.07066	72.35504	8.91872	4.01428	9.04438	3.13E-08	2.35E-05	2.93E-06	9.67E-12	2.92E-11	2.31E-11	2.94E-14	7.09E-13	3.92E-14	7.77789E-13	1.045E-08	8.6938E-07	9.78194E-07	9.89314E-12	1.18718E-13	4.93798E-12	1.97519E-14
5	570470.6	4177919	0.55, 41779	0.10292	0.08757	0.10182	71.34124	28.88227	71.18869	8.91766	4.18506	8.89859	3.3E-08	2.31E-05	2.89E-06	1.02E-11	3.08E-11	2.43E-11	3.09E-14	7.48E-13	4.13E-14	8.19737E-13	1.101E-08	8.5537E-07	9.6243E-07	1.04267E-11	1.2512E-13	5.2043E-12	2.08172E-14
6	570510.6	4177919	0.55, 41779	0.10719	0.09397	0.10631	70.57748	29.51269	72.86498	8.82218	4.31581	9.10812	3.45E-08	2.36E-05	2.96E-06	1.06E-11	3.21E-11	2.54E-11	3.23E-14	7.8E-13	4.31E-14	8.5589E-13	1.15E-08	8.7551E-07	9.85083E-07	1.08866E-11	1.30639E-13	5.43383E-12	2.17353E-14
7	570550.6	4177919	0.55, 41779	0.11095	0.10041	0.10942	80.02506	30.00614	83.29269	10.00313	4.88273	10.41159	3.55E-08	2.7E-05	3.38E-06	1.1E-11	3.31E-11	2.61E-11	3.33E-14	8.03E-13	4.43E-14	8.80936E-13	1.183E-08	1.0008E-06	1.12606E-06	1.12051E-11	1.34462E-13	5.59284E-12	2.23713E-14
8	570590.6	4177919	0.55, 41779	0.11537	0.10684	0.11183	81.14556	31.22548	84.40479	10.14319	5.49199	10.5506	3.63E-08	2.74E-05	3.42E-06	1.12E-11	3.38E-11	2.67E-11	3.4E-14	8.21E-13	4.53E-14	9.00348E-13	1.209E-08	1.0142E-06	1.14109E-06	1.1452E-11	1.37424E-13	5.71608E-12	2.28643E-14
9	570630.6	4177919	0.55, 41779	0.12154	0.11343	0.11602	82.02682	32.76834	84.97635	10.54682	6.07261	10.62204	3.76E-08	2.76E-05	3.45E-06	1.16E-11	3.51E-11	2.77E-11	3.53E-14	8.52E-13	4.7E-14	9.34087E-13	1.255E-08	1.021E-06	1.14883E-06	1.18812E-11	1.42574E-13	5.93028E-12	2.37211E-14
10	570670.6	4177919	0.55, 41779	0.12896	0.11974	0.12346	90.28793	34.09351	94.2666	12.11861	6.60764	13.84836	4.01E-08	3.06E-05	4.49E-06	1.24E-11	3.73E-11	2.95E-11	3.75E-14	9.06E-13	5E-14	9.93985E-13	1.335E-08	1.1326E-06	1.49772E-06	1.26431E-11	1.51717E-13	6.31056E-12	2.52422E-14
11	570710.6	4177919	0.55, 41779	0.13589	0.12543	0.13131	92.03158	38.34133	98.54944	11.50395	7.03486	13.72911	4.26E-08	3.2E-05	4.45E-06	1.31E-11	3.97E-11	3.14E-11	3.99E-14	9.64E-13	5.32E-14	1.05718E-12	1.42E-08	1.1841E-06	1.48481E-06	1.34469E-11	1.61363E-13	6.71178E-12	2.68471E-14
12	570750.6	4177919	0.55, 41779	0.14097	0.13029	0.13561	98.93292	42.68075	106.54938	12.36662	7.25038	14.15663	4.4E-08	3.46E-05	4.59E-06	1.36E-11	4.1E-11	3.24E-11	4.12E-14	9.96E-13	5.5E-14	1.0918E-12	1.467E-08	1.2802E-06	1.53106E-06	1.38873E-11	1.66647E-13	6.93158E-12	2.77263E-14
13	570790.6	4177919	0.55, 41779	0.1434	0.13429	0.137	101.78306	44.96916	112.12821	12.72288	7.16867	14.01603	4.45E-08	3.64E-05	4.55E-06	1.37E-11	4.14E-11	3.27E-11	4.16E-14	1.01E-12	5.55E-14	1.103E-12	1.482E-08	1.3473E-06	1.51587E-06	1.40297E-11	1.68356E-13	7.00266E-12	2.80106E-14
14	570830.6	4177919	0.55, 41779	0.14249	0.1373	0.1371	103.05806	46.92439	113.14313	12.88226	6.63254	14.14289	4.45E-08	3.67E-05	4.59E-06	1.37E-11	4.14E-11	3.27E-11	4.17E-14	1.01E-12	5.56E-14	1.10381E-12	1.483E-08	1.3595E-06	1.52959E-06	1.404E-11	1.6848E-13	7.00781E-12	2.80312E-14
15	570870.6	4177919	0.55, 41779	0.13915	0.13926	0.13269	113.81753	49.41272	127.10432	14.22719	6.17659	15.88804	4.31E-08	4.12E-05	5.15E-06	1.33E-11	4.01E-11	3.17E-11	4.03E-14	9.74E-13	5.38E-14	1.06832E-12	1.435E-08	1.5272E-06	1.71833E-06	1.35885E-11	1.63062E-13	6.78247E-12	2.71299E-14
16	570910.6	4177919	0.55, 41779	0.13537	0.14116	0.12571	103.09741	52.00284	118.27061	16.13684	6.50036	14.78383	4.08E-08	3.84E-05	4.8E-06	1.26E-11	3.8E-11	3E-11	3.82E-14	9.23E-13	5.09E-14	1.01214E-12	1.36E-08	1.4211E-06	1.59899E-06	1.2874E-11	1.54488E-13	6.42581E-12	2.57032E-14
17	570950.6	4177919	0.55, 41779	0.13129	0.14261	0.12523	128.63222	54.75687	154.09416	19.7206	7.6051	23.34348	4.06E-08	5E-05	7.57E-06	1.25E-11	3.79E-11	2.99E-11	3.81E-14	9.19E-13	5.08E-14	1.00828E-12	1.354E-08	1.8515E-06	2.52461E-06	1.28249E-11	1.53898E-13	6.4013E-12	2.56052E-14
18	570990.6	4177919	0.55, 41779	0.12715	0.1442	0.12572	126.51514	58.01026	163.29109	18.07359	9.36612	23.3273	4.08E-08	5.3E-05	7.57E-06	1.26E-11	3.8E-11	3E-11	3.82E-14	9.23E-13	5.1E-14	1.01222E-12	1.36E-08	1.962E-06	2.52282E-06	1.28751E-11	1.54501E-13	6.42635E-12	2.57054E-14
19	571030.6	4177919	0.55, 41779	0.12254	0.14609	0.11762	125.39004	62.99788	174.41478	17.19472	10.49965	21.80185	3.82E-08	5.66E-05	7.07E-06	1.18E-11	3.56E-11	2.81E-11	3.58E-14	8.64E-13	4.77E-14	9.47031E-13	1.272E-08	2.0956E-06	2.35785E-06	1.20458E-11	1.4455E-13	6.01245E-12	2.40498E-14
20	571070.6	4177919	0.55, 41779	0.1201	0.14847	0.1104	126.80092	67.58831	177.9713	16.22667	10.87469	22.24641	3.58E-08	5.77E-05	7.22E-06	1.11E-11	3.34E-11	2.64E-11	3.36E-14	8.11E-13	4.47E-14	8.88922E-13	1.194E-08	2.1384E-06	2.40589E-06	1.13067E-11	1.3568E-13	5.64353E-12	2.25741E-14
21	571110.6	4177919	0.55, 41779	0.1205	0.15044	0.10927	126.62476	68.47754	165.66905	20.2586	9.61445	20.70863	3.55E-08	5.37E-05	6.72E-06	1.09E-11	3.3E-11	2.61E-11	3.32E-14	8.02E-13	4.43E-14	8.7983E-13	1.182E-08	1.9906E-06	2.23974E-06	1.11911E-11	1.34293E-13	5.58582E-12	2.23433E-14
22	571150.6	4177919	0.55, 41779	0.1212	0.15159	0.11602	131.66409	62.22893	172.39569	21.10658	9.19459	24.99313	3.76E-08	5.59E-05	8.11E-06	1.16E-11	3.51E-11	2.77E-11	3.53E-14	8.52E-13	4.7E-14	9.34163E-13	1.255E-08	2.0714E-06	2.70302E-06	1.18821E-11	1.42586E-13	5.93076E-12	2.3723E-14
23	571190.6	4177919	0.55, 41779	0.12215	0.15198	0.11825	137.85581	66.48698	180.99172	19.69369	10.25241	26.94632	3.84E-08	5.87E-05	8.74E-06	1.18E-11	3.58E-11	2.82E-11	3.59E-14	8.68E-13	4.79E-14	9.52113E-13	1.279E-08	2.1747E-06	2.91417E-06	1.21105E-11	1.45326E-13	6.04472E-12	2.41789E-14
24	571230.6	4177919	0.55, 41779	0.12354	0.15154	0.11348	148.65332	75.08948	179.38421	21.23619	9.50538	22.42303	3.68E-08	5.82E-05	7.28E-06	1.14E-11	3.43E-11	2.71E-11	3.45E-14	8.33E-13	4.6E-14	9.13719E-13	1.227E-08	2.1554E-06	2.42513E-06	1.16221E-11	1.39465E-13	5.80097E-12	2.32039E-14
25	571270.6	4177919	0.55, 41779	0.12544	0.15047	0.11372	135.01221	73.55453	181.97135	18.66937	9.80753	25.99591	3.69E-08	5.9E-05	8.43E-06	1.14E-11	3.44E-11	2.72E-11	3.46E-14	8.35E-13	4.61E-14	9.15649E-13	1.23E-08	2.1865E-06	2.81138E-06	1.16467E-11	1.3976E-13	5.81322E-12	2.32529E-14
26	571310.6	4177919	0.55, 41779	0.12844	0.14895	0.1185	144.25948	74.57026	160.72945	18.03243	9.63087	20.79832	3.85E-08	5.21E-05	6.75E-06	1.19E-11	3.58E-11	2.83E-11	3.6E-14	8.7E-13	4.8E-14	9.54121E-13	1.282E-08	1.9313E-06	2.24937E-06	1.2136E-11	1.45632E-13	6.05747E-12	2.42299E-14
27	571350.6	4177919	0.55, 41779	0.13264	0.1484	0.12186	134.13439	65.82548	182.86761	16.7668	8.49886	22.85845	3.95E-08	5.93E-05	7.42E-06	1.22E-11	3.68E-11	2.91E-11	3.7E-14	8.95E-13	4.94E-14	9.81165E-13	1.318E-08	2.1972E-06	2.47208E-06	1.248E-11	1.4976E-13	6.22916E-12	2.49167E-14
28	571390.6	4177919	0.55, 41779	0.13487	0.1464	0.12015	140.45529	51.40311	177.22554	17.55691	7.98518	22.15319	3.9E-08	5.75E-05	7.19E-06	1.2E-11	3.63E-11	2.87E-11	3.65E-14	8.82E-13	4.87E-14	9.67398E-13	1.3E-08	2.1294E-06	2.39585E-06	1.23049E-11	1.47659E-13	6.14176E-12	2.4567E-14
29	571430.6	4177919	0.55, 41779	0.14548	0.15293	0.12366	139.19794	49.3636	190.22803	17.39974	7.65374	23.7785	4.01E-08	6.17E-05	7.71E-06	1.24E-11	3.74E-11	2.95E-11	3.76E-14	9.08E-13	5.01E-14	9.95665E-13	1.338E-08	2.2856E-06	2.57158E-06	1.26644E-11	1.51973E-13	6.32122E-12	2.52849E-14
30	571470.6	4177919	0.55, 41779	0.15916	0.16179	0.13045	134.87595	45.89373	190.37308	16.85949	6.86379	23.79664	4.23E-08	6.18E-05	7.72E-06	1.31E-11	3.94E-11	3.12E-11	3.97E-14	9.58E-13	5.29E-14	1.05034E-12	1.411E-08	2.2873E-06	2.57353E-06	1.33598E-11	1.60318E-13	6.66832E-12	2.66733E-14
31	571510.6	4177919	0.55, 41779	0.17426	0.17151	0.14116	122.2315	42.4201	161.48029	15.27894	5.85942	20.18504	4.58E-08	5.24E-05	6.55E-06	1.41E-11	4.27E-11	3.37E-11	4.29E-14	1.04E-12	5.72E-14	1.13656E-12	1.527E-08	1.9402E-06	2.18297E-06	1.44566E-11	1.73479E-13	7.21575E-12	2.8863E-14
32	571550.6	4177919	0.55, 41779	0.18787	0.18026	0.15558	112.99449	35.73716	155.78517	14.12431	5.76206	19.47315	5.05E-08	5.05E-05	6.32E-06	1.56E-11	4.7E-11	3.72E-11	4.73E-14	1.14E-12	6.31E-14	1.25265E-12	1.683E-08	1.8717E-06	2.10597E-06	1.59332E-11	1.91198E-13	7.95275E-12	3.1811E-14
33	571590.6	4177919	0.55, 41779	0.19949	0.18751	0.17419	94.68734	29.26563	123.69427	11.83592	5.30509	15.46178	5.65E-08	4.01E-05	5.02E-06	1.74E-11	5.27E-11	4.16E-11	5.29E-14	1.28E-12	7.06E-14	1.40246E-12	1.884E-08	1.4862E-06	1.67217E-06	1.78386E-11	2.14064E-13	8.90384E-12	3.56154E-14
34	570310.6	4177959	0.55, 41779	0.08597	0.06676	0.0838	56.89619	26.25101	62.23098	7.11202	4.18522	7.77887	2.72E-08	2.02E-05	2.52E-06	8.39E-12	2.53E-11	2E-11	2.55E-14	6.15E-13	3.4E-14	6.74651E-13	9.063E-09	7.4774E-07	8.41306E-07	8.58126E-12	1.02975E-13	4.28318E-12	1.71327E-14
35	570350.6	4177959	0.55, 41779	0.09204	0.07257	0.08995	58.96006	27.16756	63.77509	7.37001	4.19821	7.97189	2.92E-08	2.07E-05	2.59E-06	9.01E-12	2.72E-11	2.15E-11	2.73E-14	6.6E-13	3.65E-14	7.24164E-13	9.728E-09	7.6629E-07	8.62184E-07	9.21106E-12	1.10533E-13	4.59753E-12	1.83901E-14
36	570390.6	4177959	0.55, 41779	0.09833	0.07904	0.09639	63.0038	28.02201	66.12463	7.87548	4.15896	8.26558	3.13E-08	2.15E-05	2.68E-06	9.65E-12	2.91E-11	2.3E-11	2.93E-14	7.08E-13	3.91E-14	7.76014E-13	1.042E-08	7.9452E-07	8.93955E-07	9.87056E-12	1.18447E-13	4.92671E-12	1.97068E-14
37	570430.6	4177959	0.55, 41779	0.10461	0.08611	0.10266	70.72142	28.76698	72.80329	8.84018	4.23038	9.10041	3.33E-08	2.36E-05	2.95E-06	1.03E-11	3.1E-11	2.45E-11	3.12E-14	7.54E-13	4.16E-14	8.26496E-13	1.11E-08	8.7476E-07	9.8425E-07	1.05127E-11	1.26152E-13	5.24721E-12	2.09888E-14
38	570470.6	4177959	0.55, 41779	0.11098	0.09385	0.10929	78.78718	29.82596	80.74124	9.8484	4.47695	10.09265	3.55E-08	2.62E-05	3.27E-06	1.09E-11	3.3E-11	2.61E-11	3.32E-14	8.02E-13	4.43E-14	8.79877E-13	1.182E-08	9.7014E-07	1.09157E-06	1.11917E-11	1.343E-13	5.58611E-12	2.23444E-14
39	570510.6	4177959	0.55, 41779	0.1169	0.10189	0.11567	83.26174	30.87615	84.48278	10.40772	4.70339	10.56035	3.75E-08	2.74E-05	3.43E-06	1.16E-11	3.5E-11	2.76E-11	3.52E-14	8.49E-13	4.69E-14	9.31246E-13	1.251E-08	1.0151E-06	1.14215E-06	1.1845E-11	1.42141E-13	5.91224E-12	2.3649E-14
40	570550.6	4177959	0.55, 41779	0.12213	0.11	0.12099	82.46075	31.83495	82.01237	10.30759	4.9071	10.25155	3.93E-08	2.66E-05	3.33E-06	1.21E-11	3.66E-11	2.89E-11	3.68E-14	8.88E-13	4.9E-14	9.74084E-13	1.309E-08	9.8542E-07	1.10876E-06	1.23899E-11	1.48679E-13	6.18421E-12	2.47368E-14
41	570590.6	4177959	0.55, 41779	0.1275	0.1185	0.12492	87.61849	32.53805	91.54904	10.95231	5.6614	11.44363	4.05E-08	2.97E-05	3.71E-06	1.25E-11	3.78E-11	2.98E-11	3.8E-14	9.17E-13	5.06E-14	1.00573E-12	1.351E-08	1.1E-06	1.23767E-06	1.27925E-11	1.5351E-13	6.38515E-12	2.55406E-14
42	570630.6	4177959	0.55, 41779	0.13429	0.12721	0.12893	94.25098	33.95012	99.61773	11.78137	6.34882	12.45222	4.18E-08	3.23E-05	4.04E-06	1.29E-11	3.9E-11	3.08E-11	3.92E-14	9.47E-13	5.23E-14	1.03803E-12	1.394E-08	1.1969E-06	1.34675E-06	1.32033E-11	1.58439E-13	6.59018E-12	2.63607E-14
43	570670.6	4177959	0.55, 41779	0.1434	0.13582	0.13624	91.47953	35.4429	96.20253	12.89467	6.97952	13.63762	4.42E-08	3.12E-05	4.42E-06	1.36E-11	4.12E-11	3.25E-11	4.14E-14	1E-12	5.52E-14	1.09689E-12	1.474E-08	1.1559E-06	1.47496E-06	1.39519E-11	1.67423E-13	6.96384E-12	2.78554E-14
44	570710.6	4177959	0.55, 41779	0.15342	0.14402	0.1467	103.54122	38.62398	108.53691	12.94265	7.57754	15.98544	4.76E-08	3.52E-05	5.19E-06	1.47E-11	4.43E-11	3.5E-11	4.46E-14	1.08E-12	5.95E-14	1.1811E-12	1.587E-08	1.3041E-06	1.72882E-06	1.5023E-11	1.80276E-13	7.49847E-12	2.99939E-14
45	570750.6	4177959	0.55, 41779	0.16261	0.1515	0.15549	105.52732	44.38977	114.23814	13.19092	8.09206	15.7724	5.05E-08	3.71E-05	5.12E-06	1.56E-11	4.7E-11	3.71E-11	4.73E-14	1.14E-12	6.3E-14	1.25186E-12	1.682E-08	1.3726E-06	1.70579E-06	1.59232E-11	1.91078E-13	7.94775E-12	3.1791E-14
46	570790.6	4177959	0.55, 41779	0.16989	0.15823	0.16076	113.60479	47.24143	124.57926	14.2006	8.3928	15.57241	5.22E-08	4.04E-05	5.05E-06	1.61E-11	4.86E-11	3.84E-11	4.89E-14	1.18E-12	6.52E-14	1.2943E-12	1.739E-08	1.4969E-06	1.6842E-06	1.64629E-11	1.97555E-13	8.21715E-12	3.28686E-14
47	570830.6	4177959	0.55, 41779	0.1738	0.16401	0.16481	115.20896	49.45722	130.36471	14.40112	8.28774	16.29559	5.35E-08	4.23E-05	5.29E-06	1.65E-11	4.98E-11	3.94E-11	5.01E-14	1.21E-12	6.68E-14	1.32691E-12	1.783E-08	1.5664E-06	1.7624E-06	1.68777E-11	2.02532E-13	8.42418E-12	3.36967E-14
48	570870.6	4177959	0.55, 41779	0.17339	0.16851	0.16469	122.33209	52.01335	138.82114	15.29151	7.46689	17.35264	5.34E-08	4.5E-05	5.63E-06	1.65E-11	4.98E-11	3.93E-11	5.01E-14	1.21E-12	6.67E-14	1.32595E-12	1.781E-08	1.668E-06	1.87672E-06	1.68655E-11	2.02386E-13	8.41811E-12	3.36724E-14
49	570910.6	4177959	0.55, 41779	0.16973	0.17204	0.1579	128.70888	55.67631	149.19916	16.08861	6.95954	18.64989	5.12E-08	4.84E-05	6.05E-06	1.58E-11	4.77E-11	3.77E-11	4.8E-14	1.16E-12	6.4E-14	1.2713E-12	1.708E-08	1.7927E-06	2.01701E-06	1.61704E-11	1.94045E-13	8.07117E-12	3.22847E-14
50	570950.6	4177959	0.55, 41779	0.16375	0.1746	0.15354	137.78687	58.35606	146.62449	21.41966	8.40086	22.62642	4.98E-08	4.76E-05	7.34E-06	1.54E-11	4.64E-11	3.67E-11	4.67E-14	1.13E-12	6.22E-14	1.23621E-12	1.661E-08	1.7618E-06	2.44713E-06	1.57241E-11	1.88689E-13	7.8484E-12	3.13936E-14
51	570990.6	4177959	0.55, 41779	0.1571	0.17611	0.15296	148.41379	62.43724	189.01685	21.20197	10.20575	28.13097	4.96E-08	6.13E-05	9.13E-06	1.53E-11	4.62E-11	3.65E-11	4.65E-14	1.12E-12	6.2E-14	1.23155E-12	1.654E-08	2.2711E-06	3.04231E-06	1.56647E-11	1.87977E-13	7.81877E-12	3.12751E-14
52	571030.6	4177959	0.55, 41779	0.15135	0.1787	0.14372	141.29712	68.4386	198.29024	19.05284	11.40643	25.9054	4.66E-08	6.43E-05	8.4E-06	1.44E-11	4.35E-11	3.43E-11	4.37E-14	1.06E-12	5.83E-14	1.15718E-12	1.555E-08	2.3825E-06	2.8016E-06	1.47188E-11	1.76626E-13	7.34663E-12	2.93865E-14
53	571070.6	4177959	0.55, 41779	0.14838	0.1815	0.13361	143.49488	74.36914	202.29359	18.79197	11.80682	25.2867	4.34E-08	6.56E-05	8.2E-06	1.34E-11	4.04E-11	3.19E-11	4.06E-14	9.81E-13	5.42E-14	1.07581E-12	1.445E-08	2.4306E-06	2.7347E-06	1.36838E-11	1.64206E-13	6.83003E-12	2.73201E-14
54	571110.6	4177959	0.55, 41779	0.14858	0.18375	0.13332	140.62761	73.34522	192.64407	22.74237	10.22286	24.08051	4.33E-08	6.25E-05	7.81E-06	1.33E-11	4.03E-11	3.18E-11	4.05E-14	9.79E-13	5.4E-14	1.07348E-12	1.442E-08	2.3147E-06	2.6044E-06	1.36542E-11	1.6385E-13	6.81524E-12	2.7261E-14
55	571150.6	4177959	0.55, 41779	0.14994	0.18566	0.14292	146.3467	67.83983	199.40983	22.92053	11.48399	30.37919	4.64E-08	6.47E-05	9.86E-06	1.43E-11	4.32E-11	3.41E-11	4.34E-14	1.05E-12	5.79E-14	1.15075E-12	1.546E-08	2.396E-06	3.28545E-06	1.46371E-11	1.75645E-13	7.30583E-12	2.92233E-14
56	571190.6	4177959	0.55, 41779	0.1525	0.18616	0.14359	161.89014	78.97315	204.49698	23.12716	11.84075	29.21385	4.66E-08	6.63E-05	9.48E-06	1.44E-11	4.34E-11	3.43E-11	4.36E-14	1.05E-12	5.82E-14	1.15615E-12	1.553E-08	2.4571E-06	3.15945E-06	1.47057E-11	1.76468E-13	7.34008E-12	2.93603E-14
57	571230.6	4177959	0.55, 41779	0.15542	0.18516	0.1383	156.07845	81.92899	197.17574	22.29692	11.22006	24.64697	4.49E-08	6.4E-05	8E-06	1.38E-11	4.18E-11	3.3E-11	4.2E-14	1.02E-12	5.61E-14	1.11357E-12	1.496E-08	2.3692E-06	2.66563E-06	1.41641E-11	1.69969E-13	7.06975E-12	2.8279E-14
58	571270.6	4177959	0.55, 41779	0.15909	0.18379	0.14205	158.42767	82.70179	205.30007	19.80346	11.54254	29.32858	4.61E-08	6.66E-05	9.52E-06	1.42E-11	4.29E-11	3.39E-11	4.32E-14	1.04E-12	5.76E-14	1.14375E-12	1.536E-08	2.4668E-06	3.17176E-06	1.4548E-11	1.74576E-13	7.26136E-12	2.90455E-14
59	571310.6	4177959	0.55, 41779	0.1655	0.18382	0.1484	150.26158	75.50789	204.0765	18.7827	10.48328	25.50956	4.82E-08	6.62E-05	8.28E-06	1.49E-11	4.49E-11	3.54E-11	4.51E-14	1.09E-12	6.01E-14	1.19486E-12	1.605E-08	2.452E-06	2.75879E-06	1.51981E-11	1.82377E-13	7.58586E-12	3.03434E-14
60	571350.6	4177959	0.55, 41779	0.17654	0.1881	0.15257	154.82597	60.83045	189.56737	19.35325	9.71095	23.69592	4.95E-08	6.15E-05	7.69E-06	1.53E-11	4.61E-11	3.64E-11	4.64E-14	1.12E-12	6.18E-14	1.22844E-12	1.65E-08	2.2777E-06	2.56271E-06	1.56252E-11	1.87502E-13	7.79902E-12	3.11961E-14
61	571390.6	4177959	0.55, 41779	0.18842	0.1934	0.15428	152.92189	54.55359	214.59873	19.11524	9.16318	26.82484	5.01E-08	6.96E-05	8.7E-06	1.54E-11	4.66E-11	3.68E-11	4.69E-14	1.13E-12	6.25E-14	1.24221E-12	1.669E-08	2.5784E-06	2.90102E-06	1.58004E-11	1.89605E-13	7.88649E-12	3.15459E-14
62	571430.6	4177959	0.55, 41779	0.20645	0.20414	0.16292	148.33328	50.38722	217.66749	18.54166	8.09078	27.20844	5.29E-08	7.06E-05	8.83E-06	1.63E-11	4.93E-11	3.89E-11	4.95E-14	1.2E-12	6.6E-14	1.31178E-12	1.762E-08	2.6152E-06	2.94248E-06	1.66853E-11	2.00223E-13	8.32816E-12	3.33126E-14
63	571470.6	4177959	0.55, 41779	0.22554	0.21577	0.17809	134.13897	46.24246	185.84967	16.76737	6.92684	23.23121	5.78E-08	6.03E-05	7.54E-06	1.78E-11	5.38E-11	4.25E-11	5.41E-14	1.31E-12	7.22E-14	1.43391E-12	1.926E-08	2.233E-06	2.51239E-06	1.82387E-11	2.18865E-13	9.10352E-12	3.64141E-14
64	571510.6	4177959	0.55, 41779	0.24332	0.22654	0.20114	122.33786	38.55117	174.21255	15.29223	6.75463	21.77657	6.53E-08	5.65E-05	7.07E-06	2.01E-11	6.08E-11	4.8E-11	6.11E-14	1.48E-12	8.15E-14	1.61946E-12	2.176E-08	2.0931E-06	2.35506E-06	2.05989E-11	2.47186E-13	1.02816E-11	4.11262E-14
65	571550.6	4177959	0.55, 41779	0.25539	0.23344	0.22684	100.38932	31.1899	131.18831	12.54867	6.13877	16.39854	7.36E-08	4.26E-05	5.32E-06	2.27E-11	6.86E-11	5.42E-11	6.89E-14	1.67E-12	9.19E-14	1.82634E-12	2.453E-08	1.5762E-06	1.77348E-06	2.32302E-11	2.78762E-13	1.15949E-11	4.63797E-14
66	571590.6	4177959	0.55, 41779	0.26174	0.2364	0.25018	103.20811	24.1035	113.64553	12.90101	5.55119	14.20569	8.12E-08	3.69E-05	4.61E-06	2.5E-11	7.56E-11	5.97E-11	7.6E-14	1.84E-12	1.01E-13	2.0142E-12	2.706E-08	1.3654E-06	1.53638E-06	2.56198E-11	3.07438E-13	1.27877E-11	5.11507E-14
67	570310.6	4177999	0.55, 41779	0.08992	0.06909	0.08739	61.55411	26.71644	63.33313	7.69426	4.42886	7.91664	2.84E-08	2.05E-05	2.57E-06	8.75E-12	2.64E-11	2.09E-11	2.66E-14	6.42E-13	3.54E-14	7.03552E-13	9.451E-09	7.6098E-07	8.5622E-07	8.94887E-12	1.07386E-13	4.46667E-12	1.78667E-14
68	570350.6	4177999	0.55, 41779	0.09687	0.07551	0.09431	63.16088	27.72336	68.96816	7.89511	4.52605	8.62102	3.06E-08	2.24E-05	2.8E-06	9.44E-12	2.85E-11	2.25E-11	2.87E-14	6.92E-13	3.82E-14	7.59265E-13	1.02E-08	8.2868E-07	9.32388E-07	9.65752E-12	1.1589E-13	4.82038E-12	1.92815E-14
69	570390.6	4177999	0.55, 41779	0.10411	0.08268	0.10154	65.18315	28.66629	70.59128	8.14789	4.5901	8.82391	3.29E-08	2.29E-05	2.86E-06	1.02E-11	3.07E-11	2.42E-11	3.09E-14	7.45E-13	4.12E-14	8.17474E-13	1.098E-08	8.4819E-07	9.54333E-07	1.03979E-11	1.24775E-13	5.18993E-12	2.07597E-14
70	570430.6	4177999	0.55, 41779	0.11178	0.0909	0.10932	69.77828	29.77159	73.90272	8.72229	4.64595	9.23784	3.55E-08	2.4E-05	3E-06	1.09E-11	3.3E-11	2.61E-11	3.32E-14	8.03E-13	4.43E-14	8.80113E-13	1.182E-08	8.8798E-07	9.99106E-07	1.11947E-11	1.34336E-13	5.58761E-12	2.23504E-14
71	570470.6	4177999	0.55, 41779	0.11947	0.09994	0.11702	73.23749	30.82615	79.61188	9.15469	4.70414	9.95148	3.8E-08	2.58E-05	3.23E-06	1.17E-11	3.54E-11	2.79E-11	3.56E-14	8.59E-13	4.74E-14	9.42109E-13	1.266E-08	9.5657E-07	1.07628E-06	1.19832E-11	1.43799E-13	5.98121E-12	2.39248E-14
72	570510.6	4177999	0.55, 41779	0.12689	0.1096	0.1248	83.36058	31.87471	86.19643	10.42007	5.00665	10.77455	4.05E-08	2.8E-05	3.5E-06	1.25E-11	3.77E-11	2.98E-11	3.79E-14	9.16E-13	5.06E-14	1.00475E-12	1.35E-08	1.0357E-06	1.16531E-06	1.278E-11	1.5336E-13	6.3789E-12	2.55156E-14
73	570550.6	4177999	0.55, 41779	0.1338	0.11968	0.13227	93.92369	33.13511	96.59692	11.74046	5.30601	12.07462	4.29E-08	3.13E-05	3.92E-06	1.32E-11	4E-11	3.16E-11	4.02E-14	9.71E-13	5.36E-14	1.0649E-12	1.431E-08	1.1606E-06	1.30592E-06	1.3545E-11	1.6254E-13	6.76076E-12	2.7043E-14
74	570590.6	4177999	0.55, 41779	0.14077	0.13095	0.13895	98.98148	34.43475	100.81152	12.37268	5.77536	12.60144	4.51E-08	3.27E-05	4.09E-06	1.39E-11	4.2E-11	3.32E-11	4.22E-14	1.02E-12	5.63E-14	1.11869E-12	1.503E-08	1.2113E-06	1.36291E-06	1.42292E-11	1.70751E-13	7.10226E-12	2.8409E-14
75	570630.6	4177999	0.55, 41779	0.14863	0.14246	0.14416	96.29887	35.58815	97.29546	12.03736	6.62596	12.16193	4.68E-08	3.16E-05	3.95E-06	1.44E-11	4.36E-11	3.44E-11	4.38E-14	1.06E-12	5.84E-14	1.16065E-12	1.559E-08	1.169E-06	1.31537E-06	1.47629E-11	1.77155E-13	7.36865E-12	2.94746E-14
76	570670.6	4177999	0.55, 41779	0.15906	0.15417	0.15133	108.0953	37.02771	115.61321	13.51191	7.37805	14.45165	4.91E-08	3.75E-05	4.69E-06	1.52E-11	4.57E-11	3.61E-11	4.6E-14	1.11E-12	6.13E-14	1.21838E-12	1.637E-08	1.3891E-06	1.56299E-06	1.54973E-11	1.85968E-13	7.7352E-12	3.09408E-14
77	570710.6	4177999	0.55, 41779	0.17207	0.16581	0.16328	109.21603	39.28347	116.55796	14.39109	8.06843	17.60456	5.3E-08	3.78E-05	5.71E-06	1.63E-11	4.94E-11	3.9E-11	4.96E-14	1.2E-12	6.62E-14	1.31459E-12	1.766E-08	1.4005E-06	1.90393E-06	1.67211E-11	2.00653E-13	8.34602E-12	3.33841E-14
78	570750.6	4177999	0.55, 41779	0.18601	0.17706	0.17647	119.66853	46.10023	126.10142	14.95857	8.7788	16.77146	5.73E-08	4.09E-05	5.44E-06	1.77E-11	5.33E-11	4.21E-11	5.36E-14	1.3E-12	7.15E-14	1.42078E-12	1.909E-08	1.5152E-06	1.81387E-06	1.80718E-11	2.16861E-13	9.0202E-12	3.60808E-14
79	570790.6	4177999	0.55, 41779	0.19953	0.18772	0.18696	122.67556	49.8289	134.57394	15.33445	9.45426	16.82174	6.07E-08	4.37E-05	5.46E-06	1.87E-11	5.65E-11	4.46E-11	5.68E-14	1.37E-12	7.58E-14	1.50524E-12	2.022E-08	1.617E-06	1.81932E-06	1.9146E-11	2.29752E-13	9.55639E-12	3.82256E-14
80	570830.6	4177999	0.55, 41779	0.21109	0.19773	0.1968	133.54261	52.4094	148.58094	16.69283	9.90962	18.57262	6.39E-08	4.82E-05	6.03E-06	1.97E-11	5.95E-11	4.7E-11	5.98E-14	1.44E-12	7.98E-14	1.58447E-12	2.129E-08	1.7852E-06	2.00867E-06	2.01537E-11	2.41845E-13	1.00594E-11	4.02375E-14
81	570870.6	4177999	0.55, 41779	0.21804	0.20674	0.20398	131.45449	55.15858	156.57352	16.43181	9.77159	19.57169	6.62E-08	5.08E-05	6.35E-06	2.04E-11	6.17E-11	4.87E-11	6.2E-14	1.5E-12	8.27E-14	1.64228E-12	2.206E-08	1.8813E-06	2.11669E-06	2.0889E-11	2.50669E-13	1.04264E-11	4.17056E-14
82	570910.6	4177999	0.55, 41779	0.21803	0.21414	0.20286	148.11273	59.13207	173.84644	18.51409	8.43226	21.73081	6.58E-08	5.64E-05	7.05E-06	2.03E-11	6.13E-11	4.84E-11	6.17E-14	1.49E-12	8.22E-14	1.63328E-12	2.194E-08	2.0888E-06	2.35021E-06	2.07746E-11	2.49295E-13	1.03693E-11	4.1477E-14
83	570950.6	4177999	0.55, 41779	0.2114	0.21889	0.19586	140.12444	63.58464	170.21851	21.83562	9.32684	21.27731	6.36E-08	5.52E-05	6.9E-06	1.96E-11	5.92E-11	4.68E-11	5.95E-14	1.44E-12	7.94E-14	1.57694E-12	2.118E-08	2.0452E-06	2.30127E-06	2.0058E-11	2.40696E-13	1.00116E-11	4.00464E-14
84	570990.6	4177999	0.55, 41779	0.2013	0.22185	0.19061	171.25011	67.61488	221.4052	25.43318	11.18299	33.45295	6.18E-08	7.18E-05	1.09E-05	1.91E-11	5.76E-11	4.55E-11	5.79E-14	1.4E-12	7.73E-14	1.53469E-12	2.062E-08	2.6602E-06	3.61788E-06	1.95206E-11	2.34247E-13	9.74334E-12	3.89734E-14
85	571030.6	4177999	0.55, 41779	0.19301	0.22456	0.1804	161.4506	75.02365	233.40135	21.94671	12.50394	33.34305	5.85E-08	7.57E-05	1.08E-05	1.81E-11	5.45E-11	4.31E-11	5.48E-14	1.32E-12	7.31E-14	1.45251E-12	1.951E-08	2.8044E-06	3.60589E-06	1.84753E-11	2.21704E-13	9.22163E-12	3.68865E-14
86	571070.6	4177999	0.55, 41779	0.18927	0.22808	0.16676	165.36156	82.48884	231.46597	21.97245	12.95225	28.93325	5.41E-08	7.51E-05	9.39E-06	1.67E-11	5.04E-11	3.98E-11	5.07E-14	1.22E-12	6.76E-14	1.34273E-12	1.804E-08	2.7811E-06	3.12908E-06	1.7079E-11	2.04948E-13	8.52466E-12	3.40986E-14
87	571110.6	4177999	0.55, 41779	0.18141	0.21619	0.16049	158.60632	80.72549	237.56536	25.62624	11.81551	29.69982	5.21E-08	7.71E-05	9.64E-06	1.61E-11	4.85E-11	3.83E-11	4.88E-14	1.18E-12	6.5E-14	1.29224E-12	1.736E-08	2.8544E-06	3.21207E-06	1.64367E-11	1.97241E-13	8.2041E-12	3.28164E-14
88	571150.6	4177999	0.55, 41779	0.19202	0.23351	0.18032	164.05988	80.42402	231.86209	24.96785	14.13496	37.65816	5.85E-08	7.52E-05	1.22E-05	1.81E-11	5.45E-11	4.31E-11	5.48E-14	1.32E-12	7.31E-14	1.45189E-12	1.95E-08	2.7859E-06	4.07255E-06	1.84674E-11	2.21608E-13	9.21765E-12	3.68706E-14
89	571190.6	4177999	0.55, 41779	0.1978	0.23414	0.17819	182.21875	91.74664	241.78028	26.03125	13.21695	31.92825	5.78E-08	7.84E-05	1.04E-05	1.78E-11	5.39E-11	4.26E-11	5.42E-14	1.31E-12	7.22E-14	1.43474E-12	1.927E-08	2.9051E-06	3.45304E-06	1.82493E-11	2.18992E-13	9.10883E-12	3.64353E-14
90	571230.6	4177999	0.55, 41779	0.20367	0.23289	0.17473	172.67653	91.69738	231.55794	22.62496	13.85272	33.07971	5.67E-08	7.51E-05	1.07E-05	1.75E-11	5.28E-11	4.17E-11	5.31E-14	1.28E-12	7.08E-14	1.40689E-12	1.89E-08	2.7823E-06	3.57744E-06	1.78951E-11	2.14741E-13	8.93201E-12	3.5728E-14
91	571270.6	4177999	0.55, 41779	0.21358	0.23476	0.18394	171.66845	86.35935	210.57834	21.45856	13.01074	28.58393	5.97E-08	6.83E-05	9.27E-06	1.84E-11	5.56E-11	4.39E-11	5.59E-14	1.35E-12	7.46E-14	1.48103E-12	1.99E-08	2.5302E-06	3.09129E-06	1.88381E-11	2.26057E-13	9.40268E-12	3.76107E-14
92	571310.6	4177999	0.55, 41779	0.23025	0.24083	0.19159	171.26207	72.34733	231.62674	21.40776	11.81711	28.95334	6.22E-08	7.51E-05	9.39E-06	1.92E-11	5.79E-11	4.58E-11	5.82E-14	1.41E-12	7.77E-14	1.54262E-12	2.072E-08	2.783E-06	3.13123E-06	1.96215E-11	2.35458E-13	9.7937E-12	3.91748E-14
93	571350.6	4177999	0.55, 41779	0.25373	0.25254	0.198	169.27826	60.68614	249.61103	21.15978	11.13084	31.20138	6.42E-08	8.1E-05	1.01E-05	1.98E-11	5.99E-11	4.73E-11	6.02E-14	1.45E-12	8.03E-14	1.59424E-12	2.142E-08	2.9991E-06	3.3743E-06	2.02781E-11	2.43337E-13	1.01214E-11	4.04858E-14
94	571390.6	4177999	0.55, 41779	0.27999	0.26698	0.21185	164.13881	55.69534	253.30621	20.51735	9.69774	31.66328	6.87E-08	8.22E-05	1.03E-05	2.12E-11	6.4E-11	5.06E-11	6.44E-14	1.56E-12	8.59E-14	1.70575E-12	2.291E-08	3.0434E-06	3.42422E-06	2.16965E-11	2.60358E-13	1.08294E-11	4.33176E-14
95	571430.6	4177999	0.55, 41779	0.30187	0.27888	0.2328	148.06777	50.74185	217.39094	18.50847	8.30154	27.17387	7.55E-08	7.05E-05	8.82E-06	2.33E-11	7.04E-11	5.56E-11	7.08E-14	1.71E-12	9.44E-14	1.87441E-12	2.518E-08	2.6119E-06	2.93874E-06	2.38417E-11	2.861E-13	1.19001E-11	4.76005E-14
96	571470.6	4177999	0.55, 41779	0.32222	0.29016	0.268	133.22849	41.8567	195.88733	16.65356	8.00082	24.48592	8.7E-08	6.35E-05	7.94E-06	2.68E-11	8.1E-11	6.4E-11	8.15E-14	1.97E-12	1.09E-13	2.15776E-12	2.899E-08	2.3536E-06	2.64805E-06	2.74457E-11	3.29349E-13	1.3699E-11	5.47962E-14
97	571510.6	4177999	0.55, 41779	0.33311	0.29527	0.30394	113.25391	33.39085	138.27651	14.15674	7.16119	17.28456	9.86E-08	4.49E-05	5.61E-06	3.04E-11	9.19E-11	7.26E-11	9.24E-14	2.23E-12	1.23E-13	2.44705E-12	3.287E-08	1.6614E-06	1.86932E-06	3.11254E-11	3.73505E-13	1.55357E-11	6.21427E-14
98	571550.6	4177999	0.55, 41779	0.33431	0.29408	0.33024	118.79132	25.19774	142.42424	14.84891	6.75336	17.80303	1.07E-07	4.62E-05	5.78E-06	3.31E-11	9.98E-11	7.89E-11	1E-13	2.42E-12	1.34E-13	2.65873E-12	3.572E-08	1.7112E-06	1.9254E-06	3.38179E-11	4.05815E-13	1.68796E-11	6.75184E-14
99	571590.6	4177999	0.55, 41779	0.32897	0.28857	0.34209	117.12124	19.87515	150.29933	14.64016	6.7762	18.78742	1.11E-07	4.88E-05	6.1E-06	3.43E-11	1.03E-10	8.17E-11	1.04E-13	2.51E-12	1.39E-13	2.7541E-12	3.7E-08	1.8058E-06	2.03184E-06	3.50309E-11	4.20371E-13	1.74851E-11	6.99403E-14
100	570310.6	4178039	0.55, 41780	0.09395	0.07118	0.09114	60.38117	27.45867	68.75884	7.54765	4.57644	8.59485	2.96E-08	2.23E-05	2.79E-06	9.12E-12	2.76E-11	2.18E-11	2.77E-14	6.69E-13	3.69E-14	7.3374E-13	9.857E-09	8.2617E-07	9.29548E-07	9.33286E-12	1.11994E-13	4.65833E-12	1.86333E-14
101	570350.6	4178039	0.55, 41780	0.10181	0.07823	0.09867	67.40685	28.30867	69.9761	8.42586	4.71811	8.74701	3.2E-08	2.27E-05	2.84E-06	9.88E-12	2.98E-11	2.36E-11	3E-14	7.24E-13	4E-14	7.94364E-13	1.067E-08	8.408E-07	9.46026E-07	1.0104E-11	1.21248E-13	5.04321E-12	2.01729E-14
102	570390.6	4178039	0.55, 41780	0.11033	0.08626	0.10708	70.86935	29.39362	77.00767	8.85867	4.86131	9.62596	3.47E-08	2.5E-05	3.12E-06	1.07E-11	3.24E-11	2.56E-11	3.25E-14	7.86E-13	4.34E-14	8.62073E-13	1.158E-08	9.2528E-07	1.04108E-06	1.09652E-11	1.31582E-13	5.47308E-12	2.18923E-14
103	570430.6	4178039	0.55, 41780	0.11935	0.09539	0.11615	72.77771	30.53752	78.92837	9.09721	4.99157	9.86605	3.77E-08	2.56E-05	3.2E-06	1.16E-11	3.51E-11	2.77E-11	3.53E-14	8.53E-13	4.71E-14	9.35097E-13	1.256E-08	9.4836E-07	1.06704E-06	1.1894E-11	1.42728E-13	5.93669E-12	2.37468E-14
104	570470.6	4178039	0.55, 41780	0.12876	0.10583	0.1256	77.88414	31.78332	83.40463	9.73552	5.12346	10.42558	4.08E-08	2.71E-05	3.38E-06	1.26E-11	3.8E-11	3E-11	3.82E-14	9.22E-13	5.09E-14	1.01118E-12	1.358E-08	1.0021E-06	1.12756E-06	1.28618E-11	1.54342E-13	6.41974E-12	2.56789E-14
105	570510.6	4178039	0.55, 41780	0.13797	0.11733	0.13491	81.61557	33.05226	90.60057	10.20195	5.27698	11.32507	4.38E-08	2.94E-05	3.67E-06	1.35E-11	4.08E-11	3.22E-11	4.1E-14	9.9E-13	5.47E-14	1.08614E-12	1.459E-08	1.0886E-06	1.22483E-06	1.38153E-11	1.65783E-13	6.89564E-12	2.75826E-14
106	570550.6	4178039	0.55, 41780	0.14677	0.12979	0.14418	83.22783	34.40977	92.92473	10.40348	5.64664	11.61559	4.68E-08	3.01E-05	3.77E-06	1.44E-11	4.36E-11	3.44E-11	4.38E-14	1.06E-12	5.84E-14	1.16078E-12	1.559E-08	1.1165E-06	1.25625E-06	1.47647E-11	1.77176E-13	7.36951E-12	2.9478E-14
107	570590.6	4178039	0.55, 41780	0.15543	0.14397	0.15331	100.7883	35.81672	104.85134	12.59854	6.05306	13.10642	4.97E-08	3.4E-05	4.25E-06	1.53E-11	4.63E-11	3.66E-11	4.66E-14	1.13E-12	6.21E-14	1.2343E-12	1.658E-08	1.2598E-06	1.41751E-06	1.56998E-11	1.88397E-13	7.83625E-12	3.1345E-14
108	570630.6	4178039	0.55, 41780	0.16446	0.15887	0.16086	114.63184	37.47906	118.86748	14.32898	6.85921	14.85844	5.22E-08	3.86E-05	4.82E-06	1.61E-11	4.86E-11	3.84E-11	4.89E-14	1.18E-12	6.52E-14	1.2951E-12	1.74E-08	1.4282E-06	1.607E-06	1.64731E-11	1.97677E-13	8.22226E-12	3.2889E-14
109	570670.6	4178039	0.55, 41780	0.17604	0.17458	0.16859	120.19022	39.09251	122.97013	15.02378	7.81169	15.37127	5.47E-08	3.99E-05	4.99E-06	1.69E-11	5.1E-11	4.03E-11	5.12E-14	1.24E-12	6.83E-14	1.35735E-12	1.823E-08	1.4775E-06	1.66247E-06	1.72649E-11	2.07179E-13	8.61748E-12	3.44699E-14
110	570710.6	4178039	0.55, 41780	0.19156	0.191	0.18153	122.05191	40.81454	130.55962	15.86896	8.63568	17.88475	5.89E-08	4.24E-05	5.8E-06	1.82E-11	5.49E-11	4.33E-11	5.52E-14	1.33E-12	7.36E-14	1.46154E-12	1.963E-08	1.5687E-06	1.93427E-06	1.85902E-11	2.23082E-13	9.27895E-12	3.71158E-14
111	570750.6	4178039	0.55, 41780	0.2105	0.20761	0.19902	132.53323	47.68084	144.79481	16.56665	9.43658	19.64627	6.46E-08	4.7E-05	6.37E-06	1.99E-11	6.02E-11	4.75E-11	6.05E-14	1.46E-12	8.07E-14	1.60235E-12	2.153E-08	1.7397E-06	2.12476E-06	2.03812E-11	2.44575E-13	1.01729E-11	4.06917E-14
112	570790.6	4178039	0.55, 41780	0.23169	0.22417	0.21523	139.552	52.7884	147.64201	17.444	10.33029	19.40572	6.98E-08	4.79E-05	6.3E-06	2.15E-11	6.51E-11	5.14E-11	6.54E-14	1.58E-12	8.72E-14	1.73286E-12	2.328E-08	1.774E-06	2.09877E-06	2.20413E-11	2.64495E-13	1.10015E-11	4.4006E-14
113	570830.6	4178039	0.55, 41780	0.25382	0.24067	0.23208	145.24751	55.81087	161.73262	18.15594	11.28689	20.21658	7.53E-08	5.25E-05	6.56E-06	2.32E-11	7.02E-11	5.54E-11	7.05E-14	1.7E-12	9.41E-14	1.86853E-12	2.51E-08	1.9433E-06	2.18647E-06	2.37668E-11	2.85202E-13	1.18628E-11	4.74512E-14
114	570870.6	4178039	0.55, 41780	0.27385	0.25672	0.25028	159.27674	59.06353	181.66903	19.90959	12.04587	22.70863	8.12E-08	5.89E-05	7.37E-06	2.51E-11	7.57E-11	5.98E-11	7.61E-14	1.84E-12	1.01E-13	2.01505E-12	2.707E-08	2.1828E-06	2.45598E-06	2.56306E-11	3.07567E-13	1.27931E-11	5.11722E-14
115	570910.6	4178039	0.55, 41780	0.28498	0.272	0.26185	154.31681	63.03506	190.144	19.2896	11.80173	23.768	8.5E-08	6.17E-05	7.71E-06	2.62E-11	7.92E-11	6.25E-11	7.96E-14	1.92E-12	1.06E-13	2.10821E-12	2.832E-08	2.2846E-06	2.5705E-06	2.68155E-11	3.21786E-13	1.33845E-11	5.3538E-14
116	570950.6	4178039	0.55, 41780	0.28313	0.28254	0.2606	178.15221	69.82475	214.80591	22.26903	10.41815	26.85074	8.46E-08	6.97E-05	8.71E-06	2.61E-11	7.88E-11	6.22E-11	7.92E-14	1.91E-12	1.06E-13	2.09817E-12	2.819E-08	2.5809E-06	2.90391E-06	2.66878E-11	3.20254E-13	1.33207E-11	5.3283E-14
117	570990.6	4178039	0.55, 41780	0.27042	0.28832	0.24711	188.87787	74.10995	223.28286	29.14051	12.35166	34.29706	8.02E-08	7.24E-05	1.11E-05	2.47E-11	7.47E-11	5.9E-11	7.51E-14	1.81E-12	1E-13	1.9896E-12	2.673E-08	2.6828E-06	3.70926E-06	2.53068E-11	3.03682E-13	1.26315E-11	5.05258E-14
118	571030.6	4178039	0.55, 41780	0.25749	0.29249	0.23391	188.96663	83.29257	277.8919	26.99523	13.88209	39.69884	7.59E-08	9.02E-05	1.29E-05	2.34E-11	7.07E-11	5.59E-11	7.11E-14	1.72E-12	9.48E-14	1.88336E-12	2.53E-08	3.3389E-06	4.29326E-06	2.39555E-11	2.87466E-13	1.1957E-11	4.78279E-14
119	571070.6	4178039	0.55, 41780	0.25163	0.29646	0.21613	192.59035	92.57991	271.23553	26.01862	14.40126	34.27332	7.01E-08	8.8E-05	1.11E-05	2.16E-11	6.53E-11	5.16E-11	6.57E-14	1.59E-12	8.76E-14	1.74026E-12	2.338E-08	3.259E-06	3.7066E-06	2.21353E-11	2.65624E-13	1.10484E-11	4.41938E-14
120	571110.6	4178039	0.55, 41780	0.23996	0.28057	0.20816	179.79911	89.13384	295.00102	29.33997	15.522	36.88643	6.75E-08	9.57E-05	1.2E-05	2.08E-11	6.29E-11	4.97E-11	6.33E-14	1.53E-12	8.44E-14	1.67607E-12	2.252E-08	3.5445E-06	3.98924E-06	2.13189E-11	2.55827E-13	1.0641E-11	4.25638E-14
121	571150.6	4178039	0.55, 41780	0.25767	0.30302	0.23363	202.30498	100.11261	284.90591	28.90071	16.95197	47.48432	7.58E-08	9.24E-05	1.54E-05	2.34E-11	7.06E-11	5.58E-11	7.1E-14	1.72E-12	9.47E-14	1.88113E-12	2.527E-08	3.4232E-06	5.13513E-06	2.39271E-11	2.87125E-13	1.19428E-11	4.77712E-14
122	571190.6	4178039	0.55, 41780	0.27122	0.30641	0.22867	194.68377	101.89225	297.80862	27.81197	16.7188	37.22608	7.42E-08	9.66E-05	1.21E-05	2.29E-11	6.91E-11	5.46E-11	6.95E-14	1.68E-12	9.27E-14	1.84121E-12	2.473E-08	3.5782E-06	4.02592E-06	2.34194E-11	2.81033E-13	1.16894E-11	4.67576E-14
123	571230.6	4178039	0.55, 41780	0.28804	0.31092	0.2326	196.84209	99.06119	294.63263	24.60526	16.26482	42.09038	7.55E-08	9.56E-05	1.37E-05	2.33E-11	7.03E-11	5.55E-11	7.07E-14	1.71E-12	9.43E-14	1.87286E-12	2.516E-08	3.5401E-06	4.55178E-06	2.3822E-11	2.85863E-13	1.18903E-11	4.75612E-14
124	571270.6	4178039	0.55, 41780	0.31661	0.32283	0.24843	191.8709	85.51951	280.99547	23.98386	14.63938	35.12443	8.06E-08	9.12E-05	1.14E-05	2.49E-11	7.51E-11	5.93E-11	7.55E-14	1.82E-12	1.01E-13	2.0003E-12	2.687E-08	3.3762E-06	3.79856E-06	2.5443E-11	3.05316E-13	1.26994E-11	5.07976E-14
125	571310.6	4178039	0.55, 41780	0.35598	0.34149	0.26147	189.38373	68.10225	290.04443	23.67297	13.72977	36.25555	8.48E-08	9.41E-05	1.18E-05	2.62E-11	7.91E-11	6.24E-11	7.95E-14	1.92E-12	1.06E-13	2.10531E-12	2.828E-08	3.4848E-06	3.92086E-06	2.67786E-11	3.21343E-13	1.33661E-11	5.34642E-14
126	571350.6	4178039	0.55, 41780	0.39399	0.35989	0.2835	182.95784	62.01914	299.45287	22.86973	11.81322	37.43161	9.2E-08	9.71E-05	1.21E-05	2.84E-11	8.57E-11	6.77E-11	8.62E-14	2.08E-12	1.15E-13	2.28267E-12	3.066E-08	3.5979E-06	4.048E-06	2.90346E-11	3.48415E-13	1.44921E-11	5.79683E-14
127	571390.6	4178039	0.55, 41780	0.4222	0.3733	0.32107	164.47464	56.17724	258.72398	20.55933	10.13431	32.3405	1.04E-07	8.39E-05	1.05E-05	3.21E-11	9.71E-11	7.67E-11	9.76E-14	2.36E-12	1.3E-13	2.5851E-12	3.473E-08	3.1085E-06	3.49745E-06	3.28814E-11	3.94576E-13	1.64121E-11	6.56485E-14
128	571430.6	4178039	0.55, 41780	0.44026	0.38105	0.3744	146.31006	45.8458	221.86738	18.28876	9.60517	27.73342	1.21E-07	7.2E-05	9E-06	3.75E-11	1.13E-10	8.94E-11	1.14E-13	2.75E-12	1.52E-13	3.01437E-12	4.049E-08	2.6657E-06	2.99924E-06	3.83415E-11	4.60097E-13	1.91374E-11	7.65498E-14
129	571470.6	4178039	0.55, 41780	0.44344	0.3799	0.42037	134.05635	35.96521	154.66668	16.75704	8.42199	19.33334	1.36E-07	5.02E-05	6.27E-06	4.21E-11	1.27E-10	1E-10	1.28E-13	3.09E-12	1.7E-13	3.38437E-12	4.546E-08	1.8583E-06	2.09093E-06	4.30478E-11	5.16573E-13	2.14865E-11	8.59461E-14
130	571510.6	4178039	0.55, 41780	0.43369	0.37075	0.44522	135.2804	26.4112	176.84451	16.91005	8.14543	22.10556	1.44E-07	5.74E-05	7.17E-06	4.46E-11	1.35E-10	1.06E-10	1.35E-13	3.27E-12	1.8E-13	3.58437E-12	4.815E-08	2.1247E-06	2.39068E-06	4.55916E-11	5.471E-13	2.27562E-11	9.1025E-14
131	571550.6	4178039	0.55, 41780	0.4157	0.35641	0.44493	128.00174	25.24959	172.96462	16.00022	7.84928	21.62058	1.44E-07	5.61E-05	7.01E-06	4.45E-11	1.35E-10	1.06E-10	1.35E-13	3.27E-12	1.8E-13	3.582E-12	4.812E-08	2.0781E-06	2.33821E-06	4.55615E-11	5.46738E-13	2.27412E-11	9.09649E-14
132	571590.6	4178039	0.55, 41780	0.38889	0.33646	0.4222	114.21376	28.264	151.26331	14.27672	7.21894	18.90791	1.37E-07	4.91E-05	6.13E-06	4.23E-11	1.28E-10	1.01E-10	1.28E-13	3.1E-12	1.71E-13	3.39901E-12	4.566E-08	1.8174E-06	2.04485E-06	4.32339E-11	5.18807E-13	2.15794E-11	8.63177E-14
133	570310.6	4178079	0.55, 41780	0.09792	0.07296	0.09477	71.40728	28.01469	77.09789	8.92591	4.66912	9.63724	3.07E-08	2.5E-05	3.13E-06	9.49E-12	2.86E-11	2.26E-11	2.88E-14	6.96E-13	3.84E-14	7.62962E-13	1.025E-08	9.2636E-07	1.0423E-06	9.70455E-12	1.16455E-13	4.84385E-12	1.93754E-14
134	570350.6	4178079	0.55, 41780	0.1067	0.08065	0.10312	70.03301	29.10671	80.22931	8.75413	4.85112	10.02866	3.35E-08	2.6E-05	3.25E-06	1.03E-11	3.12E-11	2.46E-11	3.13E-14	7.57E-13	4.18E-14	8.30188E-13	1.115E-08	9.6398E-07	1.08462E-06	1.05596E-11	1.26716E-13	5.27065E-12	2.10826E-14
135	570390.6	4178079	0.55, 41780	0.11641	0.08948	0.11242	73.93226	30.15719	77.81828	9.24153	5.0262	9.72728	3.65E-08	2.52E-05	3.16E-06	1.13E-11	3.4E-11	2.68E-11	3.42E-14	8.25E-13	4.56E-14	9.05062E-13	1.216E-08	9.3502E-07	1.05204E-06	1.1512E-11	1.38144E-13	5.74601E-12	2.2984E-14
136	570430.6	4178079	0.55, 41780	0.12715	0.09969	0.12302	79.99098	31.34254	86.52141	9.99887	5.20891	10.81518	3.99E-08	2.81E-05	3.51E-06	1.23E-11	3.72E-11	2.94E-11	3.74E-14	9.03E-13	4.99E-14	9.90404E-13	1.33E-08	1.0396E-06	1.1697E-06	1.25975E-11	1.5117E-13	6.28782E-12	2.51513E-14
137	570470.6	4178079	0.55, 41780	0.13857	0.11144	0.13449	81.53824	32.65768	88.86509	10.19228	5.39019	11.10814	4.36E-08	2.88E-05	3.6E-06	1.35E-11	4.07E-11	3.21E-11	4.09E-14	9.87E-13	5.45E-14	1.08275E-12	1.455E-08	1.0677E-06	1.20138E-06	1.37721E-11	1.65265E-13	6.8741E-12	2.74964E-14
138	570510.6	4178079	0.55, 41780	0.15049	0.12507	0.14657	87.75299	34.11951	95.20757	10.96912	5.60116	11.90095	4.76E-08	3.09E-05	3.86E-06	1.47E-11	4.43E-11	3.5E-11	4.45E-14	1.08E-12	5.94E-14	1.18001E-12	1.585E-08	1.144E-06	1.28712E-06	1.50092E-11	1.80111E-13	7.49159E-12	2.99663E-14
139	570550.6	4178079	0.55, 41780	0.16198	0.14034	0.1583	91.64015	35.64897	104.22382	11.45502	5.99366	13.02798	5.14E-08	3.38E-05	4.23E-06	1.58E-11	4.79E-11	3.78E-11	4.81E-14	1.16E-12	6.42E-14	1.27446E-12	1.712E-08	1.2523E-06	1.409E-06	1.62106E-11	1.94527E-13	8.0912E-12	3.23648E-14
140	570590.6	4178079	0.55, 41780	0.17272	0.15744	0.16968	88.35639	37.38874	105.88084	11.57204	6.46071	13.23511	5.51E-08	3.43E-05	4.29E-06	1.7E-11	5.13E-11	4.05E-11	5.16E-14	1.25E-12	6.88E-14	1.36609E-12	1.835E-08	1.2722E-06	1.4314E-06	1.73761E-11	2.08513E-13	8.67296E-12	3.46918E-14
141	570630.6	4178079	0.55, 41780	0.1831	0.1763	0.17984	101.08083	39.23196	114.54818	12.6351	7.02353	14.31852	5.84E-08	3.72E-05	4.65E-06	1.8E-11	5.44E-11	4.29E-11	5.47E-14	1.32E-12	7.29E-14	1.44791E-12	1.945E-08	1.3763E-06	1.54857E-06	1.84168E-11	2.21001E-13	9.19239E-12	3.67696E-14
142	570670.6	4178079	0.55, 41780	0.19537	0.19687	0.18849	125.63761	41.20021	131.91916	15.7047	8.22231	16.4899	6.12E-08	4.28E-05	5.35E-06	1.89E-11	5.7E-11	4.5E-11	5.73E-14	1.38E-12	7.64E-14	1.51757E-12	2.039E-08	1.585E-06	1.78345E-06	1.93029E-11	2.31635E-13	9.63469E-12	3.85387E-14
143	570710.6	4178079	0.55, 41780	0.21241	0.21933	0.20096	144.38379	43.29239	151.59141	18.04797	9.29195	18.94893	6.52E-08	4.92E-05	6.15E-06	2.01E-11	6.08E-11	4.8E-11	6.11E-14	1.48E-12	8.14E-14	1.61799E-12	2.174E-08	1.8214E-06	2.0494E-06	2.05802E-11	2.46962E-13	1.02722E-11	4.10889E-14
144	570750.6	4178079	0.55, 41780	0.23537	0.24332	0.2221	149.96792	48.92505	154.1756	18.74599	10.23	23.04389	7.21E-08	5E-05	7.48E-06	2.22E-11	6.71E-11	5.3E-11	6.75E-14	1.63E-12	9E-14	1.7882E-12	2.402E-08	1.8525E-06	2.49219E-06	2.27451E-11	2.72941E-13	1.13528E-11	4.54113E-14
145	570790.6	4178079	0.55, 41780	0.26445	0.26867	0.24585	159.48841	56.15329	178.05216	19.93605	11.24377	22.79466	7.98E-08	5.78E-05	7.4E-06	2.46E-11	7.43E-11	5.87E-11	7.47E-14	1.81E-12	9.96E-14	1.97942E-12	2.659E-08	2.1393E-06	2.46528E-06	2.51773E-11	3.02128E-13	1.25668E-11	5.02673E-14
146	570830.6	4178079	0.55, 41780	0.30001	0.29551	0.27029	164.85959	59.75168	177.78875	20.60745	12.43332	22.22359	8.77E-08	5.77E-05	7.21E-06	2.71E-11	8.17E-11	6.45E-11	8.22E-14	1.98E-12	1.1E-13	2.17619E-12	2.923E-08	2.1362E-06	2.40355E-06	2.76803E-11	3.32163E-13	1.38161E-11	5.52644E-14
147	570870.6	4178079	0.55, 41780	0.34051	0.32416	0.30185	178.96906	63.85658	203.22306	22.37113	13.91568	25.40288	9.79E-08	6.59E-05	8.24E-06	3.02E-11	9.13E-11	7.21E-11	9.17E-14	2.22E-12	1.22E-13	2.43028E-12	3.265E-08	2.4418E-06	2.74737E-06	3.09122E-11	3.70946E-13	1.54292E-11	6.1717E-14
148	570910.6	4178079	0.55, 41780	0.37529	0.35313	0.33459	192.82824	68.49057	229.7632	24.10353	15.26079	28.7204	1.09E-07	7.45E-05	9.32E-06	3.35E-11	1.01E-10	7.99E-11	1.02E-13	2.46E-12	1.36E-13	2.69387E-12	3.619E-08	2.7606E-06	3.10613E-06	3.42649E-11	4.11178E-13	1.71027E-11	6.84108E-14
149	570950.6	4178079	0.55, 41780	0.39192	0.37725	0.35493	199.56835	75.56845	241.42387	26.9715	14.65967	30.17798	1.15E-07	7.83E-05	9.79E-06	3.55E-11	1.07E-10	8.48E-11	1.08E-13	2.61E-12	1.44E-13	2.85764E-12	3.839E-08	2.9007E-06	3.26381E-06	3.63479E-11	4.36175E-13	1.81424E-11	7.25696E-14
150	570990.6	4178079	0.55, 41780	0.38624	0.39167	0.34038	209.52387	83.72546	270.89556	31.32288	13.79848	33.86195	1.1E-07	8.79E-05	1.1E-05	3.41E-11	1.03E-10	8.13E-11	1.03E-13	2.5E-12	1.38E-13	2.74055E-12	3.682E-08	3.2548E-06	3.66227E-06	3.48586E-11	4.18304E-13	1.73991E-11	6.95963E-14
151	571030.6	4178079	0.55, 41780	0.36706	0.40059	0.31708	238.62537	94.19927	346.28961	34.73297	15.69988	52.33117	1.03E-07	0.000112	1.7E-05	3.17E-11	9.59E-11	7.57E-11	9.64E-14	2.33E-12	1.29E-13	2.55303E-12	3.43E-08	4.1607E-06	5.65937E-06	3.24734E-11	3.89681E-13	1.62085E-11	6.4834E-14
152	571070.6	4178079	0.55, 41780	0.35702	0.41066	0.29659	228.92087	105.90077	368.47625	31.45005	16.61116	46.05953	9.62E-08	0.00012	1.49E-05	2.97E-11	8.97E-11	7.08E-11	9.02E-14	2.18E-12	1.2E-13	2.38812E-12	3.208E-08	4.4272E-06	4.98115E-06	3.03759E-11	3.64511E-13	1.51616E-11	6.06463E-14
153	571110.6	4178079	0.55, 41780	0.35812	0.41418	0.29542	212.64364	104.08221	374.64105	34.6648	20.98986	46.90606	9.59E-08	0.000122	1.52E-05	2.96E-11	8.93E-11	7.06E-11	8.98E-14	2.17E-12	1.2E-13	2.37871E-12	3.195E-08	4.5013E-06	5.07278E-06	3.02562E-11	3.63074E-13	1.51018E-11	6.04073E-14
154	571150.6	4178079	0.55, 41780	0.37758	0.42317	0.31748	239.48451	117.47672	371.65504	34.21207	20.38272	60.67868	1.03E-07	0.000121	1.97E-05	3.18E-11	9.6E-11	7.58E-11	9.65E-14	2.33E-12	1.29E-13	2.55629E-12	3.434E-08	4.4655E-06	6.56194E-06	3.25149E-11	3.90179E-13	1.62292E-11	6.4917E-14
155	571190.6	4178079	0.55, 41780	0.41277	0.43447	0.31013	228.77572	115.09155	359.73847	28.66724	20.67403	44.96731	1.01E-07	0.000117	1.46E-05	3.11E-11	9.38E-11	7.41E-11	9.43E-14	2.28E-12	1.26E-13	2.49716E-12	3.355E-08	4.3223E-06	4.86297E-06	3.17628E-11	3.81154E-13	1.58539E-11	6.34154E-14
156	571230.6	4178079	0.55, 41780	0.46673	0.45732	0.33128	219.54291	100.98995	305.404	27.44286	18.56894	43.62914	1.08E-07	9.91E-05	1.42E-05	3.32E-11	1E-10	7.91E-11	1.01E-13	2.43E-12	1.34E-13	2.66746E-12	3.583E-08	3.6695E-06	4.71824E-06	3.39289E-11	4.07147E-13	1.6935E-11	6.774E-14
157	571270.6	4178079	0.55, 41780	0.53318	0.48578	0.3586	215.1929	81.06645	332.5769	26.89911	17.27973	41.57211	1.16E-07	0.000108	1.35E-05	3.59E-11	1.08E-10	8.56E-11	1.09E-13	2.63E-12	1.45E-13	2.88742E-12	3.879E-08	3.9959E-06	4.49581E-06	3.67268E-11	4.40721E-13	1.83315E-11	7.3326E-14
158	571310.6	4178079	0.55, 41780	0.58671	0.50689	0.39805	205.97464	69.75551	363.05687	25.74683	14.70822	45.38211	1.29E-07	0.000118	1.47E-05	3.99E-11	1.2E-10	9.51E-11	1.21E-13	2.92E-12	1.61E-13	3.20501E-12	4.305E-08	4.362E-06	4.90773E-06	4.07663E-11	4.89196E-13	2.03478E-11	8.13911E-14
159	571350.6	4178079	0.55, 41780	0.61439	0.51569	0.46686	184.46358	62.8789	316.33591	23.05795	12.5762	39.54199	1.51E-07	0.000103	1.28E-05	4.67E-11	1.41E-10	1.11E-10	1.42E-13	3.43E-12	1.89E-13	3.75888E-12	5.05E-08	3.8007E-06	4.27619E-06	4.78113E-11	5.73735E-13	2.38641E-11	9.54566E-14
160	571390.6	4178079	0.55, 41780	0.61879	0.51229	0.54521	162.6235	50.78632	251.98298	20.32794	11.67282	31.49787	1.77E-07	8.17E-05	1.02E-05	5.46E-11	1.65E-10	1.3E-10	1.66E-13	4E-12	2.21E-13	4.3895E-12	5.897E-08	3.0275E-06	3.40633E-06	5.58326E-11	6.69991E-13	2.78678E-11	1.11471E-13
161	571430.6	4178079	0.55, 41780	0.60477	0.49855	0.60294	157.24404	39.05995	207.2573	19.65551	9.99401	25.90716	1.96E-07	6.72E-05	8.41E-06	6.04E-11	1.82E-10	1.44E-10	1.83E-13	4.43E-12	2.44E-13	4.85414E-12	6.521E-08	2.4901E-06	2.80181E-06	6.17425E-11	7.4091E-13	3.08177E-11	1.23271E-13
162	571470.6	4178079	0.55, 41780	0.57311	0.47467	0.61341	152.07991	30.59352	215.52596	19.00999	9.68796	26.94074	1.99E-07	6.99E-05	8.74E-06	6.14E-11	1.85E-10	1.46E-10	1.86E-13	4.5E-12	2.49E-13	4.93835E-12	6.634E-08	2.5895E-06	2.91355E-06	6.28137E-11	7.53765E-13	3.13523E-11	1.25409E-13
163	571510.6	4178079	0.55, 41780	0.53465	0.44658	0.58613	137.55383	33.88214	191.36045	17.19423	8.95455	23.92006	1.9E-07	6.21E-05	7.76E-06	5.87E-11	1.77E-10	1.4E-10	1.78E-13	4.3E-12	2.38E-13	4.71872E-12	6.339E-08	2.2991E-06	2.58688E-06	6.002E-11	7.2024E-13	2.99579E-11	1.19832E-13
164	571550.6	4178079	0.55, 41780	0.48548	0.41212	0.53241	120.13532	36.07438	157.49519	15.01691	7.90342	19.6869	1.73E-07	5.11E-05	6.39E-06	5.33E-11	1.61E-10	1.27E-10	1.62E-13	3.91E-12	2.16E-13	4.28625E-12	5.758E-08	1.8923E-06	2.1291E-06	5.45192E-11	6.54231E-13	2.72123E-11	1.08849E-13
165	571590.6	4178079	0.55, 41780	0.43445	0.37558	0.47142	108.95419	37.19094	141.55637	13.61927	6.74143	17.69455	1.53E-07	4.59E-05	5.74E-06	4.72E-11	1.43E-10	1.13E-10	1.43E-13	3.46E-12	1.91E-13	3.79526E-12	5.098E-08	1.7008E-06	1.91364E-06	4.82741E-11	5.79289E-13	2.40951E-11	9.63805E-14
166	570310.6	4178119	0.55, 41781	0.10149	0.07442	0.09774	69.0748	28.05035	78.28908	8.63435	4.67506	9.78613	3.17E-08	2.54E-05	3.18E-06	9.79E-12	2.95E-11	2.33E-11	2.97E-14	7.18E-13	3.96E-14	7.86871E-13	1.057E-08	9.4067E-07	1.05839E-06	1.00087E-11	1.20104E-13	4.99564E-12	1.99826E-14
167	570350.6	4178119	0.55, 41781	0.11138	0.08273	0.10725	79.07973	29.62524	82.98136	9.88497	4.93754	10.37267	3.48E-08	2.69E-05	3.37E-06	1.07E-11	3.24E-11	2.56E-11	3.26E-14	7.87E-13	4.35E-14	8.63435E-13	1.16E-08	9.9705E-07	1.12184E-06	1.09825E-11	1.3179E-13	5.48173E-12	2.19269E-14
168	570390.6	4178119	0.55, 41781	0.12249	0.09237	0.11775	81.81771	30.97041	92.38822	10.22721	5.16174	11.54853	3.82E-08	3E-05	3.75E-06	1.18E-11	3.56E-11	2.81E-11	3.58E-14	8.64E-13	4.77E-14	9.4797E-13	1.273E-08	1.1101E-06	1.249E-06	1.20578E-11	1.44693E-13	6.01842E-12	2.40737E-14
169	570430.6	4178119	0.55, 41781	0.13492	0.10362	0.12964	81.48606	32.23138	89.13007	10.18576	5.3719	11.14126	4.21E-08	2.89E-05	3.61E-06	1.3E-11	3.92E-11	3.1E-11	3.94E-14	9.52E-13	5.25E-14	1.0437E-12	1.402E-08	1.0709E-06	1.20496E-06	1.32754E-11	1.59304E-13	6.62616E-12	2.65047E-14
170	570470.6	4178119	0.55, 41781	0.14882	0.11683	0.14311	90.82614	33.6686	97.62505	11.35327	5.5932	12.20313	4.64E-08	3.17E-05	3.96E-06	1.43E-11	4.33E-11	3.42E-11	4.35E-14	1.05E-12	5.8E-14	1.15215E-12	1.548E-08	1.173E-06	1.31981E-06	1.46548E-11	1.75857E-13	7.31467E-12	2.92587E-14
171	570510.6	4178119	0.55, 41781	0.16361	0.13228	0.15796	92.34034	35.20886	102.68913	11.54254	5.82093	12.83614	5.13E-08	3.33E-05	4.16E-06	1.58E-11	4.78E-11	3.77E-11	4.8E-14	1.16E-12	6.4E-14	1.27171E-12	1.708E-08	1.2338E-06	1.38826E-06	1.61755E-11	1.94107E-13	8.07373E-12	3.22949E-14
172	570550.6	4178119	0.55, 41781	0.17911	0.1505	0.17388	100.11195	36.92243	110.21215	12.51399	6.33987	13.77652	5.64E-08	3.58E-05	4.47E-06	1.74E-11	5.26E-11	4.15E-11	5.28E-14	1.28E-12	7.05E-14	1.39988E-12	1.881E-08	1.3242E-06	1.48997E-06	1.78059E-11	2.13671E-13	8.8875E-12	3.555E-14
173	570590.6	4178119	0.55, 41781	0.19374	0.17125	0.18923	103.74737	38.76233	121.67682	12.96842	6.89651	15.2096	6.14E-08	3.95E-05	4.93E-06	1.89E-11	5.72E-11	4.52E-11	5.75E-14	1.39E-12	7.67E-14	1.52348E-12	2.047E-08	1.462E-06	1.64493E-06	1.9378E-11	2.32536E-13	9.67218E-12	3.86887E-14
174	570630.6	4178119	0.55, 41781	0.2069	0.19483	0.20326	104.63966	41.01094	121.05227	13.84797	7.49161	15.13153	6.6E-08	3.93E-05	4.91E-06	2.04E-11	6.14E-11	4.85E-11	6.18E-14	1.49E-12	8.24E-14	1.63646E-12	2.198E-08	1.4545E-06	1.63652E-06	2.0815E-11	2.4978E-13	1.03894E-11	4.15577E-14
175	570670.6	4178119	0.55, 41781	0.21998	0.22122	0.21442	115.58367	43.51142	138.36153	15.0671	8.60459	17.29519	6.96E-08	4.49E-05	5.61E-06	2.15E-11	6.48E-11	5.12E-11	6.52E-14	1.57E-12	8.69E-14	1.72634E-12	2.319E-08	1.6624E-06	1.8705E-06	2.19583E-11	2.63499E-13	1.09601E-11	4.38403E-14
176	570710.6	4178119	0.55, 41781	0.23703	0.25104	0.22497	127.12041	45.98226	134.54184	16.41254	9.96819	16.81773	7.3E-08	4.36E-05	5.46E-06	2.25E-11	6.8E-11	5.37E-11	6.84E-14	1.65E-12	9.12E-14	1.81132E-12	2.433E-08	1.6166E-06	1.81891E-06	2.30391E-11	2.7647E-13	1.14996E-11	4.59983E-14
177	570750.6	4178119	0.55, 41781	0.26187	0.28441	0.24496	163.41699	49.64069	173.69321	20.42712	11.18287	24.67477	7.95E-08	5.63E-05	8.01E-06	2.45E-11	7.41E-11	5.85E-11	7.45E-14	1.8E-12	9.93E-14	1.97228E-12	2.649E-08	2.0869E-06	2.66858E-06	2.50866E-11	3.01039E-13	1.25215E-11	5.00861E-14
178	570790.6	4178119	0.55, 41781	0.29707	0.32177	0.27572	189.30326	59.79186	203.13563	23.66291	12.3939	25.39195	8.95E-08	6.59E-05	8.24E-06	2.76E-11	8.34E-11	6.58E-11	8.38E-14	2.02E-12	1.12E-13	2.21995E-12	2.982E-08	2.4407E-06	2.74622E-06	2.82368E-11	3.38842E-13	1.40939E-11	5.63756E-14
179	570830.6	4178119	0.55, 41781	0.34574	0.3643	0.31009	193.11502	64.55328	210.79637	24.13938	13.76558	26.34955	1.01E-07	6.84E-05	8.55E-06	3.1E-11	9.37E-11	7.41E-11	9.43E-14	2.28E-12	1.26E-13	2.49669E-12	3.354E-08	2.5328E-06	2.84978E-06	3.17568E-11	3.81081E-13	1.58508E-11	6.34033E-14
180	570870.6	4178119	0.55, 41781	0.41228	0.41342	0.35667	202.8381	69.60981	241.64288	25.35476	15.49628	31.6123	1.16E-07	7.84E-05	1.03E-05	3.57E-11	1.08E-10	8.52E-11	1.08E-13	2.62E-12	1.45E-13	2.87172E-12	3.858E-08	2.9034E-06	3.41885E-06	3.6527E-11	4.38324E-13	1.82318E-11	7.29272E-14
181	570910.6	4178119	0.55, 41781	0.49003	0.46844	0.41739	224.50761	75.3478	268.49725	28.06345	17.99511	33.56216	1.35E-07	8.71E-05	1.09E-05	4.18E-11	1.26E-10	9.97E-11	1.27E-13	3.06E-12	1.69E-13	3.36058E-12	4.514E-08	3.226E-06	3.62976E-06	4.27451E-11	5.12941E-13	2.13354E-11	8.53417E-14
182	570950.6	4178119	0.55, 41781	0.55455	0.52056	0.48015	237.44511	82.6149	307.44591	31.19836	20.61697	38.43074	1.56E-07	9.97E-05	1.25E-05	4.81E-11	1.45E-10	1.15E-10	1.46E-13	3.53E-12	1.95E-13	3.86584E-12	5.193E-08	3.694E-06	4.15627E-06	4.91719E-11	5.90062E-13	2.45432E-11	9.8173E-14
183	570990.6	4178119	0.55, 41781	0.59019	0.56679	0.49805	260.70129	98.30209	347.94815	39.14578	18.7176	43.49352	1.62E-07	0.000113	1.41E-05	4.99E-11	1.51E-10	1.19E-10	1.51E-13	3.66E-12	2.02E-13	4.01002E-12	5.387E-08	4.1806E-06	4.70393E-06	5.10057E-11	6.12068E-13	2.54586E-11	1.01834E-13
184	571030.6	4178119	0.55, 41781	0.58003	0.59593	0.46436	288.08817	110.38847	394.82286	43.41155	19.84321	60.28631	1.51E-07	0.000128	1.96E-05	4.65E-11	1.4E-10	1.11E-10	1.41E-13	3.41E-12	1.88E-13	3.73891E-12	5.023E-08	4.7438E-06	6.51978E-06	4.75573E-11	5.70687E-13	2.37374E-11	9.49494E-14
185	571070.6	4178119	0.55, 41781	0.56003	0.61401	0.43624	281.59163	124.26135	479.69295	39.26934	23.95732	65.06151	1.42E-07	0.000156	2.11E-05	4.37E-11	1.32E-10	1.04E-10	1.33E-13	3.2E-12	1.77E-13	3.5126E-12	4.719E-08	5.7635E-06	7.03598E-06	4.46788E-11	5.36145E-13	2.23006E-11	8.92024E-14
186	571110.6	4178119	0.55, 41781	0.57497	0.62965	0.42923	279.23237	138.16088	507.21032	41.39356	27.39628	63.69191	1.39E-07	0.000165	2.07E-05	4.3E-11	1.3E-10	1.03E-10	1.3E-13	3.15E-12	1.74E-13	3.45621E-12	4.643E-08	6.0941E-06	6.88796E-06	4.39615E-11	5.27539E-13	2.19426E-11	8.77704E-14
187	571150.6	4178119	0.55, 41781	0.64473	0.65929	0.45591	273.06399	137.55558	506.75735	37.77228	27.34359	77.75635	1.48E-07	0.000164	2.52E-05	4.57E-11	1.38E-10	1.09E-10	1.39E-13	3.35E-12	1.85E-13	3.67103E-12	4.932E-08	6.0887E-06	8.40858E-06	4.6694E-11	5.60327E-13	2.33064E-11	9.32258E-14
188	571190.6	4178119	0.55, 41781	0.76806	0.70549	0.46182	260.36357	120.74038	479.78233	32.90288	24.49294	68.54033	1.5E-07	0.000156	2.22E-05	4.62E-11	1.4E-10	1.1E-10	1.4E-13	3.39E-12	1.87E-13	3.71872E-12	4.996E-08	5.7645E-06	7.41194E-06	4.73005E-11	5.67606E-13	2.36092E-11	9.44368E-14
189	571230.6	4178119	0.55, 41781	0.88147	0.74364	0.51839	250.38438	100.21062	435.42985	31.29805	22.32262	54.42873	1.68E-07	0.000141	1.77E-05	5.19E-11	1.57E-10	1.24E-10	1.58E-13	3.81E-12	2.1E-13	4.17415E-12	5.607E-08	5.2316E-06	5.88607E-06	5.30934E-11	6.37121E-13	2.65006E-11	1.06002E-13
190	571270.6	4178119	0.55, 41781	0.94057	0.75526	0.59724	235.31349	80.57107	462.41399	29.41419	18.81416	57.80175	1.94E-07	0.00015	1.88E-05	5.98E-11	1.81E-10	1.43E-10	1.82E-13	4.39E-12	2.42E-13	4.80884E-12	6.46E-08	5.5557E-06	6.25072E-06	6.11664E-11	7.33997E-13	3.05301E-11	1.2212E-13
191	571310.6	4178119	0.55, 41781	0.94266	0.74202	0.72716	211.76846	71.48368	401.12341	26.47106	15.9259	50.14043	2.36E-07	0.00013	1.63E-05	7.28E-11	2.2E-10	1.74E-10	2.21E-13	5.34E-12	2.95E-13	5.85453E-12	7.865E-08	4.8194E-06	5.42225E-06	7.44671E-11	8.93605E-13	3.71689E-11	1.48676E-13
192	571350.6	4178119	0.55, 41781	0.90909	0.71255	0.85266	184.59351	57.17412	286.57244	23.07419	14.42847	35.82155	2.77E-07	9.3E-05	1.16E-05	8.54E-11	2.58E-10	2.04E-10	2.59E-13	6.26E-12	3.46E-13	6.8646E-12	9.222E-08	3.4431E-06	3.87391E-06	8.73148E-11	1.04778E-12	4.35816E-11	1.74326E-13
193	571390.6	4178119	0.55, 41781	0.85308	0.67145	0.90336	182.88204	42.90716	275.98695	22.86025	12.27464	34.49837	2.93E-07	8.95E-05	1.12E-05	9.04E-11	2.73E-10	2.16E-10	2.75E-13	6.63E-12	3.66E-13	7.27259E-12	9.77E-08	3.3159E-06	3.73084E-06	9.25042E-11	1.11005E-12	4.61718E-11	1.84687E-13
194	571430.6	4178119	0.55, 41781	0.78	0.62166	0.86624	169.0522	41.64549	252.50347	21.13153	11.39175	31.56293	2.81E-07	8.19E-05	1.02E-05	8.67E-11	2.62E-10	2.07E-10	2.63E-13	6.36E-12	3.51E-13	6.9737E-12	9.368E-08	3.0337E-06	3.41339E-06	8.87024E-11	1.06443E-12	4.42742E-11	1.77097E-13
195	571470.6	4178119	0.55, 41781	0.69763	0.567	0.77646	144.82238	43.55007	199.26025	18.1028	10.0864	24.90753	2.52E-07	6.46E-05	8.08E-06	7.77E-11	2.35E-10	1.85E-10	2.36E-13	5.7E-12	3.15E-13	6.25094E-12	8.397E-08	2.3941E-06	2.69368E-06	7.95093E-11	9.54111E-13	3.96856E-11	1.58742E-13
196	571510.6	4178119	0.55, 41781	0.61632	0.51188	0.67545	129.07456	44.20691	173.84445	16.93315	8.5721	21.73056	2.19E-07	5.64E-05	7.05E-06	6.76E-11	2.04E-10	1.61E-10	2.05E-13	4.96E-12	2.74E-13	5.43779E-12	7.305E-08	2.0887E-06	2.35013E-06	6.91664E-11	8.29996E-13	3.45231E-11	1.38093E-13
197	571550.6	4178119	0.55, 41781	0.53701	0.45659	0.57828	116.13448	43.6354	149.52645	16.99831	7.6971	20.20244	1.88E-07	4.85E-05	6.55E-06	5.79E-11	1.75E-10	1.38E-10	1.76E-13	4.25E-12	2.34E-13	4.65555E-12	6.254E-08	1.7966E-06	2.18491E-06	5.92166E-11	7.10599E-13	2.95569E-11	1.18228E-13
198	571590.6	4178119	0.55, 41781	0.46599	0.40463	0.49394	103.06511	42.01095	133.93422	16.60125	6.75955	20.50745	1.6E-07	4.34E-05	6.65E-06	4.95E-11	1.49E-10	1.18E-10	1.5E-13	3.63E-12	2E-13	3.97659E-12	5.342E-08	1.6092E-06	2.21787E-06	5.05805E-11	6.06966E-13	2.52463E-11	1.00985E-13
199	570310.6	4178159	0.55, 41781	0.10452	0.07557	0.10002	83.14681	27.07322	89.45551	10.39335	4.47805	11.18194	3.25E-08	2.9E-05	3.63E-06	1E-11	3.02E-11	2.39E-11	3.04E-14	7.34E-13	4.05E-14	8.05226E-13	1.082E-08	1.0748E-06	1.20936E-06	1.02421E-11	1.22905E-13	5.11217E-12	2.04487E-14
200	570350.6	4178159	0.55, 41781	0.1156	0.08446	0.11071	83.51332	29.37807	93.62995	10.43917	4.89635	11.70374	3.59E-08	3.04E-05	3.8E-06	1.11E-11	3.35E-11	2.64E-11	3.36E-14	8.13E-13	4.49E-14	8.91289E-13	1.197E-08	1.125E-06	1.26578E-06	1.13368E-11	1.36042E-13	5.65856E-12	2.26342E-14
201	570390.6	4178159	0.55, 41781	0.12828	0.09489	0.12282	85.72091	31.44775	90.10823	10.71511	5.24129	11.26353	3.98E-08	2.92E-05	3.65E-06	1.23E-11	3.71E-11	2.93E-11	3.73E-14	9.02E-13	4.98E-14	9.88785E-13	1.328E-08	1.0827E-06	1.21819E-06	1.25769E-11	1.50923E-13	6.27754E-12	2.51102E-14
202	570430.6	4178159	0.55, 41781	0.14269	0.1072	0.13639	94.53138	33.159	104.73347	11.81642	5.5265	13.09168	4.43E-08	3.4E-05	4.25E-06	1.37E-11	4.12E-11	3.26E-11	4.15E-14	1E-12	5.53E-14	1.09804E-12	1.475E-08	1.2584E-06	1.4159E-06	1.39665E-11	1.67599E-13	6.97115E-12	2.78846E-14
203	570470.6	4178159	0.55, 41781	0.15906	0.12183	0.15182	91.68652	34.69147	109.10852	11.46082	5.78191	13.63857	4.93E-08	3.54E-05	4.43E-06	1.52E-11	4.59E-11	3.63E-11	4.61E-14	1.11E-12	6.15E-14	1.22226E-12	1.642E-08	1.311E-06	1.47502E-06	1.55467E-11	1.8656E-13	7.75984E-12	3.10393E-14
204	570510.6	4178159	0.55, 41781	0.17738	0.13933	0.16931	103.8828	36.49731	110.76271	12.98535	6.04456	13.84534	5.49E-08	3.59E-05	4.49E-06	1.7E-11	5.12E-11	4.04E-11	5.15E-14	1.24E-12	6.86E-14	1.36308E-12	1.831E-08	1.3308E-06	1.49742E-06	1.73378E-11	2.08053E-13	8.65383E-12	3.46153E-14
205	570550.6	4178159	0.55, 41781	0.19733	0.16029	0.18927	106.21161	38.46337	121.82569	13.27645	6.62676	15.22821	6.14E-08	3.95E-05	4.94E-06	1.89E-11	5.72E-11	4.52E-11	5.75E-14	1.39E-12	7.67E-14	1.52378E-12	2.047E-08	1.4638E-06	1.64695E-06	1.93818E-11	2.32582E-13	9.67409E-12	3.86963E-14
206	570590.6	4178159	0.55, 41781	0.21794	0.18524	0.21062	115.65264	40.48441	129.80552	14.45658	7.37316	16.22569	6.83E-08	4.21E-05	5.26E-06	2.11E-11	6.37E-11	5.03E-11	6.4E-14	1.55E-12	8.54E-14	1.69568E-12	2.278E-08	1.5596E-06	1.75484E-06	2.15683E-11	2.5882E-13	1.07654E-11	4.30617E-14
207	570630.6	4178159	0.55, 41781	0.23707	0.21436	0.23118	118.44365	42.79741	144.28442	14.80546	8.08317	18.03555	7.5E-08	4.68E-05	5.85E-06	2.31E-11	6.99E-11	5.52E-11	7.03E-14	1.7E-12	9.37E-14	1.86123E-12	2.5E-08	1.7336E-06	1.95054E-06	2.3674E-11	2.84088E-13	1.18164E-11	4.72658E-14
208	570670.6	4178159	0.55, 41781	0.25383	0.24795	0.24882	124.95922	45.84094	144.90734	15.6199	8.90031	18.11342	8.07E-08	4.7E-05	5.88E-06	2.49E-11	7.52E-11	5.94E-11	7.56E-14	1.83E-12	1.01E-13	2.00328E-12	2.691E-08	1.7411E-06	1.95899E-06	2.54808E-11	3.0577E-13	1.27183E-11	5.08732E-14
209	570710.6	4178159	0.55, 41781	0.27135	0.28697	0.26135	131.25248	49.29697	162.49426	17.47805	10.6966	20.31178	8.48E-08	5.27E-05	6.59E-06	2.62E-11	7.9E-11	6.24E-11	7.94E-14	1.92E-12	1.06E-13	2.10421E-12	2.827E-08	1.9524E-06	2.19674E-06	2.67647E-11	3.21176E-13	1.33591E-11	5.34364E-14
210	570750.6	4178159	0.55, 41781	0.29528	0.33222	0.27619	146.48828	52.90094	155.94977	21.86848	12.23914	22.93785	8.96E-08	5.06E-05	7.44E-06	2.77E-11	8.35E-11	6.6E-11	8.4E-14	2.03E-12	1.12E-13	2.22375E-12	2.987E-08	1.8738E-06	2.48082E-06	2.82852E-11	3.39422E-13	1.4118E-11	5.64722E-14
211	570790.6	4178159	0.55, 41781	0.33253	0.38536	0.30655	168.4296	63.37031	207.44804	22.18934	13.75991	31.3643	9.95E-08	6.73E-05	1.02E-05	3.07E-11	9.27E-11	7.32E-11	9.32E-14	2.25E-12	1.24E-13	2.46823E-12	3.316E-08	2.4925E-06	3.39194E-06	3.13949E-11	3.76738E-13	1.56702E-11	6.26807E-14
212	570830.6	4178159	0.55, 41781	0.39122	0.44987	0.34708	226.40986	70.88867	244.94075	28.30123	15.58224	30.61759	1.13E-07	7.95E-05	9.93E-06	3.48E-11	1.05E-10	8.29E-11	1.06E-13	2.55E-12	1.41E-13	2.7946E-12	3.754E-08	2.943E-06	3.31139E-06	3.55461E-11	4.26553E-13	1.77422E-11	7.09687E-14
213	570870.6	4178159	0.55, 41781	0.48272	0.53035	0.408	262.06298	76.1106	293.39264	32.75787	17.58972	36.67408	1.32E-07	9.52E-05	1.19E-05	4.09E-11	1.23E-10	9.74E-11	1.24E-13	3E-12	1.65E-13	3.28512E-12	4.413E-08	3.5251E-06	3.96638E-06	4.17853E-11	5.01423E-13	2.08564E-11	8.34255E-14
214	570910.6	4178159	0.55, 41781	0.61652	0.63133	0.50366	261.24493	84.17228	335.42472	32.65562	20.33398	41.92809	1.63E-07	0.000109	1.36E-05	5.04E-11	1.52E-10	1.2E-10	1.53E-13	3.7E-12	2.04E-13	4.05531E-12	5.448E-08	4.0301E-06	4.53447E-06	5.15817E-11	6.18981E-13	2.57461E-11	1.02984E-13
215	570950.6	4178159	0.55, 41781	0.78722	0.75662	0.63069	286.12528	93.97029	373.71712	38.09436	25.30252	46.71464	2.05E-07	0.000121	1.52E-05	6.32E-11	1.91E-10	1.51E-10	1.92E-13	4.63E-12	2.56E-13	5.07805E-12	6.822E-08	4.4902E-06	5.05218E-06	6.45906E-11	7.75087E-13	3.22392E-11	1.28957E-13
216	570990.6	4178159	0.55, 41781	0.95557	0.89576	0.74297	303.7283	113.02353	445.40224	49.39935	30.83627	55.67528	2.41E-07	0.000144	1.81E-05	7.44E-11	2.25E-10	1.77E-10	2.26E-13	5.46E-12	3.01E-13	5.98209E-12	8.036E-08	5.3515E-06	6.02139E-06	7.60896E-11	9.13076E-13	3.79788E-11	1.51915E-13
217	571030.6	4178159	0.55, 41781	1.0701	1.00768	0.7637	365.27865	135.92516	512.48146	63.89384	29.33742	70.31034	2.48E-07	0.000166	2.28E-05	7.65E-11	2.31E-10	1.82E-10	2.32E-13	5.61E-12	3.1E-13	6.14919E-12	8.261E-08	6.1575E-06	7.60425E-06	7.82151E-11	9.38581E-13	3.90397E-11	1.56159E-13
218	571070.6	4178159	0.55, 41781	1.06935	1.07923	0.71312	382.13438	155.20031	662.82772	54.74849	37.25068	94.68967	2.31E-07	0.000215	3.07E-05	7.14E-11	2.16E-10	1.7E-10	2.17E-13	5.24E-12	2.89E-13	5.74222E-12	7.714E-08	7.9638E-06	1.024E-05	7.30386E-11	8.76463E-13	3.64559E-11	1.45824E-13
219	571110.6	4178159	0.55, 41781	1.19831	1.16386	0.6846	373.85472	174.62021	736.75515	53.40782	39.37776	93.09067	2.22E-07	0.000239	3.02E-05	6.86E-11	2.07E-10	1.64E-10	2.08E-13	5.03E-12	2.78E-13	5.51286E-12	7.406E-08	8.852E-06	1.00671E-05	7.01213E-11	8.41455E-13	3.49998E-11	1.39999E-13
220	571150.6	4178159	0.55, 41781	1.53671	1.26322	0.72724	331.2731	149.81574	693.97089	50.26616	34.67292	96.78528	2.36E-07	0.000225	3.14E-05	7.28E-11	2.2E-10	1.74E-10	2.21E-13	5.34E-12	2.95E-13	5.85634E-12	7.867E-08	8.3379E-06	1.04665E-05	7.44902E-11	8.93882E-13	3.71804E-11	1.48722E-13
221	571190.6	4178159	0.55, 41781	1.71324	1.27647	0.80447	303.51531	125.05743	565.89383	43.45807	29.97586	80.84198	2.61E-07	0.000184	2.62E-05	8.06E-11	2.43E-10	1.92E-10	2.45E-13	5.91E-12	3.26E-13	6.47803E-12	8.702E-08	6.7991E-06	8.74238E-06	8.23977E-11	9.88772E-13	4.11273E-11	1.64509E-13
222	571230.6	4178159	0.55, 41781	1.67997	1.21931	0.99011	277.00255	96.22407	622.39581	36.53844	24.95569	77.79948	3.21E-07	0.000202	2.52E-05	9.91E-11	2.99E-10	2.36E-10	3.01E-13	7.27E-12	4.01E-13	7.97211E-12	1.071E-07	7.4778E-06	8.4132E-06	1.01402E-10	1.21682E-12	5.06128E-11	2.02451E-13
223	571270.6	4178159	0.55, 41781	1.56347	1.13234	1.265	251.98402	83.18585	536.39129	31.498	20.71301	67.04891	4.1E-07	0.000174	2.18E-05	1.27E-10	3.82E-10	3.02E-10	3.84E-13	9.29E-12	5.13E-13	1.01845E-11	1.368E-07	6.4445E-06	7.25064E-06	1.29542E-10	1.55451E-12	6.46586E-11	2.58634E-13
224	571310.6	4178159	0.55, 41781	1.42012	1.03692	1.45126	223.09845	65.85457	360.16353	27.88731	18.21453	45.02044	4.71E-07	0.000117	1.46E-05	1.45E-10	4.39E-10	3.47E-10	4.41E-13	1.07E-11	5.88E-13	1.16834E-11	1.57E-07	4.3273E-06	4.86869E-06	1.48608E-10	1.7833E-12	7.41752E-11	2.96701E-13
225	571350.6	4178159	0.55, 41781	1.26306	0.93714	1.42084	212.7442	53.05659	355.96566	26.59303	15.01468	44.49571	4.61E-07	0.000115	1.44E-05	1.42E-10	4.3E-10	3.39E-10	4.32E-13	1.04E-11	5.76E-13	1.14384E-11	1.537E-07	4.2768E-06	4.81192E-06	1.45491E-10	1.74589E-12	7.26192E-11	2.90477E-13
226	571390.6	4178159	0.55, 41781	1.10199	0.83709	1.24864	185.92823	54.01949	274.01244	23.24103	13.29114	34.25155	4.05E-07	8.89E-05	1.11E-05	1.25E-10	3.77E-10	2.98E-10	3.79E-13	9.17E-12	5.06E-13	1.00521E-11	1.35E-07	3.2922E-06	3.70416E-06	1.27858E-10	1.5343E-12	6.38182E-11	2.55273E-13
227	571430.6	4178159	0.55, 41781	0.9418	0.73869	1.04204	159.26436	53.60229	222.79179	21.61583	11.2268	27.84897	3.38E-07	7.23E-05	9.04E-06	1.04E-10	3.15E-10	2.49E-10	3.17E-13	7.65E-12	4.22E-13	8.38897E-12	1.127E-07	2.6768E-06	3.01183E-06	1.06704E-10	1.28045E-12	5.32594E-11	2.13038E-13
228	571470.6	4178159	0.55, 41781	0.79447	0.64516	0.85663	139.92539	51.85557	187.30754	21.06215	9.90602	27.91527	2.78E-07	6.08E-05	9.06E-06	8.58E-11	2.59E-10	2.05E-10	2.6E-13	6.29E-12	3.47E-13	6.8964E-12	9.264E-08	2.2505E-06	3.01898E-06	8.77192E-11	1.05263E-12	4.37835E-11	1.75134E-13
229	571510.6	4178159	0.55, 41781	0.67282	0.56206	0.7111	120.25585	49.92459	159.61818	19.96311	8.50885	26.60303	2.31E-07	5.18E-05	8.63E-06	7.12E-11	2.15E-10	1.7E-10	2.16E-13	5.22E-12	2.88E-13	5.72485E-12	7.691E-08	1.9178E-06	2.87706E-06	7.28176E-11	8.73811E-13	3.63456E-11	1.45382E-13
230	571550.6	4178159	0.55, 41781	0.57423	0.48972	0.59807	110.64777	47.57404	144.95635	18.4413	7.31081	24.15939	1.94E-07	4.7E-05	7.84E-06	5.99E-11	1.81E-10	1.43E-10	1.82E-13	4.39E-12	2.42E-13	4.81491E-12	6.468E-08	1.7417E-06	2.6128E-06	6.12436E-11	7.34923E-13	3.05686E-11	1.22275E-13
231	571590.6	4178159	0.55, 41781	0.49292	0.42713	0.50772	100.4908	44.5532	128.72625	16.74847	6.44552	21.45437	1.65E-07	4.18E-05	6.96E-06	5.08E-11	1.53E-10	1.21E-10	1.54E-13	3.73E-12	2.06E-13	4.08755E-12	5.491E-08	1.5467E-06	2.32026E-06	5.19919E-11	6.23903E-13	2.59508E-11	1.03803E-13
232	570310.6	4178199	0.55, 41781	0.10691	0.07648	0.10208	81.28791	24.55019	79.664	10.16099	3.94128	9.958	3.31E-08	2.58E-05	3.23E-06	1.02E-11	3.09E-11	2.44E-11	3.1E-14	7.49E-13	4.14E-14	8.21809E-13	1.104E-08	9.5718E-07	1.07702E-06	1.04531E-11	1.25437E-13	5.21745E-12	2.08698E-14
233	570350.6	4178199	0.55, 41781	0.11881	0.08587	0.11329	92.41038	27.80697	96.15133	11.5513	4.55912	12.01892	3.68E-08	3.12E-05	3.9E-06	1.13E-11	3.42E-11	2.71E-11	3.44E-14	8.32E-13	4.59E-14	9.12058E-13	1.225E-08	1.1553E-06	1.2999E-06	1.1601E-11	1.39212E-13	5.79042E-12	2.31617E-14
234	570390.6	4178199	0.55, 41781	0.13286	0.09703	0.12666	98.9418	30.67703	108.4605	12.36772	5.11284	13.55756	4.11E-08	3.52E-05	4.4E-06	1.27E-11	3.83E-11	3.02E-11	3.85E-14	9.3E-13	5.13E-14	1.0197E-12	1.37E-08	1.3032E-06	1.46629E-06	1.29701E-11	1.55641E-13	6.4738E-12	2.58952E-14
235	570430.6	4178199	0.55, 41781	0.14935	0.11037	0.14231	98.24021	33.47488	112.67373	12.28003	5.57915	14.08422	4.62E-08	3.66E-05	4.57E-06	1.42E-11	4.3E-11	3.4E-11	4.33E-14	1.04E-12	5.77E-14	1.14569E-12	1.539E-08	1.3538E-06	1.52323E-06	1.45727E-11	1.74873E-13	7.27371E-12	2.90948E-14
236	570470.6	4178199	0.55, 41781	0.1686	0.12646	0.16043	107.25905	35.76824	115.05444	13.40738	5.96137	14.38181	5.21E-08	3.73E-05	4.67E-06	1.61E-11	4.85E-11	3.83E-11	4.88E-14	1.18E-12	6.5E-14	1.29158E-12	1.735E-08	1.3824E-06	1.55544E-06	1.64283E-11	1.97139E-13	8.19988E-12	3.27995E-14
237	570510.6	4178199	0.55, 41781	0.19081	0.14598	0.18108	111.923	37.71142	131.96286	13.99038	6.28524	16.49536	5.88E-08	4.28E-05	5.35E-06	1.81E-11	5.47E-11	4.32E-11	5.5E-14	1.33E-12	7.34E-14	1.45783E-12	1.958E-08	1.5855E-06	1.78399E-06	1.8543E-11	2.22516E-13	9.25538E-12	3.70215E-14
238	570550.6	4178199	0.55, 41781	0.21602	0.16987	0.20494	119.57772	40.00549	129.21029	14.94721	6.67621	16.15129	6.65E-08	4.19E-05	5.24E-06	2.05E-11	6.2E-11	4.89E-11	6.23E-14	1.5E-12	8.31E-14	1.64993E-12	2.216E-08	1.5525E-06	1.74681E-06	2.09864E-11	2.51837E-13	1.0475E-11	4.18999E-14
239	570590.6	4178199	0.55, 41781	0.24388	0.19917	0.2325	124.08345	42.52786	147.10165	15.51043	7.78928	18.38771	7.54E-08	4.77E-05	5.97E-06	2.33E-11	7.03E-11	5.55E-11	7.07E-14	1.71E-12	9.42E-14	1.87182E-12	2.515E-08	1.7674E-06	1.98864E-06	2.38088E-11	2.85705E-13	1.18837E-11	4.75349E-14
240	570630.6	4178199	0.55, 41781	0.27242	0.23473	0.26214	135.79301	45.13025	156.31523	16.97413	8.73982	19.5394	8.51E-08	5.07E-05	6.34E-06	2.62E-11	7.92E-11	6.26E-11	7.97E-14	1.92E-12	1.06E-13	2.11047E-12	2.835E-08	1.8781E-06	2.11321E-06	2.68443E-11	3.22131E-13	1.33988E-11	5.35953E-14
241	570670.6	4178199	0.55, 41781	0.29828	0.27729	0.29064	136.89517	48.04336	174.48935	17.44831	9.65486	21.81117	9.43E-08	5.66E-05	7.08E-06	2.91E-11	8.79E-11	6.94E-11	8.83E-14	2.13E-12	1.18E-13	2.33995E-12	3.143E-08	2.0965E-06	2.35886E-06	2.97632E-11	3.57158E-13	1.48558E-11	5.9423E-14
242	570710.6	4178199	0.55, 41781	0.321	0.32818	0.31291	151.98197	52.23375	185.24815	19.68934	11.4382	23.15602	1.02E-07	6.01E-05	7.51E-06	3.13E-11	9.46E-11	7.47E-11	9.51E-14	2.3E-12	1.27E-13	2.51931E-12	3.384E-08	2.2258E-06	2.50434E-06	3.20445E-11	3.84534E-13	1.59944E-11	6.39778E-14
243	570750.6	4178199	0.55, 41781	0.34558	0.38955	0.32771	144.14265	57.26085	196.68908	22.53194	13.53855	24.58613	1.06E-07	6.38E-05	7.98E-06	3.28E-11	9.91E-11	7.83E-11	9.96E-14	2.41E-12	1.33E-13	2.63856E-12	3.545E-08	2.3632E-06	2.65906E-06	3.35613E-11	4.02736E-13	1.67515E-11	6.70062E-14
244	570790.6	4178199	0.55, 41781	0.38143	0.46429	0.35275	173.32889	66.95506	241.81218	25.57778	15.36352	36.58263	1.14E-07	7.84E-05	1.19E-05	3.53E-11	1.07E-10	8.42E-11	1.07E-13	2.59E-12	1.43E-13	2.84026E-12	3.815E-08	2.9054E-06	3.95628E-06	3.61269E-11	4.33523E-13	1.80321E-11	7.21283E-14
245	570830.6	4178199	0.55, 41781	0.44289	0.55991	0.39405	200.31972	78.9407	262.23048	28.47462	17.66262	37.4615	1.28E-07	8.51E-05	1.22E-05	3.95E-11	1.19E-10	9.41E-11	1.2E-13	2.89E-12	1.6E-13	3.17288E-12	4.262E-08	3.1507E-06	4.05139E-06	4.03577E-11	4.84293E-13	2.01438E-11	8.05753E-14
246	570870.6	4178199	0.55, 41781	0.55133	0.6879	0.45528	245.75399	83.68372	263.19795	34.28137	20.83884	36.18743	1.48E-07	8.54E-05	1.17E-05	4.56E-11	1.38E-10	1.09E-10	1.38E-13	3.34E-12	1.85E-13	3.666E-12	4.925E-08	3.1624E-06	3.91381E-06	4.66299E-11	5.59559E-13	2.32745E-11	9.30979E-14
247	570910.6	4178199	0.55, 41781	0.74216	0.86472	0.57468	353.61381	98.21675	387.24795	44.20173	24.01316	48.40599	1.86E-07	0.000126	1.57E-05	5.75E-11	1.74E-10	1.37E-10	1.75E-13	4.22E-12	2.33E-13	4.62743E-12	6.216E-08	4.6528E-06	5.23524E-06	5.88589E-11	7.06307E-13	2.93784E-11	1.17513E-13
248	570950.6	4178199	0.55, 41781	1.08517	1.1274	0.77671	376.11466	111.85514	479.74888	52.74149	29.33795	59.96861	2.52E-07	0.000156	1.95E-05	7.78E-11	2.35E-10	1.86E-10	2.36E-13	5.7E-12	3.15E-13	6.25415E-12	8.402E-08	5.7641E-06	6.48571E-06	7.95501E-11	9.54601E-13	3.9706E-11	1.58824E-13
249	570990.6	4178199	0.55, 41781	1.58976	1.56693	1.05873	410.19015	135.68135	559.12982	68.60008	44.06737	76.18548	3.44E-07	0.000181	2.47E-05	1.06E-10	3.2E-10	2.53E-10	3.22E-13	7.77E-12	4.29E-13	8.52509E-12	1.145E-07	6.7179E-06	8.23964E-06	1.08435E-10	1.30123E-12	5.41236E-11	2.16494E-13
250	571030.6	4178199	0.55, 41781	2.42958	2.27373	1.377	561.74649	191.25505	728.04918	107.05418	55.40677	100.45619	4.47E-07	0.000236	3.26E-05	1.38E-10	4.16E-10	3.29E-10	4.19E-13	1.01E-11	5.58E-13	1.10884E-11	1.49E-07	8.7475E-06	1.08651E-05	1.4104E-10	1.69248E-12	7.03975E-11	2.8159E-13
251	571070.6	4178199	0.55, 41781	3.58306	3.18041	1.39903	721.18769	259.71405	966.70756	139.44796	73.67892	146.94766	4.54E-07	0.000314	4.77E-05	1.4E-10	4.23E-10	3.34E-10	4.25E-13	1.03E-11	5.67E-13	1.12678E-11	1.514E-07	1.1615E-05	1.58929E-05	1.43321E-10	1.71986E-12	7.15363E-11	2.86145E-13
252	571110.6	4178199	0.55, 41781	5.26167	3.22788	1.2956	536.30163	206.72583	1199.13306	116.57539	57.94295	153.9862	4.21E-07	0.000389	5E-05	1.3E-10	3.92E-10	3.1E-10	3.94E-13	9.52E-12	5.25E-13	1.04358E-11	1.402E-07	1.4407E-05	1.66533E-05	1.32738E-10	1.59286E-12	6.62539E-11	2.65016E-13
253	571150.6	4178199	0.55, 41781	4.55265	2.7214	1.43074	406.82024	165.14744	1078.46551	75.27018	43.84452	138.95995	4.64E-07	0.00035	4.51E-05	1.43E-10	4.33E-10	3.42E-10	4.35E-13	1.05E-11	5.8E-13	1.15223E-11	1.548E-07	1.2957E-05	1.50274E-05	1.46559E-10	1.75871E-12	7.31523E-11	2.92609E-13
254	571190.6	4178199	0.55, 41781	3.6655	2.27193	1.9191	348.88414	129.45816	921.59929	55.11772	35.12171	118.18584	6.23E-07	0.000299	3.83E-05	1.92E-10	5.8E-10	4.58E-10	5.83E-13	1.41E-11	7.78E-13	1.5452E-11	2.076E-07	1.1073E-05	1.27806E-05	1.96543E-10	2.35851E-12	9.81008E-11	3.92403E-13

255	571230.6	4178199	0.55, 41781	2.99647	1.91661	2.63905	311.11499	100.77545	780.81724	44.29874	28.05958	97.60216	8.56E-07	0.000253	3.17E-05	2.64E-10	7.98E-10	6.3E-10	8.02E-13	1.94E-11	1.07E-12	2.1246E-11	2.854E-07	9.3811E-06	1.05546E-05	2.70239E-10	3.24287E-12	1.34885E-10	5.3954E-13
256	571270.6	4178199	0.55, 41781	2.48655	1.63354	2.7833	275.28639	78.6156	563.64868	36.03295	23.70769	70.45609	9.03E-07	0.000183	2.29E-05	2.79E-10	8.41E-10	6.65E-10	8.46E-13	2.04E-11	1.13E-12	2.24063E-11	3.01E-07	6.772E-06	7.61918E-06	2.84999E-10	3.41999E-12	1.42252E-10	5.69008E-13
257	571310.6	4178199	0.55, 41781	2.04979	1.39182	2.36332	251.65063	69.80646	418.93362	31.45633	18.505	52.3667	7.67E-07	0.000136	1.7E-05	2.37E-10	7.14E-10	5.64E-10	7.18E-13	1.73E-11	9.58E-13	1.90254E-11	2.556E-07	5.0333E-06	5.66312E-06	2.41995E-10	2.90394E-12	1.20787E-10	4.83149E-13
258	571350.6	4178199	0.55, 41781	1.66907	1.18291	1.84305	207.71058	67.17721	304.96385	28.41822	15.5683	43.42728	5.98E-07	9.89E-05	1.41E-05	1.85E-10	5.57E-10	4.4E-10	5.6E-13	1.35E-11	7.47E-13	1.48373E-11	1.993E-07	3.6641E-06	4.69645E-06	1.88724E-10	2.26468E-12	9.4198E-11	3.76792E-13
259	571390.6	4178199	0.55, 41781	1.33874	0.99933	1.42084	175.53523	63.93291	243.3206	26.80029	13.20173	40.55343	4.61E-07	7.89E-05	1.32E-05	1.42E-10	4.3E-10	3.39E-10	4.32E-13	1.04E-11	5.76E-13	1.14385E-11	1.537E-07	2.9235E-06	4.38566E-06	1.45493E-10	1.74591E-12	7.26201E-11	2.9048E-13
260	571430.6	4178199	0.55, 41781	1.08215	0.84466	1.12094	146.49279	60.30749	207.71024	24.41546	11.02968	34.61837	3.64E-07	6.74E-05	1.12E-05	1.12E-10	3.39E-10	2.68E-10	3.41E-13	8.23E-12	4.54E-13	9.02427E-12	1.212E-07	2.4957E-06	3.74386E-06	1.14785E-10	1.37742E-12	5.72927E-11	2.29171E-13
261	571470.6	4178199	0.55, 41781	0.88511	0.71494	0.90372	129.54701	55.96987	172.11269	21.59117	9.33698	28.68545	2.93E-07	5.58E-05	9.31E-06	9.05E-11	2.73E-10	2.16E-10	2.75E-13	6.63E-12	3.66E-13	7.27558E-12	9.774E-08	2.068E-06	3.10227E-06	9.25422E-11	1.11051E-12	4.61908E-11	1.84763E-13
262	571510.6	4178199	0.55, 41781	0.73336	0.60746	0.74181	112.64977	51.14316	142.69265	18.77496	8.40942	23.78211	2.41E-07	4.63E-05	7.72E-06	7.43E-11	2.24E-10	1.77E-10	2.25E-13	5.45E-12	3.01E-13	5.97213E-12	8.023E-08	1.7145E-06	2.57201E-06	7.5963E-11	9.11556E-13	3.79155E-11	1.51662E-13
263	571550.6	4178199	0.55, 41781	0.6189	0.52125	0.62191	97.68282	46.08498	120.36205	16.28047	7.59304	20.06034	2.02E-07	3.9E-05	6.51E-06	6.23E-11	1.88E-10	1.49E-10	1.89E-13	4.57E-12	2.52E-13	5.00687E-12	6.726E-08	1.4462E-06	2.16952E-06	6.36853E-11	7.64223E-13	3.17873E-11	1.27149E-13
264	571590.6	4178199	0.55, 41781	0.52714	0.45016	0.52751	84.87826	41.93857	102.67653	14.14638	6.8553	17.11275	1.71E-07	3.33E-05	5.55E-06	5.28E-11	1.59E-10	1.26E-10	1.6E-13	3.87E-12	2.14E-13	4.24689E-12	5.705E-08	1.2337E-06	1.85075E-06	5.40187E-11	6.48224E-13	2.69624E-11	1.0785E-13
265	570310.6	4178239	0.55, 41782	0.10871	0.07725	0.10419	69.36135	22.19632	77.30253	9.49069	3.20395	10.55794	3.38E-08	2.51E-05	3.43E-06	1.04E-11	3.15E-11	2.49E-11	3.17E-14	7.65E-13	4.22E-14	8.38794E-13	1.127E-08	9.288E-07	1.14187E-06	1.06691E-11	1.28029E-13	5.32529E-12	2.13011E-14
266	570350.6	4178239	0.55, 41782	0.12097	0.08699	0.11543	80.24676	23.95533	77.73127	10.03084	3.79637	10.6184	3.75E-08	2.52E-05	3.45E-06	1.16E-11	3.49E-11	2.76E-11	3.51E-14	8.47E-13	4.68E-14	9.29286E-13	1.248E-08	9.3396E-07	1.14842E-06	1.18201E-11	1.41841E-13	5.8998E-12	2.35992E-14
267	570390.6	4178239	0.55, 41782	0.13576	0.09875	0.129	97.68381	28.15369	96.07123	12.21048	4.56788	12.0089	4.19E-08	3.12E-05	3.9E-06	1.29E-11	3.9E-11	3.08E-11	3.92E-14	9.47E-13	5.23E-14	1.03854E-12	1.395E-08	1.1543E-06	1.29883E-06	1.32097E-11	1.58517E-13	6.5934E-12	2.63736E-14
268	570430.6	4178239	0.55, 41782	0.15369	0.11303	0.14573	112.57412	32.01468	119.02369	14.07177	5.30028	14.87796	4.73E-08	3.86E-05	4.83E-06	1.46E-11	4.41E-11	3.48E-11	4.43E-14	1.07E-12	5.91E-14	1.17323E-12	1.576E-08	1.4301E-06	1.60911E-06	1.49229E-11	1.79075E-13	7.44852E-12	2.97941E-14
269	570470.6	4178239	0.55, 41782	0.17542	0.1305	0.16624	120.86213	35.6675	135.90431	15.10777	5.94458	16.98804	5.39E-08	4.41E-05	5.51E-06	1.66E-11	5.03E-11	3.97E-11	5.05E-14	1.22E-12	6.74E-14	1.33835E-12	1.798E-08	1.6329E-06	1.83729E-06	1.70232E-11	2.04279E-13	8.49684E-12	3.39873E-14
270	570510.6	4178239	0.55, 41782	0.20166	0.15208	0.19089	118.29832	38.86505	139.27939	14.78729	6.47751	17.40992	6.19E-08	4.52E-05	5.65E-06	1.91E-11	5.77E-11	4.56E-11	5.8E-14	1.4E-12	7.74E-14	1.5368E-12	2.064E-08	1.6735E-06	1.8829E-06	1.95475E-11	2.3457E-13	9.75677E-12	3.90271E-14
271	570550.6	4178239	0.55, 41782	0.23297	0.17899	0.21994	134.82021	41.51275	155.81716	16.85253	6.91879	19.47714	7.14E-08	5.05E-05	6.32E-06	2.2E-11	6.65E-11	5.25E-11	6.68E-14	1.61E-12	8.91E-14	1.77069E-12	2.379E-08	1.8721E-06	2.10648E-06	2.25224E-11	2.70268E-13	1.12416E-11	4.49665E-14
272	570590.6	4178239	0.55, 41782	0.26933	0.21289	0.25402	138.182	44.61865	161.93184	17.27275	7.89914	20.24148	8.24E-08	5.25E-05	6.57E-06	2.54E-11	7.68E-11	6.07E-11	7.72E-14	1.86E-12	1.03E-13	2.04507E-12	2.747E-08	1.9456E-06	2.18914E-06	2.60124E-11	3.12149E-13	1.29836E-11	5.19344E-14
273	570630.6	4178239	0.55, 41782	0.31001	0.25571	0.29378	151.57706	47.88426	180.12829	18.94713	9.37801	22.51604	9.53E-08	5.84E-05	7.31E-06	2.94E-11	8.88E-11	7.02E-11	8.93E-14	2.16E-12	1.19E-13	2.36519E-12	3.177E-08	2.1642E-06	2.43512E-06	3.00842E-11	3.6101E-13	1.5016E-11	6.00638E-14
274	570670.6	4178239	0.55, 41782	0.35129	0.30919	0.33746	163.01094	51.1286	193.67566	20.37637	10.66356	24.20946	1.09E-07	6.28E-05	7.85E-06	3.38E-11	1.02E-10	8.06E-11	1.03E-13	2.48E-12	1.37E-13	2.71688E-12	3.65E-08	2.327E-06	2.61827E-06	3.45575E-11	4.1469E-13	1.72488E-11	6.8995E-14
275	570710.6	4178239	0.55, 41782	0.3879	0.37553	0.37852	161.77129	55.27243	215.9147	21.46966	11.91574	26.98934	1.23E-07	7E-05	8.76E-06	3.79E-11	1.14E-10	9.04E-11	1.15E-13	2.78E-12	1.53E-13	3.04751E-12	4.094E-08	2.5942E-06	2.91888E-06	3.8763E-11	4.65156E-13	1.93478E-11	7.73913E-14
276	570750.6	4178239	0.55, 41782	0.41955	0.45853	0.40652	185.09687	61.2613	243.75059	24.33831	15.0229	31.56234	1.32E-07	7.91E-05	1.02E-05	4.07E-11	1.23E-10	9.71E-11	1.24E-13	2.98E-12	1.65E-13	3.27305E-12	4.397E-08	2.9287E-06	3.41342E-06	4.16318E-11	4.99581E-13	2.07797E-11	8.3119E-14
277	570790.6	4178239	0.55, 41782	0.45531	0.56517	0.42739	195.76674	71.16962	229.68596	30.0466	17.67317	35.54387	1.39E-07	7.45E-05	1.15E-05	4.28E-11	1.29E-10	1.02E-10	1.3E-13	3.14E-12	1.73E-13	3.44125E-12	4.623E-08	2.7597E-06	3.8441E-06	4.37712E-11	5.25254E-13	2.18476E-11	8.73904E-14
278	570830.6	4178239	0.55, 41782	0.51729	0.70869	0.46924	186.14136	86.93814	313.42291	30.32646	20.0795	44.72862	1.52E-07	0.000102	1.45E-05	4.7E-11	1.42E-10	1.12E-10	1.43E-13	3.45E-12	1.9E-13	3.77839E-12	5.076E-08	3.7658E-06	4.83721E-06	4.80595E-11	5.76715E-13	2.39881E-11	9.59522E-14
279	570870.6	4178239	0.55, 41782	0.63421	0.91745	0.53024	225.98347	96.3139	311.28977	37.66391	24.81387	41.34654	1.72E-07	0.000101	1.34E-05	5.31E-11	1.6E-10	1.27E-10	1.61E-13	3.89E-12	2.15E-13	4.26982E-12	5.736E-08	3.7402E-06	4.47174E-06	5.43102E-11	6.51723E-13	2.7108E-11	1.08432E-13
280	570910.6	4178239	0.55, 41782	0.85302	1.23442	0.65693	293.13359	117.47886	326.7744	47.06613	30.6738	48.00957	2.13E-07	0.000106	1.56E-05	6.58E-11	1.99E-10	1.57E-10	2E-13	4.82E-12	2.66E-13	5.29021E-12	7.107E-08	3.9263E-06	5.19246E-06	6.72892E-11	8.07471E-13	3.35862E-11	1.34345E-13
281	570950.6	4178239	0.55, 41782	1.35023	1.79208	0.88884	455.80102	142.22416	478.03953	68.40553	39.86266	68.50221	2.88E-07	0.000155	2.22E-05	8.9E-11	2.69E-10	2.12E-10	2.7E-13	6.53E-12	3.6E-13	7.15806E-12	9.616E-08	5.7437E-06	7.40888E-06	9.10474E-11	1.09257E-12	4.54447E-11	1.81779E-13
282	570990.6	4178239	0.55, 41782	3.0182	3.06414	1.32054	885.93977	193.04223	771.54657	147.1874	58.20401	96.44332	4.29E-07	0.00025	3.13E-05	1.32E-10	3.99E-10	3.15E-10	4.02E-13	9.7E-12	5.35E-13	1.06357E-11	1.429E-07	9.2702E-06	1.04324E-05	1.35281E-10	1.62337E-12	6.75231E-11	2.70093E-13
283	571030.6	4178239	0.55, 41782	7.70332	4.46365	2.30139	679.65913	243.63294	1123.21669	144.28562	71.78775	156.8655	7.47E-07	0.000364	5.09E-05	2.3E-10	6.96E-10	5.5E-10	7E-13	1.69E-11	9.33E-13	1.85343E-11	2.49E-07	1.3495E-05	1.69655E-05	2.35748E-10	2.82898E-12	1.17669E-10	4.70677E-13
284	571110.6	4178239	0.55, 41782	48.37684	13.76668	3.52906	1082.14109	288.2044	2417.61379	441.33003	115.9324	328.07057	1.15E-06	0.000784	0.000106	3.54E-10	1.07E-09	8.44E-10	1.07E-12	2.59E-11	1.43E-12	2.84432E-11	3.821E-07	2.9046E-05	3.54859E-05	3.61786E-10	4.34143E-12	1.80579E-10	7.22315E-13
285	571150.6	4178239	0.55, 41782	14.38318	6.22649	4.84511	550.93904	192.81003	1871.63269	147.46183	59.89562	339.77194	1.57E-06	0.000607	0.00011	4.85E-10	1.46E-09	1.16E-09	1.47E-12	3.56E-11	1.96E-12	3.90134E-11	5.241E-07	2.2486E-05	3.67424E-05	4.96234E-10	5.95481E-12	2.47686E-10	9.90745E-13
286	571190.6	4178239	0.55, 41782	8.08563	4.10425	7.76231	423.01159	138.20819	1326.9025	88.76631	43.45879	203.98194	2.52E-06	0.00043	6.62E-05	7.77E-10	2.35E-09	1.85E-09	2.36E-12	5.7E-11	3.15E-12	6.24881E-11	8.394E-07	1.5942E-05	2.20583E-05	7.94822E-10	9.53786E-12	3.96721E-10	1.58688E-12
287	571230.6	4178239	0.55, 41782	5.48613	3.01374	6.36519	364.79857	99.98669	820.37732	64.1708	32.88659	114.5851	2.07E-06	0.000266	3.72E-05	6.37E-10	1.92E-09	1.52E-09	1.93E-12	4.67E-11	2.58E-12	5.12401E-11	6.883E-07	9.8564E-06	1.23915E-05	6.51752E-10	7.82102E-12	3.2531E-10	1.30124E-12
288	571270.6	4178239	0.55, 41782	3.91656	2.30583	4.21608	308.69657	91.16262	501.73471	42.97299	25.31404	83.35946	1.37E-06	0.000163	2.7E-05	4.22E-10	1.27E-09	1.01E-09	1.28E-12	3.1E-11	1.71E-12	3.39403E-11	4.559E-07	6.0282E-06	9.01457E-06	4.31706E-10	5.18047E-12	2.15478E-10	8.61913E-13
289	571310.6	4178239	0.55, 41782	2.81911	1.80691	2.86031	238.76095	82.99282	368.88984	36.57222	19.65898	61.48164	9.28E-07	0.00012	1.99E-05	2.86E-10	8.65E-10	6.83E-10	8.69E-13	2.1E-11	1.16E-12	2.30266E-11	3.093E-07	4.4322E-06	6.64883E-06	2.92888E-10	3.51466E-12	1.4619E-10	5.8476E-13
290	571350.6	4178239	0.55, 41782	2.07392	1.43877	2.07081	186.98174	75.01218	257.12826	31.16362	15.62493	42.85471	6.72E-07	8.34E-05	1.39E-05	2.07E-10	6.26E-10	4.94E-10	6.29E-13	1.52E-11	8.39E-13	1.66711E-11	2.24E-07	3.0894E-06	4.63462E-06	2.12049E-10	2.54459E-12	1.0584E-10	4.23362E-13
291	571390.6	4178239	0.55, 41782	1.57003	1.1589	1.56847	153.36435	67.14235	200.39228	25.56072	13.28221	31.13336	5.09E-07	6.5E-05	1.01E-05	1.57E-10	4.74E-10	3.75E-10	4.77E-13	1.15E-11	6.36E-13	1.26271E-11	1.696E-07	2.4078E-06	3.36707E-06	1.60612E-10	1.92734E-12	8.01664E-11	3.20666E-13
292	571430.6	4178239	0.55, 41782	1.23548	0.94866	1.2378	124.99719	59.46648	164.5542	20.83286	11.6734	24.18073	4.02E-07	5.34E-05	7.85E-06	1.24E-10	3.74E-10	2.96E-10	3.76E-13	9.09E-12	5.02E-13	9.9651E-12	1.339E-07	1.9772E-06	2.61518E-06	1.26752E-10	1.52102E-12	6.32659E-11	2.53064E-13
293	571470.6	4178239	0.55, 41782	0.99131	0.7845	0.9961	109.3041	54.21436	142.14876	17.2339	10.26711	19.9293	3.23E-07	4.61E-05	6.47E-06	9.97E-11	3.01E-10	2.38E-10	3.03E-13	7.31E-12	4.04E-13	8.0193E-12	1.077E-07	1.708E-06	2.15538E-06	1.02002E-10	1.22402E-12	5.09125E-11	2.0365E-13
294	571510.6	4178239	0.55, 41782	0.81688	0.65976	0.82266	100.30585	50.40167	129.05875	14.55844	9.03737	16.96469	2.67E-07	4.19E-05	5.5E-06	8.24E-11	2.49E-10	1.96E-10	2.5E-13	6.04E-12	3.33E-13	6.62301E-12	8.897E-08	1.5507E-06	1.83475E-06	8.42418E-11	1.0109E-12	4.20478E-11	1.68191E-13
295	571550.6	4178239	0.55, 41782	0.68618	0.56281	0.69258	92.19218	46.80105	116.817	12.52836	7.96128	14.60636	2.25E-07	3.79E-05	4.74E-06	6.93E-11	2.09E-10	1.65E-10	2.1E-13	5.08E-12	2.81E-13	5.57579E-12	7.49E-08	1.4036E-06	1.57969E-06	7.09216E-11	8.51059E-13	3.53992E-11	1.41597E-13
296	571590.6	4178239	0.55, 41782	0.57854	0.48285	0.58537	84.94405	43.3686	105.85184	10.89629	7.01254	13.23148	1.9E-07	3.43E-05	4.29E-06	5.86E-11	1.77E-10	1.4E-10	1.78E-13	4.3E-12	2.37E-13	4.71268E-12	6.331E-08	1.2719E-06	1.43099E-06	5.99433E-11	7.19319E-13	2.99196E-11	1.19678E-13
297	570310.6	4178279	0.55, 41782	0.11004	0.07807	0.10589	74.04292	22.79319	77.67346	10.17864	3.64675	10.70288	3.44E-08	2.52E-05	3.47E-06	1.06E-11	3.2E-11	2.53E-11	3.22E-14	7.77E-13	4.29E-14	8.52479E-13	1.145E-08	9.3326E-07	1.15756E-06	1.08432E-11	1.30118E-13	5.41217E-12	2.16487E-14
298	570350.6	4178279	0.55, 41782	0.12249	0.08802	0.11726	80.9847	23.74961	88.18196	11.08549	3.81596	12.05595	3.8E-08	2.86E-05	3.91E-06	1.17E-11	3.54E-11	2.8E-11	3.56E-14	8.61E-13	4.75E-14	9.44018E-13	1.268E-08	1.0595E-06	1.30389E-06	1.20075E-11	1.4409E-13	5.99333E-12	2.39733E-14
299	570390.6	4178279	0.55, 41782	0.13757	0.10016	0.13084	86.03589	24.80698	96.47388	11.74551	4.00404	13.13274	4.25E-08	3.13E-05	4.26E-06	1.31E-11	3.96E-11	3.12E-11	3.98E-14	9.61E-13	5.3E-14	1.05335E-12	1.415E-08	1.1591E-06	1.42033E-06	1.33981E-11	1.60778E-13	6.68744E-12	2.67498E-14
300	570430.6	4178279	0.55, 41782	0.15607	0.11514	0.14747	96.31741	27.84204	100.58043	12.03968	4.46456	13.6645	4.78E-08	3.26E-05	4.43E-06	1.48E-11	4.46E-11	3.52E-11	4.48E-14	1.08E-12	5.98E-14	1.18724E-12	1.595E-08	1.2085E-06	1.47784E-06	1.51011E-11	1.81214E-13	7.53746E-12	3.01498E-14
301	570470.6	4178279	0.55, 41782	0.17907	0.13378	0.16835	120.52086	33.01708	119.41006	15.06511	5.41696	14.92626	5.46E-08	3.87E-05	4.84E-06	1.69E-11	5.09E-11	4.02E-11	5.12E-14	1.24E-12	6.82E-14	1.35534E-12	1.821E-08	1.4347E-06	1.61436E-06	1.72393E-11	2.06872E-13	8.60471E-12	3.44188E-14
302	570510.6	4178279	0.55, 41782	0.20795	0.15724	0.19497	141.57577	37.85068	153.41811	17.69697	6.30845	19.17726	6.33E-08	4.98E-05	6.22E-06	1.95E-11	5.89E-11	4.66E-11	5.93E-14	1.43E-12	7.9E-14	1.56966E-12	2.109E-08	1.8433E-06	2.07408E-06	1.99653E-11	2.39584E-13	9.96534E-12	3.98613E-14
303	570550.6	4178279	0.55, 41782	0.24435	0.18714	0.22876	153.17347	42.50173	177.88461	19.14668	7.08362	22.23558	7.42E-08	5.77E-05	7.21E-06	2.29E-11	6.92E-11	5.46E-11	6.95E-14	1.68E-12	9.27E-14	1.8417E-12	2.474E-08	2.1373E-06	2.4048E-06	2.34256E-11	2.81107E-13	1.16925E-11	4.67698E-14
304	570590.6	4178279	0.55, 41782	0.28993	0.22577	0.27077	157.86485	46.41285	177.78268	19.73311	7.73548	22.22284	8.79E-08	5.77E-05	7.21E-06	2.71E-11	8.19E-11	6.47E-11	8.23E-14	1.99E-12	1.1E-13	2.17992E-12	2.928E-08	2.1361E-06	2.40344E-06	2.77276E-11	3.32731E-13	1.38397E-11	5.53589E-14
305	570630.6	4178279	0.55, 41782	0.34541	0.27631	0.32199	169.89337	50.77009	212.69617	21.23667	9.57894	26.58702	1.04E-07	6.9E-05	8.63E-06	3.22E-11	9.73E-11	7.69E-11	9.79E-14	2.36E-12	1.3E-13	2.5923E-12	3.482E-08	2.5555E-06	2.87537E-06	3.29729E-11	3.95674E-13	1.64578E-11	6.58313E-14
306	570670.6	4178279	0.55, 41782	0.40869	0.34273	0.38328	189.16159	55.36754	226.13934	23.6452	11.64813	28.26742	1.24E-07	7.34E-05	9.17E-06	3.84E-11	1.16E-10	9.15E-11	1.16E-13	2.81E-12	1.55E-13	3.08576E-12	4.145E-08	2.7171E-06	3.05713E-06	3.92495E-11	4.70994E-13	1.95907E-11	7.83628E-14
307	570710.6	4178279	0.55, 41782	0.47241	0.42944	0.45188	202.37611	59.97812	249.97635	25.29701	13.4468	31.24704	1.47E-07	8.11E-05	1.01E-05	4.52E-11	1.37E-10	1.08E-10	1.37E-13	3.32E-12	1.83E-13	3.6381E-12	4.887E-08	3.0035E-06	3.37936E-06	4.62751E-11	5.55301E-13	2.30974E-11	9.23895E-14
308	570750.6	4178279	0.55, 41782	0.52143	0.53099	0.51003	207.36077	66.44988	280.46815	28.38204	16.35494	35.05852	1.65E-07	9.1E-05	1.14E-05	5.11E-11	1.54E-10	1.22E-10	1.55E-13	3.74E-12	2.07E-13	4.10636E-12	5.516E-08	3.3698E-06	3.79157E-06	5.22311E-11	6.26773E-13	2.60702E-11	1.04281E-13
309	570790.6	4178279	0.55, 41782	0.56782	0.69623	0.54766	217.33897	75.80804	318.83899	33.24185	20.36018	42.96761	1.78E-07	0.000103	1.39E-05	5.48E-11	1.66E-10	1.31E-10	1.66E-13	4.02E-12	2.22E-13	4.40958E-12	5.924E-08	3.8308E-06	4.64689E-06	5.60879E-11	6.73055E-13	2.79953E-11	1.11981E-13
310	570830.6	4178279	0.55, 41782	0.62461	0.91706	0.58168	236.67869	94.57659	403.572	34.09074	24.90976	60.93237	1.89E-07	0.000131	1.98E-05	5.82E-11	1.76E-10	1.39E-10	1.77E-13	4.27E-12	2.36E-13	4.68385E-12	6.292E-08	4.8489E-06	6.58936E-06	5.95766E-11	7.14919E-13	2.97366E-11	1.18946E-13
311	570870.6	4178279	0.55, 41782	0.74364	1.27032	0.64347	232.57719	121.10786	430.4482	38.76287	29.17824	53.80602	2.09E-07	0.00014	1.75E-05	6.44E-11	1.95E-10	1.54E-10	1.96E-13	4.73E-12	2.61E-13	5.18192E-12	6.961E-08	5.1718E-06	5.81896E-06	6.59118E-11	7.90942E-13	3.28987E-11	1.31595E-13
312	570910.6	4178279	0.55, 41782	0.98087	1.94043	0.78377	289.58181	139.00222	423.1545	48.26363	45.30681	59.61258	2.54E-07	0.000137	1.93E-05	7.85E-11	2.37E-10	1.87E-10	2.38E-13	5.76E-12	3.18E-13	6.31257E-12	8.48E-08	5.0843E-06	6.44708E-06	8.02931E-11	9.63518E-13	4.00769E-11	1.60307E-13
313	570950.6	4178279	0.55, 41782	1.54705	3.33468	1.05206	380.89662	209.14004	464.4183	63.48277	60.99964	77.40305	3.42E-07	0.000151	2.51E-05	1.05E-10	3.18E-10	2.51E-10	3.2E-13	7.73E-12	4.27E-13	8.47491E-12	1.138E-07	5.5802E-06	8.37114E-06	1.07797E-10	1.29357E-12	5.3805E-11	2.1522E-13
314	571150.6	4178279	0.55, 41782	125.5821	15.27099	61.53709	2183.625	235.47088	4321.7852	1020.3296	115.3363	966.08792	2E-05	0.001402	0.000313	6.16E-09	1.86E-08	1.47E-08	1.87E-11	4.52E-10	2.49E-11	4.95365E-10	6.655E-06	5.1923E-05	0.000104489	6.30083E-09	7.561E-11	3.14495E-09	1.25798E-11
315	571190.6	4178279	0.55, 41782	19.14498	7.50998	20.68123	704.1647	157.76938	1300.13062	186.41477	61.8786	262.75525	6.71E-06	0.000422	8.52E-05	2.07E-09	6.25E-09	4.94E-09	6.29E-12	1.52E-10	8.38E-12	1.66481E-10	2.236E-06	1.562E-05	2.84161E-05	2.11756E-09	2.54107E-11	1.05694E-09	4.22777E-12
316	571230.6	4178279	0.55, 41782	9.41744	4.44398	9.68706	418.2482	120.63814	710.71948	87.01567	39.51148	138.35634	3.14E-06	0.000231	4.49E-05	9.7E-10	2.93E-09	2.31E-09	2.94E-12	7.11E-11	3.93E-12	7.79812E-11	1.048E-06	8.5391E-06	1.49625E-05	9.91888E-10	1.19027E-11	4.95083E-10	1.98033E-12
317	571270.6	4178279	0.55, 41782	5.33507	3.02277	5.65407	265.61255	99.06709	486.13138	58.88721	29.56115	89.94232	1.83E-06	0.000158	2.92E-05	5.66E-10	1.71E-09	1.35E-09	1.72E-12	4.15E-11	2.29E-12	4.55163E-11	6.114E-07	5.8407E-06	9.72682E-06	5.78948E-10	6.94737E-12	2.88971E-10	1.15589E-12
318	571310.6	4178279	0.55, 41782	3.44949	2.20529	3.73581	197.38222	83.78037	349.19747	42.40574	23.44903	62.97539	1.21E-06	0.000113	2.04E-05	3.74E-10	1.13E-09	8.92E-10	1.14E-12	2.74E-11	1.51E-12	3.00744E-11	4.04E-07	4.1956E-06	6.81051E-06	3.82533E-10	4.59039E-12	1.90934E-10	7.63737E-13
319	571350.6	4178279	0.55, 41782	2.42474	1.67304	2.63741	164.77993	74.08708	262.11907	31.82391	19.20475	45.98547	8.56E-07	8.5E-05	1.49E-05	2.64E-10	7.97E-10	6.3E-10	8.02E-13	1.94E-11	1.07E-12	2.12321E-11	2.852E-07	3.1494E-06	4.97315E-06	2.70064E-10	3.24076E-12	1.34797E-10	5.3919E-13
320	571390.6	4178279	0.55, 41782	1.80332	1.30805	1.94946	139.62437	66.18564	204.22507	24.75802	16.07748	34.84377	6.32E-07	6.63E-05	1.13E-05	1.95E-10	5.89E-10	4.65E-10	5.92E-13	1.43E-11	7.9E-13	1.5694E-11	2.108E-07	2.4538E-06	3.76824E-06	1.99621E-10	2.39546E-12	9.96374E-11	3.9855E-13
321	571430.6	4178279	0.55, 41782	1.38872	1.04688	1.49158	120.07885	59.47148	164.54693	19.78612	13.66223	27.17412	4.84E-07	5.34E-05	8.82E-06	1.49E-10	4.51E-10	3.56E-10	4.53E-13	1.1E-11	6.04E-13	1.2008E-11	1.613E-07	1.9771E-06	2.93881E-06	1.52736E-10	1.83284E-12	7.62356E-11	3.04942E-13
322	571470.6	4178279	0.55, 41782	1.11171	0.86066	1.18684	104.95004	53.66694	136.91558	16.34545	11.81303	21.87493	3.85E-07	4.44E-05	7.1E-06	1.19E-10	3.59E-10	2.83E-10	3.61E-13	8.71E-12	4.81E-13	9.55473E-12	1.284E-07	1.6451E-06	2.36573E-06	1.21532E-10	1.45838E-12	6.06605E-11	2.42642E-13
323	571510.6	4178279	0.55, 41782	0.90331	0.71725	0.95952	92.95227	48.50847	116.77816	13.70064	10.27697	17.93941	3.11E-07	3.79E-05	5.82E-06	9.61E-11	2.9E-10	2.29E-10	2.92E-13	7.04E-12	3.89E-13	7.72472E-12	1.038E-07	1.4031E-06	1.94012E-06	9.82551E-11	1.17906E-12	4.90423E-11	1.96169E-13
324	571550.6	4178279	0.55, 41782	0.74685	0.60641	0.79002	83.35854	43.88956	102.16829	11.6678	9.00306	14.97338	2.56E-07	3.31E-05	4.86E-06	7.91E-11	2.39E-10	1.89E-10	2.4E-13	5.8E-12	3.2E-13	6.36017E-12	8.544E-08	1.2276E-06	1.61935E-06	8.08987E-11	9.70784E-13	4.03791E-11	1.61516E-13
325	571590.6	4178279	0.55, 41782	0.63093	0.52161	0.66513	75.57295	41.1264	91.05382	10.11638	7.96472	12.7323	2.16E-07	2.95E-05	4.13E-06	6.66E-11	2.01E-10	1.59E-10	2.02E-13	4.88E-12	2.7E-13	5.35475E-12	7.193E-08	1.0941E-06	1.37699E-06	6.81101E-11	8.17321E-13	3.39959E-11	1.35984E-13
326	570310.6	4178319	0.55, 41783	0.1112	0.07908	0.10686	65.67409	25.12162	71.57917	10.72274	3.92383	11.92986	3.47E-08	2.32E-05	3.87E-06	1.07E-11	3.23E-11	2.55E-11	3.25E-14	7.85E-13	4.33E-14	8.60289E-13	1.156E-08	8.6005E-07	1.29024E-06	1.09425E-11	1.3131E-13	5.46175E-12	2.1847E-14
327	570350.6	4178319	0.55, 41783	0.12381	0.08915	0.11863	72.99363	26.3644	78.028	10.96785	4.13077	12.26515	3.85E-08	2.53E-05	3.98E-06	1.19E-11	3.59E-11	2.83E-11	3.61E-14	8.71E-13	4.81E-14	9.55047E-13	1.283E-08	9.3753E-07	1.3265E-06	1.21478E-11	1.45773E-13	6.06335E-12	2.42534E-14
328	570390.6	4178319	0.55, 41783	0.13907	0.1015	0.13256	85.61577	27.73961	87.79758	11.84211	4.3586	12.34233	4.3E-08	2.85E-05	4E-06	1.33E-11	4.01E-11	3.17E-11	4.03E-14	9.73E-13	5.37E-14	1.0672E-12	1.434E-08	1.0549E-06	1.33487E-06	1.35743E-11	1.62891E-13	6.77536E-12	2.71014E-14
329	570430.6	4178319	0.55, 41783	0.15783	0.11689	0.14946	97.99246	29.27563	105.83642	13.47747	4.61214	14.5399	4.85E-08	3.43E-05	4.72E-06	1.5E-11	4.52E-11	3.57E-11	4.54E-14	1.1E-12	6.06E-14	1.20326E-12	1.616E-08	1.2716E-06	1.57254E-06	1.53049E-11	1.83659E-13	7.63917E-12	3.05567E-14
330	570470.6	4178319	0.55, 41783	0.18134	0.13633	0.17027	108.90086	31.01454	122.78	14.92794	4.89871	16.74752	5.52E-08	3.98E-05	5.43E-06	1.7E-11	5.15E-11	4.07E-11	5.18E-14	1.25E-12	6.9E-14	1.3708E-12	1.841E-08	1.4752E-06	1.81128E-06	1.7436E-11	2.09232E-13	8.70285E-12	3.48114E-14
331	570510.6	4178319	0.55, 41783	0.21129	0.16124	0.19656	118.40452	33.29424	135.32696	15.9306	5.40834	18.39398	6.38E-08	4.39E-05	5.97E-06	1.97E-11	5.94E-11	4.69E-11	5.97E-14	1.44E-12	7.97E-14	1.58246E-12	2.126E-08	1.626E-06	1.98933E-06	2.01282E-11	2.41539E-13	1.00466E-11	4.01866E-14
332	570550.6	4178319	0.55, 41783	0.2503	0.19368	0.23096	153.9338	39.94632	153.89508	19.24172	6.62991	19.23689	7.49E-08	4.99E-05	6.24E-06	2.31E-11	6.98E-11	5.52E-11	7.02E-14	1.7E-12	9.36E-14	1.85942E-12	2.498E-08	1.8491E-06	2.08057E-06	2.3651E-11	2.83812E-13	1.1805E-11	4.72198E-14
333	570590.6	4178319	0.55, 41783	0.30196	0.23671	0.27701	186.54438	46.61587	209.37606	23.31805	7.76931	26.17201	8.99E-08	6.79E-05	8.49E-06	2.77E-11	8.37E-11	6.61E-11	8.42E-14	2.03E-12	1.12E-13	2.23017E-12	2.996E-08	2.5156E-06	2.83056E-06	2.83668E-11	3.40401E-13	1.41588E-11	5.6635E-14
334	570630.6	4178319	0.55, 41783	0.37105	0.29503	0.3391	205.0145	52.79857	247.59232	25.62681	8.79976	30.94904	1.1E-07	8.03E-05	1E-05	3.4E-11	1.03E-10	8.1E-11	1.03E-13	2.49E-12	1.37E-13	2.73005E-12	3.667E-08	2.9748E-06	3.34715E-06	3.47251E-11	4.16701E-13	1.73324E-11	6.93297E-14
335	570670.6	4178319	0.55, 41783	0.462	0.37572	0.42024	218.45656	59.57781	273.51496	27.30707	11.98561	34.18937	1.36E-07	8.87E-05	1.11E-05	4.21E-11	1.27E-10	1E-10	1.28E-13	3.09E-12	1.7E-13	3.38332E-12	4.545E-08	3.2862E-06	3.69756E-06	4.30344E-11	5.16413E-13	2.14799E-11	8.59194E-14
336	570710.6	4178319	0.55, 41783	0.57218	0.48827	0.5224	242.44958	66.62286	291.17197	30.3062	15.15553	36.3965	1.69E-07	9.45E-05	1.18E-05	5.23E-11	1.58E-10	1.25E-10	1.59E-13	3.84E-12	2.12E-13	4.20585E-12	5.65E-08	3.4984E-06	3.93629E-06	5.34966E-11	6.41959E-13	2.67019E-11	1.06807E-13
337	570750.6	4178319	0.55, 41783	0.67766	0.63416	0.63666	262.41203	72.71034	341.04886	32.8015	17.84948	42.63111	2.07E-07	0.000111	1.38E-05	6.37E-11	1.92E-10	1.52E-10	1.94E-13	4.67E-12	2.58E-13	5.12583E-12	6.886E-08	4.0977E-06	4.61049E-06	6.51984E-11	7.8238E-13	3.25426E-11	1.3017E-13
338	570790.6	4178319	0.55, 41783	0.76041	0.85502	0.73352	285.66779	86.45349	381.79277	42.9347	23.67926	50.68659	2.38E-07	0.000124	1.64E-05	7.34E-11	2.22E-10	1.75E-10	2.23E-13	5.39E-12	2.97E-13	5.90591E-12	7.934E-08	4.5872E-06	5.48179E-06	7.51206E-11	9.01447E-13	3.74951E-11	1.4998E-13
339	570830.6	4178319	0.55, 41783	0.82107	1.23378	0.77266	302.59427	109.05103	424.78874	45.07728	29.79255	65.49858	2.51E-07	0.000138	2.13E-05	7.74E-11	2.34E-10	1.85E-10	2.35E-13	5.67E-12	3.13E-13	6.22171E-12	8.358E-08	5.1038E-06	7.08341E-06	7.91374E-11	9.49649E-13	3.95E-11	1.58E-13
340	570870.6	4178319	0.55, 41783	0.93174	1.8881	0.81484	263.71888	150.69846	583.61	37.23183	42.82711	79.94464	2.64E-07	0.000189	2.59E-05	8.16E-11	2.46E-10	1.95E-10	2.48E-13	5.98E-12	3.3E-13	6.56253E-12	8.816E-08	7.012E-06	8.64517E-06	8.34726E-11	1.00167E-12	4.16638E-11	1.66655E-13
341	570910.6	4178319	0.55, 41783	1.19482	3.5981	0.94641	225.26352	195.84246	582.08496	37.31993	59.22953	72.76062	3.07E-07	0.000189	2.36E-05	9.48E-11	2.86E-10	2.26E-10	2.88E-13	6.95E-12	3.84E-13	7.62498E-12	1.024E-07	6.9938E-06	7.8684E-06	9.69865E-11	1.16384E-12	4.84091E-11	1.93636E-13
342	571190.6	4178319	0.55, 41783	29.13102	9.74239	24.19825	1204.46355	192.40018	1781.17361	337.10397	86.14095	400.692	7.85E-06	0.000578	0.00013	2.42E-09	7.31E-09	5.78E-09	7.35E-12	1.78E-10	9.81E-12	1.94795E-10	2.617E-06	2.14E-05	4.33351E-05	2.47771E-09	2.97326E-11	1.23671E-09	4.94682E-12
343	571230.6	4178319	0.55, 41783	10.45163	5.25398	11.58574	479.33008	117.37647	725.29291	126.19986	44.06446	185.38424	3.76E-06	0.000235	6.01E-05	1.16E-09	3.5E-09	2.77E-09	3.52E-12	8.5E-11	4.69E-12	9.32654E-11	1.253E-06	8.7141E-06	2.00485E-05	1.1863E-09	1.42355E-11	5.92118E-10	2.36847E-12
344	571270.6	4178319	0.55, 41783	5.72808	3.4301	6.64009	292.22118	96.9874	479.91721	63.79547	33.00222	105.59121	2.15E-06	0.000156	3.43E-05	6.65E-10	2.01E-09	1.59E-09	2.02E-12	4.87E-11	2.69E-12	5.34536E-11	7.181E-07	5.7661E-06	1.1419E-05	6.79907E-10	8.15888E-12	3.39363E-10	1.35745E-12
345	571310.6	4178319	0.55, 41783	3.67711	2.43151	4.23514	175.48484	83.52768	339.71763	43.52526	25.92364	69.01312	1.37E-06	0.00011	2.24E-05	4.24E-10	1.28E-09	1.01E-09	1.29E-12	3.11E-11	1.72E-12	3.40939E-11	4.58E-07	4.0817E-06	7.46338E-06	4.3366E-10	5.20392E-12	2.16454E-10	8.65814E-13
346	571350.6	4178319	0.55, 41783	2.57847	1.81872	2.91777	135.74456	73.58424	245.66728	31.86463	21.08438	47.561	9.47E-07	7.97E-05	1.54E-05	2.92E-10	8.82E-10	6.97E-10	8.87E-13	2.14E-11	1.18E-12	2.34891E-11	3.155E-07	2.9517E-06	5.14351E-06	2.98771E-10	3.58525E-12	1.49126E-10	5.96504E-13
347	571390.6	4178319	0.55, 41783	1.91038	1.41202	2.12389	114.67965	65.84745	189.40245	24.95277	17.54375	35.6451	6.89E-07	6.14E-05	1.16E-05	2.13E-10	6.42E-10	5.07E-10	6.45E-13	1.56E-11	8.61E-13	1.70982E-11	2.297E-07	2.2757E-06	3.85489E-06	2.17482E-10	2.60979E-12	1.08552E-10	4.34209E-13
348	571430.6	4178319	0.55, 41783	1.47151	1.12853	1.61377	100.57811	59.61061	161.57422	20.18585	14.84739	27.57311	5.24E-07	5.24E-05	8.95E-06	1.62E-10	4.88E-10	3.85E-10	4.9E-13	1.18E-11	6.54E-13	1.29917E-11	1.745E-07	1.9414E-06	2.98196E-06	1.65248E-10	1.98298E-12	8.24807E-11	3.29923E-13
349	571470.6	4178319	0.55, 41783	1.16585	0.92218	1.2649	90.09229	54.43044	139.38169	16.69193	12.71837	21.87498	4.1E-07	4.52E-05	7.1E-06	1.27E-10	3.82E-10	3.02E-10	3.84E-13	9.29E-12	5.13E-13	1.01832E-11	1.368E-07	1.6747E-06	2.36574E-06	1.29525E-10	1.5543E-12	6.46503E-11	2.58601E-13
350	571510.6	4178319	0.55, 41783	0.94595	0.76805	1.01773	81.52103	50.05282	121.69	14.06823	11.00608	17.76049	3.3E-07	3.95E-05	5.76E-06	1.02E-10	3.08E-10	2.43E-10	3.09E-13	7.47E-12	4.12E-13	8.19336E-12	1.101E-07	1.4622E-06	1.92078E-06	1.04216E-10	1.25059E-12	5.20175E-11	2.0807E-13
351	571550.6	4178319	0.55, 41783	0.78212	0.64956	0.83556	74.38547	46.28731	107.35752	12.02264	9.59923	14.66288	2.71E-07	3.48E-05	4.76E-06	8.37E-11	2.53E-10	2E-10	2.54E-13	6.13E-12	3.39E-13	6.72681E-12	9.037E-08	1.29E-06	1.58579E-06	8.55622E-11	1.02675E-12	4.27068E-11	1.70827E-13
352	571590.6	4178319	0.55, 41783	0.65442	0.55508	0.69496	68.29245	42.98116	95.34122	10.3334	8.40789	12.26582	2.25E-07	3.09E-05	3.98E-06	6.96E-11	2.1E-10	1.66E-10	2.11E-13	5.1E-12	2.82E-13	5.59492E-12	7.516E-08	1.1456E-06	1.32656E-06	7.1165E-11	8.5398E-13	3.55207E-11	1.42083E-13
353	570310.6	4178359	0.55, 41783	0.11229	0.07993	0.10794	69.29068	26.58817	75.81746	11.54845	4.0095	12.46153	3.5E-08	2.46E-05	4.04E-06	1.08E-11	3.26E-11	2.58E-11	3.28E-14	7.92E-13	4.37E-14	8.68983E-13	1.167E-08	9.1097E-07	1.34775E-06	1.10531E-11	1.32637E-13	5.51695E-12	2.20678E-14
354	570350.6	4178359	0.55, 41783	0.12531	0.09043	0.1201	75.30937	28.06345	82.61098	12.55156	4.25756	13.7685	3.9E-08	2.68E-05	4.47E-06	1.2E-11	3.63E-11	2.87E-11	3.65E-14	8.82E-13	4.87E-14	9.66882E-13	1.299E-08	9.9259E-07	1.4891E-06	1.22983E-11	1.4758E-13	6.13848E-12	2.45539E-14
355	570390.6	4178359	0.55, 41783	0.14084	0.10296	0.13441	81.29058	29.71471	90.82388	13.54843	4.53386	15.13731	4.36E-08	2.95E-05	4.91E-06	1.35E-11	4.06E-11	3.21E-11	4.09E-14	9.87E-13	5.45E-14	1.08209E-12	1.454E-08	1.0913E-06	1.63713E-06	1.37637E-11	1.65165E-13	6.86991E-12	2.74797E-14
356	570430.6	4178359	0.55, 41783	0.15989	0.11858	0.15186	87.11605	31.54887	98.44842	14.51934	4.83992	16.40807	4.93E-08	3.19E-05	5.32E-06	1.52E-11	4.59E-11	3.63E-11	4.62E-14	1.11E-12	6.15E-14	1.22258E-12	1.642E-08	1.1829E-06	1.77456E-06	1.55507E-11	1.86608E-13	7.76184E-12	3.10474E-14
357	570470.6	4178359	0.55, 41783	0.18374	0.13844	0.17326	97.3598	33.59814	106.34308	15.36354	5.1813	17.51553	5.62E-08	3.45E-05	5.68E-06	1.73E-11	5.24E-11	4.14E-11	5.27E-14	1.27E-12	7.02E-14	1.39487E-12	1.874E-08	1.2777E-06	1.89433E-06	1.77422E-11	2.12906E-13	8.85567E-12	3.54227E-14
358	570510.6	4178359	0.55, 41783	0.21432	0.16421	0.20002	118.04415	35.93263	125.3205	16.48105	5.5698	18.1537	6.49E-08	4.07E-05	5.89E-06	2E-11	6.05E-11	4.78E-11	6.08E-14	1.47E-12	8.11E-14	1.61032E-12	2.163E-08	1.5057E-06	1.96337E-06	2.04825E-11	2.45791E-13	1.02235E-11	4.0894E-14
359	570550.6	4178359	0.55, 41783	0.25472	0.19842	0.23435	139.50155	38.63371	157.96544	19.4148	6.01971	21.81117	7.6E-08	5.12E-05	7.08E-06	2.35E-11	7.08E-11	5.6E-11	7.12E-14	1.72E-12	9.5E-14	1.88671E-12	2.535E-08	1.898E-06	2.35892E-06	2.39982E-11	2.87978E-13	1.19783E-11	4.7913E-14
360	570590.6	4178359	0.55, 41783	0.30979	0.24497	0.28017	159.83108	41.83842	190.36526	22.23989	6.84975	26.13545	9.09E-08	6.18E-05	8.48E-06	2.81E-11	8.47E-11	6.69E-11	8.52E-14	2.06E-12	1.14E-13	2.25562E-12	3.03E-08	2.2872E-06	2.82657E-06	2.86905E-11	3.44286E-13	1.43203E-11	5.72814E-14
361	570630.6	4178359	0.55, 41783	0.38734	0.31015	0.34391	206.43147	51.05257	211.21178	25.80393	8.50876	28.98998	1.12E-07	6.85E-05	9.41E-06	3.44E-11	1.04E-10	8.21E-11	1.05E-13	2.52E-12	1.39E-13	2.7688E-12	3.719E-08	2.5377E-06	3.13533E-06	3.5218E-11	4.22616E-13	1.75784E-11	7.03137E-14
362	570670.6	4178359	0.55, 41783	0.50063	0.40488	0.43681	262.98595	60.70684	312.78941	32.87324	10.74505	39.09868	1.42E-07	0.000101	1.27E-05	4.37E-11	1.32E-10	1.04E-10	1.33E-13	3.21E-12	1.77E-13	3.51676E-12	4.724E-08	3.7581E-06	4.22855E-06	4.47317E-11	5.3678E-13	2.2327E-11	8.93081E-14
363	570710.6	4178359	0.55, 41783	0.66972	0.54814	0.57453	304.17814	72.14807	380.66102	38.02227	15.71205	47.58263	1.86E-07	0.000123	1.54E-05	5.75E-11	1.74E-10	1.37E-10	1.75E-13	4.22E-12	2.33E-13	4.62558E-12	6.214E-08	4.5736E-06	5.14603E-06	5.88354E-11	7.06025E-13	2.93666E-11	1.17466E-13
364	570750.6	4178359	0.55, 41783	0.90523	0.76876	0.77041	339.35657	85.82023	445.46467	44.72327	21.31802	55.68308	2.5E-07	0.000145	1.81E-05	7.71E-11	2.33E-10	1.84E-10	2.34E-13	5.66E-12	3.12E-13	6.20269E-12	8.332E-08	5.3522E-06	6.0221E-06	7.88956E-11	9.46747E-13	3.93793E-11	1.57517E-13
365	570790.6	4178359	0.55, 41783	1.13154	1.06104	0.98839	377.53193	96.31599	507.3356	54.94081	27.90141	63.41695	3.21E-07	0.000165	2.06E-05	9.9E-11	2.99E-10	2.36E-10	3E-13	7.26E-12	4.01E-13	7.95782E-12	1.069E-07	6.0955E-06	6.85863E-06	1.0122E-10	1.21464E-12	5.05222E-11	2.02089E-13
366	570830.6	4178359	0.55, 41783	1.33226	1.74963	1.18947	411.58415	139.14147	649.42864	69.46909	37.35577	97.59965	3.86E-07	0.000211	3.17E-05	1.19E-10	3.6E-10	2.84E-10	3.62E-13	8.73E-12	4.82E-13	9.57771E-12	1.287E-07	7.8028E-06	1.05551E-05	1.21824E-10	1.46189E-12	6.08064E-11	2.43226E-13
367	570870.6	4178359	0.55, 41783	1.45984	3.38436	1.19217	346.78431	184.49712	847.26971	52.43952	61.49528	124.03925	3.87E-07	0.000275	4.02E-05	1.19E-10	3.61E-10	2.85E-10	3.63E-13	8.76E-12	4.83E-13	9.60272E-12	1.29E-07	1.018E-05	1.34134E-05	1.22142E-10	1.46571E-12	6.09652E-11	2.43861E-13
368	571150.6	4178359	0.55, 41783	17.36196	17.82412	10.70274	1537.79423	258.8776	2153.28101	350.34789	128.93656	372.67701	3.47E-06	0.000699	0.000121	1.07E-09	3.24E-09	2.56E-09	3.25E-12	7.86E-11	4.34E-12	8.61847E-11	1.158E-06	2.5871E-05	4.03063E-05	1.09623E-09	1.31548E-11	5.47164E-10	2.18866E-12
369	571190.6	4178359	0.55, 41783	10.35157	8.16971	8.42586	590.93034	162.31709	1380.32388	161.82999	76.08872	218.22557	2.73E-06	0.000448	7.08E-05	8.44E-10	2.55E-09	2.01E-09	2.56E-12	6.19E-11	3.41E-12	6.78375E-11	9.113E-07	1.6584E-05	2.36006E-05	8.62864E-10	1.03544E-11	4.30683E-10	1.72273E-12
370	571230.6	4178359	0.55, 41783	6.41954	4.85697	6.11014	429.96716	118.18476	649.38165	103.83364	47.29307	136.54892	1.98E-06	0.000211	4.43E-05	6.12E-10	1.85E-09	1.46E-09	1.86E-12	4.49E-11	2.48E-12	4.91911E-11	6.608E-07	7.8021E-06	1.47675E-05	6.25689E-10	7.50827E-12	3.12301E-10	1.24921E-12
371	571270.6	4178359	0.55, 41783	4.24607	3.28764	4.46672	330.34534	97.41521	669.03521	71.25122	30.79427	101.30501	1.45E-06	0.000217	3.29E-05	4.47E-10	1.35E-09	1.07E-09	1.36E-12	3.28E-11	1.81E-12	3.59597E-11	4.831E-07	8.0382E-06	1.09558E-05	4.57392E-10	5.4887E-12	2.28299E-10	9.13196E-13
372	571310.6	4178359	0.55, 41783	3.01802	2.39332	3.29044	280.32399	84.30249	476.5001	47.38187	23.6076	69.83839	1.07E-06	0.000155	2.27E-05	3.29E-10	9.95E-10	7.86E-10	1E-12	2.42E-11	1.33E-12	2.64899E-11	3.559E-07	5.725E-06	7.55273E-06	3.3694E-10	4.04328E-12	1.68177E-10	6.7271E-13
373	571350.6	4178359	0.55, 41783	2.25439	1.82521	2.47896	223.1696	75.03337	276.07803	32.74083	19.24184	47.29925	8.04E-07	8.96E-05	1.53E-05	2.48E-10	7.49E-10	5.92E-10	7.53E-13	1.82E-11	1E-12	1.99571E-11	2.681E-07	3.3171E-06	5.11523E-06	2.53845E-10	3.04614E-12	1.26702E-10	5.06809E-13
374	571390.6	4178359	0.55, 41783	1.7395	1.43625	1.90839	164.0034	68.00709	177.73654	25.39154	16.17569	38.72375	6.19E-07	5.77E-05	1.26E-05	1.91E-10	5.77E-10	4.56E-10	5.8E-13	1.4E-11	7.73E-13	1.53637E-11	2.064E-07	2.1356E-06	4.18778E-06	1.9542E-10	2.34504E-12	9.75402E-11	3.90161E-13
375	571430.6	4178359	0.55, 41783	1.37666	1.15767	1.50113	113.66708	62.41604	162.05892	21.33563	13.79366	30.03325	4.87E-07	5.26E-05	9.74E-06	1.5E-10	4.54E-10	3.58E-10	4.56E-13	1.1E-11	6.08E-13	1.20851E-11	1.623E-07	1.9472E-06	3.248E-06	1.53717E-10	1.8446E-12	7.6725E-11	3.069E-13
376	571470.6	4178359	0.55, 41783	1.11313	0.95193	1.20554	91.64258	57.80687	139.39839	17.74486	11.89568	22.85385	3.91E-07	4.52E-05	7.41E-06	1.21E-10	3.64E-10	2.88E-10	3.66E-13	8.85E-12	4.89E-13	9.70542E-12	1.304E-07	1.6749E-06	2.47161E-06	1.23449E-10	1.48139E-12	6.16172E-11	2.46469E-13
377	571510.6	4178359	0.55, 41783	0.9166	0.79605	0.98663	82.11168	53.90312	116.32041	14.64829	10.35284	20.08654	3.2E-07	3.77E-05	6.52E-06	9.88E-11	2.98E-10	2.36E-10	3E-13	7.24E-12	4E-13	7.94308E-12	1.067E-07	1.3977E-06	2.1723E-06	1.01033E-10	1.21239E-12	5.04286E-11	2.01714E-13
378	571550.6	4178359	0.55, 41783	0.76622	0.67498	0.82026	72.9064	50.52239	102.58687	12.13868	9.07968	17.28494	2.66E-07	3.33E-05	5.61E-06	8.21E-11	2.48E-10	1.96E-10	2.49E-13	6.02E-12	3.32E-13	6.60371E-12	8.871E-08	1.2326E-06	1.86931E-06	8.39964E-11	1.00796E-12	4.19253E-11	1.67701E-13
379	571590.6	4178359	0.55, 41783	0.64386	0.57575	0.68602	65.94968	47.48497	92.44167	10.99161	8.00686	15.40694	2.23E-07	3E-05	5E-06	6.87E-11	2.07E-10	1.64E-10	2.09E-13	5.04E-12	2.78E-13	5.523E-12	7.419E-08	1.1108E-06	1.66621E-06	7.02502E-11	8.43002E-13	3.50641E-11	1.40256E-13
380	570310.6	4178399	0.55, 41783	0.11287	0.08031	0.1093	71.34246	27.87564	79.43468	11.89041	3.82503	13.23911	3.55E-08	2.58E-05	4.3E-06	1.09E-11	3.3E-11	2.61E-11	3.32E-14	8.02E-13	4.43E-14	8.79931E-13	1.182E-08	9.5443E-07	1.43184E-06	1.11923E-11	1.34308E-13	5.58645E-12	2.23458E-14
381	570350.6	4178399	0.55, 41783	0.12665	0.09175	0.12214	75.96419	29.57043	83.22909	12.46202	4.12173	13.80548	3.96E-08	2.7E-05	4.48E-06	1.22E-11	3.69E-11	2.92E-11	3.71E-14	8.97E-13	4.95E-14	9.83305E-13	1.321E-08	1E-06	1.4931E-06	1.25072E-11	1.50087E-13	6.24275E-12	2.4971E-14
382	570390.6	4178399	0.55, 41783	0.1425	0.10434	0.13672	83.29233	31.439	92.96873	13.04897	4.44958	14.404	4.44E-08	3.02E-05	4.67E-06	1.37E-11	4.13E-11	3.26E-11	4.16E-14	1E-12	5.54E-14	1.10069E-12	1.479E-08	1.117E-06	1.55783E-06	1.40003E-11	1.68003E-13	6.98797E-12	2.79519E-14
383	570430.6	4178399	0.55, 41783	0.16211	0.12032	0.15453	91.32735	33.521	103.76057	14.59534	4.81492	15.65812	5.01E-08	3.37E-05	5.08E-06	1.55E-11	4.67E-11	3.69E-11	4.7E-14	1.13E-12	6.26E-14	1.24407E-12	1.671E-08	1.2467E-06	1.69348E-06	1.58241E-11	1.89889E-13	7.8983E-12	3.15932E-14
384	570470.6	4178399	0.55, 41783	0.18668	0.14051	0.17655	100.43451	35.89015	115.76296	16.57018	5.22899	18.35818	5.73E-08	3.76E-05	5.96E-06	1.77E-11	5.34E-11	4.22E-11	5.37E-14	1.3E-12	7.15E-14	1.42136E-12	1.909E-08	1.3909E-06	1.98548E-06	1.8079E-11	2.16948E-13	9.02383E-12	3.60953E-14
385	570510.6	4178399	0.55, 41783	0.21834	0.16684	0.20421	112.76596	38.62084	128.93318	18.79433	5.70408	21.48886	6.63E-08	4.18E-05	6.97E-06	2.04E-11	6.17E-11	4.88E-11	6.21E-14	1.5E-12	8.28E-14	1.64405E-12	2.209E-08	1.5492E-06	2.32405E-06	2.09116E-11	2.50939E-13	1.04376E-11	4.17506E-14
386	570550.6	4178399	0.55, 41783	0.26039	0.20212	0.2399	127.75395	41.82578	149.79254	21.29232	6.25899	24.96542	7.78E-08	4.86E-05	8.1E-06	2.4E-11	7.25E-11	5.73E-11	7.29E-14	1.76E-12	9.72E-14	1.93139E-12	2.595E-08	1.7998E-06	2.70003E-06	2.45665E-11	2.94798E-13	1.22619E-11	4.90477E-14
387	570590.6	4178399	0.55, 41783	0.3185	0.25095	0.28739	144.10526	45.67081	172.10131	24.01754	7.17597	28.68355	9.32E-08	5.58E-05	9.31E-06	2.88E-11	8.69E-11	6.86E-11	8.73E-14	2.11E-12	1.16E-13	2.31375E-12	3.108E-08	2.0678E-06	3.10214E-06	2.94299E-11	3.53158E-13	1.46894E-11	5.87575E-14
388	570630.6	4178399	0.55, 41783	0.40291	0.32135	0.35272	177.65061	50.39519	203.06539	27.05917	8.74903	32.05961	1.14E-07	6.59E-05	1.04E-05	3.53E-11	1.07E-10	8.42E-11	1.07E-13	2.59E-12	1.43E-13	2.83974E-12	3.815E-08	2.4398E-06	3.46727E-06	3.61203E-11	4.33443E-13	1.80288E-11	7.21151E-14
389	570670.6	4178399	0.55, 41783	0.53348	0.4284	0.44753	224.79663	56.41372	278.51402	32.60934	10.76331	39.25369	1.45E-07	9.04E-05	1.27E-05	4.48E-11	1.35E-10	1.07E-10	1.36E-13	3.29E-12	1.81E-13	3.6031E-12	4.84E-08	3.3463E-06	4.2453E-06	4.58299E-11	5.49958E-13	2.28752E-11	9.15006E-14
390	570710.6	4178399	0.55, 41783	0.75271	0.60288	0.59636	297.96202	70.92072	361.49768	41.13122	14.0152	50.83456	1.94E-07	0.000117	1.65E-05	5.97E-11	1.8E-10	1.42E-10	1.81E-13	4.38E-12	2.42E-13	4.80141E-12	6.45E-08	4.3433E-06	5.49774E-06	6.10719E-11	7.32863E-13	3.04829E-11	1.21932E-13
391	570750.6	4178399	0.55, 41783	1.15447	0.90762	0.85203	416.42427	90.04322	551.74774	52.05303	22.1169	68.96847	2.76E-07	0.000179	2.24E-05	8.53E-11	2.58E-10	2.03E-10	2.59E-13	6.26E-12	3.45E-13	6.85997E-12	9.215E-08	6.6291E-06	7.4588E-06	8.72559E-11	1.04707E-12	4.35522E-11	1.74209E-13
392	570790.6	4178399	0.55, 41783	1.70092	1.35462	1.23288	632.44551	121.09647	736.15706	79.05569	31.00919	92.01963	4E-07	0.000239	2.99E-05	1.23E-10	3.73E-10	2.94E-10	3.75E-13	9.05E-12	5E-13	9.92641E-12	1.333E-07	8.8447E-06	9.95203E-06	1.2626E-10	1.51512E-12	6.30202E-11	2.52081E-13
393	570830.6	4178399	0.55, 41783	3.46088	2.976	2.05541	854.46592	185.76652	929.26678	157.19416	64.23703	133.05669	6.67E-07	0.000301	4.32E-05	2.06E-10	6.21E-10	4.91E-10	6.25E-13	1.51E-11	8.33E-13	1.65505E-11	2.223E-07	1.1165E-05	1.43915E-05	2.10515E-10	2.52618E-12	1.05075E-10	4.20299E-13
394	571110.6	4178399	0.55, 41783	4.7766	17.70794	5.53677	386.44752	237.89667	1139.86397	91.74551	117.26543	182.49582	1.8E-06	0.00037	5.92E-05	5.55E-10	1.67E-09	1.32E-09	1.68E-12	4.07E-11	2.25E-12	4.46012E-11	5.992E-07	1.3695E-05	1.97352E-05	5.67308E-10	6.8077E-12	2.83162E-10	1.13265E-12
395	571150.6	4178399	0.55, 41783	4.75682	9.04164	4.75414	493.27775	194.83019	977.82769	91.47407	80.27894	179.74579	1.54E-06	0.000317	5.83E-05	4.76E-10	1.44E-09	1.14E-09	1.45E-12	3.49E-11	1.93E-12	3.82847E-11	5.143E-07	1.1748E-05	1.94378E-05	4.86964E-10	5.84357E-12	2.4306E-10	9.72238E-13
396	571190.6	4178399	0.55, 41783	4.13591	5.67532	3.9763	541.83424	159.29594	784.3481	82.25115	55.55038	130.43816	1.29E-06	0.000254	4.23E-05	3.98E-10	1.2E-09	9.5E-10	1.21E-12	2.92E-11	1.61E-12	3.20171E-11	4.301E-07	9.4238E-06	1.41062E-05	4.07243E-10	4.88692E-12	2.03268E-10	8.13073E-13
397	571230.6	4178399	0.55, 41783	3.34043	3.91116	3.41587	419.25179	113.41297	723.05548	67.92735	42.50701	103.29364	1.11E-06	0.000235	3.35E-05	3.42E-10	1.03E-09	8.16E-10	1.04E-12	2.51E-11	1.38E-12	2.75026E-11	3.695E-07	8.6872E-06	1.11707E-05	3.49821E-10	4.19785E-12	1.74607E-10	6.98426E-13
398	571270.6	4178399	0.55, 41783	2.69096	2.84934	2.72459	276.99568	96.24025	620.23738	46.4546	32.10306	94.16047	8.84E-07	0.000201	3.05E-05	2.73E-10	8.24E-10	6.51E-10	8.28E-13	2E-11	1.1E-12	2.19362E-11	2.947E-07	7.4519E-06	1.01825E-05	2.7902E-10	3.34823E-12	1.39268E-10	5.5707E-13
399	571310.6	4178399	0.55, 41783	2.15304	2.16763	2.23142	240.01182	84.08056	257.12386	39.08125	24.00367	52.53394	7.24E-07	8.34E-05	1.7E-05	2.23E-10	6.75E-10	5.33E-10	6.78E-13	1.64E-11	9.04E-13	1.79653E-11	2.413E-07	3.0894E-06	5.68143E-06	2.28511E-10	2.74213E-12	1.14057E-10	4.56228E-13
400	571350.6	4178399	0.55, 41783	1.74135	1.70512	1.85867	224.12525	73.73672	326.22415	31.06226	18.34101	44.13622	6.03E-07	0.000106	1.43E-05	1.86E-10	5.62E-10	4.44E-10	5.65E-13	1.36E-11	7.53E-13	1.4964E-11	2.01E-07	3.9195E-06	4.77318E-06	1.90336E-10	2.28403E-12	9.50029E-11	3.80012E-13
401	571390.6	4178399	0.55, 41783	1.43215	1.37481	1.54866	207.21833	64.01827	312.56807	26.21992	15.02288	39.07101	5.02E-07	0.000101	1.27E-05	1.55E-10	4.68E-10	3.7E-10	4.71E-13	1.14E-11	6.28E-13	1.24681E-11	1.675E-07	3.7554E-06	4.22536E-06	1.58589E-10	1.90306E-12	7.91566E-11	3.16626E-13
402	571430.6	4178399	0.55, 41783	1.19016	1.12906	1.29293	179.9524	59.14274	244.73255	22.49405	12.88734	30.59157	4.19E-07	7.94E-05	9.93E-06	1.29E-10	3.91E-10	3.09E-10	3.93E-13	9.49E-12	5.24E-13	1.04092E-11	1.398E-07	2.9404E-06	3.3084E-06	1.324E-10	1.5888E-12	6.60853E-11	2.64341E-13
403	571470.6	4178399	0.55, 41783	0.9966	0.93995	1.08271	146.8642	55.47011	170.50633	18.35802	11.23121	21.31329	3.51E-07	5.53E-05	6.92E-06	1.08E-10	3.27E-10	2.59E-10	3.29E-13	7.95E-12	4.39E-13	8.71673E-12	1.171E-07	2.0487E-06	2.30506E-06	1.10873E-10	1.33048E-12	5.53403E-11	2.21361E-13
404	571510.6	4178399	0.55, 41783	0.8441	0.79417	0.91453	113.63796	52.27286	111.23462	14.20474	9.85599	18.36688	2.97E-07	3.61E-05	5.96E-06	9.16E-11	2.76E-10	2.18E-10	2.78E-13	6.71E-12	3.71E-13	7.36274E-12	9.891E-08	1.3366E-06	1.98635E-06	9.36508E-11	1.12381E-12	4.67441E-11	1.86977E-13
405	571550.6	4178399	0.55, 41783	0.71988	0.67749	0.77601	84.04695	49.45688	81.90115	12.59546	8.65245	16.41022	2.52E-07	2.66E-05	5.32E-06	7.77E-11	2.35E-10	1.85E-10	2.36E-13	5.7E-12	3.14E-13	6.24754E-12	8.393E-08	9.8413E-07	1.77474E-06	7.9466E-11	9.53593E-13	3.9664E-11	1.58656E-13
406	571590.6	4178399	0.55, 41783	0.61846	0.58359	0.66441	61.25343	46.95039	82.40366	11.31778	7.65227	14.12983	2.16E-07	2.67E-05	4.58E-06	6.65E-11	2.01E-10	1.59E-10	2.02E-13	4.88E-12	2.69E-13	5.34907E-12	7.186E-08	9.9015E-07	1.52813E-06	6.80379E-11	8.16455E-13	3.39599E-11	1.3584E-13
407	570310.6	4178439	0.55, 41784	0.11265	0.08111	0.10949	78.47962	27.91467	88.7071	13.07994	3.48933	14.78452	3.55E-08	2.88E-05	4.8E-06	1.1E-11	3.31E-11	2.61E-11	3.33E-14	8.04E-13	4.44E-14	8.81462E-13	1.184E-08	1.0658E-06	1.59897E-06	1.12118E-11	1.34542E-13	5.59617E-12	2.23847E-14
408	570350.6	4178439	0.55, 41784	0.12585	0.09139	0.12175	84.54471	29.62734	96.42477	14.09078	3.70342	16.0708	3.95E-08	3.13E-05	5.21E-06	1.22E-11	3.68E-11	2.91E-11	3.7E-14	8.94E-13	4.93E-14	9.80165E-13	1.317E-08	1.1586E-06	1.73808E-06	1.24673E-11	1.49607E-13	6.22281E-12	2.48913E-14
409	570390.6	4178439	0.55, 41784	0.14252	0.10489	0.13706	91.50908	31.67143	105.54781	15.25151	4.06451	17.5913	4.45E-08	3.42E-05	5.71E-06	1.37E-11	4.14E-11	3.27E-11	4.17E-14	1.01E-12	5.55E-14	1.10342E-12	1.482E-08	1.2682E-06	1.90252E-06	1.40351E-11	1.68421E-13	7.00536E-12	2.80214E-14
410	570430.6	4178439	0.55, 41784	0.16313	0.12204	0.15568	99.54775	33.93845	116.15512	16.59129	4.47421	19.35919	5.05E-08	3.77E-05	6.28E-06	1.56E-11	4.71E-11	3.72E-11	4.73E-14	1.14E-12	6.31E-14	1.25333E-12	1.684E-08	1.3956E-06	2.09372E-06	1.59419E-11	1.91302E-13	7.95709E-12	3.18284E-14
411	570470.6	4178439	0.55, 41784	0.18858	0.14267	0.1783	108.92524	36.54882	128.38607	18.15421	4.93599	21.39768	5.78E-08	4.16E-05	6.94E-06	1.79E-11	5.39E-11	4.26E-11	5.42E-14	1.31E-12	7.23E-14	1.43545E-12	1.928E-08	1.5426E-06	2.31418E-06	1.82583E-11	2.19099E-13	9.11328E-12	3.64531E-14
412	570510.6	4178439	0.55, 41784	0.22167	0.16966	0.20722	120.34611	39.98702	143.34164	20.05769	5.68986	23.89027	6.72E-08	4.65E-05	7.75E-06	2.07E-11	6.26E-11	4.95E-11	6.3E-14	1.52E-12	8.4E-14	1.66828E-12	2.241E-08	1.7223E-06	2.58375E-06	2.12198E-11	2.54638E-13	1.05915E-11	4.2366E-14
413	570550.6	4178439	0.55, 41784	0.2658	0.20594	0.24496	134.27176	44.24032	161.13607	22.37863	6.83821	26.85601	7.95E-08	5.23E-05	8.71E-06	2.45E-11	7.41E-11	5.85E-11	7.45E-14	1.8E-12	9.93E-14	1.97213E-12	2.649E-08	1.9361E-06	2.90449E-06	2.50846E-11	3.01016E-13	1.25205E-11	5.00822E-14
414	570590.6	4178439	0.55, 41784	0.3272	0.25654	0.29583	151.91315	49.32778	182.29969	25.31886	8.30482	30.38328	9.6E-08	5.91E-05	9.86E-06	2.96E-11	8.94E-11	7.06E-11	8.99E-14	2.17E-12	1.2E-13	2.38169E-12	3.199E-08	2.1903E-06	3.28596E-06	3.02941E-11	3.63529E-13	1.51208E-11	6.0483E-14
415	570630.6	4178439	0.55, 41784	0.41735	0.33056	0.3671	175.42083	55.6235	213.97884	29.2368	10.21264	34.63299	1.19E-07	6.94E-05	1.12E-05	3.68E-11	1.11E-10	8.77E-11	1.12E-13	2.7E-12	1.49E-13	2.95551E-12	3.97E-08	2.571E-06	3.74558E-06	3.75928E-11	4.51113E-13	1.87637E-11	7.5055E-14
416	570670.6	4178439	0.55, 41784	0.56024	0.44648	0.47194	208.37177	63.80907	268.23017	34.72863	12.75328	41.38807	1.53E-07	8.7E-05	1.34E-05	4.73E-11	1.43E-10	1.13E-10	1.43E-13	3.46E-12	1.91E-13	3.79962E-12	5.104E-08	3.2228E-06	4.47614E-06	4.83295E-11	5.79954E-13	2.41228E-11	9.64911E-14
417	570710.6	4178439	0.55, 41784	0.81434	0.64609	0.63688	258.28683	75.2647	339.8113	43.04781	16.40047	56.02404	2.07E-07	0.00011	1.82E-05	6.38E-11	1.93E-10	1.52E-10	1.94E-13	4.68E-12	2.58E-13	5.12766E-12	6.888E-08	4.0828E-06	6.05891E-06	6.52216E-11	7.82659E-13	3.25542E-11	1.30217E-13
418	570750.6	4178439	0.55, 41784	1.35572	1.03003	0.91926	343.9155	93.10334	457.76974	57.16949	22.25077	76.29496	2.98E-07	0.000149	2.48E-05	9.2E-11	2.78E-10	2.2E-10	2.79E-13	6.75E-12	3.73E-13	7.40139E-12	9.943E-08	5.5E-06	8.25114E-06	9.41425E-11	1.12971E-12	4.69895E-11	1.87958E-13
419	570790.6	4178439	0.55, 41784	3.18264	2.0617	1.49283	571.47263	129.70009	738.76969	95.66015	38.79176	110.20608	4.84E-07	0.00024	3.58E-05	1.49E-10	4.51E-10	3.57E-10	4.54E-13	1.1E-11	6.05E-13	1.20205E-11	1.615E-07	8.8761E-06	1.19189E-05	1.52895E-10	1.83474E-12	7.63148E-11	3.05259E-13
420	571070.6	4178439	0.55, 41784	4.74443	12.25677	5.33303	251.71558	235.3671	557.08631	48.15254	87.29167	78.37734	1.73E-06	0.000181	2.54E-05	5.34E-10	1.61E-09	1.27E-09	1.62E-12	3.92E-11	2.16E-12	4.29505E-11	5.77E-07	6.6936E-06	8.47603E-06	5.46312E-10	6.55574E-12	2.72682E-10	1.09073E-12
421	571110.6	4178439	0.55, 41784	3.89854	10.39914	4.234	292.37938	213.76959	730.76501	54.55193	96.69541	95.26587	1.37E-06	0.000237	3.09E-05	4.24E-10	1.28E-09	1.01E-09	1.29E-12	3.11E-11	1.72E-12	3.41006E-11	4.581E-07	8.7801E-06	1.03023E-05	4.33745E-10	5.20494E-12	2.16496E-10	8.65984E-13
422	571150.6	4178439	0.55, 41784	3.24566	6.14355	3.38328	299.25996	151.74182	537.6659	53.26943	58.88405	104.89405	1.1E-06	0.000174	3.4E-05	3.39E-10	1.02E-09	8.08E-10	1.03E-12	2.48E-11	1.37E-12	2.72446E-11	3.66E-07	6.46E-06	1.13433E-05	3.4654E-10	4.15848E-12	1.72969E-10	6.91877E-13
423	571190.6	4178439	0.55, 41784	2.68652	4.20662	2.81661	319.22111	114.25705	663.08885	45.60302	42.68486	97.00809	9.14E-07	0.000215	3.15E-05	2.82E-10	8.52E-10	6.73E-10	8.56E-13	2.07E-11	1.14E-12	2.26796E-11	3.047E-07	7.9668E-06	1.04904E-05	2.88475E-10	3.4617E-12	1.43987E-10	5.75948E-13
424	571230.6	4178439	0.55, 41784	2.2851	3.10379	2.38014	355.31137	114.374	594.35462	48.25343	33.87475	78.4876	7.72E-07	0.000193	2.55E-05	2.38E-10	7.2E-10	5.68E-10	7.23E-13	1.75E-11	9.65E-13	1.91642E-11	2.574E-07	7.141E-06	8.48795E-06	2.4376E-10	2.92513E-12	1.21669E-10	4.86675E-13
425	571270.6	4178439	0.55, 41784	1.91581	2.39067	2.08735	281.61312	92.35093	457.23387	43.32371	28.45229	65.31912	6.77E-07	0.000148	2.12E-05	2.09E-10	6.31E-10	4.98E-10	6.34E-13	1.53E-11	8.46E-13	1.68061E-11	2.258E-07	5.4936E-06	7.06396E-06	2.13766E-10	2.56519E-12	1.06697E-10	4.2679E-13
426	571310.6	4178439	0.55, 41784	1.62017	1.88774	1.73959	249.98498	75.512	443.82502	38.72011	23.46838	65.04063	5.64E-07	0.000144	2.11E-05	1.74E-10	5.26E-10	4.15E-10	5.29E-13	1.28E-11	7.05E-13	1.40059E-11	1.881E-07	5.3324E-06	7.03371E-06	1.78149E-10	2.13779E-12	8.892E-11	3.5568E-13
427	571350.6	4178439	0.55, 41784	1.36969	1.52492	1.4607	207.90528	71.02603	289.54604	31.99215	18.96422	43.80183	4.74E-07	9.39E-05	1.42E-05	1.46E-10	4.42E-10	3.49E-10	4.44E-13	1.07E-11	5.92E-13	1.17604E-11	1.58E-07	3.4789E-06	4.73705E-06	1.49587E-10	1.79504E-12	7.46636E-11	2.98655E-13
428	571390.6	4178439	0.55, 41784	1.16602	1.25794	1.25769	137.82846	66.02867	157.99714	21.56098	15.29437	27.7078	4.08E-07	5.13E-05	8.99E-06	1.26E-10	3.8E-10	3E-10	3.82E-13	9.23E-12	5.1E-13	1.01258E-11	1.36E-07	1.8984E-06	2.99656E-06	1.28796E-10	1.54555E-12	6.42861E-11	2.57144E-13
429	571430.6	4178439	0.55, 41784	1.00225	1.05165	1.08939	150.81052	60.59063	188.78292	19.07395	12.70811	25.02004	3.53E-07	6.12E-05	8.12E-06	1.09E-10	3.29E-10	2.6E-10	3.31E-13	8E-12	4.42E-13	8.77072E-12	1.178E-07	2.2683E-06	2.70587E-06	1.1156E-10	1.33872E-12	5.5683E-11	2.22732E-13
430	571470.6	4178439	0.55, 41784	0.86528	0.88825	0.94207	153.64691	54.59461	206.40776	19.20586	10.6849	25.80097	3.06E-07	6.7E-05	8.37E-06	9.43E-11	2.85E-10	2.25E-10	2.86E-13	6.92E-12	3.82E-13	7.5846E-12	1.019E-07	2.48E-06	2.79032E-06	9.64728E-11	1.15767E-12	4.81526E-11	1.92611E-13
431	571510.6	4178439	0.55, 41784	0.75493	0.76151	0.82291	144.52703	49.13224	189.90829	18.06588	9.74189	23.73854	2.67E-07	6.16E-05	7.7E-06	8.24E-11	2.49E-10	1.97E-10	2.5E-13	6.04E-12	3.33E-13	6.62521E-12	8.9E-08	2.2817E-06	2.56728E-06	8.42698E-11	1.01124E-12	4.20618E-11	1.68247E-13
432	571550.6	4178439	0.55, 41784	0.65913	0.65716	0.71761	127.58758	46.59598	156.05984	15.94845	8.8858	19.50748	2.33E-07	5.06E-05	6.33E-06	7.18E-11	2.17E-10	1.71E-10	2.18E-13	5.27E-12	2.91E-13	5.77743E-12	7.761E-08	1.8751E-06	2.10973E-06	7.34864E-11	8.81837E-13	3.66794E-11	1.46718E-13
433	571590.6	4178439	0.55, 41784	0.57626	0.57045	0.62441	106.82976	44.35137	118.44703	13.35372	8.08009	14.80588	2.03E-07	3.84E-05	4.8E-06	6.25E-11	1.89E-10	1.49E-10	1.9E-13	4.58E-12	2.53E-13	5.02708E-12	6.753E-08	1.4232E-06	1.60129E-06	6.39423E-11	7.67308E-13	3.19157E-11	1.27663E-13
434	570310.6	4178479	0.55, 41784	0.1113	0.08183	0.10709	74.58423	29.47815	84.27127	11.80727	4.00274	12.56763	3.47E-08	2.73E-05	4.08E-06	1.07E-11	3.24E-11	2.56E-11	3.25E-14	7.86E-13	4.34E-14	8.62145E-13	1.158E-08	1.0125E-06	1.35923E-06	1.09661E-11	1.31593E-13	5.47354E-12	2.18942E-14
435	570350.6	4178479	0.55, 41784	0.12561	0.09388	0.12027	80.0812	31.76761	91.05741	12.83362	4.33491	13.82729	3.9E-08	2.95E-05	4.49E-06	1.2E-11	3.64E-11	2.87E-11	3.66E-14	8.83E-13	4.87E-14	9.68257E-13	1.301E-08	1.0941E-06	1.49547E-06	1.23158E-11	1.4779E-13	6.14722E-12	2.45889E-14
436	570390.6	4178479	0.55, 41784	0.14146	0.10678	0.13471	86.10528	34.01158	98.86723	14.01299	4.67053	15.28263	4.37E-08	3.21E-05	4.96E-06	1.35E-11	4.07E-11	3.22E-11	4.09E-14	9.89E-13	5.46E-14	1.08451E-12	1.457E-08	1.1879E-06	1.65286E-06	1.37945E-11	1.65534E-13	6.88529E-12	2.75412E-14
437	570430.6	4178479	0.55, 41784	0.16075	0.12266	0.15218	93.00088	36.36689	108.11431	15.32204	5.02469	17.00047	4.94E-08	3.51E-05	5.52E-06	1.52E-11	4.6E-11	3.63E-11	4.63E-14	1.12E-12	6.17E-14	1.22516E-12	1.646E-08	1.299E-06	1.83864E-06	1.55835E-11	1.87003E-13	7.77824E-12	3.1113E-14
438	570470.6	4178479	0.55, 41784	0.18644	0.14379	0.17515	101.96042	39.51551	120.09702	16.93263	5.48718	19.18544	5.68E-08	3.9E-05	6.22E-06	1.75E-11	5.29E-11	4.18E-11	5.32E-14	1.29E-12	7.1E-14	1.41009E-12	1.894E-08	1.443E-06	2.07494E-06	1.79358E-11	2.15229E-13	8.95233E-12	3.58093E-14
439	570510.6	4178479	0.55, 41784	0.22079	0.17209	0.20548	113.44919	43.50567	135.70428	18.9082	6.17272	22.02345	6.67E-08	4.4E-05	7.15E-06	2.06E-11	6.21E-11	4.91E-11	6.25E-14	1.51E-12	8.33E-14	1.65428E-12	2.222E-08	1.6305E-06	2.38186E-06	2.10417E-11	2.52501E-13	1.05026E-11	4.20104E-14
440	570550.6	4178479	0.55, 41784	0.2667	0.21004	0.24533	127.7059	48.20733	155.63974	21.28432	7.34053	25.62853	7.96E-08	5.05E-05	8.32E-06	2.46E-11	7.42E-11	5.86E-11	7.46E-14	1.8E-12	9.94E-14	1.97512E-12	2.653E-08	1.87E-06	2.77173E-06	2.51226E-11	3.01472E-13	1.25395E-11	5.0158E-14
441	570590.6	4178479	0.55, 41784	0.32931	0.26248	0.29831	144.67878	53.44745	182.17951	24.11313	8.81975	30.24215	9.68E-08	5.91E-05	9.81E-06	2.99E-11	9.02E-11	7.12E-11	9.07E-14	2.19E-12	1.21E-13	2.40167E-12	3.226E-08	2.1889E-06	3.27067E-06	3.05482E-11	3.66578E-13	1.52476E-11	6.09902E-14
442	570630.6	4178479	0.55, 41784	0.42133	0.33962	0.37314	165.95931	60.05375	219.0797	27.65989	10.77683	36.51328	1.21E-07	7.11E-05	1.18E-05	3.74E-11	1.13E-10	8.91E-11	1.13E-13	2.74E-12	1.51E-13	3.00414E-12	4.036E-08	2.6322E-06	3.94884E-06	3.82114E-11	4.58536E-13	1.90725E-11	7.629E-14
443	570670.6	4178479	0.55, 41784	0.56746	0.46145	0.48445	193.36004	69.0612	272.47405	32.22667	13.5092	45.41234	1.57E-07	8.84E-05	1.47E-05	4.85E-11	1.46E-10	1.16E-10	1.47E-13	3.56E-12	1.96E-13	3.90034E-12	5.24E-08	3.2738E-06	4.91119E-06	4.96106E-11	5.95327E-13	2.47622E-11	9.9049E-14
444	570710.6	4178479	0.55, 41784	0.83023	0.67528	0.66195	236.53606	81.84268	352.22256	39.07222	17.68943	58.70376	2.15E-07	0.000114	1.9E-05	6.63E-11	2E-10	1.58E-10	2.01E-13	4.86E-12	2.68E-13	5.3295E-12	7.159E-08	4.2319E-06	6.34854E-06	6.7789E-11	8.13468E-13	3.38356E-11	1.35343E-13
445	570750.6	4178479	0.55, 41784	1.42426	1.12918	0.97629	342.03514	102.90165	482.1747	49.67165	25.1054	80.36245	3.17E-07	0.000156	2.61E-05	9.78E-11	2.95E-10	2.33E-10	2.97E-13	7.17E-12	3.96E-13	7.86063E-12	1.056E-07	5.7932E-06	8.69072E-06	9.99839E-11	1.19981E-12	4.99051E-11	1.99621E-13
446	570790.6	4178479	0.55, 41784	3.63047	2.75084	1.62936	596.75244	187.47347	722.34167	107.7468	51.23422	120.39028	5.29E-07	0.000234	3.91E-05	1.63E-10	4.93E-10	3.89E-10	4.95E-13	1.2E-11	6.6E-13	1.31208E-11	1.763E-07	8.6789E-06	1.30205E-05	1.66892E-10	2.0027E-12	8.33009E-11	3.33204E-13
447	571030.6	4178479	0.55, 41784	9.40071	15.68167	11.18665	333.68631	267.08575	756.18793	81.11776	110.69164	178.64972	3.63E-06	0.000245	5.8E-05	1.12E-09	3.38E-09	2.67E-09	3.4E-12	8.21E-11	4.53E-12	9.00736E-11	1.21E-06	9.0857E-06	1.9319E-05	1.1457E-09	1.37484E-11	5.71854E-10	2.28742E-12
448	571070.6	4178479	0.55, 41784	5.59712	9.0131	6.53916	216.22006	204.77885	522.16381	54.58514	76.29745	101.00005	2.12E-06	0.000169	3.28E-05	6.55E-10	1.98E-09	1.56E-09	1.99E-12	4.8E-11	2.65E-12	5.26523E-11	7.073E-07	6.2739E-06	1.09223E-05	6.69714E-10	8.03657E-12	3.34276E-10	1.3371E-12
449	571110.6	4178479	0.55, 41784	3.86033	5.8724	4.45436	232.77263	158.88759	526.3096	40.87392	60.11848	68.10823	1.45E-06	0.000171	2.21E-05	4.46E-10	1.35E-09	1.06E-09	1.35E-12	3.27E-11	1.81E-12	3.58653E-11	4.818E-07	6.3236E-06	7.36546E-06	4.56191E-10	5.47429E-12	2.27699E-10	9.10798E-13
450	571150.6	4178479	0.55, 41784	2.87873	4.17215	3.24074	243.47288	131.88403	510.79766	36.94401	47.80365	68.59206	1.05E-06	0.000166	2.23E-05	3.24E-10	9.8E-10	7.74E-10	9.85E-13	2.38E-11	1.31E-12	2.60934E-11	3.505E-07	6.1372E-06	7.41766E-06	3.31896E-10	3.98276E-12	1.6566E-10	6.6264E-13
451	571190.6	4178479	0.55, 41784	2.25924	3.11768	2.54212	272.99859	103.34976	495.79992	40.61499	35.56429	82.63332	8.25E-07	0.000161	2.68E-05	2.55E-10	7.69E-10	6.07E-10	7.73E-13	1.87E-11	1.03E-12	2.0468E-11	2.75E-07	5.9569E-06	8.93599E-06	2.60344E-10	3.12413E-12	1.29946E-10	5.19784E-13
452	571230.6	4178479	0.55, 41784	1.86428	2.43731	2.04705	228.60917	88.43023	428.91859	34.9281	28.65964	53.61482	6.64E-07	0.000139	1.74E-05	2.05E-10	6.19E-10	4.89E-10	6.22E-13	1.5E-11	8.3E-13	1.64818E-11	2.214E-07	5.1533E-06	5.79817E-06	2.09641E-10	2.51569E-12	1.04639E-10	4.18554E-13
453	571270.6	4178479	0.55, 41784	1.58233	1.95726	1.72288	275.18297	89.4878	451.79055	39.56066	24.38596	62.99097	5.59E-07	0.000147	2.04E-05	1.73E-10	5.21E-10	4.11E-10	5.24E-13	1.26E-11	6.98E-13	1.38716E-11	1.863E-07	5.4282E-06	6.81211E-06	1.7644E-10	2.11728E-12	8.80669E-11	3.52268E-13
454	571310.6	4178479	0.55, 41784	1.35793	1.6065	1.5101	222.77943	77.47813	328.49847	32.82803	21.05024	46.46168	4.9E-07	0.000107	1.51E-05	1.51E-10	4.57E-10	3.61E-10	4.59E-13	1.11E-11	6.12E-13	1.21582E-11	1.633E-07	3.9469E-06	5.02467E-06	1.54646E-10	1.85576E-12	7.7189E-11	3.08756E-13
455	571350.6	4178479	0.55, 41784	1.1642	1.33076	1.27594	210.30644	64.61424	297.95893	30.9494	18.13628	42.55235	4.14E-07	9.67E-05	1.38E-05	1.28E-10	3.86E-10	3.05E-10	3.88E-13	9.37E-12	5.17E-13	1.02728E-11	1.38E-07	3.5799E-06	4.60192E-06	1.30666E-10	1.56799E-12	6.52196E-11	2.60878E-13
456	571390.6	4178479	0.55, 41784	1.001	1.11694	1.07653	187.8278	60.73144	278.37154	27.7002	15.35336	39.86006	3.49E-07	9.03E-05	1.29E-05	1.08E-10	3.25E-10	2.57E-10	3.27E-13	7.9E-12	4.36E-13	8.66734E-12	1.164E-07	3.3446E-06	4.31072E-06	1.10245E-10	1.32294E-12	5.50267E-11	2.20107E-13
457	571430.6	4178479	0.55, 41784	0.8626	0.94616	0.9271	141.00765	57.76687	153.44465	20.99683	12.7525	23.01436	3.01E-07	4.98E-05	7.47E-06	9.28E-11	2.8E-10	2.21E-10	2.82E-13	6.81E-12	3.76E-13	7.46422E-12	1.003E-07	1.8437E-06	2.48907E-06	9.49416E-11	1.1393E-12	4.73884E-11	1.89554E-13
458	571470.6	4178479	0.55, 41784	0.75511	0.81334	0.81471	85.41876	54.87579	110.14274	13.60469	11.10539	17.11986	2.64E-07	3.57E-05	5.55E-06	8.16E-11	2.46E-10	1.95E-10	2.48E-13	5.98E-12	3.3E-13	6.55931E-12	8.812E-08	1.3234E-06	1.8515E-06	8.34316E-11	1.00118E-12	4.16434E-11	1.66574E-13
459	571510.6	4178479	0.55, 41784	0.666	0.70453	0.71826	104.54177	51.61661	121.24791	13.06772	9.4895	15.99878	2.33E-07	3.93E-05	5.19E-06	7.19E-11	2.17E-10	1.72E-10	2.18E-13	5.27E-12	2.91E-13	5.78276E-12	7.768E-08	1.4569E-06	1.73027E-06	7.35542E-11	8.8265E-13	3.67133E-11	1.46853E-13
460	571550.6	4178479	0.55, 41784	0.58993	0.61436	0.63446	114.23468	47.78612	141.81512	14.27934	8.47335	17.72689	2.06E-07	4.6E-05	5.75E-06	6.35E-11	1.92E-10	1.52E-10	1.93E-13	4.66E-12	2.57E-13	5.10806E-12	6.862E-08	1.7039E-06	1.91716E-06	6.49724E-11	7.79669E-13	3.24298E-11	1.29719E-13
461	571590.6	4178479	0.55, 41784	0.5248	0.5396	0.56365	114.71837	43.31659	143.69009	14.3398	7.89274	17.96126	1.83E-07	4.66E-05	5.83E-06	5.64E-11	1.7E-10	1.35E-10	1.71E-13	4.14E-12	2.28E-13	4.53796E-12	6.096E-08	1.7265E-06	1.9425E-06	5.77209E-11	6.9265E-13	2.88103E-11	1.15241E-13
462	570310.6	4178519	0.55, 41785	0.10968	0.08323	0.10459	75.92481	30.95134	85.20389	12.65413	4.31611	14.20065	3.39E-08	2.76E-05	4.61E-06	1.05E-11	3.16E-11	2.5E-11	3.18E-14	7.68E-13	4.24E-14	8.42026E-13	1.131E-08	1.0238E-06	1.53583E-06	1.07102E-11	1.28522E-13	5.3458E-12	2.13832E-14
463	570350.6	4178519	0.55, 41785	0.12253	0.09413	0.11632	80.98331	32.52203	91.70345	13.49722	4.56123	15.28391	3.77E-08	2.97E-05	4.96E-06	1.16E-11	3.52E-11	2.78E-11	3.54E-14	8.54E-13	4.71E-14	9.36464E-13	1.258E-08	1.1018E-06	1.65298E-06	1.19114E-11	1.42937E-13	5.94537E-12	2.37815E-14
464	570390.6	4178519	0.55, 41785	0.13706	0.10653	0.12954	86.4192	34.09518	99.00991	14.4032	4.78567	16.50165	4.2E-08	3.21E-05	5.35E-06	1.3E-11	3.92E-11	3.09E-11	3.94E-14	9.51E-13	5.25E-14	1.0429E-12	1.401E-08	1.1896E-06	1.78468E-06	1.32652E-11	1.59183E-13	6.62109E-12	2.64844E-14
465	570430.6	4178519	0.55, 41785	0.15657	0.12308	0.14711	93.48729	36.56809	108.68156	15.58121	5.11226	18.11359	4.77E-08	3.53E-05	5.88E-06	1.47E-11	4.45E-11	3.51E-11	4.47E-14	1.08E-12	5.96E-14	1.18435E-12	1.591E-08	1.3058E-06	1.95901E-06	1.50645E-11	1.80774E-13	7.51916E-12	3.00767E-14
466	570470.6	4178519	0.55, 41785	0.18113	0.14422	0.16907	101.65142	39.2669	120.52836	16.9419	5.47129	20.08806	5.49E-08	3.91E-05	6.52E-06	1.69E-11	5.11E-11	4.04E-11	5.14E-14	1.24E-12	6.85E-14	1.36116E-12	1.829E-08	1.4482E-06	2.17254E-06	1.73133E-11	2.0776E-13	8.64163E-12	3.45665E-14
467	570510.6	4178519	0.55, 41785	0.21556	0.17373	0.19928	112.42418	43.21366	137.68321	18.73736	6.23491	22.9472	6.47E-08	4.47E-05	7.45E-06	2E-11	6.02E-11	4.76E-11	6.06E-14	1.46E-12	8.08E-14	1.60438E-12	2.155E-08	1.6543E-06	2.48174E-06	2.0407E-11	2.44884E-13	1.01858E-11	4.07432E-14
468	570550.6	4178519	0.55, 41785	0.26244	0.21401	0.23948	127.39838	48.06291	159.66591	20.89373	7.26318	26.61098	7.77E-08	5.18E-05	8.63E-06	2.4E-11	7.24E-11	5.72E-11	7.28E-14	1.76E-12	9.71E-14	1.92804E-12	2.59E-08	1.9184E-06	2.87795E-06	2.45238E-11	2.94286E-13	1.22406E-11	4.89624E-14
469	570590.6	4178519	0.55, 41785	0.32438	0.26815	0.29055	146.74921	52.55391	186.84388	23.05175	8.49659	31.14065	9.43E-08	6.06E-05	1.01E-05	2.91E-11	8.78E-11	6.94E-11	8.83E-14	2.13E-12	1.18E-13	2.33922E-12	3.142E-08	2.2449E-06	3.36779E-06	2.97538E-11	3.57046E-13	1.48511E-11	5.94043E-14
470	570630.6	4178519	0.55, 41785	0.41604	0.34788	0.36203	170.82398	60.03664	221.85088	25.41079	10.076	36.97515	1.17E-07	7.2E-05	1.2E-05	3.62E-11	1.09E-10	8.65E-11	1.1E-13	2.66E-12	1.47E-13	2.91473E-12	3.916E-08	2.6655E-06	3.99872E-06	3.70741E-11	4.4489E-13	1.85049E-11	7.40195E-14
471	570670.6	4178519	0.55, 41785	0.56352	0.47347	0.46761	210.6175	71.54419	266.74609	27.95974	12.2085	44.45768	1.52E-07	8.65E-05	1.44E-05	4.68E-11	1.41E-10	1.12E-10	1.42E-13	3.43E-12	1.9E-13	3.76482E-12	5.057E-08	3.205E-06	4.80784E-06	4.78869E-11	5.74642E-13	2.39019E-11	9.56074E-14
472	570710.6	4178519	0.55, 41785	0.82936	0.69158	0.6351	257.30872	94.91316	337.8148	32.16359	16.3308	53.60133	2.06E-07	0.00011	1.74E-05	6.36E-11	1.92E-10	1.52E-10	1.93E-13	4.66E-12	2.57E-13	5.11342E-12	6.869E-08	4.0589E-06	5.79663E-06	6.50405E-11	7.80486E-13	3.24638E-11	1.29855E-13
473	570750.6	4178519	0.55, 41785	1.36529	1.13262	0.93188	327.60111	130.96882	473.41526	45.80096	29.91109	62.68561	3.02E-07	0.000154	2.03E-05	9.33E-11	2.82E-10	2.23E-10	2.83E-13	6.84E-12	3.78E-13	7.50317E-12	1.008E-07	5.6881E-06	6.77928E-06	9.54371E-11	1.14525E-12	4.76357E-11	1.90543E-13
474	570790.6	4178519	0.55, 41785	2.09469	1.90095	1.39228	339.24086	174.34023	730.67406	59.4987	49.70987	91.33426	4.52E-07	0.000237	2.96E-05	1.39E-10	4.21E-10	3.33E-10	4.23E-13	1.02E-11	5.64E-13	1.12106E-11	1.506E-07	8.7789E-06	9.87734E-06	1.42594E-10	1.71113E-12	7.11731E-11	2.84692E-13
475	570990.6	4178519	0.55, 41785	30.9381	16.28557	11.79039	1645.60932	278.46944	1244.70182	444.29015	131.46412	279.7997	3.83E-06	0.000404	9.08E-05	1.18E-09	3.56E-09	2.82E-09	3.58E-12	8.66E-11	4.78E-12	9.49391E-11	1.275E-06	1.4955E-05	3.02667E-05	1.20758E-09	1.4491E-11	6.02744E-10	2.41097E-12
476	571030.6	4178519	0.55, 41785	10.39533	8.05295	7.62595	575.07494	188.36146	999.69988	130.51861	75.45666	173.23921	2.47E-06	0.000324	5.62E-05	7.64E-10	2.31E-09	1.82E-09	2.32E-12	5.6E-11	3.09E-12	6.13989E-11	8.248E-07	1.2011E-05	1.87355E-05	7.80968E-10	9.37161E-12	3.89806E-10	1.55922E-12
477	571070.6	4178519	0.55, 41785	5.62777	5.38206	5.21191	327.13066	151.27996	542.64793	61.45445	56.79768	91.26612	1.69E-06	0.000176	2.96E-05	5.22E-10	1.58E-09	1.24E-09	1.58E-12	3.83E-11	2.11E-12	4.19622E-11	5.637E-07	6.5199E-06	9.87003E-06	5.3374E-10	6.40489E-12	2.66407E-10	1.06563E-12
478	571110.6	4178519	0.55, 41785	3.70135	3.92679	3.70614	194.51307	130.68512	402.95521	41.68788	44.49195	69.09918	1.2E-06	0.000131	2.24E-05	3.71E-10	1.12E-09	8.85E-10	1.13E-12	2.72E-11	1.5E-12	2.9839E-11	4.008E-07	4.8415E-06	7.47263E-06	3.79539E-10	4.55447E-12	1.8944E-10	7.57761E-13
479	571150.6	4178519	0.55, 41785	2.69329	3.00723	2.77155	208.02281	103.35418	440.08145	30.40761	37.50807	55.01018	8.99E-07	0.000143	1.78E-05	2.78E-10	8.38E-10	6.62E-10	8.42E-13	2.03E-11	1.12E-12	2.23145E-11	2.998E-07	5.2875E-06	5.94891E-06	2.83831E-10	3.40598E-12	1.41669E-10	5.66677E-13
480	571190.6	4178519	0.55, 41785	2.08526	2.38411	2.19601	205.94825	100.14217	330.97092	32.90062	31.32752	44.74048	7.13E-07	0.000107	1.45E-05	2.2E-10	6.64E-10	5.24E-10	6.67E-13	1.61E-11	8.9E-13	1.76807E-11	2.375E-07	3.9766E-06	4.83857E-06	2.24891E-10	2.69869E-12	1.1225E-10	4.49001E-13
481	571230.6	4178519	0.55, 41785	1.66362	1.91731	1.76389	215.41751	83.66277	360.55042	30.77393	25.17962	52.13444	5.72E-07	0.000117	1.69E-05	1.77E-10	5.33E-10	4.21E-10	5.36E-13	1.3E-11	7.15E-13	1.42016E-11	1.908E-07	4.332E-06	5.63798E-06	1.80638E-10	2.16765E-12	9.01621E-11	3.60649E-13
482	571270.6	4178519	0.55, 41785	1.38104	1.58176	1.44385	194.90891	74.63088	227.07234	31.16799	21.56574	34.54332	4.68E-07	7.37E-05	1.12E-05	1.45E-10	4.37E-10	3.45E-10	4.39E-13	1.06E-11	5.85E-13	1.16249E-11	1.562E-07	2.7283E-06	3.73594E-06	1.47863E-10	1.77436E-12	7.38033E-11	2.95213E-13
483	571310.6	4178519	0.55, 41785	1.18628	1.33473	1.24995	227.7435	74.01926	353.91479	34.0231	18.88588	51.12416	4.06E-07	0.000115	1.66E-05	1.25E-10	3.78E-10	2.98E-10	3.8E-13	9.18E-12	5.07E-13	1.00637E-11	1.352E-07	4.2522E-06	5.52884E-06	1.28005E-10	1.53606E-12	6.38915E-11	2.55566E-13
484	571350.6	4178519	0.55, 41785	1.02794	1.1349	1.10387	186.21806	66.32591	255.87469	28.09378	16.3212	37.6065	3.58E-07	8.3E-05	1.22E-05	1.11E-10	3.34E-10	2.64E-10	3.36E-13	8.1E-12	4.47E-13	8.88744E-12	1.194E-07	3.0743E-06	4.06706E-06	1.13044E-10	1.35653E-12	5.6424E-11	2.25696E-13
485	571390.6	4178519	0.55, 41785	0.88898	0.96986	0.94947	165.64096	58.31983	230.86073	23.55305	14.40747	29.95608	3.08E-07	7.49E-05	9.72E-06	9.51E-11	2.87E-10	2.27E-10	2.89E-13	6.97E-12	3.85E-13	7.64433E-12	1.027E-07	2.7738E-06	3.23972E-06	9.72325E-11	1.16679E-12	4.85319E-11	1.94127E-13
486	571430.6	4178519	0.55, 41785	0.7696	0.83467	0.8102	166.81635	54.79876	235.11797	23.72844	12.50769	32.6638	2.63E-07	7.63E-05	1.06E-05	8.11E-11	2.45E-10	1.93E-10	2.46E-13	5.95E-12	3.28E-13	6.52306E-12	8.763E-08	2.8249E-06	3.5325E-06	8.29705E-11	9.95646E-13	4.14132E-11	1.65653E-13
487	571470.6	4178519	0.55, 41785	0.67066	0.72494	0.7032	138.40145	51.97552	171.46902	19.82816	10.73341	24.30543	2.28E-07	5.56E-05	7.89E-06	7.04E-11	2.13E-10	1.68E-10	2.14E-13	5.16E-12	2.85E-13	5.66158E-12	7.606E-08	2.0602E-06	2.62863E-06	7.20129E-11	8.64155E-13	3.59439E-11	1.43776E-13
488	571510.6	4178519	0.55, 41785	0.58987	0.63439	0.62004	93.94363	49.66848	89.41667	13.736	9.50533	13.29785	2.01E-07	2.9E-05	4.31E-06	6.21E-11	1.87E-10	1.48E-10	1.88E-13	4.55E-12	2.51E-13	4.99204E-12	6.706E-08	1.0744E-06	1.43825E-06	6.34966E-11	7.61959E-13	3.16932E-11	1.26773E-13
489	571550.6	4178519	0.55, 41785	0.52422	0.55926	0.55249	64.7066	47.53612	82.72316	9.81761	8.44297	11.85775	1.79E-07	2.68E-05	3.85E-06	5.53E-11	1.67E-10	1.32E-10	1.68E-13	4.06E-12	2.24E-13	4.44817E-12	5.975E-08	9.94E-07	1.28242E-06	5.65788E-11	6.78946E-13	2.82403E-11	1.12961E-13
490	571590.6	4178519	0.55, 41785	0.47148	0.49721	0.49682	75.39988	45.27823	83.60413	9.54319	7.49343	11.2302	1.61E-07	2.71E-05	3.64E-06	4.97E-11	1.5E-10	1.19E-10	1.51E-13	3.65E-12	2.01E-13	3.99995E-12	5.373E-08	1.0046E-06	1.21456E-06	5.08777E-11	6.10532E-13	2.53947E-11	1.01579E-13
491	570310.6	4178559	0.55, 41785	0.10731	0.08405	0.10201	76.80272	30.54078	89.48595	12.80045	4.19275	14.91432	3.31E-08	2.9E-05	4.84E-06	1.02E-11	3.08E-11	2.44E-11	3.1E-14	7.49E-13	4.13E-14	8.2126E-13	1.103E-08	1.0752E-06	1.613E-06	1.04461E-11	1.25353E-13	5.21397E-12	2.08559E-14
492	570350.6	4178559	0.55, 41785	0.11907	0.09438	0.11262	82.9813	31.5625	94.82328	13.39224	4.31782	15.80388	3.65E-08	3.08E-05	5.13E-06	1.13E-11	3.4E-11	2.69E-11	3.42E-14	8.27E-13	4.56E-14	9.06683E-13	1.218E-08	1.1393E-06	1.7092E-06	1.15326E-11	1.38391E-13	5.75629E-12	2.30252E-14
493	570390.6	4178559	0.55, 41785	0.1339	0.10748	0.12591	90.55746	32.83588	101.05325	14.07263	4.47793	16.84221	4.09E-08	3.28E-05	5.46E-06	1.26E-11	3.81E-11	3.01E-11	3.83E-14	9.24E-13	5.1E-14	1.01368E-12	1.362E-08	1.2142E-06	1.82149E-06	1.28936E-11	1.54723E-13	6.43561E-12	2.57424E-14
494	570430.6	4178559	0.55, 41785	0.15297	0.12443	0.14282	99.07784	34.42492	111.25467	14.88754	4.68196	18.0897	4.63E-08	3.61E-05	5.87E-06	1.43E-11	4.32E-11	3.41E-11	4.34E-14	1.05E-12	5.79E-14	1.14983E-12	1.545E-08	1.3367E-06	1.9564E-06	1.46253E-11	1.75504E-13	7.29996E-12	2.91998E-14
495	570470.6	4178559	0.55, 41785	0.17711	0.14611	0.16369	108.3811	37.13833	125.77833	15.68816	5.10948	19.33096	5.31E-08	4.08E-05	6.27E-06	1.64E-11	4.95E-11	3.91E-11	4.98E-14	1.2E-12	6.63E-14	1.31786E-12	1.77E-08	1.5112E-06	2.09064E-06	1.67626E-11	2.01151E-13	8.36673E-12	3.34669E-14
496	570510.6	4178559	0.55, 41785	0.21022	0.1758	0.19176	119.02071	41.74654	144.28309	16.67371	5.7123	20.76073	6.22E-08	4.68E-05	6.74E-06	1.92E-11	5.8E-11	4.58E-11	5.83E-14	1.41E-12	7.77E-14	1.54386E-12	2.074E-08	1.7336E-06	2.24526E-06	1.96372E-11	2.35646E-13	9.80154E-12	3.92062E-14
497	570550.6	4178559	0.55, 41785	0.25686	0.21737	0.22998	138.81712	48.97119	169.0217	17.78034	6.5378	22.20322	7.46E-08	5.48E-05	7.2E-06	2.3E-11	6.95E-11	5.49E-11	6.99E-14	1.69E-12	9.32E-14	1.85158E-12	2.487E-08	2.0308E-06	2.40127E-06	2.35513E-11	2.82615E-13	1.17552E-11	4.70208E-14
498	570590.6	4178559	0.55, 41785	0.31921	0.27311	0.27901	158.95656	55.69599	196.40207	19.86957	7.90259	24.55026	9.05E-08	6.37E-05	7.97E-06	2.79E-11	8.43E-11	6.66E-11	8.48E-14	2.05E-12	1.13E-13	2.24634E-12	3.018E-08	2.3598E-06	2.6551E-06	2.85725E-11	3.4287E-13	1.42614E-11	5.70458E-14
499	570630.6	4178559	0.55, 41785	0.41072	0.35398	0.34795	180.38278	65.18573	228.48167	22.54785	9.64997	28.56021	1.13E-07	7.41E-05	9.27E-06	3.48E-11	1.05E-10	8.31E-11	1.06E-13	2.55E-12	1.41E-13	2.80141E-12	3.763E-08	2.7452E-06	3.08876E-06	3.56328E-11	4.27593E-13	1.77855E-11	7.11418E-14
500	570670.6	4178559	0.55, 41785	0.55178	0.47716	0.45068	218.05495	85.23197	290.43238	27.25687	14.02323	36.30405	1.46E-07	9.42E-05	1.18E-05	4.51E-11	1.36E-10	1.08E-10	1.37E-13	3.31E-12	1.83E-13	3.62855E-12	4.874E-08	3.4896E-06	3.92621E-06	4.61536E-11	5.53844E-13	2.30368E-11	9.2147E-14
501	570710.6	4178559	0.55, 41785	0.78132	0.6809	0.62169	244.71244	105.12049	355.26836	32.595	21.74638	44.40855	2.02E-07	0.000115	1.44E-05	6.22E-11	1.88E-10	1.48E-10	1.89E-13	4.56E-12	2.52E-13	5.00545E-12	6.724E-08	4.2686E-06	4.80267E-06	6.36672E-11	7.64007E-13	3.17783E-11	1.27113E-13
502	570750.6	4178559	0.55, 41785	1.13763	1.02831	0.92752	276.33124	124.7524	514.56755	39.47589	32.46528	64.32094	3.01E-07	0.000167	2.09E-05	9.29E-11	2.8E-10	2.21E-10	2.82E-13	6.81E-12	3.76E-13	7.46782E-12	1.003E-07	6.1825E-06	6.95591E-06	9.49875E-11	1.13985E-12	4.74113E-11	1.89645E-13
503	570790.6	4178559	0.55, 41785	1.48115	1.46435	1.34156	285.306	157.20995	776.24295	43.19026	42.97795	97.64972	4.35E-07	0.000252	3.17E-05	1.34E-10	4.06E-10	3.2E-10	4.08E-13	9.85E-12	5.44E-13	1.08013E-11	1.451E-07	9.3263E-06	1.05597E-05	1.37388E-10	1.64866E-12	6.85749E-11	2.743E-13
504	570830.6	4178559	0.55, 41785	2.67811	2.99292	2.3948	342.02881	178.80856	871.65336	66.23843	64.34565	121.28657	7.77E-07	0.000283	3.93E-05	2.4E-10	7.24E-10	5.72E-10	7.28E-13	1.76E-11	9.71E-13	1.92821E-11	2.59E-07	1.0473E-05	1.31162E-05	2.4526E-10	2.94312E-12	1.22417E-10	4.89668E-13
505	570950.6	4178559	0.55, 41785	26.55575	12.00196	5.05287	679.01352	318.67052	1487.06516	280.37281	116.3834	245.48668	1.64E-06	0.000482	7.97E-05	5.06E-10	1.53E-09	1.21E-09	1.54E-12	3.71E-11	2.05E-12	4.06999E-11	5.467E-07	1.7867E-05	2.65517E-05	5.17685E-10	6.21222E-12	2.58393E-10	1.03357E-12
506	570990.6	4178559	0.55, 41785	10.52141	6.96087	4.44153	639.29991	205.65266	1371.63359	133.52138	75.6432	174.17097	1.44E-06	0.000445	5.65E-05	4.45E-10	1.34E-09	1.06E-09	1.35E-12	3.26E-11	1.8E-12	3.57657E-11	4.805E-07	1.648E-05	1.88363E-05	4.54924E-10	5.45908E-12	2.27067E-10	9.08268E-13
507	571030.6	4178559	0.55, 41785	6.12086	4.69941	3.63304	562.31532	143.87555	907.33173	97.52112	53.65332	135.00156	1.18E-06	0.000294	4.38E-05	3.64E-10	1.1E-09	8.68E-10	1.1E-12	2.67E-11	1.47E-12	2.92527E-11	3.93E-07	1.0901E-05	1.46E-05	3.72082E-10	4.46498E-12	1.85718E-10	7.42872E-13
508	571070.6	4178559	0.55, 41785	4.00501	3.46908	2.98955	291.75499	122.4909	364.39166	69.10596	41.80504	75.82917	9.7E-07	0.000118	2.46E-05	2.99E-10	9.04E-10	7.14E-10	9.09E-13	2.2E-11	1.21E-12	2.40704E-11	3.234E-07	4.3782E-06	8.20113E-06	3.06165E-10	3.67398E-12	1.52817E-10	6.11267E-13
509	571110.6	4178559	0.55, 41785	2.89394	2.70355	2.4438	288.47324	105.99812	437.78623	48.03981	36.46899	59.71453	7.93E-07	0.000142	1.94E-05	2.45E-10	7.39E-10	5.84E-10	7.43E-13	1.79E-11	9.9E-13	1.96759E-11	2.643E-07	5.26E-06	6.4581E-06	2.5027E-10	3.00323E-12	1.24918E-10	4.9967E-13
510	571150.6	4178559	0.55, 41785	2.21115	2.17534	2.01472	240.56187	97.79178	377.92847	31.90722	30.3701	47.66793	6.54E-07	0.000123	1.55E-05	2.02E-10	6.09E-10	4.81E-10	6.12E-13	1.48E-11	8.17E-13	1.62211E-11	2.179E-07	4.5408E-06	5.15507E-06	2.06326E-10	2.47591E-12	1.02984E-10	4.11935E-13
511	571190.6	4178559	0.55, 41785	1.76303	1.79806	1.6955	177.14345	83.63267	264.27885	24.55859	26.34777	34.50528	5.5E-07	8.57E-05	1.12E-05	1.7E-10	5.13E-10	4.05E-10	5.15E-13	1.24E-11	6.87E-13	1.36509E-11	1.834E-07	3.1753E-06	3.73163E-06	1.73633E-10	2.0836E-12	8.6666E-11	3.46664E-13
512	571230.6	4178559	0.55, 41785	1.44054	1.50665	1.43503	192.87207	80.98435	306.26039	29.09943	22.26218	51.0434	4.66E-07	9.94E-05	1.66E-05	1.44E-10	4.34E-10	3.43E-10	4.36E-13	1.05E-11	5.82E-13	1.15537E-11	1.552E-07	3.6797E-06	5.51996E-06	1.46959E-10	1.7635E-12	7.33518E-11	2.93407E-13
513	571270.6	4178559	0.55, 41785	1.19178	1.27042	1.20125	167.21575	71.42327	283.3883	22.32638	19.23301	35.42354	3.9E-07	9.19E-05	1.15E-05	1.2E-10	3.63E-10	2.87E-10	3.65E-13	8.82E-12	4.87E-13	9.67154E-12	1.299E-07	3.4049E-06	3.83086E-06	1.23018E-10	1.47621E-12	6.14022E-11	2.45609E-13

514	571310.6	4178559	0.55, 41785	1.01245	1.08581	1.02025	169.23295	65.49002	155.67948	26.6418	16.91234	25.18935	3.31E-07	5.05E-05	8.17E-06	1.02E-10	3.08E-10	2.44E-10	3.1E-13	7.49E-12	4.13E-13	8.21429E-12	1.103E-07	1.8706E-06	2.72441E-06	1.04482E-10	1.25379E-12	5.21504E-11	2.08602E-13
515	571350.6	4178559	0.55, 41785	0.8838	0.94242	0.90608	194.09519	63.64749	285.0024	28.90026	14.99354	40.61241	2.94E-07	9.25E-05	1.32E-05	9.07E-11	2.74E-10	2.16E-10	2.75E-13	6.65E-12	3.67E-13	7.29503E-12	9.8E-08	3.4243E-06	4.3921E-06	9.27896E-11	1.11348E-12	4.63143E-11	1.85257E-13
516	571390.6	4178559	0.55, 41785	0.78025	0.82372	0.8159	158.10154	57.98385	206.74246	23.81897	12.89204	30.22211	2.65E-07	6.71E-05	9.81E-06	8.17E-11	2.47E-10	1.95E-10	2.48E-13	5.99E-12	3.31E-13	6.56892E-12	8.824E-08	2.484E-06	3.26849E-06	8.35538E-11	1.00265E-12	4.17044E-11	1.66817E-13
517	571430.6	4178559	0.55, 41785	0.68512	0.72115	0.71821	137.68904	52.2569	180.06144	18.93914	11.62385	25.68604	2.33E-07	5.84E-05	8.33E-06	7.19E-11	2.17E-10	1.72E-10	2.18E-13	5.27E-12	2.91E-13	5.78239E-12	7.768E-08	2.1635E-06	2.77788E-06	7.35496E-11	8.82595E-13	3.67109E-11	1.46844E-13
518	571470.6	4178559	0.55, 41785	0.60049	0.63425	0.62389	143.56241	49.93475	187.32246	19.90478	10.29716	25.60594	2.02E-07	6.08E-05	8.31E-06	6.25E-11	1.89E-10	1.49E-10	1.9E-13	4.58E-12	2.53E-13	5.02303E-12	6.748E-08	2.2507E-06	2.76925E-06	6.38908E-11	7.66689E-13	3.18899E-11	1.2756E-13
519	571510.6	4178559	0.55, 41785	0.52736	0.56045	0.5447	131.02036	47.72087	167.66109	18.26486	8.99798	23.11602	1.77E-07	5.44E-05	7.5E-06	5.45E-11	1.65E-10	1.3E-10	1.66E-13	4E-12	2.21E-13	4.38547E-12	5.891E-08	2.0145E-06	2.49998E-06	5.57813E-11	6.69376E-13	2.78422E-11	1.11369E-13
520	571550.6	4178559	0.55, 41785	0.46874	0.49944	0.48529	99.50634	45.73793	109.0385	14.05158	8.03042	15.4257	1.57E-07	3.54E-05	5E-06	4.86E-11	1.47E-10	1.16E-10	1.48E-13	3.56E-12	1.97E-13	3.90715E-12	5.249E-08	1.3102E-06	1.66833E-06	4.96973E-11	5.96368E-13	2.48055E-11	9.9222E-14
521	571590.6	4178559	0.55, 41785	0.42104	0.44786	0.43792	63.39282	43.98321	60.02596	9.17705	7.35207	9.24249	1.42E-07	1.95E-05	3E-06	4.38E-11	1.32E-10	1.05E-10	1.33E-13	3.22E-12	1.77E-13	3.52576E-12	4.736E-08	7.213E-07	9.99623E-07	4.48462E-11	5.38154E-13	2.23842E-11	8.95367E-14
522	570310.6	4178599	0.55, 41785	0.10507	0.08466	0.09914	83.25071	28.48032	95.05484	11.19876	3.62883	12.56574	3.22E-08	3.08E-05	4.08E-06	9.93E-12	3E-11	2.37E-11	3.01E-14	7.28E-13	4.02E-14	7.98161E-13	1.072E-08	1.1421E-06	1.35901E-06	1.01523E-11	1.21827E-13	5.06732E-12	2.02693E-14
523	570350.6	4178599	0.55, 41785	0.11716	0.09561	0.10985	88.57329	30.33455	103.53599	11.44069	3.79182	12.942	3.56E-08	3.36E-05	4.2E-06	1.1E-11	3.32E-11	2.62E-11	3.34E-14	8.06E-13	4.45E-14	8.84389E-13	1.188E-08	1.244E-06	1.3997E-06	1.1249E-11	1.34989E-13	5.61476E-12	2.2459E-14
524	570390.6	4178599	0.55, 41785	0.13131	0.10865	0.12235	93.2639	32.45644	112.44406	11.65799	4.05706	14.05551	3.97E-08	3.65E-05	4.56E-06	1.22E-11	3.7E-11	2.92E-11	3.72E-14	8.98E-13	4.96E-14	9.8503E-13	1.323E-08	1.351E-06	1.52011E-06	1.25292E-11	1.5035E-13	6.2537E-12	2.50148E-14
525	570430.6	4178599	0.55, 41785	0.15022	0.126	0.13878	103.53542	36.02365	122.12845	12.94193	4.50296	15.26606	4.5E-08	3.96E-05	4.95E-06	1.39E-11	4.2E-11	3.31E-11	4.22E-14	1.02E-12	5.62E-14	1.11731E-12	1.501E-08	1.4674E-06	1.65104E-06	1.42117E-11	1.70541E-13	7.09353E-12	2.83741E-14
526	570470.6	4178599	0.55, 41785	0.17421	0.14819	0.15942	115.63183	39.91557	131.63773	14.45398	5.34922	16.45472	5.17E-08	4.27E-05	5.34E-06	1.6E-11	4.82E-11	3.81E-11	4.85E-14	1.17E-12	6.46E-14	1.28349E-12	1.724E-08	1.5816E-06	1.77961E-06	1.63254E-11	1.95905E-13	8.14855E-12	3.25942E-14
527	570510.6	4178599	0.55, 41785	0.20799	0.17912	0.18803	128.15759	44.54205	154.67263	16.0197	6.36274	19.33408	6.1E-08	5.02E-05	6.27E-06	1.88E-11	5.68E-11	4.49E-11	5.72E-14	1.38E-12	7.62E-14	1.51384E-12	2.034E-08	1.8584E-06	2.09099E-06	1.92554E-11	2.31065E-13	9.61098E-12	3.84439E-14
528	570550.6	4178599	0.55, 41785	0.25382	0.22088	0.22625	141.74172	51.90419	182.47104	17.71771	7.41488	22.80888	7.34E-08	5.92E-05	7.4E-06	2.27E-11	6.84E-11	5.4E-11	6.88E-14	1.66E-12	9.17E-14	1.82156E-12	2.447E-08	2.1924E-06	2.46675E-06	2.31695E-11	2.78034E-13	1.15646E-11	4.62585E-14
529	570590.6	4178599	0.55, 41785	0.31442	0.27626	0.27638	161.8077	62.94071	207.9054	20.22596	8.27119	25.98817	8.97E-08	6.74E-05	8.43E-06	2.77E-11	8.36E-11	6.6E-11	8.4E-14	2.03E-12	1.12E-13	2.22518E-12	2.989E-08	2.498E-06	2.81059E-06	2.83033E-11	3.3964E-13	1.41271E-11	5.65083E-14
530	570630.6	4178599	0.55, 41785	0.39904	0.35395	0.34775	187.04764	77.01967	233.41259	23.38095	12.20463	29.17657	1.13E-07	7.57E-05	9.47E-06	3.48E-11	1.05E-10	8.3E-11	1.06E-13	2.55E-12	1.41E-13	2.7998E-12	3.761E-08	2.8045E-06	3.15543E-06	3.56123E-11	4.27347E-13	1.77752E-11	7.11009E-14
531	570670.6	4178599	0.55, 41785	0.52025	0.46779	0.4567	203.91154	89.67976	314.96286	27.18561	17.16092	39.37036	1.48E-07	0.000102	1.28E-05	4.57E-11	1.38E-10	1.09E-10	1.39E-13	3.35E-12	1.85E-13	3.67698E-12	4.94E-08	3.7843E-06	4.25775E-06	4.67696E-11	5.61236E-13	2.33442E-11	9.33769E-14
532	570710.6	4178599	0.55, 41785	0.68748	0.63563	0.62617	226.5911	101.22552	383.25212	32.37016	22.387	47.90652	2.03E-07	0.000124	1.55E-05	6.27E-11	1.89E-10	1.5E-10	1.9E-13	4.6E-12	2.54E-13	5.0414E-12	6.772E-08	4.6048E-06	5.18088E-06	6.41245E-11	7.69494E-13	3.20066E-11	1.28026E-13
533	570750.6	4178599	0.55, 41785	0.91976	0.89022	0.88415	243.41497	114.05895	499.75889	34.77357	31.00996	69.4997	2.87E-07	0.000162	2.25E-05	8.85E-11	2.67E-10	2.11E-10	2.69E-13	6.49E-12	3.58E-13	7.11842E-12	9.563E-08	6.0045E-06	7.51573E-06	9.05432E-11	1.08652E-12	4.5193E-11	1.80772E-13
534	570790.6	4178599	0.55, 41785	1.20615	1.22781	1.16033	261.32328	130.44037	537.17009	39.31654	39.06207	73.65107	3.76E-07	0.000174	2.39E-05	1.16E-10	3.51E-10	2.77E-10	3.53E-13	8.52E-12	4.7E-13	9.3421E-12	1.255E-07	6.454E-06	7.96474E-06	1.18828E-10	1.42593E-12	5.93106E-11	2.37242E-13
535	570830.6	4178599	0.55, 41785	1.86035	2.06593	1.53512	307.79075	158.37727	606.96091	57.33573	51.17396	80.52216	4.98E-07	0.000197	2.61E-05	1.54E-10	4.64E-10	3.67E-10	4.67E-13	1.13E-11	6.22E-13	1.23606E-11	1.66E-07	7.2926E-06	8.70821E-06	1.57221E-10	1.88665E-12	7.8474E-11	3.13896E-13
536	570870.6	4178599	0.55, 41785	2.81953	3.8452	1.88016	429.66876	238.19724	679.18896	77.96533	87.47681	90.64703	6.1E-07	0.00022	2.94E-05	1.88E-10	5.69E-10	4.49E-10	5.72E-13	1.38E-11	7.62E-13	1.51415E-11	2.034E-07	8.1606E-06	9.80358E-06	1.92593E-10	2.31112E-12	9.61295E-11	3.84518E-13
537	570910.6	4178599	0.55, 41785	4.21414	6.38342	2.32175	555.65098	273.48442	945.27353	124.98504	103.73159	124.24769	7.54E-07	0.000307	4.03E-05	2.33E-10	7.02E-10	5.55E-10	7.06E-13	1.71E-11	9.41E-13	1.87012E-11	2.512E-07	1.1357E-05	1.34381E-05	2.37871E-10	2.85445E-12	1.18729E-10	4.74916E-13
538	570950.6	4178599	0.55, 41785	4.59898	4.54538	2.28746	563.80012	195.03038	769.06119	96.52509	58.5202	125.1466	7.42E-07	0.000249	4.06E-05	2.29E-10	6.92E-10	5.46E-10	6.95E-13	1.68E-11	9.27E-13	1.84216E-11	2.475E-07	9.2402E-06	1.35344E-05	2.34315E-10	2.81178E-12	1.16954E-10	4.67816E-13
539	570990.6	4178599	0.55, 41785	3.82228	3.4158	2.10211	387.45867	157.86758	722.29473	74.93195	45.58999	97.36969	6.82E-07	0.000234	3.16E-05	2.11E-10	6.36E-10	5.02E-10	6.39E-13	1.54E-11	8.52E-13	1.69273E-11	2.274E-07	8.6782E-06	1.05304E-05	2.15308E-10	2.5837E-12	1.07467E-10	4.29869E-13
540	571030.6	4178599	0.55, 41785	3.02247	2.69987	1.99871	442.17309	124.03841	776.22539	67.82636	38.72372	97.59907	6.49E-07	0.000252	3.17E-05	2E-10	6.04E-10	4.77E-10	6.08E-13	1.47E-11	8.1E-13	1.60935E-11	2.162E-07	9.3261E-06	1.0555E-05	2.04702E-10	2.45643E-12	1.02173E-10	4.08693E-13
541	571070.6	4178599	0.55, 41785	2.43201	2.20804	1.81695	323.32852	105.96293	523.5768	49.87717	32.54487	75.45431	5.9E-07	0.00017	2.45E-05	1.82E-10	5.49E-10	4.34E-10	5.52E-13	1.33E-11	7.36E-13	1.46294E-11	1.965E-07	6.2907E-06	8.16003E-06	1.8608E-10	2.23296E-12	9.28783E-11	3.71513E-13
542	571110.6	4178599	0.55, 41785	1.9361	1.83698	1.53551	285.52756	89.63178	395.42144	42.26506	28.59229	57.87538	4.98E-07	0.000128	1.88E-05	1.54E-10	4.64E-10	3.67E-10	4.67E-13	1.13E-11	6.22E-13	1.23633E-11	1.661E-07	4.7509E-06	6.25907E-06	1.57255E-10	1.88706E-12	7.84912E-11	3.13965E-13
543	571150.6	4178599	0.55, 41785	1.58315	1.55537	1.34493	182.41041	88.91432	301.39134	29.75311	25.20352	37.67392	4.36E-07	9.78E-05	1.22E-05	1.35E-10	4.07E-10	3.21E-10	4.09E-13	9.87E-12	5.45E-13	1.08287E-11	1.455E-07	3.6212E-06	4.0744E-06	1.37736E-10	1.65283E-12	6.87484E-11	2.74994E-13
544	571190.6	4178599	0.55, 41785	1.33739	1.33597	1.20735	189.26194	77.8274	237.13522	24.55337	21.99349	31.52399	3.92E-07	7.69E-05	1.02E-05	1.21E-10	3.65E-10	2.88E-10	3.67E-13	8.86E-12	4.89E-13	9.72081E-12	1.306E-07	2.8492E-06	3.40928E-06	1.23644E-10	1.48373E-12	6.17149E-11	2.4686E-13
545	571230.6	4178599	0.55, 41785	1.14183	1.1549	1.07779	177.02423	70.01737	247.02933	25.42204	18.83046	36.19826	3.5E-07	8.01E-05	1.17E-05	1.08E-10	3.26E-10	2.57E-10	3.28E-13	7.91E-12	4.37E-13	8.67759E-12	1.166E-07	2.9681E-06	3.91471E-06	1.10375E-10	1.3245E-12	5.50918E-11	2.20367E-13
546	571270.6	4178599	0.55, 41785	0.97959	1.00523	0.95378	160.46118	68.49541	236.51718	22.92303	16.81937	33.9008	3.09E-07	7.67E-05	1.1E-05	9.55E-11	2.88E-10	2.28E-10	2.9E-13	7E-12	3.87E-13	7.67911E-12	1.032E-07	2.8418E-06	3.66623E-06	9.76749E-11	1.1721E-12	4.87527E-11	1.95011E-13
547	571310.6	4178599	0.55, 41785	0.84011	0.87488	0.82502	131.92842	62.86665	193.55215	16.49105	15.16442	24.19402	2.68E-07	6.28E-05	7.85E-06	8.26E-11	2.49E-10	1.97E-10	2.51E-13	6.06E-12	3.34E-13	6.64244E-12	8.923E-08	2.3256E-06	2.61648E-06	8.4489E-11	1.01387E-12	4.21711E-11	1.68685E-13
548	571350.6	4178599	0.55, 41785	0.73896	0.77159	0.73066	149.85158	58.69155	153.82017	22.55392	13.49962	22.49489	2.37E-07	4.99E-05	7.3E-06	7.32E-11	2.21E-10	1.74E-10	2.22E-13	5.36E-12	2.96E-13	5.88272E-12	7.903E-08	1.8482E-06	2.43294E-06	7.48256E-11	8.97907E-13	3.73478E-11	1.49391E-13
549	571390.6	4178599	0.55, 41785	0.661	0.68563	0.66671	168.50279	56.32456	235.09945	24.41155	12.10471	32.40344	2.16E-07	7.63E-05	1.05E-05	6.68E-11	2.02E-10	1.59E-10	2.03E-13	4.89E-12	2.7E-13	5.3678E-12	7.211E-08	2.8247E-06	3.50437E-06	6.82761E-11	8.19313E-13	3.40788E-11	1.36315E-13
550	571430.6	4178599	0.55, 41785	0.59511	0.61204	0.61151	136.17098	51.76249	171.68803	20.03651	10.61326	24.28892	1.98E-07	5.57E-05	7.88E-06	6.12E-11	1.85E-10	1.46E-10	1.86E-13	4.49E-12	2.48E-13	4.92334E-12	6.614E-08	2.0629E-06	2.62685E-06	6.26227E-11	7.51473E-13	3.1257E-11	1.25028E-13
551	571470.6	4178599	0.55, 41785	0.53051	0.54561	0.54811	117.9441	47.17442	154.11151	16.84916	9.40387	22.01593	1.78E-07	5E-05	7.14E-06	5.49E-11	1.66E-10	1.31E-10	1.67E-13	4.02E-12	2.22E-13	4.41289E-12	5.928E-08	1.8517E-06	2.38099E-06	5.61301E-11	6.73561E-13	2.80163E-11	1.12065E-13
552	571510.6	4178599	0.55, 41785	0.47218	0.48877	0.48576	120.07824	45.51387	145.12306	16.38718	8.49605	19.65912	1.58E-07	4.71E-05	6.38E-06	4.86E-11	1.47E-10	1.16E-10	1.48E-13	3.57E-12	1.97E-13	3.91092E-12	5.254E-08	1.7437E-06	2.12614E-06	4.97452E-11	5.96942E-13	2.48294E-11	9.93176E-14
553	571550.6	4178599	0.55, 41785	0.42043	0.43954	0.43052	119.99429	43.92883	151.34582	16.43506	7.56489	20.5622	1.4E-07	4.91E-05	6.67E-06	4.31E-11	1.3E-10	1.03E-10	1.31E-13	3.16E-12	1.74E-13	3.46618E-12	4.656E-08	1.8184E-06	2.22379E-06	4.40884E-11	5.2906E-13	2.20059E-11	8.80237E-14
554	571590.6	4178599	0.55, 41785	0.37632	0.39688	0.38556	100.33698	42.40478	116.86516	13.86046	7.00095	16.11187	1.25E-07	3.79E-05	5.23E-06	3.86E-11	1.17E-10	9.21E-11	1.17E-13	2.83E-12	1.56E-13	3.10421E-12	4.17E-08	1.4042E-06	1.74252E-06	3.94842E-11	4.73811E-13	1.97078E-11	7.88313E-14
555	570310.6	4178639	0.55, 41786	0.10356	0.08559	0.09711	83.92303	29.66661	96.15389	10.49038	3.70833	12.01924	3.15E-08	3.12E-05	3.9E-06	9.72E-12	2.94E-11	2.32E-11	2.95E-14	7.13E-13	3.94E-14	7.81823E-13	1.05E-08	1.1553E-06	1.2999E-06	9.94445E-12	1.19333E-13	4.96359E-12	1.98544E-14
556	570350.6	4178639	0.55, 41786	0.1161	0.09716	0.10841	92.63397	32.60646	103.61771	11.57925	4.08084	12.95221	3.52E-08	3.36E-05	4.2E-06	1.09E-11	3.28E-11	2.59E-11	3.3E-14	7.96E-13	4.39E-14	8.72801E-13	1.172E-08	1.245E-06	1.40081E-06	1.11017E-11	1.3322E-13	5.54119E-12	2.21648E-14
557	570390.6	4178639	0.55, 41786	0.13068	0.11086	0.1215	100.54346	34.97331	116.66288	12.56793	4.70976	14.58286	3.94E-08	3.78E-05	4.73E-06	1.22E-11	3.67E-11	2.9E-11	3.69E-14	8.92E-13	4.92E-14	9.78192E-13	1.314E-08	1.4017E-06	1.57715E-06	1.24422E-11	1.49306E-13	6.21029E-12	2.48412E-14
558	570430.6	4178639	0.55, 41786	0.14929	0.12834	0.13819	107.49924	37.52244	130.89362	13.4374	5.36035	16.3617	4.48E-08	4.25E-05	5.31E-06	1.38E-11	4.18E-11	3.3E-11	4.2E-14	1.01E-12	5.6E-14	1.11257E-12	1.495E-08	1.5727E-06	1.76952E-06	1.41514E-11	1.69817E-13	7.0634E-12	2.82536E-14
559	570470.6	4178639	0.55, 41786	0.17443	0.15183	0.16061	116.62505	42.4162	145.19757	14.57813	6.05946	18.1497	5.21E-08	4.71E-05	5.89E-06	1.61E-11	4.86E-11	3.84E-11	4.88E-14	1.18E-12	6.51E-14	1.29308E-12	1.737E-08	1.7446E-06	1.96288E-06	1.64474E-11	1.97368E-13	8.20941E-12	3.28376E-14
560	570510.6	4178639	0.55, 41786	0.20768	0.18277	0.19013	127.00459	48.18252	156.06863	15.87557	6.71257	19.50858	6.17E-08	5.06E-05	6.33E-06	1.9E-11	5.75E-11	4.54E-11	5.78E-14	1.4E-12	7.71E-14	1.53075E-12	2.056E-08	1.8752E-06	2.10985E-06	1.94705E-11	2.33646E-13	9.71833E-12	3.88733E-14
561	570550.6	4178639	0.55, 41786	0.2504	0.22269	0.22841	148.76746	59.99627	172.72318	18.59593	7.58374	21.5904	7.41E-08	5.6E-05	7.01E-06	2.29E-11	6.91E-11	5.45E-11	6.94E-14	1.68E-12	9.26E-14	1.83895E-12	2.47E-08	2.0753E-06	2.33503E-06	2.33907E-11	2.80688E-13	1.1675E-11	4.67001E-14
562	570590.6	4178639	0.55, 41786	0.30521	0.27478	0.27907	162.38276	69.4472	222.88998	20.29784	10.74133	27.86125	9.05E-08	7.23E-05	9.04E-06	2.79E-11	8.44E-11	6.66E-11	8.48E-14	2.05E-12	1.13E-13	2.24682E-12	3.018E-08	2.6781E-06	3.01312E-06	2.85786E-11	3.42944E-13	1.42645E-11	5.7058E-14
563	570630.6	4178639	0.55, 41786	0.37839	0.34592	0.35098	177.15033	78.68271	266.26636	23.7109	14.16715	33.28329	1.14E-07	8.64E-05	1.08E-05	3.51E-11	1.06E-10	8.38E-11	1.07E-13	2.58E-12	1.42E-13	2.82578E-12	3.796E-08	3.1992E-06	3.59948E-06	3.59427E-11	4.31312E-13	1.79401E-11	7.17606E-14
564	570670.6	4178639	0.55, 41786	0.47152	0.44129	0.44999	194.04584	86.02037	313.51443	27.72083	17.24466	39.1893	1.46E-07	0.000102	1.27E-05	4.51E-11	1.36E-10	1.07E-10	1.37E-13	3.3E-12	1.82E-13	3.62291E-12	4.867E-08	3.7669E-06	4.23819E-06	4.60819E-11	5.52982E-13	2.30009E-11	9.20037E-14
565	570710.6	4178639	0.55, 41786	0.59058	0.57043	0.57865	207.44684	93.90742	372.29223	29.63526	21.88085	53.1846	1.88E-07	0.000121	1.73E-05	5.79E-11	1.75E-10	1.38E-10	1.76E-13	4.25E-12	2.35E-13	4.65877E-12	6.258E-08	4.4731E-06	5.7515E-06	5.92575E-11	7.1109E-13	2.95773E-11	1.18309E-13
566	570750.6	4178639	0.55, 41786	0.7421	0.74424	0.7234	219.27007	107.04803	379.32522	31.3243	27.05481	52.15596	2.35E-07	0.000123	1.69E-05	7.24E-11	2.19E-10	1.73E-10	2.2E-13	5.31E-12	2.93E-13	5.82423E-12	7.824E-08	4.5576E-06	5.64033E-06	7.40817E-11	8.8898E-13	3.69765E-11	1.47906E-13
567	570790.6	4178639	0.55, 41786	0.94425	0.97087	0.85006	237.37937	117.94026	412.19598	33.01145	30.70173	55.76703	2.76E-07	0.000134	1.81E-05	8.51E-11	2.57E-10	2.03E-10	2.58E-13	6.24E-12	3.45E-13	6.8442E-12	9.194E-08	4.9525E-06	6.03083E-06	8.70552E-11	1.04466E-12	4.3452E-11	1.73808E-13
568	570830.6	4178639	0.55, 41786	1.23329	1.33292	0.96284	295.25944	130.22679	473.13116	42.69044	39.99654	61.26658	3.12E-07	0.000153	1.99E-05	9.64E-11	2.91E-10	2.3E-10	2.93E-13	7.07E-12	3.9E-13	7.75274E-12	1.041E-07	5.6847E-06	6.62576E-06	9.86115E-11	1.18334E-12	4.92201E-11	1.96881E-13
569	570870.6	4178639	0.55, 41786	1.50989	1.73214	1.20169	317.24906	188.19869	615.93486	58.25942	53.82297	76.99186	3.9E-07	0.0002	2.5E-05	1.2E-10	3.63E-10	2.87E-10	3.65E-13	8.82E-12	4.87E-13	9.67607E-12	1.3E-07	7.4005E-06	8.32652E-06	1.23075E-10	1.47691E-12	6.14309E-11	2.45724E-13
570	570910.6	4178639	0.55, 41786	1.78259	1.99297	1.30656	332.58479	179.86407	638.76492	63.94152	52.98497	79.84561	4.24E-07	0.000207	2.59E-05	1.31E-10	3.95E-10	3.12E-10	3.97E-13	9.59E-12	5.3E-13	1.05207E-11	1.413E-07	7.6747E-06	8.63526E-06	1.33819E-10	1.60583E-12	6.67935E-11	2.67174E-13
571	570950.6	4178639	0.55, 41786	1.86524	1.94862	1.2876	326.77204	147.92341	425.10208	57.64661	41.4452	82.66786	4.18E-07	0.000138	2.68E-05	1.29E-10	3.89E-10	3.08E-10	3.91E-13	9.45E-12	5.22E-13	1.03681E-11	1.393E-07	5.1077E-06	8.94023E-06	1.31877E-10	1.58253E-12	6.58242E-11	2.63297E-13
572	570990.6	4178639	0.55, 41786	1.76592	1.78245	1.25006	311.73236	122.31574	573.48464	43.80696	33.57582	91.70195	4.06E-07	0.000186	2.97E-05	1.25E-10	3.78E-10	2.99E-10	3.8E-13	9.18E-12	5.07E-13	1.00656E-11	1.352E-07	6.8903E-06	9.91663E-06	1.2803E-10	1.53635E-12	6.39036E-11	2.55615E-13
573	571030.6	4178639	0.55, 41786	1.5977	1.58915	1.17717	263.38378	106.70114	334.97263	40.88022	26.80487	57.79917	3.82E-07	0.000109	1.88E-05	1.18E-10	3.56E-10	2.81E-10	3.58E-13	8.64E-12	4.77E-13	9.47845E-12	1.273E-07	4.0248E-06	6.25079E-06	1.20562E-10	1.44674E-12	6.01762E-11	2.40705E-13
574	571070.6	4178639	0.55, 41786	1.42629	1.41473	1.18099	323.91584	92.06505	516.79706	44.84431	24.93328	64.76299	3.83E-07	0.000168	2.1E-05	1.18E-10	3.57E-10	2.82E-10	3.59E-13	8.67E-12	4.79E-13	9.50881E-12	1.277E-07	6.2092E-06	7.00387E-06	1.20948E-10	1.45138E-12	6.0369E-11	2.41476E-13
575	571110.6	4178639	0.55, 41786	1.27265	1.25146	1.07066	231.49813	85.11921	353.08688	34.4516	22.95032	48.16161	3.47E-07	0.000115	1.56E-05	1.07E-10	3.24E-10	2.56E-10	3.25E-13	7.86E-12	4.34E-13	8.62042E-12	1.158E-07	4.2423E-06	5.20853E-06	1.09648E-10	1.31578E-12	5.47288E-11	2.18915E-13
576	571150.6	4178639	0.55, 41786	1.10067	1.1079	0.9372	235.36335	78.49538	345.02109	33.92291	20.75102	48.66179	3.04E-07	0.000112	1.58E-05	9.38E-11	2.83E-10	2.24E-10	2.85E-13	6.88E-12	3.8E-13	7.54589E-12	1.014E-07	4.1454E-06	5.26259E-06	9.59804E-11	1.15177E-12	4.79069E-11	1.91628E-13
577	571190.6	4178639	0.55, 41786	0.96404	0.98605	0.85109	150.10185	73.9658	197.92558	22.00887	18.66835	28.93746	2.76E-07	6.42E-05	9.39E-06	8.52E-11	2.57E-10	2.03E-10	2.59E-13	6.25E-12	3.45E-13	6.85252E-12	9.205E-08	2.3781E-06	3.12953E-06	8.71611E-11	1.04593E-12	4.35049E-11	1.7402E-13
578	571230.6	4178639	0.55, 41786	0.85847	0.87787	0.78438	130.71922	65.23747	181.52397	20.98447	16.26127	28.21366	2.55E-07	5.89E-05	9.15E-06	7.85E-11	2.37E-10	1.87E-10	2.38E-13	5.76E-12	3.18E-13	6.31534E-12	8.484E-08	2.1811E-06	3.05124E-06	8.03284E-11	9.63941E-13	4.00945E-11	1.60378E-13
579	571270.6	4178639	0.55, 41786	0.76521	0.78388	0.72231	147.71702	61.52416	210.17535	22.46264	14.29709	35.02922	2.34E-07	6.82E-05	1.14E-05	7.23E-11	2.18E-10	1.72E-10	2.2E-13	5.3E-12	2.93E-13	5.81554E-12	7.812E-08	2.5253E-06	3.78822E-06	7.39711E-11	8.87653E-13	3.69214E-11	1.47685E-13
580	571310.6	4178639	0.55, 41786	0.67814	0.70066	0.65218	136.41117	59.8434	199.34802	17.34958	13.40052	24.9185	2.12E-07	6.47E-05	8.08E-06	6.53E-11	1.97E-10	1.56E-10	1.98E-13	4.79E-12	2.64E-13	5.25088E-12	7.054E-08	2.3952E-06	2.69484E-06	6.6789E-11	8.01467E-13	3.33365E-11	1.33346E-13
581	571350.6	4178639	0.55, 41786	0.60279	0.6273	0.58324	124.67819	56.4143	162.56927	15.58477	12.33978	20.32116	1.89E-07	5.27E-05	6.59E-06	5.84E-11	1.76E-10	1.39E-10	1.77E-13	4.28E-12	2.36E-13	4.69583E-12	6.308E-08	1.9533E-06	2.1977E-06	5.97289E-11	7.16747E-13	2.98126E-11	1.1925E-13
582	571390.6	4178639	0.55, 41786	0.54567	0.56561	0.53406	134.64293	53.30447	146.45838	19.4501	11.04071	20.47738	1.73E-07	4.75E-05	6.64E-06	5.35E-11	1.61E-10	1.28E-10	1.62E-13	3.92E-12	2.16E-13	4.29985E-12	5.776E-08	1.7597E-06	2.21471E-06	5.46922E-11	6.56306E-13	2.72986E-11	1.09194E-13
583	571430.6	4178639	0.55, 41786	0.50035	0.51255	0.49968	147.79016	50.85435	197.85336	20.77571	9.97795	26.64502	1.62E-07	6.42E-05	8.64E-06	5E-11	1.51E-10	1.19E-10	1.52E-13	3.67E-12	2.03E-13	4.02301E-12	5.404E-08	2.3772E-06	2.88163E-06	5.1171E-11	6.14051E-13	2.55411E-11	1.02164E-13
584	571470.6	4178639	0.55, 41786	0.45884	0.46513	0.46599	118.76181	47.03177	145.5886	16.94782	8.9119	19.9832	1.51E-07	4.72E-05	6.48E-06	4.67E-11	1.41E-10	1.11E-10	1.42E-13	3.42E-12	1.89E-13	3.75174E-12	5.04E-08	1.7493E-06	2.1612E-06	4.77205E-11	5.72646E-13	2.38188E-11	9.52753E-14
585	571510.6	4178639	0.55, 41786	0.41516	0.4204	0.42431	105.04191	43.02213	132.76114	15.00599	7.61313	18.96588	1.38E-07	4.31E-05	6.15E-06	4.25E-11	1.28E-10	1.01E-10	1.29E-13	3.12E-12	1.72E-13	3.41616E-12	4.589E-08	1.5951E-06	2.05114E-06	4.34521E-11	5.21425E-13	2.16883E-11	8.67533E-14
586	571550.6	4178639	0.55, 41786	0.37489	0.38245	0.3824	101.59712	41.64808	125.74417	13.25702	7.0054	15.71802	1.24E-07	4.08E-05	5.1E-06	3.83E-11	1.16E-10	9.13E-11	1.16E-13	2.81E-12	1.55E-13	3.07875E-12	4.136E-08	1.5108E-06	1.69991E-06	3.91603E-11	4.69924E-13	1.95462E-11	7.81847E-14
587	571590.6	4178639	0.55, 41786	0.33863	0.34937	0.34405	106.83121	40.48294	130.44071	14.45913	6.53587	17.55635	1.12E-07	4.23E-05	5.7E-06	3.44E-11	1.04E-10	8.22E-11	1.05E-13	2.53E-12	1.39E-13	2.77E-12	3.721E-08	1.5673E-06	1.89872E-06	3.52332E-11	4.22798E-13	1.7586E-11	7.0344E-14
588	570310.6	4178679	0.55, 41786	0.10291	0.0869	0.09701	88.39628	30.98258	103.31105	11.04953	4.21243	12.91388	3.15E-08	3.35E-05	4.19E-06	9.71E-12	2.93E-11	2.32E-11	2.95E-14	7.12E-13	3.93E-14	7.81021E-13	1.049E-08	1.2413E-06	1.39665E-06	9.93424E-12	1.19211E-13	4.9585E-12	1.9834E-14
589	570350.6	4178679	0.55, 41786	0.11574	0.09888	0.10892	93.23081	33.32166	112.3331	11.65385	4.76024	14.04164	3.53E-08	3.64E-05	4.56E-06	1.09E-11	3.29E-11	2.6E-11	3.31E-14	8E-13	4.41E-14	8.7691E-13	1.178E-08	1.3497E-06	1.51861E-06	1.11539E-11	1.33847E-13	5.56727E-12	2.22691E-14
590	570390.6	4178679	0.55, 41786	0.13137	0.11361	0.12342	99.39798	36.831	119.21549	12.42475	5.26157	14.90194	4E-08	3.87E-05	4.83E-06	1.24E-11	3.73E-11	2.95E-11	3.75E-14	9.06E-13	5E-14	9.93652E-13	1.335E-08	1.4324E-06	1.61165E-06	1.26388E-11	1.51666E-13	6.30844E-12	2.52338E-14
591	570430.6	4178679	0.55, 41786	0.15074	0.13191	0.14135	105.99103	39.73692	126.723	13.24888	5.6767	15.84037	4.59E-08	4.11E-05	5.14E-06	1.42E-11	4.27E-11	3.38E-11	4.3E-14	1.04E-12	5.73E-14	1.13801E-12	1.529E-08	1.5226E-06	1.71314E-06	1.4475E-11	1.737E-13	7.22493E-12	2.88997E-14
592	570470.6	4178679	0.55, 41786	0.17494	0.15487	0.16378	121.69462	47.75873	135.7735	15.21183	5.96984	16.97169	5.31E-08	4.4E-05	5.51E-06	1.64E-11	4.95E-11	3.91E-11	4.98E-14	1.2E-12	6.64E-14	1.3186E-12	1.771E-08	1.6314E-06	1.83553E-06	1.6772E-11	2.01264E-13	8.37144E-12	3.34857E-14
593	570510.6	4178679	0.55, 41786	0.2057	0.18414	0.19253	135.37794	56.46386	170.3708	16.92224	7.12807	21.29635	6.25E-08	5.53E-05	6.91E-06	1.93E-11	5.82E-11	4.6E-11	5.85E-14	1.41E-12	7.8E-14	1.55007E-12	2.082E-08	2.047E-06	2.30318E-06	1.97162E-11	2.36594E-13	9.84099E-12	3.9364E-14
594	570550.6	4178679	0.55, 41786	0.2434	0.22078	0.22908	142.10791	62.60325	200.29273	17.76349	9.55219	25.03659	7.43E-08	6.5E-05	8.12E-06	2.29E-11	6.93E-11	5.47E-11	6.96E-14	1.68E-12	9.28E-14	1.84434E-12	2.478E-08	2.4065E-06	2.70762E-06	2.34592E-11	2.8151E-13	1.17092E-11	4.68369E-14
595	570590.6	4178679	0.55, 41786	0.29132	0.2684	0.27784	157.44437	70.02377	210.9671	21.20731	12.01595	26.37089	9.01E-08	6.84E-05	8.56E-06	2.78E-11	8.4E-11	6.63E-11	8.44E-14	2.04E-12	1.13E-13	2.23691E-12	3.005E-08	2.5348E-06	2.852E-06	2.84525E-11	3.4143E-13	1.42016E-11	5.68062E-14
596	570630.6	4178679	0.55, 41786	0.34871	0.32823	0.33909	170.78411	74.6949	263.98396	24.39773	14.09383	33.40233	1.1E-07	8.56E-05	1.08E-05	3.4E-11	1.03E-10	8.1E-11	1.03E-13	2.49E-12	1.37E-13	2.73004E-12	3.667E-08	3.1718E-06	3.61237E-06	3.47249E-11	4.16698E-13	1.73323E-11	6.93292E-14
597	570670.6	4178679	0.55, 41786	0.41782	0.40379	0.41108	181.29369	80.27499	295.25985	25.8991	15.99045	42.12286	1.33E-07	9.58E-05	1.37E-05	4.12E-11	1.24E-10	9.82E-11	1.25E-13	3.02E-12	1.67E-13	3.30964E-12	4.446E-08	3.5475E-06	4.55533E-06	4.20972E-11	5.05167E-13	2.10121E-11	8.40483E-14
598	570710.6	4178679	0.55, 41786	0.49876	0.49687	0.48618	185.88712	90.92914	287.65142	26.5553	19.21501	39.31628	1.58E-07	9.33E-05	1.28E-05	4.87E-11	1.47E-10	1.16E-10	1.48E-13	3.57E-12	1.97E-13	3.91432E-12	5.258E-08	3.4562E-06	4.25189E-06	4.97884E-11	5.97461E-13	2.4851E-11	9.9404E-14
599	570750.6	4178679	0.55, 41786	0.59336	0.60818	0.55751	195.07014	97.11431	330.72411	27.40212	20.89244	45.57898	1.81E-07	0.000107	1.48E-05	5.58E-11	1.69E-10	1.33E-10	1.69E-13	4.09E-12	2.26E-13	4.48869E-12	6.03E-08	3.9737E-06	4.92907E-06	5.70942E-11	6.8513E-13	2.84975E-11	1.1399E-13
600	570790.6	4178679	0.55, 41786	0.71288	0.74367	0.61675	232.56486	100.08812	327.08033	29.70634	25.09865	40.88504	2E-07	0.000106	1.33E-05	6.18E-11	1.86E-10	1.47E-10	1.87E-13	4.53E-12	2.5E-13	4.9658E-12	6.671E-08	3.9299E-06	4.4216E-06	6.31629E-11	7.57954E-13	3.15266E-11	1.26106E-13
601	570830.6	4178679	0.55, 41786	0.82835	0.8948	0.66469	250.25968	113.32691	367.70207	36.36599	33.16876	46.21837	2.16E-07	0.000119	1.5E-05	6.66E-11	2.01E-10	1.59E-10	2.02E-13	4.88E-12	2.69E-13	5.35199E-12	7.19E-08	4.418E-06	4.99847E-06	6.8075E-11	8.16901E-13	3.39784E-11	1.35914E-13
602	570870.6	4178679	0.55, 41786	0.92801	1.04065	0.83445	269.45277	158.88347	492.55659	39.41339	35.15016	62.53118	2.71E-07	0.00016	2.03E-05	8.36E-11	2.52E-10	1.99E-10	2.54E-13	6.13E-12	3.38E-13	6.71869E-12	9.026E-08	5.9181E-06	6.76239E-06	8.54588E-11	1.02551E-12	4.26552E-11	1.70621E-13
603	570910.6	4178679	0.55, 41786	1.03394	1.13081	0.83809	259.70616	144.94226	471.11442	42.20689	35.5523	58.8893	2.72E-07	0.000153	1.91E-05	8.39E-11	2.53E-10	2E-10	2.55E-13	6.15E-12	3.4E-13	6.74819E-12	9.065E-08	5.6605E-06	6.3687E-06	8.58341E-11	1.03001E-12	4.28425E-11	1.7137E-13
604	570950.6	4178679	0.55, 41786	1.05684	1.13643	0.82319	242.80014	123.49716	418.67106	39.92153	30.15323	58.18912	2.67E-07	0.000136	1.89E-05	8.24E-11	2.49E-10	1.97E-10	2.5E-13	6.04E-12	3.34E-13	6.62828E-12	8.904E-08	5.0303E-06	6.29292E-06	8.43088E-11	1.01171E-12	4.20812E-11	1.68325E-13
605	570990.6	4178679	0.55, 41786	1.01802	1.09421	0.82722	255.86386	105.93706	407.98363	37.15781	26.85338	67.99727	2.68E-07	0.000132	2.21E-05	8.28E-11	2.5E-10	1.98E-10	2.51E-13	6.07E-12	3.35E-13	6.66062E-12	8.948E-08	4.9019E-06	7.35335E-06	8.47202E-11	1.01664E-12	4.22866E-11	1.69146E-13
606	571030.6	4178679	0.55, 41786	0.98373	1.03259	0.8073	224.24787	96.85684	406.17161	32.03518	21.71644	50.77145	2.62E-07	0.000132	1.65E-05	8.08E-11	2.44E-10	1.93E-10	2.45E-13	5.93E-12	3.27E-13	6.50016E-12	8.732E-08	4.8801E-06	5.49065E-06	8.26792E-11	9.9215E-13	4.12678E-11	1.65071E-13
607	571070.6	4178679	0.55, 41786	0.92088	0.95493	0.77727	234.21131	81.25508	306.97474	29.84103	18.74017	38.37184	2.52E-07	9.96E-05	1.24E-05	7.78E-11	2.35E-10	1.86E-10	2.36E-13	5.71E-12	3.15E-13	6.25828E-12	8.407E-08	3.6883E-06	4.14987E-06	7.96026E-11	9.55231E-13	3.97322E-11	1.58929E-13
608	571110.6	4178679	0.55, 41786	0.85296	0.87816	0.75636	249.82687	76.90023	376.11255	32.83771	18.41049	47.06858	2.45E-07	0.000122	1.53E-05	7.57E-11	2.29E-10	1.81E-10	2.3E-13	5.55E-12	3.07E-13	6.08981E-12	8.181E-08	4.5189E-06	5.09029E-06	7.74597E-11	9.29517E-13	3.86626E-11	1.54651E-13
609	571150.6	4178679	0.55, 41786	0.78449	0.80428	0.7091	184.12399	71.8753	265.86204	26.94504	17.68151	37.98029	2.3E-07	8.62E-05	1.23E-05	7.1E-11	2.14E-10	1.69E-10	2.16E-13	5.21E-12	2.87E-13	5.70926E-12	7.67E-08	3.1943E-06	4.10744E-06	7.26193E-11	8.71431E-13	3.62466E-11	1.44986E-13
610	571190.6	4178679	0.55, 41786	0.70872	0.73542	0.64227	192.12547	69.23049	267.93218	27.25383	16.04767	37.1098	2.08E-07	8.69E-05	1.2E-05	6.43E-11	1.94E-10	1.53E-10	1.95E-13	4.72E-12	2.6E-13	5.17119E-12	6.947E-08	3.2192E-06	4.01333E-06	6.57753E-11	7.89304E-13	3.28306E-11	1.31322E-13
611	571230.6	4178679	0.55, 41786	0.64141	0.6715	0.58509	152.95792	62.82263	210.7281	21.78847	14.44714	29.62503	1.9E-07	6.84E-05	9.61E-06	5.86E-11	1.77E-10	1.4E-10	1.78E-13	4.3E-12	2.37E-13	4.71081E-12	6.328E-08	2.5319E-06	3.20387E-06	5.99195E-11	7.19034E-13	2.99078E-11	1.19631E-13
612	571270.6	4178679	0.55, 41786	0.5854	0.61191	0.54631	124.65244	57.66905	171.62004	20.54509	12.75642	28.60334	1.77E-07	5.57E-05	9.28E-06	5.47E-11	1.65E-10	1.3E-10	1.66E-13	4.01E-12	2.21E-13	4.39855E-12	5.909E-08	2.062E-06	3.09336E-06	5.59476E-11	6.71371E-13	2.79252E-11	1.11701E-13
613	571310.6	4178679	0.55, 41786	0.53447	0.5582	0.50849	125.80787	55.1913	171.33448	17.97255	11.70277	24.47635	1.65E-07	5.56E-05	7.94E-06	5.09E-11	1.54E-10	1.21E-10	1.55E-13	3.73E-12	2.06E-13	4.09402E-12	5.5E-08	2.0586E-06	2.64705E-06	5.20742E-11	6.2489E-13	2.59919E-11	1.03968E-13
614	571350.6	4178679	0.55, 41786	0.48504	0.50906	0.46427	111.39997	53.56601	157.83086	13.925	11.19981	19.72886	1.51E-07	5.12E-05	6.4E-06	4.65E-11	1.4E-10	1.11E-10	1.41E-13	3.41E-12	1.88E-13	3.73799E-12	5.021E-08	1.8964E-06	2.13361E-06	4.75456E-11	5.70547E-13	2.37315E-11	9.49261E-14
615	571390.6	4178679	0.55, 41786	0.44312	0.4655	0.42576	107.51836	51.27371	117.14548	13.43979	10.40254	14.64318	1.38E-07	3.8E-05	4.75E-06	4.26E-11	1.29E-10	1.02E-10	1.29E-13	3.13E-12	1.73E-13	3.42793E-12	4.605E-08	1.4076E-06	1.5837E-06	4.36018E-11	5.23221E-13	2.1763E-11	8.70521E-14
616	571430.6	4178679	0.55, 41786	0.41031	0.42684	0.39928	122.12368	48.88835	136.65658	17.23844	9.36082	18.91196	1.3E-07	4.43E-05	6.14E-06	4E-11	1.21E-10	9.53E-11	1.21E-13	2.93E-12	1.62E-13	3.21471E-12	4.319E-08	1.642E-06	2.04538E-06	4.08897E-11	4.90677E-13	2.04094E-11	8.16374E-14
617	571470.6	4178679	0.55, 41786	0.38401	0.39267	0.38101	130.83453	46.56818	169.29762	18.03085	8.50414	22.62935	1.24E-07	5.49E-05	7.34E-06	3.81E-11	1.15E-10	9.1E-11	1.16E-13	2.8E-12	1.54E-13	3.06758E-12	4.121E-08	2.0341E-06	2.44735E-06	3.90183E-11	4.6822E-13	1.94753E-11	7.79011E-14
618	571510.6	4178679	0.55, 41786	0.35733	0.36026	0.36021	104.69184	43.30646	125.50481	14.57371	7.68103	16.95061	1.17E-07	4.07E-05	5.5E-06	3.61E-11	1.09E-10	8.6E-11	1.09E-13	2.64E-12	1.46E-13	2.90009E-12	3.896E-08	1.508E-06	1.83323E-06	3.68879E-11	4.42655E-13	1.8412E-11	7.36478E-14
619	571550.6	4178679	0.55, 41786	0.32923	0.33046	0.33426	93.91251	40.06683	115.0705	13.41607	6.60436	16.43864	1.08E-07	3.73E-05	5.33E-06	3.35E-11	1.01E-10	7.98E-11	1.02E-13	2.45E-12	1.35E-13	2.69116E-12	3.615E-08	1.3826E-06	1.77784E-06	3.42304E-11	4.10765E-13	1.70855E-11	6.83419E-14
620	571590.6	4178679	0.55, 41786	0.30119	0.30402	0.3057	90.51235	37.8645	108.48539	11.49242	5.95997	13.56067	9.92E-08	3.52E-05	4.4E-06	3.06E-11	9.24E-11	7.3E-11	9.29E-14	2.24E-12	1.24E-13	2.46122E-12	3.306E-08	1.3035E-06	1.4666E-06	3.13057E-11	3.75668E-13	1.56257E-11	6.25027E-14
621	570310.6	4178719	0.55, 41787	0.10285	0.08839	0.09803	86.08959	31.99227	98.88317	10.7612	4.57032	12.3604	3.18E-08	3.21E-05	4.01E-06	9.81E-12	2.96E-11	2.34E-11	2.98E-14	7.2E-13	3.97E-14	7.89233E-13	1.06E-08	1.1881E-06	1.3368E-06	1.00387E-11	1.20464E-13	5.01064E-12	2.00426E-14
622	570350.6	4178719	0.55, 41787	0.11563	0.10049	0.11012	90.6137	34.18211	105.82439	11.32671	4.88316	13.22805	3.57E-08	3.43E-05	4.29E-06	1.1E-11	3.33E-11	2.63E-11	3.35E-14	8.08E-13	4.46E-14	8.86572E-13	1.191E-08	1.2715E-06	1.43063E-06	1.12768E-11	1.35322E-13	5.62862E-12	2.25145E-14
623	570390.6	4178719	0.55, 41787	0.13114	0.11521	0.12472	102.01088	38.97546	110.90458	12.75136	5.08393	13.86307	4.05E-08	3.6E-05	4.5E-06	1.25E-11	3.77E-11	2.98E-11	3.79E-14	9.16E-13	5.05E-14	1.00412E-12	1.349E-08	1.3326E-06	1.49933E-06	1.2772E-11	1.53263E-13	6.37489E-12	2.54996E-14
624	570430.6	4178719	0.55, 41787	0.15	0.13322	0.1425	114.28488	46.41789	135.81295	14.28561	5.80224	16.97662	4.62E-08	4.41E-05	5.51E-06	1.43E-11	4.31E-11	3.4E-11	4.33E-14	1.05E-12	5.78E-14	1.14727E-12	1.541E-08	1.6318E-06	1.83603E-06	1.45928E-11	1.75113E-13	7.28371E-12	2.91348E-14
625	570470.6	4178719	0.55, 41787	0.17288	0.1553	0.16447	122.16306	52.59309	158.80652	15.27038	6.67803	19.85082	5.34E-08	5.15E-05	6.44E-06	1.65E-11	4.97E-11	3.93E-11	5E-14	1.21E-12	6.67E-14	1.32415E-12	1.779E-08	1.9081E-06	2.14684E-06	1.68426E-11	2.02112E-13	8.4067E-12	3.36268E-14
626	570510.6	4178719	0.55, 41787	0.1999	0.18201	0.19124	126.87173	56.8638	170.00598	15.85897	8.56143	21.25075	6.21E-08	5.52E-05	6.89E-06	1.91E-11	5.78E-11	4.57E-11	5.81E-14	1.4E-12	7.75E-14	1.53968E-12	2.068E-08	2.0427E-06	2.29822E-06	1.95841E-11	2.35009E-13	9.77503E-12	3.91001E-14
627	570550.6	4178719	0.55, 41787	0.2328	0.21534	0.22528	141.7684	62.68438	190.3461	19.27806	10.36338	23.79326	7.31E-08	6.18E-05	7.72E-06	2.26E-11	6.81E-11	5.38E-11	6.85E-14	1.65E-12	9.13E-14	1.81374E-12	2.436E-08	2.287E-06	2.57323E-06	2.307E-11	2.7684E-13	1.1515E-11	4.60598E-14
628	570590.6	4178719	0.55, 41787	0.2704	0.25529	0.2651	152.6333	65.86327	220.26265	21.80476	11.76563	29.62209	8.6E-08	7.15E-05	9.61E-06	2.65E-11	8.01E-11	6.33E-11	8.06E-14	1.95E-12	1.07E-13	2.13433E-12	2.867E-08	2.6465E-06	3.20355E-06	2.71478E-11	3.25774E-13	1.35503E-11	5.42014E-14
629	570630.6	4178719	0.55, 41787	0.31352	0.30328	0.30884	160.25221	70.5161	243.59554	22.89317	12.52474	34.32359	1E-07	7.9E-05	1.11E-05	3.09E-11	9.34E-11	7.38E-11	9.39E-14	2.27E-12	1.25E-13	2.4865E-12	3.34E-08	2.9268E-06	3.71194E-06	3.16272E-11	3.79526E-13	1.57861E-11	6.31446E-14
630	570670.6	4178719	0.55, 41787	0.36149	0.3594	0.35242	159.13882	79.23774	228.99362	22.73412	14.05012	31.24302	1.14E-07	7.43E-05	1.01E-05	3.53E-11	1.07E-10	8.42E-11	1.07E-13	2.59E-12	1.43E-13	2.83739E-12	3.812E-08	2.7514E-06	3.37885E-06	3.60904E-11	4.33085E-13	1.80139E-11	7.20555E-14
631	570710.6	4178719	0.55, 41787	0.41184	0.42167	0.39325	168.39934	82.78202	268.08178	23.84947	15.22445	37.49142	1.28E-07	8.7E-05	1.22E-05	3.94E-11	1.19E-10	9.39E-11	1.2E-13	2.89E-12	1.59E-13	3.16616E-12	4.253E-08	3.221E-06	4.05449E-06	4.02722E-11	4.83267E-13	2.01012E-11	8.04046E-14
632	570750.6	4178719	0.55, 41787	0.46631	0.48852	0.43046	193.26616	81.97611	266.60906	24.83922	16.78199	33.32613	1.4E-07	8.65E-05	1.08E-05	4.31E-11	1.3E-10	1.03E-10	1.31E-13	3.16E-12	1.74E-13	3.46581E-12	4.656E-08	3.2033E-06	3.60415E-06	4.40836E-11	5.29003E-13	2.20035E-11	8.80141E-14
633	570790.6	4178719	0.55, 41787	0.5297	0.5627	0.45402	208.56721	92.88706	267.98327	26.09236	23.00092	33.50993	1.47E-07	8.69E-05	1.09E-05	4.55E-11	1.37E-10	1.08E-10	1.38E-13	3.33E-12	1.84E-13	3.6556E-12	4.911E-08	3.2199E-06	3.62406E-06	4.64977E-11	5.57972E-13	2.32085E-11	9.28339E-14
634	570830.6	4178719	0.55, 41787	0.58417	0.63922	0.49731	206.25232	102.59816	258.13483	28.9378	25.69667	32.26685	1.61E-07	8.37E-05	1.05E-05	4.98E-11	1.5E-10	1.19E-10	1.51E-13	3.65E-12	2.02E-13	4.0042E-12	5.379E-08	3.1016E-06	3.48973E-06	5.09318E-11	6.11181E-13	2.54217E-11	1.01687E-13
635	570870.6	4178719	0.55, 41787	0.63384	0.71183	0.60618	208.40577	136.85909	408.7133	28.70976	24.7437	51.08916	1.97E-07	0.000133	1.66E-05	6.07E-11	1.83E-10	1.45E-10	1.84E-13	4.45E-12	2.46E-13	4.88064E-12	6.556E-08	4.9107E-06	5.5249E-06	6.20797E-11	7.44956E-13	3.0986E-11	1.23944E-13
636	570910.6	4178719	0.55, 41787	0.68401	0.75343	0.58123	211.07044	124.31957	366.90455	30.70854	25.49482	45.86307	1.89E-07	0.000119	1.49E-05	5.82E-11	1.76E-10	1.39E-10	1.77E-13	4.27E-12	2.36E-13	4.67992E-12	6.287E-08	4.4084E-06	4.95989E-06	5.95265E-11	7.14318E-13	2.97116E-11	1.18846E-13
637	570950.6	4178719	0.55, 41787	0.69007	0.76497	0.57081	207.10313	108.18225	376.87466	30.79195	24.65468	47.10933	1.85E-07	0.000122	1.53E-05	5.72E-11	1.73E-10	1.36E-10	1.74E-13	4.19E-12	2.31E-13	4.59607E-12	6.174E-08	4.5281E-06	5.09464E-06	5.84601E-11	7.01521E-13	2.91793E-11	1.16717E-13
638	570990.6	4178719	0.55, 41787	0.68048	0.74999	0.58632	206.58356	95.47159	294.44278	32.17827	21.60129	36.80535	1.9E-07	9.55E-05	1.19E-05	5.87E-11	1.77E-10	1.4E-10	1.78E-13	4.31E-12	2.38E-13	4.72088E-12	6.342E-08	3.5378E-06	3.98056E-06	6.00475E-11	7.20571E-13	2.99717E-11	1.19887E-13
639	571030.6	4178719	0.55, 41787	0.66194	0.72353	0.59736	210.3532	86.11281	328.15995	30.372	18.42489	51.15716	1.94E-07	0.000106	1.66E-05	5.98E-11	1.81E-10	1.43E-10	1.82E-13	4.39E-12	2.42E-13	4.80968E-12	6.461E-08	3.9428E-06	5.5323E-06	6.11771E-11	7.34125E-13	3.05354E-11	1.22142E-13
640	571070.6	4178719	0.55, 41787	0.64029	0.68839	0.56269	181.70859	76.31707	252.84162	22.73215	15.52213	31.6052	1.83E-07	8.2E-05	1.03E-05	5.63E-11	1.7E-10	1.34E-10	1.71E-13	4.13E-12	2.28E-13	4.53055E-12	6.086E-08	3.0379E-06	3.41801E-06	5.76267E-11	6.9152E-13	2.87633E-11	1.15053E-13
641	571110.6	4178719	0.55, 41787	0.60626	0.64543	0.53034	207.95149	70.27092	268.27126	26.16426	14.32632	33.53391	1.72E-07	8.7E-05	1.09E-05	5.31E-11	1.6E-10	1.27E-10	1.61E-13	3.89E-12	2.15E-13	4.27008E-12	5.736E-08	3.2233E-06	3.62665E-06	5.43135E-11	6.51762E-13	2.71096E-11	1.08438E-13
642	571150.6	4178719	0.55, 41787	0.57256	0.60327	0.52806	200.64391	66.12781	289.68563	25.68735	14.52342	36.23202	1.71E-07	9.4E-05	1.18E-05	5.29E-11	1.6E-10	1.26E-10	1.61E-13	3.88E-12	2.14E-13	4.25163E-12	5.711E-08	3.4805E-06	3.91837E-06	5.4079E-11	6.48947E-13	2.69925E-11	1.0797E-13
643	571190.6	4178719	0.55, 41787	0.53842	0.56251	0.50995	154.3512	63.9477	213.38711	22.19645	14.00077	30.48387	1.65E-07	6.92E-05	9.89E-06	5.11E-11	1.54E-10	1.22E-10	1.55E-13	3.74E-12	2.07E-13	4.10578E-12	5.516E-08	2.5639E-06	3.29675E-06	5.22238E-11	6.26685E-13	2.60665E-11	1.04266E-13
644	571230.6	4178719	0.55, 41787	0.49735	0.52247	0.4676	159.72675	60.41971	199.28282	22.34048	12.75874	27.30767	1.52E-07	6.46E-05	8.86E-06	4.68E-11	1.41E-10	1.12E-10	1.42E-13	3.43E-12	1.9E-13	3.76482E-12	5.057E-08	2.3944E-06	2.95332E-06	4.78869E-11	5.74643E-13	2.39019E-11	9.56075E-14
645	571270.6	4178719	0.55, 41787	0.45612	0.4836	0.42898	144.14128	55.22387	195.55309	20.17616	11.51496	26.9261	1.39E-07	6.34E-05	8.74E-06	4.3E-11	1.3E-10	1.02E-10	1.3E-13	3.15E-12	1.74E-13	3.45388E-12	4.64E-08	2.3496E-06	2.912E-06	4.39319E-11	5.27183E-13	2.19278E-11	8.77113E-14
646	571310.6	4178719	0.55, 41787	0.42006	0.44717	0.39945	118.44349	52.26024	154.81704	17.97136	10.56882	25.80284	1.3E-07	5.02E-05	8.37E-06	4E-11	1.21E-10	9.54E-11	1.21E-13	2.93E-12	1.62E-13	3.21612E-12	4.32E-08	1.8602E-06	2.79048E-06	4.09077E-11	4.90892E-13	2.04183E-11	8.16733E-14
647	571350.6	4178719	0.55, 41787	0.38785	0.41385	0.37184	109.17018	50.24459	147.83356	14.07795	10.0186	18.4792	1.21E-07	4.8E-05	6E-06	3.72E-11	1.12E-10	8.88E-11	1.13E-13	2.73E-12	1.51E-13	2.99382E-12	4.022E-08	1.7763E-06	1.99849E-06	3.808E-11	4.56961E-13	1.9007E-11	7.60279E-14
648	571390.6	4178719	0.55, 41787	0.35875	0.38356	0.34391	87.70597	48.80309	113.13015	10.96325	9.64341	14.14127	1.12E-07	3.67E-05	4.59E-06	3.44E-11	1.04E-10	8.21E-11	1.05E-13	2.53E-12	1.39E-13	2.76894E-12	3.72E-08	1.3593E-06	1.52936E-06	3.52198E-11	4.22637E-13	1.75793E-11	7.03172E-14
649	571430.6	4178719	0.55, 41787	0.33385	0.35563	0.32061	80.9107	47.09106	69.47289	11.59229	8.99084	10.76512	1.04E-07	2.25E-05	3.49E-06	3.21E-11	9.69E-11	7.66E-11	9.75E-14	2.35E-12	1.3E-13	2.58134E-12	3.468E-08	8.3481E-07	1.16433E-06	3.28336E-11	3.94003E-13	1.63883E-11	6.55531E-14
650	571470.6	4178719	0.55, 41787	0.31507	0.33052	0.30587	111.40642	45.19171	126.48359	15.57659	8.16367	17.53078	9.92E-08	4.1E-05	5.69E-06	3.06E-11	9.25E-11	7.3E-11	9.3E-14	2.25E-12	1.24E-13	2.46265E-12	3.308E-08	1.5197E-06	1.89599E-06	3.13238E-11	3.75886E-13	1.56347E-11	6.25389E-14
651	571510.6	4178719	0.55, 41787	0.29891	0.30701	0.29518	116.70467	43.07153	146.87884	15.95519	7.46065	19.6972	9.58E-08	4.76E-05	6.39E-06	2.96E-11	8.92E-11	7.05E-11	8.97E-14	2.17E-12	1.2E-13	2.37655E-12	3.193E-08	1.7648E-06	2.13025E-06	3.02287E-11	3.62745E-13	1.50881E-11	6.03525E-14
652	571550.6	4178719	0.55, 41787	0.28299	0.28542	0.28355	93.20798	40.2806	109.70993	12.81909	6.80365	14.78577	9.2E-08	3.56E-05	4.8E-06	2.84E-11	8.57E-11	6.77E-11	8.62E-14	2.08E-12	1.15E-13	2.2829E-12	3.067E-08	1.3182E-06	1.5991E-06	2.90375E-11	3.4845E-13	1.44935E-11	5.79742E-14
653	571590.6	4178719	0.55, 41787	0.2649	0.26495	0.26753	84.18961	37.57199	100.50298	12.02709	5.93847	14.35757	8.68E-08	3.26E-05	4.66E-06	2.68E-11	8.09E-11	6.39E-11	8.13E-14	1.96E-12	1.08E-13	2.15391E-12	2.893E-08	1.2076E-06	1.55278E-06	2.73968E-11	3.28762E-13	1.36746E-11	5.46985E-14
654	570310.6	4178759	0.55, 41787	0.10291	0.08971	0.0989	86.89901	32.22927	93.76167	10.86238	4.40505	11.72021	3.21E-08	3.04E-05	3.8E-06	9.9E-12	2.99E-11	2.36E-11	3.01E-14	7.26E-13	4.01E-14	7.96239E-13	1.07E-08	1.1266E-06	1.26758E-06	1.01278E-11	1.21534E-13	5.05511E-12	2.02205E-14
655	570350.6	4178759	0.55, 41787	0.11544	0.10167	0.11074	97.89636	38.6449	111.66772	12.23704	4.83061	13.95846	3.59E-08	3.62E-05	4.53E-06	1.11E-11	3.35E-11	2.64E-11	3.37E-14	8.13E-13	4.49E-14	8.91564E-13	1.198E-08	1.3417E-06	1.50963E-06	1.13403E-11	1.36084E-13	5.66031E-12	2.26412E-14
656	570390.6	4178759	0.55, 41787	0.13027	0.11595	0.12485	105.67733	44.34348	129.76492	13.20967	5.54293	16.22061	4.05E-08	4.21E-05	5.26E-06	1.25E-11	3.77E-11	2.98E-11	3.79E-14	9.17E-13	5.06E-14	1.00517E-12	1.35E-08	1.5592E-06	1.75426E-06	1.27853E-11	1.53423E-13	6.38154E-12	2.55262E-14
657	570430.6	4178759	0.55, 41787	0.14773	0.133	0.14184	109.21499	48.49986	141.11126	13.65187	6.24447	17.63891	4.6E-08	4.58E-05	5.72E-06	1.42E-11	4.29E-11	3.39E-11	4.31E-14	1.04E-12	5.75E-14	1.14195E-12	1.534E-08	1.6955E-06	1.90762E-06	1.45252E-11	1.74302E-13	7.24998E-12	2.89999E-14
658	570470.6	4178759	0.55, 41787	0.16767	0.15301	0.16202	117.79795	52.53636	140.35154	14.72474	7.71399	17.54394	5.26E-08	4.55E-05	5.69E-06	1.62E-11	4.9E-11	3.87E-11	4.92E-14	1.19E-12	6.57E-14	1.30443E-12	1.752E-08	1.6864E-06	1.89739E-06	1.65917E-11	1.99101E-13	8.28147E-12	3.31259E-14
659	570510.6	4178759	0.55, 41787	0.191	0.17712	0.1864	128.29828	56.17436	171.94141	17.6792	9.03197	21.49268	6.05E-08	5.58E-05	6.97E-06	1.87E-11	5.64E-11	4.45E-11	5.67E-14	1.37E-12	7.55E-14	1.50071E-12	2.016E-08	2.0659E-06	2.32443E-06	1.90884E-11	2.29061E-13	9.52763E-12	3.81105E-14
660	570550.6	4178759	0.55, 41787	0.21672	0.20498	0.21341	137.63049	58.52483	184.29573	19.6615	9.95092	26.17497	6.92E-08	5.98E-05	8.49E-06	2.14E-11	6.45E-11	5.1E-11	6.49E-14	1.57E-12	8.65E-14	1.71817E-12	2.308E-08	2.2143E-06	2.83077E-06	2.18544E-11	2.62253E-13	1.09082E-11	4.3633E-14
661	570590.6	4178759	0.55, 41787	0.24504	0.23724	0.24166	142.23889	62.68425	205.21483	20.31984	10.25836	28.57469	7.84E-08	6.66E-05	9.27E-06	2.42E-11	7.31E-11	5.77E-11	7.35E-14	1.77E-12	9.79E-14	1.94563E-12	2.614E-08	2.4657E-06	3.09026E-06	2.47475E-11	2.9697E-13	1.23523E-11	4.94091E-14
662	570630.6	4178759	0.55, 41787	0.27554	0.27375	0.26892	139.19636	70.02218	188.40794	19.61007	11.07526	25.7042	8.73E-08	6.11E-05	8.34E-06	2.69E-11	8.13E-11	6.42E-11	8.17E-14	1.97E-12	1.09E-13	2.16512E-12	2.909E-08	2.2638E-06	2.77987E-06	2.75394E-11	3.30472E-13	1.37458E-11	5.49831E-14
663	570670.6	4178759	0.55, 41787	0.30614	0.31293	0.29402	149.31547	72.47289	221.2081	21.10931	12.07881	31.37185	9.54E-08	7.18E-05	1.02E-05	2.94E-11	8.89E-11	7.02E-11	8.94E-14	2.16E-12	1.19E-13	2.36723E-12	3.18E-08	2.6578E-06	3.39273E-06	3.01102E-11	3.61322E-13	1.50289E-11	6.01158E-14
664	570710.6	4178759	0.55, 41787	0.33494	0.35231	0.31792	164.794	71.08708	213.69891	21.55176	13.08376	26.71236	1.03E-07	6.93E-05	8.67E-06	3.18E-11	9.61E-11	7.59E-11	9.66E-14	2.33E-12	1.29E-13	2.55968E-12	3.439E-08	2.5676E-06	2.88893E-06	3.25581E-11	3.90697E-13	1.62508E-11	6.50031E-14
665	570750.6	4178759	0.55, 41787	0.36674	0.3924	0.33661	179.38877	78.60477	216.64393	22.4236	16.36841	27.08049	1.09E-07	7.03E-05	8.79E-06	3.37E-11	1.02E-10	8.04E-11	1.02E-13	2.47E-12	1.36E-13	2.71021E-12	3.641E-08	2.603E-06	2.92876E-06	3.44726E-11	4.13672E-13	1.72064E-11	6.88256E-14
666	570790.6	4178759	0.55, 41787	0.40357	0.43625	0.34677	166.36606	82.34558	242.62848	21.7564	19.87746	30.35713	1.13E-07	7.87E-05	9.85E-06	3.47E-11	1.05E-10	8.28E-11	1.05E-13	2.55E-12	1.41E-13	2.79208E-12	3.751E-08	2.9152E-06	3.28303E-06	3.5514E-11	4.26168E-13	1.77262E-11	7.09047E-14
667	570830.6	4178759	0.55, 41787	0.43354	0.48203	0.39259	188.6599	98.62945	246.30784	24.95504	19.43466	30.78848	1.27E-07	7.99E-05	9.99E-06	3.93E-11	1.19E-10	9.38E-11	1.19E-13	2.88E-12	1.59E-13	3.16098E-12	4.246E-08	2.9595E-06	3.32976E-06	4.02063E-11	4.82475E-13	2.00682E-11	8.02729E-14
668	570870.6	4178759	0.55, 41787	0.46387	0.52331	0.45582	172.12292	120.25167	329.63715	21.51536	18.67269	41.20464	1.48E-07	0.000107	1.34E-05	4.56E-11	1.38E-10	1.09E-10	1.39E-13	3.35E-12	1.85E-13	3.67E-12	4.93E-08	3.9607E-06	4.45592E-06	4.66808E-11	5.60169E-13	2.32999E-11	9.31995E-14
669	570910.6	4178759	0.55, 41787	0.49085	0.54778	0.42691	176.15826	108.72169	296.15879	23.43896	19.655	37.01985	1.39E-07	9.61E-05	1.2E-05	4.27E-11	1.29E-10	1.02E-10	1.3E-13	3.13E-12	1.73E-13	3.43736E-12	4.618E-08	3.5584E-06	4.00349E-06	4.37217E-11	5.24661E-13	2.18229E-11	8.72916E-14
670	570950.6	4178759	0.55, 41787	0.48762	0.55475	0.41816	180.46301	97.04885	324.78811	24.36206	20.46933	40.59851	1.36E-07	0.000105	1.32E-05	4.19E-11	1.26E-10	9.99E-11	1.27E-13	3.07E-12	1.69E-13	3.36694E-12	4.523E-08	3.9023E-06	4.39046E-06	4.28261E-11	5.13913E-13	2.13759E-11	8.55034E-14
671	570990.6	4178759	0.55, 41787	0.49051	0.55159	0.43765	151.23194	87.28492	222.11928	25.20532	17.38113	28.62893	1.42E-07	7.21E-05	9.29E-06	4.38E-11	1.32E-10	1.05E-10	1.33E-13	3.21E-12	1.77E-13	3.52381E-12	4.734E-08	2.6688E-06	3.09627E-06	4.48214E-11	5.37856E-13	2.23718E-11	8.94871E-14
672	571030.6	4178759	0.55, 41787	0.48428	0.53663	0.45626	187.58168	78.86438	272.43541	28.06386	15.68835	45.4059	1.48E-07	8.84E-05	1.47E-05	4.57E-11	1.38E-10	1.09E-10	1.39E-13	3.35E-12	1.85E-13	3.67357E-12	4.935E-08	3.2733E-06	4.91037E-06	4.67262E-11	5.60715E-13	2.33226E-11	9.32902E-14
673	571070.6	4178759	0.55, 41787	0.467	0.51625	0.43604	163.79974	72.83551	258.94072	22.54296	13.46245	32.36759	1.41E-07	8.4E-05	1.05E-05	4.37E-11	1.32E-10	1.04E-10	1.33E-13	3.2E-12	1.77E-13	3.51078E-12	4.716E-08	3.1112E-06	3.50044E-06	4.46556E-11	5.35867E-13	2.2289E-11	8.91561E-14
674	571110.6	4178759	0.55, 41787	0.44755	0.4933	0.39624	157.0432	65.36033	149.25903	19.63651	11.35189	22.10234	1.29E-07	4.84E-05	7.17E-06	3.97E-11	1.2E-10	9.46E-11	1.2E-13	2.91E-12	1.61E-13	3.19038E-12	4.286E-08	1.7934E-06	2.39041E-06	4.05803E-11	4.86963E-13	2.02549E-11	8.10196E-14
675	571150.6	4178759	0.55, 41787	0.4302	0.46818	0.38775	183.98767	62.14189	232.46693	23.05685	11.54043	29.05837	1.26E-07	7.54E-05	9.43E-06	3.88E-11	1.17E-10	9.26E-11	1.18E-13	2.85E-12	1.57E-13	3.12199E-12	4.194E-08	2.7931E-06	3.14264E-06	3.97104E-11	4.76525E-13	1.98207E-11	7.92829E-14
676	571190.6	4178759	0.55, 41787	0.41561	0.44245	0.39452	166.33485	59.4631	232.20811	21.02615	11.70076	29.03347	1.28E-07	7.53E-05	9.42E-06	3.95E-11	1.19E-10	9.42E-11	1.2E-13	2.9E-12	1.6E-13	3.17643E-12	4.267E-08	2.79E-06	3.13989E-06	4.04028E-11	4.84834E-13	2.01663E-11	8.06653E-14
677	571230.6	4178759	0.55, 41787	0.39577	0.41616	0.38297	133.04594	57.55284	174.38403	19.00656	11.25795	24.912	1.24E-07	5.66E-05	8.08E-06	3.83E-11	1.16E-10	9.15E-11	1.16E-13	2.81E-12	1.55E-13	3.08341E-12	4.142E-08	2.0953E-06	2.69419E-06	3.92196E-11	4.70635E-13	1.95758E-11	7.8303E-14
678	571270.6	4178759	0.55, 41787	0.36933	0.38979	0.3568	133.93343	52.76944	163.09994	18.49966	10.32502	20.38749	1.16E-07	5.29E-05	6.61E-06	3.57E-11	1.08E-10	8.52E-11	1.08E-13	2.62E-12	1.45E-13	2.87271E-12	3.859E-08	1.9597E-06	2.20496E-06	3.65396E-11	4.38475E-13	1.82381E-11	7.29523E-14
679	571310.6	4178759	0.55, 41787	0.3411	0.36413	0.32902	131.1619	50.25063	168.23883	18.11843	9.56125	22.87944	1.07E-07	5.46E-05	7.42E-06	3.29E-11	9.95E-11	7.86E-11	1E-13	2.42E-12	1.33E-13	2.64905E-12	3.559E-08	2.0214E-06	2.47439E-06	3.36948E-11	4.04338E-13	1.68182E-11	6.72726E-14
680	571350.6	4178759	0.55, 41787	0.31543	0.34037	0.30452	103.20737	47.94128	136.71003	14.62528	9.08266	18.8743	9.88E-08	4.44E-05	6.12E-06	3.05E-11	9.21E-11	7.27E-11	9.26E-14	2.24E-12	1.23E-13	2.4518E-12	3.294E-08	1.6426E-06	2.04123E-06	3.11859E-11	3.7423E-13	1.55659E-11	6.22634E-14
681	571390.6	4178759	0.55, 41787	0.29206	0.31801	0.28181	95.20975	46.26011	128.00267	11.90122	8.7596	16.00033	9.14E-08	4.15E-05	5.19E-06	2.82E-11	8.52E-11	6.73E-11	8.57E-14	2.07E-12	1.14E-13	2.26896E-12	3.048E-08	1.538E-06	1.7304E-06	2.88602E-11	3.46322E-13	1.4405E-11	5.76202E-14
682	571430.6	4178759	0.55, 41787	0.27184	0.29676	0.26169	65.82255	44.97926	77.28464	8.48847	8.42183	11.06277	8.49E-08	2.51E-05	3.59E-06	2.62E-11	7.91E-11	6.25E-11	7.95E-14	1.92E-12	1.06E-13	2.10697E-12	2.83E-08	9.2865E-07	1.19642E-06	2.67997E-11	3.21597E-13	1.33766E-11	5.35064E-14
683	571470.6	4178759	0.55, 41787	0.25781	0.27877	0.24855	74.19853	43.62462	66.74746	10.92817	7.8818	10.16339	8.06E-08	2.17E-05	3.3E-06	2.49E-11	7.51E-11	5.94E-11	7.55E-14	1.82E-12	1.01E-13	2.00117E-12	2.688E-08	8.0206E-07	1.09925E-06	2.5454E-11	3.05448E-13	1.27049E-11	5.08196E-14
684	571510.6	4178759	0.55, 41787	0.24715	0.26193	0.24035	102.14842	42.0514	116.58455	14.2101	7.23025	16.16505	7.8E-08	3.78E-05	5.24E-06	2.41E-11	7.27E-11	5.74E-11	7.31E-14	1.76E-12	9.74E-14	1.93513E-12	2.6E-08	1.4008E-06	1.74828E-06	2.4614E-11	2.95368E-13	1.22857E-11	4.91426E-14
685	571550.6	4178759	0.55, 41787	0.23772	0.24585	0.23427	104.82233	40.15762	128.89855	14.31586	6.66643	17.41071	7.6E-08	4.18E-05	5.65E-06	2.35E-11	7.08E-11	5.59E-11	7.12E-14	1.72E-12	9.49E-14	1.88616E-12	2.534E-08	1.5487E-06	1.88297E-06	2.39911E-11	2.87894E-13	1.19747E-11	4.7899E-14
686	571590.6	4178759	0.55, 41787	0.22808	0.23097	0.22747	83.60184	37.747	96.99907	11.46846	6.12919	13.15855	7.38E-08	3.15E-05	4.27E-06	2.28E-11	6.88E-11	5.43E-11	6.91E-14	1.67E-12	9.22E-14	1.8314E-12	2.46E-08	1.1655E-06	1.42312E-06	2.32946E-11	2.79535E-13	1.16271E-11	4.65082E-14
687	570310.6	4178799	0.55, 41787	0.10253	0.09048	0.09887	92.22772	37.68456	108.42661	11.52846	4.71057	13.55333	3.21E-08	3.52E-05	4.4E-06	9.9E-12	2.99E-11	2.36E-11	3.01E-14	7.26E-13	4.01E-14	7.95999E-13	1.069E-08	1.3028E-06	1.4658E-06	1.01248E-11	1.21497E-13	5.05359E-12	2.02144E-14
688	570350.6	4178799	0.55, 41787	0.11434	0.10195	0.11024	96.42289	41.82094	119.06345	12.05286	5.22762	14.88293	3.58E-08	3.86E-05	4.83E-06	1.1E-11	3.33E-11	2.63E-11	3.35E-14	8.09E-13	4.47E-14	8.8754E-13	1.192E-08	1.4306E-06	1.60958E-06	1.12891E-11	1.3547E-13	5.63476E-12	2.25391E-14
689	570390.6	4178799	0.55, 41787	0.12785	0.11532	0.12365	96.70849	44.28794	121.57528	12.08856	5.83168	15.19691	4.01E-08	3.94E-05	4.93E-06	1.24E-11	3.74E-11	2.95E-11	3.76E-14	9.08E-13	5.01E-14	9.95506E-13	1.337E-08	1.4608E-06	1.64353E-06	1.26624E-11	1.51949E-13	6.32021E-12	2.52808E-14
690	570430.6	4178799	0.55, 41787	0.14288	0.13064	0.13911	109.4746	48.39009	132.26529	13.83026	6.97525	16.53316	4.51E-08	4.29E-05	5.36E-06	1.39E-11	4.21E-11	3.32E-11	4.23E-14	1.02E-12	5.64E-14	1.11998E-12	1.505E-08	1.5892E-06	1.78807E-06	1.42456E-11	1.70947E-13	7.11044E-12	2.84417E-14
691	570470.6	4178799	0.55, 41787	0.15993	0.14857	0.15692	116.3647	50.80214	153.38363	16.31235	7.92735	19.17295	5.09E-08	4.98E-05	6.22E-06	1.57E-11	4.74E-11	3.75E-11	4.77E-14	1.15E-12	6.36E-14	1.26337E-12	1.697E-08	1.8429E-06	2.07357E-06	1.60695E-11	1.92834E-13	8.02079E-12	3.20831E-14
692	570510.6	4178799	0.55, 41787	0.17816	0.16871	0.17591	124.77861	52.11481	162.22151	17.82552	8.49382	23.1745	5.71E-08	5.26E-05	7.52E-06	1.76E-11	5.32E-11	4.2E-11	5.35E-14	1.29E-12	7.13E-14	1.41626E-12	1.903E-08	1.9491E-06	2.50629E-06	1.80142E-11	2.1617E-13	8.99146E-12	3.59659E-14
693	570550.6	4178799	0.55, 41787	0.19752	0.19131	0.19507	126.89522	56.18657	175.78093	18.12789	8.51005	24.21863	6.33E-08	5.7E-05	7.86E-06	1.95E-11	5.9E-11	4.66E-11	5.93E-14	1.43E-12	7.91E-14	1.57053E-12	2.11E-08	2.112E-06	2.61919E-06	1.99764E-11	2.39717E-13	9.97086E-12	3.98834E-14
694	570590.6	4178799	0.55, 41787	0.21773	0.21627	0.21308	122.68072	62.5324	158.46837	17.14296	9.80776	21.67538	6.91E-08	5.14E-05	7.03E-06	2.13E-11	6.44E-11	5.09E-11	6.48E-14	1.56E-12	8.64E-14	1.71554E-12	2.305E-08	1.9041E-06	2.34417E-06	2.18209E-11	2.61851E-13	1.08915E-11	4.35661E-14
695	570630.6	4178799	0.55, 41787	0.23771	0.24268	0.22932	133.9153	64.36556	188.20796	18.95021	10.72759	26.70167	7.44E-08	6.11E-05	8.66E-06	2.3E-11	6.93E-11	5.48E-11	6.97E-14	1.68E-12	9.29E-14	1.84631E-12	2.48E-08	2.2614E-06	2.8877E-06	2.34843E-11	2.81811E-13	1.17218E-11	4.6887E-14
696	570670.6	4178799	0.55, 41787	0.25595	0.26895	0.24514	141.94782	63.09907	182.20008	19.13844	10.57117	23.96944	7.95E-08	5.91E-05	7.78E-06	2.45E-11	7.41E-11	5.85E-11	7.45E-14	1.8E-12	9.94E-14	1.9737E-12	2.651E-08	2.1892E-06	2.59228E-06	2.51046E-11	3.01256E-13	1.25305E-11	5.01221E-14
697	570710.6	4178799	0.55, 41787	0.27273	0.29382	0.2595	157.12572	66.69563	192.86918	19.64072	11.93189	24.10865	8.42E-08	6.26E-05	7.82E-06	2.6E-11	7.85E-11	6.2E-11	7.89E-14	1.91E-12	1.05E-13	2.08934E-12	2.807E-08	2.3174E-06	2.60735E-06	2.65755E-11	3.18906E-13	1.32647E-11	5.30587E-14
698	570750.6	4178799	0.55, 41787	0.29355	0.31916	0.26739	152.65771	72.44297	180.42039	19.08221	15.18472	22.55534	8.68E-08	5.85E-05	7.32E-06	2.68E-11	8.08E-11	6.39E-11	8.13E-14	1.96E-12	1.08E-13	2.1529E-12	2.892E-08	2.1678E-06	2.43938E-06	2.73839E-11	3.28607E-13	1.36682E-11	5.46728E-14
699	570790.6	4178799	0.55, 41787	0.31688	0.34759	0.27611	157.73005	72.26845	195.86787	20.13646	16.34526	24.48348	8.96E-08	6.35E-05	7.94E-06	2.76E-11	8.35E-11	6.59E-11	8.39E-14	2.03E-12	1.12E-13	2.22315E-12	2.986E-08	2.3534E-06	2.64789E-06	2.82775E-11	3.3933E-13	1.41142E-11	5.64567E-14
700	570830.6	4178799	0.55, 41787	0.33524	0.37796	0.31984	162.23746	94.66133	234.71664	21.09567	14.73083	29.33958	1.04E-07	7.61E-05	9.52E-06	3.2E-11	9.67E-11	7.64E-11	9.72E-14	2.35E-12	1.3E-13	2.57519E-12	3.459E-08	2.8202E-06	3.17299E-06	3.27553E-11	3.93064E-13	1.63492E-11	6.53969E-14
701	570870.6	4178799	0.55, 41787	0.35595	0.40358	0.35265	158.80625	107.46352	263.60655	19.85078	16.70272	32.95082	1.14E-07	8.55E-05	1.07E-05	3.53E-11	1.07E-10	8.42E-11	1.07E-13	2.59E-12	1.43E-13	2.83933E-12	3.814E-08	3.1673E-06	3.56342E-06	3.6115E-11	4.33381E-13	1.80262E-11	7.21047E-14
702	570910.6	4178799	0.55, 41787	0.3676	0.41723	0.32417	150.41188	96.98395	247.06251	18.80149	15.72408	30.88281	1.05E-07	8.02E-05	1E-05	3.25E-11	9.8E-11	7.74E-11	9.85E-14	2.38E-12	1.31E-13	2.61013E-12	3.506E-08	2.9685E-06	3.33978E-06	3.31997E-11	3.98396E-13	1.6571E-11	6.62841E-14
703	570950.6	4178799	0.55, 41787	0.34637	0.40141	0.30552	159.46188	87.41269	275.63404	19.93273	16.48069	34.45425	9.91E-08	8.94E-05	1.12E-05	3.06E-11	9.24E-11	7.3E-11	9.29E-14	2.24E-12	1.24E-13	2.45998E-12	3.305E-08	3.3118E-06	3.72598E-06	3.12899E-11	3.75478E-13	1.56178E-11	6.24711E-14
704	570990.6	4178799	0.55, 41787	0.35579	0.40756	0.32647	119.48057	79.68844	146.33228	17.5796	14.60553	25.33485	1.06E-07	4.75E-05	8.22E-06	3.27E-11	9.87E-11	7.8E-11	9.92E-14	2.4E-12	1.32E-13	2.62862E-12	3.531E-08	1.7583E-06	2.73987E-06	3.34349E-11	4.01219E-13	1.66884E-11	6.67537E-14
705	571030.6	4178799	0.55, 41787	0.37225	0.416	0.35619	155.14917	72.93395	196.55996	24.86673	12.948	30.87431	1.16E-07	6.38E-05	1E-05	3.57E-11	1.08E-10	8.51E-11	1.08E-13	2.62E-12	1.44E-13	2.86785E-12	3.853E-08	2.3617E-06	3.33904E-06	3.64778E-11	4.37734E-13	1.82073E-11	7.2829E-14
706	571070.6	4178799	0.55, 41787	0.3594	0.40135	0.34666	158.59146	67.81733	220.83512	22.65592	11.74555	33.70367	1.12E-07	7.16E-05	1.09E-05	3.47E-11	1.05E-10	8.28E-11	1.05E-13	2.55E-12	1.4E-13	2.79111E-12	3.749E-08	2.6534E-06	3.6449E-06	3.55018E-11	4.26021E-13	1.77201E-11	7.08802E-14
707	571110.6	4178799	0.55, 41787	0.34191	0.38638	0.31575	133.9595	62.41991	198.12185	16.74494	10.40332	24.76523	1.02E-07	6.43E-05	8.03E-06	3.16E-11	9.55E-11	7.54E-11	9.6E-14	2.32E-12	1.28E-13	2.54229E-12	3.415E-08	2.3805E-06	2.67825E-06	3.23368E-11	3.88042E-13	1.61403E-11	6.45613E-14
708	571150.6	4178799	0.55, 41787	0.32926	0.37153	0.29721	140.52662	58.47073	122.49716	17.56829	9.74512	16.40698	9.64E-08	3.97E-05	5.32E-06	2.98E-11	8.99E-11	7.1E-11	9.03E-14	2.18E-12	1.2E-13	2.39303E-12	3.215E-08	1.4719E-06	1.77454E-06	3.04383E-11	3.65259E-13	1.51927E-11	6.07709E-14
709	571190.6	4178799	0.55, 41787	0.32393	0.35615	0.30055	162.80337	55.99612	201.90064	20.37225	9.46414	25.23758	9.75E-08	6.55E-05	8.19E-06	3.01E-11	9.09E-11	7.18E-11	9.14E-14	2.21E-12	1.22E-13	2.41988E-12	3.251E-08	2.4258E-06	2.72943E-06	3.07798E-11	3.69358E-13	1.53632E-11	6.14528E-14
710	571230.6	4178799	0.55, 41787	0.31732	0.33876	0.30501	141.0743	54.42569	191.70239	17.72831	9.52966	23.96639	9.9E-08	6.22E-05	7.78E-06	3.05E-11	9.22E-11	7.28E-11	9.27E-14	2.24E-12	1.24E-13	2.45574E-12	3.299E-08	2.3033E-06	2.59191E-06	3.1236E-11	3.74832E-13	1.55909E-11	6.23635E-14
711	571270.6	4178799	0.55, 41787	0.30415	0.32027	0.29829	116.54381	51.24633	144.90939	16.64912	9.13765	20.70134	9.68E-08	4.7E-05	6.72E-06	2.99E-11	9.02E-11	7.12E-11	9.07E-14	2.19E-12	1.21E-13	2.40161E-12	3.226E-08	1.7411E-06	2.23884E-06	3.05475E-11	3.6657E-13	1.52472E-11	6.09889E-14
712	571310.6	4178799	0.55, 41787	0.28608	0.30211	0.28212	111.77517	48.08718	136.31939	15.28029	8.60329	17.73191	9.15E-08	4.42E-05	5.75E-06	2.82E-11	8.53E-11	6.74E-11	8.58E-14	2.07E-12	1.14E-13	2.27142E-12	3.051E-08	1.6379E-06	1.91773E-06	2.88915E-11	3.46698E-13	1.44207E-11	5.76827E-14
713	571350.6	4178799	0.55, 41787	0.26522	0.28423	0.2608	116.94553	46.1941	139.01017	15.97517	8.23917	19.97796	8.46E-08	4.51E-05	6.48E-06	2.61E-11	7.88E-11	6.23E-11	7.93E-14	1.91E-12	1.06E-13	2.09978E-12	2.821E-08	1.6702E-06	2.1606E-06	2.67083E-11	3.205E-13	1.3331E-11	5.33239E-14
714	571390.6	4178799	0.55, 41787	0.24309	0.26586	0.23735	101.64822	44.37475	130.479	13.96186	7.97488	17.70328	7.7E-08	4.23E-05	5.74E-06	2.38E-11	7.18E-11	5.67E-11	7.21E-14	1.74E-12	9.62E-14	1.91099E-12	2.567E-08	1.5677E-06	1.91459E-06	2.4307E-11	2.91684E-13	1.21324E-11	4.85296E-14
715	571430.6	4178799	0.55, 41787	0.22645	0.25105	0.21957	78.66707	42.96369	101.00422	10.22882	7.75525	13.14754	7.12E-08	3.28E-05	4.27E-06	2.2E-11	6.64E-11	5.24E-11	6.67E-14	1.61E-12	8.9E-14	1.76785E-12	2.375E-08	1.2136E-06	1.42189E-06	2.24863E-11	2.69835E-13	1.12236E-11	4.48945E-14
716	571470.6	4178799	0.55, 41787	0.21325	0.23694	0.20607	47.64153	41.84289	57.10773	7.70461	7.45296	10.06314	6.69E-08	1.85E-05	3.26E-06	2.06E-11	6.23E-11	4.92E-11	6.26E-14	1.51E-12	8.35E-14	1.65916E-12	2.229E-08	6.8623E-07	1.08831E-06	2.11038E-11	2.53245E-13	1.05336E-11	4.21343E-14
717	571510.6	4178799	0.55, 41787	0.20623	0.22585	0.19985	71.44774	40.73398	67.79843	10.29216	7.00806	9.90291	6.48E-08	2.2E-05	3.21E-06	2E-11	6.04E-11	4.77E-11	6.07E-14	1.47E-12	8.1E-14	1.60907E-12	2.162E-08	8.1467E-07	1.07106E-06	2.04667E-11	2.456E-13	1.02156E-11	4.08623E-14
718	571550.6	4178799	0.55, 41787	0.19818	0.21228	0.19356	94.10249	39.35835	107.36049	13.01678	6.4744	14.79864	6.28E-08	3.48E-05	4.8E-06	1.94E-11	5.85E-11	4.62E-11	5.88E-14	1.42E-12	7.84E-14	1.55841E-12	2.094E-08	1.29E-06	1.6005E-06	1.98223E-11	2.37868E-13	9.89397E-12	3.95759E-14
719	571590.6	4178799	0.55, 41787	0.19254	0.20073	0.18997	94.76849	37.66806	114.23818	12.95063	6.01952	15.50303	6.16E-08	3.71E-05	5.03E-06	1.9E-11	5.74E-11	4.54E-11	5.77E-14	1.39E-12	7.7E-14	1.52949E-12	2.055E-08	1.3726E-06	1.67666E-06	1.94545E-11	2.33454E-13	9.71036E-12	3.88414E-14
720	570310.6	4178839	0.55, 41788	0.10118	0.0904	0.098	86.93136	38.98232	105.93151	10.86642	4.87279	13.24144	3.18E-08	3.44E-05	4.3E-06	9.81E-12	2.96E-11	2.34E-11	2.98E-14	7.19E-13	3.97E-14	7.88996E-13	1.06E-08	1.2728E-06	1.43206E-06	1.00357E-11	1.20428E-13	5.00913E-12	2.00365E-14
721	570350.6	4178839	0.55, 41788	0.1118	0.10104	0.10874	92.10266	41.60712	103.12867	11.51283	5.43734	12.89108	3.53E-08	3.35E-05	4.18E-06	1.09E-11	3.29E-11	2.6E-11	3.31E-14	7.98E-13	4.41E-14	8.75464E-13	1.176E-08	1.2391E-06	1.3942E-06	1.11355E-11	1.33626E-13	5.5581E-12	2.22324E-14
722	570390.6	4178839	0.55, 41788	0.12335	0.11299	0.12071	101.58992	44.39945	123.8041	13.097	6.32134	15.47551	3.92E-08	4.02E-05	5.02E-06	1.21E-11	3.65E-11	2.88E-11	3.67E-14	8.86E-13	4.89E-14	9.71836E-13	1.306E-08	1.4875E-06	1.67369E-06	1.23613E-11	1.48336E-13	6.16994E-12	2.46798E-14
723	570430.6	4178839	0.55, 41788	0.13612	0.12663	0.1341	105.75261	46.22171	135.82058	15.10752	6.99394	17.72822	4.35E-08	4.41E-05	5.75E-06	1.34E-11	4.05E-11	3.2E-11	4.08E-14	9.85E-13	5.43E-14	1.07964E-12	1.45E-08	1.6319E-06	1.91732E-06	1.37326E-11	1.64791E-13	6.85436E-12	2.74175E-14
724	570470.6	4178839	0.55, 41788	0.14941	0.1416	0.14777	113.55911	47.52324	144.14907	16.22273	7.30549	20.59272	4.79E-08	4.68E-05	6.68E-06	1.48E-11	4.47E-11	3.53E-11	4.49E-14	1.08E-12	5.99E-14	1.1897E-12	1.598E-08	1.732E-06	2.22708E-06	1.51325E-11	1.8159E-13	7.55311E-12	3.02125E-14
725	570510.6	4178839	0.55, 41788	0.16314	0.158	0.16129	114.44641	50.69094	152.51274	16.21485	7.16417	20.85712	5.23E-08	4.95E-05	6.77E-06	1.61E-11	4.88E-11	3.85E-11	4.9E-14	1.18E-12	6.54E-14	1.29856E-12	1.744E-08	1.8325E-06	2.25567E-06	1.65171E-11	1.98205E-13	8.24422E-12	3.29769E-14
726	570550.6	4178839	0.55, 41788	0.17704	0.17576	0.1737	109.2842	56.30775	135.99936	15.45924	8.75778	18.63755	5.64E-08	4.41E-05	6.05E-06	1.74E-11	5.25E-11	4.15E-11	5.28E-14	1.28E-12	7.04E-14	1.39848E-12	1.879E-08	1.6341E-06	2.01566E-06	1.77881E-11	2.13457E-13	8.87862E-12	3.55145E-14
727	570590.6	4178839	0.55, 41788	0.1907	0.19445	0.18485	121.04262	57.73789	162.59872	17.123	9.62298	23.05827	6E-08	5.27E-05	7.48E-06	1.85E-11	5.59E-11	4.41E-11	5.62E-14	1.36E-12	7.49E-14	1.48827E-12	1.999E-08	1.9537E-06	2.4937E-06	1.89302E-11	2.27162E-13	9.44864E-12	3.77946E-14
728	570630.6	4178839	0.55, 41788	0.20316	0.21304	0.19546	125.84874	56.85617	163.76967	17.26057	9.47603	21.8341	6.34E-08	5.31E-05	7.08E-06	1.96E-11	5.91E-11	4.67E-11	5.94E-14	1.44E-12	7.92E-14	1.57371E-12	2.114E-08	1.9677E-06	2.36134E-06	2.00169E-11	2.40203E-13	9.99107E-12	3.99643E-14
729	570670.6	4178839	0.55, 41788	0.21386	0.23043	0.20601	138.80556	56.19819	167.35734	17.35069	9.51337	20.91967	6.68E-08	5.43E-05	6.79E-06	2.06E-11	6.23E-11	4.92E-11	6.26E-14	1.51E-12	8.35E-14	1.65866E-12	2.228E-08	2.0108E-06	2.26247E-06	2.10975E-11	2.5317E-13	1.05304E-11	4.21217E-14
730	570710.6	4178839	0.55, 41788	0.22462	0.24643	0.21368	139.69865	64.11019	158.44625	17.46233	11.64998	19.80578	6.93E-08	5.14E-05	6.43E-06	2.14E-11	6.46E-11	5.1E-11	6.5E-14	1.57E-12	8.66E-14	1.72043E-12	2.311E-08	1.9038E-06	2.14203E-06	2.18831E-11	2.62598E-13	1.09226E-11	4.36903E-14
731	570750.6	4178839	0.55, 41788	0.23931	0.26333	0.21642	129.30344	65.03758	176.13066	16.25667	13.35444	22.02002	7.02E-08	5.71E-05	7.14E-06	2.17E-11	6.54E-11	5.17E-11	6.58E-14	1.59E-12	8.77E-14	1.74252E-12	2.341E-08	2.1163E-06	2.38141E-06	2.21641E-11	2.6597E-13	1.10628E-11	4.42513E-14
732	570790.6	4178839	0.55, 41788	0.2546	0.28325	0.22784	148.04332	66.52984	161.44916	18.88746	13.10425	20.18115	7.39E-08	5.24E-05	6.55E-06	2.28E-11	6.89E-11	5.44E-11	6.93E-14	1.67E-12	9.23E-14	1.83448E-12	2.464E-08	1.9399E-06	2.18266E-06	2.33338E-11	2.80006E-13	1.16467E-11	4.65867E-14
733	570830.6	4178839	0.55, 41788	0.26766	0.30497	0.26524	136.3658	90.38201	203.70222	17.19519	14.05196	26.51864	8.61E-08	6.61E-05	8.6E-06	2.66E-11	8.02E-11	6.33E-11	8.06E-14	1.95E-12	1.07E-13	2.13556E-12	2.869E-08	2.4476E-06	2.86786E-06	2.71634E-11	3.25961E-13	1.35581E-11	5.42325E-14
734	570870.6	4178839	0.55, 41788	0.28248	0.32215	0.27934	145.76117	97.26265	213.43334	18.22015	15.13016	26.67917	9.06E-08	6.92E-05	8.66E-06	2.8E-11	8.45E-11	6.67E-11	8.49E-14	2.05E-12	1.13E-13	2.24909E-12	3.021E-08	2.5645E-06	2.88524E-06	2.86074E-11	3.43289E-13	1.42789E-11	5.71155E-14
735	570910.6	4178839	0.55, 41788	0.28799	0.33135	0.25629	130.6935	87.1686	210.24612	16.33669	13.50967	26.28077	8.32E-08	6.82E-05	8.53E-06	2.57E-11	7.75E-11	6.12E-11	7.79E-14	1.88E-12	1.04E-13	2.06358E-12	2.772E-08	2.5262E-06	2.84211E-06	2.62478E-11	3.14974E-13	1.31011E-11	5.24045E-14
736	570950.6	4178839	0.55, 41788	0.28758	0.33724	0.25781	143.26415	81.64199	232.33178	17.90802	13.93242	29.04147	8.37E-08	7.54E-05	9.42E-06	2.58E-11	7.79E-11	6.16E-11	7.84E-14	1.89E-12	1.04E-13	2.07582E-12	2.789E-08	2.7915E-06	3.14066E-06	2.64036E-11	3.16843E-13	1.31789E-11	5.27155E-14
737	570990.6	4178839	0.55, 41788	0.28844	0.33412	0.27084	115.42228	74.82901	134.90402	15.11344	13.01217	21.06919	8.79E-08	4.38E-05	6.84E-06	2.71E-11	8.19E-11	6.47E-11	8.23E-14	1.99E-12	1.1E-13	2.1807E-12	2.929E-08	1.621E-06	2.27857E-06	2.77375E-11	3.3285E-13	1.38447E-11	5.53787E-14
738	571030.6	4178839	0.55, 41788	0.29049	0.32848	0.28015	122.60648	67.85889	167.69329	20.43441	11.21527	20.96166	9.09E-08	5.44E-05	6.8E-06	2.81E-11	8.47E-11	6.69E-11	8.52E-14	2.06E-12	1.14E-13	2.25562E-12	3.03E-08	2.0149E-06	2.2671E-06	2.86905E-11	3.44286E-13	1.43204E-11	5.72814E-14
739	571070.6	4178839	0.55, 41788	0.28682	0.32211	0.27916	145.80556	62.69899	194.95005	22.09774	10.44682	32.49167	9.06E-08	6.32E-05	1.05E-05	2.8E-11	8.44E-11	6.67E-11	8.49E-14	2.05E-12	1.13E-13	2.24764E-12	3.019E-08	2.3424E-06	3.51384E-06	2.8589E-11	3.43068E-13	1.42697E-11	5.70787E-14
740	571110.6	4178839	0.55, 41788	0.272	0.3104	0.2597	131.09883	59.8466	180.45962	17.36249	9.97443	23.15348	8.43E-08	5.85E-05	7.51E-06	2.6E-11	7.85E-11	6.2E-11	7.89E-14	1.91E-12	1.05E-13	2.09098E-12	2.809E-08	2.1683E-06	2.504E-06	2.65964E-11	3.19156E-13	1.32751E-11	5.31004E-14
741	571150.6	4178839	0.55, 41788	0.26	0.30055	0.24148	99.99815	55.57889	134.60776	12.49977	9.26315	16.82597	7.84E-08	4.37E-05	5.46E-06	2.42E-11	7.3E-11	5.77E-11	7.34E-14	1.77E-12	9.79E-14	1.94431E-12	2.612E-08	1.6174E-06	1.81969E-06	2.47307E-11	2.96769E-13	1.23439E-11	4.93756E-14
742	571190.6	4178839	0.55, 41788	0.2552	0.29099	0.23588	127.82601	53.11626	132.48794	15.97966	8.85271	16.56099	7.65E-08	4.3E-05	5.37E-06	2.36E-11	7.13E-11	5.63E-11	7.17E-14	1.73E-12	9.56E-14	1.89921E-12	2.551E-08	1.5919E-06	1.79114E-06	2.41572E-11	2.89886E-13	1.20576E-11	4.82304E-14
743	571230.6	4178839	0.55, 41788	0.25406	0.28009	0.23929	144.46225	51.51588	176.21864	18.06666	8.58598	22.02733	7.76E-08	5.72E-05	7.15E-06	2.4E-11	7.23E-11	5.71E-11	7.27E-14	1.76E-12	9.7E-14	1.92664E-12	2.588E-08	2.1173E-06	2.38226E-06	2.4506E-11	2.94072E-13	1.22317E-11	4.89269E-14
744	571270.6	4178839	0.55, 41788	0.2507	0.26766	0.24251	121.82335	49.56018	161.92313	15.26733	8.26003	20.24326	7.87E-08	5.25E-05	6.57E-06	2.43E-11	7.33E-11	5.79E-11	7.37E-14	1.78E-12	9.83E-14	1.95253E-12	2.623E-08	1.9455E-06	2.18927E-06	2.48353E-11	2.98024E-13	1.23961E-11	4.95844E-14
745	571310.6	4178839	0.55, 41788	0.24184	0.25433	0.23951	103.21026	44.65355	122.05645	14.74432	7.58702	17.43664	7.77E-08	3.96E-05	5.66E-06	2.4E-11	7.24E-11	5.72E-11	7.28E-14	1.76E-12	9.71E-14	1.92835E-12	2.59E-08	1.4665E-06	1.88579E-06	2.45278E-11	2.94334E-13	1.22426E-11	4.89705E-14
746	571350.6	4178839	0.55, 41788	0.22797	0.24079	0.22797	99.0464	44.12829	113.73434	14.35742	7.39344	18.63488	7.4E-08	3.69E-05	6.05E-06	2.28E-11	6.89E-11	5.44E-11	6.93E-14	1.67E-12	9.24E-14	1.83544E-12	2.466E-08	1.3666E-06	2.01533E-06	2.3346E-11	2.80152E-13	1.16527E-11	4.66109E-14
747	571390.6	4178839	0.55, 41788	0.21103	0.22733	0.21036	102.76287	42.76623	112.22851	13.91866	7.25999	15.15441	6.83E-08	3.64E-05	4.92E-06	2.11E-11	6.36E-11	5.02E-11	6.39E-14	1.54E-12	8.53E-14	1.69367E-12	2.275E-08	1.3485E-06	1.63899E-06	2.15427E-11	2.58513E-13	1.07527E-11	4.30106E-14
748	571430.6	4178839	0.55, 41788	0.19469	0.21494	0.19186	96.70075	41.37793	118.14409	13.13698	7.12068	15.87157	6.23E-08	3.83E-05	5.15E-06	1.92E-11	5.8E-11	4.58E-11	5.83E-14	1.41E-12	7.78E-14	1.54473E-12	2.075E-08	1.4195E-06	1.71651E-06	1.96484E-11	2.3578E-13	9.80712E-12	3.92285E-14
749	571470.6	4178839	0.55, 41788	0.18137	0.20392	0.17665	77.02264	40.18933	97.95965	10.5662	6.94319	13.29535	5.73E-08	3.18E-05	4.31E-06	1.77E-11	5.34E-11	4.22E-11	5.37E-14	1.3E-12	7.16E-14	1.42229E-12	1.911E-08	1.177E-06	1.43788E-06	1.80909E-11	2.1709E-13	9.02973E-12	3.61189E-14
750	571510.6	4178839	0.55, 41788	0.17253	0.19446	0.16733	52.60803	39.21497	67.39367	7.34906	6.67327	9.32595	5.43E-08	2.19E-05	3.03E-06	1.68E-11	5.06E-11	4E-11	5.09E-14	1.23E-12	6.78E-14	1.34725E-12	1.81E-08	8.098E-07	1.00859E-06	1.71364E-11	2.05637E-13	8.55334E-12	3.42134E-14
751	571550.6	4178839	0.55, 41788	0.16797	0.18619	0.16347	68.59481	38.25365	67.50423	9.65516	6.29212	9.48561	5.3E-08	2.19E-05	3.08E-06	1.64E-11	4.94E-11	3.9E-11	4.97E-14	1.2E-12	6.63E-14	1.31616E-12	1.768E-08	8.1113E-07	1.02592E-06	1.6741E-11	2.00892E-13	8.35598E-12	3.34239E-14
752	571590.6	4178839	0.55, 41788	0.16271	0.17607	0.15959	86.9293	37.04871	99.01478	11.93163	5.86384	13.49632	5.18E-08	3.21E-05	4.38E-06	1.6E-11	4.82E-11	3.81E-11	4.85E-14	1.17E-12	6.47E-14	1.28491E-12	1.726E-08	1.1897E-06	1.45965E-06	1.63435E-11	1.96122E-13	8.15758E-12	3.26303E-14
753	570839.2	4178446	9.17, 41784	74.46739	6.86955	3.72049	1115.31188	246.53605	1658.95445	545.24687	92.47095	232.89196	1.21E-06	0.000538	7.56E-05	3.73E-10	1.13E-09	8.89E-10	1.13E-12	2.73E-11	1.51E-12	2.99762E-11	4.027E-07	1.9932E-05	2.51978E-05	3.81284E-10	4.57541E-12	1.90311E-10	7.61244E-13
754	570839.2	4178486	9.17, 41784	72.70489	8.35312	4.22209	2611.28562	240.43522	1473.87155	1286.82968	90.10385	245.64526	1.37E-06	0.000478	7.98E-05	4.23E-10	1.28E-09	1.01E-09	1.28E-12	3.1E-11	1.71E-12	3.40161E-11	4.57E-07	1.7709E-05	2.65987E-05	4.3267E-10	5.19204E-12	2.15959E-10	8.63837E-13
755	570879.2	4178406	9.17, 41784	9.26791	12.09581	2.86973	654.37651	281.54322	1652.24347	174.87233	99.71055	250.6883	9.32E-07	0.000536	8.13E-05	2.88E-10	8.68E-10	6.86E-10	8.73E-13	2.11E-11	1.16E-12	2.31243E-11	3.106E-07	1.9851E-05	2.7111E-05	2.94131E-10	3.52957E-12	1.4681E-10	5.87241E-13
756	570879.2	4178446	9.17, 41784	110.98197	13.33715	11.62742	3333.88644	260.53475	3586.87714	1717.50318	91.01179	770.8732	3.77E-06	0.001164	0.00025	1.16E-09	3.52E-09	2.78E-09	3.54E-12	8.54E-11	4.71E-12	9.36394E-11	1.258E-06	4.3094E-05	8.34021E-05	1.19105E-09	1.42926E-11	5.94492E-10	2.37797E-12
757	570879.2	4178486	9.17, 41784	18.42358	13.79846	20.70311	473.0449	246.35325	4578.74855	141.68031	100.88031	655.29094	6.72E-06	0.001485	0.000213	2.07E-09	6.26E-09	4.94E-09	6.29E-12	1.52E-10	8.39E-12	1.66669E-10	2.239E-06	5.501E-05	7.0858E-05	2.11996E-09	2.54395E-11	1.05814E-09	4.23256E-12
758	570879.2	4178526	9.17, 41785	94.91809	17.71904	9.02777	3340.71117	271.69492	2014.80922	1490.9797	113.49448	441.47053	2.93E-06	0.000654	0.000143	9.04E-10	2.73E-09	2.16E-09	2.75E-12	6.63E-11	3.66E-12	7.27201E-11	9.769E-07	2.4208E-05	4.77785E-05	9.24969E-10	1.10996E-11	4.61681E-10	1.84673E-12
759	570879.2	4178566	9.17, 41785	6.34056	7.84517	3.48916	517.57011	248.69096	1100.96831	138.67192	92.32789	171.27972	1.13E-06	0.000357	5.56E-05	3.49E-10	1.06E-09	8.33E-10	1.06E-12	2.56E-11	1.41E-12	2.81009E-11	3.775E-07	1.3228E-05	1.85238E-05	3.57432E-10	4.28918E-12	1.78406E-10	7.13622E-13
760	570919.2	4178366	9.17, 41783	2.36921	8.89638	1.45024	279.82249	231.14799	970.86833	50.20448	85.64726	145.20587	4.71E-07	0.000315	4.71E-05	1.45E-10	4.39E-10	3.47E-10	4.41E-13	1.07E-11	5.89E-13	1.1691E-11	1.571E-07	1.1665E-05	1.5702E-05	1.48705E-10	1.78446E-12	7.42235E-11	2.96894E-13
761	570919.2	4178406	9.17, 41784	7.16288	18.51893	2.95623	387.12304	281.06153	1814.51514	102.95605	123.97591	301.78328	9.6E-07	0.000589	9.79E-05	2.96E-10	8.95E-10	7.07E-10	9E-13	2.17E-11	1.2E-12	2.38328E-11	3.202E-07	2.18E-05	3.26336E-05	3.03143E-10	3.63772E-12	1.51308E-10	6.05233E-13
762	570919.2	4178446	9.17, 41784	30.90779	15.96768	15.85005	761.46723	266.85593	6280.62092	290.35951	97.37786	1155.63511	5.14E-06	0.002037	0.000375	1.59E-09	4.79E-09	3.79E-09	4.82E-12	1.16E-10	6.42E-12	1.27614E-10	1.714E-06	7.5456E-05	0.000124962	1.6232E-09	1.94784E-11	8.1019E-10	3.24076E-12
763	570919.2	4178486	9.17, 41784	29.57453	18.16179	468.02027	992.62163	281.14129	31654.24271	425.98322	121.6397	9353.86757	0.000152	0.010268	0.003034	4.68E-08	1.41E-07	1.12E-07	1.42E-10	3.44E-09	1.9E-10	3.7671E-09	5.061E-05	0.00038029	0.001011406	4.79158E-08	5.7499E-10	2.39163E-08	9.56653E-11
764	570919.2	4178526	9.17, 41785	19.47257	21.77306	15.13476	427.44744	357.8357	3633.422	126.47105	151.21701	760.0028	4.91E-06	0.001179	0.000247	1.52E-09	4.58E-09	3.61E-09	4.6E-12	1.11E-10	6.13E-12	1.21866E-10	1.637E-06	4.3653E-05	8.21795E-05	1.55008E-09	1.8601E-11	7.73696E-10	3.09478E-12
765	570919.2	4178566	9.17, 41785	68.70701	17.81326	4.44491	3547.24462	326.79695	1605.72558	1121.59815	123.62419	257.53275	1.44E-06	0.000521	8.36E-05	4.46E-10	1.35E-09	1.06E-09	1.35E-12	3.27E-11	1.8E-12	3.58274E-11	4.813E-07	1.9293E-05	2.78792E-05	4.55709E-10	5.46851E-12	2.27459E-10	9.09836E-13
766	570959.2	4178326	9.17, 41783	2.08146	12.83514	1.34475	279.67021	252.56813	633.18912	42.32993	97.81035	79.64117	4.37E-07	0.000205	2.58E-05	1.35E-10	4.07E-10	3.22E-10	4.1E-13	9.89E-12	5.46E-13	1.08497E-11	1.458E-07	7.608E-06	8.61251E-06	1.38004E-10	1.65605E-12	6.88821E-11	2.75528E-13
767	570959.2	4178366	9.17, 41783	2.97969	11.80225	1.85212	241.09871	252.07126	954.07883	42.48046	78.75938	136.29698	6.02E-07	0.00031	4.42E-05	1.86E-10	5.61E-10	4.43E-10	5.64E-13	1.36E-11	7.52E-13	1.49317E-11	2.006E-07	1.1463E-05	1.47385E-05	1.89924E-10	2.27909E-12	9.47972E-11	3.79189E-13
768	570959.2	4178406	9.17, 41784	5.48321	18.00699	4.34111	312.89849	292.26242	1429.75284	67.10795	111.57482	238.11199	1.41E-06	0.000464	7.72E-05	4.35E-10	1.31E-09	1.04E-09	1.32E-12	3.19E-11	1.76E-12	3.49782E-11	4.699E-07	1.7178E-05	2.5748E-05	4.44908E-10	5.33889E-12	2.22068E-10	8.8827E-13
769	570959.2	4178446	9.17, 41784	13.2141	15.9724	27.93872	471.07205	258.82785	2485.7483	129.31081	100.45092	486.63208	9.06E-06	0.000806	0.000158	2.8E-09	8.45E-09	6.67E-09	8.49E-12	2.05E-10	1.13E-11	2.24911E-10	3.021E-06	2.9865E-05	5.26212E-05	2.86077E-09	3.43292E-11	1.4279E-09	5.71161E-12
770	570959.2	4178486	9.17, 41784	61.20406	15.71053	62.85492	1330.20017	250.50131	2800.83581	539.4281	101.77571	895.66291	2.04E-05	0.000909	0.000291	6.29E-09	1.9E-08	1.5E-08	1.91E-11	4.61E-10	2.55E-11	5.05959E-10	6.797E-06	3.365E-05	9.68601E-05	6.43558E-09	7.72269E-11	3.2122E-09	1.28488E-11
771	570959.2	4178526	9.17, 41785	233.18259	14.04006	12.98457	3491.90215	258.73899	2789.84609	1687.05022	110.68808	397.86928	4.22E-06	0.000905	0.000129	1.3E-09	3.93E-09	3.1E-09	3.95E-12	9.54E-11	5.26E-12	1.04592E-10	1.405E-06	3.3519E-05	4.30699E-05	1.33036E-09	1.59643E-11	6.64026E-10	2.6561E-12
772	570999.2	4178286	9.17, 41782	4.82709	7.01905	1.81527	541.05323	230.67805	782.52024	117.6944	82.70868	130.42004	5.89E-07	0.000254	4.23E-05	1.82E-10	5.49E-10	4.34E-10	5.52E-13	1.33E-11	7.36E-13	1.4626E-11	1.965E-07	9.402E-06	1.41052E-05	1.86036E-10	2.23243E-12	9.28565E-11	3.71426E-13

773	570999.2	4178326	9.17, 41783	3.49216	17.23511	2.06149	334.8047	281.26172	702.77079	73.88295	121.01705	110.07877	6.7E-07	0.000228	3.57E-05	2.07E-10	6.24E-10	4.93E-10	6.28E-13	1.52E-11	8.37E-13	1.66278E-11	2.234E-07	8.444E-06	1.19045E-05	2.11498E-10	2.53797E-12	1.05565E-10	4.22261E-13
774	570999.2	4178366	9.17, 41783	3.49499	15.86199	2.88936	258.09779	262.50756	719.40934	51.99585	99.38677	89.92617	9.39E-07	0.000233	2.92E-05	2.9E-10	8.74E-10	6.91E-10	8.79E-13	2.12E-11	1.17E-12	2.32885E-11	3.128E-07	8.6438E-06	9.72487E-06	2.96219E-10	3.55463E-12	1.47853E-10	5.9141E-13
775	570999.2	4178406	9.17, 41784	4.67229	14.08019	6.50261	269.25985	258.20089	888.73579	48.54927	90.52886	138.83889	2.11E-06	0.000288	4.5E-05	6.51E-10	1.97E-09	1.55E-09	1.98E-12	4.78E-11	2.64E-12	5.23679E-11	7.035E-07	1.0678E-05	1.50135E-05	6.66098E-10	7.99317E-12	3.32471E-10	1.32988E-12
776	570999.2	4178446	9.17, 41784	8.21208	17.59623	13.45709	365.10896	254.50285	1091.31402	80.87758	113.65243	185.77432	4.37E-06	0.000354	6.03E-05	1.35E-09	4.07E-09	3.21E-09	4.09E-12	9.88E-11	5.45E-12	1.08352E-10	1.456E-06	1.3112E-05	2.00894E-05	1.37819E-09	1.65382E-11	6.87897E-10	2.75159E-12
777	570999.2	4178486	9.17, 41784	18.06608	14.21786	20.31738	585.19163	263.25351	1140.06137	156.20535	101.07997	297.24229	6.59E-06	0.00037	9.64E-05	2.03E-09	6.14E-09	4.85E-09	6.17E-12	1.49E-10	8.23E-12	1.63565E-10	2.197E-06	1.3698E-05	3.21441E-05	2.08048E-09	2.49657E-11	1.03843E-09	4.15373E-12
778	571039.2	4178246	9.17, 41782	16.91212	6.90765	2.82369	857.31055	271.11205	1316.76682	274.95229	93.64332	189.48612	9.17E-07	0.000427	6.15E-05	2.83E-10	8.54E-10	6.75E-10	8.59E-13	2.07E-11	1.14E-12	2.27451E-11	3.055E-07	1.5821E-05	2.04965E-05	2.89308E-10	3.4717E-12	1.44403E-10	5.77612E-13
779	571039.2	4178286	9.17, 41782	28.85834	15.10006	3.68614	1240.055	260.3069	1323.38037	549.80999	92.85324	215.01085	1.2E-06	0.000429	6.98E-05	3.69E-10	1.12E-09	8.81E-10	1.12E-12	2.71E-11	1.5E-12	2.97059E-11	3.991E-07	1.59E-05	2.32645E-05	3.77846E-10	4.53415E-12	1.88595E-10	7.54379E-13
780	571039.2	4178326	9.17, 41783	6.67676	17.1171	4.10991	443.85334	276.43557	1246.54946	131.23026	111.87763	155.81868	1.33E-06	0.000404	5.06E-05	4.12E-10	1.24E-09	9.82E-10	1.25E-12	3.02E-11	1.67E-12	3.31158E-11	4.449E-07	1.4977E-05	1.68519E-05	4.21218E-10	5.05462E-12	2.10244E-10	8.40974E-13
781	571039.2	4178366	9.17, 41783	4.40971	16.57374	4.87433	310.01939	259.88486	992.68074	73.97776	106.04392	160.75052	1.58E-06	0.000322	5.22E-05	4.88E-10	1.47E-09	1.16E-09	1.48E-12	3.58E-11	1.98E-12	3.92669E-11	5.275E-07	1.1927E-05	1.73834E-05	4.99459E-10	5.9935E-12	2.49296E-10	9.97183E-13
782	571039.2	4178406	9.17, 41784	4.40492	15.47088	6.2465	249.62047	251.60574	625.26496	54.55389	95.67705	86.62547	2.03E-06	0.000203	2.81E-05	6.26E-10	1.89E-09	1.49E-09	1.9E-12	4.59E-11	2.53E-12	5.03092E-11	6.758E-07	7.5127E-06	9.36805E-06	6.39912E-10	7.67894E-12	3.194E-10	1.2776E-12
783	571039.2	4178446	9.17, 41784	6.02235	17.33371	7.45895	271.18693	258.43077	565.95619	53.34538	113.33058	91.15286	2.42E-06	0.000184	2.96E-05	7.47E-10	2.26E-09	1.78E-09	2.27E-12	5.48E-11	3.02E-12	6.00722E-11	8.07E-07	6.8002E-06	9.85754E-06	7.64092E-10	9.16911E-12	3.81383E-10	1.52553E-12
784	571079.2	4178246	9.17, 41782	26.90238	12.76385	4.78342	686.22219	257.40547	1959.72628	294.80616	92.56412	417.67679	1.55E-06	0.000636	0.000136	4.79E-10	1.45E-09	1.14E-09	1.45E-12	3.51E-11	1.94E-12	3.85327E-11	5.176E-07	2.3545E-05	4.51703E-05	4.90119E-10	5.88143E-12	2.44634E-10	9.78536E-13
785	571079.2	4178286	9.17, 41782	49.90964	15.92317	13.80121	957.6563	283.49226	4117.74908	414.11972	108.09945	689.22522	4.48E-06	0.001336	0.000224	1.38E-09	4.17E-09	3.3E-09	4.2E-12	1.01E-10	5.59E-12	1.11128E-10	1.493E-06	4.9472E-05	7.45352E-05	1.41349E-09	1.69619E-11	7.0552E-10	2.82208E-12
786	571079.2	4178326	9.17, 41783	16.67986	14.36437	14.4793	793.60016	243.70787	3077.685	313.14105	91.11491	664.711	4.7E-06	0.000998	0.000216	1.45E-09	4.38E-09	3.46E-09	4.4E-12	1.06E-10	5.87E-12	1.16575E-10	1.566E-06	3.6976E-05	7.18816E-05	1.48278E-09	1.77934E-11	7.40104E-10	2.96042E-12
787	571079.2	4178366	9.17, 41783	6.18218	17.09307	7.0902	419.38901	255.0076	1488.27193	110.95083	108.56867	287.95219	2.3E-06	0.000483	9.34E-05	7.1E-10	2.14E-09	1.69E-09	2.16E-12	5.21E-11	2.87E-12	5.71037E-11	7.671E-07	1.7881E-05	3.11383E-05	7.26335E-10	8.71602E-12	3.62537E-10	1.45015E-12
788	571079.2	4178406	9.17, 41784	4.42977	14.91	5.35349	310.20505	209.99469	815.89349	72.09993	91.11305	117.58287	1.74E-06	0.000265	3.81E-05	5.36E-10	1.62E-09	1.28E-09	1.63E-12	3.93E-11	2.17E-12	4.31204E-11	5.793E-07	9.8028E-06	1.27159E-05	5.48472E-10	6.58167E-12	2.7376E-10	1.09504E-12
789	571119.2	4178286	9.17, 41782	25.0824	15.07438	138.00946	507.91812	256.39153	16734.57469	211.8106	106.96205	4271.60103	4.48E-05	0.005428	0.001386	1.38E-08	4.17E-08	3.29E-08	4.19E-11	1.01E-09	5.59E-11	1.11086E-09	1.492E-05	0.00020105	0.000461876	1.41297E-08	1.69556E-10	7.05257E-09	2.82103E-11
790	571119.2	4178326	9.17, 41783	197.49067	14.51391	52.98238	3348.29445	230.6601	7805.71053	1622.72219	95.52079	2122.69744	1.72E-05	0.002532	0.000689	5.3E-09	1.6E-08	1.27E-08	1.61E-11	3.89E-10	2.15E-11	4.26524E-10	5.73E-06	9.3779E-05	0.000229566	5.42519E-09	6.51023E-11	2.70789E-09	1.08316E-11
791	571119.2	4178366	9.17, 41783	10.01384	12.46582	9.59129	630.48898	206.62645	2115.5821	198.58486	83.22549	424.70779	3.11E-06	0.000686	0.000138	9.6E-10	2.9E-09	2.29E-09	2.92E-12	7.04E-11	3.89E-12	7.72264E-11	1.037E-06	2.5417E-05	4.59277E-05	9.82287E-10	1.17874E-11	4.90291E-10	1.96116E-12
792	571159.2	4178326	9.17, 41783	219.15803	19.05137	35.48029	3124.9508	277.70648	3646.5914	1560.39264	128.55095	753.34584	1.15E-05	0.001183	0.000245	3.55E-09	1.07E-08	8.47E-09	1.08E-11	2.61E-10	1.44E-11	2.85665E-10	3.837E-06	4.3812E-05	8.15023E-05	3.63353E-09	4.36024E-11	1.81361E-09	7.25444E-12
793	570808.8	4178465	8.82, 41784	10.95844	3.34212	2.15804	1253.90468	193.66587	956.23037	302.59047	56.7134	159.37173	7E-07	0.00031	5.17E-05	2.16E-10	6.53E-10	5.15E-10	6.56E-13	1.58E-11	8.75E-13	1.7379E-11	2.335E-07	1.1489E-05	1.72412E-05	2.21053E-10	2.65263E-12	1.10335E-10	4.41338E-13
794	570823.9	4178530	3.91, 41785	3.05561	3.25593	2.40542	358.64643	197.99385	1108.94733	70.39413	63.38636	140.39269	7.81E-07	0.00036	4.55E-05	2.41E-10	7.27E-10	5.74E-10	7.31E-13	1.77E-11	9.75E-13	1.93682E-11	2.602E-07	1.3324E-05	1.51821E-05	2.46355E-10	2.95626E-12	1.22963E-10	4.91854E-13
795	570883.3	4178602	3.31, 41786	3.07425	4.49746	2.05933	479.66242	287.53386	914.81532	94.76169	103.00469	119.05382	6.68E-07	0.000297	3.86E-05	2.06E-10	6.23E-10	4.92E-10	6.26E-13	1.51E-11	8.35E-13	1.6585E-11	2.228E-07	1.0992E-05	1.28756E-05	2.10954E-10	2.53145E-12	1.05294E-10	4.21175E-13
796	571181.5	4178310	1.45, 41783	77.30582	13.12592	35.80897	2585.53888	242.23364	1672.90767	872.95261	114.20023	513.62427	1.16E-05	0.000543	0.000167	3.58E-09	1.08E-08	8.55E-09	1.09E-11	2.63E-10	1.45E-11	2.88267E-10	3.872E-06	2.01E-05	5.55619E-05	3.66663E-09	4.39995E-11	1.83013E-09	7.32052E-12
797	571067.8	4178207	7.83, 41782	5.36607	4.9243	1.64986	895.65181	299.02694	904.65641	223.56067	96.05921	144.20823	5.36E-07	0.000293	4.68E-05	1.65E-10	4.99E-10	3.94E-10	5.02E-13	1.21E-11	6.69E-13	1.32906E-11	1.785E-07	1.087E-05	1.55992E-05	1.6905E-10	2.0286E-12	8.43783E-11	3.37513E-13
798	570799.9	4178447	9.89, 41784	4.88888	2.78293	1.75814	732.83791	152.28075	768.58836	142.77112	52.0733	124.31973	5.71E-07	0.000249	4.03E-05	1.76E-10	5.32E-10	4.2E-10	5.34E-13	1.29E-11	7.13E-13	1.41577E-11	1.902E-07	9.2345E-06	1.34464E-05	1.8008E-10	2.16096E-12	8.98838E-11	3.59535E-13

	Trenching	Grading	Stockpile
Emissions Rate (g/s):	2.05E-13	1.82E-12	7.38E-09

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	0	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	0	10	2	70	0.85
2<9	861	1	0.854795	0.000001	0	3	0.55	70	0.72
Student	640	1	0.493151	0.000001	0	3	2.8	70	1
Worker	230	1	0.684932	0.000001	0	1	2.8	70	1

Chlorobenzene

	Chronic (Annu	Acute (1hr)	8hr
REL:	1000	1	1

				Concentration [μg/m^3] at 1 g/s									Concentration (μg/m^3) Unmitigated			Unmitigated Residential Dose			Risk by Age Group				Unmitigated			Student Unmitigated		Worker Unmitigated	
#	X	Y	X,Y	Trenching Period	Grading Period	Stockpile Period	Treching 1hr	Grading 1hr	Stockpile 1hr	Trenching 8hr	Grading 8hr	Stockpile 8hr	Period Tota	1hr Total	8hr Total	3rd	0<2	2<9	3rd	0<2	2<9	Total Risk	Chronic	Acute	8hr	Dose	Risk	Dose	Risk
1	570310.6	4177919	0.55, 41779	0.08215	0.06425	0.08047	53.98877	25.74637	57.86027	6.7486	3.78109	7.23253	5.94E-10	4.27E-07	5.34E-08	1.83E-13	5.53E-13	4.37E-13	0	0	0	0	5.941E-13	4.271E-07	5.33944E-08	1.87493E-13	0	9.3584E-14	0
2	570350.6	4177919	0.55, 41779	0.08744	0.06946	0.0859	61.34869	26.43683	62.74615	7.66859	3.66465	7.84327	6.34E-10	4.63E-07	5.79E-08	1.96E-13	5.91E-13	4.67E-13	0	0	0	0	6.341E-13	4.6317E-07	5.7904E-08	2.00146E-13	0	9.98991E-14	0
3	570390.6	4177919	0.55, 41779	0.09273	0.07514	0.09126	67.57642	27.23616	68.95787	8.44705	3.80844	8.61973	6.74E-10	5.09E-07	6.36E-08	2.08E-13	6.28E-13	4.96E-13	0	0	0	0	6.737E-13	5.0902E-07	6.36363E-08	2.12635E-13	0	1.06133E-13	0
4	570430.6	4177919	0.55, 41779	0.09799	0.08123	0.09661	71.34976	28.07066	72.35504	8.91872	4.01428	9.04438	7.13E-10	5.34E-07	6.68E-08	2.2E-13	6.65E-13	5.25E-13	0	0	0	0	7.132E-13	5.3409E-07	6.67715E-08	2.25102E-13	0	1.12355E-13	0
5	570470.6	4177919	0.55, 41779	0.10292	0.08757	0.10182	71.34124	28.88227	71.18869	8.91766	4.18506	8.89859	7.52E-10	5.25E-07	6.57E-08	2.32E-13	7E-13	5.53E-13	0	0	0	0	7.517E-13	5.2549E-07	6.56954E-08	2.37242E-13	0	1.18415E-13	0
6	570510.6	4177919	0.55, 41779	0.10719	0.09397	0.10631	70.57748	29.51269	72.86498	8.82218	4.31581	9.10812	7.85E-10	5.38E-07	6.72E-08	2.42E-13	7.31E-13	5.78E-13	0	0	0	0	7.848E-13	5.3786E-07	6.72417E-08	2.47705E-13	0	1.23638E-13	0
7	570550.6	4177919	0.55, 41779	0.11095	0.10041	0.10942	80.02506	30.00614	83.29269	10.00313	4.88273	10.41159	8.08E-10	6.15E-07	7.69E-08	2.49E-13	7.53E-13	5.95E-13	0	0	0	0	8.078E-13	6.1483E-07	7.68646E-08	2.54954E-13	0	1.27256E-13	0
8	570590.6	4177919	0.55, 41779	0.11537	0.10684	0.11183	81.14556	31.22548	84.40479	10.14319	5.49199	10.5506	8.26E-10	6.23E-07	7.79E-08	2.55E-13	7.69E-13	6.08E-13	0	0	0	0	8.256E-13	6.2304E-07	7.78908E-08	2.60572E-13	0	1.3006E-13	0
9	570630.6	4177919	0.55, 41779	0.12154	0.11343	0.11602	82.02682	32.76834	84.97635	10.54682	6.07261	10.62204	8.57E-10	6.27E-07	7.84E-08	2.64E-13	7.98E-13	6.3E-13	0	0	0	0	8.565E-13	6.2726E-07	7.84189E-08	2.70336E-13	0	1.34933E-13	0
10	570670.6	4177919	0.55, 41779	0.12896	0.11974	0.12346	90.28793	34.09351	94.2666	12.11861	6.60764	13.84836	9.11E-10	6.96E-07	1.02E-07	2.81E-13	8.49E-13	6.71E-13	0	0	0	0	9.115E-13	6.9583E-07	1.02234E-07	2.87672E-13	0	1.43586E-13	0
11	570710.6	4177919	0.55, 41779	0.13589	0.12543	0.13131	92.03158	38.34133	98.54944	11.50395	7.03486	13.72911	9.69E-10	7.27E-07	1.01E-07	2.99E-13	9.03E-13	7.13E-13	0	0	0	0	9.694E-13	7.2745E-07	1.01353E-07	3.05961E-13	0	1.52715E-13	0
12	570750.6	4177919	0.55, 41779	0.14097	0.13029	0.13561	98.93292	42.68075	106.54938	12.36662	7.25038	14.15663	1E-09	7.87E-07	1.05E-07	3.09E-13	9.33E-13	7.37E-13	0	0	0	0	1.001E-12	7.865E-07	1.0451E-07	3.15981E-13	0	1.57716E-13	0
13	570790.6	4177919	0.55, 41779	0.1434	0.13429	0.137	101.78306	44.96916	112.12821	12.72288	7.16867	14.01603	1.01E-09	8.28E-07	1.03E-07	3.12E-13	9.42E-13	7.44E-13	0	0	0	0	1.011E-12	8.2768E-07	1.03473E-07	3.19222E-13	0	1.59334E-13	0
14	570830.6	4177919	0.55, 41779	0.14249	0.1373	0.1371	103.05806	46.92439	113.14313	12.88226	6.63254	14.14289	1.01E-09	8.35E-07	1.04E-07	3.12E-13	9.43E-13	7.45E-13	0	0	0	0	1.012E-12	8.3518E-07	1.0441E-07	3.19456E-13	0	1.59451E-13	0
15	570870.6	4177919	0.55, 41779	0.13915	0.13926	0.13269	113.81753	49.41272	127.10432	14.22719	6.17659	15.88804	9.8E-10	9.38E-07	1.17E-07	3.02E-13	9.13E-13	7.21E-13	0	0	0	0	9.796E-13	9.3823E-07	1.17293E-07	3.09184E-13	0	1.54324E-13	0
16	570910.6	4177919	0.55, 41779	0.13537	0.14116	0.12571	103.09741	52.00284	118.27061	16.13684	6.50036	14.78383	9.28E-10	8.73E-07	1.09E-07	2.86E-13	8.65E-13	6.83E-13	0	0	0	0	9.281E-13	8.7303E-07	1.09147E-07	2.92926E-13	0	1.46209E-13	0
17	570950.6	4177919	0.55, 41779	0.13129	0.14261	0.12523	128.63222	54.75687	154.09416	19.7206	7.6051	23.34348	9.25E-10	1.14E-06	1.72E-07	2.85E-13	8.61E-13	6.8E-13	0	0	0	0	9.246E-13	1.1374E-06	1.7233E-07	2.91808E-13	0	1.45651E-13	0
18	570990.6	4177919	0.55, 41779	0.12715	0.1442	0.12572	126.51514	58.01026	163.29109	18.07359	9.36612	23.3273	9.28E-10	1.21E-06	1.72E-07	2.86E-13	8.65E-13	6.83E-13	0	0	0	0	9.282E-13	1.2053E-06	1.72207E-07	2.9295E-13	0	1.46221E-13	0
19	571030.6	4177919	0.55, 41779	0.12254	0.14609	0.11762	125.39004	62.99788	174.41478	17.19472	10.49965	21.80185	8.68E-10	1.29E-06	1.61E-07	2.68E-13	8.09E-13	6.39E-13	0	0	0	0	8.684E-13	1.2874E-06	1.60947E-07	2.74082E-13	0	1.36803E-13	0
20	571070.6	4177919	0.55, 41779	0.1201	0.14847	0.1104	126.80092	67.58831	177.9713	16.22667	10.87469	22.24641	8.15E-10	1.31E-06	1.64E-07	2.52E-13	7.59E-13	6E-13	0	0	0	0	8.151E-13	1.3137E-06	1.64226E-07	2.57265E-13	0	1.28409E-13	0
21	571110.6	4177919	0.55, 41779	0.1205	0.15044	0.10927	126.62476	68.47754	165.66905	20.2586	9.61445	20.70863	8.07E-10	1.22E-06	1.53E-07	2.49E-13	7.52E-13	5.94E-13	0	0	0	0	8.068E-13	1.2229E-06	1.52884E-07	2.54634E-13	0	1.27096E-13	0
22	571150.6	4177919	0.55, 41779	0.1212	0.15159	0.11602	131.66409	62.22893	172.39569	21.10658	9.19459	24.99313	8.57E-10	1.27E-06	1.85E-07	2.64E-13	7.98E-13	6.3E-13	0	0	0	0	8.566E-13	1.2725E-06	1.84508E-07	2.70358E-13	0	1.34944E-13	0
23	571190.6	4177919	0.55, 41779	0.12215	0.15198	0.11825	137.85581	66.48698	180.99172	19.69369	10.25241	26.94632	8.73E-10	1.34E-06	1.99E-07	2.69E-13	8.13E-13	6.43E-13	0	0	0	0	8.731E-13	1.336E-06	1.98921E-07	2.75553E-13	0	1.37537E-13	0
24	571230.6	4177919	0.55, 41779	0.12354	0.15154	0.11348	148.65332	75.08948	179.38421	21.23619	9.50538	22.42303	8.38E-10	1.32E-06	1.66E-07	2.59E-13	7.81E-13	6.17E-13	0	0	0	0	8.379E-13	1.3241E-06	1.6554E-07	2.64442E-13	0	1.31991E-13	0
25	571270.6	4177919	0.55, 41779	0.12544	0.15047	0.11372	135.01221	73.55453	181.97135	18.66937	9.80753	25.99591	8.4E-10	1.34E-06	1.92E-07	2.59E-13	7.82E-13	6.18E-13	0	0	0	0	8.396E-13	1.3432E-06	1.91905E-07	2.65E-13	0	1.3227E-13	0
26	571310.6	4177919	0.55, 41779	0.12844	0.14895	0.1185	144.25948	74.57026	160.72945	18.03243	9.63087	20.79832	8.75E-10	1.19E-06	1.54E-07	2.7E-13	8.15E-13	6.44E-13	0	0	0	0	8.749E-13	1.1865E-06	1.53542E-07	2.76134E-13	0	1.37827E-13	0
27	571350.6	4177919	0.55, 41779	0.13264	0.1484	0.12186	134.13439	65.82548	182.86761	16.7668	8.49886	22.85845	9E-10	1.35E-06	1.69E-07	2.78E-13	8.38E-13	6.62E-13	0	0	0	0	8.997E-13	1.3498E-06	1.68744E-07	2.83961E-13	0	1.41734E-13	0
28	571390.6	4177919	0.55, 41779	0.13487	0.1464	0.12015	140.45529	51.40311	177.22554	17.55691	7.98518	22.15319	8.87E-10	1.31E-06	1.64E-07	2.74E-13	8.27E-13	6.53E-13	0	0	0	0	8.871E-13	1.3082E-06	1.6354E-07	2.79977E-13	0	1.39745E-13	0
29	571430.6	4177919	0.55, 41779	0.14548	0.15293	0.12366	139.19794	49.3636	190.22803	17.39974	7.65374	23.7785	9.13E-10	1.4E-06	1.76E-07	2.82E-13	8.51E-13	6.72E-13	0	0	0	0	9.13E-13	1.4041E-06	1.75536E-07	2.88158E-13	0	1.43829E-13	0
30	571470.6	4177919	0.55, 41779	0.15916	0.16179	0.13045	134.87595	45.89373	190.37308	16.85949	6.86379	23.79664	9.63E-10	1.41E-06	1.76E-07	2.97E-13	8.97E-13	7.09E-13	0	0	0	0	9.631E-13	1.4052E-06	1.75669E-07	3.03981E-13	0	1.51726E-13	0
31	571510.6	4177919	0.55, 41779	0.17426	0.17151	0.14116	122.2315	42.4201	161.48029	15.27894	5.85942	20.18504	1.04E-09	1.19E-06	1.49E-07	3.22E-13	9.71E-13	7.67E-13	0	0	0	0	1.042E-12	1.1919E-06	1.4901E-07	3.28936E-13	0	1.64182E-13	0
32	571550.6	4177919	0.55, 41779	0.18787	0.18026	0.15558	112.99449	35.73716	155.78517	14.12431	5.76206	19.47315	1.15E-09	1.15E-06	1.44E-07	3.54E-13	1.07E-12	8.45E-13	0	0	0	0	1.149E-12	1.1499E-06	1.43753E-07	3.62532E-13	0	1.80951E-13	0
33	571590.6	4177919	0.55, 41779	0.19949	0.18751	0.17419	94.68734	29.26563	123.69427	11.83592	5.30509	15.46178	1.29E-09	9.13E-07	1.14E-07	3.97E-13	1.2E-12	9.46E-13	0	0	0	0	1.286E-12	9.1302E-07	1.14142E-07	4.05888E-13	0	2.02592E-13	0
34	570310.6	4177959	0.55, 41779	0.08597	0.06676	0.0838	56.89619	26.25101	62.23098	7.11202	4.18522	7.77887	6.19E-10	4.59E-07	5.74E-08	1.91E-13	5.76E-13	4.55E-13	0	0	0	0	6.186E-13	4.5936E-07	5.74275E-08	1.95252E-13	0	9.74566E-14	0
35	570350.6	4177959	0.55, 41779	0.09204	0.07257	0.08995	58.96006	27.16756	63.77509	7.37001	4.19821	7.97189	6.64E-10	4.71E-07	5.89E-08	2.05E-13	6.19E-13	4.89E-13	0	0	0	0	6.64E-13	4.7076E-07	5.88527E-08	2.09582E-13	0	1.04609E-13	0
36	570390.6	4177959	0.55, 41779	0.09833	0.07904	0.09639	63.0038	28.02201	66.12463	7.87548	4.15896	8.26558	7.12E-10	4.88E-07	6.1E-08	2.2E-13	6.63E-13	5.24E-13	0	0	0	0	7.116E-13	4.8811E-07	6.10213E-08	2.24588E-13	0	1.12099E-13	0
37	570430.6	4177959	0.55, 41779	0.10461	0.08611	0.10266	70.72142	28.76698	72.80329	8.84018	4.23038	9.10041	7.58E-10	5.37E-07	6.72E-08	2.34E-13	7.06E-13	5.58E-13	0	0	0	0	7.579E-13	5.374E-07	6.71848E-08	2.39198E-13	0	1.19391E-13	0
38	570470.6	4177959	0.55, 41779	0.11098	0.09385	0.10929	78.78718	29.82596	80.74124	9.8484	4.47695	10.09265	8.07E-10	5.96E-07	7.45E-08	2.49E-13	7.52E-13	5.94E-13	0	0	0	0	8.068E-13	5.9599E-07	7.45103E-08	2.54647E-13	0	1.27103E-13	0
39	570510.6	4177959	0.55, 41779	0.1169	0.10189	0.11567	83.26174	30.87615	84.48278	10.40772	4.70339	10.56035	8.54E-10	6.24E-07	7.8E-08	2.64E-13	7.96E-13	6.28E-13	0	0	0	0	8.539E-13	6.2361E-07	7.79633E-08	2.69514E-13	0	1.34523E-13	0
40	570550.6	4177959	0.55, 41779	0.12213	0.11	0.12099	82.46075	31.83495	82.01237	10.30759	4.9071	10.25155	8.93E-10	6.05E-07	7.57E-08	2.76E-13	8.32E-13	6.57E-13	0	0	0	0	8.932E-13	6.0538E-07	7.5684E-08	2.81912E-13	0	1.40711E-13	0
41	570590.6	4177959	0.55, 41779	0.1275	0.1185	0.12492	87.61849	32.53805	91.54904	10.95231	5.6614	11.44363	9.22E-10	6.76E-07	8.45E-08	2.85E-13	8.59E-13	6.79E-13	0	0	0	0	9.222E-13	6.7577E-07	8.44836E-08	2.91072E-13	0	1.45283E-13	0
42	570630.6	4177959	0.55, 41779	0.13429	0.12721	0.12893	94.25098	33.95012	99.61773	11.78137	6.34882	12.45222	9.52E-10	7.35E-07	9.19E-08	2.94E-13	8.87E-13	7.01E-13	0	0	0	0	9.518E-13	7.3532E-07	9.19293E-08	3.00418E-13	0	1.49948E-13	0
43	570670.6	4177959	0.55, 41779	0.1434	0.13582	0.13624	91.47953	35.4429	96.20253	12.89467	6.97952	13.63762	1.01E-09	7.1E-07	1.01E-07	3.1E-13	9.37E-13	7.4E-13	0	0	0	0	1.006E-12	7.1012E-07	1.00681E-07	3.17452E-13	0	1.58451E-13	0
44	570710.6	4177959	0.55, 41779	0.15342	0.14402	0.1467	103.54122	38.62398	108.53691	12.94265	7.57754	15.98544	1.08E-09	8.01E-07	1.18E-07	3.34E-13	1.01E-12	7.97E-13	0	0	0	0	1.083E-12	8.0116E-07	1.18009E-07	3.41824E-13	0	1.70615E-13	0
45	570750.6	4177959	0.55, 41779	0.16261	0.1515	0.15549	105.52732	44.38977	114.23814	13.19092	8.09206	15.7724	1.15E-09	8.43E-07	1.16E-07	3.54E-13	1.07E-12	8.45E-13	0	0	0	0	1.148E-12	8.4325E-07	1.16437E-07	3.62304E-13	0	1.80838E-13	0
46	570790.6	4177959	0.55, 41779	0.16989	0.15823	0.16076	113.60479	47.24143	124.57926	14.2006	8.3928	15.57241	1.19E-09	9.2E-07	1.15E-07	3.66E-13	1.11E-12	8.73E-13	0	0	0	0	1.187E-12	9.1959E-07	1.14963E-07	3.74585E-13	0	1.86967E-13	0
47	570830.6	4177959	0.55, 41779	0.1738	0.16401	0.16481	115.20896	49.45722	130.36471	14.40112	8.28774	16.29559	1.22E-09	9.62E-07	1.2E-07	3.75E-13	1.13E-12	8.95E-13	0	0	0	0	1.217E-12	9.6229E-07	1.20301E-07	3.84023E-13	0	1.91678E-13	0
48	570870.6	4177959	0.55, 41779	0.17339	0.16851	0.16469	122.33209	52.01335	138.82114	15.29151	7.46689	17.35264	1.22E-09	1.02E-06	1.28E-07	3.75E-13	1.13E-12	8.95E-13	0	0	0	0	1.216E-12	1.0247E-06	1.28105E-07	3.83746E-13	0	1.9154E-13	0
49	570910.6	4177959	0.55, 41779	0.16973	0.17204	0.1579	128.70888	55.67631	149.19916	16.08861	6.95954	18.64989	1.17E-09	1.1E-06	1.38E-07	3.6E-13	1.09E-12	8.58E-13	0	0	0	0	1.166E-12	1.1013E-06	1.37681E-07	3.67931E-13	0	1.83646E-13	0
50	570950.6	4177959	0.55, 41779	0.16375	0.1746	0.15354	137.78687	58.35606	146.62449	21.41966	8.40086	22.62642	1.13E-09	1.08E-06	1.67E-07	3.5E-13	1.06E-12	8.34E-13	0	0	0	0	1.134E-12	1.0823E-06	1.67041E-07	3.57775E-13	0	1.78577E-13	0
51	570990.6	4177959	0.55, 41779	0.1571	0.17611	0.15296	148.41379	62.43724	189.01685	21.20197	10.20575	28.13097	1.13E-09	1.4E-06	2.08E-07	3.48E-13	1.05E-12	8.31E-13	0	0	0	0	1.129E-12	1.3952E-06	2.07668E-07	3.56425E-13	0	1.77903E-13	0
52	571030.6	4177959	0.55, 41779	0.15135	0.1787	0.14372	141.29712	68.4386	198.29024	19.05284	11.40643	25.9054	1.06E-09	1.46E-06	1.91E-07	3.27E-13	9.89E-13	7.81E-13	0	0	0	0	1.061E-12	1.4637E-06	1.91237E-07	3.34902E-13	0	1.6716E-13	0
53	571070.6	4177959	0.55, 41779	0.14838	0.1815	0.13361	143.49488	74.36914	202.29359	18.79197	11.80682	25.2867	9.86E-10	1.49E-06	1.87E-07	3.04E-13	9.19E-13	7.26E-13	0	0	0	0	9.865E-13	1.4932E-06	1.8667E-07	3.11352E-13	0	1.55406E-13	0
54	571110.6	4177959	0.55, 41779	0.14858	0.18375	0.13332	140.62761	73.34522	192.64407	22.74237	10.22286	24.08051	9.84E-10	1.42E-06	1.78E-07	3.04E-13	9.17E-13	7.24E-13	0	0	0	0	9.844E-13	1.422E-06	1.77776E-07	3.10678E-13	0	1.55069E-13	0
55	571150.6	4177959	0.55, 41779	0.14994	0.18566	0.14292	146.3467	67.83983	199.40983	22.92053	11.48399	30.37919	1.06E-09	1.47E-06	2.24E-07	3.26E-13	9.83E-13	7.77E-13	0	0	0	0	1.055E-12	1.4719E-06	2.24265E-07	3.33042E-13	0	1.66232E-13	0
56	571190.6	4177959	0.55, 41779	0.1525	0.18616	0.14359	161.89014	78.97315	204.49698	23.12716	11.84075	29.21385	1.06E-09	1.51E-06	2.16E-07	3.27E-13	9.88E-13	7.8E-13	0	0	0	0	1.06E-12	1.5095E-06	2.15664E-07	3.34603E-13	0	1.67011E-13	0
57	571230.6	4177959	0.55, 41779	0.15542	0.18516	0.1383	156.07845	81.92899	197.17574	22.29692	11.22006	24.64697	1.02E-09	1.46E-06	1.82E-07	3.15E-13	9.51E-13	7.52E-13	0	0	0	0	1.021E-12	1.4555E-06	1.81956E-07	3.2228E-13	0	1.6086E-13	0
58	571270.6	4177959	0.55, 41779	0.15909	0.18379	0.14205	158.42767	82.70179	205.30007	19.80346	11.54254	29.32858	1.05E-09	1.52E-06	2.17E-07	3.24E-13	9.77E-13	7.72E-13	0	0	0	0	1.049E-12	1.5154E-06	2.16504E-07	3.31015E-13	0	1.6522E-13	0
59	571310.6	4177959	0.55, 41779	0.1655	0.18382	0.1484	150.26158	75.50789	204.0765	18.7827	10.48328	25.50956	1.1E-09	1.51E-06	1.88E-07	3.38E-13	1.02E-12	8.06E-13	0	0	0	0	1.096E-12	1.5064E-06	1.88315E-07	3.45807E-13	0	1.72603E-13	0
60	571350.6	4177959	0.55, 41779	0.17654	0.1881	0.15257	154.82597	60.83045	189.56737	19.35325	9.71095	23.69592	1.13E-09	1.4E-06	1.75E-07	3.48E-13	1.05E-12	8.29E-13	0	0	0	0	1.126E-12	1.3993E-06	1.7493E-07	3.55524E-13	0	1.77454E-13	0
61	571390.6	4177959	0.55, 41779	0.18842	0.1934	0.15428	152.92189	54.55359	214.59873	19.11524	9.16318	26.82484	1.14E-09	1.58E-06	1.98E-07	3.51E-13	1.06E-12	8.38E-13	0	0	0	0	1.139E-12	1.584E-06	1.98023E-07	3.59512E-13	0	1.79444E-13	0
62	571430.6	4177959	0.55, 41779	0.20645	0.20414	0.16292	148.33328	50.38722	217.66749	18.54166	8.09078	27.20844	1.2E-09	1.61E-06	2.01E-07	3.71E-13	1.12E-12	8.85E-13	0	0	0	0	1.203E-12	1.6066E-06	2.00854E-07	3.79645E-13	0	1.89493E-13	0
63	571470.6	4177959	0.55, 41779	0.22554	0.21577	0.17809	134.13897	46.24246	185.84967	16.76737	6.92684	23.23121	1.31E-09	1.37E-06	1.71E-07	4.06E-13	1.23E-12	9.68E-13	0	0	0	0	1.315E-12	1.3718E-06	1.71495E-07	4.14991E-13	0	2.07135E-13	0
64	571510.6	4177959	0.55, 41779	0.24332	0.22654	0.20114	122.33786	38.55117	174.21255	15.29223	6.75463	21.77657	1.49E-09	1.29E-06	1.61E-07	4.58E-13	1.38E-12	1.09E-12	0	0	0	0	1.485E-12	1.2859E-06	1.60756E-07	4.68692E-13	0	2.33939E-13	0
65	571550.6	4177959	0.55, 41779	0.25539	0.23344	0.22684	100.38932	31.1899	131.18831	12.54867	6.13877	16.39854	1.67E-09	9.68E-07	1.21E-07	5.17E-13	1.56E-12	1.23E-12	0	0	0	0	1.675E-12	9.6833E-07	1.21057E-07	5.28564E-13	0	2.63823E-13	0
66	571590.6	4177959	0.55, 41779	0.26174	0.2364	0.25018	103.20811	24.1035	113.64553	12.90101	5.55119	14.20569	1.85E-09	8.39E-07	1.05E-07	5.7E-13	1.72E-12	1.36E-12	0	0	0	0	1.847E-12	8.3884E-07	1.04873E-07	5.82936E-13	0	2.90962E-13	0
67	570310.6	4177999	0.55, 41779	0.08992	0.06909	0.08739	61.55411	26.71644	63.33313	7.69426	4.42886	7.91664	6.45E-10	4.68E-07	5.84E-08	1.99E-13	6.01E-13	4.75E-13	0	0	0	0	6.451E-13	4.675E-07	5.84455E-08	2.03617E-13	0	1.01632E-13	0
68	570350.6	4177999	0.55, 41779	0.09687	0.07551	0.09431	63.16088	27.72336	68.96816	7.89511	4.52605	8.62102	6.96E-10	5.09E-07	6.36E-08	2.15E-13	6.49E-13	5.12E-13	0	0	0	0	6.962E-13	5.0909E-07	6.36447E-08	2.1974E-13	0	1.09679E-13	0
69	570390.6	4177999	0.55, 41779	0.10411	0.08268	0.10154	65.18315	28.66629	70.59128	8.14789	4.5901	8.82391	7.5E-10	5.21E-07	6.51E-08	2.31E-13	6.98E-13	5.52E-13	0	0	0	0	7.496E-13	5.2108E-07	6.51427E-08	2.36587E-13	0	1.18088E-13	0
70	570430.6	4177999	0.55, 41779	0.11178	0.0909	0.10932	69.77828	29.77159	73.90272	8.72229	4.64595	9.23784	8.07E-10	5.46E-07	6.82E-08	2.49E-13	7.52E-13	5.94E-13	0	0	0	0	8.07E-13	5.4552E-07	6.81989E-08	2.54715E-13	0	1.27137E-13	0
71	570470.6	4177999	0.55, 41779	0.11947	0.09994	0.11702	73.23749	30.82615	79.61188	9.15469	4.70414	9.95148	8.64E-10	5.88E-07	7.35E-08	2.67E-13	8.05E-13	6.36E-13	0	0	0	0	8.639E-13	5.8766E-07	7.34669E-08	2.72658E-13	0	1.36092E-13	0
72	570510.6	4177999	0.55, 41779	0.12689	0.1096	0.1248	83.36058	31.87471	86.19643	10.42007	5.00665	10.77455	9.21E-10	6.36E-07	7.95E-08	2.84E-13	8.58E-13	6.78E-13	0	0	0	0	9.213E-13	6.3626E-07	7.95443E-08	2.90787E-13	0	1.45141E-13	0
73	570550.6	4177999	0.55, 41779	0.1338	0.11968	0.13227	93.92369	33.13511	96.59692	11.74046	5.30601	12.07462	9.76E-10	7.13E-07	8.91E-08	3.01E-13	9.1E-13	7.19E-13	0	0	0	0	9.765E-13	7.1303E-07	8.91423E-08	3.08194E-13	0	1.5383E-13	0
74	570590.6	4177999	0.55, 41779	0.14077	0.13095	0.13895	98.98148	34.43475	100.81152	12.37268	5.77536	12.60144	1.03E-09	7.44E-07	9.3E-08	3.17E-13	9.56E-13	7.55E-13	0	0	0	0	1.026E-12	7.4414E-07	9.30319E-08	3.23762E-13	0	1.616E-13	0
75	570630.6	4177999	0.55, 41779	0.14863	0.14246	0.14416	96.29887	35.58815	97.29546	12.03736	6.62596	12.16193	1.06E-09	7.18E-07	8.98E-08	3.28E-13	9.92E-13	7.83E-13	0	0	0	0	1.064E-12	7.1819E-07	8.97873E-08	3.35906E-13	0	1.67661E-13	0
76	570670.6	4177999	0.55, 41779	0.15906	0.15417	0.15133	108.0953	37.02771	115.61321	13.51191	7.37805	14.45165	1.12E-09	8.53E-07	1.07E-07	3.45E-13	1.04E-12	8.22E-13	0	0	0	0	1.117E-12	8.5339E-07	1.0669E-07	3.52615E-13	0	1.76001E-13	0
77	570710.6	4177999	0.55, 41779	0.17207	0.16581	0.16328	109.21603	39.28347	116.55796	14.39109	8.06843	17.60456	1.21E-09	8.6E-07	1.3E-07	3.72E-13	1.12E-12	8.87E-13	0	0	0	0	1.205E-12	8.6037E-07	1.29962E-07	3.8046E-13	0	1.899E-13	0
78	570750.6	4177999	0.55, 41779	0.18601	0.17706	0.17647	119.66853	46.10023	126.10142	14.95857	8.7788	16.77146	1.3E-09	9.31E-07	1.24E-07	4.02E-13	1.21E-12	9.59E-13	0	0	0	0	1.303E-12	9.3082E-07	1.23815E-07	4.11193E-13	0	2.05239E-13	0
79	570790.6	4177999	0.55, 41779	0.19953	0.18772	0.18696	122.67556	49.8289	134.57394	15.33445	9.45426	16.82174	1.38E-09	9.93E-07	1.24E-07	4.26E-13	1.29E-12	1.02E-12	0	0	0	0	1.38E-12	9.9336E-07	1.24186E-07	4.35636E-13	0	2.1744E-13	0
80	570830.6	4177999	0.55, 41779	0.21109	0.19773	0.1968	133.54261	52.4094	148.58094	16.69283	9.90962	18.57262	1.45E-09	1.1E-06	1.37E-07	4.48E-13	1.35E-12	1.07E-12	0	0	0	0	1.453E-12	1.0967E-06	1.37112E-07	4.58564E-13	0	2.28884E-13	0
81	570870.6	4177999	0.55, 41779	0.21804	0.20674	0.20398	131.45449	55.15858	156.57352	16.43181	9.77159	19.57169	1.51E-09	1.16E-06	1.44E-07	4.65E-13	1.4E-12	1.11E-12	0	0	0	0	1.506E-12	1.1557E-06	1.44485E-07	4.75295E-13	0	2.37235E-13	0
82	570910.6	4177999	0.55, 41779	0.21803	0.21414	0.20286	148.11273	59.13207	173.84644	18.51409	8.43226	21.73081	1.5E-09	1.28E-06	1.6E-07	4.62E-13	1.4E-12	1.1E-12	0	0	0	0	1.498E-12	1.2832E-06	1.60425E-07	4.7269E-13	0	2.35935E-13	0
83	570950.6	4177999	0.55, 41779	0.2114	0.21889	0.19586	140.12444	63.58464	170.21851	21.83562	9.32684	21.27731	1.45E-09	1.26E-06	1.57E-07	4.46E-13	1.35E-12	1.06E-12	0	0	0	0	1.446E-12	1.2565E-06	1.57085E-07	4.56386E-13	0	2.27797E-13	0
84	570990.6	4177999	0.55, 41779	0.2013	0.22185	0.19061	171.25011	67.61488	221.4052	25.43318	11.18299	33.45295	1.41E-09	1.63E-06	2.47E-07	4.34E-13	1.31E-12	1.04E-12	0	0	0	0	1.407E-12	1.6343E-06	2.46956E-07	4.44158E-13	0	2.21693E-13	0
85	571030.6	4177999	0.55, 41779	0.19301	0.22456	0.1804	161.4506	75.02365	233.40135	21.94671	12.50394	33.34305	1.33E-09	1.72E-06	2.46E-07	4.11E-13	1.24E-12	9.8E-13	0	0	0	0	1.332E-12	1.7228E-06	2.46138E-07	4.20375E-13	0	2.09823E-13	0
86	571070.6	4177999	0.55, 41779	0.18927	0.22808	0.16676	165.36156	82.48884	231.46597	21.97245	12.95225	28.93325	1.23E-09	1.71E-06	2.14E-07	3.8E-13	1.15E-12	9.06E-13	0	0	0	0	1.231E-12	1.7086E-06	2.13591E-07	3.88603E-13	0	1.93964E-13	0
87	571110.6	4177999	0.55, 41779	0.18141	0.21619	0.16049	158.60632	80.72549	237.56536	25.62624	11.81551	29.69982	1.18E-09	1.75E-06	2.19E-07	3.66E-13	1.1E-12	8.72E-13	0	0	0	0	1.185E-12	1.7536E-06	2.19256E-07	3.7399E-13	0	1.8667E-13	0
88	571150.6	4177999	0.55, 41779	0.19202	0.23351	0.18032	164.05988	80.42402	231.86209	24.96785	14.13496	37.65816	1.33E-09	1.71E-06	2.78E-07	4.11E-13	1.24E-12	9.8E-13	0	0	0	0	1.331E-12	1.7115E-06	2.77992E-07	4.20194E-13	0	2.09732E-13	0
89	571190.6	4177999	0.55, 41779	0.1978	0.23414	0.17819	182.21875	91.74664	241.78028	26.03125	13.21695	31.92825	1.32E-09	1.78E-06	2.36E-07	4.06E-13	1.23E-12	9.68E-13	0	0	0	0	1.316E-12	1.7847E-06	2.35704E-07	4.15233E-13	0	2.07256E-13	0
90	571230.6	4177999	0.55, 41779	0.20367	0.23289	0.17473	172.67663	91.69738	231.55794	22.62496	13.85272	33.07971	1.29E-09	1.71E-06	2.44E-07	3.98E-13	1.2E-12	9.49E-13	0	0	0	0	1.29E-12	1.7093E-06	2.44196E-07	4.07173E-13	0	2.03233E-13	0
91	571270.6	4177999	0.55, 41779	0.21358	0.23476	0.18394	171.66845	86.35935	210.57834	21.45856	13.01074	28.58393	1.36E-09	1.55E-06	2.11E-07	4.19E-13	1.27E-12	1E-12	0	0	0	0	1.358E-12	1.5544E-06	2.11011E-07	4.28629E-13	0	2.13942E-13	0
92	571310.6	4177999	0.55, 41779	0.23025	0.24083	0.19159	171.26207	72.34733	231.62674	21.40776	11.81711	28.95334	1.41E-09	1.71E-06	2.14E-07	4.37E-13	1.32E-12	1.04E-12	0	0	0	0	1.415E-12	1.7097E-06	2.13738E-07	4.46453E-13	0	2.22839E-13	0
93	571350.6	4177999	0.55, 41779	0.25373	0.25254	0.198	169.27826	60.68614	249.61103	21.15978	11.13084	31.20138	1.46E-09	1.84E-06	2.3E-07	4.51E-13	1.36E-12	1.08E-12	0	0	0	0	1.462E-12	1.8424E-06	2.30329E-07	4.61393E-13	0	2.30296E-13	0
94	571390.6	4177999	0.55, 41779	0.27999	0.26698	0.21185	164.13881	55.69534	253.30621	20.51735	9.69774	31.66328	1.56E-09	1.87E-06	2.34E-07	4.83E-13	1.46E-12	1.15E-12	0	0	0	0	1.564E-12	1.8697E-06	2.33737E-07	4.93666E-13	0	2.46405E-13	0
95	571430.6	4177999	0.55, 41779	0.30187	0.27888	0.2328	148.06777	50.74185	217.39094	18.50847	8.30154	27.17387	1.72E-09	1.6E-06	2.01E-07	5.3E-13	1.6E-12	1.26E-12	0	0	0	0	1.719E-12	1.6046E-06	2.00598E-07	5.42477E-13	0	2.70767E-13	0
96	571470.6	4177999	0.55, 41779	0.32222	0.29016	0.268	133.22849	41.8567	195.88733	16.65356	8.00082	24.48592	1.98E-09	1.45E-06	1.81E-07	6.11E-13	1.84E-12	1.46E-12	0	0	0	0	1.979E-12	1.4459E-06	1.80756E-07	6.24481E-13	0	3.11699E-13	0
97	571510.6	4177999	0.55, 41779	0.33311	0.29527	0.30394	113.25391	33.39085	138.27651	14.15674	7.16119	17.28456	2.24E-09	1.02E-06	1.28E-07	6.92E-13	2.09E-12	1.65E-12	0	0	0	0	2.244E-12	1.0207E-06	1.276E-07	7.08206E-13	0	3.53488E-13	0
98	571550.6	4177999	0.55, 41779	0.33431	0.29408	0.33024	118.79132	25.19774	142.42424	14.84891	6.75336	17.80303	2.44E-09	1.05E-06	1.31E-07	7.52E-13	2.27E-12	1.79E-12	0	0	0	0	2.438E-12	1.0513E-06	1.31428E-07	7.6947E-13	0	3.84067E-13	0
99	571590.6	4177999	0.55, 41779	0.32897	0.28857	0.34209	117.12124	19.87515	150.29933	14.64016	6.7762	18.78742	2.53E-09	1.11E-06	1.39E-07	7.79E-13	2.35E-12	1.86E-12	0	0	0	0	2.525E-12	1.1094E-06	1.38693E-07	7.9707E-13	0	3.97843E-13	0
100	570310.6	4178039	0.55, 41780	0.09395	0.07118	0.09114	60.38117	27.45867	68.75884	7.54765	4.57644	8.59485	6.73E-10	5.08E-07	6.35E-08	2.08E-13	6.27E-13	4.95E-13	0	0	0	0	6.728E-13	5.0755E-07	6.34509E-08	2.12353E-13	0	1.05992E-13	0
101	570350.6	4178039	0.55, 41780	0.10181	0.07823	0.09867	67.40685	28.30867	69.9761	8.42586	4.71811	8.74701	7.28E-10	5.17E-07	6.46E-08	2.25E-13	6.79E-13	5.36E-13	0	0	0	0	7.284E-13	5.1653E-07	6.45757E-08	2.29899E-13	0	1.1475E-13	0
102	570390.6	4178039	0.55, 41780	0.11033	0.08626	0.10708	70.86935	29.39362	77.00767	8.85867	4.86131	9.62596	7.9E-10	5.68E-07	7.11E-08	2.44E-13	7.37E-13	5.82E-13	0	0	0	0	7.905E-13	5.6843E-07	7.10638E-08	2.49495E-13	0	1.24531E-13	0
103	570430.6	4178039	0.55, 41780	0.11935	0.09539	0.11615	72.77771	30.53752	78.92837	9.09721	4.99157	9.86605	8.57E-10	5.83E-07	7.28E-08	2.65E-13	7.99E-13	6.31E-13	0	0	0	0	8.575E-13	5.8261E-07	7.28363E-08	2.70629E-13	0	1.35079E-13	0
104	570470.6	4178039	0.55, 41780	0.12876	0.10583	0.1256	77.88414	31.78332	83.40463	9.73552	5.12346	10.42558	9.27E-10	6.16E-07	7.7E-08	2.86E-13	8.64E-13	6.82E-13	0	0	0	0	9.272E-13	6.1565E-07	7.69673E-08	2.92649E-13	0	1.4607E-13	0
105	570510.6	4178039	0.55, 41780	0.13797	0.11733	0.13491	81.61557	33.05226	90.60057	10.20195	5.27698	11.32507	9.96E-10	6.69E-07	8.36E-08	3.07E-13	9.28E-13	7.33E-13	0	0	0	0	9.96E-13	6.6877E-07	8.3607E-08	3.14343E-13	0	1.56899E-13	0
106	570550.6	4178039	0.55, 41780	0.14677	0.12979	0.14418	83.22783	34.40977	92.92473	10.40348	5.64664	11.61559	1.06E-09	6.86E-07	8.58E-08	3.28E-13	9.92E-13	7.83E-13	0	0	0	0	1.064E-12	6.8592E-07	8.57517E-08	3.35945E-13	0	1.67681E-13	0
107	570590.6	4178039	0.55, 41780	0.15543	0.14397	0.15331	100.7883	35.81672	104.85134	12.59854	6.05306	13.10642	1.13E-09	7.74E-07	9.68E-08	3.49E-13	1.05E-12	8.33E-13	0	0	0	0	1.132E-12	7.7396E-07	9.67594E-08	3.57221E-13	0	1.78301E-13	0
108	570630.6	4178039	0.55, 41780	0.16446	0.15887	0.16086	114.63184	37.47906	118.86748	14.32898	6.85921	14.85844	1.19E-09	8.77E-07	1.1E-07	3.66E-13	1.11E-12	8.74E-13	0	0	0	0	1.188E-12	8.7741E-07	1.09694E-07	3.74818E-13	0	1.87084E-13	0
109	570670.6	4178039	0.55, 41780	0.17604	0.17458	0.16859	120.19022	39.09251	122.97013	15.02378	7.81169	15.37127	1.24E-09	9.08E-07	1.13E-07	3.84E-13	1.16E-12	9.16E-13	0	0	0	0	1.245E-12	9.077E-07	1.1348E-07	3.92834E-13	0	1.96076E-13	0
110	570710.6	4178039	0.55, 41780	0.19156	0.191	0.18153	122.05191	40.81454	130.55962	15.86896	8.63568	17.88475	1.34E-09	9.64E-07	1.32E-07	4.14E-13	1.25E-12	9.86E-13	0	0	0	0	1.34E-12	9.6371E-07	1.32033E-07	4.22988E-13	0	2.11127E-13	0
111	570750.6	4178039	0.55, 41780	0.2105	0.20761	0.19902	132.53323	47.68084	144.79481	16.56665	9.43658	19.64627	1.47E-09	1.07E-06	1.45E-07	4.53E-13	1.37E-12	1.08E-12	0	0	0	0	1.469E-12	1.0688E-06	1.45036E-07	4.63741E-13	0	2.31468E-13	0
112	570790.6	4178039	0.55, 41780	0.23169	0.22417	0.21523	139.552	52.7884	147.64201	17.444	10.33029	19.40572	1.59E-09	1.09E-06	1.43E-07	4.9E-13	1.48E-12	1.17E-12	0	0	0	0	1.589E-12	1.0898E-06	1.43262E-07	5.01512E-13	0	2.50321E-13	0
113	570830.6	4178039	0.55, 41780	0.25382	0.24067	0.23208	145.24751	55.81087	161.73262	18.15594	11.28689	20.21658	1.71E-09	1.19E-06	1.49E-07	5.29E-13	1.6E-12	1.26E-12	0	0	0	0	1.713E-12	1.1938E-06	1.49248E-07	5.40774E-13	0	2.69918E-13	0
114	570870.6	4178039	0.55, 41780	0.27385	0.25672	0.25028	159.27674	59.06353	181.66903	19.90959	12.04587	22.70863	1.85E-09	1.34E-06	1.68E-07	5.7E-13	1.72E-12	1.36E-12	0	0	0	0	1.848E-12	1.341E-06	1.67645E-07	5.83181E-13	0	2.91084E-13	0
115	570910.6	4178039	0.55, 41780	0.28498	0.272	0.26185	154.31681	63.03506	190.144	19.2896	11.80173	23.768	1.93E-09	1.4E-06	1.75E-07	5.97E-13	1.8E-12	1.42E-12	0	0	0	0	1.933E-12	1.4035E-06	1.75462E-07	6.10142E-13	0	3.04542E-13	0
116	570950.6	4178039	0.55, 41780	0.28313	0.28254	0.2606	178.15221	69.82475	214.80591	22.26903	10.41815	26.85074	1.92E-09	1.59E-06	1.98E-07	5.94E-13	1.79E-12	1.42E-12	0	0	0	0	1.924E-12	1.5856E-06	1.98221E-07	6.07236E-13	0	3.03091E-13	0
117	570990.6	4178039	0.55, 41780	0.27042	0.28832	0.24711	188.87787	74.10995	223.28286	29.14051	12.35166	34.29706	1.82E-09	1.65E-06	2.53E-07	5.63E-13	1.7E-12	1.34E-12	0	0	0	0	1.824E-12	1.6481E-06	2.53194E-07	5.75815E-13	0	2.87407E-13	0
118	571030.6	4178039	0.55, 41780	0.25749	0.29249	0.23391	188.96663	83.29257	277.8919	26.99523	13.88209	39.69884	1.73E-09	2.05E-06	2.93E-07	5.33E-13	1.61E-12	1.27E-12	0	0	0	0	1.727E-12	2.0512E-06	2.93058E-07	5.45067E-13	0	2.72061E-13	0
119	571070.6	4178039	0.55, 41780	0.25163	0.29646	0.21613	192.59035	92.57991	271.23553	26.01862	14.40126	34.27332	1.6E-09	2E-06	2.53E-07	4.92E-13	1.49E-12	1.17E-12	0	0	0	0	1.596E-12	2.0021E-06	2.53012E-07	5.03652E-13	0	2.51389E-13	0
120	571110.6	4178039	0.55, 41780	0.23996	0.28057	0.20816	179.79911	89.13384	295.00102	29.33997	15.522	36.88643	1.54E-09	2.18E-06	2.72E-07	4.74E-13	1.43E-12	1.13E-12	0	0	0	0	1.537E-12	2.1775E-06	2.72305E-07	4.85076E-13	0	2.42117E-13	0
121	571150.6	4178039	0.55, 41780	0.25767	0.30302	0.23363	202.30498	100.11261	284.90591	28.90071	16.95197	47.48432	1.72E-09	2.1E-06	3.51E-07	5.32E-13	1.61E-12	1.27E-12	0	0	0	0	1.725E-12	2.103E-06	3.50524E-07	5.44421E-13	0	2.71738E-13	0
122	571190.6	4178039	0.55, 41780	0.27122	0.30641	0.22867	194.68377	101.89225	297.80862	27.81197	16.7188	37.22608	1.69E-09	2.2E-06	2.75E-07	5.21E-13	1.57E-12	1.24E-12	0	0	0	0	1.688E-12	2.1982E-06	2.74809E-07	5.3287E-13	0	2.65972E-13	0
123	571230.6	4178039	0.55, 41780	0.28804	0.31092	0.2326	196.84209	99.06119	294.63263	24.60526	16.26482	42.09038	1.72E-09	2.17E-06	3.11E-07	5.3E-13	1.6E-12	1.26E-12	0	0	0	0	1.717E-12	2.1748E-06	3.10704E-07	5.42028E-13	0	2.70544E-13	0
124	571270.6	4178039	0.55, 41780	0.31661	0.32283	0.24843	191.8709	85.51951	280.99547	23.98386	14.63938	35.12443	1.83E-09	2.07E-06	2.59E-07	5.66E-13	1.71E-12	1.35E-12	0	0	0	0	1.834E-12	2.0741E-06	2.5929E-07	5.78912E-13	0	2.88954E-13	0
125	571310.6	4178039	0.55, 41780	0.35598	0.34149	0.26147	189.38373	68.10225	290.04443	23.67297	13.72977	36.25555	1.93E-09	2.14E-06	2.68E-07	5.96E-13	1.8E-12	1.42E-12	0	0	0	0	1.931E-12	2.1409E-06	2.67637E-07	6.09302E-13	0	3.04122E-13	0
126	571350.6	4178039	0.55, 41780	0.39399	0.35989	0.2835	182.95784	62.01914	299.45287	22.86973	11.81322	37.43161	2.09E-09	2.21E-06	2.76E-07	6.46E-13	1.95E-12	1.54E-12	0	0	0	0	2.093E-12	2.2103E-06	2.76316E-07	6.60633E-13	0	3.29743E-13	0
127	571390.6	4178039	0.55, 41780	0.4222	0.3733	0.32107	164.47464	56.17724	258.72398	20.55933	10.13431	32.3405	2.37E-09	1.91E-06	2.39E-07	7.31E-13	2.21E-12	1.74E-12	0	0	0	0	2.37E-12	1.9097E-06	2.38736E-07	7.4816E-13	0	3.7343E-13	0
128	571430.6	4178039	0.55, 41780	0.44026	0.38105	0.3744	146.31006	45.8458	221.86738	18.28876	9.60517	27.73342	2.76E-09	1.64E-06	2.05E-07	8.53E-13	2.58E-12	2.03E-12	0	0	0	0	2.764E-12	1.6376E-06	2.04728E-07	8.72395E-13	0	4.3544E-13	0
129	571470.6	4178039	0.55, 41780	0.44344	0.3799	0.42037	134.05635	35.96521	154.66668	16.75704	8.42199	19.33334	3.1E-09	1.14E-06	1.43E-07	9.58E-13	2.89E-12	2.28E-12	0	0	0	0	3.103E-12	1.1416E-06	1.42727E-07	9.7948E-13	0	4.8889E-13	0
130	571510.6	4178039	0.55, 41780	0.43369	0.37075	0.44522	135.2804	26.4112	176.84451	16.91005	8.14543	22.10556	3.29E-09	1.31E-06	1.63E-07	1.01E-12	3.06E-12	2.42E-12	0	0	0	0	3.287E-12	1.3053E-06	1.63188E-07	1.03736E-12	0	5.1778E-13	0
131	571550.6	4178039	0.55, 41780	0.4157	0.35641	0.44493	128.00174	25.24959	172.96462	16.00022	7.84928	21.62058	3.28E-09	1.28E-06	1.6E-07	1.01E-12	3.06E-12	2.42E-12	0	0	0	0	3.285E-12	1.2767E-06	1.59606E-07	1.03668E-12	0	5.17438E-13	0
132	571590.6	4178039	0.55, 41780	0.38889	0.33646	0.4222	114.21376	28.264	151.26331	14.27672	7.21894	18.90791	3.12E-09	1.12E-06	1.4E-07	9.62E-13	2.9E-12	2.29E-12	0	0	0	0	3.117E-12	1.1165E-06	1.39582E-07	9.83714E-13	0	4.91003E-13	0
133	570310.6	4178079	0.55, 41780	0.09792	0.07296	0.09477	71.40728	28.01469	77.09789	8.92591	4.66912	9.63724	7E-10	5.69E-07	7.11E-08	2.16E-13	6.52E-13	5.15E-13	0	0	0	0	6.996E-13	5.691E-07	7.11472E-08	2.20811E-13	0	1.10214E-13	0
134	570350.6	4178079	0.55, 41780	0.1067	0.08065	0.10312	70.03301	29.10671	80.22931	8.75413	4.85112	10.02866	7.61E-10	5.92E-07	7.4E-08	2.35E-13	7.09E-13	5.6E-13	0	0	0	0	7.613E-13	5.9221E-07	7.40358E-08	2.40267E-13	0	1.19925E-13	0
135	570390.6	4178079	0.55, 41780	0.11641	0.08948	0.11242	73.93226	30.15719	77.81828	9.24153	5.0262	9.72728	8.3E-10	5.74E-07	7.18E-08	2.56E-13	7.73E-13	6.11E-13	0	0	0	0	8.299E-13	5.7442E-07	7.18124E-08	2.61936E-13	0	1.30741E-13	0
136	570430.6	4178079	0.55, 41780	0.12715	0.09969	0.12302	79.99098	31.34254	86.52141	9.99887	5.20891	10.81518	9.08E-10	6.39E-07	7.98E-08	2.8E-13	8.46E-13	6.68E-13	0	0	0	0	9.082E-13	6.3866E-07	7.98433E-08	2.86635E-13	0	1.43069E-13	0
137	570470.6	4178079	0.55, 41780	0.13857	0.11144	0.13449	81.53824	32.65768	88.86509	10.19228	5.39019	11.10814	9.93E-10	6.56E-07	8.2E-08	3.06E-13	9.25E-13	7.31E-13	0	0	0	0	9.929E-13	6.5596E-07	8.20059E-08	3.13361E-13	0	1.56409E-13	0
138	570510.6	4178079	0.55, 41780	0.15049	0.12507	0.14657	87.75299	34.11951	95.20757	10.96912	5.60116	11.90095	1.08E-09	7.03E-07	8.79E-08	3.34E-13	1.01E-12	7.96E-13	0	0	0	0	1.082E-12	7.0277E-07	8.7859E-08	3.4151E-13	0	1.70458E-13	0
139	570550.6	4178079	0.55, 41780	0.16198	0.14034	0.1583	91.64015	35.64897	104.22382	11.45502	5.99366	13.02798	1.17E-09	7.69E-07	9.62E-08	3.61E-13	1.09E-12	8.6E-13	0	0	0	0	1.169E-12	7.6932E-07	9.61782E-08	3.68844E-13	0	1.84102E-13	0
140	570590.6	4178079	0.55, 41780	0.17272	0.15744	0.16968	88.35639	37.38874	105.88084	11.57204	6.46071	13.23511	1.25E-09	7.82E-07	9.77E-08	3.87E-13	1.17E-12	9.22E-13	0	0	0	0	1.253E-12	7.8156E-07	9.77071E-08	3.95363E-13	0	1.97339E-13	0
141	570630.6	4178079	0.55, 41780	0.1831	0.1763	0.17984	101.08083	39.23196	114.54818	12.6351	7.02353	14.31852	1.33E-09	8.46E-07	1.06E-07	4.1E-13	1.24E-12	9.77E-13	0	0	0	0	1.328E-12	8.4553E-07	1.05706E-07	4.19042E-13	0	2.09157E-13	0
142	570670.6	4178079	0.55, 41780	0.19537	0.19687	0.18849	125.63761	41.20021	131.91916	15.7047	8.22231	16.4899	1.39E-09	9.74E-07	1.22E-07	4.29E-13	1.3E-12	1.02E-12	0	0	0	0	1.392E-12	9.7375E-07	1.21738E-07	4.39205E-13	0	2.19221E-13	0
143	570710.6	4178079	0.55, 41780	0.21241	0.21933	0.20096	144.38379	43.29239	151.59141	18.04797	9.29195	18.94893	1.48E-09	1.12E-06	1.4E-07	4.58E-13	1.38E-12	1.09E-12	0	0	0	0	1.484E-12	1.119E-06	1.39892E-07	4.68267E-13	0	2.33727E-13	0
144	570750.6	4178079	0.55, 41780	0.23537	0.24332	0.2221	149.96792	48.92505	154.1756	18.74599	10.23	23.04389	1.64E-09	1.14E-06	1.7E-07	5.06E-13	1.53E-12	1.21E-12	0	0	0	0	1.64E-12	1.138E-06	1.70117E-07	5.17527E-13	0	2.58314E-13	0
145	570790.6	4178079	0.55, 41780	0.26445	0.26867	0.24585	159.48841	56.15329	178.05216	19.93605	11.24377	22.79466	1.82E-09	1.31E-06	1.68E-07	5.6E-13	1.69E-12	1.34E-12	0	0	0	0	1.815E-12	1.3143E-06	1.6828E-07	5.72868E-13	0	2.85937E-13	0
146	570830.6	4178079	0.55, 41780	0.30001	0.29551	0.27029	164.85959	59.75168	177.78875	20.60745	12.43332	22.22359	2E-09	1.31E-06	1.64E-07	6.16E-13	1.86E-12	1.47E-12	0	0	0	0	1.996E-12	1.3123E-06	1.64066E-07	6.29817E-13	0	3.14362E-13	0
147	570870.6	4178079	0.55, 41780	0.34051	0.32416	0.30185	178.96906	63.85658	203.22306	22.37113	13.91568	25.40288	2.23E-09	1.5E-06	1.88E-07	6.88E-13	2.08E-12	1.64E-12	0	0	0	0	2.229E-12	1.5001E-06	1.87535E-07	7.03354E-13	0	3.51066E-13	0
148	570910.6	4178079	0.55, 41780	0.37529	0.35313	0.33459	192.82824	68.49057	229.7632	24.10353	15.26079	28.7204	2.47E-09	1.7E-06	2.12E-07	7.62E-13	2.3E-12	1.82E-12	0	0	0	0	2.47E-12	1.696E-06	2.12024E-07	7.79639E-13	0	3.89143E-13	0
149	570950.6	4178079	0.55, 41780	0.39192	0.37725	0.35493	199.56835	75.56845	241.42387	26.9715	14.65967	30.17798	2.62E-09	1.78E-06	2.23E-07	8.09E-13	2.44E-12	1.93E-12	0	0	0	0	2.62E-12	1.782E-06	2.22788E-07	8.27035E-13	0	4.128E-13	0
150	570990.6	4178079	0.55, 41780	0.38624	0.39167	0.34038	209.52387	83.72546	270.89556	31.32288	13.79848	33.86195	2.51E-09	2E-06	2.5E-07	7.75E-13	2.34E-12	1.85E-12	0	0	0	0	2.513E-12	1.9996E-06	2.49987E-07	7.9315E-13	0	3.95886E-13	0
151	571030.6	4178079	0.55, 41780	0.36706	0.40059	0.31708	238.62537	94.19927	346.28961	34.73297	15.69988	52.33117	2.34E-09	2.56E-06	3.86E-07	7.22E-13	2.18E-12	1.72E-12	0	0	0	0	2.341E-12	2.5561E-06	3.86308E-07	7.38877E-13	0	3.68797E-13	0
152	571070.6	4178079	0.55, 41780	0.35702	0.41066	0.29659	228.92087	105.90077	368.47625	31.45005	16.61116	46.05953	2.19E-09	2.72E-06	3.4E-07	6.76E-13	2.04E-12	1.61E-12	0	0	0	0	2.19E-12	2.7198E-06	3.40013E-07	6.91152E-13	0	3.44976E-13	0
153	571110.6	4178079	0.55, 41780	0.35812	0.41418	0.29542	212.64364	104.08221	374.64105	34.6648	20.98986	46.90606	2.18E-09	2.77E-06	3.46E-07	6.73E-13	2.03E-12	1.61E-12	0	0	0	0	2.181E-12	2.7653E-06	3.46267E-07	6.88429E-13	0	3.43617E-13	0
154	571150.6	4178079	0.55, 41780	0.37758	0.42317	0.31748	239.48451	117.47672	371.65504	34.21207	20.38272	60.67868	2.34E-09	2.74E-06	4.48E-07	7.23E-13	2.18E-12	1.73E-12	0	0	0	0	2.344E-12	2.7433E-06	4.47917E-07	7.39823E-13	0	3.69269E-13	0
155	571190.6	4178079	0.55, 41780	0.41277	0.43447	0.31013	228.77572	115.09155	359.73847	28.66724	20.67403	44.96731	2.29E-09	2.66E-06	3.32E-07	7.07E-13	2.13E-12	1.69E-12	0	0	0	0	2.29E-12	2.6554E-06	3.31946E-07	7.2271E-13	0	3.60728E-13	0
156	571230.6	4178079	0.55, 41780	0.46673	0.45732	0.33128	219.54291	100.98995	305.404	27.44286	18.56894	43.62914	2.45E-09	2.25E-06	3.22E-07	7.55E-13	2.28E-12	1.8E-12	0	0	0	0	2.446E-12	2.2543E-06	3.22067E-07	7.71995E-13	0	3.85327E-13	0
157	571270.6	4178079	0.55, 41780	0.53318	0.48578	0.3586	215.1929	81.06645	332.5769	26.89911	17.27973	41.57211	2.65E-09	2.45E-06	3.07E-07	8.17E-13	2.47E-12	1.95E-12	0	0	0	0	2.648E-12	2.4548E-06	3.06884E-07	8.35656E-13	0	4.17103E-13	0
158	571310.6	4178079	0.55, 41780	0.58671	0.50689	0.39805	205.97464	69.75551	363.05687	25.74683	14.70822	45.38211	2.94E-09	2.68E-06	3.35E-07	9.07E-13	2.74E-12	2.16E-12	0	0	0	0	2.939E-12	2.6798E-06	3.35002E-07	9.27568E-13	0	4.62979E-13	0
159	571350.6	4178079	0.55, 41780	0.61439	0.51569	0.46686	184.46358	62.8789	316.33591	23.05795	12.5762	39.54199	3.45E-09	2.33E-06	2.92E-07	1.06E-12	3.21E-12	2.54E-12	0	0	0	0	3.447E-12	2.3349E-06	2.91892E-07	1.08787E-12	0	5.42988E-13	0
160	571390.6	4178079	0.55, 41780	0.61879	0.51229	0.54521	162.6235	50.78632	251.98298	20.32794	11.67282	31.49787	4.03E-09	1.86E-06	2.33E-07	1.24E-12	3.75E-12	2.96E-12	0	0	0	0	4.025E-12	1.8599E-06	2.32516E-07	1.27038E-12	0	6.34085E-13	0
161	571430.6	4178079	0.55, 41780	0.60477	0.49855	0.60294	157.24404	39.05995	207.2573	19.65551	9.99401	25.90716	4.45E-09	1.53E-06	1.91E-07	1.37E-12	4.15E-12	3.28E-12	0	0	0	0	4.451E-12	1.5298E-06	1.91251E-07	1.40485E-12	0	7.01204E-13	0
162	571470.6	4178079	0.55, 41780	0.57311	0.47467	0.61341	152.07991	30.59352	215.52596	19.00999	9.68796	26.94074	4.53E-09	1.59E-06	1.99E-07	1.4E-12	4.22E-12	3.33E-12	0	0	0	0	4.528E-12	1.5908E-06	1.98879E-07	1.42922E-12	0	7.1337E-13	0
163	571510.6	4178079	0.55, 41780	0.53465	0.44658	0.58613	137.55383	33.88214	191.36045	17.19423	8.95455	23.92006	4.33E-09	1.41E-06	1.77E-07	1.34E-12	4.03E-12	3.18E-12	0	0	0	0	4.327E-12	1.4125E-06	1.7658E-07	1.36565E-12	0	6.81642E-13	0
164	571550.6	4178079	0.55, 41780	0.48548	0.41212	0.53241	120.13532	36.07438	157.49519	15.01691	7.90342	19.6869	3.93E-09	1.16E-06	1.45E-07	1.21E-12	3.66E-12	2.89E-12	0	0	0	0	3.93E-12	1.1625E-06	1.45333E-07	1.24049E-12	0	6.1917E-13	0
165	571590.6	4178079	0.55, 41780	0.43445	0.37558	0.47142	108.95419	37.19094	141.55637	13.61927	6.74143	17.69455	3.48E-09	1.04E-06	1.31E-07	1.07E-12	3.24E-12	2.56E-12	0	0	0	0	3.48E-12	1.0449E-06	1.30625E-07	1.0984E-12	0	5.48244E-13	0
166	570310.6	4178119	0.55, 41781	0.10149	0.07442	0.09774	69.0748	28.05035	78.28908	8.63435	4.67506	9.78613	7.22E-10	5.78E-07	7.22E-08	2.23E-13	6.72E-13	5.31E-13	0	0	0	0	7.215E-13	5.7789E-07	7.22455E-08	2.2773E-13	0	1.13667E-13	0
167	570350.6	4178119	0.55, 41781	0.11138	0.08273	0.10725	79.07973	29.62524	82.98136	9.88497	4.93754	10.37267	7.92E-10	6.13E-07	7.66E-08	2.44E-13	7.38E-13	5.83E-13	0	0	0	0	7.917E-13	6.1253E-07	7.65771E-08	2.49889E-13	0	1.24727E-13	0
168	570390.6	4178119	0.55, 41781	0.12249	0.09237	0.11775	81.81771	30.97041	92.38822	10.22721	5.16174	11.54853	8.69E-10	6.82E-07	8.53E-08	2.68E-13	8.1E-13	6.4E-13	0	0	0	0	8.693E-13	6.8196E-07	8.52564E-08	2.74354E-13	0	1.36939E-13	0
169	570430.6	4178119	0.55, 41781	0.13492	0.10362	0.12964	81.48606	32.23138	89.13007	10.18576	5.3719	11.14126	9.57E-10	6.58E-07	8.23E-08	2.95E-13	8.92E-13	7.04E-13	0	0	0	0	9.57E-13	6.5791E-07	8.22504E-08	3.02059E-13	0	1.50767E-13	0
170	570470.6	4178119	0.55, 41781	0.14882	0.11683	0.14311	90.82614	33.6686	97.62505	11.35327	5.5932	12.20313	1.06E-09	7.21E-07	9.01E-08	3.26E-13	9.84E-13	7.78E-13	0	0	0	0	1.056E-12	7.2062E-07	9.009E-08	3.33445E-13	0	1.66433E-13	0
171	570510.6	4178119	0.55, 41781	0.16361	0.13228	0.15796	92.34034	35.20886	102.68913	11.54254	5.82093	12.83614	1.17E-09	7.58E-07	9.48E-08	3.6E-13	1.09E-12	8.58E-13	0	0	0	0	1.166E-12	7.58E-07	9.47624E-08	3.68047E-13	0	1.83704E-13	0
172	570550.6	4178119	0.55, 41781	0.17911	0.1505	0.17388	100.11195	36.92243	110.21215	12.51399	6.33987	13.77652	1.28E-09	8.14E-07	1.02E-07	3.96E-13	1.2E-12	9.45E-13	0	0	0	0	1.284E-12	8.1352E-07	1.01705E-07	4.05144E-13	0	2.0222E-13	0
173	570590.6	4178119	0.55, 41781	0.19374	0.17125	0.18923	103.74737	38.76233	121.67682	12.96842	6.89651	15.2096	1.4E-09	8.98E-07	1.12E-07	4.31E-13	1.3E-12	1.03E-12	0	0	0	0	1.397E-12	8.9815E-07	1.12283E-07	4.40914E-13	0	2.20074E-13	0
174	570630.6	4178119	0.55, 41781	0.2069	0.19483	0.20326	104.63966	41.01094	121.05227	13.84797	7.49161	15.13153	1.5E-09	8.94E-07	1.12E-07	4.63E-13	1.4E-12	1.1E-12	0	0	0	0	1.501E-12	8.9354E-07	1.11709E-07	4.7361E-13	0	2.36394E-13	0
175	570670.6	4178119	0.55, 41781	0.21998	0.22122	0.21442	115.58367	43.51142	138.36153	15.0671	8.60459	17.29519	1.58E-09	1.02E-06	1.28E-07	4.88E-13	1.47E-12	1.17E-12	0	0	0	0	1.583E-12	1.0213E-06	1.2768E-07	4.99623E-13	0	2.49378E-13	0
176	570710.6	4178119	0.55, 41781	0.23703	0.25104	0.22497	127.12041	45.98226	134.54184	16.41254	9.96819	16.81773	1.66E-09	9.93E-07	1.24E-07	5.13E-13	1.55E-12	1.22E-12	0	0	0	0	1.661E-12	9.9312E-07	1.24159E-07	5.24217E-13	0	2.61653E-13	0
177	570750.6	4178119	0.55, 41781	0.26187	0.28441	0.24496	163.41699	49.64069	173.69321	20.42712	11.18287	24.67477	1.81E-09	1.28E-06	1.82E-07	5.58E-13	1.69E-12	1.33E-12	0	0	0	0	1.809E-12	1.2821E-06	1.82157E-07	5.70803E-13	0	2.84906E-13	0
178	570790.6	4178119	0.55, 41781	0.29707	0.32177	0.27572	189.30326	59.79186	203.13563	23.66291	12.3939	25.39195	2.04E-09	1.5E-06	1.87E-07	6.28E-13	1.9E-12	1.5E-12	0	0	0	0	2.036E-12	1.4994E-06	1.87457E-07	6.42481E-13	0	3.20683E-13	0
179	570830.6	4178119	0.55, 41781	0.34574	0.3643	0.31009	193.11502	64.55328	210.79637	24.13938	13.76558	26.34955	2.29E-09	1.56E-06	1.95E-07	7.06E-13	2.13E-12	1.68E-12	0	0	0	0	2.289E-12	1.556E-06	1.94526E-07	7.22572E-13	0	3.60659E-13	0
180	570870.6	4178119	0.55, 41781	0.41228	0.41342	0.35667	202.8381	69.60981	241.64288	25.35476	15.49628	31.6123	2.63E-09	1.78E-06	2.33E-07	8.13E-13	2.45E-12	1.94E-12	0	0	0	0	2.633E-12	1.7836E-06	2.33371E-07	8.31111E-13	0	4.14834E-13	0
181	570910.6	4178119	0.55, 41781	0.49003	0.46844	0.41739	224.50761	75.3478	268.49725	28.06345	17.99511	33.56216	3.08E-09	1.98E-06	2.48E-07	9.51E-13	2.87E-12	2.27E-12	0	0	0	0	3.082E-12	1.9819E-06	2.47767E-07	9.72592E-13	0	4.85452E-13	0
182	570950.6	4178119	0.55, 41781	0.55455	0.52056	0.48015	237.44511	82.6149	307.44591	31.19836	20.61697	38.43074	3.54E-09	2.27E-06	2.84E-07	1.09E-12	3.3E-12	2.61E-12	0	0	0	0	3.545E-12	2.2693E-06	2.83707E-07	1.11882E-12	0	5.5844E-13	0
183	570990.6	4178119	0.55, 41781	0.59019	0.56679	0.49805	260.70129	98.30209	347.94815	39.14578	18.7176	43.49352	3.68E-09	2.57E-06	3.21E-07	1.13E-12	3.43E-12	2.71E-12	0	0	0	0	3.677E-12	2.5683E-06	3.2109E-07	1.16055E-12	0	5.79267E-13	0
184	571030.6	4178119	0.55, 41781	0.58003	0.59593	0.46436	288.08817	110.38847	394.82286	43.41155	19.84321	60.28631	3.43E-09	2.91E-06	4.45E-07	1.06E-12	3.19E-12	2.52E-12	0	0	0	0	3.428E-12	2.9143E-06	4.4504E-07	1.08209E-12	0	5.40103E-13	0
185	571070.6	4178119	0.55, 41781	0.56003	0.61401	0.43624	281.59163	124.26135	479.69295	39.26934	23.95732	65.06151	3.22E-09	3.54E-06	4.8E-07	9.94E-13	3E-12	2.37E-12	0	0	0	0	3.221E-12	3.5407E-06	4.80276E-07	1.01659E-12	0	5.07413E-13	0
186	571110.6	4178119	0.55, 41781	0.57497	0.62965	0.42923	279.23237	138.16088	507.21032	41.39356	27.39628	63.69191	3.17E-09	3.74E-06	4.7E-07	9.78E-13	2.95E-12	2.33E-12	0	0	0	0	3.169E-12	3.7439E-06	4.70171E-07	1.00027E-12	0	4.99267E-13	0
187	571150.6	4178119	0.55, 41781	0.64473	0.65929	0.45591	273.06399	137.55558	506.75735	37.77228	27.34359	77.75635	3.37E-09	3.74E-06	5.74E-07	1.04E-12	3.14E-12	2.48E-12	0	0	0	0	3.366E-12	3.7405E-06	5.73969E-07	1.06244E-12	0	5.30299E-13	0
188	571190.6	4178119	0.55, 41781	0.76806	0.70549	0.46182	260.36357	120.74038	479.78233	32.90288	24.49294	68.54033	3.41E-09	3.54E-06	5.06E-07	1.05E-12	3.18E-12	2.51E-12	0	0	0	0	3.41E-12	3.5414E-06	5.05939E-07	1.07624E-12	0	5.37188E-13	0
189	571230.6	4178119	0.55, 41781	0.88147	0.74364	0.51839	250.38438	100.21062	435.42985	31.29805	22.32262	54.42873	3.83E-09	3.21E-06	4.02E-07	1.18E-12	3.57E-12	2.82E-12	0	0	0	0	3.828E-12	3.214E-06	4.01783E-07	1.20805E-12	0	6.02976E-13	0
190	571270.6	4178119	0.55, 41781	0.94057	0.75526	0.59724	235.31349	80.57107	462.41399	29.41419	18.81416	57.80175	4.41E-09	3.41E-06	4.27E-07	1.36E-12	4.11E-12	3.25E-12	0	0	0	0	4.41E-12	3.4131E-06	4.26674E-07	1.39174E-12	0	6.94661E-13	0
191	571310.6	4178119	0.55, 41781	0.94266	0.74202	0.72716	211.76846	71.48368	401.12341	26.47106	15.9259	50.14043	5.37E-09	2.96E-06	3.7E-07	1.66E-12	5E-12	3.95E-12	0	0	0	0	5.368E-12	2.9607E-06	3.70123E-07	1.69437E-12	0	8.45716E-13	0
192	571350.6	4178119	0.55, 41781	0.90909	0.71255	0.85266	184.59351	57.17412	286.57244	23.07419	14.42847	35.82155	6.29E-09	2.12E-06	2.64E-07	1.94E-12	5.86E-12	4.63E-12	0	0	0	0	6.295E-12	2.1152E-06	2.64433E-07	1.9867E-12	0	9.91626E-13	0
193	571390.6	4178119	0.55, 41781	0.85308	0.67145	0.90336	182.88204	42.90716	275.98695	22.86025	12.27464	34.49837	6.67E-09	2.04E-06	2.55E-07	2.06E-12	6.21E-12	4.91E-12	0	0	0	0	6.669E-12	2.0371E-06	2.54667E-07	2.10478E-12	0	1.05056E-12	0
194	571430.6	4178119	0.55, 41781	0.78	0.62166	0.86624	169.0522	41.64549	252.50347	21.13153	11.39175	31.56293	6.39E-09	1.86E-06	2.33E-07	1.97E-12	5.96E-12	4.71E-12	0	0	0	0	6.395E-12	1.8637E-06	2.32998E-07	2.01827E-12	0	1.00739E-12	0
195	571470.6	4178119	0.55, 41781	0.69763	0.567	0.77646	144.82238	43.55007	199.26025	18.1028	10.0864	24.90753	5.73E-09	1.47E-06	1.84E-07	1.77E-12	5.34E-12	4.22E-12	0	0	0	0	5.732E-12	1.4708E-06	1.8387E-07	1.8091E-12	0	9.02979E-13	0
196	571510.6	4178119	0.55, 41781	0.61632	0.51188	0.67545	129.07456	44.20691	173.84445	16.93315	8.5721	21.73056	4.99E-09	1.28E-06	1.6E-07	1.54E-12	4.65E-12	3.67E-12	0	0	0	0	4.986E-12	1.2832E-06	1.6042E-07	1.57376E-12	0	7.85516E-13	0
197	571550.6	4178119	0.55, 41781	0.53701	0.45659	0.57828	116.13448	43.6354	149.52645	16.99831	7.6971	20.20244	4.27E-09	1.1E-06	1.49E-07	1.32E-12	3.98E-12	3.14E-12	0	0	0	0	4.269E-12	1.1037E-06	1.49142E-07	1.34737E-12	0	6.72517E-13	0
198	571590.6	4178119	0.55, 41781	0.46599	0.40463	0.49394	103.06511	42.01095	133.93422	16.60125	6.75955	20.50745	3.65E-09	9.89E-07	1.51E-07	1.13E-12	3.4E-12	2.68E-12	0	0	0	0	3.646E-12	9.8862E-07	1.51392E-07	1.15087E-12	0	5.74438E-13	0
199	570310.6	4178159	0.55, 41781	0.10452	0.07557	0.10002	83.14681	27.07322	89.45551	10.39335	4.47805	11.18194	7.38E-10	6.6E-07	8.26E-08	2.28E-13	6.88E-13	5.43E-13	0	0	0	0	7.384E-13	6.6031E-07	8.2551E-08	2.33042E-13	0	1.16319E-13	0
200	570350.6	4178159	0.55, 41781	0.1156	0.08446	0.11071	83.51332	29.37807	93.62995	10.43917	4.89635	11.70374	8.17E-10	6.91E-07	8.64E-08	2.52E-13	7.61E-13	6.02E-13	0	0	0	0	8.173E-13	6.9112E-07	8.64023E-08	2.5795E-13	0	1.28751E-13	0
201	570390.6	4178159	0.55, 41781	0.12828	0.09489	0.12282	85.72091	31.44775	90.10823	10.71511	5.24129	11.26353	9.07E-10	6.65E-07	8.32E-08	2.8E-13	8.45E-13	6.67E-13	0	0	0	0	9.067E-13	6.6513E-07	8.31539E-08	2.86166E-13	0	1.42835E-13	0
202	570430.6	4178159	0.55, 41781	0.14269	0.1072	0.13639	94.53138	33.159	104.73347	11.81642	5.5265	13.09168	1.01E-09	7.73E-07	9.66E-08	3.11E-13	9.38E-13	7.41E-13	0	0	0	0	1.007E-12	7.7308E-07	9.6649E-08	3.17785E-13	0	1.58617E-13	0
203	570470.6	4178159	0.55, 41781	0.15906	0.12183	0.15182	91.68652	34.69147	109.10852	11.46082	5.78191	13.63857	1.12E-09	8.05E-07	1.01E-07	3.46E-13	1.04E-12	8.25E-13	0	0	0	0	1.121E-12	8.0537E-07	1.00685E-07	3.53738E-13	0	1.76562E-13	0
204	570510.6	4178159	0.55, 41781	0.17738	0.13933	0.16931	103.8828	36.49731	110.76271	12.98535	6.04456	13.84534	1.25E-09	8.18E-07	1.02E-07	3.86E-13	1.16E-12	9.2E-13	0	0	0	0	1.25E-12	8.1759E-07	1.02214E-07	3.94491E-13	0	1.96903E-13	0
205	570550.6	4178159	0.55, 41781	0.19733	0.16029	0.18927	106.21161	38.46337	121.82569	13.27645	6.62676	15.22821	1.4E-09	8.99E-07	1.12E-07	4.31E-13	1.3E-12	1.03E-12	0	0	0	0	1.397E-12	8.9924E-07	1.12421E-07	4.41001E-13	0	2.20118E-13	0
206	570590.6	4178159	0.55, 41781	0.21794	0.18524	0.21062	115.65264	40.48441	129.80552	14.45658	7.37316	16.22569	1.55E-09	9.58E-07	1.2E-07	4.8E-13	1.45E-12	1.14E-12	0	0	0	0	1.555E-12	9.5815E-07	1.19785E-07	4.9075E-13	0	2.44949E-13	0
207	570630.6	4178159	0.55, 41781	0.23707	0.21436	0.23118	118.44365	42.79741	144.28442	14.80546	8.08317	18.03555	1.71E-09	1.07E-06	1.33E-07	5.27E-13	1.59E-12	1.26E-12	0	0	0	0	1.707E-12	1.065E-06	1.33144E-07	5.38662E-13	0	2.68863E-13	0
208	570670.6	4178159	0.55, 41781	0.25383	0.24795	0.24882	124.95922	45.84094	144.90734	15.6199	8.90031	18.11342	1.84E-09	1.07E-06	1.34E-07	5.67E-13	1.71E-12	1.35E-12	0	0	0	0	1.837E-12	1.0696E-06	1.3372E-07	5.79774E-13	0	2.89384E-13	0
209	570710.6	4178159	0.55, 41781	0.27135	0.28697	0.26135	131.25248	49.29697	162.49426	17.47805	10.6966	20.31178	1.93E-09	1.2E-06	1.5E-07	5.95E-13	1.8E-12	1.42E-12	0	0	0	0	1.93E-12	1.1994E-06	1.4995E-07	6.08985E-13	0	3.03964E-13	0
210	570750.6	4178159	0.55, 41781	0.29528	0.33222	0.27619	146.48828	52.90094	155.94977	21.86848	12.23914	22.93785	2.04E-09	1.15E-06	1.69E-07	6.29E-13	1.9E-12	1.5E-12	0	0	0	0	2.039E-12	1.1511E-06	1.69341E-07	6.43582E-13	0	3.21232E-13	0
211	570790.6	4178159	0.55, 41781	0.33253	0.38536	0.30655	168.4296	63.37031	207.44804	22.18934	13.75991	31.3643	2.26E-09	1.53E-06	2.32E-07	6.98E-13	2.11E-12	1.67E-12	0	0	0	0	2.263E-12	1.5313E-06	2.31534E-07	7.14337E-13	0	3.56548E-13	0
212	570830.6	4178159	0.55, 41781	0.39122	0.44987	0.34708	226.40986	70.88867	244.94075	28.30123	15.58224	30.61759	2.56E-09	1.81E-06	2.26E-07	7.91E-13	2.39E-12	1.89E-12	0	0	0	0	2.563E-12	1.808E-06	2.26035E-07	8.08791E-13	0	4.03693E-13	0
213	570870.6	4178159	0.55, 41781	0.48272	0.53035	0.408	262.06298	76.1106	293.39264	32.75787	17.58972	36.67408	3.01E-09	2.17E-06	2.71E-07	9.3E-13	2.81E-12	2.22E-12	0	0	0	0	3.012E-12	2.1656E-06	2.70745E-07	9.50753E-13	0	4.74551E-13	0
214	570910.6	4178159	0.55, 41781	0.61652	0.63133	0.50366	261.24493	84.17228	335.42472	32.65562	20.33398	41.92809	3.72E-09	2.48E-06	3.1E-07	1.15E-12	3.46E-12	2.74E-12	0	0	0	0	3.719E-12	2.4759E-06	3.09523E-07	1.17366E-12	0	5.85809E-13	0
215	570950.6	4178159	0.55, 41781	0.78722	0.75662	0.63069	286.12528	93.97029	373.71712	38.09436	25.30252	46.71464	4.66E-09	2.76E-06	3.45E-07	1.44E-12	4.34E-12	3.43E-12	0	0	0	0	4.656E-12	2.7585E-06	3.44862E-07	1.46965E-12	0	7.33549E-13	0
216	570990.6	4178159	0.55, 41781	0.95557	0.89576	0.74297	303.7283	113.02353	445.40224	49.39935	30.83627	55.67528	5.49E-09	3.29E-06	4.11E-07	1.69E-12	5.11E-12	4.04E-12	0	0	0	0	5.485E-12	3.2876E-06	4.1102E-07	1.73129E-12	0	8.64143E-13	0
217	571030.6	4178159	0.55, 41781	1.0701	1.00768	0.7637	365.27865	135.92516	512.48146	63.89384	29.33742	70.31034	5.64E-09	3.78E-06	5.19E-07	1.74E-12	5.25E-12	4.15E-12	0	0	0	0	5.639E-12	3.7828E-06	5.19065E-07	1.77965E-12	0	8.88281E-13	0
218	571070.6	4178159	0.55, 41781	1.06935	1.07923	0.71312	382.13438	155.20031	662.82772	54.74849	37.25068	94.68967	5.27E-09	4.89E-06	6.99E-07	1.62E-12	4.91E-12	3.88E-12	0	0	0	0	5.265E-12	4.8925E-06	6.98982E-07	1.66187E-12	0	8.29492E-13	0
219	571110.6	4178159	0.55, 41781	1.19831	1.16386	0.6846	373.85472	174.62021	736.75515	53.40782	39.37776	93.09067	5.06E-09	5.44E-06	6.87E-07	1.56E-12	4.71E-12	3.72E-12	0	0	0	0	5.055E-12	5.4381E-06	6.87178E-07	1.59549E-12	0	7.9636E-13	0
220	571150.6	4178159	0.55, 41781	1.53671	1.26322	0.72724	331.2731	149.81574	693.97089	50.26616	34.67292	96.78528	5.37E-09	5.12E-06	7.14E-07	1.66E-12	5E-12	3.95E-12	0	0	0	0	5.37E-12	5.1223E-06	7.1444E-07	1.6949E-12	0	8.45978E-13	0
221	571190.6	4178159	0.55, 41781	1.71324	1.27647	0.80447	303.51531	125.05743	565.89383	43.45807	29.97586	80.84198	5.94E-09	4.18E-06	5.97E-07	1.83E-12	5.53E-12	4.37E-12	0	0	0	0	5.94E-12	4.177E-06	5.96754E-07	1.87482E-12	0	9.35783E-13	0
222	571230.6	4178159	0.55, 41781	1.67997	1.21931	0.99011	277.00255	96.22407	622.39581	36.53844	24.95569	77.79948	7.31E-09	4.59E-06	5.74E-07	2.26E-12	6.81E-12	5.38E-12	0	0	0	0	7.31E-12	4.5939E-06	5.74285E-07	2.30723E-12	0	1.15161E-12	0
223	571270.6	4178159	0.55, 41781	1.56347	1.13234	1.265	251.98402	83.18585	536.39129	31.498	20.71301	67.04891	9.34E-09	3.96E-06	4.95E-07	2.88E-12	8.7E-12	6.87E-12	0	0	0	0	9.339E-12	3.9591E-06	4.94928E-07	2.94751E-12	0	1.4712E-12	0
224	571310.6	4178159	0.55, 41781	1.42012	1.03692	1.45126	223.09845	65.85457	360.16353	27.88731	18.21453	45.02044	1.07E-08	2.66E-06	3.32E-07	3.31E-12	9.98E-12	7.88E-12	0	0	0	0	1.071E-11	2.6584E-06	3.32337E-07	3.38133E-12	0	1.68773E-12	0
225	571350.6	4178159	0.55, 41781	1.26306	0.93714	1.42084	212.7442	53.05659	355.96566	26.59303	15.01468	44.49571	1.05E-08	2.63E-06	3.28E-07	3.24E-12	9.77E-12	7.72E-12	0	0	0	0	1.049E-11	2.6274E-06	3.28461E-07	3.3104E-12	0	1.65233E-12	0
226	571390.6	4178159	0.55, 41781	1.10199	0.83709	1.24864	185.92823	54.01949	274.01244	23.24103	13.29114	34.25155	9.22E-09	2.02E-06	2.53E-07	2.84E-12	8.59E-12	6.78E-12	0	0	0	0	9.218E-12	2.0225E-06	2.52846E-07	2.9092E-12	0	1.45208E-12	0
227	571430.6	4178159	0.55, 41781	0.9418	0.73869	1.04204	159.26436	53.60229	222.79179	21.61583	11.2268	27.84897	7.69E-09	1.64E-06	2.06E-07	2.37E-12	7.17E-12	5.66E-12	0	0	0	0	7.692E-12	1.6445E-06	2.05587E-07	2.42787E-12	0	1.21183E-12	0
228	571470.6	4178159	0.55, 41781	0.79447	0.64516	0.85663	139.92539	51.85557	187.30754	21.06215	9.90602	27.91527	6.32E-09	1.38E-06	2.06E-07	1.95E-12	5.89E-12	4.65E-12	0	0	0	0	6.324E-12	1.3826E-06	2.06075E-07	1.9959E-12	0	9.96219E-13	0
229	571510.6	4178159	0.55, 41781	0.67282	0.56206	0.7111	120.25585	49.92459	159.61818	19.96311	8.50885	26.60303	5.25E-09	1.18E-06	1.96E-07	1.62E-12	4.89E-12	3.86E-12	0	0	0	0	5.25E-12	1.1782E-06	1.96388E-07	1.65684E-12	0	8.26982E-13	0
230	571550.6	4178159	0.55, 41781	0.57423	0.48972	0.59807	110.64777	47.57404	144.95635	18.4413	7.31081	24.15939	4.42E-09	1.07E-06	1.78E-07	1.36E-12	4.11E-12	3.25E-12	0	0	0	0	4.415E-12	1.07E-06	1.78349E-07	1.3935E-12	0	6.95538E-13	0
231	571590.6	4178159	0.55, 41781	0.49292	0.42713	0.50772	100.4908	44.5532	128.72625	16.74847	6.44552	21.45437	3.75E-09	9.5E-07	1.58E-07	1.16E-12	3.49E-12	2.76E-12	0	0	0	0	3.748E-12	9.5018E-07	1.58381E-07	1.18299E-12	0	5.90467E-13	0
232	570310.6	4178199	0.55, 41781	0.10691	0.07648	0.10208	81.28791	24.55019	79.664	10.16099	3.94128	9.958	7.54E-10	5.88E-07	7.35E-08	2.33E-13	7.02E-13	5.55E-13	0	0	0	0	7.536E-13	5.8803E-07	7.35171E-08	2.37842E-13	0	1.18714E-13	0
233	570350.6	4178199	0.55, 41781	0.11881	0.08587	0.11329	92.41038	27.80697	96.15133	11.5513	4.55912	12.01892	8.36E-10	7.1E-07	8.87E-08	2.58E-13	7.79E-13	6.16E-13	0	0	0	0	8.363E-13	7.0973E-07	8.87308E-08	2.63961E-13	0	1.31751E-13	0
234	570390.6	4178199	0.55, 41781	0.13286	0.09703	0.12666	98.9418	30.67703	108.4605	12.36772	5.11284	13.55756	9.35E-10	8.01E-07	1E-07	2.89E-13	8.71E-13	6.88E-13	0	0	0	0	9.35E-13	8.0059E-07	1.00089E-07	2.95113E-13	0	1.473E-13	0
235	570430.6	4178199	0.55, 41781	0.14935	0.11037	0.14231	98.24021	33.47488	112.67373	12.28003	5.57915	14.08422	1.05E-09	8.32E-07	1.04E-07	3.24E-13	9.79E-13	7.73E-13	0	0	0	0	1.051E-12	8.3169E-07	1.03976E-07	3.31578E-13	0	1.65501E-13	0
236	570470.6	4178199	0.55, 41781	0.1686	0.12646	0.16043	107.25905	35.76824	115.05444	13.40738	5.96137	14.38181	1.18E-09	8.49E-07	1.06E-07	3.65E-13	1.1E-12	8.72E-13	0	0	0	0	1.184E-12	8.4926E-07	1.06174E-07	3.73798E-13	0	1.86574E-13	0
237	570510.6	4178199	0.55, 41781	0.19081	0.14598	0.18108	111.923	37.71142	131.96286	13.99038	6.28524	16.49536	1.34E-09	9.74E-07	1.22E-07	4.13E-13	1.25E-12	9.84E-13	0	0	0	0	1.337E-12	9.7406E-07	1.21775E-07	4.21914E-13	0	2.10591E-13	0
238	570550.6	4178199	0.55, 41781	0.21602	0.16987	0.20494	119.57772	40.00549	129.21029	14.94721	6.67621	16.15129	1.51E-09	9.54E-07	1.19E-07	4.67E-13	1.41E-12	1.11E-12	0	0	0	0	1.513E-12	9.5375E-07	1.19237E-07	4.7751E-13	0	2.3834E-13	0
239	570590.6	4178199	0.55, 41781	0.24388	0.19917	0.2325	124.08345	42.52786	147.10165	15.51043	7.78928	18.38771	1.72E-09	1.09E-06	1.36E-07	5.3E-13	1.6E-12	1.26E-12	0	0	0	0	1.716E-12	1.0858E-06	1.35745E-07	5.41728E-13	0	2.70394E-13	0
240	570630.6	4178199	0.55, 41781	0.27242	0.23473	0.26214	135.79301	45.13025	156.31523	16.97413	8.73982	19.5394	1.94E-09	1.15E-06	1.44E-07	5.97E-13	1.8E-12	1.42E-12	0	0	0	0	1.935E-12	1.1538E-06	1.44248E-07	6.10796E-13	0	3.04868E-13	0
241	570670.6	4178199	0.55, 41781	0.29828	0.27729	0.29064	136.89517	48.04336	174.48935	17.44831	9.65486	21.81117	2.15E-09	1.29E-06	1.61E-07	6.62E-13	2E-12	1.58E-12	0	0	0	0	2.146E-12	1.288E-06	1.61016E-07	6.77211E-13	0	3.38018E-13	0
242	570710.6	4178199	0.55, 41781	0.321	0.32818	0.31291	151.98197	52.23375	185.24815	19.68934	11.4382	23.15602	2.31E-09	1.37E-06	1.71E-07	7.13E-13	2.15E-12	1.7E-12	0	0	0	0	2.31E-12	1.3674E-06	1.70946E-07	7.29119E-13	0	3.63927E-13	0
243	570750.6	4178199	0.55, 41781	0.34558	0.38955	0.32771	144.14265	57.26085	196.68908	22.53194	13.53855	24.58613	2.42E-09	1.45E-06	1.82E-07	7.47E-13	2.25E-12	1.78E-12	0	0	0	0	2.419E-12	1.4518E-06	1.81507E-07	7.63632E-13	0	3.81153E-13	0
244	570790.6	4178199	0.55, 41781	0.38143	0.46429	0.35275	173.32889	66.95506	241.81218	25.57778	15.36352	36.58263	2.6E-09	1.78E-06	2.7E-07	8.04E-13	2.43E-12	1.92E-12	0	0	0	0	2.604E-12	1.7849E-06	2.70055E-07	8.22006E-13	0	4.1029E-13	0
245	570830.6	4178199	0.55, 41781	0.44289	0.55991	0.39405	200.31972	78.9407	262.23048	28.47462	17.66262	37.4615	2.91E-09	1.94E-06	2.77E-07	8.98E-13	2.71E-12	2.14E-12	0	0	0	0	2.909E-12	1.9356E-06	2.76548E-07	9.18272E-13	0	4.58339E-13	0
246	570870.6	4178199	0.55, 41781	0.55133	0.6879	0.45528	245.75399	83.68372	263.19795	34.28137	20.83884	36.18743	3.36E-09	1.94E-06	2.67E-07	1.04E-12	3.13E-12	2.47E-12	0	0	0	0	3.362E-12	1.9428E-06	2.67156E-07	1.06098E-12	0	5.29571E-13	0
247	570910.6	4178199	0.55, 41781	0.74216	0.86472	0.57468	353.61381	98.21675	387.24795	44.20173	24.01316	48.40599	4.24E-09	2.86E-06	3.57E-07	1.31E-12	3.95E-12	3.12E-12	0	0	0	0	4.243E-12	2.8584E-06	3.57357E-07	1.33924E-12	0	6.68455E-13	0
248	570950.6	4178199	0.55, 41781	1.08517	1.1274	0.77671	376.11466	111.85514	479.74888	52.74149	29.33795	59.96861	5.73E-09	3.54E-06	4.43E-07	1.77E-12	5.34E-12	4.22E-12	0	0	0	0	5.735E-12	3.5411E-06	4.42714E-07	1.81003E-12	0	9.03443E-13	0
249	570990.6	4178199	0.55, 41781	1.58976	1.56693	1.05873	410.19015	135.68135	559.12982	68.60008	44.06737	76.18548	7.82E-09	4.13E-06	5.62E-07	2.41E-12	7.28E-12	5.75E-12	0	0	0	0	7.817E-12	4.1271E-06	5.62437E-07	2.46727E-12	0	1.23149E-12	0
250	571030.6	4178199	0.55, 41781	2.42958	2.27373	1.377	561.74649	191.25505	728.04918	107.05418	55.40677	100.45619	1.02E-08	5.37E-06	7.42E-07	3.14E-12	9.47E-12	7.48E-12	0	0	0	0	1.017E-11	5.3739E-06	7.41649E-07	3.20912E-12	0	1.60178E-12	0
251	571070.6	4178199	0.55, 41781	3.58306	3.18041	1.39903	721.18769	259.71405	966.70756	139.44796	73.67892	146.94766	1.03E-08	7.14E-06	1.08E-06	3.19E-12	9.63E-12	7.6E-12	0	0	0	0	1.033E-11	7.1355E-06	1.08485E-06	3.26104E-12	0	1.62769E-12	0
252	571110.6	4178199	0.55, 41781	5.26167	3.22788	1.2956	536.30163	206.72583	1199.13306	116.57539	57.94295	153.9862	9.57E-09	8.85E-06	1.14E-06	2.95E-12	8.92E-12	7.04E-12	0	0	0	0	9.569E-12	8.8509E-06	1.13675E-06	3.02024E-12	0	1.5075E-12	0
253	571150.6	4178199	0.55, 41781	4.55265	2.7214	1.43074	406.82024	165.14744	1078.46551	75.27018	43.84452	138.95995	1.06E-08	7.96E-06	1.03E-06	3.26E-12	9.84E-12	7.78E-12	0	0	0	0	1.057E-11	7.9602E-06	1.02577E-06	3.3347E-12	0	1.66446E-12	0
254	571190.6	4178199	0.55, 41781	3.6655	2.27193	1.9191	348.88414	129.45816	921.59929	55.11772	35.12171	118.18584	1.42E-08	6.8E-06	8.72E-07	4.37E-12	1.32E-11	1.04E-11	0	0	0	0	1.417E-11	6.8023E-06	8.724E-07	4.472E-12	0	2.23212E-12	0

255	571230.6	4178199	0.55, 41781	2.99647	1.91661	2.63905	311.11499	100.77545	780.81724	44.29874	28.05958	97.60216	1.95E-08	5.76E-06	7.2E-07	6.01E-12	1.82E-11	1.43E-11	0	0	0	0	1.948E-11	5.7632E-06	7.20457E-07	6.14884E-12	0	3.06908E-12	0
256	571270.6	4178199	0.55, 41781	2.48655	1.63354	2.7833	275.28639	78.6156	563.64868	36.03295	23.70769	70.45609	2.05E-08	4.16E-06	5.2E-07	6.34E-12	1.91E-11	1.51E-11	0	0	0	0	2.055E-11	4.1603E-06	5.20085E-07	6.48467E-12	0	3.23671E-12	0
257	571310.6	4178199	0.55, 41781	2.04979	1.39182	2.36332	251.65063	69.80646	418.93362	31.45633	18.505	52.3667	1.74E-08	3.09E-06	3.87E-07	5.38E-12	1.63E-11	1.28E-11	0	0	0	0	1.745E-11	3.0922E-06	3.86564E-07	5.50618E-12	0	2.74831E-12	0
258	571350.6	4178199	0.55, 41781	1.66907	1.18291	1.84305	207.71058	67.17721	304.96385	28.41822	15.5683	43.42728	1.36E-08	2.25E-06	3.21E-07	4.2E-12	1.27E-11	1E-11	0	0	0	0	1.361E-11	2.251E-06	3.20579E-07	4.29409E-12	0	2.14332E-12	0
259	571390.6	4178199	0.55, 41781	1.33874	0.99933	1.42084	175.53523	63.93291	243.3206	26.80029	13.20173	40.55343	1.05E-08	1.8E-06	2.99E-07	3.24E-12	9.77E-12	7.72E-12	0	0	0	0	1.049E-11	1.796E-06	2.99365E-07	3.31044E-12	0	1.65235E-12	0
260	571430.6	4178199	0.55, 41781	1.08215	0.84466	1.12094	146.49279	60.30749	207.71024	24.41546	11.02968	34.61837	8.28E-09	1.53E-06	2.56E-07	2.55E-12	7.71E-12	6.09E-12	0	0	0	0	8.275E-12	1.5332E-06	2.55555E-07	2.61173E-12	0	1.3036E-12	0
261	571470.6	4178199	0.55, 41781	0.88511	0.71494	0.90372	129.54701	55.96987	172.11269	21.59117	9.33698	28.68545	6.67E-09	1.27E-06	2.12E-07	2.06E-12	6.22E-12	4.91E-12	0	0	0	0	6.672E-12	1.2704E-06	2.11761E-07	2.10564E-12	0	1.05099E-12	0
262	571510.6	4178199	0.55, 41781	0.73336	0.60746	0.74181	112.64977	51.14316	142.69265	18.77496	8.40942	23.78211	5.48E-09	1.05E-06	1.76E-07	1.69E-12	5.1E-12	4.03E-12	0	0	0	0	5.476E-12	1.0533E-06	1.75565E-07	1.72841E-12	0	8.62704E-13	0
263	571550.6	4178199	0.55, 41781	0.6189	0.52125	0.62191	97.68282	46.08498	120.36205	16.28047	7.59304	20.06034	4.59E-09	8.88E-07	1.48E-07	1.42E-12	4.28E-12	3.38E-12	0	0	0	0	4.591E-12	8.8845E-07	1.48091E-07	1.44905E-12	0	7.23267E-13	0
264	571590.6	4178199	0.55, 41781	0.52714	0.45016	0.52751	84.87826	41.93857	102.67653	14.14638	6.8553	17.11275	3.89E-09	7.58E-07	1.26E-07	1.2E-12	3.63E-12	2.87E-12	0	0	0	0	3.894E-12	7.5791E-07	1.26332E-07	1.2291E-12	0	6.13485E-13	0
265	570310.6	4178239	0.55, 41782	0.10871	0.07725	0.10419	69.36135	22.19632	77.30253	9.49069	3.20395	10.55794	7.69E-10	5.71E-07	7.79E-08	2.37E-13	7.17E-13	5.66E-13	0	0	0	0	7.692E-13	5.706E-07	7.79437E-08	2.42757E-13	0	1.21168E-13	0
266	570350.6	4178239	0.55, 41782	0.12097	0.08699	0.11543	80.24676	23.95533	77.73127	10.03084	3.79637	10.6184	8.52E-10	5.74E-07	7.84E-08	2.63E-13	7.94E-13	6.27E-13	0	0	0	0	8.521E-13	5.7377E-07	7.8391E-08	2.68947E-13	0	1.3424E-13	0
267	570390.6	4178239	0.55, 41782	0.13576	0.09875	0.129	97.68381	28.15369	96.07123	12.21048	4.56788	12.0089	9.52E-10	7.09E-07	8.87E-08	2.94E-13	8.87E-13	7.01E-13	0	0	0	0	9.523E-13	7.0914E-07	8.86582E-08	3.00565E-13	0	1.50022E-13	0
268	570430.6	4178239	0.55, 41782	0.15369	0.11303	0.14573	112.57412	32.01468	119.02369	14.07177	5.30028	14.87796	1.08E-09	8.79E-07	1.1E-07	3.32E-13	1E-12	7.92E-13	0	0	0	0	1.076E-12	8.7855E-07	1.09838E-07	3.39546E-13	0	1.69478E-13	0
269	570470.6	4178239	0.55, 41782	0.17542	0.1305	0.16624	120.86213	35.6675	135.90431	15.10777	5.94458	16.98804	1.23E-09	1E-06	1.25E-07	3.79E-13	1.14E-12	9.03E-13	0	0	0	0	1.227E-12	1.0032E-06	1.25413E-07	3.87335E-13	0	1.93331E-13	0
270	570510.6	4178239	0.55, 41782	0.20166	0.15208	0.19089	118.29832	38.86505	139.27939	14.78729	6.47751	17.40992	1.41E-09	1.03E-06	1.29E-07	4.35E-13	1.31E-12	1.04E-12	0	0	0	0	1.409E-12	1.0281E-06	1.28526E-07	4.4477E-13	0	2.21999E-13	0
271	570550.6	4178239	0.55, 41782	0.23297	0.17899	0.21994	134.82021	41.51275	155.81716	16.85253	6.91879	19.47714	1.62E-09	1.15E-06	1.44E-07	5.01E-13	1.51E-12	1.19E-12	0	0	0	0	1.624E-12	1.1501E-06	1.43788E-07	5.12458E-13	0	2.55784E-13	0
272	570590.6	4178239	0.55, 41782	0.26933	0.21289	0.25402	138.182	44.61865	161.93184	17.27275	7.89914	20.24148	1.88E-09	1.2E-06	1.49E-07	5.79E-13	1.75E-12	1.38E-12	0	0	0	0	1.875E-12	1.1953E-06	1.4943E-07	5.91868E-13	0	2.9542E-13	0
273	570630.6	4178239	0.55, 41782	0.31001	0.25571	0.29378	151.57706	47.88426	180.12829	18.94713	9.37801	22.51604	2.17E-09	1.33E-06	1.66E-07	6.69E-13	2.02E-12	1.6E-12	0	0	0	0	2.169E-12	1.3296E-06	1.66221E-07	6.84514E-13	0	3.41663E-13	0
274	570670.6	4178239	0.55, 41782	0.35129	0.30919	0.33746	163.01094	51.1286	193.67566	20.37637	10.66356	24.20946	2.49E-09	1.43E-06	1.79E-07	7.69E-13	2.32E-12	1.83E-12	0	0	0	0	2.491E-12	1.4296E-06	1.78723E-07	7.86298E-13	0	3.92466E-13	0
275	570710.6	4178239	0.55, 41782	0.3879	0.37553	0.37852	161.77129	55.27243	215.9147	21.46966	11.91574	26.98934	2.79E-09	1.59E-06	1.99E-07	8.62E-13	2.6E-12	2.06E-12	0	0	0	0	2.794E-12	1.5937E-06	1.99242E-07	8.81986E-13	0	4.40227E-13	0
276	570750.6	4178239	0.55, 41782	0.41955	0.45853	0.40652	185.09687	61.2613	243.75059	24.33831	15.0229	31.56234	3E-09	1.8E-06	2.33E-07	9.26E-13	2.8E-12	2.21E-12	0	0	0	0	3.001E-12	1.7992E-06	2.33E-07	9.4726E-13	0	4.72808E-13	0
277	570790.6	4178239	0.55, 41782	0.45531	0.56517	0.42739	195.76674	71.16962	229.68596	30.0466	17.67317	35.54387	3.16E-09	1.7E-06	2.62E-07	9.74E-13	2.94E-12	2.32E-12	0	0	0	0	3.156E-12	1.6954E-06	2.62398E-07	9.9594E-13	0	4.97105E-13	0
278	570830.6	4178239	0.55, 41782	0.51729	0.70869	0.46924	186.14136	86.93814	313.42291	30.32646	20.0795	44.72862	3.46E-09	2.31E-06	3.3E-07	1.07E-12	3.23E-12	2.55E-12	0	0	0	0	3.465E-12	2.3135E-06	3.30188E-07	1.09351E-12	0	5.45808E-13	0
279	570870.6	4178239	0.55, 41782	0.63421	0.91745	0.53024	225.98347	96.3139	311.28977	37.66391	24.81387	41.34654	3.92E-09	2.3E-06	3.05E-07	1.21E-12	3.65E-12	2.88E-12	0	0	0	0	3.915E-12	2.2977E-06	3.05241E-07	1.23574E-12	0	6.16796E-13	0
280	570910.6	4178239	0.55, 41782	0.85302	1.23442	0.65693	293.13359	117.47886	326.7744	47.06613	30.6738	48.00957	4.85E-09	2.41E-06	3.54E-07	1.5E-12	4.52E-12	3.57E-12	0	0	0	0	4.851E-12	2.4121E-06	3.54437E-07	1.53105E-12	0	7.64197E-13	0
281	570950.6	4178239	0.55, 41782	1.35023	1.79208	0.88884	455.80102	142.22416	478.03953	68.40553	39.86266	68.50221	6.56E-09	3.53E-06	5.06E-07	2.03E-12	6.12E-12	4.83E-12	0	0	0	0	6.564E-12	3.5286E-06	5.05729E-07	2.07163E-12	0	1.03402E-12	0
282	570990.6	4178239	0.55, 41782	3.0182	3.06414	1.32054	885.93977	193.04223	771.54657	147.1874	58.20401	96.44332	9.75E-09	5.7E-06	7.12E-07	3.01E-12	9.09E-12	7.18E-12	0	0	0	0	9.753E-12	5.695E-06	7.12112E-07	3.07809E-12	0	1.53637E-12	0
283	571030.6	4178239	0.55, 41782	7.70332	4.46365	2.30139	679.65913	243.63294	1123.21669	144.28562	71.78775	156.8655	1.7E-08	8.29E-06	1.16E-06	5.24E-12	1.58E-11	1.25E-11	0	0	0	0	1.7E-11	8.2907E-06	1.15806E-06	5.36405E-12	0	2.67737E-12	0
284	571110.6	4178239	0.55, 41782	48.37684	13.76668	3.52906	1082.14109	288.2044	2417.61379	441.33003	115.9324	328.07057	2.61E-08	1.78E-05	2.42E-06	8.05E-12	2.43E-11	1.92E-11	0	0	0	0	2.608E-11	1.7844E-05	2.42227E-06	8.23182E-12	0	4.10877E-12	0
285	571150.6	4178239	0.55, 41782	14.38318	6.22649	4.84511	550.93904	192.81003	1871.63269	147.46183	59.89562	339.77194	3.58E-08	1.38E-05	2.51E-06	1.1E-11	3.33E-11	2.63E-11	0	0	0	0	3.577E-11	1.3814E-05	2.50804E-06	1.1291E-11	0	5.63568E-12	0
286	571190.6	4178239	0.55, 41782	8.08563	4.10425	7.76231	423.01159	138.20819	1326.9025	88.76631	43.45879	203.98194	5.73E-08	9.79E-06	1.51E-06	1.77E-11	5.34E-11	4.22E-11	0	0	0	0	5.73E-11	9.7937E-06	1.5057E-06	1.80848E-11	0	9.02671E-12	0
287	571230.6	4178239	0.55, 41782	5.48613	3.01374	6.36519	364.79857	99.98669	820.37732	64.1708	32.88659	114.5851	4.7E-08	6.06E-06	8.46E-07	1.45E-11	4.38E-11	3.46E-11	0	0	0	0	4.699E-11	6.0552E-06	8.45842E-07	1.48295E-11	0	7.40188E-12	0
288	571270.6	4178239	0.55, 41782	3.91656	2.30583	4.21608	308.69657	91.16262	501.73471	42.97299	25.31404	83.35946	3.11E-08	3.7E-06	6.15E-07	9.6E-12	2.9E-11	2.29E-11	0	0	0	0	3.112E-11	3.7034E-06	6.15334E-07	9.82274E-12	0	4.90285E-12	0
289	571310.6	4178239	0.55, 41782	2.81911	1.80691	2.86031	238.76095	82.99282	368.88984	36.57222	19.65898	61.48164	2.11E-08	2.72E-06	4.54E-07	6.52E-12	1.97E-11	1.55E-11	0	0	0	0	2.111E-11	2.7228E-06	4.53848E-07	6.66418E-12	0	3.32631E-12	0
290	571350.6	4178239	0.55, 41782	2.07392	1.43877	2.07081	186.98174	75.01218	257.12826	31.16362	15.62493	42.85471	1.53E-08	1.9E-06	3.16E-07	4.72E-12	1.42E-11	1.13E-11	0	0	0	0	1.529E-11	1.8979E-06	3.16359E-07	4.82482E-12	0	2.40822E-12	0
291	571390.6	4178239	0.55, 41782	1.57003	1.1589	1.56847	153.36435	67.14235	200.39228	25.56072	13.28221	31.13336	1.16E-08	1.48E-06	2.3E-07	3.57E-12	1.08E-11	8.52E-12	0	0	0	0	1.158E-11	1.4792E-06	2.29836E-07	3.65445E-12	0	1.82405E-12	0
292	571430.6	4178239	0.55, 41782	1.23548	0.94866	1.2378	124.99719	59.46648	164.5542	20.83286	11.6734	24.18073	9.14E-09	1.21E-06	1.79E-07	2.82E-12	8.51E-12	6.73E-12	0	0	0	0	9.138E-12	1.2147E-06	1.78512E-07	2.88402E-12	0	1.43951E-12	0
293	571470.6	4178239	0.55, 41782	0.99131	0.7845	0.9961	109.3041	54.21436	142.14876	17.2339	10.26711	19.9293	7.35E-09	1.05E-06	1.47E-07	2.27E-12	6.85E-12	5.41E-12	0	0	0	0	7.353E-12	1.0493E-06	1.47126E-07	2.32088E-12	0	1.15843E-12	0
294	571510.6	4178239	0.55, 41782	0.81688	0.65976	0.82266	100.30585	50.40167	129.05875	14.55844	9.03737	16.96469	6.07E-09	9.53E-07	1.25E-07	1.87E-12	5.66E-12	4.47E-12	0	0	0	0	6.073E-12	9.5265E-07	1.2524E-07	1.91678E-12	0	9.56726E-13	0
295	571550.6	4178239	0.55, 41782	0.68618	0.56281	0.69258	92.19218	46.80105	116.817	12.52836	7.96128	14.60636	5.11E-09	8.62E-07	1.08E-07	1.58E-12	4.76E-12	3.76E-12	0	0	0	0	5.113E-12	8.6229E-07	1.0783E-07	1.6137E-12	0	8.0545E-13	0
296	571590.6	4178239	0.55, 41782	0.57854	0.48285	0.58537	84.94405	43.3686	105.85184	10.89629	7.01254	13.23148	4.32E-09	7.81E-07	9.77E-08	1.33E-12	4.03E-12	3.18E-12	0	0	0	0	4.321E-12	7.8135E-07	9.7679E-08	1.36391E-12	0	6.8077E-13	0
297	570310.6	4178279	0.55, 41782	0.11004	0.07807	0.10589	74.04292	22.79319	77.67346	10.17864	3.64675	10.70288	7.82E-10	5.73E-07	7.9E-08	2.41E-13	7.28E-13	5.75E-13	0	0	0	0	7.817E-13	5.7334E-07	7.90148E-08	2.46718E-13	0	1.23145E-13	0
298	570350.6	4178279	0.55, 41782	0.12249	0.08802	0.11726	80.9847	23.74961	88.18196	11.08549	3.81596	12.05595	8.66E-10	6.51E-07	8.9E-08	2.67E-13	8.07E-13	6.37E-13	0	0	0	0	8.656E-13	6.509E-07	8.90032E-08	2.7321E-13	0	1.36368E-13	0
299	570390.6	4178279	0.55, 41782	0.13757	0.10016	0.13084	86.03589	24.80698	96.47388	11.74551	4.00404	13.13274	9.66E-10	7.12E-07	9.7E-08	2.98E-13	9E-13	7.11E-13	0	0	0	0	9.659E-13	7.121E-07	9.69519E-08	3.04852E-13	0	1.52161E-13	0
300	570430.6	4178279	0.55, 41782	0.15607	0.11514	0.14747	96.31741	27.84204	100.58043	12.03968	4.46456	13.6645	1.09E-09	7.42E-07	1.01E-07	3.36E-13	1.01E-12	8.01E-13	0	0	0	0	1.089E-12	7.4242E-07	1.00877E-07	3.43601E-13	0	1.71502E-13	0
301	570470.6	4178279	0.55, 41782	0.17907	0.13378	0.16835	120.52086	33.01708	119.41006	15.06511	5.41696	14.92626	1.24E-09	8.81E-07	1.1E-07	3.84E-13	1.16E-12	9.15E-13	0	0	0	0	1.243E-12	8.8141E-07	1.10196E-07	3.92252E-13	0	1.95786E-13	0
302	570510.6	4178279	0.55, 41782	0.20795	0.15724	0.19497	141.57577	37.85068	153.41811	17.69697	6.30845	19.17726	1.44E-09	1.13E-06	1.42E-07	4.44E-13	1.34E-12	1.06E-12	0	0	0	0	1.439E-12	1.1324E-06	1.41576E-07	4.54277E-13	0	2.26744E-13	0
303	570550.6	4178279	0.55, 41782	0.24435	0.18714	0.22876	153.17347	42.50173	177.88461	19.14668	7.08362	22.23558	1.69E-09	1.31E-06	1.64E-07	5.21E-13	1.57E-12	1.24E-12	0	0	0	0	1.689E-12	1.313E-06	1.64152E-07	5.33009E-13	0	2.66042E-13	0
304	570590.6	4178279	0.55, 41782	0.28993	0.22577	0.27077	157.86485	46.41285	177.78268	19.73311	7.73548	22.22284	2E-09	1.31E-06	1.64E-07	6.17E-13	1.86E-12	1.47E-12	0	0	0	0	1.999E-12	1.3123E-06	1.64059E-07	6.30895E-13	0	3.149E-13	0
305	570630.6	4178279	0.55, 41782	0.34541	0.27631	0.32199	169.89337	50.77009	212.69617	21.23667	9.57894	26.58702	2.38E-09	1.57E-06	1.96E-07	7.34E-13	2.21E-12	1.75E-12	0	0	0	0	2.377E-12	1.57E-06	1.96272E-07	7.50242E-13	0	3.7447E-13	0
306	570670.6	4178279	0.55, 41782	0.40869	0.34273	0.38328	189.16159	55.36754	226.13934	23.6452	11.64813	28.26742	2.83E-09	1.67E-06	2.09E-07	8.73E-13	2.64E-12	2.08E-12	0	0	0	0	2.83E-12	1.6692E-06	2.0868E-07	8.93057E-13	0	4.45753E-13	0
307	570710.6	4178279	0.55, 41782	0.47241	0.42944	0.45188	202.37611	59.97812	249.97635	25.29701	13.4468	31.24704	3.34E-09	1.85E-06	2.31E-07	1.03E-12	3.11E-12	2.46E-12	0	0	0	0	3.336E-12	1.8451E-06	2.30675E-07	1.05291E-12	0	5.25542E-13	0
308	570750.6	4178279	0.55, 41782	0.52143	0.53099	0.51003	207.36077	66.44988	280.46815	28.38204	16.35494	35.05852	3.77E-09	2.07E-06	2.59E-07	1.16E-12	3.51E-12	2.77E-12	0	0	0	0	3.765E-12	2.0702E-06	2.58812E-07	1.18843E-12	0	5.93184E-13	0
309	570790.6	4178279	0.55, 41782	0.56782	0.69623	0.54766	217.33897	75.80804	318.83899	33.24185	20.36018	42.96761	4.04E-09	2.35E-06	3.17E-07	1.25E-12	3.77E-12	2.98E-12	0	0	0	0	4.043E-12	2.3534E-06	3.17196E-07	1.27619E-12	0	6.36985E-13	0
310	570830.6	4178279	0.55, 41782	0.62461	0.91706	0.58168	236.67869	94.57659	403.572	34.09074	24.90976	60.93237	4.29E-09	2.98E-06	4.5E-07	1.33E-12	4E-12	3.16E-12	0	0	0	0	4.295E-12	2.9788E-06	4.49789E-07	1.35556E-12	0	6.76605E-13	0
311	570870.6	4178279	0.55, 41782	0.74364	1.27032	0.64347	232.57719	121.10786	430.4482	38.76287	29.17824	53.80602	4.75E-09	3.18E-06	3.97E-07	1.47E-12	4.43E-12	3.5E-12	0	0	0	0	4.752E-12	3.1773E-06	3.97202E-07	1.49971E-12	0	7.48554E-13	0
312	570910.6	4178279	0.55, 41782	0.98087	1.94043	0.78377	289.58181	139.00222	423.1545	48.26363	45.30681	59.61258	5.79E-09	3.12E-06	4.4E-07	1.79E-12	5.39E-12	4.26E-12	0	0	0	0	5.788E-12	3.1235E-06	4.40077E-07	1.82693E-12	0	9.11881E-13	0
313	570950.6	4178279	0.55, 41782	1.54705	3.33468	1.05206	380.89662	209.14004	464.4183	63.48277	60.99964	77.40305	7.77E-09	3.43E-06	5.71E-07	2.4E-12	7.24E-12	5.72E-12	0	0	0	0	7.771E-12	3.4282E-06	5.71413E-07	2.45274E-12	0	1.22424E-12	0
314	571150.6	4178279	0.55, 41782	125.5821	15.27099	61.53709	2183.625	235.47088	4321.7852	1020.3296	115.3363	966.08792	4.54E-07	3.19E-05	7.13E-06	1.4E-10	4.23E-10	3.34E-10	0	0	0	0	4.542E-10	3.1898E-05	7.13242E-06	1.43365E-10	0	7.15579E-11	0
315	571190.6	4178279	0.55, 41782	19.14498	7.50998	20.68123	704.1647	157.76938	1300.13062	186.41477	61.8786	262.75525	1.53E-07	9.6E-06	1.94E-06	4.71E-11	1.42E-10	1.12E-10	0	0	0	0	1.527E-10	9.5962E-06	1.93968E-06	4.81815E-11	0	2.40489E-11	0
316	571230.6	4178279	0.55, 41782	9.41744	4.44398	9.68706	418.2482	120.63814	710.71948	87.01567	39.51148	138.35634	7.15E-08	5.25E-06	1.02E-06	2.21E-11	6.66E-11	5.26E-11	0	0	0	0	7.151E-11	5.2459E-06	1.02134E-06	2.25687E-11	0	1.12648E-11	0
317	571270.6	4178279	0.55, 41782	5.33507	3.02277	5.65407	265.61255	99.06709	486.13138	58.88721	29.56115	89.94232	4.17E-08	3.59E-06	6.64E-07	1.29E-11	3.89E-11	3.07E-11	0	0	0	0	4.174E-11	3.5882E-06	6.63952E-07	1.3173E-11	0	6.57505E-12	0
318	571310.6	4178279	0.55, 41782	3.44949	2.20529	3.73581	197.38222	83.78037	349.19747	42.40574	23.44903	62.97539	2.76E-08	2.58E-06	4.65E-07	8.51E-12	2.57E-11	2.03E-11	0	0	0	0	2.758E-11	2.5775E-06	4.64885E-07	8.70389E-12	0	4.34439E-12	0
319	571350.6	4178279	0.55, 41782	2.42474	1.67304	2.63741	164.77993	74.08708	262.11907	31.82391	19.20475	45.98547	1.95E-08	1.93E-06	3.39E-07	6.01E-12	1.81E-11	1.43E-11	0	0	0	0	1.947E-11	1.9348E-06	3.39467E-07	6.14484E-12	0	3.06709E-12	0
320	571390.6	4178279	0.55, 41782	1.80332	1.30805	1.94946	139.62437	66.18564	204.22507	24.75802	16.07748	34.84377	1.44E-08	1.51E-06	2.57E-07	4.44E-12	1.34E-11	1.06E-11	0	0	0	0	1.439E-11	1.5075E-06	2.5722E-07	4.54205E-12	0	2.26708E-12	0
321	571430.6	4178279	0.55, 41782	1.38872	1.04688	1.49158	120.07885	59.47148	164.54693	19.78612	13.66223	27.17412	1.1E-08	1.21E-06	2.01E-07	3.4E-12	1.03E-11	8.1E-12	0	0	0	0	1.101E-11	1.2146E-06	2.00603E-07	3.47526E-12	0	1.73461E-12	0
322	571470.6	4178279	0.55, 41782	1.11171	0.86066	1.18684	104.95004	53.66694	136.91558	16.34545	11.81303	21.87493	8.76E-09	1.01E-06	1.61E-07	2.7E-12	8.16E-12	6.45E-12	0	0	0	0	8.761E-12	1.0106E-06	1.61484E-07	2.76526E-12	0	1.38023E-12	0
323	571510.6	4178279	0.55, 41782	0.90331	0.71725	0.95952	92.95227	48.50847	116.77816	13.70064	10.27697	17.93941	7.08E-09	8.62E-07	1.32E-07	2.19E-12	6.6E-12	5.21E-12	0	0	0	0	7.083E-12	8.6201E-07	1.32432E-07	2.23563E-12	0	1.11587E-12	0
324	571550.6	4178279	0.55, 41782	0.74685	0.60641	0.79002	83.35854	43.88956	102.16829	11.6678	9.00306	14.97338	5.83E-09	7.54E-07	1.11E-07	1.8E-12	5.43E-12	4.29E-12	0	0	0	0	5.832E-12	7.5417E-07	1.10537E-07	1.84071E-12	0	9.18758E-13	0
325	571590.6	4178279	0.55, 41782	0.63093	0.52161	0.66513	75.57295	41.1264	91.05382	10.11638	7.96472	12.7323	4.91E-09	6.72E-07	9.4E-08	1.52E-12	4.57E-12	3.61E-12	0	0	0	0	4.91E-12	6.7213E-07	9.39931E-08	1.54973E-12	0	7.7352E-13	0
326	570310.6	4178319	0.55, 41783	0.1112	0.07908	0.10686	65.67409	25.12162	71.57917	10.72274	3.92383	11.92986	7.89E-10	5.28E-07	8.81E-08	2.43E-13	7.35E-13	5.81E-13	0	0	0	0	7.889E-13	5.2836E-07	8.80718E-08	2.48978E-13	0	1.24273E-13	0
327	570350.6	4178319	0.55, 41783	0.12381	0.08915	0.11863	72.99363	26.3644	78.028	10.96785	4.13077	12.26515	8.76E-10	5.76E-07	9.05E-08	2.7E-13	8.16E-13	6.45E-13	0	0	0	0	8.758E-13	5.7596E-07	9.0547E-08	2.76402E-13	0	1.37961E-13	0
328	570390.6	4178319	0.55, 41783	0.13907	0.1015	0.13256	85.61577	27.73961	87.79758	11.84211	4.3586	12.34233	9.79E-10	6.48E-07	9.11E-08	3.02E-13	9.12E-13	7.2E-13	0	0	0	0	9.786E-13	6.4807E-07	9.11184E-08	3.0886E-13	0	1.54162E-13	0
329	570430.6	4178319	0.55, 41783	0.15783	0.11689	0.14946	97.99246	29.27563	105.83642	13.47747	4.61214	14.5399	1.1E-09	7.81E-07	1.07E-07	3.4E-13	1.03E-12	8.12E-13	0	0	0	0	1.103E-12	7.8121E-07	1.07341E-07	3.48238E-13	0	1.73817E-13	0
330	570470.6	4178319	0.55, 41783	0.18134	0.13633	0.17027	108.90086	31.01454	122.78	14.92794	4.89871	16.74752	1.26E-09	9.06E-07	1.24E-07	3.88E-13	1.17E-12	9.25E-13	0	0	0	0	1.257E-12	9.0627E-07	1.23638E-07	3.96726E-13	0	1.98019E-13	0
331	570510.6	4178319	0.55, 41783	0.21129	0.16124	0.19656	118.40452	33.29424	135.32696	15.9306	5.40834	18.39398	1.45E-09	9.99E-07	1.36E-07	4.48E-13	1.35E-12	1.07E-12	0	0	0	0	1.451E-12	9.9889E-07	1.35792E-07	4.57984E-13	0	2.28594E-13	0
332	570550.6	4178319	0.55, 41783	0.2503	0.19368	0.23096	153.9338	39.94632	153.89508	19.24172	6.62991	19.23689	1.71E-09	1.14E-06	1.42E-07	5.26E-13	1.59E-12	1.25E-12	0	0	0	0	1.705E-12	1.1359E-06	1.4202E-07	5.38138E-13	0	2.68602E-13	0
333	570590.6	4178319	0.55, 41783	0.30196	0.23671	0.27701	186.54438	46.61587	209.37606	23.31805	7.76931	26.17201	2.05E-09	1.55E-06	1.93E-07	6.31E-13	1.91E-12	1.51E-12	0	0	0	0	2.045E-12	1.5455E-06	1.93214E-07	6.45438E-13	0	3.22159E-13	0
334	570630.6	4178319	0.55, 41783	0.37105	0.29503	0.3391	205.0145	52.79857	247.59232	25.62681	8.79976	30.94904	2.5E-09	1.83E-06	2.28E-07	7.72E-13	2.33E-12	1.84E-12	0	0	0	0	2.503E-12	1.8275E-06	2.28476E-07	7.90111E-13	0	3.9437E-13	0
335	570670.6	4178319	0.55, 41783	0.462	0.37572	0.42024	218.45656	59.57781	273.51496	27.30707	11.98561	34.18937	3.1E-09	2.02E-06	2.52E-07	9.57E-13	2.89E-12	2.28E-12	0	0	0	0	3.102E-12	2.0189E-06	2.52395E-07	9.79176E-13	0	4.88738E-13	0
336	570710.6	4178319	0.55, 41783	0.57218	0.48827	0.5224	242.44958	66.62286	291.17197	30.3062	15.15553	36.3965	3.86E-09	2.15E-06	2.69E-07	1.19E-12	3.59E-12	2.84E-12	0	0	0	0	3.857E-12	2.1492E-06	2.68691E-07	1.21722E-12	0	6.07556E-13	0
337	570750.6	4178319	0.55, 41783	0.67767	0.63416	0.63666	262.41203	72.71034	341.04886	32.8015	17.84948	42.63111	4.7E-09	2.52E-06	3.15E-07	1.45E-12	4.38E-12	3.46E-12	0	0	0	0	4.7E-12	2.5173E-06	3.14712E-07	1.48348E-12	0	7.40452E-13	0
338	570790.6	4178319	0.55, 41783	0.76041	0.85502	0.73352	285.66779	86.45349	381.79277	42.9347	23.67926	50.68659	5.42E-09	2.82E-06	3.74E-07	1.67E-12	5.05E-12	3.99E-12	0	0	0	0	5.416E-12	2.8181E-06	3.74187E-07	1.70924E-12	0	8.53137E-13	0
339	570830.6	4178319	0.55, 41783	0.82107	1.23378	0.77266	302.59427	109.05103	424.78874	45.07728	29.79255	65.49858	5.71E-09	3.14E-06	4.84E-07	1.76E-12	5.32E-12	4.2E-12	0	0	0	0	5.705E-12	3.1355E-06	4.83513E-07	1.80064E-12	0	8.98756E-13	0
340	570870.6	4178319	0.55, 41783	0.93174	1.8881	0.81484	263.71888	150.69846	583.61	37.23183	42.82711	79.94464	6.02E-09	4.31E-06	5.9E-07	1.86E-12	5.61E-12	4.43E-12	0	0	0	0	6.018E-12	4.3077E-06	5.90119E-07	1.89928E-12	0	9.4799E-13	0
341	570910.6	4178319	0.55, 41783	1.19482	3.5981	0.94641	225.26352	195.84246	582.08496	37.31993	59.22953	72.76062	6.99E-09	4.3E-06	5.37E-07	2.16E-12	6.51E-12	5.15E-12	0	0	0	0	6.992E-12	4.2966E-06	5.37096E-07	2.20676E-12	0	1.10147E-12	0
342	571190.6	4178319	0.55, 41783	29.13102	9.74239	24.19825	1204.46355	192.40018	1781.17361	337.10397	86.14095	400.692	1.79E-07	1.31E-05	2.96E-06	5.51E-11	1.66E-10	1.31E-10	0	0	0	0	1.786E-10	1.3147E-05	2.95805E-06	5.63762E-11	0	2.81392E-11	0
343	571230.6	4178319	0.55, 41783	10.45163	5.25398	11.58574	479.33008	117.37647	725.29291	126.19986	44.06446	185.38424	8.55E-08	5.35E-06	1.37E-06	2.64E-11	7.97E-11	6.29E-11	0	0	0	0	8.552E-11	5.3534E-06	1.36851E-06	2.69921E-11	0	1.34726E-11	0
344	571270.6	4178319	0.55, 41783	5.72808	3.4301	6.64009	292.22118	96.9874	479.91721	63.79547	33.00222	105.59121	4.9E-08	3.54E-06	7.79E-07	1.51E-11	4.57E-11	3.61E-11	0	0	0	0	4.902E-11	3.5423E-06	7.79461E-07	1.54701E-11	0	7.72163E-12	0
345	571310.6	4178319	0.55, 41783	3.67711	2.43151	4.23514	175.48484	83.52768	339.71763	43.52526	25.92364	69.01312	3.13E-08	2.51E-06	5.09E-07	9.65E-12	2.91E-11	2.3E-11	0	0	0	0	3.126E-11	2.5075E-06	5.0945E-07	9.8672E-12	0	4.92503E-12	0
346	571350.6	4178319	0.55, 41783	2.57847	1.81872	2.91777	135.74456	73.58424	245.66728	31.86463	21.08438	47.561	2.15E-08	1.81E-06	3.51E-07	6.65E-12	2.01E-11	1.59E-11	0	0	0	0	2.154E-11	1.8133E-06	3.51096E-07	6.79802E-12	0	3.39311E-12	0
347	571390.6	4178319	0.55, 41783	1.91038	1.41202	2.12389	114.67965	65.84745	189.40245	24.95277	17.54375	35.6451	1.57E-08	1.4E-06	2.63E-07	4.84E-12	1.46E-11	1.15E-11	0	0	0	0	1.568E-11	1.3981E-06	2.63135E-07	4.94844E-12	0	2.46992E-12	0
348	571430.6	4178319	0.55, 41783	1.47151	1.12853	1.61377	100.57811	59.61061	161.57422	20.18585	14.84739	27.57311	1.19E-08	1.19E-06	2.04E-07	3.68E-12	1.11E-11	8.77E-12	0	0	0	0	1.191E-11	1.1927E-06	2.03548E-07	3.75995E-12	0	1.87671E-12	0
349	571470.6	4178319	0.55, 41783	1.16585	0.92218	1.2649	90.09229	54.43044	139.38169	16.69193	12.71837	21.87498	9.34E-09	1.03E-06	1.61E-07	2.88E-12	8.7E-12	6.87E-12	0	0	0	0	9.338E-12	1.0288E-06	1.61485E-07	2.94713E-12	0	1.47101E-12	0
350	571510.6	4178319	0.55, 41783	0.94595	0.76805	1.01773	81.52103	50.05282	121.69	14.06823	11.00608	17.76049	7.51E-09	8.98E-07	1.31E-07	2.32E-12	7E-12	5.53E-12	0	0	0	0	7.513E-12	8.9826E-07	1.31112E-07	2.37126E-12	0	1.18357E-12	0
351	571550.6	4178319	0.55, 41783	0.78212	0.64956	0.83556	74.38547	46.28731	107.35752	12.02264	9.59923	14.66288	6.17E-09	7.92E-07	1.08E-07	1.9E-12	5.75E-12	4.54E-12	0	0	0	0	6.168E-12	7.9247E-07	1.08246E-07	1.94682E-12	0	9.71721E-13	0
352	571590.6	4178319	0.55, 41783	0.65442	0.55508	0.69496	68.29245	42.98116	95.34122	10.3334	8.40789	12.26582	5.13E-09	7.04E-07	9.06E-08	1.58E-12	4.78E-12	3.78E-12	0	0	0	0	5.13E-12	7.0377E-07	9.05506E-08	1.61924E-12	0	8.08214E-13	0
353	570310.6	4178359	0.55, 41783	0.11229	0.07993	0.10794	69.29068	26.58817	75.81746	11.54845	4.0095	12.46153	7.97E-10	5.6E-07	9.2E-08	2.46E-13	7.42E-13	5.86E-13	0	0	0	0	7.968E-13	5.5964E-07	9.19976E-08	2.51494E-13	0	1.25529E-13	0
354	570350.6	4178359	0.55, 41783	0.12531	0.09043	0.1201	75.30937	28.06345	82.61098	12.55156	4.25756	13.7685	8.87E-10	6.1E-07	1.02E-07	2.74E-13	8.26E-13	6.53E-13	0	0	0	0	8.866E-13	6.0979E-07	1.01646E-07	2.79828E-13	0	1.39671E-13	0
355	570390.6	4178359	0.55, 41783	0.14084	0.10296	0.13441	81.29058	29.71471	90.82388	13.54843	4.53386	15.13731	9.92E-10	6.7E-07	1.12E-07	3.06E-13	9.25E-13	7.3E-13	0	0	0	0	9.922E-13	6.7041E-07	1.11751E-07	3.1317E-13	0	1.56313E-13	0
356	570430.6	4178359	0.55, 41783	0.15989	0.11858	0.15186	87.11605	31.54887	98.44842	14.51934	4.83992	16.40807	1.12E-09	7.27E-07	1.21E-07	3.46E-13	1.04E-12	8.25E-13	0	0	0	0	1.121E-12	7.2669E-07	1.21132E-07	3.53829E-13	0	1.76608E-13	0
357	570470.6	4178359	0.55, 41783	0.18374	0.13844	0.17326	97.3598	33.59814	106.34308	15.36354	5.1813	17.51553	1.28E-09	7.85E-07	1.29E-07	3.95E-13	1.19E-12	9.41E-13	0	0	0	0	1.279E-12	7.8496E-07	1.29307E-07	4.03693E-13	0	2.01496E-13	0
358	570510.6	4178359	0.55, 41783	0.21432	0.16421	0.20002	118.04415	35.93263	125.3205	16.48105	5.5698	18.1537	1.48E-09	9.25E-07	1.34E-07	4.56E-13	1.38E-12	1.09E-12	0	0	0	0	1.477E-12	9.2504E-07	1.34019E-07	4.66046E-13	0	2.32618E-13	0
359	570550.6	4178359	0.55, 41783	0.25472	0.19842	0.23435	139.50155	38.63371	157.96544	19.4148	6.01971	21.81117	1.73E-09	1.17E-06	1.61E-07	5.34E-13	1.61E-12	1.27E-12	0	0	0	0	1.73E-12	1.166E-06	1.6102E-07	5.46038E-13	0	2.72545E-13	0
360	570590.6	4178359	0.55, 41783	0.30979	0.24497	0.28017	159.83108	41.83842	190.36526	22.23989	6.84975	26.13545	2.07E-09	1.41E-06	1.93E-07	6.38E-13	1.93E-12	1.52E-12	0	0	0	0	2.068E-12	1.4051E-06	1.92942E-07	6.52804E-13	0	3.25835E-13	0
361	570630.6	4178359	0.55, 41783	0.38734	0.31015	0.34391	206.43147	51.05257	211.21178	25.80393	8.50876	28.98998	2.54E-09	1.56E-06	2.14E-07	7.83E-13	2.37E-12	1.87E-12	0	0	0	0	2.539E-12	1.559E-06	2.14017E-07	8.01326E-13	0	3.99967E-13	0
362	570670.6	4178359	0.55, 41783	0.50063	0.40488	0.43681	262.98595	60.70684	312.78941	32.87324	10.74505	39.09868	3.22E-09	2.31E-06	2.89E-07	9.95E-13	3E-12	2.37E-12	0	0	0	0	3.225E-12	2.3088E-06	2.8864E-07	1.01779E-12	0	5.08013E-13	0
363	570710.6	4178359	0.55, 41783	0.66972	0.54814	0.57453	304.17814	72.14807	380.66102	38.02227	15.71205	47.58263	4.24E-09	2.81E-06	3.51E-07	1.31E-12	3.95E-12	3.12E-12	0	0	0	0	4.242E-12	2.8097E-06	3.51268E-07	1.3387E-12	0	6.68188E-13	0
364	570750.6	4178359	0.55, 41783	0.90523	0.76876	0.77041	339.35657	85.82023	445.46467	44.72327	21.31802	55.68308	5.69E-09	3.29E-06	4.11E-07	1.76E-12	5.3E-12	4.19E-12	0	0	0	0	5.688E-12	3.288E-06	4.11068E-07	1.79514E-12	0	8.96009E-13	0
365	570790.6	4178359	0.55, 41783	1.13154	1.06104	0.98839	377.53193	96.31599	507.3356	54.94081	27.90141	63.41695	7.3E-09	3.74E-06	4.68E-07	2.25E-12	6.8E-12	5.37E-12	0	0	0	0	7.297E-12	3.7447E-06	4.6817E-07	2.30309E-12	0	1.14955E-12	0
366	570830.6	4178359	0.55, 41783	1.33226	1.74963	1.18947	411.58415	139.14147	649.42864	69.46909	37.35577	97.59965	8.78E-09	4.79E-06	7.2E-07	2.71E-12	8.18E-12	6.46E-12	0	0	0	0	8.783E-12	4.7935E-06	7.20489E-07	2.77191E-12	0	1.38355E-12	0
367	570870.6	4178359	0.55, 41783	1.45984	3.38436	1.19217	346.78431	184.49712	847.26971	52.43952	61.49528	124.03925	8.81E-09	6.25E-06	9.16E-07	2.72E-12	8.2E-12	6.48E-12	0	0	0	0	8.805E-12	6.2538E-06	9.15596E-07	2.77914E-12	0	1.38716E-12	0
368	571150.6	4178359	0.55, 41783	17.36196	17.82412	10.70274	1537.79423	258.8776	2153.28101	350.34789	128.93656	372.67701	7.9E-08	1.59E-05	2.75E-06	2.44E-11	7.36E-11	5.82E-11	0	0	0	0	7.903E-11	1.5893E-05	2.75131E-06	2.49429E-11	0	1.24498E-11	0
369	571190.6	4178359	0.55, 41783	10.35157	8.16971	8.42586	590.93034	162.31709	1380.32388	161.82999	76.08872	218.22557	6.22E-08	1.02E-05	1.61E-06	1.92E-11	5.8E-11	4.58E-11	0	0	0	0	6.221E-11	1.0188E-05	1.61097E-06	1.9633E-11	0	9.79947E-12	0
370	571230.6	4178359	0.55, 41783	6.41954	4.85697	6.11014	429.96716	118.18476	649.38165	103.83364	47.29307	136.54892	4.51E-08	4.79E-06	1.01E-06	1.39E-11	4.2E-11	3.32E-11	0	0	0	0	4.511E-11	4.7932E-06	1.00803E-06	1.42365E-11	0	7.10589E-12	0
371	571270.6	4178359	0.55, 41783	4.24607	3.28764	4.46672	330.34534	97.41521	669.03521	71.25122	30.79427	101.30501	3.3E-08	4.94E-06	7.48E-07	1.02E-11	3.07E-11	2.43E-11	0	0	0	0	3.297E-11	4.9382E-06	7.47841E-07	1.04072E-11	0	5.19456E-12	0
372	571310.6	4178359	0.55, 41783	3.01802	2.39332	3.29044	280.32399	84.30249	476.5001	47.38187	23.6076	69.83839	2.43E-08	3.52E-06	5.16E-07	7.5E-12	2.26E-11	1.79E-11	0	0	0	0	2.429E-11	3.5171E-06	5.15549E-07	7.6665E-12	0	3.82659E-12	0
373	571350.6	4178359	0.55, 41783	2.25439	1.82521	2.47896	223.1696	75.03337	276.07803	32.74083	19.24184	47.29925	1.83E-08	2.04E-06	3.49E-07	5.65E-12	1.71E-11	1.35E-11	0	0	0	0	1.83E-11	2.0378E-06	3.49165E-07	5.77582E-12	0	2.8829E-12	0
374	571390.6	4178359	0.55, 41783	1.7395	1.43625	1.90839	164.0034	68.00709	177.73654	25.39154	16.17569	38.72375	1.41E-08	1.31E-06	2.86E-07	4.35E-12	1.31E-11	1.04E-11	0	0	0	0	1.409E-11	1.312E-06	2.85858E-07	4.44644E-12	0	2.21936E-12	0
375	571430.6	4178359	0.55, 41783	1.37666	1.15767	1.50113	113.66708	62.41604	162.05892	21.33563	13.79366	30.03325	1.11E-08	1.2E-06	2.22E-07	3.42E-12	1.03E-11	8.16E-12	0	0	0	0	1.108E-11	1.1962E-06	2.21708E-07	3.49757E-12	0	1.74575E-12	0
376	571470.6	4178359	0.55, 41783	1.11313	0.95193	1.20554	91.64258	57.80687	139.39839	17.74486	11.89568	22.85385	8.9E-09	1.03E-06	1.69E-07	2.75E-12	8.29E-12	6.55E-12	0	0	0	0	8.9E-12	1.029E-06	1.68712E-07	2.80887E-12	0	1.402E-12	0
377	571510.6	4178359	0.55, 41783	0.9166	0.79605	0.98663	82.11168	53.90312	116.32041	14.64829	10.35284	20.08654	7.28E-09	8.59E-07	1.48E-07	2.25E-12	6.79E-12	5.36E-12	0	0	0	0	7.284E-12	8.5864E-07	1.48281E-07	2.29883E-12	0	1.14742E-12	0
378	571550.6	4178359	0.55, 41783	0.76622	0.67498	0.82026	72.9064	50.52239	102.58687	12.13868	9.07968	17.28494	6.06E-09	7.57E-07	1.28E-07	1.87E-12	5.64E-12	4.46E-12	0	0	0	0	6.055E-12	7.5726E-07	1.27599E-07	1.9112E-12	0	9.53939E-13	0
379	571590.6	4178359	0.55, 41783	0.64386	0.57575	0.68602	65.94968	47.48497	92.44167	10.99161	8.00686	15.40694	5.06E-09	6.82E-07	1.14E-07	1.56E-12	4.72E-12	3.73E-12	0	0	0	0	5.064E-12	6.8238E-07	1.13735E-07	1.59842E-12	0	7.97825E-13	0
380	570310.6	4178399	0.55, 41783	0.11287	0.08031	0.1093	71.34246	27.87564	79.43468	11.89041	3.82503	13.23911	8.07E-10	5.86E-07	9.77E-08	2.49E-13	7.52E-13	5.94E-13	0	0	0	0	8.069E-13	5.8634E-07	9.77373E-08	2.54663E-13	0	1.2711E-13	0
381	570350.6	4178399	0.55, 41783	0.12665	0.09175	0.12214	75.96419	29.57043	83.22909	12.46202	4.12173	13.80548	9.02E-10	6.14E-07	1.02E-07	2.78E-13	8.4E-13	6.64E-13	0	0	0	0	9.017E-13	6.1435E-07	1.01919E-07	2.8458E-13	0	1.42043E-13	0
382	570390.6	4178399	0.55, 41783	0.1425	0.10434	0.13672	83.29233	31.439	92.96873	13.04897	4.44958	14.404	1.01E-09	6.86E-07	1.06E-07	3.11E-13	9.4E-13	7.43E-13	0	0	0	0	1.009E-12	6.8624E-07	1.06337E-07	3.18552E-13	0	1.59E-13	0
383	570430.6	4178399	0.55, 41783	0.16211	0.12032	0.15453	91.32735	33.521	103.76057	14.59534	4.81492	15.65812	1.14E-09	7.66E-07	1.16E-07	3.52E-13	1.06E-12	8.4E-13	0	0	0	0	1.141E-12	7.659E-07	1.15597E-07	3.6005E-13	0	1.79713E-13	0
384	570470.6	4178399	0.55, 41783	0.18668	0.14051	0.17655	100.43451	35.89015	115.76296	16.57018	5.22899	18.35818	1.3E-09	8.54E-07	1.36E-07	4.02E-13	1.21E-12	9.59E-13	0	0	0	0	1.303E-12	8.5449E-07	1.35529E-07	4.11358E-13	0	2.05322E-13	0
385	570510.6	4178399	0.55, 41783	0.21834	0.16684	0.20421	112.76596	38.62084	128.93318	18.79433	5.70408	21.48886	1.51E-09	9.52E-07	1.59E-07	4.65E-13	1.4E-12	1.11E-12	0	0	0	0	1.508E-12	9.517E-07	1.5864E-07	4.75808E-13	0	2.37491E-13	0
386	570550.6	4178399	0.55, 41783	0.26039	0.20212	0.2399	127.75395	41.82578	149.79254	21.29232	6.25899	24.96542	1.77E-09	1.11E-06	1.84E-07	5.47E-13	1.65E-12	1.3E-12	0	0	0	0	1.771E-12	1.1057E-06	1.84304E-07	5.58969E-13	0	2.78999E-13	0
387	570590.6	4178399	0.55, 41783	0.3185	0.25095	0.28739	144.10526	45.67081	172.10131	24.01754	7.17597	28.68355	2.12E-09	1.27E-06	2.12E-07	6.55E-13	1.98E-12	1.56E-12	0	0	0	0	2.122E-12	1.2703E-06	2.11752E-07	6.69627E-13	0	3.34232E-13	0
388	570630.6	4178399	0.55, 41783	0.40291	0.32135	0.35272	177.65061	50.39519	203.06539	27.05917	8.74903	32.05961	2.6E-09	1.5E-06	2.37E-07	8.04E-13	2.43E-12	1.92E-12	0	0	0	0	2.604E-12	1.4989E-06	2.36676E-07	8.21856E-13	0	4.10214E-13	0
389	570670.6	4178399	0.55, 41783	0.53348	0.4284	0.44753	224.79663	56.41372	278.51402	32.60934	10.76331	39.25369	3.3E-09	2.06E-06	2.9E-07	1.02E-12	3.08E-12	2.43E-12	0	0	0	0	3.304E-12	2.0558E-06	2.89784E-07	1.04278E-12	0	5.20485E-13	0
390	570710.6	4178399	0.55, 41783	0.75271	0.60288	0.59636	297.96202	70.92072	361.49768	41.13122	14.0152	50.83456	4.4E-09	2.67E-06	3.75E-07	1.36E-12	4.1E-12	3.24E-12	0	0	0	0	4.403E-12	2.6683E-06	3.75275E-07	1.38959E-12	0	6.93588E-13	0
391	570750.6	4178399	0.55, 41783	1.15447	0.90762	0.85203	416.42427	90.04322	551.74774	52.05303	22.1169	68.96847	6.29E-09	4.07E-06	5.09E-07	1.94E-12	5.86E-12	4.63E-12	0	0	0	0	6.29E-12	4.0725E-06	5.09138E-07	1.98536E-12	0	9.90957E-13	0
392	570790.6	4178399	0.55, 41783	1.70092	1.35462	1.23288	632.44551	121.09647	736.15706	79.05569	31.00919	92.01963	9.1E-09	5.43E-06	6.79E-07	2.81E-12	8.48E-12	6.7E-12	0	0	0	0	9.102E-12	5.4337E-06	6.79325E-07	2.87283E-12	0	1.43392E-12	0
393	570830.6	4178399	0.55, 41783	3.46088	2.976	2.05541	854.46592	185.76652	929.26678	157.19416	64.23703	133.05669	1.52E-08	6.86E-06	9.82E-07	4.68E-12	1.41E-11	1.12E-11	0	0	0	0	1.518E-11	6.8591E-06	9.82363E-07	4.78992E-12	0	2.3908E-12	0
394	571110.6	4178399	0.55, 41783	4.7766	17.70794	5.53677	386.44752	237.89657	1139.86397	91.74551	117.26543	182.49582	4.09E-08	8.41E-06	1.35E-06	1.26E-11	3.81E-11	3.01E-11	0	0	0	0	4.09E-11	8.4134E-06	1.34712E-06	1.29081E-11	0	6.44286E-12	0
395	571150.6	4178399	0.55, 41783	4.75682	9.04164	4.75414	493.27775	194.83019	977.82769	91.47407	80.27894	179.74579	3.51E-08	7.22E-06	1.33E-06	1.08E-11	3.27E-11	2.58E-11	0	0	0	0	3.511E-11	7.2175E-06	1.32683E-06	1.10801E-11	0	5.53041E-12	0
396	571190.6	4178399	0.55, 41783	4.13591	5.67532	3.9763	541.83424	159.29594	784.3481	82.25115	55.55038	130.43816	2.94E-08	5.79E-06	9.63E-07	9.06E-12	2.74E-11	2.16E-11	0	0	0	0	2.936E-11	5.7894E-06	9.62885E-07	9.26614E-12	0	4.62503E-12	0
397	571230.6	4178399	0.55, 41783	3.34043	3.91116	3.41587	419.25179	113.41297	723.05548	67.92735	42.50701	103.29364	2.52E-08	5.34E-06	7.63E-07	7.78E-12	2.35E-11	1.86E-11	0	0	0	0	2.522E-11	5.3369E-06	7.62512E-07	7.95958E-12	0	3.97288E-12	0
398	571270.6	4178399	0.55, 41783	2.69096	2.84934	2.72459	276.99568	96.24025	620.23738	46.4546	32.10306	94.16047	2.01E-08	4.58E-06	6.95E-07	6.21E-12	1.87E-11	1.48E-11	0	0	0	0	2.011E-11	4.578E-06	6.95059E-07	6.34862E-12	0	3.1688E-12	0
399	571310.6	4178399	0.55, 41783	2.15304	2.16763	2.23142	240.01182	84.08056	257.12386	39.08125	24.00367	52.53394	1.65E-08	1.9E-06	3.88E-07	5.08E-12	1.53E-11	1.21E-11	0	0	0	0	1.647E-11	1.8979E-06	3.87814E-07	5.19938E-12	0	2.59517E-12	0
400	571350.6	4178399	0.55, 41783	1.74135	1.70512	1.85867	224.12525	73.73672	326.22415	31.06226	18.34101	44.13622	1.37E-08	2.41E-06	3.26E-07	4.23E-12	1.28E-11	1.01E-11	0	0	0	0	1.372E-11	2.4079E-06	3.25817E-07	4.33078E-12	0	2.16163E-12	0
401	571390.6	4178399	0.55, 41783	1.43215	1.37481	1.54866	207.21833	64.01827	312.56807	26.21992	15.02288	39.07101	1.14E-08	2.31E-06	2.88E-07	3.53E-12	1.07E-11	8.41E-12	0	0	0	0	1.143E-11	2.3071E-06	2.88423E-07	3.60842E-12	0	1.80108E-12	0
402	571430.6	4178399	0.55, 41783	1.19016	1.12906	1.29293	179.9524	59.14274	244.73255	22.49405	12.88734	30.59157	9.54E-09	1.81E-06	2.26E-07	2.95E-12	8.89E-12	7.02E-12	0	0	0	0	9.545E-12	1.8064E-06	2.25831E-07	3.01255E-12	0	1.50366E-12	0
403	571470.6	4178399	0.55, 41783	0.9966	0.93995	1.08271	146.8642	55.47011	170.50633	18.35802	11.23121	21.31329	7.99E-09	1.26E-06	1.57E-07	2.47E-12	7.45E-12	5.88E-12	0	0	0	0	7.993E-12	1.2586E-06	1.57343E-07	2.52273E-12	0	1.25917E-12	0
404	571510.6	4178399	0.55, 41783	0.8441	0.79417	0.91453	113.63796	52.27286	111.23462	14.20474	9.85599	18.36688	6.75E-09	8.21E-07	1.36E-07	2.08E-12	6.29E-12	4.97E-12	0	0	0	0	6.751E-12	8.211E-07	1.35588E-07	2.13087E-12	0	1.06358E-12	0
405	571550.6	4178399	0.55, 41783	0.71988	0.67749	0.77601	84.04695	49.45688	81.90115	12.59546	8.65245	16.41022	5.73E-09	6.05E-07	1.21E-07	1.77E-12	5.34E-12	4.22E-12	0	0	0	0	5.729E-12	6.0459E-07	1.21144E-07	1.80812E-12	0	9.02488E-13	0
406	571590.6	4178399	0.55, 41783	0.61846	0.58359	0.66441	61.25343	46.95039	82.40366	11.31778	7.65227	14.12983	4.9E-09	6.08E-07	1.04E-07	1.51E-12	4.57E-12	3.61E-12	0	0	0	0	4.905E-12	6.0829E-07	1.0431E-07	1.54809E-12	0	7.727E-13	0
407	570310.6	4178439	0.55, 41784	0.11265	0.08111	0.10949	78.47962	27.91467	88.7071	13.07994	3.48933	14.78452	8.08E-10	6.55E-07	1.09E-07	2.49E-13	7.53E-13	5.95E-13	0	0	0	0	8.083E-13	6.5478E-07	1.09146E-07	2.55106E-13	0	1.27331E-13	0
408	570350.6	4178439	0.55, 41784	0.12585	0.09139	0.12175	84.54471	29.62734	96.42477	14.09078	3.70342	16.0708	8.99E-10	7.12E-07	1.19E-07	2.77E-13	8.37E-13	6.61E-13	0	0	0	0	8.988E-13	7.1175E-07	1.18641E-07	2.83672E-13	0	1.4159E-13	0
409	570390.6	4178439	0.55, 41784	0.14252	0.10489	0.13706	91.50908	31.67143	105.54781	15.25151	4.06451	17.5913	1.01E-09	7.79E-07	1.3E-07	3.12E-13	9.43E-13	7.45E-13	0	0	0	0	1.012E-12	7.7909E-07	1.29866E-07	3.19344E-13	0	1.59395E-13	0
410	570430.6	4178439	0.55, 41784	0.16313	0.12204	0.15568	99.54775	33.93845	116.15512	16.59129	4.47421	19.35919	1.15E-09	8.57E-07	1.43E-07	3.55E-13	1.07E-12	8.46E-13	0	0	0	0	1.149E-12	8.5738E-07	1.42917E-07	3.6273E-13	0	1.8105E-13	0
411	570470.6	4178439	0.55, 41784	0.18858	0.14267	0.1783	108.92524	36.54882	128.38607	18.15421	4.93599	21.39768	1.32E-09	9.48E-07	1.58E-07	4.06E-13	1.23E-12	9.69E-13	0	0	0	0	1.316E-12	9.4766E-07	1.57966E-07	4.15436E-13	0	2.07357E-13	0
412	570510.6	4178439	0.55, 41784	0.22167	0.16966	0.20722	120.34611	39.98702	143.34164	20.05769	5.68986	23.89027	1.53E-09	1.06E-06	1.76E-07	4.72E-13	1.43E-12	1.13E-12	0	0	0	0	1.53E-12	1.0581E-06	1.76366E-07	4.82821E-13	0	2.40992E-13	0
413	570550.6	4178439	0.55, 41784	0.2658	0.20594	0.24496	134.27176	44.24032	161.13607	22.37863	6.83821	26.85601	1.81E-09	1.19E-06	1.98E-07	5.58E-13	1.68E-12	1.33E-12	0	0	0	0	1.808E-12	1.1894E-06	1.9826E-07	5.70759E-13	0	2.84884E-13	0
414	570590.6	4178439	0.55, 41784	0.3272	0.25654	0.29583	151.91315	49.32778	182.29969	25.31886	8.30482	30.38328	2.18E-09	1.35E-06	2.24E-07	6.74E-13	2.03E-12	1.61E-12	0	0	0	0	2.184E-12	1.3456E-06	2.243E-07	6.89291E-13	0	3.44047E-13	0
415	570630.6	4178439	0.55, 41784	0.41735	0.33056	0.3671	175.42083	55.6235	213.97884	29.2368	10.21264	34.63299	2.71E-09	1.58E-06	2.56E-07	8.36E-13	2.53E-12	1.99E-12	0	0	0	0	2.71E-12	1.5794E-06	2.55673E-07	8.5536E-13	0	4.26937E-13	0
416	570670.6	4178439	0.55, 41784	0.56024	0.44648	0.47194	208.37177	63.80907	268.23017	34.72863	12.75328	41.38807	3.48E-09	1.98E-06	3.06E-07	1.08E-12	3.25E-12	2.56E-12	0	0	0	0	3.484E-12	1.9799E-06	3.05541E-07	1.09966E-12	0	5.48873E-13	0
417	570710.6	4178439	0.55, 41784	0.81434	0.64609	0.63688	258.28683	75.2647	339.8113	43.04781	16.40047	56.02404	4.7E-09	2.51E-06	4.14E-07	1.45E-12	4.38E-12	3.46E-12	0	0	0	0	4.702E-12	2.5082E-06	4.13581E-07	1.48401E-12	0	7.40715E-13	0
418	570750.6	4178439	0.55, 41784	1.35572	1.03003	0.91926	343.9155	93.10334	457.76974	57.16949	22.25077	76.29496	6.79E-09	3.38E-06	5.63E-07	2.09E-12	6.32E-12	5E-12	0	0	0	0	6.787E-12	3.3789E-06	5.63222E-07	2.14205E-12	0	1.06917E-12	0
419	570790.6	4178439	0.55, 41784	3.18264	2.0617	1.49283	571.47263	129.70009	738.76969	95.66015	38.79176	110.20608	1.1E-08	5.45E-06	8.14E-07	3.4E-12	1.03E-11	8.11E-12	0	0	0	0	1.102E-11	5.453E-06	8.13586E-07	3.47887E-12	0	1.73641E-12	0
420	571070.6	4178439	0.55, 41784	4.74443	12.25677	5.33303	251.71558	235.3671	557.08631	48.15254	87.29167	78.37734	3.94E-08	4.11E-06	5.79E-07	1.22E-11	3.67E-11	2.9E-11	0	0	0	0	3.938E-11	4.1121E-06	5.78573E-07	1.24304E-11	0	6.20441E-12	0
421	571110.6	4178439	0.55, 41784	3.89854	10.39914	4.234	292.37938	213.76959	730.76501	54.55193	96.69541	95.26587	3.13E-08	5.39E-06	7.03E-07	9.65E-12	2.91E-11	2.3E-11	0	0	0	0	3.127E-11	5.394E-06	7.03234E-07	9.86914E-12	0	4.926E-12	0
422	571150.6	4178439	0.55, 41784	3.24566	6.14355	3.38328	299.25996	151.74182	537.6659	53.26943	58.88405	104.89405	2.5E-08	3.97E-06	7.74E-07	7.71E-12	2.33E-11	1.84E-11	0	0	0	0	2.498E-11	3.9687E-06	7.74294E-07	7.88494E-12	0	3.93562E-12	0
423	571190.6	4178439	0.55, 41784	2.68652	4.20662	2.81661	319.22111	114.25705	663.08885	45.60302	42.68486	97.00809	2.08E-08	4.89E-06	7.16E-07	6.42E-12	1.94E-11	1.53E-11	0	0	0	0	2.08E-11	4.8943E-06	7.16075E-07	6.56375E-12	0	3.27618E-12	0
424	571230.6	4178439	0.55, 41784	2.2851	3.10379	2.38014	355.31137	114.374	594.35462	48.25343	33.87475	78.4876	1.76E-08	4.39E-06	5.79E-07	5.42E-12	1.64E-11	1.29E-11	0	0	0	0	1.757E-11	4.387E-06	5.79387E-07	5.54636E-12	0	2.76836E-12	0
425	571270.6	4178439	0.55, 41784	1.91581	2.39067	2.08735	281.61312	92.35093	457.23387	43.32371	28.45229	65.31912	1.54E-08	3.37E-06	4.82E-07	4.76E-12	1.44E-11	1.13E-11	0	0	0	0	1.541E-11	3.3749E-06	4.82185E-07	4.86388E-12	0	2.42772E-12	0
426	571310.6	4178439	0.55, 41784	1.62017	1.88774	1.73959	249.98498	75.512	443.82502	38.72011	23.46838	65.04063	1.28E-08	3.28E-06	4.8E-07	3.96E-12	1.2E-11	9.45E-12	0	0	0	0	1.284E-11	3.2759E-06	4.8012E-07	4.05348E-12	0	2.02322E-12	0
427	571350.6	4178439	0.55, 41784	1.36969	1.52492	1.4607	207.90528	71.02603	289.54604	31.99215	18.96422	43.80183	1.08E-08	2.14E-06	3.23E-07	3.33E-12	1E-11	7.94E-12	0	0	0	0	1.078E-11	2.1372E-06	3.23351E-07	3.4036E-12	0	1.69884E-12	0
428	571390.6	4178439	0.55, 41784	1.16602	1.25794	1.25769	137.82846	66.02867	157.99714	21.56098	15.29437	27.7078	9.29E-09	1.17E-06	2.05E-07	2.87E-12	8.65E-12	6.83E-12	0	0	0	0	9.285E-12	1.1663E-06	2.04545E-07	2.93053E-12	0	1.46272E-12	0
429	571430.6	4178439	0.55, 41784	1.00225	1.05165	1.08939	150.81052	60.59063	188.78292	19.07395	12.70811	25.02004	8.04E-09	1.39E-06	1.85E-07	2.48E-12	7.49E-12	5.92E-12	0	0	0	0	8.043E-12	1.3935E-06	1.84703E-07	2.53835E-12	0	1.26697E-12	0
430	571470.6	4178439	0.55, 41784	0.86528	0.88825	0.94207	153.64691	54.59461	206.40776	19.20586	10.6849	25.80097	6.95E-09	1.52E-06	1.9E-07	2.15E-12	6.48E-12	5.12E-12	0	0	0	0	6.955E-12	1.5236E-06	1.90467E-07	2.19508E-12	0	1.09563E-12	0
431	571510.6	4178439	0.55, 41784	0.75493	0.76151	0.82291	144.52703	49.13224	189.90829	18.06588	9.74189	23.73854	6.08E-09	1.4E-06	1.75E-07	1.87E-12	5.66E-12	4.47E-12	0	0	0	0	6.075E-12	1.4018E-06	1.75242E-07	1.91742E-12	0	9.57044E-13	0
432	571550.6	4178439	0.55, 41784	0.65913	0.65716	0.71761	127.58758	46.59598	156.05984	15.94845	8.8858	19.50748	5.3E-09	1.15E-06	1.44E-07	1.63E-12	4.94E-12	3.9E-12	0	0	0	0	5.298E-12	1.1519E-06	1.4401E-07	1.67206E-12	0	8.34578E-13	0
433	571590.6	4178439	0.55, 41784	0.57626	0.57045	0.62441	106.82976	44.35137	118.44703	13.35372	8.08009	14.80588	4.61E-09	8.74E-07	1.09E-07	1.42E-12	4.29E-12	3.39E-12	0	0	0	0	4.61E-12	8.7432E-07	1.09304E-07	1.4549E-12	0	7.26187E-13	0
434	570310.6	4178479	0.55, 41784	0.1113	0.08183	0.10709	74.58423	29.47815	84.27127	11.80727	4.00274	12.56763	7.91E-10	6.22E-07	9.28E-08	2.44E-13	7.37E-13	5.82E-13	0	0	0	0	7.906E-13	6.2205E-07	9.27812E-08	2.49515E-13	0	1.24541E-13	0
435	570350.6	4178479	0.55, 41784	0.12561	0.09388	0.12027	80.0812	31.76761	91.05741	12.83362	4.33491	13.82729	8.88E-10	6.72E-07	1.02E-07	2.74E-13	8.27E-13	6.53E-13	0	0	0	0	8.879E-13	6.7214E-07	1.0208E-07	2.80226E-13	0	1.3987E-13	0
436	570390.6	4178479	0.55, 41784	0.14146	0.10678	0.13471	86.10528	34.01158	98.86723	14.01299	4.67053	15.28263	9.94E-10	7.3E-07	1.13E-07	3.07E-13	9.27E-13	7.32E-13	0	0	0	0	9.945E-13	7.2978E-07	1.12824E-07	3.13871E-13	0	1.56663E-13	0
437	570430.6	4178479	0.55, 41784	0.16075	0.12266	0.15218	93.00088	36.36689	108.11431	15.32204	5.02469	17.00047	1.12E-09	7.98E-07	1.26E-07	3.47E-13	1.05E-12	8.27E-13	0	0	0	0	1.123E-12	7.9804E-07	1.25506E-07	3.54577E-13	0	1.76981E-13	0
438	570470.6	4178479	0.55, 41784	0.18644	0.14379	0.17515	101.96042	39.51551	120.09702	16.93263	5.48718	19.18544	1.29E-09	8.86E-07	1.42E-07	3.99E-13	1.2E-12	9.52E-13	0	0	0	0	1.293E-12	8.8649E-07	1.41635E-07	4.08099E-13	0	2.03695E-13	0
439	570510.6	4178479	0.55, 41784	0.22079	0.17209	0.20548	113.44919	43.50567	135.70428	18.9082	6.17272	22.02345	1.52E-09	1E-06	1.63E-07	4.68E-13	1.41E-12	1.12E-12	0	0	0	0	1.517E-12	1.0017E-06	1.62586E-07	4.78969E-13	0	2.38969E-13	0
440	570550.6	4178479	0.55, 41784	0.2667	0.21004	0.24533	127.7059	48.20733	155.63974	21.28432	7.34053	25.62853	1.81E-09	1.15E-06	1.89E-07	5.59E-13	1.69E-12	1.33E-12	0	0	0	0	1.811E-12	1.1488E-06	1.89198E-07	5.71623E-13	0	2.85315E-13	0
441	570590.6	4178479	0.55, 41784	0.32931	0.26248	0.29831	144.67878	53.44745	182.17951	24.11313	8.81975	30.24215	2.2E-09	1.34E-06	2.23E-07	6.8E-13	2.05E-12	1.62E-12	0	0	0	0	2.202E-12	1.3447E-06	2.23256E-07	6.95072E-13	0	3.46932E-13	0
442	570630.6	4178479	0.55, 41784	0.42133	0.33962	0.37314	165.95931	60.05375	219.0797	27.65989	10.77683	36.51328	2.75E-09	1.62E-06	2.7E-07	8.5E-13	2.57E-12	2.03E-12	0	0	0	0	2.755E-12	1.6171E-06	2.69548E-07	8.69435E-13	0	4.33963E-13	0
443	570670.6	4178479	0.55, 41784	0.56746	0.46145	0.48445	193.36004	69.0612	272.47405	32.22667	13.5092	45.41234	3.58E-09	2.01E-06	3.35E-07	1.1E-12	3.33E-12	2.63E-12	0	0	0	0	3.577E-12	2.0112E-06	3.35238E-07	1.12881E-12	0	5.63423E-13	0
444	570710.6	4178479	0.55, 41784	0.83023	0.67528	0.66195	236.53606	81.84268	352.22256	39.07222	17.68943	58.70376	4.89E-09	2.6E-06	4.33E-07	1.51E-12	4.55E-12	3.6E-12	0	0	0	0	4.887E-12	2.5998E-06	4.33351E-07	1.54242E-12	0	7.69873E-13	0
445	570750.6	4178479	0.55, 41784	1.42426	1.12918	0.97629	342.03514	102.90165	482.1747	49.67165	25.1054	80.36245	7.21E-09	3.56E-06	5.93E-07	2.22E-12	6.72E-12	5.3E-12	0	0	0	0	7.208E-12	3.559E-06	5.93228E-07	2.27496E-12	0	1.13551E-12	0
446	570790.6	4178479	0.55, 41784	3.63047	2.75084	1.62936	596.75244	187.47347	722.34167	107.7468	51.23422	120.39028	1.2E-08	5.33E-06	8.89E-07	3.71E-12	1.12E-11	8.85E-12	0	0	0	0	1.203E-11	5.3318E-06	8.88777E-07	3.79733E-12	0	1.89537E-12	0
447	571030.6	4178479	0.55, 41784	9.40071	15.68167	11.18665	333.68631	267.08575	756.18793	81.11776	110.69164	178.64972	8.26E-08	5.58E-06	1.32E-06	2.55E-11	7.7E-11	6.08E-11	0	0	0	0	8.26E-11	5.5817E-06	1.31872E-06	2.60684E-11	0	1.30116E-11	0
448	571070.6	4178479	0.55, 41784	5.59712	9.0131	6.53916	216.22006	204.77885	522.16381	54.58514	76.29745	101.00005	4.83E-08	3.85E-06	7.46E-07	1.49E-11	4.5E-11	3.55E-11	0	0	0	0	4.828E-11	3.8543E-06	7.45556E-07	1.52382E-11	0	7.60588E-12	0
449	571110.6	4178479	0.55, 41784	3.86033	5.8724	4.45436	232.77263	158.88759	526.3096	40.87392	60.11848	68.10823	3.29E-08	3.88E-06	5.03E-07	1.01E-11	3.06E-11	2.42E-11	0	0	0	0	3.289E-11	3.8848E-06	5.02766E-07	1.03799E-11	0	5.18092E-12	0
450	571150.6	4178479	0.55, 41784	2.87873	4.17215	3.24074	243.47288	131.88403	510.79766	36.94401	47.80365	68.59206	2.39E-08	3.77E-06	5.06E-07	7.38E-12	2.23E-11	1.76E-11	0	0	0	0	2.393E-11	3.7703E-06	5.06329E-07	7.55174E-12	0	3.76931E-12	0
451	571190.6	4178479	0.55, 41784	2.25924	3.11768	2.54212	272.99859	103.34976	495.79992	40.61499	35.56429	82.63332	1.88E-08	3.66E-06	6.1E-07	5.79E-12	1.75E-11	1.38E-11	0	0	0	0	1.877E-11	3.6596E-06	6.0997E-07	5.92369E-12	0	2.9567E-12	0
452	571230.6	4178479	0.55, 41784	1.86428	2.43731	2.04705	228.60917	88.43023	428.91859	34.9281	28.65964	53.61482	1.51E-08	3.17E-06	3.96E-07	4.66E-12	1.41E-11	1.11E-11	0	0	0	0	1.511E-11	3.1659E-06	3.95783E-07	4.77003E-12	0	2.38087E-12	0
453	571270.6	4178479	0.55, 41784	1.58233	1.95726	1.72288	275.18297	89.4878	451.79055	39.56066	24.38596	62.99097	1.27E-08	3.33E-06	4.65E-07	3.93E-12	1.19E-11	9.36E-12	0	0	0	0	1.272E-11	3.3347E-06	4.64994E-07	4.0146E-12	0	2.00381E-12	0
454	571310.6	4178479	0.55, 41784	1.35793	1.6065	1.5101	222.77943	77.47813	328.49847	32.82803	21.05024	46.46168	1.11E-08	2.42E-06	3.43E-07	3.44E-12	1.04E-11	8.21E-12	0	0	0	0	1.115E-11	2.4247E-06	3.42984E-07	3.51872E-12	0	1.75631E-12	0
455	571350.6	4178479	0.55, 41784	1.1642	1.33076	1.27594	210.30644	64.61424	297.95893	30.9494	18.13628	42.55235	9.42E-09	2.2E-06	3.14E-07	2.91E-12	8.78E-12	6.93E-12	0	0	0	0	9.42E-12	2.1993E-06	3.14127E-07	2.97308E-12	0	1.48396E-12	0
456	571390.6	4178479	0.55, 41784	1.001	1.11694	1.07653	187.8278	60.73144	278.37154	27.7002	15.35336	39.86006	7.95E-09	2.05E-06	2.94E-07	2.45E-12	7.41E-12	5.85E-12	0	0	0	0	7.948E-12	2.0547E-06	2.94249E-07	2.50843E-12	0	1.25204E-12	0
457	571430.6	4178479	0.55, 41784	0.8626	0.94616	0.9271	141.00765	57.76687	153.44465	20.99683	12.7525	23.01436	6.84E-09	1.13E-06	1.7E-07	2.11E-12	6.38E-12	5.04E-12	0	0	0	0	6.844E-12	1.1327E-06	1.69903E-07	2.16024E-12	0	1.07824E-12	0
458	571470.6	4178479	0.55, 41784	0.75511	0.81334	0.81471	85.41876	54.87579	110.14274	13.60469	11.10539	17.11986	6.01E-09	8.13E-07	1.26E-07	1.86E-12	5.6E-12	4.43E-12	0	0	0	0	6.015E-12	8.1304E-07	1.26383E-07	1.89835E-12	0	9.47525E-13	0
459	571510.6	4178479	0.55, 41784	0.666	0.70453	0.71826	104.54177	51.61661	121.24791	13.06772	9.4895	15.99878	5.3E-09	8.95E-07	1.18E-07	1.64E-12	4.94E-12	3.9E-12	0	0	0	0	5.303E-12	8.95E-07	1.18108E-07	1.6736E-12	0	8.35348E-13	0
460	571550.6	4178479	0.55, 41784	0.58993	0.61436	0.63446	114.23468	47.78612	141.81512	14.27934	8.47335	17.72689	4.68E-09	1.05E-06	1.31E-07	1.45E-12	4.36E-12	3.45E-12	0	0	0	0	4.684E-12	1.0468E-06	1.30865E-07	1.47834E-12	0	7.37885E-13	0
461	571590.6	4178479	0.55, 41784	0.5248	0.5396	0.56365	114.71837	43.31659	143.69009	14.3398	7.89274	17.96126	4.16E-09	1.06E-06	1.33E-07	1.28E-12	3.88E-12	3.06E-12	0	0	0	0	4.161E-12	1.0606E-06	1.32595E-07	1.31334E-12	0	6.5553E-13	0
462	570310.6	4178519	0.55, 41785	0.10968	0.08323	0.10459	75.92481	30.95134	85.20389	12.65413	4.31611	14.20065	7.72E-10	6.29E-07	1.05E-07	2.38E-13	7.19E-13	5.68E-13	0	0	0	0	7.721E-13	6.2893E-07	1.04836E-07	2.43693E-13	0	1.21635E-13	0
463	570350.6	4178519	0.55, 41785	0.12253	0.09413	0.11632	80.98331	32.52203	91.70345	13.49722	4.56123	15.28391	8.59E-10	6.77E-07	1.13E-07	2.65E-13	8E-13	6.32E-13	0	0	0	0	8.587E-13	6.7691E-07	1.12833E-07	2.71024E-13	0	1.35277E-13	0
464	570390.6	4178519	0.55, 41785	0.13706	0.10653	0.12954	86.4192	34.09518	99.00991	14.4032	4.78567	16.50165	9.56E-10	7.31E-07	1.22E-07	2.95E-13	8.91E-13	7.04E-13	0	0	0	0	9.563E-13	7.3084E-07	1.21822E-07	3.01828E-13	0	1.50652E-13	0
465	570430.6	4178519	0.55, 41785	0.15657	0.12308	0.14711	93.48729	36.56809	108.68156	15.58121	5.11226	18.11359	1.09E-09	8.02E-07	1.34E-07	3.35E-13	1.01E-12	7.99E-13	0	0	0	0	1.086E-12	8.0223E-07	1.33722E-07	3.42767E-13	0	1.71086E-13	0
466	570470.6	4178519	0.55, 41785	0.18113	0.14422	0.16907	101.65142	39.2669	120.52836	16.9419	5.47129	20.08806	1.25E-09	8.9E-07	1.48E-07	3.85E-13	1.16E-12	9.19E-13	0	0	0	0	1.248E-12	8.8967E-07	1.48297E-07	3.93935E-13	0	1.96626E-13	0
467	570510.6	4178519	0.55, 41785	0.21556	0.17373	0.19928	112.42418	43.21366	137.68321	18.73736	6.23491	22.9472	1.47E-09	1.02E-06	1.69E-07	4.54E-13	1.37E-12	1.08E-12	0	0	0	0	1.471E-12	1.0163E-06	1.69403E-07	4.64327E-13	0	2.31761E-13	0
468	570550.6	4178519	0.55, 41785	0.26244	0.21401	0.23948	127.39838	48.06291	159.66591	20.89373	7.26318	26.61098	1.77E-09	1.18E-06	1.96E-07	5.46E-13	1.65E-12	1.3E-12	0	0	0	0	1.768E-12	1.1786E-06	1.96449E-07	5.57998E-13	0	2.78514E-13	0
469	570590.6	4178519	0.55, 41785	0.32438	0.26815	0.29055	146.74921	52.55391	186.84388	23.05175	8.49659	31.14065	2.15E-09	1.38E-06	2.3E-07	6.62E-13	2E-12	1.58E-12	0	0	0	0	2.145E-12	1.3792E-06	2.29885E-07	6.76998E-13	0	3.37911E-13	0
470	570630.6	4178519	0.55, 41785	0.41604	0.34788	0.36203	170.82398	60.03664	221.85088	25.41079	10.076	36.97515	2.67E-09	1.64E-06	2.73E-07	8.25E-13	2.49E-12	1.97E-12	0	0	0	0	2.673E-12	1.6375E-06	2.72952E-07	8.43559E-13	0	4.21047E-13	0
471	570670.6	4178519	0.55, 41785	0.56352	0.47347	0.46761	210.6175	71.54419	266.74609	27.95974	12.2085	44.45768	3.45E-09	1.97E-06	3.28E-07	1.07E-12	3.22E-12	2.54E-12	0	0	0	0	3.452E-12	1.9689E-06	3.28183E-07	1.08958E-12	0	5.43846E-13	0
472	570710.6	4178519	0.55, 41785	0.82936	0.69158	0.6351	257.30872	94.91316	337.8148	32.16359	16.3308	53.60133	4.69E-09	2.49E-06	3.96E-07	1.45E-12	4.37E-12	3.45E-12	0	0	0	0	4.689E-12	2.4935E-06	3.95678E-07	1.47989E-12	0	7.38659E-13	0
473	570750.6	4178519	0.55, 41785	1.36529	1.13262	0.93188	327.60111	130.96882	473.41526	45.80096	29.91109	62.68561	6.88E-09	3.49E-06	4.63E-07	2.12E-12	6.41E-12	5.06E-12	0	0	0	0	6.88E-12	3.4944E-06	4.62753E-07	2.17151E-12	0	1.08387E-12	0
474	570790.6	4178519	0.55, 41785	2.09469	1.90095	1.39228	339.24086	174.34023	730.67406	59.4987	49.70987	91.33426	1.03E-08	5.39E-06	6.74E-07	3.17E-12	9.58E-12	7.57E-12	0	0	0	0	1.028E-11	5.3932E-06	6.74227E-07	3.24448E-12	0	1.61942E-12	0
475	570990.6	4178519	0.55, 41785	30.9381	16.28557	11.79039	1645.60932	278.46944	1244.70182	444.29015	131.46412	279.7997	8.71E-08	9.19E-06	2.07E-06	2.69E-11	8.11E-11	6.41E-11	0	0	0	0	8.706E-11	9.1876E-06	2.066E-06	2.74765E-11	0	1.37144E-11	0
476	571030.6	4178519	0.55, 41785	10.39533	8.05295	7.62595	575.07494	188.36146	999.69988	130.51861	75.45666	173.23921	5.63E-08	7.38E-06	1.28E-06	1.74E-11	5.25E-11	4.14E-11	0	0	0	0	5.63E-11	7.3789E-06	1.27888E-06	1.77696E-11	0	8.86938E-12	0
477	571070.6	4178519	0.55, 41785	5.62777	5.38206	5.21191	327.13066	151.27996	542.64793	61.45445	56.79768	91.26612	3.85E-08	4.01E-06	6.74E-07	1.19E-11	3.59E-11	2.83E-11	0	0	0	0	3.848E-11	4.0054E-06	6.73728E-07	1.21444E-11	0	6.06164E-12	0
478	571110.6	4178519	0.55, 41785	3.70135	3.92679	3.70614	194.51307	130.68512	402.95521	41.68788	44.49195	69.09918	2.74E-08	2.97E-06	5.1E-07	8.44E-12	2.55E-11	2.01E-11	0	0	0	0	2.736E-11	2.9743E-06	5.10081E-07	8.63578E-12	0	4.31039E-12	0
479	571150.6	4178519	0.55, 41785	2.69329	3.00723	2.77155	208.02281	103.35418	440.08145	30.40761	37.50867	55.01018	2.05E-08	3.25E-06	4.06E-07	6.31E-12	1.91E-11	1.51E-11	0	0	0	0	2.046E-11	3.2483E-06	4.06072E-07	6.4581E-12	0	3.22344E-12	0
480	571190.6	4178519	0.55, 41785	2.08526	2.38411	2.19601	205.94825	100.14217	330.97092	32.90062	31.32752	44.74048	1.62E-08	2.44E-06	3.3E-07	5E-12	1.51E-11	1.19E-11	0	0	0	0	1.621E-11	2.443E-06	3.3028E-07	5.11701E-12	0	2.55406E-12	0
481	571230.6	4178519	0.55, 41785	1.66362	1.91731	1.76389	215.41751	83.66277	360.55042	30.77393	25.17962	52.13444	1.3E-08	2.66E-06	3.85E-07	4.02E-12	1.21E-11	9.58E-12	0	0	0	0	1.302E-11	2.6613E-06	3.84848E-07	4.11011E-12	0	2.05149E-12	0
482	571270.6	4178519	0.55, 41785	1.38104	1.58176	1.44385	194.90891	74.63088	227.07234	31.16799	21.56574	34.54332	1.07E-08	1.68E-06	2.55E-07	3.29E-12	9.93E-12	7.85E-12	0	0	0	0	1.066E-11	1.6761E-06	2.55015E-07	3.36438E-12	0	1.67927E-12	0
483	571310.6	4178519	0.55, 41785	1.18628	1.33473	1.24995	227.7435	74.01926	353.91479	34.0231	18.88588	51.12416	9.23E-09	2.61E-06	3.77E-07	2.85E-12	8.6E-12	6.79E-12	0	0	0	0	9.228E-12	2.6123E-06	3.77398E-07	2.91254E-12	0	1.45374E-12	0
484	571350.6	4178519	0.55, 41785	1.02794	1.1349	1.10387	186.21806	66.32591	255.87469	28.09378	16.3212	37.6065	8.15E-09	1.89E-06	2.78E-07	2.51E-12	7.59E-12	6E-12	0	0	0	0	8.15E-12	1.8887E-06	2.77617E-07	2.57213E-12	0	1.28383E-12	0
485	571390.6	4178519	0.55, 41785	0.88898	0.96986	0.94947	165.64096	58.31983	230.86073	23.55305	14.40747	29.95608	7.01E-09	1.7E-06	2.21E-07	2.16E-12	6.53E-12	5.16E-12	0	0	0	0	7.01E-12	1.704E-06	2.21143E-07	2.21236E-12	0	1.10426E-12	0
486	571430.6	4178519	0.55, 41785	0.7696	0.83467	0.8102	166.81635	54.79876	235.11797	23.72844	12.50769	32.6638	5.98E-09	1.74E-06	2.41E-07	1.85E-12	5.57E-12	4.4E-12	0	0	0	0	5.981E-12	1.7355E-06	2.41128E-07	1.88785E-12	0	9.42288E-13	0
487	571470.6	4178519	0.55, 41785	0.67066	0.72494	0.7032	138.40145	51.97552	171.46902	19.82816	10.73341	24.30543	5.19E-09	1.27E-06	1.79E-07	1.6E-12	4.84E-12	3.82E-12	0	0	0	0	5.192E-12	1.2657E-06	1.7943E-07	1.63853E-12	0	8.17844E-13	0
488	571510.6	4178519	0.55, 41785	0.58987	0.63439	0.62004	93.94363	49.66848	89.41667	13.736	9.50533	13.29785	4.58E-09	6.6E-07	9.82E-08	1.41E-12	4.27E-12	3.37E-12	0	0	0	0	4.578E-12	6.6006E-07	9.81746E-08	1.44476E-12	0	7.21125E-13	0
489	571550.6	4178519	0.55, 41785	0.52422	0.55926	0.55249	64.7066	47.53612	82.72316	9.81761	8.44297	11.85775	4.08E-09	6.11E-07	8.75E-08	1.26E-12	3.8E-12	3E-12	0	0	0	0	4.079E-12	6.1065E-07	8.75378E-08	1.28736E-12	0	6.4256E-13	0
490	571590.6	4178519	0.55, 41785	0.47148	0.49721	0.49682	75.39988	45.27823	83.60413	9.54319	7.49343	11.2302	3.67E-09	6.17E-07	8.29E-08	1.13E-12	3.42E-12	2.7E-12	0	0	0	0	3.668E-12	6.1715E-07	8.29055E-08	1.15764E-12	0	5.77813E-13	0
491	570310.6	4178559	0.55, 41785	0.10731	0.08405	0.10201	76.80272	30.54078	89.48595	12.80045	4.19275	14.91432	7.53E-10	6.61E-07	1.1E-07	2.32E-13	7.02E-13	5.54E-13	0	0	0	0	7.531E-13	6.6054E-07	1.10103E-07	2.37683E-13	0	1.18635E-13	0
492	570350.6	4178559	0.55, 41785	0.11907	0.09438	0.11262	82.9813	31.5625	94.82328	13.39224	4.31782	15.80388	8.31E-10	7E-07	1.17E-07	2.57E-13	7.75E-13	6.12E-13	0	0	0	0	8.314E-13	6.9993E-07	1.1667E-07	2.62405E-13	0	1.30975E-13	0
493	570390.6	4178559	0.55, 41785	0.1339	0.10748	0.12591	90.55746	32.83588	101.05325	14.07263	4.47793	16.84221	9.3E-10	7.46E-07	1.24E-07	2.87E-13	8.66E-13	6.84E-13	0	0	0	0	9.295E-13	7.4592E-07	1.24335E-07	2.93372E-13	0	1.46431E-13	0
494	570430.6	4178559	0.55, 41785	0.15297	0.12443	0.14282	99.07784	34.42492	111.25467	14.88754	4.68196	18.0897	1.05E-09	8.21E-07	1.34E-07	3.25E-13	9.82E-13	7.76E-13	0	0	0	0	1.054E-12	8.2121E-07	1.33544E-07	3.32774E-13	0	1.66098E-13	0
495	570470.6	4178559	0.55, 41785	0.17711	0.14611	0.16369	108.3811	37.13833	125.77833	15.68816	5.10948	19.33096	1.21E-09	9.28E-07	1.43E-07	3.73E-13	1.13E-12	8.89E-13	0	0	0	0	1.208E-12	9.2842E-07	1.42707E-07	3.81404E-13	0	1.90371E-13	0
496	570510.6	4178559	0.55, 41785	0.21022	0.1758	0.19176	119.02071	41.74654	144.28309	16.67371	5.7123	20.76073	1.42E-09	1.07E-06	1.53E-07	4.37E-13	1.32E-12	1.04E-12	0	0	0	0	1.416E-12	1.065E-06	1.53261E-07	4.46811E-13	0	2.23018E-13	0
497	570550.6	4178559	0.55, 41785	0.25686	0.21737	0.22998	138.81712	48.97119	169.0217	17.78034	6.5378	22.20322	1.7E-09	1.25E-06	1.64E-07	5.24E-13	1.58E-12	1.25E-12	0	0	0	0	1.698E-12	1.2476E-06	1.6391E-07	5.35869E-13	0	2.6747E-13	0
498	570590.6	4178559	0.55, 41785	0.31921	0.27311	0.27901	158.95656	55.69599	196.40207	19.86957	7.90259	24.55026	2.06E-09	1.45E-06	1.81E-07	6.36E-13	1.92E-12	1.52E-12	0	0	0	0	2.06E-12	1.4497E-06	1.81237E-07	6.50119E-13	0	3.24495E-13	0
499	570630.6	4178559	0.55, 41785	0.41072	0.35398	0.34795	180.38278	65.18573	228.48167	22.54785	9.64997	28.56021	2.57E-09	1.69E-06	2.11E-07	7.93E-13	2.39E-12	1.89E-12	0	0	0	0	2.569E-12	1.6865E-06	2.10839E-07	8.10764E-13	0	4.04678E-13	0
500	570670.6	4178559	0.55, 41785	0.55178	0.47716	0.45068	218.05495	85.23197	290.43238	27.25687	14.02323	36.30405	3.33E-09	2.14E-06	2.68E-07	1.03E-12	3.1E-12	2.45E-12	0	0	0	0	3.327E-12	2.1438E-06	2.68003E-07	1.05015E-12	0	5.24163E-13	0
501	570710.6	4178559	0.55, 41785	0.78132	0.6809	0.62169	244.71244	105.12049	355.26836	32.595	21.74638	44.40855	4.59E-09	2.62E-06	3.28E-07	1.42E-12	4.28E-12	3.38E-12	0	0	0	0	4.59E-12	2.6224E-06	3.2783E-07	1.44864E-12	0	7.23063E-13	0
502	570750.6	4178559	0.55, 41785	1.13763	1.02831	0.92752	276.33124	124.7524	514.56755	39.47589	32.46528	64.32094	6.85E-09	3.8E-06	4.75E-07	2.11E-12	6.38E-12	5.04E-12	0	0	0	0	6.848E-12	3.7981E-06	4.7481E-07	2.16128E-12	0	1.07876E-12	0
503	570790.6	4178559	0.55, 41785	1.48115	1.46435	1.34156	285.306	157.20995	776.24295	43.19026	42.97795	97.64972	9.9E-09	5.73E-06	7.21E-07	3.06E-12	9.23E-12	7.29E-12	0	0	0	0	9.905E-12	5.7295E-06	7.20806E-07	3.12604E-12	0	1.56031E-12	0
504	570830.6	4178559	0.55, 41785	2.67811	2.99292	2.3948	342.02881	178.80856	871.65336	66.23843	64.34565	121.28657	1.77E-08	6.43E-06	8.95E-07	5.46E-12	1.65E-11	1.3E-11	0	0	0	0	1.768E-11	6.4338E-06	8.95308E-07	5.58047E-12	0	2.78539E-12	0
505	570950.6	4178559	0.55, 41785	26.55575	12.00196	5.05287	679.01352	318.67052	1487.06516	280.37281	116.3834	245.48668	3.73E-08	1.1E-05	1.81E-06	1.15E-11	3.48E-11	2.75E-11	0	0	0	0	3.732E-11	1.0976E-05	1.81242E-06	1.1779E-11	0	5.8793E-12	0
506	570990.6	4178559	0.55, 41785	10.52141	6.96087	4.44153	639.29991	205.65266	1371.63359	133.52138	75.6432	174.17097	3.28E-08	1.01E-05	1.29E-06	1.01E-11	3.06E-11	2.41E-11	0	0	0	0	3.28E-11	1.0124E-05	1.28577E-06	1.0351E-11	0	5.16653E-12	0
507	571030.6	4178559	0.55, 41785	6.12086	4.69941	3.63304	562.31532	143.87555	907.33173	97.52112	53.65332	135.00156	2.68E-08	6.7E-06	9.97E-07	8.28E-12	2.5E-11	1.97E-11	0	0	0	0	2.682E-11	6.6971E-06	9.96597E-07	8.4661E-12	0	4.2257E-12	0
508	571070.6	4178559	0.55, 41785	4.00501	3.46908	2.98955	291.75499	122.4909	364.39166	69.10596	41.80504	75.82917	2.21E-08	2.69E-06	5.6E-07	6.81E-12	2.06E-11	1.62E-11	0	0	0	0	2.207E-11	2.6897E-06	5.59808E-07	6.96627E-12	0	3.47709E-12	0
509	571110.6	4178559	0.55, 41785	2.89394	2.70355	2.4438	288.47324	105.99812	437.78623	48.03981	36.46899	59.71453	1.8E-08	3.23E-06	4.41E-07	5.57E-12	1.68E-11	1.33E-11	0	0	0	0	1.804E-11	3.2314E-06	4.40829E-07	5.69446E-12	0	2.84229E-12	0
510	571150.6	4178559	0.55, 41785	2.21115	2.17534	2.01472	240.56187	97.79178	377.92847	31.90722	30.3701	47.66793	1.49E-08	2.79E-06	3.52E-07	4.59E-12	1.39E-11	1.09E-11	0	0	0	0	1.487E-11	2.7896E-06	3.51885E-07	4.69459E-12	0	2.34322E-12	0
511	571190.6	4178559	0.55, 41785	1.76303	1.79806	1.6955	177.14345	83.63267	264.27885	24.55859	26.34777	34.50528	1.25E-08	1.95E-06	2.55E-07	3.86E-12	1.17E-11	9.21E-12	0	0	0	0	1.252E-11	1.9507E-06	2.54721E-07	3.95074E-12	0	1.97194E-12	0
512	571230.6	4178559	0.55, 41785	1.44054	1.50665	1.43503	192.87207	80.98435	306.26039	29.09943	22.26218	51.0434	1.06E-08	2.26E-06	3.77E-07	3.27E-12	9.87E-12	7.8E-12	0	0	0	0	1.059E-11	2.2606E-06	3.76792E-07	3.3438E-12	0	1.669E-12	0
513	571270.6	4178559	0.55, 41785	1.19178	1.27042	1.20125	167.21575	71.42327	283.3883	22.32638	19.23301	35.42354	8.87E-09	2.09E-06	2.61E-07	2.74E-12	8.26E-12	6.53E-12	0	0	0	0	8.869E-12	2.0918E-06	2.61494E-07	2.79906E-12	0	1.3971E-12	0

514	571310.6	4178559	0.55, 41785	1.01245	1.08581	1.02025	169.23295	65.49002	155.67948	26.6418	16.91234	25.18935	7.53E-09	1.15E-06	1.86E-07	2.32E-12	7.02E-12	5.54E-12	0	0	0	0	7.532E-12	1.1492E-06	1.85968E-07	2.37732E-12	0	1.18659E-12	0
515	571350.6	4178559	0.55, 41785	0.8838	0.94242	0.90608	194.09519	63.64749	285.0024	28.90026	14.99354	40.61241	6.69E-09	2.1E-06	3E-07	2.06E-12	6.23E-12	4.92E-12	0	0	0	0	6.689E-12	2.1037E-06	2.99804E-07	2.11127E-12	0	1.0538E-12	0
516	571390.6	4178559	0.55, 41785	0.78025	0.82372	0.8159	158.10154	57.98385	206.74246	23.81897	12.89204	30.22211	6.02E-09	1.53E-06	2.23E-07	1.86E-12	5.61E-12	4.43E-12	0	0	0	0	6.024E-12	1.526E-06	2.23107E-07	1.90113E-12	0	9.48912E-13	0
517	571430.6	4178559	0.55, 41785	0.68512	0.72115	0.71821	137.68904	52.2569	180.06144	18.93914	11.62385	25.68604	5.3E-09	1.33E-06	1.9E-07	1.64E-12	4.94E-12	3.9E-12	0	0	0	0	5.302E-12	1.3291E-06	1.89618E-07	1.6735E-12	0	8.35295E-13	0
518	571470.6	4178559	0.55, 41785	0.60049	0.63425	0.62389	143.56241	49.93475	187.32246	19.90478	10.29716	25.60594	4.61E-09	1.38E-06	1.89E-07	1.42E-12	4.29E-12	3.39E-12	0	0	0	0	4.606E-12	1.3827E-06	1.89029E-07	1.45373E-12	0	7.25601E-13	0
519	571510.6	4178559	0.55, 41785	0.52736	0.56045	0.5447	131.02036	47.72087	167.66109	18.26486	8.99798	23.11602	4.02E-09	1.24E-06	1.71E-07	1.24E-12	3.75E-12	2.96E-12	0	0	0	0	4.021E-12	1.2376E-06	1.70648E-07	1.26921E-12	0	6.33503E-13	0
520	571550.6	4178559	0.55, 41785	0.46874	0.49944	0.48529	99.50634	45.73793	109.0385	14.05158	8.03042	15.4257	3.58E-09	8.05E-07	1.14E-07	1.11E-12	3.34E-12	2.64E-12	0	0	0	0	3.583E-12	8.0488E-07	1.1388E-07	1.13078E-12	0	5.64407E-13	0
521	571590.6	4178559	0.55, 41785	0.42104	0.44786	0.43792	63.39282	43.98321	60.02596	9.17705	7.35207	9.24249	3.23E-09	4.43E-07	6.82E-08	9.98E-13	3.01E-12	2.38E-12	0	0	0	0	3.233E-12	4.4312E-07	6.82342E-08	1.0204E-12	0	5.09314E-13	0
522	570310.6	4178599	0.55, 41785	0.10507	0.08466	0.09914	83.25071	28.48032	95.05484	11.19876	3.62883	12.56574	7.32E-10	7.02E-07	9.28E-08	2.26E-13	6.82E-13	5.39E-13	0	0	0	0	7.319E-13	7.0164E-07	9.2766E-08	2.30998E-13	0	1.15298E-13	0
523	570350.6	4178599	0.55, 41785	0.11716	0.09561	0.10985	88.57329	30.33455	103.53599	11.44069	3.79182	12.942	8.11E-10	7.64E-07	9.55E-08	2.5E-13	7.56E-13	5.97E-13	0	0	0	0	8.11E-13	7.6424E-07	9.55435E-08	2.55953E-13	0	1.27754E-13	0
524	570390.6	4178599	0.55, 41785	0.13131	0.10865	0.12235	93.2639	32.45644	112.44406	11.65799	4.05706	14.05551	9.03E-10	8.3E-07	1.04E-07	2.79E-13	8.42E-13	6.65E-13	0	0	0	0	9.032E-13	8.2999E-07	1.03762E-07	2.8508E-13	0	1.42292E-13	0
525	570430.6	4178599	0.55, 41785	0.15022	0.126	0.13878	103.53542	36.02365	122.12845	12.94193	4.50296	15.26606	1.02E-09	9.01E-07	1.13E-07	3.16E-13	9.55E-13	7.54E-13	0	0	0	0	1.025E-12	9.0147E-07	1.127E-07	3.23364E-13	0	1.61401E-13	0
526	570470.6	4178599	0.55, 41785	0.17421	0.14819	0.15942	115.63183	39.91557	131.63773	14.45398	5.34922	16.45472	1.18E-09	9.72E-07	1.21E-07	3.63E-13	1.1E-12	8.66E-13	0	0	0	0	1.177E-12	9.7167E-07	1.21476E-07	3.71458E-13	0	1.85407E-13	0
527	570510.6	4178599	0.55, 41785	0.20799	0.17912	0.18803	128.15759	44.54205	154.67263	16.0197	6.36274	19.33408	1.39E-09	1.14E-06	1.43E-07	4.28E-13	1.29E-12	1.02E-12	0	0	0	0	1.388E-12	1.1417E-06	1.42731E-07	4.38124E-13	0	2.18682E-13	0
528	570550.6	4178599	0.55, 41785	0.25382	0.22088	0.22625	141.74172	51.90419	182.47104	17.71771	7.41488	22.80888	1.67E-09	1.35E-06	1.68E-07	5.15E-13	1.56E-12	1.23E-12	0	0	0	0	1.67E-12	1.3469E-06	1.6838E-07	5.27182E-13	0	2.63134E-13	0
529	570590.6	4178599	0.55, 41785	0.31442	0.27626	0.27638	161.8077	62.94071	207.9054	20.22596	8.27119	25.98817	2.04E-09	1.53E-06	1.92E-07	6.3E-13	1.9E-12	1.5E-12	0	0	0	0	2.04E-12	1.5346E-06	1.91851E-07	6.43994E-13	0	3.21438E-13	0
530	570630.6	4178599	0.55, 41785	0.39904	0.35395	0.34775	187.04764	77.01967	233.41259	23.38095	12.20463	29.17657	2.57E-09	1.72E-06	2.15E-07	7.92E-13	2.39E-12	1.89E-12	0	0	0	0	2.567E-12	1.7229E-06	2.15389E-07	8.10297E-13	0	4.04445E-13	0
531	570670.6	4178599	0.55, 41785	0.52025	0.46779	0.4567	203.91154	89.67976	314.96286	27.18561	17.16092	39.37036	3.37E-09	2.32E-06	2.91E-07	1.04E-12	3.14E-12	2.48E-12	0	0	0	0	3.372E-12	2.3248E-06	2.90634E-07	1.06416E-12	0	5.31158E-13	0
532	570710.6	4178599	0.55, 41785	0.68748	0.63563	0.62617	226.5911	101.22552	383.25212	32.37016	22.387	47.90652	4.62E-09	2.83E-06	3.54E-07	1.43E-12	4.31E-12	3.4E-12	0	0	0	0	4.623E-12	2.8289E-06	3.53647E-07	1.45904E-12	0	7.28255E-13	0
533	570750.6	4178599	0.55, 41785	0.91976	0.89022	0.88415	243.41497	114.05895	499.75889	34.77357	31.00996	69.4997	6.53E-09	3.69E-06	5.13E-07	2.01E-12	6.08E-12	4.8E-12	0	0	0	0	6.527E-12	3.6888E-06	5.13023E-07	2.06016E-12	0	1.02829E-12	0
534	570790.6	4178599	0.55, 41785	1.20615	1.22781	1.16033	261.32328	130.44037	537.17009	39.31654	39.06207	73.65107	8.57E-09	3.96E-06	5.44E-07	2.64E-12	7.98E-12	6.3E-12	0	0	0	0	8.566E-12	3.965E-06	5.43672E-07	2.70372E-12	0	1.34951E-12	0
535	570830.6	4178599	0.55, 41785	1.86035	2.06593	1.53512	307.79075	158.37727	606.96091	57.33573	51.17396	80.52216	1.13E-08	4.48E-06	5.94E-07	3.5E-12	1.06E-11	8.34E-12	0	0	0	0	1.133E-11	4.4801E-06	5.94422E-07	3.5773E-12	0	1.78554E-12	0
536	570870.6	4178599	0.55, 41785	2.81953	3.8452	1.88016	429.66876	238.19724	679.18896	77.96533	87.47681	90.64703	1.39E-08	5.01E-06	6.69E-07	4.28E-12	1.29E-11	1.02E-11	0	0	0	0	1.388E-11	5.0134E-06	6.69192E-07	4.38214E-12	0	2.18727E-12	0
537	570910.6	4178599	0.55, 41785	4.21414	6.38342	2.32175	555.65098	273.48442	945.27353	124.98504	103.73159	124.24769	1.71E-08	6.98E-06	9.17E-07	5.29E-12	1.6E-11	1.26E-11	0	0	0	0	1.715E-11	6.9773E-06	9.17282E-07	5.41235E-12	0	2.70148E-12	0
538	570950.6	4178599	0.55, 41785	4.59898	4.54538	2.28746	563.80012	195.03038	769.06119	96.52509	58.5202	125.1466	1.69E-08	5.68E-06	9.24E-07	5.21E-12	1.57E-11	1.24E-11	0	0	0	0	1.689E-11	5.6766E-06	9.23859E-07	5.33144E-12	0	2.66109E-12	0
539	570990.6	4178599	0.55, 41785	3.82228	3.4158	2.10211	387.45867	157.86758	722.29473	74.93195	45.58999	97.36969	1.55E-08	5.33E-06	7.19E-07	4.79E-12	1.45E-11	1.14E-11	0	0	0	0	1.552E-11	5.3314E-06	7.18803E-07	4.89898E-12	0	2.44524E-12	0
540	571030.6	4178599	0.55, 41785	3.02247	2.69987	1.99871	442.17309	124.03841	776.22539	67.82636	38.72372	97.59907	1.48E-08	5.73E-06	7.2E-07	4.55E-12	1.37E-11	1.09E-11	0	0	0	0	1.476E-11	5.7294E-06	7.20482E-07	4.65765E-12	0	2.32478E-12	0
541	571070.6	4178599	0.55, 41785	2.43201	2.20804	1.81695	323.32852	105.96293	523.5768	49.87717	32.54487	75.45431	1.34E-08	3.86E-06	5.57E-07	4.14E-12	1.25E-11	9.87E-12	0	0	0	0	1.341E-11	3.8646E-06	5.57003E-07	4.23393E-12	0	2.11329E-12	0
542	571110.6	4178599	0.55, 41785	1.9361	1.83698	1.53551	285.52756	89.63178	395.42144	42.26506	28.59229	57.87538	1.13E-08	2.92E-06	4.27E-07	3.5E-12	1.06E-11	8.34E-12	0	0	0	0	1.134E-11	2.9187E-06	4.27243E-07	3.57808E-12	0	1.78593E-12	0
543	571150.6	4178599	0.55, 41785	1.58315	1.55537	1.34493	182.41041	88.91432	301.39134	29.75311	25.20352	37.67392	9.93E-09	2.22E-06	2.78E-07	3.06E-12	9.25E-12	7.31E-12	0	0	0	0	9.93E-12	2.2247E-06	2.78118E-07	3.13395E-12	0	1.56425E-12	0
544	571190.6	4178599	0.55, 41785	1.33739	1.33597	1.20735	189.26194	77.8274	237.13522	24.55337	21.99349	31.52399	8.91E-09	1.75E-06	2.33E-07	2.75E-12	8.31E-12	6.56E-12	0	0	0	0	8.914E-12	1.7504E-06	2.32717E-07	2.81332E-12	0	1.40422E-12	0
545	571230.6	4178599	0.55, 41785	1.14183	1.1549	1.07779	177.02423	70.01737	247.02933	25.42204	18.83046	36.19826	7.96E-09	1.82E-06	2.67E-07	2.46E-12	7.41E-12	5.86E-12	0	0	0	0	7.957E-12	1.8234E-06	2.67218E-07	2.5114E-12	0	1.25352E-12	0
546	571270.6	4178599	0.55, 41785	0.97959	1.00523	0.95378	160.46118	68.49541	236.51718	22.92303	16.81937	33.9008	7.04E-09	1.75E-06	2.5E-07	2.17E-12	6.56E-12	5.18E-12	0	0	0	0	7.042E-12	1.7458E-06	2.50256E-07	2.22243E-12	0	1.10928E-12	0
547	571310.6	4178599	0.55, 41785	0.84011	0.87488	0.82502	131.92842	62.86665	193.55215	16.49105	15.16442	24.19402	6.09E-09	1.43E-06	1.79E-07	1.88E-12	5.68E-12	4.48E-12	0	0	0	0	6.091E-12	1.4287E-06	1.78601E-07	1.9224E-12	0	9.59533E-13	0
548	571350.6	4178599	0.55, 41785	0.73896	0.77159	0.73066	149.85158	58.69155	153.82017	22.55392	13.49962	22.49489	5.39E-09	1.14E-06	1.66E-07	1.66E-12	5.03E-12	3.97E-12	0	0	0	0	5.394E-12	1.1354E-06	1.66073E-07	1.70253E-12	0	8.49787E-13	0
549	571390.6	4178599	0.55, 41785	0.661	0.68563	0.66671	168.50279	56.32456	235.09945	24.41155	12.10471	32.40344	4.92E-09	1.74E-06	2.39E-07	1.52E-12	4.59E-12	3.62E-12	0	0	0	0	4.922E-12	1.7353E-06	2.39208E-07	1.55351E-12	0	7.75405E-13	0
550	571430.6	4178599	0.55, 41785	0.59511	0.61204	0.61151	136.17098	51.76249	171.68803	20.03651	10.61326	24.28892	4.51E-09	1.27E-06	1.79E-07	1.39E-12	4.21E-12	3.32E-12	0	0	0	0	4.515E-12	1.2673E-06	1.79309E-07	1.42487E-12	0	7.112E-13	0
551	571470.6	4178599	0.55, 41785	0.53051	0.54561	0.54811	117.9441	47.17442	154.11151	16.84916	9.40387	22.01593	4.05E-09	1.14E-06	1.63E-07	1.25E-12	3.77E-12	2.98E-12	0	0	0	0	4.047E-12	1.1376E-06	1.62526E-07	1.27714E-12	0	6.37464E-13	0
552	571510.6	4178599	0.55, 41785	0.47218	0.48877	0.48576	120.07824	45.51387	145.12306	16.38718	8.49605	19.65912	3.59E-09	1.07E-06	1.45E-07	1.11E-12	3.34E-12	2.64E-12	0	0	0	0	3.586E-12	1.0712E-06	1.4513E-07	1.13187E-12	0	5.64951E-13	0
553	571550.6	4178599	0.55, 41785	0.42043	0.43954	0.43052	119.99429	43.92883	151.34582	16.43506	7.56489	20.5622	3.18E-09	1.12E-06	1.52E-07	9.81E-13	2.96E-12	2.34E-12	0	0	0	0	3.178E-12	1.1171E-06	1.51796E-07	1.00316E-12	0	5.00707E-13	0
554	571590.6	4178599	0.55, 41785	0.37632	0.39688	0.38556	100.33698	42.40478	116.86516	13.86046	7.00095	16.11187	2.85E-09	8.63E-07	1.19E-07	8.78E-13	2.65E-12	2.09E-12	0	0	0	0	2.846E-12	8.6264E-07	1.18944E-07	8.98397E-13	0	4.48419E-13	0
555	570310.6	4178639	0.55, 41786	0.10356	0.08559	0.09711	83.92303	29.66661	96.15389	10.49038	3.70833	12.01924	7.17E-10	7.1E-07	8.87E-08	2.21E-13	6.68E-13	5.28E-13	0	0	0	0	7.169E-13	7.0975E-07	8.8731E-08	2.26269E-13	0	1.12938E-13	0
556	570350.6	4178639	0.55, 41786	0.1161	0.09716	0.10841	92.63397	32.60646	103.61771	11.57925	4.08084	12.95221	8E-10	7.65E-07	9.56E-08	2.47E-13	7.46E-13	5.89E-13	0	0	0	0	8.003E-13	7.6484E-07	9.56192E-08	2.52599E-13	0	1.2608E-13	0
557	570390.6	4178639	0.55, 41786	0.13068	0.11086	0.1215	100.54346	34.97331	116.66288	12.56793	4.70976	14.58286	8.97E-10	8.61E-07	1.08E-07	2.77E-13	8.36E-13	6.6E-13	0	0	0	0	8.97E-13	8.6113E-07	1.07656E-07	2.83101E-13	0	1.41305E-13	0
558	570430.6	4178639	0.55, 41786	0.14929	0.12834	0.13819	107.49924	37.52244	130.89362	13.4374	5.36035	16.3617	1.02E-09	9.66E-07	1.21E-07	3.15E-13	9.51E-13	7.51E-13	0	0	0	0	1.02E-12	9.6617E-07	1.20787E-07	3.21991E-13	0	1.60716E-13	0
559	570470.6	4178639	0.55, 41786	0.17443	0.15183	0.16061	116.62505	42.4162	145.19757	14.57813	6.05946	18.1497	1.19E-09	1.07E-06	1.34E-07	3.66E-13	1.1E-12	8.73E-13	0	0	0	0	1.186E-12	1.0718E-06	1.33986E-07	3.74232E-13	0	1.86791E-13	0
560	570510.6	4178639	0.55, 41786	0.20768	0.18277	0.19013	127.00459	48.18252	156.06863	15.87557	6.71257	19.50858	1.4E-09	1.15E-06	1.44E-07	4.33E-13	1.31E-12	1.03E-12	0	0	0	0	1.404E-12	1.152E-06	1.44018E-07	4.43018E-13	0	2.21124E-13	0
561	570550.6	4178639	0.55, 41786	0.2504	0.22269	0.22841	148.76746	59.99627	172.72318	18.59593	7.58374	21.5904	1.69E-09	1.27E-06	1.59E-07	5.2E-13	1.57E-12	1.24E-12	0	0	0	0	1.686E-12	1.2749E-06	1.59389E-07	5.32215E-13	0	2.65645E-13	0
562	570590.6	4178639	0.55, 41786	0.30521	0.27478	0.27907	162.38276	69.4472	222.88998	20.29784	10.74133	27.86125	2.06E-09	1.65E-06	2.06E-07	6.36E-13	1.92E-12	1.52E-12	0	0	0	0	2.06E-12	1.6452E-06	2.05675E-07	6.50258E-13	0	3.24565E-13	0
563	570630.6	4178639	0.55, 41786	0.37839	0.34592	0.35098	177.15033	78.68271	266.26636	23.7109	14.16715	33.28329	2.59E-09	1.97E-06	2.46E-07	8E-13	2.41E-12	1.91E-12	0	0	0	0	2.591E-12	1.9654E-06	2.457E-07	8.17815E-13	0	4.08198E-13	0
564	570670.6	4178639	0.55, 41786	0.47152	0.44129	0.44999	194.04584	86.02037	313.51443	27.72083	17.24466	39.1893	3.32E-09	2.31E-06	2.89E-07	1.03E-12	3.1E-12	2.45E-12	0	0	0	0	3.322E-12	2.3141E-06	2.89299E-07	1.04852E-12	0	5.23347E-13	0
565	570710.6	4178639	0.55, 41786	0.59058	0.57043	0.57865	207.44684	93.90742	372.29223	29.63526	21.88085	53.1846	4.27E-09	2.75E-06	3.93E-07	1.32E-12	3.98E-12	3.14E-12	0	0	0	0	4.272E-12	2.748E-06	3.92597E-07	1.3483E-12	0	6.72982E-13	0
566	570750.6	4178639	0.55, 41786	0.7421	0.74424	0.7234	219.27007	107.04803	379.32522	31.3243	27.05481	52.15596	5.34E-09	2.8E-06	3.85E-07	1.65E-12	4.98E-12	3.93E-12	0	0	0	0	5.341E-12	2.7999E-06	3.85008E-07	1.6856E-12	0	8.41338E-13	0
567	570790.6	4178639	0.55, 41786	0.94425	0.97087	0.85006	237.37937	117.94026	412.19598	33.01145	30.70173	55.76703	6.28E-09	3.04E-06	4.12E-07	1.94E-12	5.85E-12	4.62E-12	0	0	0	0	6.276E-12	3.0425E-06	4.11664E-07	1.98079E-12	0	9.88678E-13	0
568	570830.6	4178639	0.55, 41786	1.23329	1.33292	0.96284	295.25944	130.22679	473.13116	42.69044	39.99654	61.26658	7.11E-09	3.49E-06	4.52E-07	2.19E-12	6.62E-12	5.23E-12	0	0	0	0	7.109E-12	3.4923E-06	4.52274E-07	2.24374E-12	0	1.11992E-12	0
569	570870.6	4178639	0.55, 41786	1.50989	1.73214	1.20169	317.24906	188.19869	615.93486	58.25942	53.82297	76.99186	8.87E-09	4.55E-06	5.68E-07	2.74E-12	8.27E-12	6.53E-12	0	0	0	0	8.873E-12	4.5464E-06	5.68368E-07	2.80037E-12	0	1.39776E-12	0
570	570910.6	4178639	0.55, 41786	1.78259	1.99297	1.30656	332.58479	179.86407	638.76492	63.94152	52.98497	79.84561	9.65E-09	4.71E-06	5.89E-07	2.98E-12	8.99E-12	7.1E-12	0	0	0	0	9.647E-12	4.7149E-06	5.89442E-07	3.04483E-12	0	1.51977E-12	0
571	570950.6	4178639	0.55, 41786	1.86524	1.94862	1.2876	326.77204	147.92341	425.10208	57.64661	41.4452	82.66786	9.51E-09	3.14E-06	6.1E-07	2.93E-12	8.86E-12	7E-12	0	0	0	0	9.507E-12	3.1379E-06	6.10259E-07	3.00065E-12	0	1.49772E-12	0
572	570990.6	4178639	0.55, 41786	1.76592	1.78245	1.25006	311.73236	122.31574	573.48464	43.80696	33.57582	91.70195	9.23E-09	4.23E-06	6.77E-07	2.85E-12	8.6E-12	6.79E-12	0	0	0	0	9.23E-12	4.233E-06	6.76909E-07	2.9131E-12	0	1.45402E-12	0
573	571030.6	4178639	0.55, 41786	1.5977	1.58915	1.17717	263.38378	106.70114	334.97263	40.88022	26.80487	57.79917	8.69E-09	2.47E-06	4.27E-07	2.68E-12	8.1E-12	6.4E-12	0	0	0	0	8.691E-12	2.4726E-06	4.26678E-07	2.74318E-12	0	1.36921E-12	0
574	571070.6	4178639	0.55, 41786	1.42629	1.41473	1.18099	323.91584	92.06505	516.79706	44.84431	24.93328	64.76299	8.72E-09	3.81E-06	4.78E-07	2.69E-12	8.12E-12	6.42E-12	0	0	0	0	8.719E-12	3.8145E-06	4.78084E-07	2.75197E-12	0	1.37359E-12	0
575	571110.6	4178639	0.55, 41786	1.27265	1.25146	1.07066	231.49813	85.11921	353.08688	34.4516	22.95032	48.16161	7.9E-09	2.61E-06	3.56E-07	2.44E-12	7.37E-12	5.82E-12	0	0	0	0	7.905E-12	2.6062E-06	3.55534E-07	2.49485E-12	0	1.24526E-12	0
576	571150.6	4178639	0.55, 41786	1.10067	1.1079	0.9372	235.36335	78.49538	345.02109	33.92291	20.75102	48.66179	6.92E-09	2.55E-06	3.59E-07	2.14E-12	6.45E-12	5.09E-12	0	0	0	0	6.919E-12	2.5467E-06	3.59224E-07	2.18387E-12	0	1.09004E-12	0
577	571190.6	4178639	0.55, 41786	0.96404	0.98605	0.85109	150.10185	73.9658	197.92558	22.00887	18.66835	28.93746	6.28E-09	1.46E-06	2.14E-07	1.94E-12	5.85E-12	4.62E-12	0	0	0	0	6.284E-12	1.461E-06	2.13622E-07	1.9832E-12	0	9.89881E-13	0
578	571230.6	4178639	0.55, 41786	0.85847	0.87787	0.78438	130.71922	65.23747	181.52397	20.98447	16.26127	28.21366	5.79E-09	1.34E-06	2.08E-07	1.79E-12	5.4E-12	4.26E-12	0	0	0	0	5.791E-12	1.3399E-06	2.08278E-07	1.82774E-12	0	9.12282E-13	0
579	571270.6	4178639	0.55, 41786	0.76521	0.78388	0.72231	147.71702	61.52416	210.17535	22.46264	14.29709	35.02922	5.33E-09	1.55E-06	2.59E-07	1.65E-12	4.97E-12	3.92E-12	0	0	0	0	5.333E-12	1.5514E-06	2.58584E-07	1.68309E-12	0	8.40083E-13	0
580	571310.6	4178639	0.55, 41786	0.67814	0.70066	0.65218	136.41117	59.8434	199.34802	17.34958	13.40052	24.9185	4.81E-09	1.47E-06	1.84E-07	1.49E-12	4.49E-12	3.54E-12	0	0	0	0	4.815E-12	1.4715E-06	1.8395E-07	1.51967E-12	0	7.58516E-13	0
581	571350.6	4178639	0.55, 41786	0.60279	0.6273	0.58324	124.67819	56.4143	162.56927	15.58477	12.33978	20.32116	4.31E-09	1.2E-06	1.5E-07	1.33E-12	4.01E-12	3.17E-12	0	0	0	0	4.306E-12	1.2E-06	1.50015E-07	1.35903E-12	0	6.78335E-13	0
582	571390.6	4178639	0.55, 41786	0.54567	0.56561	0.53406	134.64293	53.30447	146.45838	19.4501	11.04071	20.47738	3.94E-09	1.08E-06	1.51E-07	1.22E-12	3.67E-12	2.9E-12	0	0	0	0	3.943E-12	1.0811E-06	1.51176E-07	1.24443E-12	0	6.21134E-13	0
583	571430.6	4178639	0.55, 41786	0.50035	0.51255	0.49968	147.79016	50.85435	197.85336	20.77571	9.97795	26.64502	3.69E-09	1.46E-06	1.97E-07	1.14E-12	3.44E-12	2.72E-12	0	0	0	0	3.689E-12	1.4604E-06	1.967E-07	1.16431E-12	0	5.81144E-13	0
584	571470.6	4178639	0.55, 41786	0.45884	0.46513	0.46599	118.76181	47.03177	145.5886	16.94782	8.9119	19.9832	3.44E-09	1.07E-06	1.48E-07	1.06E-12	3.21E-12	2.53E-12	0	0	0	0	3.44E-12	1.0746E-06	1.47523E-07	1.0858E-12	0	5.41957E-13	0
585	571510.6	4178639	0.55, 41786	0.41516	0.4204	0.42431	105.04191	43.02213	132.76114	15.00599	7.61313	18.96588	3.13E-09	9.8E-07	1.4E-07	9.67E-13	2.92E-12	2.31E-12	0	0	0	0	3.133E-12	9.7996E-07	1.40011E-07	9.88679E-13	0	4.93481E-13	0
586	571550.6	4178639	0.55, 41786	0.37489	0.38245	0.3824	101.59712	41.64808	125.74417	13.25702	7.0054	15.71802	2.82E-09	9.28E-07	1.16E-07	8.71E-13	2.63E-12	2.08E-12	0	0	0	0	2.823E-12	9.2817E-07	1.16036E-07	8.91027E-13	0	4.4474E-13	0
587	571590.6	4178639	0.55, 41786	0.33863	0.34937	0.34405	106.83121	40.48294	130.44071	14.45913	6.53587	17.55635	2.54E-09	9.63E-07	1.3E-07	7.84E-13	2.37E-12	1.87E-12	0	0	0	0	2.54E-12	9.6283E-07	1.29607E-07	8.01671E-13	0	4.0014E-13	0
588	570310.6	4178679	0.55, 41786	0.10291	0.0869	0.09701	88.39628	30.98258	103.31105	11.04953	4.21243	12.91388	7.16E-10	7.63E-07	9.53E-08	2.21E-13	6.67E-13	5.27E-13	0	0	0	0	7.162E-13	7.6258E-07	9.53352E-08	2.26037E-13	0	1.12822E-13	0
589	570350.6	4178679	0.55, 41786	0.11574	0.09888	0.10892	93.23081	33.32166	112.3331	11.65385	4.76024	14.04164	8.04E-10	8.29E-07	1.04E-07	2.48E-13	7.49E-13	5.92E-13	0	0	0	0	8.041E-13	8.2917E-07	1.0366E-07	2.53788E-13	0	1.26674E-13	0
590	570390.6	4178679	0.55, 41786	0.13137	0.11361	0.12342	99.39798	36.831	119.21549	12.42475	5.26157	14.90194	9.11E-10	8.8E-07	1.1E-07	2.81E-13	8.49E-13	6.71E-13	0	0	0	0	9.112E-13	8.7998E-07	1.10011E-07	2.87575E-13	0	1.43538E-13	0
591	570430.6	4178679	0.55, 41786	0.15074	0.13191	0.14135	105.99103	39.73692	126.723	13.24888	5.6767	15.84037	1.04E-09	9.35E-07	1.17E-07	3.22E-13	9.72E-13	7.68E-13	0	0	0	0	1.044E-12	9.3539E-07	1.16939E-07	3.29354E-13	0	1.64391E-13	0
592	570470.6	4178679	0.55, 41786	0.17494	0.15487	0.16378	121.69462	47.75873	135.7735	15.21183	5.96984	16.97169	1.21E-09	1E-06	1.25E-07	3.73E-13	1.13E-12	8.9E-13	0	0	0	0	1.209E-12	1.0022E-06	1.25293E-07	3.81618E-13	0	1.90478E-13	0
593	570510.6	4178679	0.55, 41786	0.2057	0.18414	0.19253	135.37794	56.46386	170.3708	16.92224	7.12807	21.29635	1.42E-09	1.26E-06	1.57E-07	4.39E-13	1.32E-12	1.05E-12	0	0	0	0	1.421E-12	1.2576E-06	1.57215E-07	4.48609E-13	0	2.23915E-13	0
594	570550.6	4178679	0.55, 41786	0.2434	0.22078	0.22908	142.10791	62.60325	200.29273	17.76349	9.55219	25.03659	1.69E-09	1.48E-06	1.85E-07	5.22E-13	1.58E-12	1.24E-12	0	0	0	0	1.691E-12	1.4784E-06	1.84822E-07	5.33774E-13	0	2.66424E-13	0
595	570590.6	4178679	0.55, 41786	0.29132	0.2684	0.27784	157.44437	70.02377	210.9671	21.20731	12.01595	26.37089	2.05E-09	1.56E-06	1.95E-07	6.33E-13	1.91E-12	1.51E-12	0	0	0	0	2.051E-12	1.5572E-06	1.94677E-07	6.47389E-13	0	3.23132E-13	0
596	570630.6	4178679	0.55, 41786	0.34871	0.32823	0.33909	170.78411	74.6949	263.98396	24.39773	14.09383	33.40233	2.5E-09	1.95E-06	2.47E-07	7.72E-13	2.33E-12	1.84E-12	0	0	0	0	2.503E-12	1.9485E-06	2.4658E-07	7.90106E-13	0	3.94367E-13	0
597	570670.6	4178679	0.55, 41786	0.41782	0.40379	0.41108	181.29369	80.27499	295.25985	25.8991	15.99045	42.12286	3.03E-09	2.18E-06	3.11E-07	9.36E-13	2.83E-12	2.23E-12	0	0	0	0	3.035E-12	2.1794E-06	3.10947E-07	9.57851E-13	0	4.78094E-13	0
598	570710.6	4178679	0.55, 41786	0.49876	0.49687	0.48618	185.88712	90.92914	287.65142	26.5553	19.21501	39.31628	3.59E-09	2.12E-06	2.9E-07	1.11E-12	3.34E-12	2.64E-12	0	0	0	0	3.589E-12	2.1233E-06	2.90233E-07	1.13285E-12	0	5.65443E-13	0
599	570750.6	4178679	0.55, 41786	0.59336	0.60818	0.55751	195.07014	97.11431	330.72411	27.40212	20.89244	45.57898	4.12E-09	2.44E-06	3.36E-07	1.27E-12	3.83E-12	3.03E-12	0	0	0	0	4.116E-12	2.4412E-06	3.36458E-07	1.29908E-12	0	6.48413E-13	0
600	570790.6	4178679	0.55, 41786	0.71288	0.74367	0.61675	232.56486	100.08812	327.08033	29.70634	25.09865	40.88504	4.55E-09	2.41E-06	3.02E-07	1.41E-12	4.24E-12	3.35E-12	0	0	0	0	4.554E-12	2.4143E-06	3.01818E-07	1.43716E-12	0	7.17335E-13	0
601	570830.6	4178679	0.55, 41786	0.82835	0.8948	0.66469	250.25968	113.32691	367.70207	36.36599	33.16876	46.21837	4.91E-09	2.71E-06	3.41E-07	1.51E-12	4.57E-12	3.61E-12	0	0	0	0	4.908E-12	2.7141E-06	3.41195E-07	1.54893E-12	0	7.73122E-13	0
602	570870.6	4178679	0.55, 41786	0.92801	1.04065	0.83445	269.45277	158.88347	492.55659	39.41339	35.15016	62.53118	6.16E-09	3.64E-06	4.62E-07	1.9E-12	5.74E-12	4.53E-12	0	0	0	0	6.161E-12	3.6357E-06	4.61601E-07	1.94447E-12	0	9.70548E-13	0
603	570910.6	4178679	0.55, 41786	1.03394	1.13081	0.83809	259.70616	144.94226	471.11442	42.20689	35.5523	58.8893	6.19E-09	3.48E-06	4.35E-07	1.91E-12	5.77E-12	4.55E-12	0	0	0	0	6.188E-12	3.4774E-06	4.34727E-07	1.95301E-12	0	9.74809E-13	0
604	570950.6	4178679	0.55, 41786	1.05684	1.13643	0.82319	242.80014	123.49716	418.67106	39.92153	30.15323	58.18912	6.08E-09	3.09E-06	4.3E-07	1.88E-12	5.66E-12	4.47E-12	0	0	0	0	6.078E-12	3.0903E-06	4.29554E-07	1.9183E-12	0	9.57487E-13	0
605	570990.6	4178679	0.55, 41786	1.01802	1.09421	0.82722	255.86386	105.93706	407.98363	37.15781	26.85338	67.99727	6.11E-09	3.01E-06	5.02E-07	1.88E-12	5.69E-12	4.5E-12	0	0	0	0	6.108E-12	3.0114E-06	5.01939E-07	1.92767E-12	0	9.6216E-13	0
606	571030.6	4178679	0.55, 41786	0.98373	1.03259	0.8073	224.24787	96.85684	406.17161	32.03518	21.71644	50.77145	5.96E-09	3E-06	3.75E-07	1.84E-12	5.55E-12	4.39E-12	0	0	0	0	5.96E-12	2.998E-06	3.74791E-07	1.88123E-12	0	9.3898E-13	0
607	571070.6	4178679	0.55, 41786	0.92088	0.95493	0.77727	234.21131	81.25508	306.97474	29.84103	18.74017	38.37184	5.74E-09	2.27E-06	2.83E-07	1.77E-12	5.35E-12	4.22E-12	0	0	0	0	5.739E-12	2.2659E-06	2.8327E-07	1.81122E-12	0	9.04039E-13	0
608	571110.6	4178679	0.55, 41786	0.85296	0.87816	0.75636	249.82687	76.90023	376.11255	32.83771	18.41049	47.06858	5.58E-09	2.78E-06	3.47E-07	1.72E-12	5.2E-12	4.11E-12	0	0	0	0	5.584E-12	2.7761E-06	3.47463E-07	1.76247E-12	0	8.79703E-13	0
609	571150.6	4178679	0.55, 41786	0.78449	0.80428	0.7091	184.12399	71.8753	265.86204	26.94504	17.68151	37.98029	5.24E-09	1.96E-06	2.8E-07	1.62E-12	4.88E-12	3.85E-12	0	0	0	0	5.235E-12	1.9624E-06	2.80374E-07	1.65233E-12	0	8.2473E-13	0
610	571190.6	4178679	0.55, 41786	0.70872	0.73542	0.64227	192.12547	69.23049	267.93218	27.25383	16.04767	37.1098	4.74E-09	1.98E-06	2.74E-07	1.46E-12	4.42E-12	3.49E-12	0	0	0	0	4.742E-12	1.9777E-06	2.7395E-07	1.49661E-12	0	7.47004E-13	0
611	571230.6	4178679	0.55, 41786	0.64141	0.6715	0.58509	152.95792	62.82263	210.7281	21.78847	14.44714	29.62503	4.32E-09	1.56E-06	2.19E-07	1.33E-12	4.02E-12	3.18E-12	0	0	0	0	4.32E-12	1.5555E-06	2.18696E-07	1.36337E-12	0	6.805E-13	0
612	571270.6	4178679	0.55, 41786	0.5854	0.61191	0.54631	124.65244	57.66905	171.62004	20.54509	12.75642	28.60334	4.03E-09	1.27E-06	2.11E-07	1.24E-12	3.76E-12	2.97E-12	0	0	0	0	4.033E-12	1.2668E-06	2.11153E-07	1.27299E-12	0	6.35392E-13	0
613	571310.6	4178679	0.55, 41786	0.53447	0.5582	0.50849	125.80787	55.1913	171.33448	17.97255	11.70277	24.47635	3.75E-09	1.26E-06	1.81E-07	1.16E-12	3.5E-12	2.76E-12	0	0	0	0	3.754E-12	1.2647E-06	1.80688E-07	1.18486E-12	0	5.91401E-13	0
614	571350.6	4178679	0.55, 41786	0.48504	0.50906	0.46427	111.39997	53.56601	157.83086	13.925	11.19981	19.72886	3.43E-09	1.17E-06	1.46E-07	1.06E-12	3.19E-12	2.52E-12	0	0	0	0	3.428E-12	1.165E-06	1.4564E-07	1.08182E-12	0	5.39971E-13	0
615	571390.6	4178679	0.55, 41786	0.44312	0.4655	0.42576	107.51836	51.27371	117.14548	13.43979	10.40254	14.64318	3.14E-09	8.65E-07	1.08E-07	9.7E-13	2.93E-12	2.31E-12	0	0	0	0	3.143E-12	8.6473E-07	1.08103E-07	9.92085E-13	0	4.95181E-13	0
616	571430.6	4178679	0.55, 41786	0.41031	0.42684	0.39928	122.12368	48.88835	136.65658	17.23844	9.36082	18.91196	2.95E-09	1.01E-06	1.4E-07	9.1E-13	2.75E-12	2.17E-12	0	0	0	0	2.948E-12	1.0087E-06	1.39617E-07	9.30376E-13	0	4.64381E-13	0
617	571470.6	4178679	0.55, 41786	0.38401	0.39267	0.38101	130.83453	46.56818	169.29762	18.03085	8.50414	22.62935	2.81E-09	1.25E-06	1.67E-07	8.68E-13	2.62E-12	2.07E-12	0	0	0	0	2.813E-12	1.2496E-06	1.67056E-07	8.87796E-13	0	4.43127E-13	0
618	571510.6	4178679	0.55, 41786	0.35733	0.36026	0.36021	104.69184	43.30646	125.50481	14.57371	7.68103	16.95061	2.66E-09	9.26E-07	1.25E-07	8.21E-13	2.48E-12	1.96E-12	0	0	0	0	2.659E-12	9.2641E-07	1.25136E-07	8.39323E-13	0	4.18933E-13	0
619	571550.6	4178679	0.55, 41786	0.32923	0.33046	0.33426	93.91251	40.06683	115.0705	13.41607	6.60436	16.43864	2.47E-09	8.49E-07	1.21E-07	7.61E-13	2.3E-12	1.82E-12	0	0	0	0	2.468E-12	8.4939E-07	1.21355E-07	7.78855E-13	0	3.88751E-13	0
620	571590.6	4178679	0.55, 41786	0.30119	0.30402	0.3057	90.51235	37.8645	108.48539	11.49242	5.95997	13.56067	2.26E-09	8.01E-07	1E-07	6.96E-13	2.1E-12	1.66E-12	0	0	0	0	2.257E-12	8.0078E-07	1.0011E-07	7.12308E-13	0	3.55536E-13	0
621	570310.6	4178719	0.55, 41787	0.10285	0.08839	0.09803	86.08959	31.99227	98.88317	10.7612	4.57032	12.3604	7.24E-10	7.3E-07	9.12E-08	2.23E-13	6.74E-13	5.33E-13	0	0	0	0	7.237E-13	7.299E-07	9.12496E-08	2.28414E-13	0	1.14009E-13	0
622	570350.6	4178719	0.55, 41787	0.11563	0.10049	0.11012	90.6137	34.18211	105.82439	11.32671	4.88316	13.22805	8.13E-10	7.81E-07	9.77E-08	2.51E-13	7.57E-13	5.98E-13	0	0	0	0	8.13E-13	7.8113E-07	9.76545E-08	2.56585E-13	0	1.2807E-13	0
623	570390.6	4178719	0.55, 41787	0.13114	0.11521	0.12472	102.01088	38.97546	110.90458	12.75136	5.08393	13.86307	9.21E-10	8.19E-07	1.02E-07	2.84E-13	8.58E-13	6.78E-13	0	0	0	0	9.208E-13	8.1864E-07	1.02344E-07	2.90604E-13	0	1.4505E-13	0
624	570430.6	4178719	0.55, 41787	0.15	0.13322	0.1425	114.28488	46.41789	135.81295	14.28561	5.80224	16.97662	1.05E-09	1E-06	1.25E-07	3.25E-13	9.8E-13	7.74E-13	0	0	0	0	1.052E-12	1.0025E-06	1.25327E-07	3.32033E-13	0	1.65729E-13	0
625	570470.6	4178719	0.55, 41787	0.17288	0.1553	0.16447	122.16306	52.59309	158.80652	15.27038	6.67803	19.85082	1.21E-09	1.17E-06	1.47E-07	3.75E-13	1.13E-12	8.94E-13	0	0	0	0	1.214E-12	1.1722E-06	1.46543E-07	3.83226E-13	0	1.9128E-13	0
626	570510.6	4178719	0.55, 41787	0.1999	0.18201	0.19124	126.87173	56.8638	170.00598	15.85897	8.56143	21.25075	1.41E-09	1.25E-06	1.57E-07	4.36E-13	1.32E-12	1.04E-12	0	0	0	0	1.412E-12	1.2549E-06	1.56876E-07	4.45602E-13	0	2.22414E-13	0
627	570550.6	4178719	0.55, 41787	0.2328	0.21534	0.22528	141.7684	62.68438	190.3461	19.27806	10.36338	23.79326	1.66E-09	1.41E-06	1.76E-07	5.13E-13	1.55E-12	1.22E-12	0	0	0	0	1.663E-12	1.405E-06	1.75649E-07	5.24918E-13	0	2.62003E-13	0
628	570590.6	4178719	0.55, 41787	0.2704	0.25529	0.2651	152.6333	65.86327	220.26265	21.80476	11.76563	29.62209	1.96E-09	1.63E-06	2.19E-07	6.04E-13	1.82E-12	1.44E-12	0	0	0	0	1.957E-12	1.6258E-06	2.18674E-07	6.17702E-13	0	3.08315E-13	0
629	570630.6	4178719	0.55, 41787	0.31352	0.30328	0.30884	160.25221	70.5161	243.59554	22.89317	12.52474	34.32359	2.28E-09	1.8E-06	2.53E-07	7.04E-13	2.12E-12	1.68E-12	0	0	0	0	2.28E-12	1.7981E-06	2.53377E-07	7.19623E-13	0	3.59187E-13	0
630	570670.6	4178719	0.55, 41787	0.36149	0.3594	0.35242	159.13882	79.23774	228.99362	22.73412	14.05012	31.24302	2.6E-09	1.69E-06	2.31E-07	8.03E-13	2.42E-12	1.91E-12	0	0	0	0	2.602E-12	1.6903E-06	2.3064E-07	8.21176E-13	0	4.09875E-13	0
631	570710.6	4178719	0.55, 41787	0.41184	0.42167	0.39325	168.39934	82.78202	268.08178	23.84947	15.22445	37.49142	2.9E-09	1.98E-06	2.77E-07	8.96E-13	2.71E-12	2.14E-12	0	0	0	0	2.903E-12	1.9788E-06	2.76759E-07	9.16327E-13	0	4.57368E-13	0
632	570750.6	4178719	0.55, 41787	0.46631	0.48852	0.43046	193.26616	81.97611	266.60906	24.83922	16.78199	33.32613	3.18E-09	1.97E-06	2.46E-07	9.81E-13	2.96E-12	2.34E-12	0	0	0	0	3.178E-12	1.9679E-06	2.46019E-07	1.00305E-12	0	5.00653E-13	0
633	570790.6	4178719	0.55, 41787	0.5297	0.5627	0.45402	208.56721	92.88706	267.98327	26.09236	23.00092	33.50993	3.35E-09	1.98E-06	2.47E-07	1.03E-12	3.12E-12	2.47E-12	0	0	0	0	3.352E-12	1.9781E-06	2.47378E-07	1.05798E-12	0	5.2807E-13	0
634	570830.6	4178719	0.55, 41787	0.58417	0.63922	0.49731	206.25232	102.59816	258.13483	28.9378	25.69667	32.26685	3.67E-09	1.91E-06	2.38E-07	1.13E-12	3.42E-12	2.7E-12	0	0	0	0	3.672E-12	1.9054E-06	2.38209E-07	1.15887E-12	0	5.78427E-13	0
635	570870.6	4178719	0.55, 41787	0.63384	0.71183	0.60618	208.40577	136.85909	408.7133	28.70976	24.7437	51.08916	4.48E-09	3.02E-06	3.77E-07	1.38E-12	4.17E-12	3.29E-12	0	0	0	0	4.475E-12	3.0169E-06	3.77129E-07	1.41252E-12	0	7.05033E-13	0
636	570910.6	4178719	0.55, 41787	0.68401	0.75343	0.58123	211.07044	124.31957	366.90455	30.70854	25.49482	45.86307	4.29E-09	2.71E-06	3.39E-07	1.32E-12	4E-12	3.16E-12	0	0	0	0	4.291E-12	2.7083E-06	3.38561E-07	1.35443E-12	0	6.76037E-13	0
637	570950.6	4178719	0.55, 41787	0.69007	0.76497	0.57081	207.10313	108.18225	376.87466	30.79195	24.65468	47.10933	4.21E-09	2.78E-06	3.48E-07	1.3E-12	3.93E-12	3.1E-12	0	0	0	0	4.214E-12	2.7818E-06	3.4776E-07	1.33016E-12	0	6.63925E-13	0
638	570990.6	4178719	0.55, 41787	0.68048	0.74999	0.58632	206.58356	95.47159	294.44278	32.17827	21.60129	36.80535	4.33E-09	2.17E-06	2.72E-07	1.34E-12	4.03E-12	3.19E-12	0	0	0	0	4.329E-12	2.1734E-06	2.71713E-07	1.36628E-12	0	6.81954E-13	0
639	571030.6	4178719	0.55, 41787	0.66194	0.72353	0.59736	210.3532	86.11281	328.15995	30.372	18.42489	51.15716	4.41E-09	2.42E-06	3.78E-07	1.36E-12	4.11E-12	3.25E-12	0	0	0	0	4.41E-12	2.4222E-06	3.77635E-07	1.39198E-12	0	6.94782E-13	0
640	571070.6	4178719	0.55, 41787	0.64029	0.68839	0.56269	181.70859	76.31707	252.84162	22.73215	15.52213	31.6052	4.15E-09	1.87E-06	2.33E-07	1.28E-12	3.87E-12	3.06E-12	0	0	0	0	4.154E-12	1.8663E-06	2.33313E-07	1.3112E-12	0	6.54461E-13	0
641	571110.6	4178719	0.55, 41787	0.60626	0.64543	0.53034	207.95149	70.27092	268.27126	26.16426	14.32632	33.53391	3.92E-09	1.98E-06	2.48E-07	1.21E-12	3.65E-12	2.88E-12	0	0	0	0	3.916E-12	1.9802E-06	2.47555E-07	1.23581E-12	0	6.16834E-13	0
642	571150.6	4178719	0.55, 41787	0.57256	0.60327	0.52806	200.64391	66.12781	289.68563	25.68735	14.52342	36.23202	3.9E-09	2.14E-06	2.67E-07	1.2E-12	3.63E-12	2.87E-12	0	0	0	0	3.899E-12	2.1382E-06	2.67468E-07	1.23048E-12	0	6.1417E-13	0
643	571190.6	4178719	0.55, 41787	0.53842	0.56251	0.50995	154.3512	63.9477	213.38711	22.19645	14.00077	30.48387	3.76E-09	1.58E-06	2.25E-07	1.16E-12	3.51E-12	2.77E-12	0	0	0	0	3.765E-12	1.5751E-06	2.25036E-07	1.18826E-12	0	5.931E-13	0
644	571230.6	4178719	0.55, 41787	0.49735	0.52247	0.4676	159.72675	60.41971	199.28282	22.34048	12.75874	27.30767	3.45E-09	1.47E-06	2.02E-07	1.07E-12	3.22E-12	2.54E-12	0	0	0	0	3.452E-12	1.471E-06	2.01594E-07	1.08959E-12	0	5.43847E-13	0
645	571270.6	4178719	0.55, 41787	0.45612	0.4836	0.42898	144.14128	55.22387	195.55309	20.17616	11.51496	26.9261	3.17E-09	1.44E-06	1.99E-07	9.77E-13	2.95E-12	2.33E-12	0	0	0	0	3.167E-12	1.4434E-06	1.98773E-07	9.99597E-13	0	4.98931E-13	0
646	571310.6	4178719	0.55, 41787	0.42006	0.44717	0.39945	118.44349	52.26024	154.81704	17.97136	10.56882	25.80284	2.95E-09	1.14E-06	1.9E-07	9.1E-13	2.75E-12	2.17E-12	0	0	0	0	2.949E-12	1.1428E-06	1.90478E-07	9.30785E-13	0	4.64584E-13	0
647	571350.6	4178719	0.55, 41787	0.38785	0.41385	0.37184	109.17018	50.24459	147.83356	14.07795	10.0186	18.4792	2.75E-09	1.09E-06	1.36E-07	8.47E-13	2.56E-12	2.02E-12	0	0	0	0	2.745E-12	1.0912E-06	1.36417E-07	8.66447E-13	0	4.32471E-13	0
648	571390.6	4178719	0.55, 41787	0.35875	0.38356	0.34391	87.70597	48.80309	113.13015	10.96325	9.64341	14.14127	2.54E-09	8.35E-07	1.04E-07	7.84E-13	2.37E-12	1.87E-12	0	0	0	0	2.539E-12	8.3508E-07	1.04394E-07	8.01366E-13	0	3.99987E-13	0
649	571430.6	4178719	0.55, 41787	0.33385	0.35563	0.32061	80.9107	47.09106	69.47289	11.59229	8.99084	10.76512	2.37E-09	5.13E-07	7.95E-08	7.3E-13	2.21E-12	1.74E-12	0	0	0	0	2.367E-12	5.1286E-07	7.94771E-08	7.47072E-13	0	3.72888E-13	0
650	571470.6	4178719	0.55, 41787	0.31507	0.33052	0.30587	111.40642	45.19171	126.48359	15.57659	8.16367	17.53078	2.26E-09	9.34E-07	1.29E-07	6.97E-13	2.1E-12	1.66E-12	0	0	0	0	2.258E-12	9.3364E-07	1.2942E-07	7.1272E-13	0	3.55742E-13	0
651	571510.6	4178719	0.55, 41787	0.29891	0.30701	0.29518	116.70467	43.07153	146.87884	15.95519	7.46065	19.6972	2.18E-09	1.08E-06	1.45E-07	6.72E-13	2.03E-12	1.6E-12	0	0	0	0	2.179E-12	1.0842E-06	1.4541E-07	6.87804E-13	0	3.43305E-13	0
652	571550.6	4178719	0.55, 41787	0.28299	0.28542	0.28355	93.20798	40.2806	109.70993	12.81909	6.80365	14.78577	2.09E-09	8.1E-07	1.09E-07	6.46E-13	1.95E-12	1.54E-12	0	0	0	0	2.093E-12	8.0982E-07	1.09155E-07	6.60699E-13	0	3.29776E-13	0
653	571590.6	4178719	0.55, 41787	0.2649	0.26495	0.26753	84.18961	37.57199	100.50298	12.02709	5.93847	14.35757	1.98E-09	7.42E-07	1.06E-07	6.09E-13	1.84E-12	1.45E-12	0	0	0	0	1.975E-12	7.4186E-07	1.05993E-07	6.23368E-13	0	3.11143E-13	0
654	570310.6	4178759	0.55, 41787	0.10291	0.08971	0.0989	86.89901	32.22927	93.76167	10.86238	4.40505	11.72021	7.3E-10	6.92E-07	8.65E-08	2.25E-13	6.8E-13	5.37E-13	0	0	0	0	7.301E-13	6.921E-07	8.65248E-08	2.30441E-13	0	1.15021E-13	0
655	570350.6	4178759	0.55, 41787	0.11544	0.10167	0.11074	97.89636	38.6449	111.66772	12.23704	4.83061	13.95846	8.18E-10	8.24E-07	1.03E-07	2.52E-13	7.62E-13	6.02E-13	0	0	0	0	8.175E-13	8.2427E-07	1.03047E-07	2.5803E-13	0	1.28791E-13	0
656	570390.6	4178759	0.55, 41787	0.13027	0.11595	0.12485	105.67733	44.34348	129.76492	13.20967	5.54293	16.22061	9.22E-10	9.58E-07	1.2E-07	2.84E-13	8.59E-13	6.78E-13	0	0	0	0	9.217E-13	9.5785E-07	1.19745E-07	2.90907E-13	0	1.45201E-13	0
657	570430.6	4178759	0.55, 41787	0.14773	0.133	0.14184	109.21499	48.49986	141.11126	13.65187	6.24447	17.63891	1.05E-09	1.04E-06	1.3E-07	3.23E-13	9.76E-13	7.71E-13	0	0	0	0	1.047E-12	1.0416E-06	1.30214E-07	3.30496E-13	0	1.64961E-13	0
658	570470.6	4178759	0.55, 41787	0.16767	0.15301	0.16202	117.79795	52.53636	140.35154	14.72474	7.71399	17.54394	1.2E-09	1.04E-06	1.3E-07	3.69E-13	1.11E-12	8.8E-13	0	0	0	0	1.196E-12	1.036E-06	1.29515E-07	3.77517E-13	0	1.88431E-13	0
659	570510.6	4178759	0.55, 41787	0.191	0.17712	0.1864	128.29828	56.17436	171.94141	17.6792	9.03197	21.49268	1.38E-09	1.27E-06	1.59E-07	4.25E-13	1.28E-12	1.01E-12	0	0	0	0	1.376E-12	1.2692E-06	1.58666E-07	4.34324E-13	0	2.16785E-13	0
660	570550.6	4178759	0.55, 41787	0.21672	0.20498	0.21341	137.63049	58.52483	184.29573	19.6615	9.95092	26.17497	1.58E-09	1.36E-06	1.93E-07	4.86E-13	1.47E-12	1.16E-12	0	0	0	0	1.576E-12	1.3604E-06	1.93228E-07	4.97261E-13	0	2.48199E-13	0
661	570590.6	4178759	0.55, 41787	0.24504	0.23724	0.24166	142.23889	62.68425	205.21483	20.31984	10.25836	28.57469	1.78E-09	1.51E-06	2.11E-07	5.51E-13	1.66E-12	1.31E-12	0	0	0	0	1.784E-12	1.5148E-06	2.10941E-07	5.63088E-13	0	2.81055E-13	0
662	570630.6	4178759	0.55, 41787	0.27554	0.27375	0.26892	139.19636	70.02218	188.40794	19.61007	11.07526	25.7042	1.99E-09	1.39E-06	1.9E-07	6.13E-13	1.85E-12	1.46E-12	0	0	0	0	1.985E-12	1.3907E-06	1.89753E-07	6.26612E-13	0	3.12762E-13	0
663	570670.6	4178759	0.55, 41787	0.30614	0.31293	0.29402	149.31547	72.47289	221.2081	21.10931	12.07881	31.37185	2.17E-09	1.63E-06	2.32E-07	6.7E-13	2.02E-12	1.6E-12	0	0	0	0	2.171E-12	1.6328E-06	2.31587E-07	6.85106E-13	0	3.41958E-13	0
664	570710.6	4178759	0.55, 41787	0.33494	0.35231	0.31792	164.794	71.08708	213.69891	21.55176	13.08376	26.71236	2.35E-09	1.58E-06	1.97E-07	7.24E-13	2.19E-12	1.73E-12	0	0	0	0	2.347E-12	1.5774E-06	1.97198E-07	7.40804E-13	0	3.69759E-13	0
665	570750.6	4178759	0.55, 41787	0.36674	0.3924	0.33661	179.38877	78.60477	216.64393	22.4236	16.36841	27.08049	2.49E-09	1.6E-06	2E-07	7.67E-13	2.32E-12	1.83E-12	0	0	0	0	2.485E-12	1.5992E-06	1.99917E-07	7.84367E-13	0	3.91503E-13	0
666	570790.6	4178759	0.55, 41787	0.40357	0.43625	0.34677	166.36606	82.34558	242.62848	21.7564	19.87746	30.35713	2.56E-09	1.79E-06	2.24E-07	7.9E-13	2.39E-12	1.88E-12	0	0	0	0	2.56E-12	1.7909E-06	2.24099E-07	8.08062E-13	0	4.03329E-13	0
667	570830.6	4178759	0.55, 41787	0.43354	0.48203	0.39259	188.6599	98.62945	246.30784	24.95504	19.43466	30.78848	2.9E-09	1.82E-06	2.27E-07	8.94E-13	2.7E-12	2.13E-12	0	0	0	0	2.899E-12	1.8181E-06	2.2729E-07	9.14825E-13	0	4.56619E-13	0
668	570870.6	4178759	0.55, 41787	0.46387	0.52331	0.45582	172.12292	120.25167	329.63715	21.51536	18.67269	41.20464	3.37E-09	2.43E-06	3.04E-07	1.04E-12	3.14E-12	2.48E-12	0	0	0	0	3.365E-12	2.4332E-06	3.04161E-07	1.06214E-12	0	5.30149E-13	0
669	570910.6	4178759	0.55, 41787	0.49085	0.54778	0.42691	176.15826	108.72169	296.15879	23.43896	19.655	37.01985	3.15E-09	2.19E-06	2.73E-07	9.73E-13	2.94E-12	2.32E-12	0	0	0	0	3.152E-12	2.1861E-06	2.73278E-07	9.94814E-13	0	4.96543E-13	0
670	570950.6	4178759	0.55, 41787	0.48762	0.55475	0.41816	180.46301	97.04885	324.78811	24.36206	20.46933	40.59851	3.09E-09	2.4E-06	3E-07	9.53E-13	2.88E-12	2.27E-12	0	0	0	0	3.087E-12	2.3974E-06	2.99693E-07	9.74435E-13	0	4.86372E-13	0
671	570990.6	4178759	0.55, 41787	0.49051	0.55159	0.43765	151.23194	87.28492	222.11928	25.20532	17.38113	28.62893	3.23E-09	1.64E-06	2.11E-07	9.97E-13	3.01E-12	2.38E-12	0	0	0	0	3.231E-12	1.6396E-06	2.11351E-07	1.01983E-12	0	5.09032E-13	0
672	571030.6	4178759	0.55, 41787	0.48428	0.53663	0.45626	187.58168	78.86438	272.43541	28.06386	15.68835	45.4059	3.37E-09	2.01E-06	3.35E-07	1.04E-12	3.14E-12	2.48E-12	0	0	0	0	3.369E-12	2.0109E-06	3.35182E-07	1.06318E-12	0	5.30665E-13	0
673	571070.6	4178759	0.55, 41787	0.467	0.51625	0.43604	163.79974	72.83551	258.94072	22.54296	13.46245	32.36759	3.22E-09	1.91E-06	2.39E-07	9.93E-13	3E-12	2.37E-12	0	0	0	0	3.219E-12	1.9113E-06	2.38939E-07	1.01606E-12	0	5.07149E-13	0
674	571110.6	4178759	0.55, 41787	0.44755	0.4933	0.39624	157.0432	65.36033	149.25903	19.63651	11.35189	22.10234	2.93E-09	1.1E-06	1.63E-07	9.03E-13	2.73E-12	2.15E-12	0	0	0	0	2.925E-12	1.1018E-06	1.63169E-07	9.23335E-13	0	4.60866E-13	0
675	571150.6	4178759	0.55, 41787	0.4302	0.46818	0.38775	183.98767	62.14189	232.46693	23.05685	11.54043	29.05837	2.86E-09	1.72E-06	2.15E-07	8.83E-13	2.67E-12	2.11E-12	0	0	0	0	2.863E-12	1.7159E-06	2.14516E-07	9.03543E-13	0	4.50987E-13	0
676	571190.6	4178759	0.55, 41787	0.41561	0.44245	0.39452	166.33485	59.4631	232.20811	21.02615	11.70076	29.03347	2.91E-09	1.71E-06	2.14E-07	8.99E-13	2.71E-12	2.14E-12	0	0	0	0	2.913E-12	1.714E-06	2.14328E-07	9.19297E-13	0	4.58851E-13	0
677	571230.6	4178759	0.55, 41787	0.39577	0.41616	0.38297	133.04594	57.55284	174.38403	19.00656	11.25795	24.912	2.83E-09	1.29E-06	1.84E-07	8.72E-13	2.63E-12	2.08E-12	0	0	0	0	2.827E-12	1.2872E-06	1.83905E-07	8.92376E-13	0	4.45413E-13	0
678	571270.6	4178759	0.55, 41787	0.36933	0.38979	0.3568	133.93343	52.76944	163.09994	18.49966	10.32502	20.38749	2.63E-09	1.2E-06	1.51E-07	8.13E-13	2.45E-12	1.94E-12	0	0	0	0	2.634E-12	1.2039E-06	1.5051E-07	8.31397E-13	0	4.14977E-13	0
679	571310.6	4178759	0.55, 41787	0.3411	0.36413	0.32902	131.1619	50.25063	168.23883	18.11843	9.56125	22.87944	2.43E-09	1.24E-06	1.69E-07	7.5E-13	2.26E-12	1.79E-12	0	0	0	0	2.429E-12	1.2418E-06	1.68902E-07	7.66668E-13	0	3.82669E-13	0
680	571350.6	4178759	0.55, 41787	0.31543	0.34037	0.30452	103.20737	47.94128	136.71003	14.62528	9.08266	18.8743	2.25E-09	1.01E-06	1.39E-07	6.94E-13	2.09E-12	1.65E-12	0	0	0	0	2.248E-12	1.0091E-06	1.39334E-07	7.09581E-13	0	3.54175E-13	0
681	571390.6	4178759	0.55, 41787	0.29206	0.31801	0.28181	95.20975	46.26011	128.00267	11.90122	8.7596	16.00033	2.08E-09	9.45E-07	1.18E-07	6.42E-13	1.94E-12	1.53E-12	0	0	0	0	2.081E-12	9.4485E-07	1.18117E-07	6.56665E-13	0	3.27763E-13	0
682	571430.6	4178759	0.55, 41787	0.27184	0.29676	0.26169	65.82255	44.97926	77.28464	8.48847	8.42183	11.06277	1.93E-09	5.71E-07	8.17E-08	5.96E-13	1.8E-12	1.42E-12	0	0	0	0	1.932E-12	5.7051E-07	8.16676E-08	6.09783E-13	0	3.04362E-13	0
683	571470.6	4178759	0.55, 41787	0.25781	0.27877	0.24855	74.19853	43.62462	66.74746	10.92817	7.8818	10.16339	1.84E-09	4.93E-07	7.5E-08	5.66E-13	1.71E-12	1.35E-12	0	0	0	0	1.835E-12	4.9273E-07	7.50346E-08	5.79163E-13	0	2.89079E-13	0
684	571510.6	4178759	0.55, 41787	0.24715	0.26193	0.24035	102.14842	42.0514	116.58455	14.2101	7.23025	16.16505	1.77E-09	8.61E-07	1.19E-07	5.48E-13	1.65E-12	1.31E-12	0	0	0	0	1.774E-12	8.6057E-07	1.19337E-07	5.60051E-13	0	2.79539E-13	0
685	571550.6	4178759	0.55, 41787	0.23772	0.24585	0.23427	104.82233	40.15762	128.89855	14.31586	6.66643	17.41071	1.73E-09	9.51E-07	1.29E-07	5.34E-13	1.61E-12	1.27E-12	0	0	0	0	1.73E-12	9.5145E-07	1.28531E-07	5.45878E-13	0	2.72465E-13	0
686	571590.6	4178759	0.55, 41787	0.22808	0.23097	0.22747	83.60184	37.747	96.99907	11.46846	6.12919	13.15855	1.68E-09	7.16E-07	9.71E-08	5.18E-13	1.56E-12	1.24E-12	0	0	0	0	1.679E-12	7.16E-07	9.71419E-08	5.30028E-13	0	2.64554E-13	0
687	570310.6	4178799	0.55, 41787	0.10253	0.09048	0.09887	92.22772	37.68456	108.42661	11.52846	4.71057	13.55333	7.3E-10	8E-07	1E-07	2.25E-13	6.8E-13	5.37E-13	0	0	0	0	7.299E-13	8.0035E-07	1.00056E-07	2.30372E-13	0	1.14986E-13	0
688	570350.6	4178799	0.55, 41787	0.11434	0.10195	0.11024	96.42289	41.82094	119.06345	12.05286	5.22762	14.88293	8.14E-10	8.79E-07	1.1E-07	2.51E-13	7.58E-13	5.99E-13	0	0	0	0	8.139E-13	8.7886E-07	1.0987E-07	2.56865E-13	0	1.2821E-13	0
689	570390.6	4178799	0.55, 41787	0.12785	0.11532	0.12365	96.70849	44.28794	121.57528	12.08856	5.83168	15.19691	9.13E-10	8.97E-07	1.12E-07	2.82E-13	8.51E-13	6.72E-13	0	0	0	0	9.129E-13	8.974E-07	1.12188E-07	2.88112E-13	0	1.43806E-13	0
690	570430.6	4178799	0.55, 41787	0.14288	0.13064	0.13911	109.4746	48.39009	132.26529	13.83026	6.97525	16.53316	1.03E-09	9.76E-07	1.22E-07	3.17E-13	9.57E-13	7.56E-13	0	0	0	0	1.027E-12	9.7631E-07	1.22053E-07	3.24135E-13	0	1.61786E-13	0
691	570470.6	4178799	0.55, 41787	0.15993	0.14857	0.15692	116.3647	50.80214	153.38363	16.31235	7.92735	19.17295	1.16E-09	1.13E-06	1.42E-07	3.57E-13	1.08E-12	8.53E-13	0	0	0	0	1.158E-12	1.1322E-06	1.41542E-07	3.65634E-13	0	1.82499E-13	0
692	570510.6	4178799	0.55, 41787	0.17816	0.16871	0.17591	124.77861	52.11481	162.22151	17.82552	8.49382	23.1745	1.3E-09	1.2E-06	1.71E-07	4.01E-13	1.21E-12	9.56E-13	0	0	0	0	1.299E-12	1.1974E-06	1.71079E-07	4.09883E-13	0	2.04586E-13	0
693	570550.6	4178799	0.55, 41787	0.19752	0.19131	0.19507	126.89522	56.18657	175.78093	18.12789	8.51005	24.21863	1.44E-09	1.3E-06	1.79E-07	4.44E-13	1.34E-12	1.06E-12	0	0	0	0	1.44E-12	1.2975E-06	1.78786E-07	4.54529E-13	0	2.2687E-13	0
694	570590.6	4178799	0.55, 41787	0.21773	0.21627	0.21308	122.68072	62.5324	158.46837	17.14296	9.80776	21.67538	1.57E-09	1.17E-06	1.6E-07	4.85E-13	1.47E-12	1.16E-12	0	0	0	0	1.573E-12	1.1697E-06	1.60013E-07	4.96498E-13	0	2.47818E-13	0
695	570630.6	4178799	0.55, 41787	0.23771	0.24268	0.22932	133.9153	64.36556	188.20796	18.95021	10.72759	26.70167	1.69E-09	1.39E-06	1.97E-07	5.22E-13	1.58E-12	1.25E-12	0	0	0	0	1.693E-12	1.3892E-06	1.97114E-07	5.34345E-13	0	2.66709E-13	0
696	570670.6	4178799	0.55, 41787	0.25595	0.26895	0.24514	141.94782	63.09907	182.20008	19.13844	10.57117	23.96944	1.81E-09	1.34E-06	1.77E-07	5.58E-13	1.69E-12	1.33E-12	0	0	0	0	1.81E-12	1.3449E-06	1.76949E-07	5.71213E-13	0	2.85111E-13	0
697	570710.6	4178799	0.55, 41787	0.27273	0.29382	0.2595	157.12572	66.69563	192.86918	19.64072	11.93189	24.10865	1.92E-09	1.42E-06	1.78E-07	5.91E-13	1.79E-12	1.41E-12	0	0	0	0	1.916E-12	1.4237E-06	1.77977E-07	6.0468E-13	0	3.01815E-13	0
698	570750.6	4178799	0.55, 41787	0.29355	0.31916	0.26739	152.65771	72.44297	180.42039	19.08221	15.18472	22.55534	1.97E-09	1.33E-06	1.67E-07	6.09E-13	1.84E-12	1.45E-12	0	0	0	0	1.974E-12	1.3318E-06	1.66512E-07	6.23075E-13	0	3.10997E-13	0
699	570790.6	4178799	0.55, 41787	0.31688	0.34759	0.27611	157.73005	72.26845	195.86787	20.13646	16.34526	24.48348	2.04E-09	1.45E-06	1.81E-07	6.29E-13	1.9E-12	1.5E-12	0	0	0	0	2.039E-12	1.4458E-06	1.80745E-07	6.43406E-13	0	3.21144E-13	0
700	570830.6	4178799	0.55, 41787	0.33524	0.37796	0.31984	162.23746	94.66133	234.71664	21.09567	14.73083	29.33958	2.36E-09	1.73E-06	2.17E-07	7.29E-13	2.2E-12	1.74E-12	0	0	0	0	2.361E-12	1.7326E-06	2.16588E-07	7.45291E-13	0	3.71999E-13	0
701	570870.6	4178799	0.55, 41787	0.35595	0.40358	0.35265	158.80625	107.46352	263.60655	19.85078	16.70272	32.95082	2.6E-09	1.95E-06	2.43E-07	8.03E-13	2.43E-12	1.92E-12	0	0	0	0	2.604E-12	1.9458E-06	2.43239E-07	8.21737E-13	0	4.10155E-13	0
702	570910.6	4178799	0.55, 41787	0.3676	0.41723	0.32417	150.41188	96.98395	247.06251	18.80149	15.72408	30.88281	2.39E-09	1.82E-06	2.28E-07	7.39E-13	2.23E-12	1.76E-12	0	0	0	0	2.393E-12	1.8237E-06	2.27973E-07	7.55403E-13	0	3.77046E-13	0
703	570950.6	4178799	0.55, 41787	0.34637	0.40141	0.30552	159.46188	87.41269	275.63404	19.93273	16.48069	34.45425	2.26E-09	2.03E-06	2.54E-07	6.96E-13	2.1E-12	1.66E-12	0	0	0	0	2.256E-12	2.0345E-06	2.54335E-07	7.11948E-13	0	3.55356E-13	0
704	570990.6	4178799	0.55, 41787	0.35579	0.40756	0.32647	119.48057	79.68844	146.33228	17.5796	14.60553	25.33485	2.41E-09	1.08E-06	1.87E-07	7.44E-13	2.25E-12	1.77E-12	0	0	0	0	2.41E-12	1.0802E-06	1.87023E-07	7.60754E-13	0	3.79717E-13	0
705	571030.6	4178799	0.55, 41787	0.37225	0.416	0.35619	155.14917	72.93395	196.55996	24.86673	12.948	30.87431	2.63E-09	1.45E-06	2.28E-07	8.11E-13	2.45E-12	1.94E-12	0	0	0	0	2.63E-12	1.4509E-06	2.27923E-07	8.29991E-13	0	4.14275E-13	0
706	571070.6	4178799	0.55, 41787	0.3594	0.40135	0.34666	158.59146	67.81733	220.83512	22.65592	11.74555	33.70367	2.56E-09	1.63E-06	2.49E-07	7.9E-13	2.38E-12	1.88E-12	0	0	0	0	2.559E-12	1.6301E-06	2.48801E-07	8.07782E-13	0	4.0319E-13	0
707	571110.6	4178799	0.55, 41787	0.34191	0.38638	0.31575	133.9595	62.41991	198.12185	16.74494	10.40332	24.76523	2.33E-09	1.46E-06	1.83E-07	7.19E-13	2.17E-12	1.72E-12	0	0	0	0	2.331E-12	1.4624E-06	1.82817E-07	7.35769E-13	0	3.67246E-13	0
708	571150.6	4178799	0.55, 41787	0.32926	0.37153	0.29721	140.52662	58.47073	122.49716	17.56829	9.74512	16.40698	2.19E-09	9.04E-07	1.21E-07	6.77E-13	2.04E-12	1.61E-12	0	0	0	0	2.194E-12	9.0424E-07	1.2113E-07	6.92572E-13	0	3.45685E-13	0
709	571190.6	4178799	0.55, 41787	0.32393	0.35615	0.30055	162.80337	55.99612	201.90064	20.37225	9.46414	25.23758	2.22E-09	1.49E-06	1.86E-07	6.85E-13	2.07E-12	1.63E-12	0	0	0	0	2.219E-12	1.4903E-06	1.86311E-07	7.00343E-13	0	3.49564E-13	0
710	571230.6	4178799	0.55, 41787	0.31732	0.33876	0.30501	141.0743	54.42569	191.70239	17.72831	9.52966	23.96639	2.25E-09	1.42E-06	1.77E-07	6.95E-13	2.1E-12	1.66E-12	0	0	0	0	2.252E-12	1.415E-06	1.76923E-07	7.10722E-13	0	3.54744E-13	0
711	571270.6	4178799	0.55, 41787	0.30415	0.32027	0.29829	116.54381	51.24633	144.90939	16.64912	9.13765	20.70134	2.2E-09	1.07E-06	1.53E-07	6.8E-13	2.05E-12	1.62E-12	0	0	0	0	2.202E-12	1.0696E-06	1.52823E-07	6.95057E-13	0	3.46925E-13	0
712	571310.6	4178799	0.55, 41787	0.28608	0.30211	0.28212	111.77517	48.08718	136.31939	15.28029	8.60329	17.73191	2.08E-09	1.01E-06	1.31E-07	6.43E-13	1.94E-12	1.53E-12	0	0	0	0	2.083E-12	1.0062E-06	1.30904E-07	6.57378E-13	0	3.28118E-13	0
713	571350.6	4178799	0.55, 41787	0.26522	0.28423	0.2608	116.94553	46.1941	139.01017	15.97517	8.23917	19.97796	1.93E-09	1.03E-06	1.47E-07	5.94E-13	1.79E-12	1.42E-12	0	0	0	0	1.925E-12	1.0261E-06	1.47483E-07	6.07702E-13	0	3.03324E-13	0
714	571390.6	4178799	0.55, 41787	0.24309	0.26586	0.23735	101.64822	44.37475	130.479	13.96186	7.97488	17.70328	1.75E-09	9.63E-07	1.31E-07	5.41E-13	1.63E-12	1.29E-12	0	0	0	0	1.752E-12	9.6312E-07	1.3069E-07	5.53064E-13	0	2.76052E-13	0
715	571430.6	4178799	0.55, 41787	0.22645	0.25105	0.21957	78.66707	42.96369	101.00422	10.22882	7.75525	13.14754	1.62E-09	7.46E-07	9.71E-08	5E-13	1.51E-12	1.19E-12	0	0	0	0	1.621E-12	7.4557E-07	9.70581E-08	5.11637E-13	0	2.55374E-13	0
716	571470.6	4178799	0.55, 41787	0.21325	0.23694	0.20607	47.64153	41.84289	57.10773	7.70461	7.45296	10.06314	1.52E-09	4.22E-07	7.43E-08	4.69E-13	1.42E-12	1.12E-12	0	0	0	0	1.521E-12	4.2158E-07	7.42881E-08	4.80181E-13	0	2.39673E-13	0
717	571510.6	4178799	0.55, 41787	0.20623	0.22585	0.19985	71.44774	40.73398	57.79843	10.29216	7.00806	9.90291	1.48E-09	5E-07	7.31E-08	4.55E-13	1.37E-12	1.09E-12	0	0	0	0	1.475E-12	5.0049E-07	7.31108E-08	4.65685E-13	0	2.32438E-13	0
718	571550.6	4178799	0.55, 41787	0.19818	0.21228	0.19356	94.10249	39.35835	107.36049	13.01678	6.4744	14.79864	1.43E-09	7.92E-07	1.09E-07	4.41E-13	1.33E-12	1.05E-12	0	0	0	0	1.429E-12	7.9248E-07	1.0925E-07	4.51024E-13	0	2.2512E-13	0
719	571590.6	4178799	0.55, 41787	0.19254	0.20073	0.18997	94.76849	37.66806	114.23818	12.95063	6.01952	15.50303	1.4E-09	8.43E-07	1.14E-07	4.33E-13	1.31E-12	1.03E-12	0	0	0	0	1.403E-12	8.4324E-07	1.14449E-07	4.42654E-13	0	2.20943E-13	0
720	570310.6	4178839	0.55, 41788	0.10118	0.0904	0.098	86.93136	38.98232	105.93151	10.86642	4.87279	13.24144	7.23E-10	7.82E-07	9.78E-08	2.23E-13	6.74E-13	5.32E-13	0	0	0	0	7.235E-13	7.8193E-07	9.77524E-08	2.28345E-13	0	1.13974E-13	0
721	570350.6	4178839	0.55, 41788	0.1118	0.10104	0.10874	92.10266	41.60712	103.12867	11.51283	5.43734	12.89108	8.03E-10	7.61E-07	9.52E-08	2.48E-13	7.48E-13	5.91E-13	0	0	0	0	8.028E-13	7.6125E-07	9.51679E-08	2.5337E-13	0	1.26465E-13	0
722	570390.6	4178839	0.55, 41788	0.12335	0.11299	0.12071	101.58992	44.39945	123.8041	13.097	6.32134	15.47551	8.91E-10	9.14E-07	1.14E-07	2.75E-13	8.3E-13	6.56E-13	0	0	0	0	8.911E-13	9.1386E-07	1.14246E-07	2.81261E-13	0	1.40387E-13	0
723	570430.6	4178839	0.55, 41788	0.13612	0.12663	0.1341	105.75261	46.22171	135.82058	15.10752	6.99394	17.72822	9.9E-10	1E-06	1.31E-07	3.05E-13	9.22E-13	7.29E-13	0	0	0	0	9.9E-13	1.0025E-06	1.30876E-07	3.12461E-13	0	1.55959E-13	0
724	570470.6	4178839	0.55, 41788	0.14941	0.1416	0.14777	113.55911	47.52324	144.14907	16.22273	7.30549	20.59272	1.09E-09	1.06E-06	1.52E-07	3.37E-13	1.02E-12	8.03E-13	0	0	0	0	1.091E-12	1.064E-06	1.5202E-07	3.44314E-13	0	1.71858E-13	0
725	570510.6	4178839	0.55, 41788	0.16314	0.158	0.16129	114.44641	50.69094	152.51274	16.21485	7.16417	20.85712	1.19E-09	1.13E-06	1.54E-07	3.67E-13	1.11E-12	8.76E-13	0	0	0	0	1.191E-12	1.1258E-06	1.53819E-07	3.75819E-13	0	1.87583E-13	0
726	570550.6	4178839	0.55, 41788	0.17704	0.17576	0.1737	109.2842	56.30775	135.99936	15.45924	8.75778	18.63755	1.28E-09	1E-06	1.38E-07	3.96E-13	1.19E-12	9.44E-13	0	0	0	0	1.282E-12	1.0039E-06	1.37589E-07	4.04739E-13	0	2.02018E-13	0
727	570590.6	4178839	0.55, 41788	0.1907	0.19445	0.18485	121.04262	57.73789	162.59872	17.123	9.62298	23.05827	1.36E-09	1.2E-06	1.7E-07	4.21E-13	1.27E-12	1E-12	0	0	0	0	1.365E-12	1.2002E-06	1.7022E-07	4.30724E-13	0	2.14988E-13	0
728	570630.6	4178839	0.55, 41788	0.20316	0.21304	0.19546	125.84874	56.85617	163.76967	17.26057	9.47603	21.8341	1.44E-09	1.21E-06	1.61E-07	4.45E-13	1.34E-12	1.06E-12	0	0	0	0	1.443E-12	1.2089E-06	1.61185E-07	4.55451E-13	0	2.2733E-13	0
729	570670.6	4178839	0.55, 41788	0.21386	0.23043	0.20601	138.80556	56.19819	167.35734	17.35069	9.51337	20.91967	1.52E-09	1.24E-06	1.54E-07	4.69E-13	1.42E-12	1.12E-12	0	0	0	0	1.521E-12	1.2353E-06	1.54436E-07	4.80037E-13	0	2.39602E-13	0
730	570710.6	4178839	0.55, 41788	0.22462	0.24643	0.21368	139.69865	64.11019	158.44625	17.46233	11.64998	19.80578	1.58E-09	1.17E-06	1.46E-07	4.87E-13	1.47E-12	1.16E-12	0	0	0	0	1.578E-12	1.1696E-06	1.46215E-07	4.97914E-13	0	2.48525E-13	0
731	570750.6	4178839	0.55, 41788	0.23931	0.26333	0.21642	129.30344	65.03758	176.13066	16.25667	13.35444	22.02002	1.6E-09	1.3E-06	1.63E-07	4.93E-13	1.49E-12	1.18E-12	0	0	0	0	1.598E-12	1.3001E-06	1.62555E-07	5.04307E-13	0	2.51716E-13	0
732	570790.6	4178839	0.55, 41788	0.2546	0.28325	0.22784	148.04332	66.52984	161.44916	18.88746	13.10425	20.18115	1.68E-09	1.19E-06	1.49E-07	5.19E-13	1.57E-12	1.24E-12	0	0	0	0	1.682E-12	1.1918E-06	1.48988E-07	5.30922E-13	0	2.65E-13	0
733	570830.6	4178839	0.55, 41788	0.26766	0.30497	0.26524	136.3658	90.38201	203.70222	17.19519	14.05196	26.51864	1.96E-09	1.5E-06	1.96E-07	6.04E-13	1.82E-12	1.44E-12	0	0	0	0	1.958E-12	1.5036E-06	1.9576E-07	6.18057E-13	0	3.08492E-13	0
734	570870.6	4178839	0.55, 41788	0.28248	0.32215	0.27934	145.76117	97.26265	213.43334	18.22015	15.13016	26.67917	2.06E-09	1.58E-06	1.97E-07	6.36E-13	1.92E-12	1.52E-12	0	0	0	0	2.062E-12	1.5755E-06	1.96946E-07	6.50913E-13	0	3.24892E-13	0
735	570910.6	4178839	0.55, 41788	0.28799	0.33135	0.25629	130.6935	87.1686	210.24612	16.33669	13.50967	26.28077	1.89E-09	1.55E-06	1.94E-07	5.84E-13	1.76E-12	1.39E-12	0	0	0	0	1.892E-12	1.5519E-06	1.94002E-07	5.97225E-13	0	2.98094E-13	0
736	570950.6	4178839	0.55, 41788	0.28758	0.33724	0.25781	143.26415	81.64199	232.33178	17.90802	13.93242	29.04147	1.9E-09	1.71E-06	2.14E-07	5.87E-13	1.77E-12	1.4E-12	0	0	0	0	1.903E-12	1.7149E-06	2.14381E-07	6.00769E-13	0	2.99863E-13	0
737	570990.6	4178839	0.55, 41788	0.28844	0.33412	0.27084	115.42228	74.82901	134.90402	15.11344	13.01217	21.06919	2E-09	9.96E-07	1.56E-07	6.17E-13	1.86E-12	1.47E-12	0	0	0	0	2E-12	9.9584E-07	1.55535E-07	6.3112E-13	0	3.15012E-13	0
738	571030.6	4178839	0.55, 41788	0.29049	0.32848	0.28015	122.60648	67.85889	167.69329	20.43441	11.21527	20.96166	2.07E-09	1.24E-06	1.55E-07	6.38E-13	1.93E-12	1.52E-12	0	0	0	0	2.068E-12	1.2378E-06	1.54752E-07	6.52804E-13	0	3.25835E-13	0
739	571070.6	4178839	0.55, 41788	0.28682	0.32211	0.27916	145.80556	62.69899	194.95005	22.09774	10.44682	32.49167	2.06E-09	1.44E-06	2.4E-07	6.36E-13	1.92E-12	1.52E-12	0	0	0	0	2.061E-12	1.439E-06	2.39854E-07	6.50494E-13	0	3.24682E-13	0
740	571110.6	4178839	0.55, 41788	0.272	0.3104	0.2597	131.09883	59.8466	180.45962	17.36249	9.97443	23.15348	1.92E-09	1.33E-06	1.71E-07	5.92E-13	1.79E-12	1.41E-12	0	0	0	0	1.917E-12	1.332E-06	1.70923E-07	6.05155E-13	0	3.02052E-13	0
741	571150.6	4178839	0.55, 41788	0.26	0.30055	0.24148	99.99815	55.57889	134.60776	12.49977	9.26315	16.82597	1.78E-09	9.94E-07	1.24E-07	5.5E-13	1.66E-12	1.31E-12	0	0	0	0	1.783E-12	9.9361E-07	1.24212E-07	5.62706E-13	0	2.80865E-13	0
742	571190.6	4178839	0.55, 41788	0.2552	0.29099	0.23588	127.82601	53.11626	132.48794	15.97966	8.85271	16.56099	1.74E-09	9.78E-07	1.22E-07	5.37E-13	1.62E-12	1.28E-12	0	0	0	0	1.742E-12	9.7797E-07	1.22263E-07	5.49655E-13	0	2.74351E-13	0
743	571230.6	4178839	0.55, 41788	0.25406	0.28009	0.23929	144.46225	51.51588	176.21864	18.06666	8.58598	22.02733	1.77E-09	1.3E-06	1.63E-07	5.45E-13	1.65E-12	1.3E-12	0	0	0	0	1.767E-12	1.3007E-06	1.62613E-07	5.57592E-13	0	2.78312E-13	0
744	571270.6	4178839	0.55, 41788	0.2507	0.26766	0.24251	121.82335	49.56018	161.92313	15.26733	8.26003	20.24326	1.79E-09	1.2E-06	1.49E-07	5.52E-13	1.67E-12	1.32E-12	0	0	0	0	1.79E-12	1.1952E-06	1.49439E-07	5.65086E-13	0	2.82052E-13	0
745	571310.6	4178839	0.55, 41788	0.24184	0.25433	0.23951	103.21026	44.65355	122.05645	14.74432	7.58702	17.43664	1.77E-09	9.01E-07	1.29E-07	5.46E-13	1.65E-12	1.3E-12	0	0	0	0	1.768E-12	9.0096E-07	1.28724E-07	5.58089E-13	0	2.7856E-13	0
746	571350.6	4178839	0.55, 41788	0.22797	0.24079	0.22797	99.0464	44.12829	113.73434	14.35742	7.39344	18.63488	1.68E-09	8.4E-07	1.38E-07	5.19E-13	1.57E-12	1.24E-12	0	0	0	0	1.683E-12	8.3953E-07	1.37567E-07	5.31199E-13	0	2.65138E-13	0
747	571390.6	4178839	0.55, 41788	0.21103	0.22733	0.21036	102.76287	42.76623	112.22851	13.91866	7.25999	15.15441	1.55E-09	8.28E-07	1.12E-07	4.79E-13	1.45E-12	1.14E-12	0	0	0	0	1.553E-12	8.2842E-07	1.11878E-07	4.90168E-13	0	2.44659E-13	0
748	571430.6	4178839	0.55, 41788	0.19469	0.21494	0.19186	96.70075	41.37793	118.14409	13.13698	7.12068	15.87157	1.42E-09	8.72E-07	1.17E-07	4.37E-13	1.32E-12	1.04E-12	0	0	0	0	1.416E-12	8.7208E-07	1.17169E-07	4.47065E-13	0	2.23145E-13	0
749	571470.6	4178839	0.55, 41788	0.18137	0.20392	0.17665	77.02264	40.18933	97.95965	10.5662	6.94319	13.29535	1.3E-09	7.23E-07	9.81E-08	4.02E-13	1.22E-12	9.6E-13	0	0	0	0	1.304E-12	7.2309E-07	9.81497E-08	4.11627E-13	0	2.05456E-13	0
750	571510.6	4178839	0.55, 41788	0.17253	0.19446	0.16733	52.60803	39.21497	67.39367	7.34906	6.67327	9.32595	1.24E-09	4.97E-07	6.88E-08	3.81E-13	1.15E-12	9.09E-13	0	0	0	0	1.235E-12	4.9749E-07	6.88465E-08	3.8991E-13	0	1.94617E-13	0
751	571550.6	4178839	0.55, 41788	0.16797	0.18619	0.16347	68.59481	38.25365	67.50423	9.65516	6.29212	9.48561	1.21E-09	4.98E-07	7E-08	3.72E-13	1.12E-12	8.88E-13	0	0	0	0	1.207E-12	4.9831E-07	7.00295E-08	3.80914E-13	0	1.90126E-13	0
752	571590.6	4178839	0.55, 41788	0.16271	0.17607	0.15959	86.9293	37.04871	99.01478	11.93163	5.86384	13.49632	1.18E-09	7.31E-07	9.96E-08	3.64E-13	1.1E-12	8.67E-13	0	0	0	0	1.178E-12	7.3088E-07	9.96358E-08	3.71869E-13	0	1.85612E-13	0
753	570839.2	4178446	9.17, 41784	74.46739	6.86955	3.72049	1115.31188	246.53605	1658.95445	545.24687	92.47095	232.89196	2.75E-08	1.22E-05	1.72E-06	8.48E-12	2.56E-11	2.02E-11	0	0	0	0	2.749E-11	1.2245E-05	1.72E-06	8.67548E-12	0	4.33021E-12	0
754	570839.2	4178486	9.17, 41784	72.70489	8.35312	4.22209	2611.28562	240.43522	1473.87155	1286.82968	90.10385	245.64526	3.12E-08	1.09E-05	1.82E-06	9.63E-12	2.91E-11	2.3E-11	0	0	0	0	3.119E-11	1.0879E-05	1.81563E-06	9.84467E-12	0	4.91379E-12	0
755	570879.2	4178406	9.17, 41784	9.26791	12.09581	2.86973	654.37651	281.54322	1652.24347	174.87233	99.71055	250.6883	2.12E-08	1.22E-05	1.85E-06	6.54E-12	1.98E-11	1.56E-11	0	0	0	0	2.12E-11	1.2195E-05	1.8506E-06	6.69245E-12	0	3.34042E-12	0
756	570879.2	4178446	9.17, 41784	110.98197	13.33715	11.62742	3333.88644	260.53475	3586.87714	1717.50318	91.01179	770.8732	8.59E-08	2.65E-05	5.69E-06	2.65E-11	8E-11	6.32E-11	0	0	0	0	8.586E-11	2.6475E-05	5.69302E-06	2.71004E-11	0	1.35267E-11	0
757	570879.2	4178486	9.17, 41784	18.42358	13.79846	20.70311	473.0449	246.35325	4578.74855	141.68031	100.88031	655.29094	1.53E-07	3.38E-05	4.84E-06	4.72E-11	1.42E-10	1.12E-10	0	0	0	0	1.528E-10	3.3795E-05	4.83676E-06	4.82361E-11	0	2.40762E-11	0
758	570879.2	4178526	9.17, 41785	94.91809	17.71904	9.02777	3340.71117	271.69492	2014.80922	1490.9797	113.49448	441.47053	6.67E-08	1.49E-05	3.26E-06	2.06E-11	6.21E-11	4.91E-11	0	0	0	0	6.668E-11	1.4872E-05	3.26136E-06	2.10461E-11	0	1.05048E-11	0
759	570879.2	4178566	9.17, 41785	6.34056	7.84517	3.48916	517.57011	248.69096	1100.96831	138.67192	92.32789	171.27972	2.58E-08	8.13E-06	1.26E-06	7.95E-12	2.4E-11	1.9E-11	0	0	0	0	2.577E-11	8.1264E-06	1.26444E-06	8.13276E-12	0	4.05932E-12	0
760	570919.2	4178366	9.17, 41783	2.36921	8.89638	1.45024	279.82249	231.14799	970.86833	50.20448	85.64726	145.20587	1.07E-08	7.17E-06	1.07E-06	3.31E-12	9.99E-12	7.89E-12	0	0	0	0	1.072E-11	7.1661E-06	1.07182E-06	3.38353E-12	0	1.68883E-12	0
761	570919.2	4178406	9.17, 41784	7.16288	18.51893	2.95623	387.12304	281.06153	1814.51514	102.95605	123.97591	301.78328	2.19E-08	1.34E-05	2.23E-06	6.74E-12	2.04E-11	1.61E-11	0	0	0	0	2.185E-11	1.3393E-05	2.22757E-06	6.89751E-12	0	3.44277E-12	0
762	570919.2	4178446	9.17, 41784	30.90779	15.96768	15.85005	761.46723	266.85593	6280.62092	290.35951	97.37786	1155.63511	1.17E-07	4.64E-05	8.53E-06	3.61E-11	1.09E-10	8.61E-11	0	0	0	0	1.17E-10	4.6356E-05	8.52993E-06	3.69331E-11	0	1.84345E-11	0
763	570919.2	4178486	9.17, 41784	29.57453	18.16179	468.02027	992.62163	281.14129	31654.24271	425.98322	121.6397	9353.86757	3.45E-06	0.000234	6.9E-05	1.07E-09	3.22E-09	2.54E-09	0	0	0	0	3.454E-09	0.00023363	6.90385E-05	1.09024E-09	0	5.44176E-10	0
764	570919.2	4178526	9.17, 41785	19.47257	21.77306	15.13476	427.44744	357.8357	3633.422	126.47105	151.21701	760.0028	1.12E-07	2.68E-05	5.61E-06	3.45E-11	1.04E-10	8.22E-11	0	0	0	0	1.117E-10	2.6818E-05	5.60957E-06	3.52695E-11	0	1.76041E-11	0
765	570919.2	4178566	9.17, 41785	68.70701	17.81326	4.44491	3547.24462	326.79695	1605.72558	1121.59815	123.62419	257.53275	3.29E-08	1.19E-05	1.9E-06	1.01E-11	3.06E-11	2.42E-11	0	0	0	0	3.285E-11	1.1853E-05	1.90303E-06	1.03689E-11	0	5.17545E-12	0
766	570959.2	4178326	9.17, 41783	2.08146	12.83514	1.34475	279.67021	252.56813	633.18912	42.32993	97.81035	79.64117	9.95E-09	4.67E-06	5.88E-07	3.07E-12	9.27E-12	7.32E-12	0	0	0	0	9.949E-12	4.6739E-06	5.87889E-07	3.14004E-12	0	1.5673E-12	0
767	570959.2	4178366	9.17, 41783	2.97969	11.80225	1.85212	241.09871	252.07126	954.07883	42.48046	78.75938	136.29698	1.37E-08	7.04E-06	1.01E-06	4.23E-12	1.28E-11	1.01E-11	0	0	0	0	1.369E-11	7.0422E-06	1.00605E-06	4.3214E-12	0	2.15695E-12	0
768	570959.2	4178406	9.17, 41784	5.48321	18.00699	4.34111	312.89849	292.26242	1429.75284	67.10795	111.57482	238.11199	3.21E-08	1.06E-05	1.76E-06	9.9E-12	2.99E-11	2.36E-11	0	0	0	0	3.207E-11	1.0553E-05	1.75756E-06	1.01231E-11	0	5.05277E-12	0
769	570959.2	4178446	9.17, 41784	13.2141	15.9724	27.93872	471.07205	258.82785	2485.7483	129.31081	100.45092	486.63208	2.06E-07	1.83E-05	3.59E-06	6.36E-11	1.92E-10	1.52E-10	0	0	0	0	2.062E-10	1.8347E-05	3.59192E-06	6.5092E-11	0	3.24895E-11	0
770	570959.2	4178486	9.17, 41784	61.20406	15.71053	62.85492	1330.20017	250.50131	2800.83581	539.4281	101.77571	895.66291	4.64E-07	2.07E-05	6.61E-06	1.43E-10	4.32E-10	3.41E-10	0	0	0	0	4.64E-10	2.0673E-05	6.61167E-06	1.46431E-10	0	7.30882E-11	0
771	570959.2	4178526	9.17, 41785	233.18259	14.04006	12.98457	3491.90215	258.73899	2789.84609	1687.05022	110.68808	397.86928	9.59E-08	2.06E-05	2.94E-06	2.96E-11	8.94E-11	7.06E-11	0	0	0	0	9.591E-11	2.0592E-05	2.93995E-06	3.02701E-11	0	1.51088E-11	0
772	570999.2	4178286	9.17, 41782	4.82709	7.01905	1.81527	541.05323	230.67805	782.52024	117.6944	82.70868	130.42004	1.34E-08	5.78E-06	9.63E-07	4.14E-12	1.25E-11	9.87E-12	0	0	0	0	1.341E-11	5.776E-06	9.62823E-07	4.23293E-12	0	2.11279E-12	0

773	570999.2	4178326	9.17, 41783	3.49216	17.23511	2.06149	334.8047	281.26172	702.77079	73.88295	121.01705	110.07877	1.52E-08	5.19E-06	8.13E-07	4.71E-12	1.42E-11	1.12E-11	0	0	0	0	1.525E-11	5.1875E-06	8.12602E-07	4.81228E-12	0	2.40196E-12	0
774	570999.2	4178366	9.17, 41783	3.49499	15.86199	2.88936	258.09779	262.50756	719.40934	51.99585	99.38677	89.92617	2.14E-08	5.31E-06	6.64E-07	6.59E-12	1.99E-11	1.57E-11	0	0	0	0	2.135E-11	5.3102E-06	6.63819E-07	6.73997E-12	0	3.36414E-12	0
775	570999.2	4178406	9.17, 41784	4.67229	14.08019	6.50261	269.25985	258.20089	888.73579	48.54927	90.52886	138.83889	4.8E-08	6.56E-06	1.02E-06	1.48E-11	4.47E-11	3.53E-11	0	0	0	0	4.802E-11	6.56E-06	1.02482E-06	1.51559E-11	0	7.56481E-12	0
776	570999.2	4178446	9.17, 41784	8.21208	17.59623	13.45709	365.10896	254.50285	1091.31402	80.87758	113.65243	185.77432	9.94E-08	8.06E-06	1.37E-06	3.07E-11	9.26E-11	7.31E-11	0	0	0	0	9.936E-11	8.0551E-06	1.3713E-06	3.13583E-11	0	1.56519E-11	0
777	570999.2	4178486	9.17, 41784	18.06608	14.21786	20.31738	585.19163	263.25351	1140.06137	156.20535	101.07997	297.24229	1.5E-07	8.41E-06	2.19E-06	4.63E-11	1.4E-10	1.1E-10	0	0	0	0	1.5E-10	8.415E-06	2.19416E-06	4.73377E-11	0	2.36278E-11	0
778	571039.2	4178246	9.17, 41782	16.91212	6.90765	2.82369	857.31055	271.11205	1316.76682	274.95229	93.64332	189.48612	2.09E-08	9.72E-06	1.4E-06	6.44E-12	1.94E-11	1.54E-11	0	0	0	0	2.086E-11	9.7193E-06	1.39909E-06	6.58272E-12	0	3.28565E-12	0
779	571039.2	4178286	9.17, 41782	28.85834	15.10006	3.68614	1240.055	260.3069	1323.38037	549.80999	92.85324	215.01085	2.72E-08	9.77E-06	1.59E-06	8.41E-12	2.54E-11	2E-11	0	0	0	0	2.724E-11	9.7681E-06	1.58803E-06	8.59724E-12	0	4.29116E-12	0
780	571039.2	4178326	9.17, 41783	6.67676	17.1171	4.10991	443.85334	276.43557	1246.54946	131.23026	111.87763	155.81868	3.04E-08	9.2E-06	1.15E-06	9.37E-12	2.83E-11	2.23E-11	0	0	0	0	3.037E-11	9.2009E-06	1.15031E-06	9.58411E-12	0	4.78374E-12	0
781	571039.2	4178366	9.17, 41783	4.40971	16.57374	4.87433	310.01939	259.88486	992.68074	73.97776	106.04392	160.75052	3.6E-08	7.33E-06	1.19E-06	1.11E-11	3.35E-11	2.65E-11	0	0	0	0	3.601E-11	7.3272E-06	1.18659E-06	1.13643E-11	0	5.6723E-12	0
782	571039.2	4178406	9.17, 41784	4.40492	15.47088	6.2465	249.62047	251.60574	625.26496	54.55389	95.67705	86.62547	4.61E-08	4.62E-06	6.39E-07	1.42E-11	4.3E-11	3.4E-11	0	0	0	0	4.613E-11	4.6154E-06	6.39463E-07	1.45601E-11	0	7.26742E-12	0
783	571039.2	4178446	9.17, 41784	6.02235	17.33371	7.45895	271.18693	258.43077	565.95619	53.34538	113.33058	91.15286	5.51E-08	4.18E-06	6.73E-07	1.7E-11	5.13E-11	4.05E-11	0	0	0	0	5.508E-11	4.1777E-06	6.72875E-07	1.73856E-11	0	8.67772E-12	0
784	571079.2	4178246	9.17, 41782	26.90238	12.76385	4.78342	686.22219	257.40547	1959.72628	294.80616	92.56412	417.67679	3.53E-08	1.45E-05	3.08E-06	1.09E-11	3.29E-11	2.6E-11	0	0	0	0	3.533E-11	1.4465E-05	3.08332E-06	1.11518E-11	0	5.56624E-12	0
785	571079.2	4178286	9.17, 41782	49.90964	15.92317	13.80121	957.6563	283.49226	4117.74908	414.11972	108.09945	689.22522	1.02E-07	3.04E-05	5.09E-06	3.14E-11	9.49E-11	7.5E-11	0	0	0	0	1.019E-10	3.0392E-05	5.08777E-06	3.21617E-11	0	1.60529E-11	0
786	571079.2	4178326	9.17, 41783	16.67986	14.36437	14.4793	793.60016	243.70787	3077.685	313.14105	91.11491	664.711	1.07E-07	2.27E-05	4.91E-06	3.3E-11	9.96E-11	7.87E-11	0	0	0	0	1.069E-10	2.2716E-05	4.90663E-06	3.37382E-11	0	1.68398E-11	0
787	571079.2	4178366	9.17, 41783	6.18218	17.09307	7.0902	419.38901	255.0076	1488.27193	110.95083	108.56867	287.95219	5.24E-08	1.1E-05	2.13E-06	1.62E-11	4.88E-11	3.85E-11	0	0	0	0	5.236E-11	1.0985E-05	2.1255E-06	1.65265E-11	0	8.24891E-12	0
788	571079.2	4178406	9.17, 41784	4.42977	14.91	5.35349	310.20505	209.99469	815.89349	72.09993	91.11305	117.58287	3.95E-08	6.02E-06	8.68E-07	1.22E-11	3.68E-11	2.91E-11	0	0	0	0	3.954E-11	6.0223E-06	8.67984E-07	1.24796E-11	0	6.22895E-12	0
789	571119.2	4178286	9.17, 41782	25.0824	15.07438	138.00946	507.91812	256.39153	16734.57469	211.8106	106.96205	4271.60103	1.02E-06	0.000124	3.15E-05	3.14E-10	9.49E-10	7.5E-10	0	0	0	0	1.019E-09	0.00012351	3.15276E-05	3.21497E-10	0	1.60469E-10	0
790	571119.2	4178326	9.17, 41783	197.49067	14.51391	52.98238	3348.29445	230.6601	7805.71053	1622.72219	95.52079	2122.69744	3.91E-07	5.76E-05	1.57E-05	1.21E-10	3.64E-10	2.88E-10	0	0	0	0	3.911E-10	5.7612E-05	1.56702E-05	1.23441E-10	0	6.16134E-11	0
791	571119.2	4178366	9.17, 41783	10.01384	12.46582	9.59129	630.48898	206.62645	2115.5821	198.58486	83.22549	424.70779	7.08E-08	1.56E-05	3.14E-06	2.19E-11	6.6E-11	5.21E-11	0	0	0	0	7.081E-11	1.5615E-05	3.13502E-06	2.23503E-11	0	1.11557E-11	0
792	571159.2	4178326	9.17, 41783	219.15803	19.05137	35.48029	3124.9508	277.70648	3646.5914	1560.39264	128.55095	753.34584	2.62E-07	2.69E-05	5.56E-06	8.08E-11	2.44E-10	1.93E-10	0	0	0	0	2.619E-10	2.6915E-05	5.56334E-06	8.26748E-11	0	4.12657E-11	0
793	570808.8	4178465	8.82, 41784	10.95844	3.34212	2.15804	1253.90468	193.66587	956.23037	302.59047	56.7134	159.37173	1.59E-08	7.06E-06	1.18E-06	4.92E-12	1.48E-11	1.17E-11	0	0	0	0	1.594E-11	7.0582E-06	1.17688E-06	5.02968E-12	0	2.51048E-12	0
794	570823.9	4178530	3.91, 41785	3.05561	3.25593	2.40542	358.64643	197.99385	1108.94733	70.39413	63.38636	140.39269	1.78E-08	8.19E-06	1.04E-06	5.48E-12	1.65E-11	1.31E-11	0	0	0	0	1.776E-11	8.1852E-06	1.03633E-06	5.60538E-12	0	2.79783E-12	0
795	570883.3	4178602	3.31, 41786	3.07425	4.49746	2.05933	479.66242	287.53386	914.81532	94.76169	103.00469	119.05382	1.52E-08	6.75E-06	8.79E-07	4.69E-12	1.42E-11	1.12E-11	0	0	0	0	1.521E-11	6.7526E-06	8.78886E-07	4.7999E-12	0	2.39578E-12	0
796	571181.5	4178310	1.45, 41783	77.30582	13.12592	35.80897	2585.53888	242.23364	1672.90767	872.95261	114.20023	513.62427	2.64E-07	1.23E-05	3.79E-06	8.16E-11	2.46E-10	1.95E-10	0	0	0	0	2.643E-10	1.2348E-05	3.79265E-06	8.34279E-11	0	4.16415E-11	0
797	571067.8	4178207	7.83, 41782	5.36607	4.9243	1.64986	895.65181	299.02694	904.65641	223.56067	96.05921	144.20823	1.22E-08	6.68E-06	1.06E-06	3.76E-12	1.14E-11	8.97E-12	0	0	0	0	1.219E-11	6.6777E-06	1.0648E-06	3.84645E-12	0	1.91989E-12	0
798	570799.9	4178447	9.89, 41784	4.88888	2.78293	1.75814	732.83791	152.28075	768.58836	142.77112	52.0733	124.31973	1.3E-08	5.67E-06	9.18E-07	4.01E-12	1.21E-11	9.55E-12	0	0	0	0	1.298E-11	5.6731E-06	9.17849E-07	4.09742E-12	0	2.04515E-12	0

	Trenching	Grading	Stockpile
Emissions Rate (g/s):	5.39E-13	4.79E-12	1.94E-08

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	0.019	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	0.019	10	2	70	0.85
2<9	861	1	0.854795	0.000001	0.019	3	0.55	70	0.72
Student	640	1	0.493151	0.000001	0.019	3	2.8	70	1
Worker	230	1	0.684932	0.000001	0.019	1	2.8	70	1

Chloroform

	Chronic (Annu	Acute (1hr)	8hr
REL:	300	150	1

				Concentration [µg/m^3] at 1 g/s									Concentration (µg/m^3)			Unmitigated										Student		Worker	
													Unmitigated			Residential Dose			Risk by Age Group				Unmitigated			Unmitigated		Unmitigated	
#	X	Y	X,Y	Trenching Period	Grading Period	Stockpile Period	Treching 1hr	Grading 1hr	Stockpile 1hr	Trenching 8hr	Grading 8hr	Stockpile 8hr	Period Tota	1hr Total	8hr Total	3rd	0<2	2<9	3rd	0<2	2<9	Total Risk	Chronic	Acute	8hr	Dose	Risk	Dose	Risk
1	570310.6	4177919	0.55, 41779	0.08215	0.06425	0.08047	53.98877	25.74637	57.86027	6.7486	3.78109	7.23253	1.56E-09	1.12E-06	1.4E-07	4.82E-13	1.46E-12	1.15E-12	2.78E-16	6.72E-15	3.71E-16	7.36912E-15	5.21E-12	7.4919E-09	1.4049E-07	4.93326E-13	1.12478E-15	2.46235E-13	1.87139E-16
2	570350.6	4177919	0.55, 41779	0.08744	0.06946	0.0859	61.34869	26.43683	62.74615	7.66859	3.66465	7.84327	1.67E-09	1.22E-06	1.52E-07	5.15E-13	1.55E-12	1.23E-12	2.97E-16	7.17E-15	3.96E-16	7.8664E-15	5.562E-12	8.1245E-09	1.52355E-07	5.26617E-13	1.20069E-15	2.62851E-13	1.99767E-16
3	570390.6	4177919	0.55, 41779	0.09273	0.07514	0.09126	67.57642	27.23616	68.95787	8.44705	3.80844	8.61973	1.77E-09	1.34E-06	1.67E-07	5.47E-13	1.65E-12	1.3E-12	3.16E-16	7.62E-15	4.21E-16	8.35727E-15	5.909E-12	8.9287E-09	1.67438E-07	5.59479E-13	1.27561E-15	2.79254E-13	2.12233E-16
4	570430.6	4177919	0.55, 41779	0.09799	0.08123	0.09661	71.34976	28.07066	72.35504	8.91872	4.01428	9.04438	1.88E-09	1.41E-06	1.76E-07	5.79E-13	1.75E-12	1.38E-12	3.34E-16	8.07E-15	4.45E-16	8.84725E-15	6.255E-12	9.3686E-09	1.75687E-07	5.9228E-13	1.3504E-15	2.95626E-13	2.24676E-16
5	570470.6	4177919	0.55, 41779	0.10292	0.08757	0.10182	71.34124	28.88227	71.18869	8.91766	4.18506	8.89859	1.98E-09	1.38E-06	1.73E-07	6.1E-13	1.84E-12	1.46E-12	3.52E-16	8.5E-15	4.69E-16	9.32441E-15	6.593E-12	9.2176E-09	1.72856E-07	6.24223E-13	1.42323E-15	3.1157E-13	2.36793E-16
6	570510.6	4177919	0.55, 41779	0.10719	0.09397	0.10631	70.57748	29.51269	72.86498	8.82218	4.31581	9.10812	2.07E-09	1.42E-06	1.77E-07	6.37E-13	1.92E-12	1.52E-12	3.68E-16	8.88E-15	4.9E-16	9.73564E-15	6.883E-12	9.4346E-09	1.76924E-07	6.51754E-13	1.486E-15	3.25311E-13	2.47236E-16
7	570550.6	4177919	0.55, 41779	0.11095	0.10041	0.10942	80.02506	30.00614	83.29269	10.00313	4.88273	10.41159	2.13E-09	1.62E-06	2.02E-07	6.56E-13	1.98E-12	1.56E-12	3.78E-16	9.14E-15	5.04E-16	1.00205E-14	7.085E-12	1.0785E-08	2.02243E-07	6.70826E-13	1.52948E-15	3.34831E-13	2.54471E-16
8	570590.6	4177919	0.55, 41779	0.11537	0.10684	0.11183	81.14556	31.22548	84.40479	10.14319	5.49199	10.5506	2.17E-09	1.64E-06	2.05E-07	6.7E-13	2.02E-12	1.6E-12	3.87E-16	9.34E-15	5.16E-16	1.02413E-14	7.241E-12	1.0929E-08	2.04944E-07	6.85608E-13	1.56319E-15	3.42209E-13	2.60079E-16
9	570630.6	4177919	0.55, 41779	0.12154	0.11343	0.11602	82.02682	32.76834	84.97635	10.54682	6.07261	10.62204	2.25E-09	1.65E-06	2.06E-07	6.95E-13	2.1E-12	1.66E-12	4.01E-16	9.69E-15	5.35E-16	1.06251E-14	7.512E-12	1.1003E-08	2.06333E-07	7.113E-13	1.62176E-15	3.55032E-13	2.69825E-16
10	570670.6	4177919	0.55, 41779	0.12896	0.11974	0.12346	90.28793	34.09351	94.2666	12.11861	6.60764	13.84836	2.4E-09	1.83E-06	2.69E-07	7.4E-13	2.23E-12	1.77E-12	4.27E-16	1.03E-14	5.69E-16	1.13065E-14	7.994E-12	1.2206E-08	2.68996E-07	7.56912E-13	1.72576E-15	3.77799E-13	2.87127E-16
11	570710.6	4177919	0.55, 41779	0.13589	0.12543	0.13131	92.03158	38.34133	98.54944	11.50395	7.03486	13.72911	2.55E-09	1.91E-06	2.67E-07	7.87E-13	2.38E-12	1.88E-12	4.54E-16	1.1E-14	6.05E-16	1.20253E-14	8.502E-12	1.276E-08	2.66677E-07	8.05036E-13	1.83548E-15	4.01819E-13	3.05382E-16
12	570750.6	4177919	0.55, 41779	0.14097	0.13029	0.13561	98.93292	42.68075	106.54938	12.36662	7.25038	14.15663	2.63E-09	2.07E-06	2.75E-07	8.13E-13	2.45E-12	1.94E-12	4.69E-16	1.13E-14	6.25E-16	1.24191E-14	8.781E-12	1.3796E-08	2.74984E-07	8.31399E-13	1.89559E-15	4.14978E-13	3.15383E-16
13	570790.6	4177919	0.55, 41779	0.1434	0.13429	0.137	101.78306	44.96916	112.12821	12.72288	7.16867	14.01603	2.66E-09	2.18E-06	2.72E-07	8.21E-13	2.48E-12	1.96E-12	4.74E-16	1.14E-14	6.32E-16	1.25465E-14	8.871E-12	1.4518E-08	2.72255E-07	8.39925E-13	1.91503E-15	4.19234E-13	3.18618E-16
14	570830.6	4177919	0.55, 41779	0.14249	0.1373	0.1371	103.05806	46.92439	113.14313	12.88226	6.63254	14.14289	2.66E-09	2.2E-06	2.75E-07	8.22E-13	2.48E-12	1.96E-12	4.74E-16	1.14E-14	6.32E-16	1.25557E-14	8.877E-12	1.465E-08	2.7472E-07	8.40543E-13	1.91644E-15	4.19542E-13	3.18852E-16
15	570870.6	4177919	0.55, 41779	0.13915	0.13926	0.13269	113.81753	49.41272	127.10432	14.22719	6.17659	15.88804	2.58E-09	2.47E-06	3.09E-07	7.95E-13	2.4E-12	1.9E-12	4.59E-16	1.11E-14	6.12E-16	1.2152E-14	8.592E-12	1.6458E-08	3.08617E-07	8.13515E-13	1.85481E-15	4.06051E-13	3.08599E-16
16	570910.6	4177919	0.55, 41779	0.13537	0.14116	0.12571	103.09741	52.00284	118.27061	16.13684	6.50036	14.78383	2.44E-09	2.3E-06	2.87E-07	7.54E-13	2.28E-12	1.8E-12	4.35E-16	1.05E-14	5.8E-16	1.1513E-14	8.14E-12	1.5314E-08	2.87184E-07	7.70736E-13	1.75728E-15	3.84699E-13	2.92371E-16
17	570950.6	4177919	0.55, 41779	0.13129	0.14261	0.12523	128.63222	54.75687	154.09416	19.7206	7.6051	23.34348	2.43E-09	2.99E-06	4.53E-07	7.51E-13	2.27E-12	1.79E-12	4.33E-16	1.05E-14	5.77E-16	1.1469E-14	8.109E-12	1.9952E-08	4.53429E-07	7.67795E-13	1.75057E-15	3.83231E-13	2.91256E-16
18	570990.6	4177919	0.55, 41779	0.12715	0.1442	0.12572	126.51514	58.01026	163.29109	18.07359	9.36612	23.3273	2.44E-09	3.17E-06	4.53E-07	7.54E-13	2.28E-12	1.8E-12	4.35E-16	1.05E-14	5.8E-16	1.15139E-14	8.141E-12	2.1143E-08	4.53106E-07	7.708E-13	1.75742E-15	3.84731E-13	2.92396E-16
19	571030.6	4177919	0.55, 41779	0.12254	0.14609	0.11762	125.39004	62.99788	174.41478	17.19472	10.49965	21.80185	2.28E-09	3.39E-06	4.23E-07	7.05E-13	2.13E-12	1.68E-12	4.07E-16	9.82E-15	5.42E-16	1.07724E-14	7.616E-12	2.2583E-08	4.23477E-07	7.21156E-13	1.64424E-15	3.59952E-13	2.73564E-16
20	571070.6	4177919	0.55, 41779	0.1201	0.14847	0.1104	126.80092	67.58831	177.9713	16.22667	10.87469	22.24641	2.14E-09	3.46E-06	4.32E-07	6.62E-13	2E-12	1.58E-12	3.82E-16	9.22E-15	5.09E-16	1.01114E-14	7.149E-12	2.3044E-08	4.32105E-07	6.76907E-13	1.54335E-15	3.37866E-13	2.56778E-16
21	571110.6	4177919	0.55, 41779	0.1205	0.15044	0.10927	126.62476	68.47754	165.66905	20.2586	9.61445	20.70863	2.12E-09	3.22E-06	4.02E-07	6.55E-13	1.98E-12	1.56E-12	3.78E-16	9.13E-15	5.04E-16	1.0008E-14	7.076E-12	2.1451E-08	4.02264E-07	6.69984E-13	1.52756E-15	3.3441E-13	2.54152E-16
22	571150.6	4177919	0.55, 41779	0.1212	0.15159	0.11602	131.66409	62.22893	172.39569	21.10658	9.19459	24.99313	2.25E-09	3.35E-06	4.85E-07	6.96E-13	2.1E-12	1.66E-12	4.01E-16	9.69E-15	5.35E-16	1.0626E-14	7.513E-12	2.2322E-08	4.85472E-07	7.11357E-13	1.6219E-15	3.55061E-13	2.69847E-16
23	571190.6	4177919	0.55, 41779	0.12215	0.15198	0.11825	137.85581	66.48698	180.99172	19.69369	10.25241	26.94632	2.3E-09	3.52E-06	5.23E-07	7.09E-13	2.14E-12	1.69E-12	4.09E-16	9.88E-15	5.45E-16	1.08302E-14	7.657E-12	2.3435E-08	5.23395E-07	7.25026E-13	1.65306E-15	3.61884E-13	2.75032E-16
24	571230.6	4177919	0.55, 41779	0.12354	0.15154	0.11348	148.65332	75.08948	179.38421	21.23619	9.50538	22.42303	2.2E-09	3.48E-06	4.36E-07	6.8E-13	2.05E-12	1.62E-12	3.92E-16	9.48E-15	5.23E-16	1.03934E-14	7.348E-12	2.3227E-08	4.35562E-07	6.9579E-13	1.5864E-15	3.47291E-13	2.63941E-16
25	571270.6	4177919	0.55, 41779	0.12544	0.15047	0.11372	135.01221	73.55453	181.97135	18.66937	9.80753	25.99591	2.21E-09	3.53E-06	5.05E-07	6.82E-13	2.06E-12	1.63E-12	3.93E-16	9.5E-15	5.24E-16	1.04154E-14	7.364E-12	2.3562E-08	5.04933E-07	6.97259E-13	1.58975E-15	3.48024E-13	2.64499E-16
26	571310.6	4177919	0.55, 41779	0.12844	0.14895	0.1185	144.25948	74.57026	160.72945	18.03243	9.63087	20.79832	2.3E-09	3.12E-06	4.04E-07	7.1E-13	2.14E-12	1.69E-12	4.1E-16	9.9E-15	5.46E-16	1.0853E-14	7.673E-12	2.0812E-08	4.03994E-07	7.26555E-13	1.65655E-15	3.62647E-13	2.75612E-16
27	571350.6	4177919	0.55, 41779	0.13264	0.1484	0.12186	134.13439	65.82548	182.86761	16.7668	8.49886	22.85845	2.37E-09	3.55E-06	4.44E-07	7.3E-13	2.21E-12	1.74E-12	4.21E-16	1.02E-14	5.62E-16	1.11606E-14	7.891E-12	2.3677E-08	4.43994E-07	7.47149E-13	1.7035E-15	3.72926E-13	2.83424E-16
28	571390.6	4177919	0.55, 41779	0.13487	0.1464	0.12015	140.45529	51.40311	177.22554	17.55691	7.98518	22.15319	2.33E-09	3.44E-06	4.3E-07	7.2E-13	2.17E-12	1.72E-12	4.15E-16	1E-14	5.54E-16	1.1004E-14	7.78E-12	2.2947E-08	4.30302E-07	7.36665E-13	1.6796E-15	3.67693E-13	2.79447E-16
29	571430.6	4177919	0.55, 41779	0.14548	0.15293	0.12366	139.19794	49.3636	190.22803	17.39974	7.65374	23.7785	2.4E-09	3.69E-06	4.62E-07	7.41E-13	2.24E-12	1.77E-12	4.28E-16	1.03E-14	5.7E-16	1.13256E-14	8.008E-12	2.463E-08	4.61864E-07	7.58191E-13	1.72867E-15	3.78437E-13	2.87612E-16
30	571470.6	4177919	0.55, 41779	0.15916	0.16179	0.13045	134.87595	45.89373	190.37308	16.85949	6.86379	23.79664	2.53E-09	3.7E-06	4.62E-07	7.82E-13	2.36E-12	1.87E-12	4.51E-16	1.09E-14	6.01E-16	1.19475E-14	8.447E-12	2.4649E-08	4.62214E-07	7.99823E-13	1.8236E-15	3.99217E-13	3.03405E-16
31	571510.6	4177919	0.55, 41779	0.17426	0.17151	0.14116	122.2315	42.4201	161.48029	15.27894	5.85942	20.18504	2.74E-09	3.14E-06	3.92E-07	8.46E-13	2.55E-12	2.02E-12	4.88E-16	1.18E-14	6.51E-16	1.29283E-14	9.141E-12	2.0908E-08	3.92069E-07	8.65484E-13	1.9733E-15	4.31991E-13	3.28313E-16
32	571550.6	4177919	0.55, 41779	0.18787	0.18026	0.15558	112.99449	35.73716	155.78517	14.12431	5.76206	19.47315	3.02E-09	3.03E-06	3.78E-07	9.33E-13	2.82E-12	2.22E-12	5.38E-16	1.3E-14	7.17E-16	1.42487E-14	1.007E-11	2.017E-08	3.78238E-07	9.53883E-13	2.17485E-15	4.76113E-13	3.61846E-16
33	571590.6	4177919	0.55, 41779	0.19949	0.18751	0.17419	94.68734	29.26563	123.69427	11.83592	5.30509	15.46178	3.38E-09	2.4E-06	3E-07	1.04E-12	3.15E-12	2.49E-12	6.02E-16	1.45E-14	8.03E-16	1.59528E-14	1.128E-11	1.6015E-08	3.00326E-07	1.06796E-12	2.43495E-15	5.33053E-13	4.0512E-16
34	570310.6	4177959	0.55, 41779	0.08597	0.06676	0.0838	56.89619	26.25101	62.23098	7.11202	4.18522	7.77887	1.63E-09	1.21E-06	1.51E-07	5.02E-13	1.52E-12	1.2E-12	2.9E-16	7E-15	3.86E-16	7.67406E-15	5.426E-12	8.0578E-09	1.51101E-07	5.13741E-13	1.17133E-15	2.56425E-13	1.94883E-16
35	570350.6	4177959	0.55, 41779	0.09204	0.07257	0.08995	58.96006	27.16756	63.77509	7.37001	4.19821	7.97189	1.75E-09	1.24E-06	1.55E-07	5.39E-13	1.63E-12	1.29E-12	3.11E-16	7.51E-15	4.15E-16	8.23728E-15	5.824E-12	8.2577E-09	1.54851E-07	5.51445E-13	1.2573E-15	2.75244E-13	2.09185E-16
36	570390.6	4177959	0.55, 41779	0.09833	0.07904	0.09639	63.0038	28.02201	66.12463	7.87548	4.15896	8.26558	1.87E-09	1.28E-06	1.61E-07	5.78E-13	1.74E-12	1.38E-12	3.33E-16	8.05E-15	4.44E-16	8.82706E-15	6.241E-12	8.5619E-09	1.60557E-07	5.90928E-13	1.34732E-15	2.94951E-13	2.24163E-16
37	570430.6	4177959	0.55, 41779	0.10461	0.08611	0.10266	70.72142	28.76698	72.80329	8.84018	4.23038	9.10041	1.99E-09	1.41E-06	1.77E-07	6.15E-13	1.86E-12	1.47E-12	3.55E-16	8.57E-15	4.73E-16	9.40128E-15	6.647E-12	9.4266E-09	1.76774E-07	6.2937E-13	1.43496E-15	3.14139E-13	2.38745E-16
38	570470.6	4177959	0.55, 41779	0.11098	0.09385	0.10929	78.78718	29.82596	80.74124	9.8484	4.47695	10.09265	2.12E-09	1.57E-06	1.96E-07	6.55E-13	1.98E-12	1.56E-12	3.78E-16	9.13E-15	5.04E-16	1.00085E-14	7.076E-12	1.0454E-08	1.96049E-07	6.70019E-13	1.52764E-15	3.34428E-13	2.54165E-16
39	570510.6	4177959	0.55, 41779	0.1169	0.10189	0.11567	83.26174	30.87615	84.48278	10.40772	4.70339	10.56035	2.25E-09	1.64E-06	2.05E-07	6.93E-13	2.09E-12	1.65E-12	4E-16	9.66E-15	5.33E-16	1.05928E-14	7.489E-12	1.0939E-08	2.05134E-07	7.09136E-13	1.61683E-15	3.53953E-13	2.69004E-16
40	570550.6	4177959	0.55, 41779	0.12213	0.11	0.12099	82.46075	31.83495	82.01237	10.30759	4.9071	10.25155	2.35E-09	1.59E-06	1.99E-07	7.25E-13	2.19E-12	1.73E-12	4.18E-16	1.01E-14	5.58E-16	1.10801E-14	7.834E-12	1.0619E-08	1.99137E-07	7.41757E-13	1.69121E-15	3.70235E-13	2.81378E-16
41	570590.6	4177959	0.55, 41779	0.1275	0.1185	0.12492	87.61849	32.53805	91.54904	10.95231	5.6614	11.44363	2.43E-09	1.78E-06	2.22E-07	7.49E-13	2.26E-12	1.79E-12	4.32E-16	1.04E-14	5.76E-16	1.14401E-14	8.088E-12	1.1854E-08	2.2229E-07	7.65858E-13	1.74616E-15	3.82264E-13	2.90521E-16
42	570630.6	4177959	0.55, 41779	0.13429	0.12721	0.12893	94.25098	33.95012	99.61773	11.78137	6.34882	12.45222	2.5E-09	1.93E-06	2.42E-07	7.73E-13	2.33E-12	1.84E-12	4.46E-16	1.08E-14	5.94E-16	1.18074E-14	8.348E-12	1.2898E-08	2.41881E-07	7.90451E-13	1.80223E-15	3.94539E-13	2.9985E-16
43	570670.6	4177959	0.55, 41779	0.1434	0.13582	0.13624	91.47953	35.4429	96.20253	12.89467	6.97952	13.63762	2.65E-09	1.87E-06	2.65E-07	8.17E-13	2.47E-12	1.95E-12	4.71E-16	1.14E-14	6.28E-16	1.24769E-14	8.822E-12	1.2456E-08	2.64907E-07	8.35269E-13	1.90441E-15	4.1691E-13	3.16851E-16
44	570710.6	4177959	0.55, 41779	0.15342	0.14402	0.1467	103.54122	38.62398	108.53691	12.94265	7.57754	15.98544	2.85E-09	2.11E-06	3.11E-07	8.79E-13	2.66E-12	2.1E-12	5.07E-16	1.23E-14	6.76E-16	1.34348E-14	9.499E-12	1.4053E-08	3.10502E-07	8.99395E-13	2.05062E-15	4.48917E-13	3.41177E-16
45	570750.6	4177959	0.55, 41779	0.16261	0.1515	0.15549	105.52732	44.38977	114.23814	13.19092	8.09206	15.7724	3.02E-09	2.22E-06	3.06E-07	9.32E-13	2.81E-12	2.22E-12	5.38E-16	1.3E-14	7.17E-16	1.42398E-14	1.007E-11	1.4792E-08	3.06366E-07	9.53283E-13	2.17349E-15	4.75814E-13	3.61619E-16
46	570790.6	4177959	0.55, 41779	0.16989	0.15823	0.16076	113.60479	47.24143	124.57926	14.2006	8.3928	15.57241	3.12E-09	2.42E-06	3.02E-07	9.64E-13	2.91E-12	2.3E-12	5.56E-16	1.34E-14	7.41E-16	1.47224E-14	1.041E-11	1.6131E-08	3.02487E-07	9.85595E-13	2.24716E-15	4.91942E-13	3.73876E-16
47	570830.6	4177959	0.55, 41779	0.1738	0.16401	0.16481	115.20896	49.45722	130.36471	14.40112	8.28774	16.29559	3.2E-09	2.53E-06	3.17E-07	9.88E-13	2.98E-12	2.36E-12	5.7E-16	1.38E-14	7.6E-16	1.50934E-14	1.067E-11	1.688E-08	3.16532E-07	1.01043E-12	2.30378E-15	5.04337E-13	3.83296E-16
48	570870.6	4177959	0.55, 41779	0.17339	0.16851	0.16469	122.33209	52.01335	138.82114	15.29151	7.46689	17.35264	3.2E-09	2.7E-06	3.37E-07	9.87E-13	2.98E-12	2.35E-12	5.69E-16	1.38E-14	7.59E-16	1.50825E-14	1.066E-11	1.7975E-08	3.37065E-07	1.0097E-12	2.30211E-15	5.03973E-13	3.8302E-16
49	570910.6	4177959	0.55, 41779	0.16973	0.17204	0.1579	128.70888	55.67631	149.19916	16.08861	6.95954	18.64989	3.07E-09	2.9E-06	3.62E-07	9.47E-13	2.86E-12	2.26E-12	5.46E-16	1.32E-14	7.28E-16	1.44609E-14	1.022E-11	1.9318E-08	3.62261E-07	9.68087E-13	2.20724E-15	4.83203E-13	3.67234E-16
50	570950.6	4177959	0.55, 41779	0.16375	0.1746	0.15354	137.78687	58.35606	146.62449	21.41966	8.40086	22.62642	2.98E-09	2.85E-06	4.4E-07	9.2E-13	2.78E-12	2.2E-12	5.31E-16	1.28E-14	7.08E-16	1.40618E-14	9.942E-12	1.8985E-08	4.39513E-07	9.41366E-13	2.14632E-15	4.69866E-13	3.57098E-16
51	570990.6	4177959	0.55, 41779	0.1571	0.17611	0.15296	148.41379	62.43724	189.01685	21.20197	10.20575	28.13097	2.97E-09	3.67E-06	5.46E-07	9.17E-13	2.77E-12	2.19E-12	5.29E-16	1.28E-14	7.05E-16	1.40087E-14	9.905E-12	2.4474E-08	5.46408E-07	9.37813E-13	2.13821E-15	4.68092E-13	3.5575E-16
52	571030.6	4177959	0.55, 41779	0.15135	0.1787	0.14372	141.29712	68.4386	198.29024	19.05284	11.40643	25.9054	2.79E-09	3.85E-06	5.03E-07	8.62E-13	2.6E-12	2.05E-12	4.97E-16	1.2E-14	6.63E-16	1.31628E-14	9.306E-12	2.5674E-08	5.03177E-07	8.81182E-13	2.00909E-15	4.39826E-13	3.34268E-16
53	571070.6	4177959	0.55, 41779	0.14838	0.1815	0.13361	143.49488	74.36914	202.29359	18.79197	11.80682	25.2867	2.6E-09	3.93E-06	4.91E-07	8.01E-13	2.42E-12	1.91E-12	4.62E-16	1.12E-14	6.16E-16	1.22372E-14	8.652E-12	2.6193E-08	4.91161E-07	8.1922E-13	1.86782E-15	4.08899E-13	3.10763E-16
54	571110.6	4177959	0.55, 41779	0.14858	0.18375	0.13332	140.62761	73.34522	192.64407	22.74237	10.22286	24.08051	2.59E-09	3.74E-06	4.68E-07	7.99E-13	2.41E-12	1.91E-12	4.61E-16	1.11E-14	6.15E-16	1.22107E-14	8.633E-12	2.4943E-08	4.67758E-07	8.17446E-13	1.86378E-15	4.08013E-13	3.1009E-16
55	571150.6	4177959	0.55, 41779	0.14994	0.18566	0.14292	146.3467	67.83983	199.40983	22.92053	11.48399	30.37919	2.78E-09	3.87E-06	5.9E-07	8.57E-13	2.59E-12	2.04E-12	4.94E-16	1.19E-14	6.59E-16	1.30897E-14	9.255E-12	2.5819E-08	5.90077E-07	8.76289E-13	1.99794E-15	4.37384E-13	3.32412E-16
56	571190.6	4177959	0.55, 41779	0.1525	0.18616	0.14359	161.89014	78.97315	204.49698	23.12716	11.84075	29.21385	2.79E-09	3.97E-06	5.67E-07	8.61E-13	2.6E-12	2.05E-12	4.96E-16	1.2E-14	6.62E-16	1.3151E-14	9.298E-12	2.6478E-08	5.67448E-07	8.80397E-13	2.0073E-15	4.39434E-13	3.3397E-16
57	571230.6	4177959	0.55, 41779	0.15542	0.18516	0.1383	156.07845	81.92899	197.17574	22.29692	11.22006	24.64697	2.69E-09	3.83E-06	4.79E-07	8.29E-13	2.5E-12	1.98E-12	4.78E-16	1.16E-14	6.38E-16	1.26667E-14	8.956E-12	2.553E-08	4.78756E-07	8.47972E-13	1.93338E-15	4.2325E-13	3.2167E-16
58	571270.6	4177959	0.55, 41779	0.15909	0.18379	0.14205	158.42767	82.70179	205.30007	19.80346	11.54254	29.32858	2.76E-09	3.99E-06	5.7E-07	8.52E-13	2.57E-12	2.03E-12	4.91E-16	1.19E-14	6.55E-16	1.301E-14	9.198E-12	2.6582E-08	5.69658E-07	8.70955E-13	1.98578E-15	4.34722E-13	3.30388E-16
59	571310.6	4177959	0.55, 41779	0.1655	0.18382	0.1484	150.26158	75.50789	204.0765	18.7827	10.48328	25.50956	2.88E-09	3.96E-06	4.95E-07	8.9E-13	2.69E-12	2.12E-12	5.13E-16	1.24E-14	6.84E-16	1.35914E-14	9.61E-12	2.6424E-08	4.95489E-07	9.09877E-13	2.07452E-15	4.54149E-13	3.45153E-16
60	571350.6	4177959	0.55, 41779	0.17654	0.1881	0.15257	154.82597	60.83045	189.56737	19.35325	9.71095	23.69592	2.96E-09	3.68E-06	4.6E-07	9.15E-13	2.76E-12	2.18E-12	5.28E-16	1.27E-14	7.03E-16	1.39733E-14	9.88E-12	2.4545E-08	4.60271E-07	9.35444E-13	2.13281E-15	4.6691E-13	3.54851E-16
61	571390.6	4177959	0.55, 41779	0.18842	0.1934	0.15428	152.92189	54.55359	214.59873	19.11524	9.16318	26.82484	3E-09	4.17E-06	5.21E-07	9.25E-13	2.79E-12	2.21E-12	5.33E-16	1.29E-14	7.11E-16	1.413E-14	9.99E-12	2.7785E-08	5.21033E-07	9.45935E-13	2.15673E-15	4.72146E-13	3.58831E-16
62	571430.6	4177959	0.55, 41779	0.20645	0.20414	0.16292	148.33328	50.38722	217.66749	18.54166	8.09078	27.20844	3.16E-09	4.23E-06	5.28E-07	9.77E-13	2.95E-12	2.33E-12	5.63E-16	1.36E-14	7.51E-16	1.49213E-14	1.055E-11	2.8182E-08	5.28479E-07	9.9891E-13	2.27751E-15	4.98588E-13	3.78927E-16
63	571470.6	4177959	0.55, 41779	0.22554	0.21577	0.17809	134.13897	46.24246	185.84967	16.76737	6.92684	23.23121	3.46E-09	3.61E-06	4.51E-07	1.07E-12	3.22E-12	2.55E-12	6.16E-16	1.49E-14	8.21E-16	1.63105E-14	1.153E-11	2.4063E-08	4.51233E-07	1.09191E-12	2.48956E-15	5.45007E-13	4.14206E-16
64	571510.6	4177959	0.55, 41779	0.24332	0.22654	0.20114	122.33786	38.55117	174.21255	15.29223	6.75463	21.77657	3.91E-09	3.38E-06	4.23E-07	1.21E-12	3.64E-12	2.88E-12	6.95E-16	1.68E-14	9.27E-16	1.84212E-14	1.302E-11	2.2556E-08	4.22976E-07	1.23321E-12	2.81171E-15	6.15533E-13	4.67805E-16
65	571550.6	4177959	0.55, 41779	0.25539	0.23344	0.22684	100.38932	31.1899	131.18831	12.54867	6.13877	16.39854	4.41E-09	2.55E-06	3.19E-07	1.36E-12	4.11E-12	3.24E-12	7.84E-16	1.89E-14	1.05E-15	2.07743E-14	1.469E-11	1.6986E-08	3.18522E-07	1.39074E-12	3.17089E-15	6.94163E-13	5.27564E-16
66	571590.6	4177959	0.55, 41779	0.26174	0.2364	0.25018	103.20811	24.1035	113.64553	12.90101	5.55119	14.20569	4.86E-09	2.21E-06	2.76E-07	1.5E-12	4.53E-12	3.58E-12	8.65E-16	2.09E-14	1.15E-15	2.29113E-14	1.62E-11	1.4714E-08	2.75939E-07	1.5338E-12	3.49707E-15	7.65569E-13	5.81832E-16
67	570310.6	4177999	0.55, 41779	0.08992	0.06909	0.08739	61.55411	26.71644	63.33313	7.69426	4.42886	7.91664	1.7E-09	1.23E-06	1.54E-07	5.24E-13	1.58E-12	1.25E-12	3.02E-16	7.3E-15	4.03E-16	8.00281E-15	5.658E-12	8.2005E-09	1.5378E-07	5.35749E-13	1.22151E-15	2.67409E-13	2.03231E-16
68	570350.6	4177999	0.55, 41779	0.09687	0.07551	0.09431	63.16088	27.72336	68.96816	7.89511	4.52605	8.62102	1.83E-09	1.34E-06	1.67E-07	5.65E-13	1.71E-12	1.35E-12	3.26E-16	7.88E-15	4.35E-16	8.63654E-15	6.106E-12	8.9301E-09	1.6746E-07	5.78174E-13	1.31824E-15	2.88585E-13	2.19325E-16
69	570390.6	4177999	0.55, 41779	0.10411	0.08268	0.10154	65.18315	28.66629	70.59128	8.14789	4.5901	8.82391	1.97E-09	1.37E-06	1.71E-07	6.09E-13	1.84E-12	1.45E-12	3.51E-16	8.48E-15	4.68E-16	9.29866E-15	6.574E-12	9.1402E-09	1.71401E-07	6.225E-13	1.4193E-15	3.1071E-13	2.36139E-16
70	570430.6	4177999	0.55, 41779	0.11178	0.0909	0.10932	69.77828	29.77159	73.90272	8.72229	4.64595	9.23784	2.12E-09	1.44E-06	1.79E-07	6.55E-13	1.98E-12	1.56E-12	3.78E-16	9.13E-15	5.04E-16	1.00112E-14	7.078E-12	9.569E-09	1.79443E-07	6.70199E-13	1.52805E-15	3.34518E-13	2.54233E-16
71	570470.6	4177999	0.55, 41779	0.11947	0.09994	0.11702	73.23749	30.82615	79.61188	9.15469	4.70414	9.95148	2.27E-09	1.55E-06	1.93E-07	7.01E-13	2.12E-12	1.67E-12	4.05E-16	9.77E-15	5.39E-16	1.07164E-14	7.577E-12	1.0308E-08	1.93304E-07	7.17408E-13	1.63569E-15	3.58081E-13	2.72142E-16
72	570510.6	4177999	0.55, 41779	0.12689	0.1096	0.1248	83.36058	31.87471	86.19643	10.42007	5.00665	10.77455	2.42E-09	1.67E-06	2.09E-07	7.48E-13	2.26E-12	1.78E-12	4.31E-16	1.04E-14	5.75E-16	1.14289E-14	8.081E-12	1.1161E-08	2.09294E-07	7.65109E-13	1.74445E-15	3.8189E-13	2.90237E-16
73	570550.6	4177999	0.55, 41779	0.1338	0.11968	0.13227	93.92369	33.13511	96.59692	11.74046	5.30601	12.07462	2.57E-09	1.88E-06	2.35E-07	7.93E-13	2.39E-12	1.89E-12	4.57E-16	1.1E-14	6.1E-16	1.21131E-14	8.564E-12	1.2507E-08	2.34548E-07	8.10911E-13	1.84888E-15	4.04751E-13	3.07611E-16
74	570590.6	4177999	0.55, 41779	0.14077	0.13095	0.13895	98.98148	34.43475	100.81152	12.37268	5.77536	12.60144	2.7E-09	1.96E-06	2.45E-07	8.33E-13	2.51E-12	1.99E-12	4.8E-16	1.16E-14	6.41E-16	1.27249E-14	8.997E-12	1.3053E-08	2.44782E-07	8.51872E-13	1.94227E-15	4.25196E-13	3.23149E-16
75	570630.6	4177999	0.55, 41779	0.14863	0.14246	0.14416	96.29887	35.58815	97.29546	12.03736	6.62596	12.16193	2.8E-09	1.89E-06	2.36E-07	8.64E-13	2.61E-12	2.06E-12	4.98E-16	1.2E-14	6.65E-16	1.32022E-14	9.334E-12	1.2598E-08	2.36245E-07	8.83824E-13	2.01512E-15	4.41145E-13	3.3527E-16
76	570670.6	4177999	0.55, 41779	0.15906	0.15417	0.15133	108.0953	37.02771	115.61321	13.51191	7.37805	14.45165	2.94E-09	2.25E-06	2.81E-07	9.07E-13	2.74E-12	2.16E-12	5.23E-16	1.26E-14	6.98E-16	1.3859E-14	9.799E-12	1.4969E-08	2.80719E-07	9.27789E-13	2.11536E-15	4.63089E-13	3.51948E-16
77	570710.6	4177999	0.55, 41779	0.17207	0.16581	0.16328	109.21603	39.28347	116.55796	14.39109	8.06843	17.60456	3.17E-09	2.26E-06	3.42E-07	9.79E-13	2.96E-12	2.33E-12	5.65E-16	1.36E-14	7.53E-16	1.49533E-14	1.057E-11	1.5092E-08	3.41952E-07	1.00105E-12	2.2824E-15	4.99657E-13	3.7974E-16
78	570750.6	4177999	0.55, 41779	0.18601	0.17706	0.17647	119.66853	46.10023	126.10142	14.95857	8.7788	16.77146	3.43E-09	2.45E-06	3.26E-07	1.06E-12	3.19E-12	2.52E-12	6.1E-16	1.47E-14	8.14E-16	1.61612E-14	1.143E-11	1.6328E-08	3.25777E-07	1.08192E-12	2.46677E-15	5.40019E-13	4.10414E-16
79	570790.6	4177999	0.55, 41779	0.19953	0.18772	0.18696	122.67556	49.8289	134.57394	15.33445	9.45426	16.82174	3.63E-09	2.61E-06	3.27E-07	1.12E-12	3.38E-12	2.67E-12	6.46E-16	1.56E-14	8.62E-16	1.71219E-14	1.211E-11	1.7425E-08	3.26755E-07	1.14623E-12	2.6134E-15	5.7212E-13	4.34811E-16
80	570830.6	4177999	0.55, 41779	0.21109	0.19773	0.1968	133.54261	52.4094	148.58094	16.69283	9.90962	18.57262	3.82E-09	2.89E-06	3.61E-07	1.18E-12	3.56E-12	2.81E-12	6.8E-16	1.64E-14	9.07E-16	1.80231E-14	1.274E-11	1.9238E-08	3.60764E-07	1.20656E-12	2.75095E-15	6.02232E-13	4.57696E-16
81	570870.6	4177999	0.55, 41779	0.21804	0.20674	0.20398	131.45449	55.15858	156.57352	16.43181	9.77159	19.57169	3.96E-09	3.04E-06	3.8E-07	1.22E-12	3.69E-12	2.92E-12	7.05E-16	1.7E-14	9.4E-16	1.86807E-14	1.321E-11	2.0273E-08	3.80164E-07	1.25058E-12	2.85132E-15	6.24205E-13	4.74395E-16
82	570910.6	4177999	0.55, 41779	0.21803	0.21414	0.20286	148.11273	59.13207	173.84644	18.51409	8.43226	21.73081	3.94E-09	3.38E-06	4.22E-07	1.22E-12	3.67E-12	2.9E-12	7.01E-16	1.69E-14	9.35E-16	1.85783E-14	1.314E-11	2.2509E-08	4.22105E-07	1.24373E-12	2.8357E-15	6.20784E-13	4.71796E-16
83	570950.6	4177999	0.55, 41779	0.2114	0.21889	0.19586	140.12444	63.58464	170.21851	21.83562	9.32684	21.27731	3.8E-09	3.31E-06	4.13E-07	1.17E-12	3.54E-12	2.8E-12	6.77E-16	1.64E-14	9.03E-16	1.79375E-14	1.268E-11	2.204E-08	4.13316E-07	1.20083E-12	2.73789E-15	5.99372E-13	4.55523E-16
84	570990.6	4177999	0.55, 41779	0.2013	0.22185	0.19061	171.25011	67.61488	221.4052	25.43318	11.18299	33.45295	3.7E-09	4.3E-06	6.5E-07	1.14E-12	3.45E-12	2.73E-12	6.59E-16	1.59E-14	8.79E-16	1.74569E-14	1.234E-11	2.8667E-08	6.49782E-07	1.16865E-12	2.66453E-15	5.83312E-13	4.43317E-16
85	571030.6	4177999	0.55, 41779	0.19301	0.22456	0.1804	161.4506	75.02365	233.40135	21.94671	12.50394	33.34305	3.5E-09	4.53E-06	6.48E-07	1.08E-12	3.27E-12	2.58E-12	6.24E-16	1.51E-14	8.32E-16	1.65221E-14	1.168E-11	3.022E-08	6.4763E-07	1.10608E-12	2.52185E-15	5.52078E-13	4.19579E-16
86	571070.6	4177999	0.55, 41779	0.18927	0.22808	0.16676	165.36156	82.48884	231.46597	21.97245	12.95225	28.93325	3.24E-09	4.5E-06	5.62E-07	1E-12	3.02E-12	2.38E-12	5.77E-16	1.39E-14	7.69E-16	1.52734E-14	1.08E-11	2.997E-08	5.61993E-07	1.02248E-12	2.33125E-15	5.10352E-13	3.87868E-16
87	571110.6	4177999	0.55, 41779	0.18141	0.21619	0.16049	158.60632	80.72549	237.56536	25.62624	11.81551	29.69982	3.12E-09	4.61E-06	5.77E-07	9.62E-13	2.9E-12	2.29E-12	5.55E-16	1.34E-14	7.4E-16	1.46991E-14	1.039E-11	3.0759E-08	5.76899E-07	9.8403E-13	2.24359E-15	4.91161E-13	3.73282E-16
88	571150.6	4177999	0.55, 41779	0.19202	0.23351	0.18032	164.05988	80.42402	231.86209	24.96785	14.13496	37.65816	3.5E-09	4.5E-06	7.31E-07	1.08E-12	3.26E-12	2.58E-12	6.23E-16	1.51E-14	8.31E-16	1.6515E-14	1.168E-11	3.0021E-08	7.31444E-07	1.1056E-12	2.52077E-15	5.5184E-13	4.19399E-16
89	571190.6	4177999	0.55, 41779	0.1978	0.23414	0.17819	182.21875	91.74664	241.78028	26.03125	13.21695	31.92825	3.46E-09	4.7E-06	6.2E-07	1.07E-12	3.23E-12	2.55E-12	6.16E-16	1.49E-14	8.22E-16	1.632E-14	1.154E-11	3.1306E-08	6.20176E-07	1.09255E-12	2.49101E-15	5.45325E-13	4.14447E-16
90	571230.6	4177999	0.55, 41779	0.20367	0.23289	0.17473	172.67663	91.69738	231.55794	22.62496	13.85272	33.07971	3.39E-09	4.5E-06	6.43E-07	1.05E-12	3.16E-12	2.5E-12	6.04E-16	1.46E-14	8.06E-16	1.60032E-14	1.131E-11	2.9982E-08	6.42519E-07	1.07134E-12	2.44265E-15	5.34739E-13	4.06402E-16
91	571270.6	4177999	0.55, 41779	0.21358	0.23476	0.18394	171.66845	86.35935	210.57834	21.45856	13.01074	28.58393	3.57E-09	4.09E-06	5.55E-07	1.1E-12	3.33E-12	2.63E-12	6.36E-16	1.54E-14	8.48E-16	1.68465E-14	1.191E-11	2.7266E-08	5.55206E-07	1.12779E-12	2.57137E-15	5.62917E-13	4.27817E-16
92	571310.6	4177999	0.55, 41779	0.23025	0.24083	0.19159	171.26207	72.34733	231.62674	21.40776	11.81711	28.95334	3.72E-09	4.5E-06	5.62E-07	1.15E-12	3.47E-12	2.74E-12	6.62E-16	1.6E-14	8.83E-16	1.75471E-14	1.241E-11	2.999E-08	5.6238E-07	1.17469E-12	2.6783E-15	5.86327E-13	4.45608E-16
93	571350.6	4177999	0.55, 41779	0.25373	0.25254	0.198	169.27826	60.68614	249.61103	21.15978	11.13084	31.20138	3.85E-09	4.85E-06	6.06E-07	1.19E-12	3.58E-12	2.83E-12	6.85E-16	1.65E-14	9.13E-16	1.81343E-14	1.282E-11	3.2318E-08	6.06035E-07	1.214E-12	2.76793E-15	6.05948E-13	4.6052E-16
94	571390.6	4177999	0.55, 41779	0.27999	0.26698	0.21185	164.13881	55.69534	253.30621	20.51735	9.69774	31.66328	4.12E-09	4.92E-06	6.15E-07	1.27E-12	3.83E-12	3.03E-12	7.32E-16	1.77E-14	9.77E-16	1.94027E-14	1.372E-11	3.2797E-08	6.15001E-07	1.29892E-12	2.96153E-15	6.48332E-13	4.92732E-16
95	571430.6	4177999	0.55, 41779	0.30187	0.27888	0.2328	148.06777	50.74185	217.39094	18.50847	8.30154	27.17387	4.52E-09	4.22E-06	5.28E-07	1.4E-12	4.21E-12	3.33E-12	8.05E-16	1.94E-14	1.07E-15	2.13212E-14	1.507E-11	2.8147E-08	5.27807E-07	1.42735E-12	3.25435E-15	7.12434E-13	5.4145E-16
96	571470.6	4177999	0.55, 41779	0.32222	0.29016	0.268	133.22849	41.8567	195.88733	16.65356	8.00082	24.48592	5.21E-09	3.8E-06	4.76E-07	1.61E-12	4.85E-12	3.83E-12	9.27E-16	2.24E-14	1.24E-15	2.45442E-14	1.735E-11	2.5362E-08	4.75598E-07	1.64311E-12	3.7463E-15	8.20131E-13	6.23299E-16
97	571510.6	4177999	0.55, 41779	0.33311	0.29527	0.30394	113.25391	33.39085	138.27651	14.15674	7.16119	17.28456	5.9E-09	2.69E-06	3.36E-07	1.82E-12	5.5E-12	4.35E-12	1.05E-15	2.54E-14	1.4E-15	2.78348E-14	1.968E-11	1.7903E-08	3.35737E-07	1.86341E-12	4.24857E-15	9.30086E-13	7.06865E-16
98	571550.6	4177999	0.55, 41779	0.33431	0.29408	0.33024	118.79132	25.19774	142.42424	14.84891	6.75336	17.80303	6.41E-09	2.77E-06	3.46E-07	1.98E-12	5.98E-12	4.72E-12	1.14E-15	2.76E-14	1.52E-15	3.02427E-14	2.138E-11	1.844E-08	3.45809E-07	2.0246E-12	4.61609E-15	1.01054E-12	7.68013E-16
99	571590.6	4177999	0.55, 41779	0.32897	0.28857	0.34209	117.12124	19.87515	150.29933	14.64016	6.7762	18.78742	6.64E-09	2.92E-06	3.65E-07	2.05E-12	6.19E-12	4.89E-12	1.18E-15	2.86E-14	1.58E-15	3.13275E-14	2.215E-11	1.946E-08	3.64924E-07	2.09722E-12	4.78167E-15	1.04679E-12	7.95562E-16
100	570310.6	4178039	0.55, 41780	0.09395	0.07118	0.09114	60.38117	27.45867	68.75884	7.54765	4.57644	8.59485	1.77E-09	1.34E-06	1.67E-07	5.46E-13	1.65E-12	1.3E-12	3.15E-16	7.61E-15	4.2E-16	8.3462E-15	5.901E-12	8.9029E-09	1.6695E-07	5.58737E-13	1.27392E-15	2.78884E-13	2.11952E-16
101	570350.6	4178039	0.55, 41780	0.10181	0.07823	0.09867	67.40685	28.30867	69.9761	8.42586	4.71811	8.74701	1.92E-09	1.36E-06	1.7E-07	5.91E-13	1.79E-12	1.41E-12	3.41E-16	8.24E-15	4.55E-16	9.03579E-15	6.389E-12	9.0606E-09	1.69909E-07	6.04902E-13	1.37918E-15	3.01926E-13	2.29464E-16
102	570390.6	4178039	0.55, 41780	0.11033	0.08626	0.10708	70.86935	29.39362	77.00767	8.85867	4.86131	9.62596	2.08E-09	1.5E-06	1.87E-07	6.42E-13	1.94E-12	1.53E-12	3.7E-16	8.94E-15	4.94E-16	9.80598E-15	6.933E-12	9.971E-09	1.86981E-07	6.56462E-13	1.49673E-15	3.27661E-13	2.49022E-16
103	570430.6	4178039	0.55, 41780	0.11935	0.09539	0.11615	72.77771	30.53752	78.92837	9.09721	4.99157	9.86605	2.26E-09	1.53E-06	1.92E-07	6.96E-13	2.1E-12	1.66E-12	4.02E-16	9.7E-15	5.35E-16	1.06366E-14	7.52E-12	1.022E-08	1.91644E-07	7.12069E-13	1.62352E-15	3.55416E-13	2.70116E-16
104	570470.6	4178039	0.55, 41780	0.12876	0.10583	0.1256	77.88414	31.78332	83.40463	9.73552	5.12346	10.42558	2.44E-09	1.62E-06	2.03E-07	7.53E-13	2.27E-12	1.8E-12	4.34E-16	1.05E-14	5.79E-16	1.15021E-14	8.132E-12	1.0799E-08	2.02514E-07	7.70007E-13	1.75562E-15	3.84335E-13	2.92095E-16
105	570510.6	4178039	0.55, 41780	0.13797	0.11733	0.13491	81.61557	33.05226	90.60057	10.20195	5.27698	11.32507	2.62E-09	1.76E-06	2.2E-07	8.09E-13	2.44E-12	1.93E-12	4.66E-16	1.13E-14	6.22E-16	1.23547E-14	8.735E-12	1.1731E-08	2.19984E-07	8.27089E-13	1.88576E-15	4.12826E-13	3.13748E-16
106	570550.6	4178039	0.55, 41780	0.14677	0.12979	0.14418	83.22783	34.40977	92.92473	10.40348	5.64664	11.61559	2.8E-09	1.8E-06	2.26E-07	8.64E-13	2.61E-12	2.06E-12	4.98E-16	1.2E-14	6.65E-16	1.32038E-14	9.335E-12	1.2032E-08	2.25627E-07	8.83927E-13	2.01535E-15	4.41196E-13	3.35309E-16
107	570590.6	4178039	0.55, 41780	0.15543	0.14397	0.15331	100.7883	35.81672	104.85134	12.59854	6.05306	13.10642	2.98E-09	2.04E-06	2.55E-07	9.19E-13	2.77E-12	2.19E-12	5.3E-16	1.28E-14	7.07E-16	1.404E-14	9.927E-12	1.3576E-08	2.5459E-07	9.39909E-13	2.14299E-15	4.69139E-13	3.56545E-16
108	570630.6	4178039	0.55, 41780	0.16446	0.15887	0.16086	114.63184	37.47906	118.86748	14.32898	6.85921	14.85844	3.12E-09	2.31E-06	2.89E-07	9.64E-13	2.91E-12	2.3E-12	5.56E-16	1.34E-14	7.42E-16	1.47316E-14	1.042E-11	1.5391E-08	2.88623E-07	9.86208E-13	2.24856E-15	4.92248E-13	3.74109E-16
109	570670.6	4178039	0.55, 41780	0.17604	0.17458	0.16859	120.19022	39.09251	122.97013	15.02378	7.81169	15.37127	3.27E-09	2.39E-06	2.99E-07	1.01E-12	3.05E-12	2.41E-12	5.83E-16	1.41E-14	7.77E-16	1.54397E-14	1.092E-11	1.5922E-08	2.98586E-07	1.03361E-12	2.35664E-15	5.15909E-13	3.92091E-16
110	570710.6	4178039	0.55, 41780	0.19156	0.191	0.18153	122.05191	40.81454	130.55962	15.86896	8.63568	17.88475	3.53E-09	2.54E-06	3.47E-07	1.09E-12	3.29E-12	2.6E-12	6.28E-16	1.52E-14	8.37E-16	1.66248E-14	1.175E-11	1.6905E-08	3.47401E-07	1.11295E-12	2.53753E-15	5.5551E-13	4.22187E-16
111	570750.6	4178039	0.55, 41780	0.2105	0.20761	0.19902	132.53323	47.68084	144.79481	16.56665	9.43658	19.64627	3.87E-09	2.81E-06	3.82E-07	1.19E-12	3.6E-12	2.85E-12	6.88E-16	1.66E-14	9.17E-16	1.82266E-14	1.289E-11	1.8748E-08	3.81613E-07	1.22018E-12	2.78201E-15	6.09031E-13	4.62863E-16
112	570790.6	4178039	0.55, 41780	0.23169	0.22417	0.21523	139.552	52.7884	147.64201	17.444	10.33029	19.40572	4.18E-09	2.87E-06	3.77E-07	1.29E-12	3.9E-12	3.08E-12	7.44E-16	1.8E-14	9.92E-16	1.97111E-14	1.394E-11	1.9117E-08	3.76947E-07	1.31956E-12	3.0086E-15	6.58636E-13	5.00563E-16
113	570830.6	4178039	0.55, 41780	0.25382	0.24067	0.23208	145.24751	55.81087	161.73262	18.15594	11.28689	20.21658	4.51E-09	3.14E-06	3.93E-07	1.39E-12	4.2E-12	3.32E-12	8.02E-16	1.94E-14	1.07E-15	2.12542E-14	1.503E-11	2.0941E-08	3.92697E-07	1.42287E-12	3.24414E-15	7.10199E-13	5.39751E-16
114	570870.6	4178039	0.55, 41780	0.27385	0.25672	0.25028	159.27674	59.06353	181.66903	19.90959	12.04587	22.70863	4.86E-09	3.53E-06	4.41E-07	1.5E-12	4.53E-12	3.58E-12	8.65E-16	2.09E-14	1.15E-15	2.2921E-14	1.621E-11	2.3522E-08	4.41101E-07	1.53445E-12	3.49854E-15	7.65891E-13	5.82077E-16
115	570910.6	4178039	0.55, 41780	0.28498	0.272	0.26185	154.31681	63.03506	190.144	19.2896	11.80173	23.768	5.09E-09	3.69E-06	4.62E-07	1.57E-12	4.74E-12	3.74E-12	9.05E-16	2.19E-14	1.21E-15	2.39806E-14	1.696E-11	2.462E-08	4.61671E-07	1.60539E-12	3.66028E-15	8.01299E-13	6.08988E-16
116	570950.6	4178039	0.55, 41780	0.28313	0.28254	0.2606	178.15221	69.82475	214.80591	22.26903	10.41815	26.85074	5.06E-09	4.17E-06	5.22E-07	1.56E-12	4.72E-12	3.73E-12	9.01E-16	2.18E-14	1.2E-15	2.38664E-14	1.687E-11	2.7813E-08	5.21552E-07	1.59774E-12	3.64285E-15	7.97483E-13	6.06087E-16
117	570990.6	4178039	0.55, 41780	0.27042	0.28832	0.24711	188.87787	74.10995	223.28286	29.14051	12.35166	34.29706	4.8E-09	4.34E-06	6.66E-07	1.48E-12	4.47E-12	3.53E-12	8.54E-16	2.06E-14	1.14E-15	2.26314E-14	1.6E-11	2.891E-08	6.66194E-07	1.51506E-12	3.45435E-15	7.56217E-13	5.74725E-16
118	571030.6	4178039	0.55, 41780	0.25749	0.29249	0.23391	188.96663	83.29257	277.8919	26.99523	13.88209	39.69884	4.54E-09	5.4E-06	7.71E-07	1.4E-12	4.23E-12	3.34E-12	8.09E-16	1.95E-14	1.08E-15	2.1423E-14	1.515E-11	3.5981E-08	7.71084E-07	1.43416E-12	3.26989E-15	7.15837E-13	5.44036E-16
119	571070.6	4178039	0.55, 41780	0.25163	0.29646	0.21613	192.59035	92.57991	271.23553	26.01862	14.40126	34.27332	4.2E-09	5.27E-06	6.66E-07	1.3E-12	3.91E-12	3.09E-12	7.47E-16	1.81E-14	9.96E-16	1.97952E-14	1.4E-11	3.5119E-08	6.65717E-07	1.32519E-12	3.02144E-15	6.61445E-13	5.02698E-16
120	571110.6	4178039	0.55, 41780	0.23996	0.28057	0.20816	179.79911	89.13384	295.00102	29.33997	15.522	36.88643	4.04E-09	5.73E-06	7.16E-07	1.25E-12	3.77E-12	2.98E-12	7.2E-16	1.74E-14	9.6E-16	1.90651E-14	1.348E-11	3.8196E-08	7.1648E-07	1.27632E-12	2.91E-15	6.3705E-13	4.84158E-16
121	571150.6	4178039	0.55, 41780	0.25767	0.30302	0.23363	202.30498	100.11261	284.90591	28.90071	16.95197	47.48432	4.54E-09	5.53E-06	9.22E-07	1.4E-12	4.23E-12	3.34E-12	8.08E-16	1.95E-14	1.08E-15	2.13976E-14	1.513E-11	3.6889E-08	9.22286E-07	1.43246E-12	3.26601E-15	7.14988E-13	5.43391E-16
122	571190.6	4178039	0.55, 41780	0.27122	0.30641	0.22867	194.68377	101.89225	297.80862	27.81197	16.7188	37.22608	4.44E-09	5.78E-06	7.23E-07	1.37E-12	4.14E-12	3.27E-12	7.91E-16	1.91E-14	1.05E-15	2.09436E-14	1.481E-11	3.856E-08	7.23068E-07	1.40207E-12	3.19672E-15	6.99818E-13	5.31861E-16
123	571230.6	4178039	0.55, 41780	0.28804	0.31092	0.2326	196.84209	99.06119	294.63263	24.60526	16.26482	42.09038	4.52E-09	5.72E-06	8.18E-07	1.39E-12	4.21E-12	3.33E-12	8.04E-16	1.94E-14	1.07E-15	2.13035E-14	1.506E-11	3.8148E-08	8.17514E-07	1.42617E-12	3.25166E-15	7.11845E-13	5.41002E-16
124	571270.6	4178039	0.55, 41780	0.31661	0.32283	0.24843	191.8709	85.51951	280.99547	23.98386	14.63938	35.12443	4.83E-09	5.46E-06	6.82E-07	1.49E-12	4.5E-12	3.55E-12	8.59E-16	2.07E-14	1.15E-15	2.27532E-14	1.609E-11	3.6382E-08	6.82234E-07	1.52321E-12	3.47293E-15	7.60285E-13	5.77817E-16
125	571310.6	4178039	0.55, 41780	0.35598	0.34149	0.26147	189.38373	68.10225	290.04443	23.67297	13.72977	36.25555	5.08E-09	5.63E-06	7.04E-07	1.57E-12	4.73E-12	3.74E-12	9.04E-16	2.18E-14	1.21E-15	2.39476E-14	1.693E-11	3.7553E-08	7.04199E-07	1.60317E-12	3.65524E-15	8.00195E-13	6.08148E-16
126	571350.6	4178039	0.55, 41780	0.39399	0.35989	0.2835	182.95784	62.01914	299.45287	22.86973	11.81322	37.43161	5.51E-09	5.82E-06	7.27E-07	1.7E-12	5.13E-12	4.05E-12	9.8E-16	2.37E-14	1.31E-15	2.59651E-14	1.836E-11	3.8771E-08	7.27033E-07	1.73823E-12	3.96317E-15	8.67608E-13	6.59382E-16
127	571390.6	4178039	0.55, 41780	0.4222	0.3733	0.32107	164.47464	56.17724	258.72398	20.55933	10.13431	32.3405	6.24E-09	5.02E-06	6.28E-07	1.92E-12	5.81E-12	4.59E-12	1.11E-15	2.68E-14	1.48E-15	2.94052E-14	2.079E-11	3.3498E-08	6.28153E-07	1.96853E-12	4.48825E-15	9.82558E-13	7.46744E-16
128	571430.6	4178039	0.55, 41780	0.44026	0.38105	0.3744	146.31006	45.8458	221.86738	18.28876	9.60517	27.73342	7.27E-09	4.31E-06	5.39E-07	2.24E-12	6.78E-12	5.35E-12	1.29E-15	3.13E-14	1.73E-15	3.4288E-14	2.424E-11	2.8726E-08	5.38673E-07	2.29542E-12	5.23355E-15	1.14572E-12	8.70744E-16
129	571470.6	4178039	0.55, 41780	0.44344	0.3799	0.42037	134.05635	35.96521	154.66668	16.75704	8.42199	19.33334	8.17E-09	3E-06	3.76E-07	2.52E-12	7.61E-12	6.01E-12	1.45E-15	3.51E-14	1.94E-15	3.84968E-14	2.722E-11	2.0026E-08	3.75537E-07	2.57717E-12	5.87596E-15	1.28635E-12	9.77626E-16
130	571510.6	4178039	0.55, 41780	0.43369	0.37075	0.44522	135.2804	26.4112	176.84451	16.91005	8.14543	22.10556	8.65E-09	3.43E-06	4.29E-07	2.67E-12	8.06E-12	6.36E-12	1.54E-15	3.72E-14	2.05E-15	4.07717E-14	2.883E-11	2.2896E-08	4.29374E-07	2.72947E-12	6.22319E-15	1.36236E-12	1.0354E-15
131	571550.6	4178039	0.55, 41780	0.4157	0.35641	0.44493	128.00174	25.24959	172.96462	16.00022	7.84928	21.62058	8.64E-09	3.36E-06	4.2E-07	2.67E-12	8.05E-12	6.36E-12	1.54E-15	3.72E-14	2.05E-15	4.07448E-14	2.881E-11	2.2394E-08	4.19951E-07	2.72767E-12	6.21908E-15	1.36147E-12	1.03471E-15
132	571590.6	4178039	0.55, 41780	0.38889	0.33646	0.4222	114.21376	28.264	151.26331	14.27672	7.21894	18.90791	8.2E-09	2.94E-06	3.67E-07	2.53E-12	7.64E-12	6.04E-12	1.46E-15	3.53E-14	1.95E-15	3.86633E-14	2.734E-11	1.9585E-08	3.67262E-07	2.58832E-12	5.90136E-15	1.29191E-12	9.81852E-16
133	570310.6	4178079	0.55, 41780	0.09792	0.07296	0.09477	71.40728	28.01469	77.09789	8.92591	4.66912	9.63724	1.84E-09	1.5E-06	1.87E-07	5.68E-13	1.72E-12	1.35E-12	3.28E-16	7.91E-15	4.37E-16	8.6786E-15	6.136E-12	9.9826E-09	1.872E-07	5.8099E-13	1.32466E-15	2.8999E-13	2.20393E-16
134	570350.6	4178079	0.55, 41780	0.1067	0.08065	0.10312	70.03301	29.10671	80.22931	8.75413	4.85112	10.02866	2E-09	1.56E-06	1.95E-07	6.18E-13	1.87E-12	1.47E-12	3.57E-16	8.61E-15	4.75E-16	9.44328E-15	6.677E-12	1.0388E-08	1.948E-07	6.32181E-13	1.44137E-15	3.15542E-13	2.39812E-16
135	570390.6	4178079	0.55, 41780	0.11641	0.08948	0.11242	73.93226	30.15719	77.81828	9.24153	5.0262	9.72728	2.18E-09	1.51E-06	1.89E-07	6.74E-13	2.03E-12	1.61E-12	3.89E-16	9.39E-15	5.18E-16	1.0295E-14	7.279E-12	1.0076E-08	1.8895E-07	6.89198E-13	1.57137E-15	3.44001E-13	2.6144E-16
136	570430.6	4178079	0.55, 41780	0.12715	0.09969	0.12302	79.99098	31.34254	86.52141	9.99887	5.20891	10.81518	2.39E-09	1.68E-06	2.1E-07	7.37E-13	2.23E-12	1.76E-12	4.25E-16	1.03E-14	5.67E-16	1.12657E-14	7.965E-12	1.1203E-08	2.10081E-07	7.54184E-13	1.71954E-15	3.76437E-13	2.86092E-16
137	570470.6	4178079	0.55, 41780	0.13857	0.11144	0.13449	81.53824	32.65768	88.86509	10.19228	5.39019	11.10814	2.61E-09	1.73E-06	2.16E-07	8.06E-13	2.43E-12	1.92E-12	4.65E-16	1.12E-14	6.2E-16	1.23161E-14	8.708E-12	1.1506E-08	2.15771E-07	8.24506E-13	1.87987E-15	4.11537E-13	3.12768E-16
138	570510.6	4178079	0.55, 41780	0.15049	0.12507	0.14657	87.75299	34.11951	95.20757	10.96912	5.60116	11.90095	2.85E-09	1.85E-06	2.31E-07	8.79E-13	2.65E-12	2.1E-12	5.07E-16	1.22E-14	6.76E-16	1.34225E-14	9.49E-12	1.2327E-08	2.31172E-07	8.98569E-13	2.04874E-15	4.48504E-13	3.40863E-16
139	570550.6	4178079	0.55, 41780	0.16198	0.14034	0.1583	91.64015	35.64897	104.22382	11.45502	5.99366	13.02798	3.07E-09	2.02E-06	2.53E-07	9.49E-13	2.86E-12	2.26E-12	5.47E-16	1.32E-14	7.3E-16	1.44968E-14	1.025E-11	1.3495E-08	2.53061E-07	9.70489E-13	2.21272E-15	4.84402E-13	3.68146E-16
140	570590.6	4178079	0.55, 41780	0.17272	0.15744	0.16968	88.35639	37.38874	105.88084	11.57204	6.46071	13.23511	3.3E-09	2.06E-06	2.57E-07	1.02E-12	3.07E-12	2.43E-12	5.87E-16	1.42E-14	7.82E-16	1.55391E-14	1.099E-11	1.3709E-08	2.57084E-07	1.04027E-12	2.37181E-15	5.1923E-13	3.94615E-16
141	570630.6	4178079	0.55, 41780	0.1831	0.1763	0.17984	101.08083	39.23196	114.54818	12.6351	7.02353	14.31852	3.49E-09	2.22E-06	2.78E-07	1.08E-12	3.25E-12	2.57E-12	6.22E-16	1.5E-14	8.29E-16	1.64698E-14	1.164E-11	1.4832E-08	2.78129E-07	1.10257E-12	2.51386E-15	5.50328E-13	4.18249E-16
142	570670.6	4178079	0.55, 41780	0.19537	0.19687	0.18849	125.63761	41.20021	131.91916	15.7047	8.22231	16.4899	3.66E-09	2.56E-06	3.2E-07	1.13E-12	3.41E-12	2.69E-12	6.52E-16	1.57E-14	8.69E-16	1.72622E-14	1.22E-11	1.7081E-08	3.20313E-07	1.15562E-12	2.63481E-15	5.76807E-13	4.38373E-16
143	570710.6	4178079	0.55, 41780	0.21241	0.21933	0.20096	144.38379	43.29239	151.59141	18.04797	9.29195	18.94893	3.9E-09	2.94E-06	3.68E-07	1.2E-12	3.64E-12	2.87E-12	6.95E-16	1.68E-14	9.26E-16	1.84045E-14	1.301E-11	1.9628E-08	3.68079E-07	1.23209E-12	2.80916E-15	6.14975E-13	4.67381E-16
144	570750.6	4178079	0.55, 41780	0.23537	0.24332	0.2221	149.96792	48.92505	154.1756	18.74599	10.23	23.04389	4.31E-09	2.99E-06	4.48E-07	1.33E-12	4.02E-12	3.18E-12	7.68E-16	1.85E-14	1.02E-15	2.03405E-14	1.438E-11	1.9962E-08	4.47606E-07	1.3617E-12	3.10467E-15	6.79668E-13	5.16547E-16
145	570790.6	4178079	0.55, 41780	0.26445	0.26867	0.24585	159.48841	56.15329	178.05216	19.93605	11.24377	22.79466	4.78E-09	3.46E-06	4.43E-07	1.47E-12	4.45E-12	3.51E-12	8.5E-16	2.05E-14	1.13E-15	2.25156E-14	1.592E-11	2.3054E-08	4.42772E-07	1.50731E-12	3.43667E-15	7.52347E-13	5.71784E-16
146	570830.6	4178079	0.55, 41780	0.30001	0.29551	0.27029	164.85959	59.75168	177.78875	20.60745	12.43332	22.22359	5.25E-09	3.45E-06	4.32E-07	1.62E-12	4.89E-12	3.86E-12	9.35E-16	2.26E-14	1.25E-15	2.47539E-14	1.75E-11	2.302E-08	4.31686E-07	1.65715E-12	3.77831E-15	8.27139E-13	6.28625E-16
147	570870.6	4178079	0.55, 41780	0.34051	0.32416	0.30185	178.96906	63.85658	203.22306	22.37113	13.91568	25.40288	5.86E-09	3.95E-06	4.93E-07	1.81E-12	5.46E-12	4.32E-12	1.04E-15	2.52E-14	1.39E-15	2.76442E-14	1.955E-11	2.6313E-08	4.93436E-07	1.85064E-12	4.21946E-15	9.23714E-13	7.02023E-16
148	570910.6	4178079	0.55, 41780	0.37529	0.35313	0.33459	192.82824	68.49057	229.7632	24.10353	15.26079	28.7204	6.5E-09	4.46E-06	5.58E-07	2.01E-12	6.06E-12	4.78E-12	1.16E-15	2.79E-14	1.54E-15	3.06424E-14	2.167E-11	2.9749E-08	5.5787E-07	2.05136E-12	4.6771E-15	1.0239E-12	7.78164E-16
149	570950.6	4178079	0.55, 41780	0.39192	0.37725	0.35493	199.56835	75.56845	241.42387	26.9715	14.65967	30.17798	6.89E-09	4.69E-06	5.86E-07	2.13E-12	6.42E-12	5.07E-12	1.23E-15	2.96E-14	1.64E-15	3.25053E-14	2.298E-11	3.1259E-08	5.86192E-07	2.17607E-12	4.96143E-15	1.08614E-12	8.2547E-16
150	570990.6	4178079	0.55, 41780	0.38624	0.39167	0.34038	209.52387	83.72546	270.89556	31.32288	13.79848	33.86195	6.61E-09	5.26E-06	6.58E-07	2.04E-12	6.16E-12	4.87E-12	1.18E-15	2.84E-14	1.57E-15	3.11734E-14	2.204E-11	3.5075E-08	6.57756E-07	2.08691E-12	4.75815E-15	1.04164E-12	7.91649E-16
151	571030.6	4178079	0.55, 41780	0.36706	0.40059	0.31708	238.62537	94.19927	346.28961	34.73297	15.69988	52.33117	6.16E-09	6.73E-06	1.02E-06	1.9E-12	5.74E-12	4.53E-12	1.1E-15	2.65E-14	1.46E-15	2.90404E-14	2.053E-11	4.4836E-08	1.01644E-06	1.94411E-12	4.43257E-15	9.70367E-13	7.37479E-16
152	571070.6	4178079	0.55, 41780	0.35702	0.41066	0.29659	228.92087	105.90077	368.47625	31.45005	16.61116	46.05953	5.76E-09	7.16E-06	8.95E-07	1.78E-12	5.37E-12	4.24E-12	1.03E-15	2.48E-14	1.37E-15	2.71646E-14	1.921E-11	4.7709E-08	8.94631E-07	1.81854E-12	4.14626E-15	9.07689E-13	6.89844E-16
153	571110.6	4178079	0.55, 41780	0.35812	0.41418	0.29542	212.64364	104.08221	374.64105	34.6648	20.98986	46.90606	5.74E-09	7.28E-06	9.11E-07	1.77E-12	5.35E-12	4.22E-12	1.02E-15	2.47E-14	1.36E-15	2.70575E-14	1.913E-11	4.8507E-08	9.11087E-07	1.81137E-12	4.12992E-15	9.04113E-13	6.87126E-16
154	571150.6	4178079	0.55, 41780	0.37758	0.42317	0.31748	239.48451	117.47672	371.65504	34.21207	20.38272	60.67868	6.17E-09	7.22E-06	1.18E-06	1.9E-12	5.75E-12	4.54E-12	1.1E-15	2.65E-14	1.46E-15	2.90775E-14	2.056E-11	4.8121E-08	1.17855E-06	1.9466E-12	4.43824E-15	9.71609E-13	7.38423E-16
155	571190.6	4178079	0.55, 41780	0.41277	0.43447	0.31013	228.77572	115.09155	359.73847	28.66724	20.67403	44.96731	6.02E-09	6.99E-06	8.73E-07	1.86E-12	5.61E-12	4.43E-12	1.07E-15	2.59E-14	1.43E-15	2.84049E-14	2.008E-11	4.6578E-08	8.73405E-07	1.90157E-12	4.33558E-15	9.49134E-13	7.21342E-16
156	571230.6	4178079	0.55, 41780	0.46673	0.45732	0.33128	219.54291	100.98995	305.404	27.44286	18.56894	43.62914	6.44E-09	5.93E-06	8.47E-07	1.99E-12	6E-12	4.74E-12	1.15E-15	2.77E-14	1.53E-15	3.0342E-14	2.145E-11	3.9543E-08	8.47412E-07	2.03125E-12	4.63124E-15	1.01386E-12	7.70533E-16
157	571270.6	4178079	0.55, 41780	0.53318	0.48578	0.3586	215.1929	81.06645	332.5769	26.89911	17.27973	41.57211	6.97E-09	6.46E-06	8.07E-07	2.15E-12	6.49E-12	5.13E-12	1.24E-15	3E-14	1.65E-15	3.28441E-14	2.322E-11	4.306E-08	8.07462E-07	2.19875E-12	5.01315E-15	1.09747E-12	8.34074E-16
158	571310.6	4178079	0.55, 41780	0.58671	0.50689	0.39805	205.97464	69.75551	363.05687	25.74683	14.70822	45.38211	7.73E-09	7.05E-06	8.81E-07	2.39E-12	7.2E-12	5.69E-12	1.38E-15	3.32E-14	1.84E-15	3.64565E-14	2.578E-11	4.7006E-08	8.81445E-07	2.44059E-12	5.56454E-15	1.21817E-12	9.25813E-16
159	571350.6	4178079	0.55, 41780	0.61439	0.51569	0.46686	184.46358	62.8789	316.33591	23.05795	12.5762	39.54199	9.07E-09	6.14E-06	7.68E-07	2.8E-12	8.45E-12	6.67E-12	1.61E-15	3.9E-14	2.15E-15	4.27567E-14	3.023E-11	4.0957E-08	7.68017E-07	2.86235E-12	6.52617E-15	1.42869E-12	1.08581E-15
160	571390.6	4178079	0.55, 41780	0.61879	0.51229	0.54521	162.6235	50.78632	251.98298	20.32794	11.67282	31.49787	1.06E-08	4.89E-06	6.12E-07	3.27E-12	9.87E-12	7.79E-12	1.88E-15	4.55E-14	2.51E-15	4.993E-14	3.53E-11	3.2625E-08	6.11788E-07	3.34257E-12	7.62106E-15	1.66838E-12	1.26797E-15
161	571430.6	4178079	0.55, 41780	0.60477	0.49855	0.60294	157.24404	39.05995	207.2573	19.65551	9.99401	25.90716	1.17E-08	4.03E-06	5.03E-07	3.61E-12	1.09E-11	8.62E-12	2.08E-15	5.04E-14	2.78E-15	5.52152E-14	3.904E-11	2.6834E-08	5.03214E-07	3.69639E-12	8.42776E-15	1.84498E-12	1.40219E-15
162	571470.6	4178079	0.55, 41780	0.57311	0.47467	0.61341	152.07991	30.59352	215.52596	19.00999	9.68796	26.94074	1.19E-08	4.19E-06	5.23E-07	3.68E-12	1.11E-11	8.77E-12	2.12E-15	5.12E-14	2.83E-15	5.61731E-14	3.972E-11	2.7905E-08	5.23283E-07	3.76052E-12	8.57398E-15	1.87699E-12	1.42652E-15
163	571510.6	4178079	0.55, 41780	0.53465	0.44658	0.58613	137.55383	33.88214	191.36045	17.19423	8.95455	23.92006	1.14E-08	3.72E-06	4.65E-07	3.51E-12	1.06E-11	8.38E-12	2.03E-15	4.89E-14	2.7E-15	5.36748E-14	3.795E-11	2.4776E-08	4.64612E-07	3.59326E-12	8.19264E-15	1.79351E-12	1.36307E-15
164	571550.6	4178079	0.55, 41780	0.48548	0.41212	0.53241	120.13532	36.07438	157.49519	15.01691	7.90342	19.6869	1.03E-08	3.06E-06	3.82E-07	3.19E-12	9.64E-12	7.61E-12	1.84E-15	4.45E-14	2.45E-15	4.87555E-14	3.447E-11	2.0392E-08	3.82394E-07	3.26394E-12	7.44179E-15	1.62914E-12	1.23815E-15
165	571590.6	4178079	0.55, 41780	0.43445	0.37558	0.47142	108.95419	37.19094	141.55637	13.61927	6.74143	17.69455	9.16E-09	2.75E-06	3.44E-07	2.83E-12	8.53E-12	6.74E-12	1.63E-15	3.94E-14	2.17E-15	4.31706E-14	3.052E-11	1.8328E-08	3.43696E-07	2.89006E-12	6.58934E-15	1.44252E-12	1.09632E-15
166	570310.6	4178119	0.55, 41781	0.10149	0.07442	0.09774	69.0748	28.05035	78.28908	8.63435	4.67506	9.78613	1.9E-09	1.52E-06	1.9E-07	5.86E-13	1.77E-12	1.4E-12	3.38E-16	8.16E-15	4.51E-16	8.95056E-15	6.328E-12	1.0137E-08	1.9009E-07	5.99196E-13	1.36617E-15	2.99078E-13	2.27299E-16
167	570350.6	4178119	0.55, 41781	0.11138	0.08273	0.10725	79.07973	29.62524	82.98136	9.88497	4.93754	10.37267	2.08E-09	1.61E-06	2.01E-07	6.43E-13	1.94E-12	1.53E-12	3.71E-16	8.96E-15	4.94E-16	9.82146E-15	6.944E-12	1.0744E-08	2.01487E-07	6.57499E-13	1.4991E-15	3.28179E-13	2.49416E-16
168	570390.6	4178119	0.55, 41781	0.12249	0.09237	0.11775	81.81771	30.97041	92.38822	10.22721	5.16174	11.54853	2.29E-09	1.79E-06	2.24E-07	7.06E-13	2.13E-12	1.68E-12	4.07E-16	9.83E-15	5.43E-16	1.0783E-14	7.624E-12	1.1962E-08	2.24324E-07	7.21872E-13	1.64587E-15	3.60309E-13	2.73835E-16
169	570430.6	4178119	0.55, 41781	0.13492	0.10362	0.12964	81.48606	32.23138	89.13007	10.18576	5.3719	11.14126	2.52E-09	1.73E-06	2.16E-07	7.77E-13	2.35E-12	1.85E-12	4.48E-16	1.08E-14	5.98E-16	1.18719E-14	8.394E-12	1.1541E-08	2.16414E-07	7.94767E-13	1.81207E-15	3.96693E-13	3.01487E-16
170	570470.6	4178119	0.55, 41781	0.14882	0.11683	0.14311	90.82614	33.6686	97.62505	11.35327	5.5932	12.20313	2.78E-09	1.9E-06	2.37E-07	8.58E-13	2.59E-12	2.05E-12	4.95E-16	1.2E-14	6.6E-16	1.31055E-14	9.266E-12	1.264E-08	2.37042E-07	8.77349E-13	2.00036E-15	4.37913E-13	3.32814E-16
171	570510.6	4178119	0.55, 41781	0.16361	0.13228	0.15796	92.34034	35.20886	102.68913	11.54254	5.82093	12.83614	3.07E-09	1.99E-06	2.49E-07	9.47E-13	2.86E-12	2.26E-12	5.46E-16	1.32E-14	7.28E-16	1.44655E-14	1.023E-11	1.3296E-08	2.49336E-07	9.68393E-13	2.20794E-15	4.83356E-13	3.67351E-16
172	570550.6	4178119	0.55, 41781	0.17911	0.1505	0.17388	100.11195	36.92243	110.21215	12.51399	6.33987	13.77652	3.38E-09	2.14E-06	2.68E-07	1.04E-12	3.15E-12	2.49E-12	6.01E-16	1.45E-14	8.02E-16	1.59235E-14	1.126E-11	1.427E-08	2.67603E-07	1.066E-12	2.43048E-15	5.32075E-13	4.04377E-16
173	570590.6	4178119	0.55, 41781	0.19374	0.17125	0.18923	103.74737	38.76233	121.67682	12.96842	6.89651	15.2096	3.68E-09	2.36E-06	2.95E-07	1.13E-12	3.42E-12	2.71E-12	6.54E-16	1.58E-14	8.72E-16	1.73294E-14	1.225E-11	1.5754E-08	2.95435E-07	1.16012E-12	2.64507E-15	5.79051E-13	4.40079E-16
174	570630.6	4178119	0.55, 41781	0.2069	0.19483	0.20326	104.63966	41.01094	121.05227	13.84797	7.49161	15.13153	3.95E-09	2.35E-06	2.94E-07	1.22E-12	3.68E-12	2.91E-12	7.03E-16	1.7E-14	9.37E-16	1.86145E-14	1.316E-11	1.5674E-08	2.93924E-07	1.24615E-12	2.84122E-15	6.21992E-13	4.72714E-16
175	570670.6	4178119	0.55, 41781	0.21998	0.22122	0.21442	115.58367	43.51142	138.36153	15.0671	8.60459	17.29519	4.17E-09	2.69E-06	3.36E-07	1.29E-12	3.88E-12	3.07E-12	7.41E-16	1.79E-14	9.88E-16	1.96369E-14	1.388E-11	1.7915E-08	3.35948E-07	1.31459E-12	2.99727E-15	6.56154E-13	4.98677E-16
176	570710.6	4178119	0.55, 41781	0.23703	0.25104	0.22497	127.12041	45.98226	134.54184	16.41254	9.96819	16.81773	4.37E-09	2.61E-06	3.27E-07	1.35E-12	4.07E-12	3.22E-12	7.78E-16	1.88E-14	1.04E-15	2.06035E-14	1.457E-11	1.742E-08	3.26683E-07	1.3793E-12	3.14481E-15	6.88454E-13	5.23225E-16
177	570750.6	4178119	0.55, 41781	0.26187	0.28441	0.24496	163.41699	49.64069	173.69321	20.42712	11.18287	24.67477	4.76E-09	3.37E-06	4.79E-07	1.47E-12	4.43E-12	3.5E-12	8.47E-16	2.05E-14	1.13E-15	2.24345E-14	1.586E-11	2.2489E-08	4.79286E-07	1.50188E-12	3.42428E-15	7.49636E-13	5.69723E-16
178	570790.6	4178119	0.55, 41781	0.29707	0.32177	0.27572	189.30326	59.79186	203.13563	23.66291	12.3939	25.39195	5.36E-09	3.95E-06	4.93E-07	1.65E-12	4.99E-12	3.94E-12	9.53E-16	2.3E-14	1.27E-15	2.52517E-14	1.785E-11	2.6301E-08	4.93231E-07	1.69048E-12	3.85428E-15	8.4377E-13	6.41265E-16
179	570830.6	4178119	0.55, 41781	0.34574	0.3643	0.31009	193.11502	64.55328	210.79637	24.13938	13.76558	26.34955	6.02E-09	4.09E-06	5.12E-07	1.86E-12	5.61E-12	4.43E-12	1.07E-15	2.59E-14	1.43E-15	2.83995E-14	2.008E-11	2.7293E-08	5.11829E-07	1.90121E-12	4.33475E-15	9.48953E-13	7.21205E-16
180	570870.6	4178119	0.55, 41781	0.41228	0.41342	0.35667	202.8381	69.60981	241.64288	25.35476	15.49628	31.6123	6.93E-09	4.69E-06	6.14E-07	2.14E-12	6.46E-12	5.1E-12	1.23E-15	2.98E-14	1.64E-15	3.26654E-14	2.31E-11	3.1287E-08	6.14037E-07	2.18679E-12	4.98588E-15	1.0915E-12	8.29538E-16
181	570910.6	4178119	0.55, 41781	0.49003	0.46844	0.41739	224.50761	75.3478	268.49725	28.06345	17.99511	33.56216	8.11E-09	5.21E-06	6.52E-07	2.5E-12	7.55E-12	5.97E-12	1.44E-15	3.49E-14	1.92E-15	3.82261E-14	2.703E-11	3.4764E-08	6.51917E-07	2.55905E-12	5.83464E-15	1.2773E-12	9.70751E-16
182	570950.6	4178119	0.55, 41781	0.55455	0.52056	0.48015	237.44511	82.6149	307.44591	31.19836	20.61697	38.43074	9.33E-09	5.97E-06	7.46E-07	2.88E-12	8.69E-12	6.86E-12	1.66E-15	4.01E-14	2.21E-15	4.39735E-14	3.109E-11	3.9807E-08	7.4648E-07	2.94381E-12	6.71188E-15	1.46935E-12	1.1167E-15
183	570990.6	4178119	0.55, 41781	0.59019	0.56679	0.49805	260.70129	98.30209	347.94815	39.14578	18.7176	43.49352	9.68E-09	6.76E-06	8.45E-07	2.99E-12	9.01E-12	7.12E-12	1.72E-15	4.16E-14	2.3E-15	4.56134E-14	3.225E-11	4.5051E-08	8.4484E-07	3.0536E-12	6.9622E-15	1.52415E-12	1.15835E-15
184	571030.6	4178119	0.55, 41781	0.58003	0.59593	0.46436	288.08817	110.38847	394.82286	43.41155	19.84321	60.28631	9.02E-09	7.67E-06	1.17E-06	2.78E-12	8.41E-12	6.64E-12	1.61E-15	3.88E-14	2.14E-15	4.25296E-14	3.007E-11	5.112E-08	1.17097E-06	2.84715E-12	6.49149E-15	1.4211E-12	1.08004E-15
185	571070.6	4178119	0.55, 41781	0.56003	0.61401	0.43624	281.59163	124.26135	479.69295	39.26934	23.95732	65.06151	8.47E-09	9.32E-06	1.26E-06	2.62E-12	7.9E-12	6.24E-12	1.51E-15	3.64E-14	2.01E-15	3.99554E-14	2.825E-11	6.2108E-08	1.26369E-06	2.67482E-12	6.09858E-15	1.33509E-12	1.01467E-15
186	571110.6	4178119	0.55, 41781	0.57497	0.62965	0.42923	279.23237	138.16088	507.21032	41.39356	27.39628	63.69191	8.34E-09	9.85E-06	1.24E-06	2.57E-12	7.77E-12	6.14E-12	1.48E-15	3.59E-14	1.98E-15	3.9314E-14	2.78E-11	6.5671E-08	1.2371E-06	2.63188E-12	6.00068E-15	1.31365E-12	9.98378E-16
187	571150.6	4178119	0.55, 41781	0.64473	0.65929	0.45591	273.06399	137.55558	506.75735	37.77228	27.34359	77.75635	8.86E-09	9.84E-06	1.51E-06	2.73E-12	8.25E-12	6.52E-12	1.58E-15	3.81E-14	2.1E-15	4.17575E-14	2.952E-11	6.5613E-08	1.51021E-06	2.79546E-12	6.37365E-15	1.3953E-12	1.06043E-15
188	571190.6	4178119	0.55, 41781	0.76806	0.70549	0.46182	260.36357	120.74038	479.78233	32.90288	24.49294	68.54033	8.97E-09	9.32E-06	1.33E-06	2.77E-12	8.36E-12	6.6E-12	1.6E-15	3.86E-14	2.13E-15	4.23E-14	2.991E-11	6.212E-08	1.33121E-06	2.83178E-12	6.45645E-15	1.41343E-12	1.07421E-15
189	571230.6	4178119	0.55, 41781	0.88147	0.74364	0.51839	250.38438	100.21062	435.42985	31.29805	22.32262	54.42873	1.01E-08	8.46E-06	1.06E-06	3.11E-12	9.38E-12	7.41E-12	1.79E-15	4.33E-14	2.39E-15	4.74804E-14	3.357E-11	5.6377E-08	1.05716E-06	3.17858E-12	7.24716E-15	1.58653E-12	1.20576E-15
190	571270.6	4178119	0.55, 41781	0.94057	0.75526	0.59724	235.31349	80.57107	462.41399	29.41419	18.81416	57.80175	1.16E-08	8.98E-06	1.12E-06	3.58E-12	1.08E-11	8.54E-12	2.07E-15	4.99E-14	2.75E-15	5.47E-14	3.867E-11	5.987E-08	1.12265E-06	3.66189E-12	8.34912E-15	1.82777E-12	1.3891E-15
191	571310.6	4178119	0.55, 41781	0.94266	0.74202	0.72716	211.76846	71.48368	401.12341	26.47106	15.9259	50.14043	1.41E-08	7.79E-06	9.74E-07	4.36E-12	1.32E-11	1.04E-11	2.51E-15	6.07E-14	3.35E-15	6.65945E-14	4.708E-11	5.1934E-08	9.73854E-07	4.45818E-12	1.01646E-14	2.22522E-12	1.69117E-15
192	571350.6	4178119	0.55, 41781	0.90909	0.71255	0.85266	184.59351	57.17412	286.57244	23.07419	14.42847	35.82155	1.66E-08	5.57E-06	6.96E-07	5.11E-12	1.54E-11	1.22E-11	2.95E-15	7.12E-14	3.93E-15	7.8084E-14	5.521E-11	3.7104E-08	6.95767E-07	5.22734E-12	1.19183E-14	2.60913E-12	1.98294E-15
193	571390.6	4178119	0.55, 41781	0.85308	0.67145	0.90336	182.88204	42.90716	275.98695	22.86025	12.27464	34.49837	1.75E-08	5.36E-06	6.7E-07	5.41E-12	1.63E-11	1.29E-11	3.12E-15	7.54E-14	4.16E-15	8.27248E-14	5.849E-11	3.5733E-08	6.7007E-07	5.53802E-12	1.26267E-14	2.7642E-12	2.10079E-15
194	571430.6	4178119	0.55, 41781	0.78	0.62166	0.86624	169.0522	41.64549	252.50347	21.13153	11.39175	31.56293	1.68E-08	4.9E-06	6.13E-07	5.19E-12	1.57E-11	1.24E-11	2.99E-15	7.23E-14	3.99E-15	7.93249E-14	5.609E-11	3.2692E-08	6.13056E-07	5.31041E-12	1.21077E-14	2.6506E-12	2.01445E-15
195	571470.6	4178119	0.55, 41781	0.69763	0.567	0.77646	144.82238	43.55007	199.26025	18.1028	10.0864	24.90753	1.51E-08	3.87E-06	4.84E-07	4.65E-12	1.41E-11	1.11E-11	2.68E-15	6.48E-14	3.58E-15	7.11036E-14	5.027E-11	2.5799E-08	4.83794E-07	4.76004E-12	1.08529E-14	2.37589E-12	1.80568E-15
196	571510.6	4178119	0.55, 41781	0.61632	0.51188	0.67545	129.07456	44.20691	173.84445	16.93315	8.5721	21.73056	1.31E-08	3.38E-06	4.22E-07	4.05E-12	1.22E-11	9.66E-12	2.34E-15	5.64E-14	3.11E-15	6.18542E-14	4.373E-11	2.2509E-08	4.22092E-07	4.14083E-12	9.4411E-15	2.06682E-12	1.57079E-15
197	571550.6	4178119	0.55, 41781	0.53701	0.45659	0.57828	116.13448	43.6354	149.52645	16.99831	7.6971	20.20244	1.12E-08	2.9E-06	3.92E-07	3.47E-12	1.05E-11	8.27E-12	2E-15	4.83E-14	2.67E-15	5.29563E-14	3.744E-11	1.936E-08	3.92416E-07	3.54516E-12	8.08298E-15	1.76951E-12	1.34482E-15
198	571590.6	4178119	0.55, 41781	0.46599	0.40463	0.49394	103.06511	42.01095	133.93422	16.60125	6.75955	20.50745	9.59E-09	2.6E-06	3.98E-07	2.96E-12	8.94E-12	7.06E-12	1.71E-15	4.12E-14	2.28E-15	4.52332E-14	3.198E-11	1.7341E-08	3.98337E-07	3.02814E-12	6.90416E-15	1.51144E-12	1.1487E-15
199	570310.6	4178159	0.55, 41781	0.10452	0.07557	0.10002	83.14681	27.07322	89.45551	10.39335	4.47805	11.18194	1.94E-09	1.74E-06	2.17E-07	6E-13	1.81E-12	1.43E-12	3.46E-16	8.35E-15	4.61E-16	9.15934E-15	6.476E-12	1.1583E-08	2.17205E-07	6.13173E-13	1.39803E-15	3.06054E-13	2.32601E-16
200	570350.6	4178159	0.55, 41781	0.1156	0.08446	0.11071	83.51332	29.37807	93.62995	10.43917	4.89635	11.70374	2.15E-09	1.82E-06	2.27E-07	6.64E-13	2E-12	1.58E-12	3.83E-16	9.25E-15	5.1E-16	1.01383E-14	7.168E-12	1.2123E-08	2.27339E-07	6.78709E-13	1.54746E-15	3.38765E-13	2.57462E-16
201	570390.6	4178159	0.55, 41781	0.12828	0.09489	0.12282	85.72091	31.44775	90.10823	10.71511	5.24129	11.26353	2.39E-09	1.75E-06	2.19E-07	7.36E-13	2.22E-12	1.76E-12	4.25E-16	1.03E-14	5.66E-16	1.12473E-14	7.952E-12	1.1667E-08	2.18792E-07	7.52951E-13	1.71673E-15	3.75822E-13	2.85625E-16
202	570430.6	4178159	0.55, 41781	0.14269	0.1072	0.13639	94.53138	33.159	104.73347	11.81642	5.5265	13.09168	2.65E-09	2.03E-06	2.54E-07	8.18E-13	2.47E-12	1.95E-12	4.72E-16	1.14E-14	6.29E-16	1.249E-14	8.831E-12	1.3561E-08	2.543E-07	8.36145E-13	1.90641E-15	4.17347E-13	3.17184E-16
203	570470.6	4178159	0.55, 41781	0.15906	0.12183	0.15182	91.68652	34.69147	109.10852	11.46082	5.78191	13.63857	2.95E-09	2.12E-06	2.65E-07	9.1E-13	2.75E-12	2.17E-12	5.25E-16	1.27E-14	7E-16	1.39031E-14	9.83E-12	1.4127E-08	2.64918E-07	9.30744E-13	2.1221E-15	4.64564E-13	3.53069E-16
204	570510.6	4178159	0.55, 41781	0.17738	0.13933	0.16931	103.8828	36.49731	110.76271	12.98535	6.04456	13.84534	3.29E-09	2.15E-06	2.69E-07	1.01E-12	3.06E-12	2.42E-12	5.85E-16	1.41E-14	7.8E-16	1.55048E-14	1.096E-11	1.4341E-08	2.68942E-07	1.03797E-12	2.36658E-15	5.18085E-13	3.93745E-16
205	570550.6	4178159	0.55, 41781	0.19733	0.16029	0.18927	106.21161	38.46337	121.82569	13.27645	6.62676	15.22821	3.68E-09	2.37E-06	2.96E-07	1.13E-12	3.43E-12	2.71E-12	6.54E-16	1.58E-14	8.72E-16	1.73328E-14	1.225E-11	1.5774E-08	2.95798E-07	1.16035E-12	2.64559E-15	5.79166E-13	4.40166E-16
206	570590.6	4178159	0.55, 41781	0.21794	0.18524	0.21062	115.65264	40.48441	129.80552	14.45658	7.37316	16.22569	4.09E-09	2.52E-06	3.15E-07	1.26E-12	3.81E-12	3.01E-12	7.28E-16	1.76E-14	9.71E-16	1.92881E-14	1.364E-11	1.6807E-08	3.15175E-07	1.29125E-12	2.94404E-15	6.44502E-13	4.89821E-16
207	570630.6	4178159	0.55, 41781	0.23707	0.21436	0.23118	118.44365	42.79741	144.28442	14.80546	8.08317	18.03555	4.49E-09	2.8E-06	3.5E-07	1.39E-12	4.18E-12	3.3E-12	7.99E-16	1.93E-14	1.07E-15	2.11712E-14	1.497E-11	1.8682E-08	3.50324E-07	1.41731E-12	3.23146E-15	7.07424E-13	5.37642E-16
208	570670.6	4178159	0.55, 41781	0.25383	0.24795	0.24882	124.95922	45.84094	144.90734	15.6199	8.90031	18.11342	4.83E-09	2.81E-06	3.52E-07	1.49E-12	4.5E-12	3.56E-12	8.6E-16	2.08E-14	1.15E-15	2.2787E-14	1.611E-11	1.8762E-08	3.51841E-07	1.52548E-12	3.4781E-15	7.61416E-13	5.78676E-16
209	570710.6	4178159	0.55, 41781	0.27135	0.28697	0.26135	131.25248	49.29697	162.49426	17.47805	10.6966	20.31178	5.08E-09	3.16E-06	3.95E-07	1.57E-12	4.73E-12	3.74E-12	9.04E-16	2.18E-14	1.2E-15	2.39352E-14	1.692E-11	2.1039E-08	3.94542E-07	1.60234E-12	3.65334E-15	7.9978E-13	6.07833E-16
210	570750.6	4178159	0.55, 41781	0.29528	0.33222	0.27619	146.48828	52.90094	155.94977	21.86848	12.23914	22.93785	5.37E-09	3.03E-06	4.46E-07	1.66E-12	5E-12	3.95E-12	9.55E-16	2.31E-14	1.27E-15	2.52949E-14	1.788E-11	2.0192E-08	4.45563E-07	1.69337E-12	3.86089E-15	8.45216E-13	6.42364E-16
211	570790.6	4178159	0.55, 41781	0.33253	0.38536	0.30655	168.4296	63.37031	207.44804	22.18934	13.75991	31.3643	5.96E-09	4.03E-06	6.09E-07	1.84E-12	5.55E-12	4.38E-12	1.06E-15	2.56E-14	1.41E-15	2.80758E-14	1.985E-11	2.686E-08	6.09204E-07	1.87954E-12	4.28535E-15	9.38138E-13	7.12985E-16
212	570830.6	4178159	0.55, 41781	0.39122	0.44987	0.34708	226.40986	70.88867	244.94075	28.30123	15.58224	30.61759	6.74E-09	4.76E-06	5.95E-07	2.08E-12	6.28E-12	4.96E-12	1.2E-15	2.9E-14	1.6E-15	3.17882E-14	2.248E-11	3.1714E-08	5.94736E-07	2.12806E-12	4.85198E-15	1.06218E-12	8.0726E-16
213	570870.6	4178159	0.55, 41781	0.48272	0.53035	0.408	262.06298	76.1106	293.39264	32.75787	17.58972	36.67408	7.93E-09	5.7E-06	7.12E-07	2.45E-12	7.38E-12	5.83E-12	1.41E-15	3.41E-14	1.88E-15	3.73678E-14	2.642E-11	3.7987E-08	7.12375E-07	2.50159E-12	5.70363E-15	1.24862E-12	9.48954E-16
214	570910.6	4178159	0.55, 41781	0.61652	0.63133	0.50366	261.24493	84.17228	335.42472	32.65562	20.33398	41.92809	9.78E-09	6.51E-06	8.14E-07	3.02E-12	9.12E-12	7.2E-12	1.74E-15	4.21E-14	2.32E-15	4.61286E-14	3.261E-11	4.3429E-08	8.14406E-07	3.08808E-12	7.04083E-15	1.54136E-12	1.17143E-15
215	570950.6	4178159	0.55, 41781	0.78722	0.75662	0.63069	286.12528	93.97029	373.71712	38.09436	25.30252	46.71464	1.23E-08	7.26E-06	9.07E-07	3.78E-12	1.14E-11	9.02E-12	2.18E-15	5.27E-14	2.91E-15	5.77621E-14	4.084E-11	4.8387E-08	9.07388E-07	3.86689E-12	8.81651E-15	1.93009E-12	1.46687E-15
216	570990.6	4178159	0.55, 41781	0.95557	0.89576	0.74297	303.7283	113.02353	445.40224	49.39935	30.83627	55.67528	1.44E-08	8.65E-06	1.08E-06	4.45E-12	1.34E-11	1.06E-11	2.57E-15	6.21E-14	3.43E-15	6.80455E-14	4.811E-11	5.7669E-08	1.08146E-06	4.55532E-12	1.03861E-14	2.2737E-12	1.72801E-15
217	571030.6	4178159	0.55, 41781	1.0701	1.00768	0.7637	365.27865	135.92516	512.48146	63.89384	29.33742	70.31034	1.48E-08	9.95E-06	1.37E-06	4.58E-12	1.38E-11	1.09E-11	2.64E-15	6.38E-14	3.52E-15	6.99463E-14	4.945E-11	6.6354E-08	1.36575E-06	4.68256E-12	1.06762E-14	2.33722E-12	1.77628E-15
218	571070.6	4178159	0.55, 41781	1.06935	1.07923	0.71312	382.13438	155.20031	662.82772	54.74849	37.25068	94.68967	1.39E-08	1.29E-05	1.84E-06	4.28E-12	1.29E-11	1.02E-11	2.47E-15	5.96E-14	3.29E-15	6.5317E-14	4.618E-11	8.5819E-08	1.83914E-06	4.37266E-12	9.96966E-15	2.18253E-12	1.65872E-15
219	571110.6	4178159	0.55, 41781	1.19831	1.16386	0.6846	373.85472	174.62021	736.75515	53.40782	39.37776	93.09067	1.33E-08	1.43E-05	1.81E-06	4.1E-12	1.24E-11	9.79E-12	2.37E-15	5.72E-14	3.16E-15	6.27081E-14	4.434E-11	9.5391E-08	1.80808E-06	4.198E-12	9.57144E-15	2.09536E-12	1.59247E-15
220	571150.6	4178159	0.55, 41781	1.53671	1.26322	0.72724	331.2731	149.81574	693.97089	50.26616	34.67292	96.78528	1.41E-08	1.35E-05	1.88E-06	4.36E-12	1.32E-11	1.04E-11	2.51E-15	6.07E-14	3.35E-15	6.66151E-14	4.71E-11	8.9851E-08	1.87981E-06	4.45956E-12	1.01678E-14	2.22591E-12	1.69169E-15
221	571190.6	4178159	0.55, 41781	1.71324	1.27647	0.80447	303.51531	125.05743	565.89383	43.45807	29.97586	80.84198	1.56E-08	1.1E-05	1.57E-06	4.82E-12	1.46E-11	1.15E-11	2.78E-15	6.72E-14	3.71E-15	7.36867E-14	5.21E-11	7.3268E-08	1.57016E-06	4.93296E-12	1.12472E-14	2.4622E-12	1.87127E-15
222	571230.6	4178159	0.55, 41781	1.67997	1.21931	0.99011	277.00255	96.22407	622.39581	36.53844	24.95569	77.79948	1.92E-08	1.21E-05	1.51E-06	5.94E-12	1.79E-11	1.42E-11	3.42E-15	8.27E-14	4.56E-15	9.06817E-14	6.411E-11	8.0582E-08	1.51104E-06	6.07069E-12	1.38412E-14	3.03008E-12	2.30286E-15
223	571270.6	4178159	0.55, 41781	1.56347	1.13234	1.265	251.98402	83.18585	536.39129	31.498	20.71301	67.04891	2.46E-08	1.04E-05	1.3E-06	7.58E-12	2.29E-11	1.81E-11	4.37E-15	1.06E-13	5.83E-15	1.15847E-13	8.191E-11	6.9447E-08	1.30224E-06	7.75539E-12	1.76823E-14	3.87096E-12	2.94193E-15
224	571310.6	4178159	0.55, 41781	1.42012	1.03692	1.45126	223.09845	65.85457	360.16353	27.88731	18.21453	45.02044	2.82E-08	6.99E-06	8.74E-07	8.7E-12	2.63E-11	2.07E-11	5.02E-15	1.21E-13	6.69E-15	1.32898E-13	9.396E-11	4.6631E-08	8.74433E-07	8.89685E-12	2.02848E-14	4.4407E-12	3.37493E-15
225	571350.6	4178159	0.55, 41781	1.26306	0.93714	1.42084	212.7442	53.05659	355.96566	26.59303	15.01468	44.49571	2.76E-08	6.91E-06	8.64E-07	8.52E-12	2.57E-11	2.03E-11	4.91E-15	1.19E-13	6.55E-15	1.3011E-13	9.199E-11	4.6087E-08	8.64236E-07	8.71022E-12	1.98593E-14	4.34755E-12	3.30414E-15
226	571390.6	4178159	0.55, 41781	1.10199	0.83709	1.24864	185.92823	54.01949	274.01244	23.24103	13.29114	34.25155	2.43E-08	5.32E-06	6.65E-07	7.48E-12	2.26E-11	1.78E-11	4.32E-15	1.04E-13	5.76E-15	1.14341E-13	8.084E-11	3.5477E-08	6.65279E-07	7.65459E-12	1.74525E-14	3.82065E-12	2.9037E-15
227	571430.6	4178159	0.55, 41781	0.9418	0.73869	1.04204	159.26436	53.60229	222.79179	21.61583	11.2268	27.84897	2.02E-08	4.33E-06	5.41E-07	6.25E-12	1.89E-11	1.49E-11	3.6E-15	8.7E-14	4.8E-15	9.54234E-14	6.747E-11	2.8846E-08	5.40934E-07	6.38813E-12	1.45649E-14	3.18852E-12	2.42327E-15
228	571470.6	4178159	0.55, 41781	0.79447	0.64516	0.85663	139.92539	51.85557	187.30754	21.06215	9.90602	27.91527	1.66E-08	3.64E-06	5.42E-07	5.13E-12	1.55E-11	1.22E-11	2.96E-15	7.15E-14	3.95E-15	7.84456E-14	5.546E-11	2.4252E-08	5.42219E-07	5.25155E-12	1.19735E-14	2.62122E-12	1.99213E-15
229	571510.6	4178159	0.55, 41781	0.67282	0.56206	0.7111	120.25585	49.92459	159.61818	19.96311	8.50885	26.60303	1.38E-08	3.1E-06	5.17E-07	4.26E-12	1.29E-11	1.02E-11	2.46E-15	5.94E-14	3.28E-15	6.51194E-14	4.604E-11	2.0667E-08	5.1673E-07	4.35943E-12	9.93949E-15	2.17593E-12	1.65371E-15
230	571550.6	4178159	0.55, 41781	0.57423	0.48972	0.59807	110.64777	47.57404	144.95635	18.4413	7.31081	24.15939	1.16E-08	2.82E-06	4.69E-07	3.58E-12	1.08E-11	8.55E-12	2.07E-15	4.99E-14	2.76E-15	5.4769E-14	3.872E-11	1.8769E-08	4.69267E-07	3.66652E-12	8.35966E-15	1.83008E-12	1.39086E-15
231	571590.6	4178159	0.55, 41781	0.49292	0.42713	0.50772	100.4908	44.5532	128.72625	16.74847	6.44552	21.45437	9.86E-09	2.5E-06	4.17E-07	3.04E-12	9.19E-12	7.26E-12	1.76E-15	4.24E-14	2.34E-15	4.64954E-14	3.287E-11	1.6667E-08	4.16727E-07	3.11264E-12	7.09681E-15	1.55362E-12	1.18075E-15
232	570310.6	4178199	0.55, 41781	0.10691	0.07648	0.10208	81.28791	24.55019	79.664	10.16099	3.94128	9.958	1.98E-09	1.55E-06	1.93E-07	6.12E-13	1.85E-12	1.46E-12	3.53E-16	8.52E-15	4.71E-16	9.34797E-15	6.609E-12	1.0315E-08	1.93436E-07	6.25801E-13	1.42683E-15	3.12357E-13	2.37391E-16
233	570350.6	4178199	0.55, 41781	0.11881	0.08587	0.11329	92.41038	27.80697	96.15133	11.5513	4.55912	12.01892	2.2E-09	1.87E-06	2.33E-07	6.79E-13	2.05E-12	1.62E-12	3.92E-16	9.46E-15	5.22E-16	1.03745E-14	7.335E-12	1.2449E-08	2.33466E-07	6.94525E-13	1.58352E-15	3.4666E-13	2.63461E-16
234	570390.6	4178199	0.55, 41781	0.13286	0.09703	0.12666	98.9418	30.67703	108.4605	12.36772	5.11284	13.55756	2.46E-09	2.11E-06	2.63E-07	7.59E-13	2.29E-12	1.81E-12	4.38E-16	1.06E-14	5.84E-16	1.15989E-14	8.201E-12	1.4043E-08	2.6335E-07	7.76491E-13	1.7704E-15	3.87572E-13	2.94554E-16
235	570430.6	4178199	0.55, 41781	0.14935	0.11037	0.14231	98.24021	33.47488	112.67373	12.28003	5.57915	14.08422	2.76E-09	2.19E-06	2.74E-07	8.53E-13	2.58E-12	2.03E-12	4.92E-16	1.19E-14	6.56E-16	1.30321E-14	9.214E-12	1.4589E-08	2.73577E-07	8.72436E-13	1.98915E-15	4.35461E-13	3.3095E-16
236	570470.6	4178199	0.55, 41781	0.1686	0.12646	0.16043	107.25905	35.76824	115.05444	13.40738	5.96137	14.38181	3.12E-09	2.23E-06	2.79E-07	9.62E-13	2.9E-12	2.29E-12	5.55E-16	1.34E-14	7.4E-16	1.46915E-14	1.039E-11	1.4897E-08	2.79362E-07	9.83525E-13	2.24244E-15	4.90909E-13	3.7309E-16
237	570510.6	4178199	0.55, 41781	0.19081	0.14598	0.18108	111.923	37.71142	131.96286	13.99038	6.28524	16.49536	3.52E-09	2.56E-06	3.2E-07	1.09E-12	3.28E-12	2.59E-12	6.26E-16	1.51E-14	8.35E-16	1.65826E-14	1.172E-11	1.7086E-08	3.2041E-07	1.11013E-12	2.53109E-15	5.54099E-13	4.21115E-16
238	570550.6	4178199	0.55, 41781	0.21602	0.16987	0.20494	119.57772	40.00549	129.21029	14.94721	6.67621	16.15129	3.98E-09	2.51E-06	3.14E-07	1.23E-12	3.71E-12	2.93E-12	7.09E-16	1.71E-14	9.45E-16	1.87677E-14	1.327E-11	1.673E-08	3.13733E-07	1.25641E-12	2.86461E-15	6.27113E-13	4.76606E-16
239	570590.6	4178199	0.55, 41781	0.24388	0.19917	0.2325	124.08345	42.52786	147.10165	15.51043	7.78928	18.38771	4.52E-09	2.86E-06	3.57E-07	1.39E-12	4.21E-12	3.32E-12	8.04E-16	1.94E-14	1.07E-15	2.12917E-14	1.505E-11	1.9046E-08	3.57167E-07	1.42538E-12	3.24986E-15	7.11451E-13	5.40703E-16
240	570630.6	4178199	0.55, 41781	0.27242	0.23473	0.26214	135.79301	45.13025	156.31523	16.97413	8.73982	19.5394	5.09E-09	3.04E-06	3.8E-07	1.57E-12	4.74E-12	3.75E-12	9.06E-16	2.19E-14	1.21E-15	2.40063E-14	1.697E-11	2.0239E-08	3.7954E-07	1.6071E-12	3.6642E-15	8.02157E-13	6.0964E-16
241	570670.6	4178199	0.55, 41781	0.29828	0.27729	0.29064	136.89517	48.04336	174.48935	17.44831	9.65486	21.81117	5.65E-09	3.39E-06	4.24E-07	1.74E-12	5.26E-12	4.16E-12	1E-15	2.43E-14	1.34E-15	2.66167E-14	1.882E-11	2.2592E-08	4.2366E-07	1.78186E-12	4.06263E-15	8.89381E-13	6.7593E-16
242	570710.6	4178199	0.55, 41781	0.321	0.32818	0.31291	151.98197	52.23375	185.24815	19.68934	11.4382	23.15602	6.08E-09	3.6E-06	4.5E-07	1.88E-12	5.66E-12	4.47E-12	1.08E-15	2.61E-14	1.44E-15	2.86568E-14	2.026E-11	2.3985E-08	4.49788E-07	1.91843E-12	4.37403E-15	9.57551E-13	7.27739E-16
243	570750.6	4178199	0.55, 41781	0.34558	0.38955	0.32771	144.14265	57.26085	196.68908	22.53194	13.53855	24.58613	6.37E-09	3.82E-06	4.78E-07	1.96E-12	5.93E-12	4.69E-12	1.13E-15	2.74E-14	1.51E-15	3.00133E-14	2.122E-11	2.5467E-08	4.77576E-07	2.00924E-12	4.58107E-15	1.00288E-12	7.62186E-16
244	570790.6	4178199	0.55, 41781	0.38143	0.46429	0.35275	173.32889	66.95506	241.81218	25.57778	15.36352	36.58263	6.85E-09	4.7E-06	7.11E-07	2.11E-12	6.38E-12	5.04E-12	1.22E-15	2.95E-14	1.63E-15	3.23076E-14	2.284E-11	3.1309E-08	7.10561E-07	2.16284E-12	4.93127E-15	1.07954E-12	8.20451E-16
245	570830.6	4178199	0.55, 41781	0.44289	0.55991	0.39405	200.31972	78.9407	262.23048	28.47462	17.66262	37.4615	7.66E-09	5.09E-06	7.28E-07	2.36E-12	7.13E-12	5.63E-12	1.36E-15	3.29E-14	1.82E-15	3.60912E-14	2.552E-11	3.3953E-08	7.27643E-07	2.41613E-12	5.50877E-15	1.20597E-12	9.16534E-16
246	570870.6	4178199	0.55, 41781	0.55133	0.6879	0.45528	245.75399	83.68372	263.19795	34.28137	20.83884	36.18743	8.85E-09	5.11E-06	7.03E-07	2.73E-12	8.24E-12	6.51E-12	1.57E-15	3.8E-14	2.1E-15	4.17003E-14	2.948E-11	3.4078E-08	7.02932E-07	2.79163E-12	6.36491E-15	1.39339E-12	1.05898E-15
247	570910.6	4178199	0.55, 41781	0.74216	0.86472	0.57468	353.61381	98.21675	387.24795	44.20173	24.01316	48.40599	1.12E-08	7.52E-06	9.4E-07	3.45E-12	1.04E-11	8.22E-12	1.99E-15	4.8E-14	2.65E-15	5.26364E-14	3.722E-11	5.0139E-08	9.40266E-07	3.52375E-12	8.03415E-15	1.75882E-12	1.3367E-15
248	570950.6	4178199	0.55, 41781	1.08517	1.1274	0.77671	376.11466	111.85514	479.74888	52.74149	29.33795	59.96861	1.51E-08	9.32E-06	1.16E-06	4.66E-12	1.41E-11	1.11E-11	2.69E-15	6.49E-14	3.58E-15	7.11402E-14	5.03E-11	6.2116E-08	1.16485E-06	4.76249E-12	1.08585E-14	2.37711E-12	1.8066E-15
249	570990.6	4178199	0.55, 41781	1.58976	1.56693	1.05873	410.19015	135.68135	559.12982	68.60008	44.06737	76.18548	2.06E-08	1.09E-05	1.48E-06	6.35E-12	1.92E-11	1.51E-11	3.66E-15	8.84E-14	4.88E-15	9.69718E-14	6.856E-11	7.2393E-08	1.47987E-06	6.49179E-12	1.48013E-14	3.24026E-12	2.4626E-15
250	571030.6	4178199	0.55, 41781	2.42958	2.27373	1.377	561.74649	191.25505	728.04918	107.05418	55.40677	100.45619	2.68E-08	1.41E-05	1.95E-06	8.26E-12	2.49E-11	1.97E-11	4.76E-15	1.15E-13	6.35E-15	1.26129E-13	8.918E-11	9.4265E-08	1.9514E-06	8.44373E-12	1.92517E-14	4.21454E-12	3.20305E-15
251	571070.6	4178199	0.55, 41781	3.58306	3.18041	1.39903	721.18769	259.71405	966.70756	139.44796	73.67892	146.94766	2.72E-08	1.88E-05	2.85E-06	8.39E-12	2.53E-11	2E-11	4.84E-15	1.17E-13	6.45E-15	1.2817E-13	9.062E-11	1.2517E-07	2.85443E-06	8.58033E-12	1.95631E-14	4.28272E-12	3.25486E-15
252	571110.6	4178199	0.55, 41781	5.26167	3.22788	1.2956	536.30163	206.72583	1199.13306	116.57539	57.94295	153.9862	2.52E-08	2.33E-05	2.99E-06	7.77E-12	2.35E-11	1.85E-11	4.48E-15	1.08E-13	5.98E-15	1.18705E-13	8.393E-11	1.5525E-07	2.99099E-06	7.94674E-12	1.81186E-14	3.96647E-12	3.01452E-15
253	571150.6	4178199	0.55, 41781	4.55265	2.7214	1.43074	406.82024	165.14744	1078.46551	75.27018	43.84452	138.95995	2.78E-08	2.09E-05	2.7E-06	8.58E-12	2.59E-11	2.05E-11	4.95E-15	1.2E-13	6.6E-15	1.31065E-13	9.267E-11	1.3963E-07	2.69896E-06	8.77415E-12	2.00051E-14	4.37946E-12	3.32839E-15
254	571190.6	4178199	0.55, 41781	3.6655	2.27193	1.9191	348.88414	129.45816	921.59929	55.11772	35.12171	118.18584	3.73E-08	1.79E-05	2.3E-06	1.15E-11	3.47E-11	2.74E-11	6.64E-15	1.6E-13	8.85E-15	1.75765E-13	1.243E-10	1.1932E-07	2.29543E-06	1.17666E-11	2.68278E-14	5.87307E-12	4.46353E-15

255	571230.6	4178199	0.55, 41781	2.99647	1.91661	2.63905	311.11499	100.77545	780.81724	44.29874	28.05958	97.60216	5.13E-08	1.52E-05	1.9E-06	1.58E-11	4.78E-11	3.77E-11	9.12E-15	2.2E-13	1.22E-14	2.4167E-13	1.709E-10	1.0109E-07	1.89564E-06	1.61786E-11	3.68873E-14	8.07527E-12	6.1372E-15
256	571270.6	4178199	0.55, 41781	2.48655	1.63354	2.7833	275.28639	78.6156	563.64868	36.03295	23.70769	70.45609	5.41E-08	1.09E-05	1.37E-06	1.67E-11	5.04E-11	3.98E-11	9.62E-15	2.32E-13	1.28E-14	2.54869E-13	1.802E-10	7.2976E-08	1.36843E-06	1.70622E-11	3.89019E-14	8.51631E-12	6.4724E-15
257	571310.6	4178199	0.55, 41781	2.04979	1.39182	2.36332	251.65063	69.80646	418.93362	31.45633	18.505	52.3667	4.59E-08	8.14E-06	1.02E-06	1.42E-11	4.28E-11	3.38E-11	8.17E-15	1.97E-13	1.09E-14	2.16411E-13	1.53E-10	5.424E-08	1.01711E-06	1.44877E-11	3.30319E-14	7.23126E-12	5.49576E-15
258	571350.6	4178199	0.55, 41781	1.66907	1.18291	1.84305	207.71058	67.17721	304.96385	28.41822	15.5683	43.42728	3.58E-08	5.92E-06	8.43E-07	1.1E-11	3.34E-11	2.63E-11	6.37E-15	1.54E-13	8.5E-15	1.68772E-13	1.193E-10	3.9485E-08	8.43497E-07	1.12985E-11	2.57605E-14	5.63942E-12	4.28596E-15
259	571390.6	4178199	0.55, 41781	1.33874	0.99933	1.42084	175.53523	63.93291	243.3206	26.80029	13.20173	40.55343	2.76E-08	4.73E-06	7.88E-07	8.52E-12	2.57E-11	2.03E-11	4.91E-15	1.19E-13	6.55E-15	1.30111E-13	9.199E-11	3.1504E-08	7.87679E-07	8.71033E-12	1.98595E-14	4.3476E-12	3.30418E-15
260	571430.6	4178199	0.55, 41781	1.08215	0.84466	1.12094	146.49279	60.30749	207.71024	24.41546	11.02968	34.61837	2.18E-08	4.03E-06	6.72E-07	6.72E-12	2.03E-11	1.6E-11	3.88E-15	9.36E-14	5.17E-15	1.0265E-13	7.258E-11	2.6894E-08	6.72409E-07	6.87191E-12	1.56679E-14	3.42999E-12	2.60679E-15
261	571470.6	4178199	0.55, 41781	0.88511	0.71494	0.90372	129.54701	55.96987	172.11269	21.59117	9.33698	28.68545	1.76E-08	3.34E-06	5.57E-07	5.42E-12	1.64E-11	1.29E-11	3.12E-15	7.55E-14	4.17E-15	8.27588E-14	5.851E-11	2.2285E-08	5.57178E-07	5.5403E-12	1.26319E-14	2.76534E-12	2.10166E-15
262	571510.6	4178199	0.55, 41781	0.73336	0.60746	0.74181	112.64977	51.14316	142.69265	18.77496	8.40942	23.78211	1.44E-08	2.77E-06	4.62E-07	4.45E-12	1.34E-11	1.06E-11	2.56E-15	6.19E-14	3.42E-15	6.79323E-14	4.803E-11	1.8476E-08	4.61942E-07	4.54773E-12	1.03688E-14	2.26992E-12	1.72514E-15
263	571550.6	4178199	0.55, 41781	0.6189	0.52125	0.62191	97.68282	46.08498	120.36205	16.28047	7.59304	20.06034	1.21E-08	2.34E-06	3.9E-07	3.73E-12	1.13E-11	8.89E-12	2.15E-15	5.19E-14	2.87E-15	5.69525E-14	4.027E-11	1.5584E-08	3.89653E-07	3.81269E-12	8.69294E-15	1.90304E-12	1.44631E-15
264	571590.6	4178199	0.55, 41781	0.52714	0.45016	0.52751	84.87826	41.93857	102.67653	14.14638	6.8553	17.11275	1.02E-08	1.99E-06	3.32E-07	3.16E-12	9.55E-12	7.54E-12	1.82E-15	4.41E-14	2.43E-15	4.83079E-14	3.416E-11	1.3295E-08	3.324E-07	3.23397E-12	7.37346E-15	1.61418E-12	1.22678E-15
265	570310.6	4178239	0.55, 41782	0.10871	0.07725	0.10419	69.36135	22.19632	77.30253	9.49069	3.20395	10.55794	2.02E-09	1.5E-06	2.05E-07	6.24E-13	1.89E-12	1.49E-12	3.6E-16	8.7E-15	4.8E-16	9.54117E-15	6.746E-12	1.0009E-08	2.05083E-07	6.38735E-13	1.45632E-15	3.18813E-13	2.42298E-16
266	570350.6	4178239	0.55, 41782	0.12097	0.08699	0.11543	80.24676	23.95533	77.73127	10.03084	3.79637	10.6184	2.24E-09	1.51E-06	2.06E-07	6.92E-13	2.09E-12	1.65E-12	3.99E-16	9.64E-15	5.32E-16	1.05705E-14	7.474E-12	1.0065E-08	2.0626E-07	7.07644E-13	1.61343E-15	3.53208E-13	2.68438E-16
267	570390.6	4178239	0.55, 41782	0.13576	0.09875	0.129	97.68381	28.15369	96.07123	12.21048	4.56788	12.0089	2.51E-09	1.87E-06	2.33E-07	7.73E-13	2.33E-12	1.84E-12	4.46E-16	1.08E-14	5.95E-16	1.18132E-14	8.352E-12	1.2439E-08	2.33275E-07	7.90837E-13	1.80311E-15	3.94732E-13	2.99996E-16
268	570430.6	4178239	0.55, 41782	0.15369	0.11303	0.14573	112.57412	32.01468	119.02369	14.07177	5.30028	14.87796	2.83E-09	2.31E-06	2.89E-07	8.73E-13	2.64E-12	2.08E-12	5.04E-16	1.22E-14	6.72E-16	1.33453E-14	9.436E-12	1.5411E-08	2.89001E-07	8.93403E-13	2.03696E-15	4.45926E-13	3.38904E-16
269	570470.6	4178239	0.55, 41782	0.17542	0.1305	0.16624	120.86213	35.6675	135.90431	15.10777	5.94458	16.98804	3.23E-09	2.64E-06	3.3E-07	9.96E-13	3.01E-12	2.38E-12	5.75E-16	1.39E-14	7.66E-16	1.52236E-14	1.076E-11	1.7596E-08	3.29983E-07	1.01914E-12	2.32364E-15	5.08686E-13	3.86602E-16
270	570510.6	4178239	0.55, 41782	0.20166	0.15208	0.19089	118.29832	38.86505	139.27939	14.78729	6.47751	17.40992	3.71E-09	2.71E-06	3.38E-07	1.14E-12	3.45E-12	2.73E-12	6.6E-16	1.59E-14	8.8E-16	1.74809E-14	1.236E-11	1.8033E-08	3.38175E-07	1.17026E-12	2.6682E-15	5.84116E-13	4.43928E-16
271	570550.6	4178239	0.55, 41782	0.23297	0.17899	0.21994	134.82021	41.51275	155.81716	16.85253	6.91879	19.47714	4.27E-09	3.03E-06	3.78E-07	1.32E-12	3.98E-12	3.14E-12	7.6E-16	1.84E-14	1.01E-15	2.01413E-14	1.424E-11	2.0175E-08	3.7833E-07	1.34836E-12	3.07427E-15	6.73011E-13	5.11488E-16
272	570590.6	4178239	0.55, 41782	0.26933	0.21289	0.25402	138.182	44.61865	161.93184	17.27275	7.89914	20.24148	4.93E-09	3.14E-06	3.93E-07	1.52E-12	4.6E-12	3.63E-12	8.78E-16	2.12E-14	1.17E-15	2.32624E-14	1.645E-11	2.0966E-08	3.93176E-07	1.5573E-12	3.55065E-15	7.77299E-13	5.90748E-16
273	570630.6	4178239	0.55, 41782	0.31001	0.25571	0.29378	151.57706	47.88426	180.12829	18.94713	9.37801	22.51604	5.71E-09	3.5E-06	4.37E-07	1.76E-12	5.32E-12	4.2E-12	1.02E-15	2.45E-14	1.35E-15	2.69037E-14	1.902E-11	2.3322E-08	4.37356E-07	1.80107E-12	4.10644E-15	8.98972E-13	6.83219E-16
274	570670.6	4178239	0.55, 41782	0.35129	0.30919	0.33746	163.01094	51.1286	193.67566	20.37637	10.66356	24.20946	6.56E-09	3.76E-06	4.7E-07	2.02E-12	6.11E-12	4.82E-12	1.17E-15	2.82E-14	1.56E-15	3.09041E-14	2.185E-11	2.5076E-08	4.70249E-07	2.06888E-12	4.71705E-15	1.03264E-12	7.8481E-16
275	570710.6	4178239	0.55, 41782	0.3879	0.37553	0.37852	161.77129	55.27243	215.9147	21.46966	11.91574	26.98934	7.35E-09	4.19E-06	5.24E-07	2.27E-12	6.85E-12	5.41E-12	1.31E-15	3.16E-14	1.74E-15	3.4665E-14	2.451E-11	2.7956E-08	5.2424E-07	2.32065E-12	5.29109E-15	1.15831E-12	8.80317E-16
276	570750.6	4178239	0.55, 41782	0.41955	0.45853	0.40652	185.09687	61.2613	243.75059	24.33831	15.0229	31.56234	7.9E-09	4.73E-06	6.13E-07	2.44E-12	7.36E-12	5.81E-12	1.41E-15	3.4E-14	1.87E-15	3.72305E-14	2.632E-11	3.156E-08	6.13061E-07	2.4924E-12	5.68267E-15	1.24404E-12	9.45468E-16
277	570790.6	4178239	0.55, 41782	0.45531	0.56517	0.42739	195.76674	71.16962	229.68596	30.0466	17.67317	35.54387	8.3E-09	4.46E-06	6.9E-07	2.56E-12	7.74E-12	6.11E-12	1.48E-15	3.57E-14	1.97E-15	3.91438E-14	2.768E-11	2.9739E-08	6.90412E-07	2.62048E-12	5.9747E-15	1.30797E-12	9.94055E-16
278	570830.6	4178239	0.55, 41782	0.51729	0.70869	0.46924	186.14136	86.93814	313.42291	30.32646	20.0795	44.72862	9.12E-09	6.09E-06	8.69E-07	2.81E-12	8.49E-12	6.71E-12	1.62E-15	3.92E-14	2.16E-15	4.29788E-14	3.039E-11	4.0581E-08	8.68779E-07	2.87722E-12	6.56005E-15	1.43611E-12	1.09144E-15
279	570870.6	4178239	0.55, 41782	0.63421	0.91745	0.53024	225.98347	96.3139	311.28977	37.66391	24.81387	41.34654	1.03E-08	6.05E-06	8.03E-07	3.18E-12	9.6E-12	7.58E-12	1.83E-15	4.43E-14	2.44E-15	4.85686E-14	3.434E-11	4.0305E-08	8.03139E-07	3.25143E-12	7.41327E-15	1.62289E-12	1.2334E-15
280	570910.6	4178239	0.55, 41782	0.85302	1.23442	0.65693	293.13359	117.47886	326.7744	47.06613	30.6738	48.00957	1.28E-08	6.35E-06	9.33E-07	3.94E-12	1.19E-11	9.39E-12	2.27E-15	5.49E-14	3.03E-15	6.01755E-14	4.255E-11	4.2311E-08	9.32583E-07	4.02845E-12	9.18488E-15	2.01073E-12	1.52816E-15
281	570950.6	4178239	0.55, 41782	1.35023	1.79208	0.88884	455.80102	142.22416	478.03953	68.40553	39.86266	68.50221	1.73E-08	9.28E-06	1.33E-06	5.33E-12	1.61E-11	1.27E-11	3.07E-15	7.42E-14	4.1E-15	8.1422E-14	5.757E-11	6.1895E-08	1.33066E-06	5.4508E-12	1.24278E-14	2.72067E-12	2.06771E-15
282	570990.6	4178239	0.55, 41782	3.0182	3.06414	1.32054	885.93977	193.04223	771.54657	147.1874	58.20401	96.44332	2.57E-08	1.5E-05	1.87E-06	7.92E-12	2.39E-11	1.89E-11	4.57E-15	1.1E-13	6.09E-15	1.20979E-13	8.554E-11	9.9897E-08	1.87369E-06	8.09898E-12	1.84657E-14	4.04246E-12	3.07227E-15
283	571030.6	4178239	0.55, 41782	7.70332	4.46365	2.30139	679.65913	243.63294	1123.21669	144.28562	71.78775	156.8655	4.47E-08	2.18E-05	3.05E-06	1.38E-11	4.17E-11	3.29E-11	7.96E-15	1.92E-13	1.06E-14	2.10825E-13	1.491E-10	1.4543E-07	3.04705E-06	1.41137E-11	3.21792E-14	7.0446E-12	5.35389E-15
284	571110.6	4178239	0.55, 41782	48.37684	13.76668	3.52906	1082.14109	288.2044	2417.61379	441.33003	115.9324	328.07057	6.86E-08	4.7E-05	6.37E-06	2.12E-11	6.39E-11	5.05E-11	1.22E-14	2.95E-13	1.63E-14	3.23538E-13	2.288E-10	3.1301E-07	6.37339E-06	2.16593E-11	4.93832E-14	1.08108E-11	8.21624E-15
285	571150.6	4178239	0.55, 41782	14.38318	6.22649	4.84511	550.93904	192.81003	1871.63269	147.46183	59.89562	339.77194	9.41E-08	3.63E-05	6.6E-06	2.9E-11	8.77E-11	6.93E-11	1.68E-14	4.05E-13	2.23E-14	4.43773E-13	3.138E-10	2.4232E-07	6.59906E-06	2.97084E-11	6.77352E-14	1.48284E-11	1.12696E-14
286	571190.6	4178239	0.55, 41782	8.08563	4.10425	7.76231	423.01159	138.20819	1326.9025	88.76631	43.45879	203.98194	1.51E-07	2.58E-05	3.96E-06	4.65E-11	1.4E-10	1.11E-10	2.68E-14	6.48E-13	3.58E-14	7.10794E-13	5.026E-10	1.7179E-07	3.96174E-06	4.75842E-11	1.08492E-13	2.37508E-11	1.80506E-14
287	571230.6	4178239	0.55, 41782	5.48613	3.01374	6.36519	364.79857	99.98669	820.37732	64.1708	32.88659	114.5851	1.24E-07	1.59E-05	2.23E-06	3.81E-11	1.15E-10	9.1E-11	2.2E-14	5.32E-13	2.93E-14	5.82849E-13	4.121E-10	1.0621E-07	2.22555E-06	3.90189E-11	8.89631E-14	1.94756E-11	1.48014E-14
288	571270.6	4178239	0.55, 41782	3.91656	2.30583	4.21608	308.69657	91.16262	501.73471	42.97299	25.31404	83.35946	8.19E-08	9.74E-06	1.62E-06	2.53E-11	7.63E-11	6.03E-11	1.46E-14	3.52E-13	1.94E-14	3.86067E-13	2.73E-10	6.4961E-08	1.61905E-06	2.58453E-11	5.89272E-14	1.29002E-11	9.80415E-15
289	571310.6	4178239	0.55, 41782	2.81911	1.80691	2.86031	238.76095	82.99282	368.88984	36.57222	19.65898	61.48164	5.56E-08	7.16E-06	1.19E-06	1.71E-11	5.18E-11	4.09E-11	9.89E-15	2.39E-13	1.32E-14	2.61925E-13	1.852E-10	4.7762E-08	1.19415E-06	1.75346E-11	3.99788E-14	8.75206E-12	6.65157E-15
290	571350.6	4178239	0.55, 41782	2.07392	1.43877	2.07081	186.98174	75.01218	257.12826	31.16362	15.62493	42.85471	4.02E-08	4.99E-06	8.32E-07	1.24E-11	3.75E-11	2.96E-11	7.16E-15	1.73E-13	9.55E-15	1.89632E-13	1.341E-10	3.3292E-08	8.32392E-07	1.26949E-11	2.89444E-14	6.33643E-12	4.81569E-15
291	571390.6	4178239	0.55, 41782	1.57003	1.1589	1.56847	153.36435	67.14235	200.39228	25.56072	13.28221	31.13336	3.05E-08	3.89E-06	6.05E-07	9.4E-12	2.84E-11	2.24E-11	5.42E-15	1.31E-13	7.23E-15	1.43632E-13	1.016E-10	2.5946E-08	6.04737E-07	9.61546E-12	2.19232E-14	4.79938E-12	3.64753E-15
292	571430.6	4178239	0.55, 41782	1.23548	0.94866	1.2378	124.99719	59.46648	164.5542	20.83286	11.6734	24.18073	2.4E-08	3.2E-06	4.7E-07	7.42E-12	2.24E-11	1.77E-11	4.28E-15	1.03E-13	5.71E-15	1.13352E-13	8.014E-11	2.1306E-08	4.69694E-07	7.58835E-12	1.73014E-14	3.78759E-12	2.87857E-15
293	571470.6	4178239	0.55, 41782	0.99131	0.7845	0.9961	109.3041	54.21436	142.14876	17.2339	10.26711	19.9293	1.93E-08	2.76E-06	3.87E-07	5.97E-12	1.8E-11	1.42E-11	3.44E-15	8.32E-14	4.59E-15	9.12185E-14	6.449E-11	1.8405E-08	3.87113E-07	6.10663E-12	1.39231E-14	3.04802E-12	2.31649E-15
294	571510.6	4178239	0.55, 41782	0.81688	0.65976	0.82266	100.30585	50.40167	129.05875	14.55844	9.03737	16.96469	1.6E-08	2.51E-06	3.3E-07	4.93E-12	1.49E-11	1.18E-11	2.84E-15	6.87E-14	3.79E-15	7.53359E-14	5.326E-11	1.6711E-08	3.29527E-07	5.04337E-12	1.14989E-14	2.51731E-12	1.91315E-15
295	571550.6	4178239	0.55, 41782	0.68618	0.56281	0.69258	92.19218	46.80105	116.817	12.52836	7.96128	14.60636	1.35E-08	2.27E-06	2.84E-07	4.15E-12	1.25E-11	9.9E-12	2.39E-15	5.78E-14	3.19E-15	6.34239E-14	4.484E-11	1.5126E-08	2.83718E-07	4.24592E-12	9.68069E-15	2.11927E-12	1.61065E-15
296	571590.6	4178239	0.55, 41782	0.57854	0.48285	0.58537	84.94405	43.3686	105.85184	10.89629	7.01254	13.23148	1.14E-08	2.06E-06	2.57E-07	3.51E-12	1.06E-11	8.37E-12	2.02E-15	4.89E-14	2.7E-15	5.36061E-14	3.79E-11	1.3706E-08	2.5701E-07	3.58867E-12	8.18216E-15	1.79122E-12	1.36133E-15
297	570310.6	4178279	0.55, 41782	0.11004	0.07807	0.10589	74.04292	22.79319	77.67346	10.17864	3.64675	10.70288	2.06E-09	1.51E-06	2.08E-07	6.35E-13	1.92E-12	1.51E-12	3.66E-16	8.84E-15	4.88E-16	9.69684E-15	6.856E-12	1.0057E-08	2.07901E-07	6.49156E-13	1.48008E-15	3.24014E-13	2.46251E-16
298	570350.6	4178279	0.55, 41782	0.12249	0.08802	0.11726	80.9847	23.74961	88.18196	11.08549	3.81596	12.05595	2.28E-09	1.71E-06	2.34E-07	7.03E-13	2.12E-12	1.68E-12	4.05E-16	9.79E-15	5.41E-16	1.07381E-14	7.592E-12	1.1418E-08	2.34182E-07	7.18862E-13	1.639E-15	3.58807E-13	2.72693E-16
299	570390.6	4178279	0.55, 41782	0.13757	0.10016	0.13084	86.03589	24.80698	96.47388	11.74551	4.00404	13.13274	2.54E-09	1.87E-06	2.55E-07	7.84E-13	2.37E-12	1.87E-12	4.52E-16	1.09E-14	6.03E-16	1.19817E-14	8.471E-12	1.2491E-08	2.55097E-07	8.02117E-13	1.82883E-15	4.00362E-13	3.04275E-16
300	570430.6	4178279	0.55, 41782	0.15607	0.11514	0.14747	96.31741	27.84204	100.58043	12.03968	4.46456	13.6645	2.86E-09	1.95E-06	2.65E-07	8.84E-13	2.67E-12	2.11E-12	5.1E-16	1.23E-14	6.8E-16	1.35047E-14	9.548E-12	1.3023E-08	2.65425E-07	9.04071E-13	2.06128E-15	4.51251E-13	3.42951E-16
301	570470.6	4178279	0.55, 41782	0.17907	0.13378	0.16835	120.52086	33.01708	119.41006	15.06511	5.41696	14.92626	3.27E-09	2.32E-06	2.9E-07	1.01E-12	3.05E-12	2.41E-12	5.82E-16	1.41E-14	7.76E-16	1.54168E-14	1.09E-11	1.5461E-08	2.89944E-07	1.03208E-12	2.35314E-15	5.15144E-13	3.9151E-16
302	570510.6	4178279	0.55, 41782	0.20795	0.15724	0.19497	141.57577	37.85068	153.41811	17.69697	6.30845	19.17726	3.79E-09	2.98E-06	3.73E-07	1.17E-12	3.53E-12	2.79E-12	6.74E-16	1.63E-14	8.99E-16	1.78546E-14	1.262E-11	1.9864E-08	3.72511E-07	1.19528E-12	2.72524E-15	5.96602E-13	4.53418E-16
303	570550.6	4178279	0.55, 41782	0.24435	0.18714	0.22876	153.17347	42.50173	177.88461	19.14668	7.08362	22.23558	4.44E-09	3.45E-06	4.32E-07	1.37E-12	4.14E-12	3.27E-12	7.91E-16	1.91E-14	1.05E-15	2.0949E-14	1.481E-11	2.3032E-08	4.31911E-07	1.40244E-12	3.19755E-15	7.00001E-13	5.32001E-16
304	570590.6	4178279	0.55, 41782	0.28993	0.22577	0.27077	157.86485	46.41285	177.78268	19.73311	7.73548	22.22284	5.26E-09	3.45E-06	4.32E-07	1.62E-12	4.9E-12	3.87E-12	9.36E-16	2.26E-14	1.25E-15	2.47963E-14	1.753E-11	2.3019E-08	4.31666E-07	1.65999E-12	3.78478E-15	8.28554E-13	6.29701E-16
305	570630.6	4178279	0.55, 41782	0.34541	0.27631	0.32199	169.89337	50.77009	212.69617	21.23667	9.57894	26.58702	6.25E-09	4.13E-06	5.16E-07	1.93E-12	5.83E-12	4.6E-12	1.11E-15	2.69E-14	1.48E-15	2.9487E-14	2.085E-11	2.7539E-08	5.16426E-07	1.97401E-12	4.50075E-15	9.85292E-13	7.48822E-16
306	570670.6	4178279	0.55, 41782	0.40869	0.34273	0.38328	189.16159	55.36754	226.13934	23.6452	11.64813	28.26742	7.45E-09	4.39E-06	5.49E-07	2.3E-12	6.94E-12	5.48E-12	1.33E-15	3.2E-14	1.77E-15	3.51001E-14	2.482E-11	2.928E-08	5.49071E-07	2.34978E-12	5.3575E-15	1.17285E-12	8.91366E-16
307	570710.6	4178279	0.55, 41782	0.47241	0.42944	0.45188	202.37611	59.97812	249.97635	25.29701	13.4468	31.24704	8.78E-09	4.85E-06	6.07E-07	2.71E-12	8.18E-12	6.46E-12	1.56E-15	3.77E-14	2.08E-15	4.13829E-14	2.926E-11	3.2366E-08	6.06943E-07	2.77038E-12	6.31648E-15	1.38279E-12	1.05092E-15
308	570750.6	4178279	0.55, 41782	0.52143	0.53099	0.51003	207.36077	66.44988	280.46815	28.38204	16.35494	35.05852	9.91E-09	5.45E-06	6.81E-07	3.06E-12	9.23E-12	7.29E-12	1.76E-15	4.26E-14	2.35E-15	4.67093E-14	3.302E-11	3.6314E-08	6.80978E-07	3.12696E-12	7.12946E-15	1.56076E-12	1.18618E-15
309	570790.6	4178279	0.55, 41782	0.56782	0.69623	0.54766	217.33897	75.80804	318.83899	33.24185	20.36018	42.96761	1.06E-08	6.19E-06	8.35E-07	3.28E-12	9.91E-12	7.83E-12	1.89E-15	4.57E-14	2.52E-15	5.01584E-14	3.546E-11	4.1282E-08	8.34596E-07	3.35786E-12	7.65591E-15	1.67601E-12	1.27377E-15
310	570830.6	4178279	0.55, 41782	0.62461	0.91706	0.58168	236.67869	94.57659	403.572	34.09074	24.90976	60.93237	1.13E-08	7.84E-06	1.18E-06	3.49E-12	1.05E-11	8.32E-12	2.01E-15	4.86E-14	2.68E-15	5.32782E-14	3.767E-11	5.2252E-08	1.18347E-06	3.56672E-12	8.13211E-15	1.78026E-12	1.353E-15
311	570870.6	4178279	0.55, 41782	0.74364	1.27032	0.64347	232.57719	121.10786	430.4482	38.76287	29.17824	53.80602	1.25E-08	8.36E-06	1.05E-06	3.86E-12	1.16E-11	9.2E-12	2.23E-15	5.38E-14	2.97E-15	5.89437E-14	4.167E-11	5.5733E-08	1.0451E-06	3.94599E-12	8.99686E-15	1.96957E-12	1.49687E-15
312	570910.6	4178279	0.55, 41782	0.98087	1.94043	0.78377	289.58181	139.00222	423.1545	48.26363	45.30681	59.61258	1.52E-08	8.22E-06	1.16E-06	4.7E-12	1.42E-11	1.12E-11	2.71E-15	6.55E-14	3.61E-15	7.18047E-14	5.077E-11	5.4789E-08	1.15792E-06	4.80697E-12	1.09599E-14	2.39931E-12	1.82348E-15
313	570950.6	4178279	0.55, 41782	1.54705	3.33468	1.05206	380.89662	209.14004	464.4183	63.48277	60.99964	77.40305	2.04E-08	9.02E-06	1.5E-06	6.31E-12	1.91E-11	1.5E-11	3.64E-15	8.79E-14	4.85E-15	9.6401E-14	6.816E-11	6.0134E-08	1.50348E-06	6.45357E-12	1.47141E-14	3.22118E-12	2.4481E-15
314	571150.6	4178279	0.55, 41782	125.5821	15.27099	61.53709	2183.625	235.47088	4321.7852	1020.3296	115.3363	966.08792	1.2E-06	8.39E-05	1.88E-05	3.69E-10	1.11E-09	8.8E-10	2.13E-13	5.14E-12	2.84E-13	5.63471E-12	3.984E-09	5.5953E-07	1.87666E-05	3.77216E-10	8.60054E-13	1.88281E-10	1.43093E-13
315	571190.6	4178279	0.55, 41782	19.14498	7.50998	20.68123	704.1647	157.76938	1300.13062	186.41477	61.8786	262.75525	4.02E-07	2.52E-05	5.1E-06	1.24E-10	3.74E-10	2.96E-10	7.15E-14	1.73E-12	9.53E-14	1.8937E-12	1.339E-09	1.6833E-07	5.10363E-06	1.26774E-10	2.89044E-13	6.32768E-11	4.80903E-14
316	571230.6	4178279	0.55, 41782	9.41744	4.44398	9.68706	418.2482	120.63814	710.71948	87.01567	39.51148	138.35634	1.88E-07	1.38E-05	2.69E-06	5.81E-11	1.75E-10	1.38E-10	3.35E-14	8.09E-13	4.47E-14	8.87026E-13	6.272E-10	9.2018E-08	2.6873E-06	5.93821E-11	1.35391E-13	2.96395E-11	2.2526E-14
317	571270.6	4178279	0.55, 41782	5.33507	3.02277	5.65407	265.61255	99.06709	486.13138	58.88721	29.56115	89.94232	1.1E-07	9.44E-06	1.75E-06	3.39E-11	1.02E-10	8.08E-11	1.95E-14	4.72E-13	2.61E-14	5.17742E-13	3.661E-10	6.2941E-08	1.74697E-06	3.46603E-11	7.90255E-14	1.73001E-11	1.3148E-14
318	571310.6	4178279	0.55, 41782	3.44949	2.20529	3.73581	197.38222	83.78037	349.19747	42.40574	23.44903	62.97539	7.26E-08	6.78E-06	1.22E-06	2.24E-11	6.76E-11	5.34E-11	1.29E-14	3.12E-13	1.72E-14	3.42092E-13	2.419E-10	4.5212E-08	1.22319E-06	2.29014E-11	5.22151E-14	1.14308E-11	8.68742E-15
319	571350.6	4178279	0.55, 41782	2.42474	1.67304	2.63741	164.77993	74.08708	262.11907	31.82391	19.20475	45.98547	5.12E-08	5.09E-06	8.93E-07	1.58E-11	4.77E-11	3.77E-11	9.12E-15	2.2E-13	1.22E-14	2.41513E-13	1.708E-10	3.3938E-08	8.93194E-07	1.61681E-11	3.68633E-14	8.07002E-12	6.13321E-15
320	571390.6	4178279	0.55, 41782	1.80332	1.30805	1.94946	139.62437	66.18564	204.22507	24.75802	16.07748	34.84377	3.79E-08	3.97E-06	6.77E-07	1.17E-11	3.53E-11	2.79E-11	6.74E-15	1.63E-13	8.99E-15	1.78518E-13	1.262E-10	2.6443E-08	6.76788E-07	1.19509E-11	2.7248E-14	5.96507E-12	4.53345E-15
321	571430.6	4178279	0.55, 41782	1.38872	1.04688	1.49158	120.07885	59.47148	164.54693	19.78612	13.66223	27.17412	2.9E-08	3.2E-06	5.28E-07	8.94E-12	2.7E-11	2.13E-11	5.16E-15	1.25E-13	6.88E-15	1.36589E-13	9.657E-11	2.1305E-08	5.27819E-07	9.14398E-12	2.08483E-14	4.56405E-12	3.46868E-15
322	571470.6	4178279	0.55, 41782	1.11171	0.86066	1.18684	104.95004	53.66694	136.91558	16.34545	11.81303	21.87493	2.31E-08	2.66E-06	4.25E-07	7.11E-12	2.15E-11	1.7E-11	4.1E-15	9.91E-14	5.47E-15	1.08684E-13	7.684E-11	1.7728E-08	4.24892E-07	7.27585E-12	1.65889E-14	3.63161E-12	2.76002E-15
323	571510.6	4178279	0.55, 41782	0.90331	0.71725	0.95952	92.95227	48.50847	116.77816	13.70064	10.27697	17.93941	1.86E-08	2.27E-06	3.48E-07	5.75E-12	1.74E-11	1.37E-11	3.32E-15	8.01E-14	4.42E-15	8.78677E-14	6.213E-11	1.5121E-08	3.48451E-07	5.88231E-12	1.34117E-14	2.93605E-12	2.2314E-15
324	571550.6	4178279	0.55, 41782	0.74685	0.60641	0.79002	83.35854	43.88956	102.16829	11.6678	9.00306	14.97338	1.53E-08	1.98E-06	2.91E-07	4.74E-12	1.43E-11	1.13E-11	2.73E-15	6.6E-14	3.64E-15	7.23462E-14	5.115E-11	1.3229E-08	2.90841E-07	4.84322E-12	1.10425E-14	2.41741E-12	1.83723E-15
325	571590.6	4178279	0.55, 41782	0.63093	0.52161	0.66513	75.57295	41.1264	91.05382	10.11638	7.96472	12.7323	1.29E-08	1.77E-06	2.47E-07	3.99E-12	1.2E-11	9.51E-12	2.3E-15	5.55E-14	3.07E-15	6.09096E-14	4.306E-11	1.179E-08	2.47312E-07	4.0776E-12	9.29692E-15	2.03526E-12	1.5468E-15
326	570310.6	4178319	0.55, 41783	0.1112	0.07908	0.10686	65.67409	25.12162	71.57917	10.72274	3.92383	11.92986	2.08E-09	1.39E-06	2.32E-07	6.4E-13	1.93E-12	1.53E-12	3.69E-16	8.92E-15	4.93E-16	9.78567E-15	6.919E-12	9.268E-09	2.31732E-07	6.55103E-13	1.49363E-15	3.26983E-13	2.48507E-16
327	570350.6	4178319	0.55, 41783	0.12381	0.08915	0.11863	72.99363	26.3644	78.028	10.96785	4.13077	12.26515	2.3E-09	1.52E-06	2.38E-07	7.11E-13	2.15E-12	1.7E-12	4.1E-16	9.91E-15	5.47E-16	1.08635E-14	7.681E-12	1.0103E-08	2.38244E-07	7.27261E-13	1.65815E-15	3.62999E-13	2.75879E-16
328	570390.6	4178319	0.55, 41783	0.13907	0.1015	0.13256	85.61577	27.73961	87.79758	11.84211	4.3586	12.34233	2.57E-09	1.71E-06	2.4E-07	7.95E-13	2.4E-12	1.9E-12	4.58E-16	1.11E-14	6.11E-16	1.21392E-14	8.583E-12	1.1368E-08	2.39748E-07	8.12661E-13	1.85287E-15	4.05625E-13	3.08275E-16
329	570430.6	4178319	0.55, 41783	0.15783	0.11689	0.14946	97.99246	29.27563	105.83642	13.47747	4.61214	14.5399	2.9E-09	2.06E-06	2.82E-07	8.96E-13	2.7E-12	2.14E-12	5.17E-16	1.25E-14	6.89E-16	1.36869E-14	9.677E-12	1.3703E-08	2.82433E-07	9.16271E-13	2.0891E-15	4.5734E-13	3.47579E-16
330	570470.6	4178319	0.55, 41783	0.18134	0.13633	0.17027	108.90086	31.01454	122.78	14.92794	4.89871	16.74752	3.31E-09	2.38E-06	3.25E-07	1.02E-12	3.08E-12	2.43E-12	5.89E-16	1.42E-14	7.85E-16	1.55927E-14	1.102E-11	1.5897E-08	3.25312E-07	1.04385E-12	2.37998E-15	5.2102E-13	3.95975E-16
331	570510.6	4178319	0.55, 41783	0.21129	0.16124	0.19656	118.40452	33.29424	135.32696	15.9306	5.40834	18.39398	3.82E-09	2.63E-06	3.57E-07	1.18E-12	3.56E-12	2.81E-12	6.8E-16	1.64E-14	9.06E-16	1.80003E-14	1.273E-11	1.7522E-08	3.57291E-07	1.20503E-12	2.74747E-15	6.0147E-13	4.57117E-16
332	570550.6	4178319	0.55, 41783	0.2503	0.19368	0.23096	153.9338	39.94632	153.89508	19.24172	6.62991	19.23689	4.49E-09	2.99E-06	3.74E-07	1.38E-12	4.18E-12	3.3E-12	7.98E-16	1.93E-14	1.06E-15	2.11506E-14	1.495E-11	1.9926E-08	3.73677E-07	1.41593E-12	3.22832E-15	7.06737E-13	5.3712E-16
333	570590.6	4178319	0.55, 41783	0.30196	0.23671	0.27701	186.54438	46.61587	209.37606	23.31805	7.76931	26.17201	5.38E-09	4.07E-06	5.08E-07	1.66E-12	5.01E-12	3.96E-12	9.58E-16	2.31E-14	1.28E-15	2.53679E-14	1.794E-11	2.7109E-08	5.08377E-07	1.69825E-12	3.87202E-15	8.47653E-13	6.44216E-16
334	570630.6	4178319	0.55, 41783	0.37105	0.29503	0.3391	205.0145	52.79857	247.59232	25.62681	8.79976	30.94904	6.59E-09	4.81E-06	6.01E-07	2.03E-12	6.14E-12	4.85E-12	1.17E-15	2.83E-14	1.56E-15	3.1054E-14	2.196E-11	3.2057E-08	6.01158E-07	2.07891E-12	4.73993E-15	1.03765E-12	7.88616E-16
335	570670.6	4178319	0.55, 41783	0.462	0.37572	0.42024	218.45656	59.57781	273.51496	27.30707	11.98561	34.18937	8.16E-09	5.31E-06	6.64E-07	2.52E-12	7.61E-12	6.01E-12	1.45E-15	3.51E-14	1.94E-15	3.84849E-14	2.721E-11	3.5413E-08	6.64093E-07	2.57637E-12	5.87413E-15	1.28595E-12	9.77322E-16
336	570710.6	4178319	0.55, 41783	0.57218	0.48827	0.5224	242.44958	66.62286	291.17197	30.3062	15.15553	36.3965	1.01E-08	5.65E-06	7.07E-07	3.13E-12	9.45E-12	7.47E-12	1.81E-15	4.36E-14	2.41E-15	4.7841E-14	3.383E-11	3.77E-08	7.06971E-07	3.20272E-12	7.3022E-15	1.59858E-12	1.21492E-15
337	570750.6	4178319	0.55, 41783	0.67767	0.63416	0.63666	262.41203	72.71034	341.04886	32.8015	17.84948	42.63111	1.24E-08	6.62E-06	8.28E-07	3.82E-12	1.15E-11	9.1E-12	2.2E-15	5.32E-14	2.93E-15	5.83057E-14	4.122E-11	4.4157E-08	8.28059E-07	3.90328E-12	8.89948E-15	1.94825E-12	1.48067E-15
338	570790.6	4178319	0.55, 41783	0.76041	0.85502	0.73352	285.66779	86.45349	381.79277	42.9347	23.67926	50.68659	1.42E-08	7.41E-06	9.85E-07	4.4E-12	1.33E-11	1.05E-11	2.54E-15	6.13E-14	3.38E-15	6.71789E-14	4.75E-11	4.9433E-08	9.84548E-07	4.4973E-12	1.02538E-14	2.24475E-12	1.70601E-15
339	570830.6	4178319	0.55, 41783	0.82107	1.23378	0.77266	302.59427	109.05103	424.78874	45.07728	29.79255	65.49858	1.5E-08	8.25E-06	1.27E-06	4.63E-12	1.4E-11	1.1E-11	2.67E-15	6.45E-14	3.56E-15	7.07711E-14	5.004E-11	5.5E-08	1.2722E-06	4.73778E-12	1.08021E-14	2.36478E-12	1.79723E-15
340	570870.6	4178319	0.55, 41783	0.93174	1.8881	0.81484	263.71888	150.69846	583.61	37.23183	42.82711	79.94464	1.58E-08	1.13E-05	1.55E-06	4.89E-12	1.48E-11	1.17E-11	2.82E-15	6.81E-14	3.76E-15	7.4648E-14	5.278E-11	7.5563E-08	1.5527E-06	4.99732E-12	1.13939E-14	2.49432E-12	1.89568E-15
341	570910.6	4178319	0.55, 41783	1.19482	3.5981	0.94641	225.26352	195.84246	582.08496	37.31993	59.22953	72.76062	1.84E-08	1.13E-05	1.41E-06	5.68E-12	1.71E-11	1.35E-11	3.27E-15	7.91E-14	4.37E-15	8.67332E-14	6.132E-11	7.5367E-08	1.41319E-06	5.80636E-12	1.32385E-14	2.89814E-12	2.20259E-15
342	571190.6	4178319	0.55, 41783	29.13102	9.74239	24.19825	1204.46355	192.40018	1781.17361	337.10397	86.14095	400.692	4.7E-07	3.46E-05	7.78E-06	1.45E-10	4.38E-10	3.46E-10	8.37E-14	2.02E-12	1.12E-13	2.21577E-12	1.567E-09	2.3061E-07	7.78312E-06	1.48335E-10	3.38204E-13	7.40388E-11	5.62695E-14
343	571230.6	4178319	0.55, 41783	10.45163	5.25398	11.58574	479.33008	117.37647	725.29291	126.19986	44.06446	185.38424	2.25E-07	1.41E-05	3.6E-06	6.94E-11	2.1E-10	1.66E-10	4.01E-14	9.67E-13	5.34E-14	1.06088E-12	7.501E-10	9.3905E-08	3.60078E-06	7.10208E-11	1.61927E-13	3.54488E-11	2.69411E-14
344	571270.6	4178319	0.55, 41783	5.72808	3.4301	6.64009	292.22118	96.9874	479.91721	63.79547	33.00222	105.59121	1.29E-07	9.32E-06	2.05E-06	3.98E-11	1.2E-10	9.49E-11	2.3E-14	5.54E-13	3.06E-14	6.08028E-13	4.299E-10	6.2137E-08	2.05089E-06	4.07045E-11	9.28062E-14	2.03169E-11	1.54408E-14
345	571310.6	4178319	0.55, 41783	3.67711	2.43151	4.23514	175.48484	83.52768	339.71763	43.52526	25.92364	69.01312	8.23E-08	6.6E-06	1.34E-06	2.54E-11	7.66E-11	6.05E-11	1.46E-14	3.54E-13	1.95E-14	3.87814E-13	2.742E-10	4.3985E-08	1.34045E-06	2.59622E-11	5.91939E-14	1.29586E-11	9.84853E-15
346	571350.6	4178319	0.55, 41783	2.57847	1.81872	2.91777	135.74456	73.58424	245.66728	31.86463	21.08438	47.561	5.67E-08	4.77E-06	9.24E-07	1.75E-11	5.28E-11	4.17E-11	1.01E-14	2.44E-13	1.34E-14	2.67185E-13	1.889E-10	3.1808E-08	9.23791E-07	1.78867E-11	4.07817E-14	8.92784E-12	6.78516E-15
347	571390.6	4178319	0.55, 41783	1.91038	1.41202	2.12389	114.67965	65.84745	189.40245	24.95277	17.54375	35.6451	4.13E-08	3.68E-06	6.92E-07	1.27E-11	3.84E-11	3.04E-11	7.34E-15	1.77E-13	9.79E-15	1.9449E-13	1.375E-10	2.4523E-08	6.92351E-07	1.30202E-11	2.9686E-14	6.49878E-12	4.93907E-15
348	571430.6	4178319	0.55, 41783	1.47151	1.12853	1.61377	100.57811	59.61061	161.57422	20.18585	14.84739	27.57311	3.13E-08	3.14E-06	5.36E-07	9.67E-12	2.92E-11	2.31E-11	5.58E-15	1.35E-13	7.44E-15	1.47779E-13	1.045E-10	2.092E-08	5.3557E-07	9.89305E-12	2.25561E-14	4.93794E-12	3.75283E-15
349	571470.6	4178319	0.55, 41783	1.16585	0.92218	1.2649	90.09229	54.43044	139.38169	16.69193	12.71837	21.87498	2.46E-08	2.71E-06	4.25E-07	7.58E-12	2.29E-11	1.81E-11	4.37E-15	1.06E-13	5.83E-15	1.15832E-13	8.19E-11	1.8047E-08	4.24895E-07	7.75439E-12	1.768E-14	3.87047E-12	2.94155E-15
350	571510.6	4178319	0.55, 41783	0.94595	0.76805	1.01773	81.52103	50.05282	121.69	14.06823	11.00608	17.76049	1.98E-08	2.36E-06	3.45E-07	6.1E-12	1.84E-11	1.45E-11	3.52E-15	8.5E-14	4.69E-15	9.31984E-14	6.589E-11	1.5756E-08	3.44979E-07	6.23917E-12	1.42253E-14	3.11417E-12	2.36677E-15
351	571550.6	4178319	0.55, 41783	0.78212	0.64956	0.83556	74.38547	46.28731	107.35752	12.02264	9.59923	14.66288	1.62E-08	2.09E-06	2.85E-07	5.01E-12	1.51E-11	1.19E-11	2.89E-15	6.98E-14	3.85E-15	7.65166E-14	5.41E-11	1.3901E-08	2.84813E-07	5.12241E-12	1.16791E-14	2.55676E-12	1.94314E-15
352	571590.6	4178319	0.55, 41783	0.65442	0.55508	0.69496	68.29245	42.98116	95.34122	10.3334	8.40789	12.26582	1.35E-08	1.85E-06	2.38E-07	4.17E-12	1.26E-11	9.93E-12	2.4E-15	5.8E-14	3.2E-15	6.36415E-14	4.5E-11	1.2345E-08	2.38254E-07	4.26049E-12	9.71391E-15	2.12655E-12	1.61617E-15
353	570310.6	4178359	0.55, 41783	0.11229	0.07993	0.10794	69.29068	26.58817	75.81746	11.54845	4.0095	12.46153	2.1E-09	1.47E-06	2.42E-07	6.47E-13	1.95E-12	1.54E-12	3.73E-16	9.01E-15	4.98E-16	9.88458E-15	6.989E-12	9.8168E-09	2.42061E-07	6.61724E-13	1.50873E-15	3.30288E-13	2.51019E-16
354	570350.6	4178359	0.55, 41783	0.12531	0.09043	0.1201	75.30937	28.06345	82.61098	12.55156	4.25756	13.7685	2.33E-09	1.6E-06	2.67E-07	7.2E-13	2.17E-12	1.72E-12	4.15E-16	1E-14	5.54E-16	1.09982E-14	7.776E-12	1.0696E-08	2.67447E-07	7.36273E-13	1.6787E-15	3.67497E-13	2.79298E-16
355	570390.6	4178359	0.55, 41783	0.14084	0.10296	0.13441	81.29058	29.71471	90.82388	13.54843	4.53386	15.13731	2.61E-09	1.76E-06	2.94E-07	8.06E-13	2.43E-12	1.92E-12	4.65E-16	1.12E-14	6.2E-16	1.23086E-14	8.703E-12	1.176E-08	2.94034E-07	8.24003E-13	1.87873E-15	4.11286E-13	3.12578E-16
356	570430.6	4178359	0.55, 41783	0.15989	0.11858	0.15186	87.11605	31.54887	98.44842	14.51934	4.83992	16.40807	2.95E-09	1.91E-06	3.19E-07	9.1E-13	2.75E-12	2.17E-12	5.25E-16	1.27E-14	7E-16	1.39067E-14	9.832E-12	1.2747E-08	3.18717E-07	9.30984E-13	2.12264E-15	4.64684E-13	3.5316E-16
357	570470.6	4178359	0.55, 41783	0.18374	0.13844	0.17326	97.3598	33.59814	106.34308	15.36354	5.1813	17.51553	3.37E-09	2.07E-06	3.4E-07	1.04E-12	3.14E-12	2.48E-12	5.99E-16	1.45E-14	7.99E-16	1.58665E-14	1.122E-11	1.3769E-08	3.40229E-07	1.06218E-12	2.42178E-15	5.30169E-13	4.02929E-16
358	570510.6	4178359	0.55, 41783	0.21432	0.16421	0.20002	118.04415	35.93263	125.3205	16.48105	5.5698	18.1537	3.89E-09	2.43E-06	3.53E-07	1.2E-12	3.62E-12	2.86E-12	6.92E-16	1.67E-14	9.22E-16	1.83172E-14	1.295E-11	1.6226E-08	3.52628E-07	1.22624E-12	2.79584E-15	6.12057E-13	4.65164E-16
359	570550.6	4178359	0.55, 41783	0.25472	0.19842	0.23435	139.50155	38.63371	157.96544	19.4148	6.01971	21.81117	4.55E-09	3.07E-06	4.24E-07	1.4E-12	4.24E-12	3.35E-12	8.1E-16	1.96E-14	1.08E-15	2.14611E-14	1.517E-11	2.0453E-08	4.2367E-07	1.43672E-12	3.27571E-15	7.17111E-13	5.45005E-16
360	570590.6	4178359	0.55, 41783	0.30979	0.24497	0.28017	159.83108	41.83842	190.36526	22.23989	6.84975	26.13545	5.44E-09	3.7E-06	5.08E-07	1.68E-12	5.07E-12	4.01E-12	9.69E-16	2.34E-14	1.29E-15	2.56574E-14	1.814E-11	2.4648E-08	5.07662E-07	1.71764E-12	3.91621E-15	8.57327E-13	6.51568E-16
361	570630.6	4178359	0.55, 41783	0.38734	0.31015	0.34391	206.43147	51.05257	211.21178	25.80393	8.50876	28.98998	6.68E-09	4.1E-06	5.63E-07	2.06E-12	6.22E-12	4.92E-12	1.19E-15	2.87E-14	1.59E-15	3.14948E-14	2.227E-11	2.7347E-08	5.63115E-07	2.10842E-12	4.8072E-15	1.05238E-12	7.99809E-16
362	570670.6	4178359	0.55, 41783	0.50063	0.40488	0.43681	262.98595	60.70684	312.78941	32.87324	10.74505	39.09868	8.48E-09	6.07E-06	7.59E-07	2.62E-12	7.91E-12	6.24E-12	1.51E-15	3.65E-14	2.01E-15	4.00027E-14	2.828E-11	4.0498E-08	7.5946E-07	2.67799E-12	6.10581E-15	1.33667E-12	1.01587E-15
363	570710.6	4178359	0.55, 41783	0.66972	0.54814	0.57453	304.17814	72.14807	380.66102	38.02227	15.71205	47.58263	1.12E-08	7.39E-06	9.24E-07	3.44E-12	1.04E-11	8.21E-12	1.99E-15	4.8E-14	2.65E-15	5.26154E-14	3.72E-11	4.9286E-08	9.24244E-07	3.52234E-12	8.03094E-15	1.75811E-12	1.33617E-15
364	570750.6	4178359	0.55, 41783	0.90523	0.76876	0.77041	339.35657	85.82023	445.46467	44.72327	21.31802	55.68308	1.5E-08	8.65E-06	1.08E-06	4.62E-12	1.39E-11	1.1E-11	2.66E-15	6.43E-14	3.55E-15	7.05548E-14	4.988E-11	5.7676E-08	1.08159E-06	4.7233E-12	1.07691E-14	2.35755E-12	1.79174E-15
365	570790.6	4178359	0.55, 41783	1.13154	1.06104	0.98839	377.53193	96.31599	507.3356	54.94081	27.90141	63.41695	1.92E-08	9.85E-06	1.23E-06	5.92E-12	1.79E-11	1.41E-11	3.42E-15	8.25E-14	4.56E-15	9.05192E-14	6.4E-11	6.5687E-08	1.23183E-06	6.05982E-12	1.38164E-14	3.02465E-12	2.29873E-15
366	570830.6	4178359	0.55, 41783	1.33226	1.74963	1.18947	411.58415	139.14147	649.42864	69.46909	37.35577	97.59965	2.31E-08	1.26E-05	1.9E-06	7.13E-12	2.15E-11	1.7E-11	4.11E-15	9.93E-14	5.48E-15	1.08945E-13	7.703E-11	8.4084E-08	1.89573E-06	7.29335E-12	1.66288E-14	3.64034E-12	2.76666E-15
367	570870.6	4178359	0.55, 41783	1.45984	3.38436	1.19217	346.78431	184.49712	847.26971	52.43952	61.49528	124.03925	2.32E-08	1.65E-05	2.41E-06	7.15E-12	2.16E-11	1.71E-11	4.12E-15	9.96E-14	5.5E-15	1.0923E-13	7.723E-11	1.097E-07	2.40909E-06	7.31239E-12	1.66723E-14	3.64985E-12	2.77388E-15
368	571150.6	4178359	0.55, 41783	17.36196	17.82412	10.70274	1537.79423	258.8776	2153.28101	350.34789	128.95366	372.67701	2.08E-07	4.18E-05	7.24E-06	6.42E-11	1.94E-10	1.53E-10	3.7E-14	8.94E-13	4.93E-14	9.8034E-13	6.931E-10	2.7879E-07	7.23915E-06	6.56289E-11	1.49634E-13	3.27575E-11	2.48957E-14
369	571190.6	4178359	0.55, 41783	10.35157	8.16971	8.42586	590.93034	162.31709	1380.32388	161.82999	76.08872	218.22557	1.64E-07	2.68E-05	4.24E-06	5.05E-11	1.52E-10	1.2E-10	2.91E-14	7.04E-13	3.88E-14	7.71643E-13	5.456E-10	1.7871E-07	4.23874E-06	5.16577E-11	1.1778E-13	2.5784E-11	1.95959E-14
370	571230.6	4178359	0.55, 41783	6.41954	4.85697	6.11014	429.96716	118.18476	649.38165	103.83364	47.29307	136.54892	1.19E-07	1.26E-05	2.65E-06	3.66E-11	1.11E-10	8.73E-11	2.11E-14	5.1E-13	2.82E-14	5.59542E-13	3.956E-10	8.4077E-08	2.65229E-06	3.74586E-11	8.54056E-14	1.86968E-11	1.42096E-14
371	571270.6	4178359	0.55, 41783	4.24607	3.28764	4.46672	330.34534	97.41521	669.03521	71.25122	30.79427	101.30501	8.68E-08	1.3E-05	1.97E-06	2.68E-11	8.08E-11	6.39E-11	1.54E-14	3.73E-13	2.06E-14	4.09037E-13	2.892E-10	8.6621E-08	1.96769E-06	2.7383E-11	6.24333E-14	1.36677E-11	1.03875E-14
372	571310.6	4178359	0.55, 41783	3.01802	2.39332	3.29044	280.32399	84.30249	476.5001	47.38187	23.6076	69.83839	6.39E-08	9.25E-06	1.36E-06	1.97E-11	5.95E-11	4.7E-11	1.14E-14	2.75E-13	1.52E-14	3.01319E-13	2.13E-10	6.1694E-08	1.35649E-06	2.01718E-11	4.59918E-14	1.00684E-11	7.65199E-15
373	571350.6	4178359	0.55, 41783	2.25439	1.82521	2.47896	223.196	75.03337	276.07803	32.74083	19.24184	47.29925	4.82E-08	5.36E-06	9.19E-07	1.49E-11	4.49E-11	3.54E-11	8.57E-15	2.07E-13	1.14E-14	2.27009E-13	1.605E-10	3.5746E-08	9.18713E-07	1.51971E-11	3.46495E-14	7.58538E-12	5.76489E-15
374	571390.6	4178359	0.55, 41783	1.7395	1.43625	1.90839	164.0034	68.00709	177.73654	25.39154	16.17569	38.72375	3.71E-08	3.45E-06	7.52E-07	1.14E-11	3.45E-11	2.73E-11	6.6E-15	1.59E-13	8.8E-15	1.7476E-13	1.236E-10	2.3013E-08	7.5214E-07	1.16993E-11	2.66745E-14	5.83951E-12	4.43803E-15
375	571430.6	4178359	0.55, 41783	1.37666	1.15767	1.50113	113.66708	62.41604	162.05892	21.33563	13.79366	30.03325	2.92E-08	3.15E-06	5.83E-07	9E-12	2.72E-11	2.15E-11	5.19E-15	1.25E-13	6.92E-15	1.37466E-13	9.719E-11	2.0983E-08	5.83351E-07	9.20268E-12	2.09821E-14	4.59335E-12	3.49095E-15
376	571470.6	4178359	0.55, 41783	1.11313	0.95193	1.20554	91.64258	57.80687	139.39839	17.74486	11.89568	22.85385	2.34E-08	2.71E-06	4.44E-07	7.23E-12	2.18E-11	1.72E-11	4.17E-15	1.01E-13	5.56E-15	1.10398E-13	7.805E-11	1.8049E-08	4.4391E-07	7.3906E-12	1.68506E-14	3.68889E-12	2.80355E-15
377	571510.6	4178359	0.55, 41783	0.9166	0.79605	0.98663	82.11168	53.90312	116.32041	14.64829	10.35284	20.08654	1.92E-08	2.26E-06	3.9E-07	5.91E-12	1.79E-11	1.41E-11	3.41E-15	8.24E-14	4.55E-15	9.03516E-14	6.388E-11	1.5061E-08	3.90153E-07	6.04859E-12	1.37908E-14	3.01905E-12	2.29448E-15
378	571550.6	4178359	0.55, 41783	0.76622	0.67498	0.82026	72.9064	50.52239	102.58687	12.13868	9.07968	17.28494	1.59E-08	1.99E-06	3.36E-07	4.92E-12	1.48E-11	1.17E-11	2.84E-15	6.85E-14	3.78E-15	7.51164E-14	5.311E-11	1.3283E-08	3.35733E-07	5.02867E-12	1.14654E-14	2.50997E-12	1.90758E-15
379	571590.6	4178359	0.55, 41783	0.64386	0.57575	0.68602	65.94968	47.48497	92.44167	10.99161	8.00686	15.40694	1.33E-08	1.8E-06	2.99E-07	4.11E-12	1.24E-11	9.81E-12	2.37E-15	5.73E-14	3.16E-15	6.28234E-14	4.442E-11	1.197E-08	2.99257E-07	4.20572E-12	9.58904E-15	2.09921E-12	1.5954E-15
380	570310.6	4178399	0.55, 41783	0.11287	0.08031	0.1093	71.34246	27.87564	79.43468	11.89041	3.82503	13.23911	2.12E-09	1.54E-06	2.57E-07	6.55E-13	1.98E-12	1.56E-12	3.78E-16	9.13E-15	5.04E-16	1.00091E-14	7.077E-12	1.0285E-08	2.57163E-07	6.7006E-13	1.52774E-15	3.34448E-13	2.54181E-16
381	570350.6	4178399	0.55, 41783	0.12665	0.09175	0.12214	75.96419	29.57043	83.22909	12.46202	4.12173	13.80548	2.37E-09	1.62E-06	2.68E-07	7.32E-13	2.21E-12	1.75E-12	4.22E-16	1.02E-14	5.63E-16	1.1185E-14	7.908E-12	1.0776E-08	2.68165E-07	7.48779E-13	1.70722E-15	3.73739E-13	2.84042E-16
382	570390.6	4178399	0.55, 41783	0.1425	0.10434	0.13672	83.29233	31.439	92.96873	13.04897	4.44958	14.404	2.66E-09	1.81E-06	2.8E-07	8.19E-13	2.47E-12	1.95E-12	4.73E-16	1.14E-14	6.3E-16	1.25202E-14	8.852E-12	1.2037E-08	2.79791E-07	8.38164E-13	1.91101E-15	4.18354E-13	3.17949E-16
383	570430.6	4178399	0.55, 41783	0.16211	0.12032	0.15453	91.32735	33.521	103.76057	14.59534	4.81492	15.65812	3E-09	2.02E-06	3.04E-07	9.26E-13	2.8E-12	2.21E-12	5.34E-16	1.29E-14	7.12E-16	1.41512E-14	1.001E-11	1.3435E-08	3.04154E-07	9.47352E-13	2.15996E-15	4.72854E-13	3.59369E-16
384	570470.6	4178399	0.55, 41783	0.18668	0.14051	0.17655	100.43451	35.89015	115.76296	16.57018	5.22899	18.35818	3.43E-09	2.25E-06	3.57E-07	1.06E-12	3.2E-12	2.52E-12	6.1E-16	1.47E-14	8.14E-16	1.61677E-14	1.143E-11	1.4989E-08	3.56599E-07	1.08235E-12	2.46776E-15	5.40236E-13	4.10579E-16
385	570510.6	4178399	0.55, 41783	0.21834	0.16684	0.20421	112.76596	38.62084	128.93318	18.79433	5.70408	21.48886	3.97E-09	2.5E-06	4.17E-07	1.22E-12	3.7E-12	2.92E-12	7.06E-16	1.71E-14	9.41E-16	1.87008E-14	1.322E-11	1.6694E-08	4.17408E-07	1.25193E-12	2.8544E-15	6.24878E-13	4.74907E-16
386	570550.6	4178399	0.55, 41783	0.26039	0.20212	0.2399	127.75395	41.82578	149.79254	21.29232	6.25899	24.96542	4.66E-09	2.91E-06	4.85E-07	1.44E-12	4.34E-12	3.43E-12	8.29E-16	2E-14	1.11E-15	2.19694E-14	1.553E-11	1.9395E-08	4.84935E-07	1.47074E-12	3.35329E-15	7.34094E-13	5.57911E-16
387	570590.6	4178399	0.55, 41783	0.3185	0.25095	0.28739	144.10526	45.67081	172.10131	24.01754	7.17597	28.68355	5.58E-09	3.34E-06	5.57E-07	1.72E-12	5.2E-12	4.11E-12	9.94E-16	2.4E-14	1.32E-15	2.63186E-14	1.861E-11	2.2283E-08	5.57154E-07	1.7619E-12	4.01713E-15	8.7942E-13	6.68359E-16
388	570630.6	4178399	0.55, 41783	0.40291	0.32135	0.35272	177.65061	50.39519	203.06539	27.05917	8.74903	32.05961	6.85E-09	3.94E-06	6.23E-07	2.11E-12	6.38E-12	5.04E-12	1.22E-15	2.95E-14	1.63E-15	3.23017E-14	2.284E-11	2.6292E-08	6.22733E-07	2.16244E-12	4.93036E-15	1.07934E-12	8.203E-16
389	570670.6	4178399	0.55, 41783	0.53348	0.4284	0.44753	224.79663	56.41372	278.51402	32.60934	10.76331	39.25369	8.69E-09	5.41E-06	7.62E-07	2.68E-12	8.1E-12	6.4E-12	1.55E-15	3.74E-14	2.06E-15	4.09848E-14	2.898E-11	3.606E-08	7.62469E-07	2.74373E-12	6.25571E-15	1.36948E-12	1.04081E-15
390	570710.6	4178399	0.55, 41783	0.75271	0.60288	0.59636	297.96202	70.92072	361.49768	41.13122	14.0152	50.83456	1.16E-08	7.02E-06	9.87E-07	3.57E-12	1.08E-11	8.53E-12	2.06E-15	4.98E-14	2.75E-15	5.46155E-14	3.861E-11	4.6805E-08	9.87412E-07	3.65624E-12	8.33622E-15	1.82495E-12	1.38696E-15
391	570750.6	4178399	0.55, 41783	1.15447	0.90762	0.85203	416.42427	90.04322	551.74774	52.05303	22.1169	68.96847	1.66E-08	1.07E-05	1.34E-06	5.11E-12	1.54E-11	1.22E-11	2.95E-15	7.12E-14	3.93E-15	7.80313E-14	5.517E-11	7.1436E-08	1.33963E-06	5.22382E-12	1.19103E-14	2.60737E-12	1.9816E-15
392	570790.6	4178399	0.55, 41783	1.70092	1.35462	1.23288	632.44551	121.09647	736.15706	79.05569	31.00919	92.01963	2.39E-08	1.43E-05	1.79E-06	7.39E-12	2.23E-11	1.76E-11	4.26E-15	1.03E-13	5.68E-15	1.12912E-13	7.983E-11	9.5313E-08	1.78742E-06	7.55888E-12	1.72343E-14	3.77288E-12	2.86739E-15
393	570830.6	4178399	0.55, 41783	3.46088	2.976	2.05541	854.46592	185.76652	929.26678	157.19416	64.23703	133.05669	3.99E-08	1.8E-05	2.58E-06	1.23E-11	3.72E-11	2.94E-11	7.11E-15	1.72E-13	9.48E-15	1.8826E-13	1.331E-10	1.2032E-07	2.58476E-06	1.26031E-11	2.8735E-14	6.29059E-12	4.78085E-15
394	571110.6	4178399	0.55, 41783	4.7766	17.70794	5.53677	386.44752	237.89657	1139.86397	91.74551	117.26543	182.49582	1.08E-07	2.21E-05	3.54E-06	3.32E-11	1E-10	7.92E-11	1.92E-14	4.63E-13	2.55E-14	5.07333E-13	3.587E-10	1.4758E-07	3.54451E-06	3.39635E-11	7.74367E-14	1.69522E-11	1.28837E-14
395	571150.6	4178399	0.55, 41783	4.75682	9.04164	4.75414	493.27775	194.83019	977.82769	91.47407	80.27894	179.75479	9.24E-08	1.9E-05	3.49E-06	2.85E-11	8.61E-11	6.8E-11	1.64E-14	3.97E-13	2.19E-14	4.35483E-13	3.079E-10	1.266E-07	3.4911E-06	2.91535E-11	6.64699E-14	1.45514E-11	1.10591E-14
396	571190.6	4178399	0.55, 41783	4.13591	5.67532	3.9763	541.83424	159.29594	784.3481	82.25115	55.55038	130.43816	7.72E-08	1.52E-05	2.53E-06	2.38E-11	7.2E-11	5.69E-11	1.37E-14	3.32E-13	1.83E-14	3.6419E-13	2.575E-10	1.0155E-07	2.53351E-06	2.43807E-11	5.55881E-14	1.21692E-11	9.2486E-15
397	571230.6	4178399	0.55, 41783	3.34043	3.91116	3.41587	419.25179	113.41297	723.05548	67.92735	42.50701	103.29364	6.64E-08	1.4E-05	2.01E-06	2.05E-11	6.18E-11	4.88E-11	1.18E-14	2.85E-13	1.57E-14	3.12838E-13	2.212E-10	9.3615E-08	2.0063E-06	2.0943E-11	4.775E-14	1.04533E-11	7.94451E-15
398	571270.6	4178399	0.55, 41783	2.69096	2.84934	2.72459	276.99568	96.24025	620.23738	46.4546	32.10306	94.16047	5.29E-08	1.2E-05	1.83E-06	1.63E-11	4.93E-11	3.9E-11	9.42E-15	2.28E-13	1.26E-14	2.49522E-13	1.764E-10	8.0303E-08	1.82882E-06	1.67043E-11	3.80857E-14	8.33764E-12	6.3366E-15
399	571310.6	4178399	0.55, 41783	2.15304	2.16763	2.23142	240.01182	84.08056	257.12386	39.08125	24.00367	52.53394	4.33E-08	4.99E-06	1.02E-06	1.34E-11	4.04E-11	3.19E-11	7.71E-15	1.86E-13	1.03E-14	2.04353E-13	1.445E-10	3.3292E-08	1.0204E-06	1.36804E-11	3.11914E-14	6.82834E-12	5.18954E-15
400	571350.6	4178399	0.55, 41783	1.74135	1.70512	1.85867	224.12525	73.73672	326.22415	31.06226	18.34101	44.13622	3.61E-08	6.34E-06	8.57E-07	1.11E-11	3.36E-11	2.66E-11	6.43E-15	1.55E-13	8.57E-15	1.70214E-13	1.203E-10	4.2238E-08	8.57278E-07	1.1395E-11	2.59806E-14	5.68761E-12	4.32258E-15
401	571390.6	4178399	0.55, 41783	1.43215	1.37481	1.54866	207.21833	64.01827	312.56807	26.21992	15.02288	39.07101	3.01E-08	6.07E-06	7.59E-07	9.28E-12	2.8E-11	2.21E-11	5.35E-15	1.29E-13	7.14E-15	1.41823E-13	1.003E-10	4.0469E-08	7.58888E-07	9.49434E-12	2.16471E-14	4.73893E-12	3.60159E-15
402	571430.6	4178399	0.55, 41783	1.19016	1.12906	1.29293	179.9524	59.14274	244.73255	22.49405	12.88734	30.59157	2.51E-08	4.75E-06	5.94E-07	7.75E-12	2.34E-11	1.85E-11	4.47E-15	1.08E-13	5.96E-15	1.18403E-13	8.371E-11	3.1687E-08	5.94199E-07	7.92651E-12	1.80724E-14	3.95638E-12	3.00685E-15
403	571470.6	4178399	0.55, 41783	0.9966	0.93995	1.08271	146.8642	55.47011	170.50633	18.35802	11.23121	21.31329	2.1E-08	3.31E-06	4.14E-07	6.49E-12	1.96E-11	1.55E-11	3.74E-15	9.04E-14	4.99E-15	9.91517E-14	7.01E-11	2.2077E-08	4.13996E-07	6.63772E-12	1.5134E-14	3.3131E-12	2.51795E-15
404	571510.6	4178399	0.55, 41783	0.8441	0.79417	0.91453	113.63796	52.27286	111.23462	14.20474	9.85599	18.36688	1.78E-08	2.16E-06	3.57E-07	5.48E-12	1.66E-11	1.31E-11	3.16E-15	7.64E-14	4.22E-15	8.37502E-14	5.921E-11	1.4403E-08	3.56755E-07	5.60666E-12	1.27832E-14	2.79847E-12	2.12683E-15
405	571550.6	4178399	0.55, 41783	0.71988	0.67749	0.77601	84.04695	49.45688	81.90115	12.59546	8.65245	16.41022	1.51E-08	1.59E-06	3.19E-07	4.65E-12	1.4E-11	1.11E-11	2.68E-15	6.48E-14	3.58E-15	7.1065E-14	5.025E-11	1.0605E-08	3.18749E-07	4.75745E-12	1.0847E-14	2.3746E-12	1.80469E-15
406	571590.6	4178399	0.55, 41783	0.61846	0.58359	0.66441	61.25343	46.95039	82.40366	11.31778	7.65227	14.12983	1.29E-08	1.6E-06	2.74E-07	3.98E-12	1.2E-11	9.5E-12	2.3E-15	5.55E-14	3.06E-15	6.0845E-14	4.302E-11	1.067E-08	2.74458E-07	4.07328E-12	9.28707E-15	2.0331E-12	1.54516E-15
407	570310.6	4178439	0.55, 41784	0.11265	0.08111	0.10949	78.47962	27.91467	88.7071	13.07994	3.48933	14.78452	2.13E-09	1.72E-06	2.87E-07	6.56E-13	1.98E-12	1.57E-12	3.79E-16	9.14E-15	5.05E-16	1.00265E-14	7.089E-12	1.1486E-08	2.87181E-07	6.71226E-13	1.5304E-15	3.3503E-13	2.54623E-16
408	570350.6	4178439	0.55, 41784	0.12585	0.09139	0.12175	84.54471	29.62734	96.42477	14.09078	3.70342	16.0708	2.36E-09	1.87E-06	3.12E-07	7.3E-13	2.2E-12	1.74E-12	4.21E-16	1.02E-14	5.61E-16	1.11492E-14	7.883E-12	1.2485E-08	3.12165E-07	7.46387E-13	1.70176E-15	3.72546E-13	2.83135E-16
409	570390.6	4178439	0.55, 41784	0.14252	0.10489	0.13706	91.50908	31.67143	105.54781	15.25151	4.06451	17.5913	2.66E-09	2.05E-06	3.42E-07	8.22E-13	2.48E-12	1.96E-12	4.74E-16	1.14E-14	6.32E-16	1.25513E-14	8.874E-12	1.3666E-08	3.41699E-07	8.40248E-13	1.91577E-15	4.19395E-13	3.1874E-16
410	570430.6	4178439	0.55, 41784	0.16313	0.12204	0.15568	99.54775	33.93845	116.15512	16.59129	4.47421	19.35919	3.02E-09	2.26E-06	3.76E-07	9.33E-13	2.82E-12	2.23E-12	5.38E-16	1.3E-14	7.18E-16	1.42565E-14	1.008E-11	1.5039E-08	3.76038E-07	9.54403E-13	2.17604E-15	4.76373E-13	3.62044E-16
411	570470.6	4178439	0.55, 41784	0.18858	0.14267	0.1783	108.92524	36.54882	128.38607	18.15421	4.93599	21.39768	3.46E-09	2.49E-06	4.16E-07	1.07E-12	3.23E-12	2.55E-12	6.16E-16	1.49E-14	8.22E-16	1.6328E-14	1.154E-11	1.6623E-08	4.15634E-07	1.09308E-12	2.49222E-15	5.45592E-13	4.1465E-16
412	570510.6	4178439	0.55, 41784	0.22167	0.16966	0.20722	120.34611	39.98702	143.34164	20.05769	5.68986	23.89027	4.03E-09	2.78E-06	4.64E-07	1.24E-12	3.75E-12	2.96E-12	7.16E-16	1.73E-14	9.55E-16	1.89765E-14	1.342E-11	1.8559E-08	4.64049E-07	1.27038E-12	2.89647E-15	6.34089E-13	4.81908E-16
413	570550.6	4178439	0.55, 41784	0.2658	0.20594	0.24496	134.27176	44.24032	161.13607	22.37863	6.83821	26.85601	4.76E-09	3.13E-06	5.22E-07	1.47E-12	4.43E-12	3.5E-12	8.47E-16	2.05E-14	1.13E-15	2.24327E-14	1.586E-11	2.0863E-08	5.21655E-07	1.50176E-12	3.42401E-15	7.49577E-13	5.69678E-16
414	570590.6	4178439	0.55, 41784	0.3272	0.25654	0.29583	151.91315	49.32778	182.29969	25.31886	8.30482	30.38328	5.75E-09	3.54E-06	5.9E-07	1.77E-12	5.35E-12	4.23E-12	1.02E-15	2.47E-14	1.36E-15	2.70914E-14	1.915E-11	2.3604E-08	5.9017E-07	1.81364E-12	4.1351E-15	9.05245E-13	6.87986E-16
415	570630.6	4178439	0.55, 41784	0.41735	0.33056	0.3671	175.42083	55.6235	213.97884	29.2368	10.21264	34.63299	7.13E-09	4.16E-06	6.73E-07	2.2E-12	6.64E-12	5.25E-12	1.27E-15	3.07E-14	1.69E-15	3.36185E-14	2.377E-11	2.7705E-08	6.72719E-07	2.25059E-12	5.13135E-15	1.12334E-12	8.53741E-16
416	570670.6	4178439	0.55, 41784	0.56024	0.44648	0.47194	208.37177	63.80907	268.23017	34.72863	12.75328	41.38807	9.17E-09	5.21E-06	8.04E-07	2.83E-12	8.54E-12	6.75E-12	1.63E-15	3.94E-14	2.18E-15	4.32201E-14	3.056E-11	3.4729E-08	8.0393E-07	2.89338E-12	6.5969E-15	1.44418E-12	1.09757E-15
417	570710.6	4178439	0.55, 41784	0.81434	0.64609	0.63688	258.28683	75.2647	339.8113	43.04781	16.40047	56.02404	1.24E-08	6.6E-06	1.09E-06	3.82E-12	1.15E-11	9.11E-12	2.2E-15	5.32E-14	2.94E-15	5.83264E-14	4.124E-11	4.3997E-08	1.0882E-06	3.90467E-12	8.90264E-15	1.94894E-12	1.4812E-15
418	570750.6	4178439	0.55, 41784	1.35572	1.03003	0.91926	343.9155	93.10334	457.76974	57.16949	22.25077	76.29496	1.79E-08	8.89E-06	1.48E-06	5.51E-12	1.66E-11	1.31E-11	3.18E-15	7.68E-14	4.24E-15	8.41899E-14	5.952E-11	5.9269E-08	1.48193E-06	5.6361E-12	1.28503E-14	2.81316E-12	2.138E-15
419	570790.6	4178439	0.55, 41784	3.18264	2.0617	1.49283	571.47263	129.70009	738.76969	95.66015	38.79176	110.20608	2.9E-08	1.43E-05	2.14E-06	8.95E-12	2.7E-11	2.13E-11	5.16E-15	1.25E-13	6.88E-15	1.36731E-13	9.667E-11	9.5651E-08	2.14068E-06	9.15349E-12	2.08699E-14	4.5688E-12	3.47229E-15
420	571070.6	4178439	0.55, 41784	4.74443	12.25677	5.33307	251.71558	235.3671	557.08631	48.15254	87.29167	78.37734	1.04E-07	1.08E-05	1.52E-06	3.2E-11	9.66E-11	7.63E-11	1.84E-14	4.46E-13	2.46E-14	4.88556E-13	3.454E-10	7.2131E-08	1.52232E-06	3.27064E-11	7.45707E-14	1.63248E-11	1.24069E-14
421	571110.6	4178439	0.55, 41784	3.89854	10.39914	4.234	292.37938	213.76959	730.76501	54.55193	96.69541	95.26587	8.23E-08	1.42E-05	1.85E-06	2.54E-11	7.67E-11	6.06E-11	1.46E-14	3.54E-13	1.95E-14	3.8789E-13	2.742E-10	9.4616E-08	1.85033E-06	2.59673E-11	5.92055E-14	1.29611E-11	9.85046E-15
422	571150.6	4178439	0.55, 41784	3.24566	6.14355	3.38328	299.25996	151.74182	537.6659	53.26943	58.88405	104.89405	6.57E-08	1.04E-05	2.04E-06	2.03E-11	6.12E-11	4.84E-11	1.17E-14	2.83E-13	1.56E-14	3.09904E-13	2.191E-10	6.9615E-08	2.0373E-06	2.07466E-11	4.73022E-14	1.03553E-11	7.87001E-15
423	571190.6	4178439	0.55, 41784	2.68652	4.20662	2.81661	319.22111	114.25705	663.08885	45.60302	42.68486	97.00809	5.47E-08	1.29E-05	1.88E-06	1.69E-11	5.1E-11	4.03E-11	9.74E-15	2.35E-13	1.3E-14	2.57978E-13	1.824E-10	8.5851E-08	1.88411E-06	1.72703E-11	3.93764E-14	8.62017E-12	6.55133E-15
424	571230.6	4178439	0.55, 41784	2.2851	3.10379	2.38014	355.31137	114.374	594.35462	48.25343	33.87475	78.4876	4.62E-08	1.15E-05	1.52E-06	1.43E-11	4.31E-11	3.4E-11	8.23E-15	1.99E-13	1.1E-14	2.1799E-13	1.541E-10	7.6953E-08	1.52446E-06	1.45934E-11	3.32729E-14	7.28403E-12	5.53586E-15
425	571270.6	4178439	0.55, 41784	1.91581	2.39067	2.08735	281.61312	92.35093	457.23387	43.32371	28.45229	65.31912	4.05E-08	8.88E-06	1.27E-06	1.25E-11	3.78E-11	2.98E-11	7.22E-15	1.74E-13	9.62E-15	1.91167E-13	1.352E-10	5.92E-08	1.26871E-06	1.27977E-11	2.91787E-14	6.38773E-12	4.85468E-15
426	571310.6	4178439	0.55, 41784	1.62017	1.88774	1.73959	249.98498	75.512	443.82502	38.72011	23.46838	65.04063	3.38E-08	8.62E-06	1.26E-06	1.04E-11	3.15E-11	2.49E-11	6.01E-15	1.45E-13	8.02E-15	1.59316E-13	1.126E-10	5.7463E-08	1.26328E-06	1.06654E-11	2.43171E-14	5.32344E-12	4.04581E-15
427	571350.6	4178439	0.55, 41784	1.36969	1.52492	1.4607	207.90528	71.02603	289.54604	31.99215	18.96422	43.80183	2.84E-08	5.62E-06	8.51E-07	8.76E-12	2.64E-11	2.09E-11	5.05E-15	1.22E-13	6.73E-15	1.33773E-13	9.458E-11	3.7489E-08	8.5079E-07	8.95543E-12	2.04184E-14	4.46994E-12	3.39716E-15
428	571390.6	4178439	0.55, 41784	1.16602	1.25794	1.25769	137.82846	66.02867	157.99714	21.56098	15.29437	27.7078	2.44E-08	3.07E-06	5.38E-07	7.54E-12	2.28E-11	1.8E-11	4.35E-15	1.05E-13	5.8E-15	1.1518E-13	8.144E-11	2.0458E-08	5.38193E-07	7.71071E-12	1.75804E-14	3.84866E-12	2.92498E-15
429	571430.6	4178439	0.55, 41784	1.00225	1.05165	1.08939	150.81052	60.59063	188.78292	19.07395	12.70811	25.02004	2.12E-08	3.67E-06	4.86E-07	6.53E-12	1.97E-11	1.56E-11	3.77E-15	9.1E-14	5.02E-15	9.97658E-14	7.054E-11	2.4443E-08	4.85984E-07	6.67883E-12	1.52277E-14	3.33362E-12	2.53355E-15
430	571470.6	4178439	0.55, 41784	0.86528	0.88825	0.94207	153.64691	54.59461	206.40776	19.20586	10.6849	25.80097	1.83E-08	4.01E-06	5.01E-07	5.65E-12	1.71E-11	1.35E-11	3.26E-15	7.87E-14	4.34E-15	8.62738E-14	6.1E-11	2.6725E-08	5.0115E-07	5.77561E-12	1.31684E-14	2.88279E-12	2.19092E-15
431	571510.6	4178439	0.55, 41784	0.75493	0.76151	0.82291	144.52703	49.13224	189.90829	18.06588	9.74189	23.73854	1.6E-08	3.69E-06	4.61E-07	4.93E-12	1.49E-11	1.18E-11	2.85E-15	6.87E-14	3.79E-15	7.53609E-14	5.328E-11	2.4589E-08	4.61092E-07	5.04504E-12	1.15027E-14	2.51814E-12	1.91379E-15
432	571550.6	4178439	0.55, 41784	0.65913	0.65716	0.71761	127.58758	46.59598	156.05984	15.94845	8.8858	19.50748	1.39E-08	3.03E-06	3.79E-07	4.3E-12	1.3E-11	1.03E-11	2.48E-15	5.99E-14	3.31E-15	6.57176E-14	4.646E-11	2.0206E-08	3.78915E-07	4.39947E-12	1.00308E-14	2.19591E-12	1.6689E-15
433	571590.6	4178439	0.55, 41784	0.57626	0.57045	0.62441	106.82976	44.35137	118.44703	13.35372	8.08009	14.80588	1.21E-08	2.3E-06	2.88E-07	3.74E-12	1.13E-11	8.93E-12	2.16E-15	5.21E-14	2.88E-15	5.71824E-14	4.043E-11	1.5337E-08	2.87597E-07	3.82808E-12	8.72803E-15	1.91072E-12	1.45215E-15
434	570310.6	4178479	0.55, 41784	0.1113	0.08183	0.10709	74.58423	29.47815	84.27127	11.80727	4.00274	12.56763	2.08E-09	1.64E-06	2.44E-07	6.42E-13	1.94E-12	1.53E-12	3.7E-16	8.94E-15	4.94E-16	9.80679E-15	6.934E-12	1.0911E-08	2.44123E-07	6.56517E-13	1.49686E-15	3.27688E-13	2.49043E-16
435	570350.6	4178479	0.55, 41784	0.12561	0.09388	0.12027	80.0812	31.76761	91.05741	12.83362	4.33491	13.82729	2.34E-09	1.77E-06	2.69E-07	7.21E-13	2.18E-12	1.72E-12	4.16E-16	1E-14	5.54E-16	1.10138E-14	7.787E-12	1.179E-08	2.6859E-07	7.3732E-13	1.68109E-15	3.6802E-13	2.79695E-16
436	570390.6	4178479	0.55, 41784	0.14146	0.10678	0.13471	86.10528	34.01158	98.86723	14.01299	4.67053	15.28263	2.62E-09	1.92E-06	2.97E-07	8.07E-13	2.44E-12	1.93E-12	4.66E-16	1.12E-14	6.21E-16	1.23362E-14	8.722E-12	1.2801E-08	2.96859E-07	8.25848E-13	1.88293E-15	4.12207E-13	3.13277E-16
437	570430.6	4178479	0.55, 41784	0.16075	0.12266	0.15218	93.00088	36.36689	108.11431	15.32204	5.02469	17.00047	2.96E-09	2.1E-06	3.3E-07	9.12E-13	2.75E-12	2.18E-12	5.26E-16	1.27E-14	7.02E-16	1.39361E-14	9.853E-12	1.3998E-08	3.30226E-07	9.32952E-13	2.12713E-15	4.65666E-13	3.53906E-16
438	570470.6	4178479	0.55, 41784	0.18644	0.14379	0.17515	101.96042	39.51551	120.09702	16.93263	5.48718	19.18544	3.4E-09	2.33E-06	3.73E-07	1.05E-12	3.17E-12	2.5E-12	6.06E-16	1.46E-14	8.07E-16	1.60396E-14	1.134E-11	1.555E-08	3.72666E-07	1.07378E-12	2.44821E-15	5.35956E-13	4.07326E-16
439	570510.6	4178479	0.55, 41784	0.22079	0.17209	0.20548	113.44919	43.50567	135.70428	18.9082	6.17272	22.02345	3.99E-09	2.64E-06	4.28E-07	1.23E-12	3.72E-12	2.94E-12	7.1E-16	1.72E-14	9.47E-16	1.88172E-14	1.33E-11	1.7571E-08	4.2779E-07	1.25972E-12	2.87217E-15	6.28768E-13	4.77863E-16
440	570550.6	4178479	0.55, 41784	0.2667	0.21004	0.24533	127.7059	48.20733	155.63974	21.28432	7.34053	25.62853	4.77E-09	3.02E-06	4.98E-07	1.47E-12	4.44E-12	3.51E-12	8.48E-16	2.05E-14	1.13E-15	2.24667E-14	1.588E-11	2.0152E-08	4.97812E-07	1.50404E-12	3.4292E-15	7.50712E-13	5.70541E-16
441	570590.6	4178479	0.55, 41784	0.32931	0.26248	0.29831	144.67878	53.44745	182.17951	24.11313	8.81975	30.24215	5.79E-09	3.54E-06	5.87E-07	1.79E-12	5.4E-12	4.26E-12	1.03E-15	2.49E-14	1.38E-15	2.73186E-14	1.932E-11	2.3588E-08	5.87422E-07	1.82885E-12	4.16978E-15	9.12837E-13	6.93756E-16
442	570630.6	4178479	0.55, 41784	0.42133	0.33962	0.37314	165.95931	60.05375	219.0797	27.65989	10.77683	36.51328	7.25E-09	4.25E-06	7.09E-07	2.24E-12	6.75E-12	5.33E-12	1.29E-15	3.12E-14	1.72E-15	3.41717E-14	2.416E-11	2.8366E-08	7.09225E-07	2.28763E-12	5.21579E-15	1.14183E-12	8.67789E-16
443	570670.6	4178479	0.55, 41784	0.56746	0.46145	0.48445	193.36004	69.0612	272.47405	32.22667	13.5092	45.41234	9.41E-09	5.29E-06	8.82E-07	2.9E-12	8.77E-12	6.93E-12	1.67E-15	4.05E-14	2.23E-15	4.43659E-14	3.137E-11	3.5279E-08	8.82067E-07	2.97008E-12	6.77177E-15	1.48246E-12	1.12667E-15
444	570710.6	4178479	0.55, 41784	0.83023	0.67528	0.66195	236.53606	81.84268	352.22256	39.07222	17.68943	58.70376	1.29E-08	6.84E-06	1.14E-06	3.97E-12	1.2E-11	9.46E-12	2.29E-15	5.53E-14	3.05E-15	6.06224E-14	4.286E-11	4.5604E-08	1.14022E-06	4.05837E-12	9.25309E-15	2.02566E-12	1.5395E-15
445	570750.6	4178479	0.55, 41784	1.42426	1.12918	0.97629	342.03514	102.90165	482.1747	49.67165	25.1054	80.36245	1.9E-08	9.36E-06	1.56E-06	5.85E-12	1.77E-11	1.4E-11	3.38E-15	8.15E-14	4.5E-15	8.94137E-14	6.322E-11	6.2429E-08	1.56088E-06	5.98581E-12	1.36476E-14	2.98771E-12	2.27066E-15
446	570790.6	4178479	0.55, 41784	3.63047	2.75084	1.62936	596.75244	187.47347	722.34167	107.7468	51.23422	120.39028	3.17E-08	1.4E-05	2.34E-06	9.77E-12	2.95E-11	2.33E-11	5.63E-15	1.36E-13	7.51E-15	1.49248E-13	1.055E-10	9.3526E-08	2.33852E-06	9.99142E-12	2.27804E-14	4.98704E-12	3.79015E-15
447	571030.6	4178479	0.55, 41784	9.40071	15.68167	11.18665	333.68631	267.08575	756.18793	81.11776	110.69164	178.64972	2.17E-07	1.47E-05	3.47E-06	6.71E-11	2.02E-10	1.6E-10	3.87E-14	9.34E-13	5.16E-14	1.02458E-12	7.244E-10	9.7909E-08	3.46976E-06	6.85903E-11	1.56386E-13	3.42356E-11	2.60191E-14
448	571070.6	4178479	0.55, 41784	5.59712	9.0131	6.53916	216.22006	204.77885	522.16381	54.58514	76.29745	101.00005	1.27E-07	1.01E-05	1.96E-06	3.92E-11	1.18E-10	9.35E-11	2.26E-14	5.46E-13	3.01E-14	5.98913E-13	4.234E-10	6.7609E-08	1.96168E-06	4.00943E-11	9.1415E-14	2.00123E-11	1.52094E-14
449	571110.6	4178479	0.55, 41784	3.86033	5.8724	4.45436	232.77263	158.88759	526.3096	40.87392	60.11848	68.10823	8.65E-08	1.02E-05	1.32E-06	2.67E-11	8.06E-11	6.37E-11	1.54E-14	3.72E-13	2.05E-14	4.07963E-13	2.884E-10	6.8144E-08	1.32286E-06	2.73111E-11	6.22693E-14	1.36319E-11	1.03602E-14
450	571150.6	4178479	0.55, 41784	2.87873	4.17215	3.24074	243.47288	131.88403	510.79766	36.94401	47.80365	68.59206	6.3E-08	9.92E-06	1.33E-06	1.94E-11	5.87E-11	4.63E-11	1.12E-14	2.71E-13	1.49E-14	2.96809E-13	2.099E-10	6.6135E-08	1.33224E-06	1.98699E-11	4.53033E-14	9.91769E-12	7.53745E-15
451	571190.6	4178479	0.55, 41784	2.25924	3.11768	2.54212	272.99859	103.34976	495.79992	40.61499	35.56429	82.63332	4.94E-08	9.63E-06	1.6E-06	1.52E-11	4.6E-11	3.63E-11	8.79E-15	2.12E-13	1.17E-14	2.32821E-13	1.646E-10	6.4193E-08	1.60493E-06	1.55862E-11	3.55366E-14	7.77958E-12	5.91248E-15
452	571230.6	4178479	0.55, 41784	1.86428	2.43731	2.04705	228.60917	88.43023	428.91859	34.9281	28.65964	53.61482	3.98E-08	8.33E-06	1.04E-06	1.23E-11	3.71E-11	2.93E-11	7.08E-15	1.71E-13	9.44E-15	1.87478E-13	1.326E-10	5.5533E-08	1.04137E-06	1.25507E-11	2.86157E-14	6.26448E-12	4.761E-15
453	571270.6	4178479	0.55, 41784	1.58233	1.95726	1.72288	275.18297	89.4878	451.79055	39.56066	24.38596	62.99097	3.35E-08	8.77E-06	1.22E-06	1.03E-11	3.12E-11	2.46E-11	5.96E-15	1.44E-13	7.94E-15	1.57787E-13	1.116E-10	5.8495E-08	1.22348E-06	1.05631E-11	2.40838E-14	5.27237E-12	4.007E-15
454	571310.6	4178479	0.55, 41784	1.35793	1.6065	1.5101	222.77943	77.47813	328.49847	32.82803	21.05024	46.46168	2.93E-08	6.38E-06	9.02E-07	9.05E-12	2.73E-11	2.16E-11	5.22E-15	1.26E-13	6.96E-15	1.38297E-13	9.778E-11	4.2532E-08	9.02448E-07	9.25834E-12	2.1109E-14	4.62113E-12	3.51206E-15
455	571350.6	4178479	0.55, 41784	1.1642	1.33076	1.27594	210.30644	64.61424	297.95893	30.9494	18.13628	42.55235	2.48E-08	5.79E-06	8.27E-07	7.65E-12	2.31E-11	1.82E-11	4.41E-15	1.07E-13	5.88E-15	1.16852E-13	8.262E-11	3.8578E-08	8.2652E-07	7.82268E-12	1.78357E-14	3.90455E-12	2.96746E-15
456	571390.6	4178479	0.55, 41784	1.001	1.11694	1.07653	187.8278	60.73144	278.37154	27.7002	15.35336	39.86006	2.09E-08	5.41E-06	7.74E-07	6.45E-12	1.95E-11	1.54E-11	3.72E-15	8.99E-14	4.96E-15	9.85899E-14	6.971E-11	3.6042E-08	7.74219E-07	6.60011E-12	1.50482E-14	3.29432E-12	2.50369E-15
457	571430.6	4178479	0.55, 41784	0.8626	0.94616	0.9271	141.00765	57.76687	153.44465	20.99683	12.7525	23.01436	1.8E-08	2.98E-06	4.47E-07	5.56E-12	1.68E-11	1.33E-11	3.21E-15	7.74E-14	4.27E-15	8.49045E-14	6.003E-11	1.9868E-08	4.47044E-07	5.68394E-12	1.29594E-14	2.83704E-12	2.15615E-15
458	571470.6	4178479	0.55, 41784	0.75511	0.81334	0.81471	85.41876	54.87579	110.14274	13.60469	11.10539	17.11986	1.58E-08	2.14E-06	3.33E-07	4.88E-12	1.47E-11	1.16E-11	2.82E-15	6.8E-14	3.76E-15	7.46113E-14	5.275E-11	1.4262E-08	3.32535E-07	4.99486E-12	1.13883E-14	2.4931E-12	1.89475E-15
459	571510.6	4178479	0.55, 41784	0.666	0.70453	0.71826	104.54177	51.61661	121.24791	13.06772	9.4895	15.99878	1.4E-08	2.35E-06	3.11E-07	4.31E-12	1.3E-11	1.03E-11	2.48E-15	6E-14	3.31E-15	6.57781E-14	4.651E-11	1.5699E-08	3.10761E-07	4.40352E-12	1.004E-14	2.19794E-12	1.67043E-15
460	571550.6	4178479	0.55, 41784	0.58993	0.61436	0.63446	114.23468	47.78612	141.81512	14.27934	8.47335	17.72689	1.23E-08	2.75E-06	3.44E-07	3.8E-12	1.15E-11	9.07E-12	2.19E-15	5.3E-14	2.92E-15	5.81036E-14	4.108E-11	1.8362E-08	3.44327E-07	3.88975E-12	8.86863E-15	1.9415E-12	1.47554E-15
461	571590.6	4178479	0.55, 41784	0.5248	0.5396	0.56365	114.71837	43.31659	143.69009	14.3398	7.89274	17.96126	1.09E-08	2.79E-06	3.49E-07	3.38E-12	1.02E-11	8.06E-12	1.95E-15	4.71E-14	2.6E-15	5.16187E-14	3.65E-11	1.8605E-08	3.48879E-07	3.45562E-12	7.87881E-15	1.72481E-12	1.31086E-15
462	570310.6	4178519	0.55, 41785	0.10968	0.08323	0.10459	75.92481	30.95134	85.20389	12.65413	4.31611	14.20065	2.03E-09	1.65E-06	2.76E-07	6.27E-13	1.89E-12	1.5E-12	3.62E-16	8.73E-15	4.82E-16	9.57793E-15	6.772E-12	1.1032E-08	2.7584E-07	6.41196E-13	1.46193E-15	3.20041E-13	2.43231E-16
463	570350.6	4178519	0.55, 41785	0.12253	0.09413	0.11632	80.98331	32.52203	91.70345	13.49722	4.56123	15.28391	2.26E-09	1.78E-06	2.97E-07	6.97E-13	2.11E-12	1.66E-12	4.02E-16	9.71E-15	5.36E-16	1.06522E-14	7.531E-12	1.1874E-08	2.96881E-07	7.1311E-13	1.62589E-15	3.55936E-13	2.70511E-16
464	570390.6	4178519	0.55, 41785	0.13706	0.10653	0.12954	86.4192	34.09518	99.00991	14.4032	4.78567	16.50165	2.52E-09	1.92E-06	3.21E-07	7.76E-13	2.34E-12	1.85E-12	4.48E-16	1.08E-14	5.97E-16	1.18628E-14	8.387E-12	1.282E-08	3.20534E-07	7.94159E-13	1.81068E-15	3.9639E-13	3.01256E-16
465	570430.6	4178519	0.55, 41785	0.15657	0.12308	0.14711	93.48729	36.56809	108.68156	15.58121	5.11226	18.11359	2.86E-09	2.11E-06	3.52E-07	8.82E-13	2.66E-12	2.1E-12	5.09E-16	1.23E-14	6.78E-16	1.34719E-14	9.525E-12	1.4072E-08	3.51844E-07	9.01877E-13	2.05628E-15	4.50155E-13	3.42118E-16
466	570470.6	4178519	0.55, 41785	0.18113	0.14422	0.16907	101.65142	39.2669	120.52836	16.9419	5.47129	20.08806	3.28E-09	2.34E-06	3.9E-07	1.01E-12	3.06E-12	2.42E-12	5.85E-16	1.41E-14	7.79E-16	1.5483E-14	1.095E-11	1.5606E-08	3.90195E-07	1.03651E-12	2.36324E-15	5.17355E-13	3.9319E-16
467	570510.6	4178519	0.55, 41785	0.21556	0.17373	0.19928	112.42418	43.21366	137.68321	18.73736	6.23491	22.9472	3.87E-09	2.67E-06	4.46E-07	1.19E-12	3.61E-12	2.85E-12	6.89E-16	1.66E-14	9.19E-16	1.82496E-14	1.29E-11	1.7827E-08	4.45728E-07	1.22172E-12	2.78553E-15	6.09801E-13	4.63449E-16
468	570550.6	4178519	0.55, 41785	0.26244	0.21401	0.23948	127.39838	48.06291	159.66591	20.89373	7.26318	26.61098	4.65E-09	3.1E-06	5.17E-07	1.44E-12	4.33E-12	3.42E-12	8.28E-16	2E-14	1.1E-15	2.19312E-14	1.551E-11	2.0673E-08	5.16889E-07	1.46818E-12	3.34746E-15	7.32818E-13	5.56942E-16
469	570590.6	4178519	0.55, 41785	0.32438	0.26815	0.29055	146.74921	52.55391	186.84388	23.05175	8.49659	31.14065	5.64E-09	3.63E-06	6.05E-07	1.74E-12	5.26E-12	4.15E-12	1E-15	2.43E-14	1.34E-15	2.66083E-14	1.881E-11	2.4192E-08	6.04865E-07	1.78129E-12	4.06135E-15	8.89101E-13	6.75717E-16
470	570630.6	4178519	0.55, 41785	0.41604	0.34788	0.36203	170.82398	60.03664	221.85088	25.41079	10.076	36.97515	7.03E-09	4.31E-06	7.18E-07	2.17E-12	6.55E-12	5.18E-12	1.25E-15	3.02E-14	1.67E-15	3.31547E-14	2.344E-11	2.8724E-08	7.18182E-07	2.21954E-12	5.06056E-15	1.10785E-12	8.41963E-16
471	570670.6	4178519	0.55, 41785	0.56352	0.47347	0.46761	210.6175	71.54419	266.74609	27.95974	12.2085	44.45768	9.08E-09	5.18E-06	8.64E-07	2.8E-12	8.46E-12	6.69E-12	1.62E-15	3.91E-14	2.16E-15	4.28243E-14	3.028E-11	3.4537E-08	8.63505E-07	2.86688E-12	6.53648E-15	1.43095E-12	1.08752E-15
472	570710.6	4178519	0.55, 41785	0.82936	0.69158	0.6351	257.30872	94.91316	337.8148	32.16359	16.3308	53.60133	1.23E-08	6.56E-06	1.04E-06	3.81E-12	1.15E-11	9.08E-12	2.2E-15	5.3E-14	2.93E-15	5.81645E-14	4.112E-11	4.3739E-08	1.04109E-06	3.89383E-12	8.87793E-15	1.94353E-12	1.47709E-15
473	570750.6	4178519	0.55, 41785	1.36529	1.13262	0.93188	327.60111	130.96882	473.41526	45.80096	29.91109	62.68561	1.81E-08	9.19E-06	1.22E-06	5.59E-12	1.69E-11	1.33E-11	3.22E-15	7.78E-14	4.3E-15	8.53477E-14	6.034E-11	6.1296E-08	1.21758E-06	5.71361E-12	1.3027E-14	2.85184E-12	2.1674E-15
474	570790.6	4178519	0.55, 41785	2.09469	1.90095	1.39228	339.24086	174.34023	730.67406	59.4987	49.70987	91.33426	2.7E-08	1.42E-05	1.77E-06	8.35E-12	2.52E-11	1.99E-11	4.81E-15	1.16E-13	6.42E-15	1.27519E-13	9.016E-11	9.4603E-08	1.774E-06	8.53677E-12	1.94638E-14	4.26097E-12	3.23834E-15
475	570990.6	4178519	0.55, 41785	30.9381	16.28557	11.79039	1645.60932	278.46944	1244.70182	444.29015	131.46412	279.7997	2.29E-07	2.42E-05	5.44E-06	7.07E-11	2.13E-10	1.69E-10	4.08E-14	9.85E-13	5.44E-14	1.07992E-12	7.635E-10	1.6116E-07	5.436E-06	7.22953E-11	1.64833E-13	3.60849E-11	2.74245E-14
476	571030.6	4178519	0.55, 41785	10.39533	8.05295	7.62595	575.07494	188.36146	999.69988	130.51861	75.45666	173.23921	1.48E-07	1.94E-05	3.36E-06	4.57E-11	1.38E-10	1.09E-10	2.64E-14	6.37E-13	3.52E-14	6.98405E-13	4.938E-10	1.2943E-07	3.36495E-06	4.67548E-11	1.06601E-13	2.33368E-11	1.7736E-14
477	571070.6	4178519	0.55, 41785	5.62777	5.38206	5.21191	327.13066	151.27996	542.64793	61.45445	56.79768	91.26612	1.01E-07	1.05E-05	1.77E-06	3.12E-11	9.43E-11	7.45E-11	1.8E-14	4.35E-13	2.4E-14	4.77314E-13	3.375E-10	7.026E-08	1.77269E-06	3.19538E-11	7.28548E-14	1.59492E-11	1.21214E-14
478	571110.6	4178519	0.55, 41785	3.70135	3.92679	3.70614	194.51307	130.68512	402.95521	41.68788	44.49195	69.09918	7.2E-08	7.83E-06	1.34E-06	2.22E-11	6.71E-11	5.3E-11	1.28E-14	3.1E-13	1.71E-14	3.39415E-13	2.4E-10	5.2173E-08	1.34211E-06	2.27222E-11	5.18066E-14	1.13414E-11	8.61944E-15
479	571150.6	4178519	0.55, 41785	2.69329	3.00723	2.77155	208.02281	103.35418	440.08145	30.40761	37.50867	55.01018	5.38E-08	8.55E-06	1.07E-06	1.66E-11	5.02E-11	3.96E-11	9.58E-15	2.31E-13	1.28E-14	2.53825E-13	1.795E-10	5.6979E-08	1.06844E-06	1.69923E-11	3.87425E-14	8.48142E-12	6.44588E-15
480	571190.6	4178519	0.55, 41785	2.08526	2.38411	2.19601	205.94825	100.14217	330.97092	32.90062	31.32752	44.74048	4.27E-08	6.43E-06	8.69E-07	1.32E-11	3.97E-11	3.14E-11	7.59E-15	1.83E-13	1.01E-14	2.01116E-13	1.422E-10	4.2853E-08	8.69023E-07	1.34637E-11	3.06972E-14	6.72016E-12	5.10733E-15
481	571230.6	4178519	0.55, 41785	1.66362	1.91731	1.76389	215.41751	83.66277	360.55042	30.77393	25.17962	52.13444	3.43E-08	7E-06	1.01E-06	1.06E-11	3.19E-11	2.52E-11	6.1E-15	1.47E-13	8.13E-15	1.61541E-13	1.142E-10	4.6682E-08	1.0126E-06	1.08144E-11	2.46568E-14	5.3978E-12	4.10233E-15
482	571270.6	4178519	0.55, 41785	1.38104	1.58176	1.44385	194.90891	74.63088	227.07234	31.16799	21.56574	34.54332	2.8E-08	4.41E-06	6.71E-07	8.65E-12	2.61E-11	2.06E-11	4.99E-15	1.21E-13	6.66E-15	1.32231E-13	9.349E-11	2.9401E-08	6.70988E-07	8.85225E-12	2.01831E-14	4.41844E-12	3.35801E-15
483	571310.6	4178519	0.55, 41785	1.18628	1.33473	1.24995	227.7435	74.01926	353.91479	34.0231	18.88588	51.12416	2.43E-08	6.87E-06	9.93E-07	7.49E-12	2.26E-11	1.79E-11	4.32E-15	1.04E-13	5.76E-15	1.14473E-13	8.094E-11	4.5823E-08	9.92998E-07	7.66339E-12	1.74725E-14	3.82504E-12	2.90703E-15
484	571350.6	4178519	0.55, 41785	1.02794	1.1349	1.10387	186.21806	66.32591	255.87469	28.09378	16.3212	37.6065	2.14E-08	4.97E-06	7.3E-07	6.62E-12	2E-11	1.58E-11	3.82E-15	9.22E-14	5.09E-15	1.01093E-13	7.148E-11	3.313E-08	7.30457E-07	6.76771E-12	1.54304E-14	3.37798E-12	2.56727E-15
485	571390.6	4178519	0.55, 41785	0.88898	0.96986	0.94947	165.64096	58.31983	230.86073	23.55305	14.40747	29.95608	1.84E-08	4.48E-06	5.82E-07	5.69E-12	1.72E-11	1.36E-11	3.28E-15	7.93E-14	4.38E-15	8.69532E-14	6.148E-11	2.9891E-08	5.81864E-07	5.82109E-12	1.32721E-14	2.90549E-12	2.20817E-15
486	571430.6	4178519	0.55, 41785	0.7696	0.83467	0.8102	166.81635	54.79876	235.11797	23.72844	12.50769	32.6638	1.57E-08	4.57E-06	6.34E-07	4.86E-12	1.47E-11	1.16E-11	2.8E-15	6.77E-14	3.74E-15	7.4199E-14	5.246E-11	3.0442E-08	6.34448E-07	4.96726E-12	1.13253E-14	2.47932E-12	1.88428E-15
487	571470.6	4178519	0.55, 41785	0.67066	0.72494	0.7032	138.40145	51.97552	171.46902	19.82816	10.73341	24.30543	1.37E-08	3.33E-06	4.72E-07	4.22E-12	1.27E-11	1.01E-11	2.43E-15	5.87E-14	3.24E-15	6.43998E-14	4.553E-11	2.2201E-08	4.7211E-07	4.31125E-12	9.82965E-15	2.15188E-12	1.63543E-15
488	571510.6	4178519	0.55, 41785	0.58987	0.63439	0.62004	93.94363	49.66848	89.41667	13.736	9.50533	13.29785	1.2E-08	1.74E-06	2.58E-07	3.72E-12	1.12E-11	8.86E-12	2.14E-15	5.18E-14	2.86E-15	5.67838E-14	4.015E-11	1.1578E-08	2.58314E-07	3.8014E-12	8.66719E-15	1.8974E-12	1.44202E-15
489	571550.6	4178519	0.55, 41785	0.52422	0.55926	0.55249	64.7066	47.53612	82.72316	9.81761	8.44297	11.85775	1.07E-08	1.61E-06	2.3E-07	3.31E-12	1E-11	7.9E-12	1.91E-15	4.61E-14	2.55E-15	5.05974E-14	3.577E-11	1.0711E-08	2.30326E-07	3.38725E-12	7.72292E-15	1.69068E-12	1.28492E-15
490	571590.6	4178519	0.55, 41785	0.47148	0.49721	0.49682	75.39988	45.27823	83.60413	9.54319	7.49343	11.2302	9.65E-09	1.62E-06	2.18E-07	2.98E-12	8.99E-12	7.1E-12	1.72E-15	4.15E-14	2.29E-15	4.5499E-14	3.217E-11	1.0826E-08	2.18138E-07	3.04593E-12	6.94473E-15	1.52032E-12	1.15544E-15
491	570310.6	4178559	0.55, 41785	0.10731	0.08405	0.10201	76.80272	30.54078	89.48595	12.80045	4.19275	14.91432	1.98E-09	1.74E-06	2.9E-07	6.11E-13	1.85E-12	1.46E-12	3.53E-16	8.52E-15	4.7E-16	9.34173E-15	6.605E-12	1.1587E-08	2.897E-07	6.25383E-13	1.42587E-15	3.12149E-13	2.37233E-16
492	570350.6	4178559	0.55, 41785	0.11907	0.09438	0.11262	82.9813	31.5625	94.82328	13.39224	4.31782	15.80388	2.19E-09	1.84E-06	3.07E-07	6.75E-13	2.04E-12	1.61E-12	3.89E-16	9.4E-15	5.19E-16	1.03134E-14	7.292E-12	1.2278E-08	3.06978E-07	6.90431E-13	1.57418E-15	3.44616E-13	2.61908E-16
493	570390.6	4178559	0.55, 41785	0.1339	0.10748	0.12591	90.55746	32.83588	101.05325	14.07263	4.47793	16.84221	2.45E-09	1.96E-06	3.27E-07	7.55E-13	2.28E-12	1.8E-12	4.35E-16	1.05E-14	5.8E-16	1.15305E-14	8.152E-12	1.3084E-08	3.27146E-07	7.71911E-13	1.75996E-15	3.85285E-13	2.92817E-16
494	570430.6	4178559	0.55, 41785	0.15297	0.12443	0.14282	99.07784	34.42492	111.25467	14.88754	4.68196	18.0897	2.77E-09	2.16E-06	3.51E-07	8.56E-13	2.58E-12	2.04E-12	4.94E-16	1.19E-14	6.58E-16	1.30791E-14	9.247E-12	1.4405E-08	3.51376E-07	8.75584E-13	1.99633E-15	4.37032E-13	3.32144E-16
495	570470.6	4178559	0.55, 41785	0.17711	0.14611	0.16369	108.3811	37.13833	125.77833	15.68816	5.10948	19.33096	3.18E-09	2.44E-06	3.75E-07	9.81E-13	2.96E-12	2.34E-12	5.66E-16	1.37E-14	7.55E-16	1.49904E-14	1.06E-11	1.6285E-08	3.75485E-07	1.00354E-12	2.28806E-15	5.00897E-13	3.80682E-16
496	570510.6	4178559	0.55, 41785	0.21022	0.1758	0.19176	119.02071	41.74654	144.28309	16.67371	5.7123	20.76073	3.72E-09	2.8E-06	4.03E-07	1.15E-12	3.47E-12	2.74E-12	6.63E-16	1.6E-14	8.84E-16	1.75612E-14	1.242E-11	1.8681E-08	4.03256E-07	1.17563E-12	2.68044E-15	5.86796E-13	4.45965E-16
497	570550.6	4178559	0.55, 41785	0.25686	0.21737	0.22998	138.81712	48.97119	169.0217	17.78034	6.5378	22.20322	4.47E-09	3.28E-06	4.31E-07	1.38E-12	4.16E-12	3.29E-12	7.95E-16	1.92E-14	1.06E-15	2.10615E-14	1.489E-11	2.1884E-08	4.31275E-07	1.40996E-12	3.21471E-15	7.03757E-13	5.34855E-16
498	570590.6	4178559	0.55, 41785	0.31921	0.27311	0.27901	158.95656	55.69599	196.40207	19.86957	7.90259	24.55026	5.42E-09	3.81E-06	4.77E-07	1.67E-12	5.05E-12	3.99E-12	9.65E-16	2.33E-14	1.29E-15	2.55518E-14	1.807E-11	2.543E-08	4.76865E-07	1.71057E-12	3.9001E-15	8.538E-13	6.48888E-16
499	570630.6	4178559	0.55, 41785	0.41072	0.35398	0.34795	180.38278	65.18573	228.48167	22.54785	9.64997	28.56021	6.76E-09	4.44E-06	5.55E-07	2.09E-12	6.3E-12	4.97E-12	1.2E-15	2.91E-14	1.6E-15	3.18657E-14	2.253E-11	2.9583E-08	5.54751E-07	2.13325E-12	4.86382E-15	1.06478E-12	8.09229E-16
500	570670.6	4178559	0.55, 41785	0.55178	0.47716	0.45068	218.05495	85.23197	290.43238	27.25687	14.02323	36.30405	8.75E-09	5.64E-06	7.05E-07	2.7E-12	8.16E-12	6.44E-12	1.56E-15	3.76E-14	2.08E-15	4.12743E-14	2.918E-11	3.7604E-08	7.0516E-07	2.76311E-12	6.2999E-15	1.37916E-12	1.04816E-15
501	570710.6	4178559	0.55, 41785	0.78132	0.6809	0.62169	244.71244	105.12049	355.26836	32.595	21.74638	44.40855	1.21E-08	6.9E-06	8.63E-07	3.73E-12	1.13E-11	8.89E-12	2.15E-15	5.19E-14	2.87E-15	5.69364E-14	4.026E-11	4.5999E-08	8.62575E-07	3.81161E-12	8.69048E-15	1.9025E-12	1.4459E-15
502	570750.6	4178559	0.55, 41785	1.13763	1.02831	0.92752	276.33124	124.7524	514.56755	39.47589	32.46528	64.32094	1.8E-08	9.99E-06	1.25E-06	5.56E-12	1.68E-11	1.33E-11	3.21E-15	7.75E-14	4.28E-15	8.49455E-14	6.006E-11	6.6623E-08	1.2493E-06	5.68669E-12	1.29656E-14	2.83841E-12	2.15719E-15
503	570790.6	4178559	0.55, 41785	1.48115	1.46435	1.34156	285.306	157.20995	776.24295	43.19026	42.97795	97.64972	2.61E-08	1.51E-05	1.9E-06	8.04E-12	2.43E-11	1.92E-11	4.64E-15	1.12E-13	6.18E-15	1.22864E-13	8.687E-11	1.005E-07	1.89656E-06	8.22513E-12	1.87533E-14	4.10543E-12	3.12012E-15
504	570830.6	4178559	0.55, 41785	2.67811	2.99292	2.3948	342.02881	178.80856	871.65336	66.23843	64.34565	121.28657	4.65E-08	1.69E-05	2.36E-06	1.44E-11	4.33E-11	3.42E-11	8.28E-15	2E-13	1.1E-14	2.19331E-13	1.551E-10	1.1286E-07	2.3557E-06	1.46831E-11	3.34776E-14	7.32883E-12	5.56991E-15
505	570950.6	4178559	0.55, 41785	26.55575	12.00196	5.05287	679.01352	318.67052	1487.06516	280.37281	116.3834	245.48668	9.82E-08	2.89E-05	4.77E-06	3.03E-11	9.15E-11	7.23E-11	1.75E-14	4.22E-13	2.33E-14	4.62956E-13	3.273E-10	1.9254E-07	4.76878E-06	3.09926E-11	7.06632E-14	1.54694E-11	1.17568E-14
506	570990.6	4178559	0.55, 41785	10.52141	6.96087	4.44153	639.29991	205.65266	1371.63359	133.52138	75.6432	174.17097	8.63E-08	2.66E-05	3.38E-06	2.66E-11	8.04E-11	6.35E-11	1.54E-14	3.71E-13	2.05E-14	4.0683E-13	2.876E-10	1.7759E-07	3.38306E-06	2.72353E-11	6.20964E-14	1.3594E-11	1.03314E-14
507	571030.6	4178559	0.55, 41785	6.12086	4.69941	3.63304	562.31532	143.87555	907.33173	97.52112	53.65332	135.00156	7.06E-08	1.76E-05	2.62E-06	2.18E-11	6.58E-11	5.19E-11	1.26E-14	3.03E-13	1.67E-14	3.32746E-13	2.353E-10	1.1747E-07	2.62221E-06	2.22757E-11	5.07886E-14	1.11185E-11	8.45007E-15
508	571070.6	4178559	0.55, 41785	4.00501	3.46908	2.98955	291.75499	122.4909	364.39166	69.10596	41.80504	75.82917	5.81E-08	7.08E-06	1.47E-06	1.79E-11	5.41E-11	4.27E-11	1.03E-14	2.5E-13	1.38E-14	2.73798E-13	1.936E-10	4.7181E-08	1.47295E-06	1.83294E-11	4.17911E-14	9.1488E-12	6.95309E-15
509	571110.6	4178559	0.55, 41785	2.89394	2.70355	2.4438	288.47324	105.99812	437.78623	48.03981	36.46899	59.71453	4.75E-08	8.5E-06	1.16E-06	1.46E-11	4.42E-11	3.49E-11	8.45E-15	2.04E-13	1.13E-14	2.23811E-13	1.582E-10	5.6682E-08	1.1599E-06	1.49831E-11	3.41614E-14	7.47853E-12	5.68368E-15
510	571150.6	4178559	0.55, 41785	2.21115	2.17534	2.01472	240.56187	97.79178	377.92847	31.90722	30.3701	47.66793	3.91E-08	7.34E-06	9.26E-07	1.21E-11	3.65E-11	2.88E-11	6.97E-15	1.68E-13	9.29E-15	1.84513E-13	1.305E-10	4.8932E-08	9.25868E-07	1.23523E-11	2.81631E-14	6.1654E-12	4.68571E-15
511	571190.6	4178559	0.55, 41785	1.76303	1.79806	1.6955	177.14345	83.63267	264.27885	24.55859	26.34777	34.50528	3.29E-08	5.13E-06	6.7E-07	1.02E-11	3.07E-11	2.42E-11	5.86E-15	1.42E-13	7.82E-15	1.55277E-13	1.098E-10	3.4218E-08	6.70214E-07	1.0395E-11	2.37007E-14	5.1885E-12	3.94326E-15
512	571230.6	4178559	0.55, 41785	1.44054	1.50665	1.43503	192.87207	80.98435	306.26039	29.09943	22.26218	51.0434	2.79E-08	5.95E-06	9.91E-07	8.6E-12	2.6E-11	2.05E-11	4.96E-15	1.2E-13	6.62E-15	1.31422E-13	9.292E-11	3.9653E-08	9.91403E-07	8.79808E-12	2.00596E-14	4.3914E-12	3.33747E-15
513	571270.6	4178559	0.55, 41785	1.19178	1.27042	1.20125	167.21575	71.42327	283.3883	22.32638	19.23301	35.42354	2.33E-08	5.5E-06	6.88E-07	7.2E-12	2.17E-11	1.72E-11	4.15E-15	1E-13	5.54E-15	1.10013E-13	7.778E-11	3.6692E-08	6.88034E-07	7.3648E-12	1.67918E-14	3.67601E-12	2.79377E-15

514	571310.6	4178559	0.55, 41785	1.01245	1.08581	1.02025	169.23295	65.49002	155.67948	26.6418	16.91234	25.18935	1.98E-08	3.02E-06	4.89E-07	6.12E-12	1.85E-11	1.46E-11	3.53E-15	8.52E-14	4.7E-15	9.34364E-14	6.606E-11	2.0158E-08	4.89312E-07	6.25511E-12	1.42617E-14	3.12213E-12	2.37282E-15
515	571350.6	4178559	0.55, 41785	0.8838	0.94242	0.90608	194.09519	63.64749	285.0024	28.90026	14.99354	40.61241	1.76E-08	5.54E-06	7.89E-07	5.43E-12	1.64E-11	1.3E-11	3.13E-15	7.57E-14	4.18E-15	8.298E-14	5.867E-11	3.6901E-08	7.88836E-07	5.5551E-12	1.26656E-14	2.77273E-12	2.10727E-15
516	571390.6	4178559	0.55, 41785	0.78025	0.82372	0.8159	158.10154	57.98385	206.74246	23.81897	12.89204	30.22211	1.58E-08	4.02E-06	5.87E-07	4.89E-12	1.48E-11	1.17E-11	2.82E-15	6.81E-14	3.76E-15	7.47206E-14	5.283E-11	2.6768E-08	5.87032E-07	5.00218E-12	1.1405E-14	2.49675E-12	1.89753E-15
517	571430.6	4178559	0.55, 41785	0.68512	0.72115	0.71821	137.68904	52.2569	180.06144	18.93914	11.62385	25.68604	1.4E-08	3.5E-06	4.99E-07	4.31E-12	1.3E-11	1.03E-11	2.48E-15	6E-14	3.31E-15	6.5774E-14	4.65E-11	2.3314E-08	4.98917E-07	4.40325E-12	1.00394E-14	2.1978E-12	1.67033E-15
518	571470.6	4178559	0.55, 41785	0.60049	0.63425	0.62389	143.56241	49.93475	187.32246	19.90478	10.29716	25.60594	1.21E-08	3.64E-06	4.97E-07	3.74E-12	1.13E-11	8.92E-12	2.16E-15	5.21E-14	2.88E-15	5.71363E-14	4.04E-11	2.4254E-08	4.97366E-07	3.825E-12	8.72099E-15	1.90918E-12	1.45098E-15
519	571510.6	4178559	0.55, 41785	0.52736	0.56045	0.5447	131.02036	47.72087	167.66109	18.26486	8.99798	23.11602	1.06E-08	3.26E-06	4.49E-07	3.27E-12	9.86E-12	7.79E-12	1.88E-15	4.55E-14	2.51E-15	4.98842E-14	3.527E-11	2.1708E-08	4.49004E-07	3.3395E-12	7.61407E-15	1.66685E-12	1.26681E-15
520	571550.6	4178559	0.55, 41785	0.46874	0.49944	0.48529	99.50634	45.73793	109.0385	14.05158	8.03042	15.4257	9.43E-09	2.12E-06	3E-07	2.91E-12	8.78E-12	6.94E-12	1.68E-15	4.05E-14	2.24E-15	4.44434E-14	3.142E-11	1.4118E-08	2.99638E-07	2.97527E-12	6.78361E-15	1.48505E-12	1.12864E-15
521	571590.6	4178559	0.55, 41785	0.42104	0.44786	0.43792	63.39282	43.98321	60.02596	9.17705	7.35207	9.24249	8.51E-09	1.17E-06	1.8E-07	2.62E-12	7.93E-12	6.26E-12	1.51E-15	3.66E-14	2.02E-15	4.01051E-14	2.836E-11	7.7729E-09	1.79535E-07	2.68484E-12	6.12144E-15	1.34009E-12	1.01847E-15
522	570310.6	4178599	0.55, 41785	0.10507	0.08466	0.09914	83.25071	28.48032	95.05484	11.19876	3.62883	12.56574	1.93E-09	1.85E-06	2.44E-07	5.94E-13	1.79E-12	1.42E-12	3.43E-16	8.28E-15	4.57E-16	9.07898E-15	6.419E-12	1.2307E-08	2.44083E-07	6.07793E-13	1.38577E-15	3.03369E-13	2.3056E-16
523	570350.6	4178599	0.55, 41785	0.11716	0.09561	0.10985	88.57329	30.33455	103.53599	11.44069	3.79182	12.942	2.13E-09	2.01E-06	2.51E-07	6.58E-13	1.99E-12	1.57E-12	3.8E-16	9.17E-15	5.06E-16	1.00598E-14	7.113E-12	1.3406E-08	2.51391E-07	6.73455E-13	1.53548E-15	3.36143E-13	2.55469E-16
524	570390.6	4178599	0.55, 41785	0.13131	0.10865	0.12235	93.2639	32.45644	112.44406	11.65799	4.05706	14.05551	2.38E-09	2.18E-06	2.73E-07	7.33E-13	2.21E-12	1.75E-12	4.23E-16	1.02E-14	5.64E-16	1.12046E-14	7.922E-12	1.4559E-08	2.73016E-07	7.50092E-13	1.71021E-15	3.74395E-13	2.8454E-16
525	570430.6	4178599	0.55, 41785	0.15022	0.126	0.13878	103.53542	36.02365	122.12845	12.94193	4.50296	15.26606	2.7E-09	2.37E-06	2.97E-07	8.32E-13	2.51E-12	1.98E-12	4.8E-16	1.16E-14	6.4E-16	1.27093E-14	8.986E-12	1.5813E-08	2.96532E-07	8.50824E-13	1.93988E-15	4.24673E-13	3.22752E-16
526	570470.6	4178599	0.55, 41785	0.17421	0.14819	0.15942	115.63183	39.91557	131.63773	14.45398	5.34922	16.45472	3.1E-09	2.56E-06	3.2E-07	9.56E-13	2.89E-12	2.28E-12	5.51E-16	1.33E-14	7.35E-16	1.45995E-14	1.032E-11	1.7044E-08	3.19623E-07	9.77368E-13	2.2284E-15	4.87836E-13	3.70755E-16
527	570510.6	4178599	0.55, 41785	0.20799	0.17912	0.18803	128.15759	44.54205	154.67263	16.0197	6.36274	19.33408	3.65E-09	3E-06	3.76E-07	1.13E-12	3.4E-12	2.69E-12	6.5E-16	1.57E-14	8.67E-16	1.72197E-14	1.217E-11	2.0027E-08	3.75548E-07	1.15278E-12	2.62833E-15	5.75387E-13	4.37294E-16
528	570550.6	4178599	0.55, 41785	0.25382	0.22088	0.22625	141.74172	51.90419	182.47104	17.71771	7.41488	22.80888	4.39E-09	3.54E-06	4.43E-07	1.36E-12	4.09E-12	3.23E-12	7.82E-16	1.89E-14	1.04E-15	2.072E-14	1.465E-11	2.3626E-08	4.43036E-07	1.3871E-12	3.1626E-15	6.92348E-13	5.26185E-16
529	570590.6	4178599	0.55, 41785	0.31442	0.27626	0.27638	161.8077	62.94071	207.9054	20.22596	8.27119	25.98817	5.37E-09	4.04E-06	5.05E-07	1.66E-12	5E-12	3.95E-12	9.56E-16	2.31E-14	1.27E-15	2.53111E-14	1.79E-11	2.6919E-08	5.04791E-07	1.69445E-12	3.86336E-15	8.45756E-13	6.42775E-16
530	570630.6	4178599	0.55, 41785	0.39904	0.35395	0.34775	187.04764	77.01967	233.41259	23.38095	12.20463	29.17657	6.76E-09	4.53E-06	5.67E-07	2.08E-12	6.29E-12	4.97E-12	1.2E-15	2.9E-14	1.6E-15	3.18474E-14	2.252E-11	3.0222E-08	5.66725E-07	2.13203E-12	4.86102E-15	1.06416E-12	8.08763E-16
531	570670.6	4178599	0.55, 41785	0.52025	0.46779	0.4567	203.91154	89.67976	314.96286	27.18561	17.16092	39.37036	8.87E-09	6.12E-06	7.65E-07	2.74E-12	8.27E-12	6.53E-12	1.58E-15	3.81E-14	2.11E-15	4.18252E-14	2.957E-11	4.078E-08	7.64706E-07	2.79999E-12	6.38398E-15	1.39757E-12	1.06215E-15
532	570710.6	4178599	0.55, 41785	0.68748	0.63563	0.62617	226.5911	101.22552	383.25212	32.37016	22.387	47.90652	1.22E-08	7.44E-06	9.31E-07	3.75E-12	1.13E-11	8.95E-12	2.16E-15	5.23E-14	2.89E-15	5.73453E-14	4.054E-11	4.9622E-08	9.30504E-07	3.83899E-12	8.75289E-15	1.91616E-12	1.45628E-15
533	570750.6	4178599	0.55, 41785	0.91976	0.89022	0.88415	243.41497	114.05895	499.75889	34.77357	31.00996	69.4997	1.72E-08	9.71E-06	1.35E-06	5.3E-12	1.6E-11	1.26E-11	3.06E-15	7.38E-14	4.08E-15	8.09711E-14	5.725E-11	6.4706E-08	1.34985E-06	5.42062E-12	1.2359E-14	2.7056E-12	2.05626E-15
534	570790.6	4178599	0.55, 41785	1.20615	1.22781	1.16033	261.32328	130.44037	537.17009	39.31654	39.06207	73.65107	2.25E-08	1.04E-05	1.43E-06	6.96E-12	2.1E-11	1.66E-11	4.01E-15	9.69E-14	5.35E-15	1.06265E-13	7.513E-11	6.955E-08	1.43049E-06	7.11394E-12	1.62198E-14	3.55079E-12	2.6986E-15
535	570830.6	4178599	0.55, 41785	1.86035	2.06593	1.53512	307.79075	158.37727	606.96091	57.33573	51.17396	80.52216	2.98E-08	1.18E-05	1.56E-06	9.2E-12	2.78E-11	2.19E-11	5.31E-15	1.28E-13	7.08E-15	1.406E-13	9.941E-11	7.8586E-08	1.56402E-06	9.41247E-12	2.14604E-14	4.69806E-12	3.57053E-15
536	570870.6	4178599	0.55, 41785	2.81953	3.8452	1.88016	429.66876	238.19724	679.18896	77.96533	87.47681	90.64703	3.65E-08	1.32E-05	1.76E-06	1.13E-11	3.4E-11	2.69E-11	6.5E-15	1.57E-13	8.67E-15	1.72233E-13	1.218E-10	8.794E-08	1.76076E-06	1.15301E-11	2.62887E-14	5.75506E-12	4.37384E-15
537	570910.6	4178599	0.55, 41785	4.21414	6.38342	2.32175	555.65098	273.48442	945.27353	124.98504	103.73159	124.24769	4.51E-08	1.84E-05	2.41E-06	1.39E-11	4.2E-11	3.32E-11	8.03E-15	1.94E-13	1.07E-14	2.12724E-13	1.504E-10	1.2239E-07	2.41352E-06	1.42408E-11	3.2469E-14	7.10804E-12	5.40211E-15
538	570950.6	4178599	0.55, 41785	4.59898	4.54538	2.28746	563.80012	195.03038	769.06119	96.52509	58.5202	125.1466	4.44E-08	1.49E-05	2.43E-06	1.37E-11	4.14E-11	3.27E-11	7.91E-15	1.91E-13	1.05E-14	2.09544E-13	1.482E-10	9.9575E-08	2.43083E-06	1.40279E-11	3.19836E-14	7.00178E-12	5.32135E-15
539	570990.6	4178599	0.55, 41785	3.82228	3.4158	2.10211	387.45867	157.86758	722.29473	74.93195	45.58999	97.36969	4.08E-08	1.4E-05	1.89E-06	1.26E-11	3.81E-11	3.01E-11	7.27E-15	1.76E-13	9.69E-15	1.92546E-13	1.361E-10	9.3518E-08	1.89129E-06	1.289E-11	2.93893E-14	6.43383E-12	4.88971E-15
540	571030.6	4178599	0.55, 41785	3.02247	2.69987	1.99871	442.17309	124.03841	776.22539	67.82636	38.72372	97.59907	3.88E-08	1.51E-05	1.9E-06	1.2E-11	3.62E-11	2.86E-11	6.91E-15	1.67E-13	9.21E-15	1.83061E-13	1.294E-10	1.005E-07	1.89571E-06	1.22551E-11	2.79415E-14	6.11689E-12	4.64884E-15
541	571070.6	4178599	0.55, 41785	2.43201	2.20804	1.81695	323.32852	105.96293	523.5768	49.87717	32.54487	75.45431	3.53E-08	1.02E-05	1.47E-06	1.09E-11	3.29E-11	2.6E-11	6.28E-15	1.52E-13	8.38E-15	1.66408E-13	1.177E-10	6.7789E-08	1.46557E-06	1.11402E-11	2.53996E-14	5.56041E-12	4.22591E-15
542	571110.6	4178599	0.55, 41785	1.9361	1.83698	1.53551	285.52756	89.63178	395.42144	42.26506	28.59229	57.87538	2.98E-08	7.68E-06	1.12E-06	9.2E-12	2.78E-11	2.2E-11	5.31E-15	1.28E-13	7.08E-15	1.40631E-13	9.943E-11	5.1197E-08	1.12415E-06	9.41453E-12	2.14651E-14	4.69909E-12	3.57131E-15
543	571150.6	4178599	0.55, 41785	1.58315	1.55537	1.34493	182.41041	88.91432	301.39134	29.75311	25.20352	37.67392	2.61E-08	5.85E-06	7.32E-07	8.06E-12	2.43E-11	1.92E-11	4.65E-15	1.12E-13	6.2E-15	1.23175E-13	8.709E-11	3.9023E-08	7.31775E-07	8.24594E-12	1.88007E-14	4.11581E-12	3.12802E-15
544	571190.6	4178599	0.55, 41785	1.33739	1.33597	1.20735	189.26194	77.8274	237.13522	24.55337	21.99349	31.52399	2.35E-08	4.61E-06	6.12E-07	7.24E-12	2.19E-11	1.73E-11	4.17E-15	1.01E-13	5.57E-15	1.10573E-13	7.818E-11	3.0704E-08	6.12318E-07	7.40232E-12	1.68773E-14	3.69473E-12	2.808E-15
545	571230.6	4178599	0.55, 41785	1.14183	1.1549	1.07779	177.02423	70.01737	247.02933	25.42204	18.83046	36.19826	2.09E-08	4.8E-06	7.03E-07	6.46E-12	1.95E-11	1.54E-11	3.73E-15	9E-14	4.97E-15	9.87064E-14	6.979E-11	3.1984E-08	7.03095E-07	6.60791E-12	1.5066E-14	3.29822E-12	2.50665E-15
546	571270.6	4178599	0.55, 41785	0.97959	1.00523	0.95378	160.46118	68.49541	236.51718	22.92303	16.81937	33.9008	1.85E-08	4.59E-06	6.58E-07	5.72E-12	1.73E-11	1.36E-11	3.3E-15	7.97E-14	4.4E-15	8.73489E-14	6.176E-11	3.0623E-08	6.58466E-07	5.84758E-12	1.33325E-14	2.91871E-12	2.21822E-15
547	571310.6	4178599	0.55, 41785	0.84011	0.87488	0.82502	131.92842	62.86665	193.55215	16.49105	15.16442	24.19402	1.6E-08	3.76E-06	4.7E-07	4.95E-12	1.49E-11	1.18E-11	2.85E-15	6.89E-14	3.8E-15	7.55569E-14	5.342E-11	2.5061E-08	4.69929E-07	5.05816E-12	1.15326E-14	2.52469E-12	1.91877E-15
548	571350.6	4178599	0.55, 41785	0.73896	0.77159	0.73066	149.85158	58.69155	153.82017	22.55392	13.49962	22.49489	1.42E-08	2.99E-06	4.37E-07	4.38E-12	1.32E-11	1.04E-11	2.53E-15	6.1E-14	3.37E-15	6.69151E-14	4.731E-11	1.9917E-08	4.36965E-07	4.47964E-12	1.02136E-14	2.23593E-12	1.69931E-15
549	571390.6	4178599	0.55, 41785	0.661	0.68563	0.66671	168.50279	56.32456	235.09945	24.41155	12.10471	32.40344	1.3E-08	4.57E-06	6.29E-07	4E-12	1.21E-11	9.53E-12	2.31E-15	5.57E-14	3.07E-15	6.1058E-14	4.317E-11	3.044E-08	6.29396E-07	4.08754E-12	9.31958E-15	2.04022E-12	1.55057E-15
550	571430.6	4178599	0.55, 41785	0.59511	0.61204	0.61151	136.17098	51.76249	171.68803	20.03651	10.61326	24.28892	1.19E-08	3.33E-06	4.72E-07	3.67E-12	1.11E-11	8.74E-12	2.11E-15	5.11E-14	2.82E-15	5.60023E-14	3.96E-11	2.223E-08	4.71791E-07	3.74908E-12	8.54791E-15	1.87129E-12	1.42218E-15
551	571470.6	4178599	0.55, 41785	0.53051	0.54561	0.54811	117.9441	47.17442	154.11151	16.84916	9.40387	22.01593	1.06E-08	2.99E-06	4.28E-07	3.29E-12	9.92E-12	7.84E-12	1.9E-15	4.58E-14	2.53E-15	5.01961E-14	3.549E-11	1.9954E-08	4.27633E-07	3.36038E-12	7.66167E-15	1.67727E-12	1.27473E-15
552	571510.6	4178599	0.55, 41785	0.47218	0.48877	0.48576	120.07824	45.51387	145.12306	16.38718	8.49605	19.65912	9.44E-09	2.82E-06	3.82E-07	2.91E-12	8.79E-12	6.94E-12	1.68E-15	4.06E-14	2.24E-15	4.44862E-14	3.145E-11	1.879E-08	3.81862E-07	2.97813E-12	6.79014E-15	1.48648E-12	1.12972E-15
553	571550.6	4178599	0.55, 41785	0.42043	0.43954	0.43052	119.99429	43.92883	151.34582	16.43506	7.56489	20.5622	8.36E-09	2.94E-06	3.99E-07	2.58E-12	7.79E-12	6.15E-12	1.49E-15	3.6E-14	1.98E-15	3.94274E-14	2.788E-11	1.9596E-08	3.994E-07	2.63947E-12	6.01799E-15	1.31744E-12	1.00126E-15
554	571590.6	4178599	0.55, 41785	0.37632	0.39688	0.38556	100.33698	42.40478	116.86516	13.86046	7.00095	16.11187	7.49E-09	2.27E-06	3.13E-07	2.31E-12	6.98E-12	5.51E-12	1.33E-15	3.22E-14	1.78E-15	3.531E-14	2.497E-11	1.5132E-08	3.12962E-07	2.36383E-12	5.38954E-15	1.17986E-12	8.96696E-16
555	570310.6	4178639	0.55, 41786	0.10356	0.08559	0.09711	83.92303	29.66661	96.15389	10.49038	3.70833	12.01924	1.89E-09	1.87E-06	2.33E-07	5.82E-13	1.76E-12	1.39E-12	3.36E-16	8.11E-15	4.48E-16	8.89314E-15	6.288E-12	1.245E-08	2.33466E-07	5.95352E-13	1.3574E-15	2.97159E-13	2.25841E-16
556	570350.6	4178639	0.55, 41786	0.1161	0.09716	0.10841	92.63397	32.60646	103.61771	11.57925	4.08084	12.95221	2.11E-09	2.01E-06	2.52E-07	6.5E-13	1.96E-12	1.55E-12	3.75E-16	9.05E-15	5E-16	9.928E-15	7.019E-12	1.3416E-08	2.5159E-07	6.64631E-13	1.51536E-15	3.31739E-13	2.52121E-16
557	570390.6	4178639	0.55, 41786	0.13068	0.11086	0.1215	100.54346	34.97331	116.66288	12.56793	4.70976	14.58286	2.36E-09	2.27E-06	2.83E-07	7.28E-13	2.2E-12	1.74E-12	4.2E-16	1.01E-14	5.6E-16	1.11268E-14	7.867E-12	1.5105E-08	2.83262E-07	7.44885E-13	1.69834E-15	3.71796E-13	2.82565E-16
558	570430.6	4178639	0.55, 41786	0.14929	0.12834	0.13819	107.49924	37.52244	130.89362	13.4374	5.36035	16.3617	2.68E-09	2.54E-06	3.18E-07	8.28E-13	2.5E-12	1.98E-12	4.78E-16	1.15E-14	6.37E-16	1.26553E-14	8.948E-12	1.6948E-08	3.17811E-07	8.47211E-13	1.93164E-15	4.2287E-13	3.21381E-16
559	570470.6	4178639	0.55, 41786	0.17443	0.15183	0.16061	116.62505	42.4162	145.19757	14.57813	6.05946	18.1497	3.12E-09	2.82E-06	3.53E-07	9.63E-13	2.91E-12	2.3E-12	5.55E-16	1.34E-14	7.4E-16	1.47086E-14	1.04E-11	1.88E-08	3.5254E-07	9.84667E-13	2.24504E-15	4.91479E-13	3.73524E-16
560	570510.6	4178639	0.55, 41786	0.20768	0.18277	0.19013	127.00459	48.18252	156.06863	15.87557	6.71257	19.50858	3.69E-09	3.03E-06	3.79E-07	1.14E-12	3.44E-12	2.72E-12	6.57E-16	1.59E-14	8.76E-16	1.74121E-14	1.231E-11	2.0207E-08	3.78936E-07	1.16565E-12	2.65769E-15	5.81815E-13	4.42179E-16
561	570550.6	4178639	0.55, 41786	0.2504	0.22269	0.22841	148.76746	59.99627	172.72318	18.59593	7.58374	21.5904	4.44E-09	3.35E-06	4.19E-07	1.37E-12	4.13E-12	3.27E-12	7.9E-16	1.91E-14	1.05E-15	2.09178E-14	1.479E-11	2.2364E-08	4.19379E-07	1.40035E-12	3.19279E-15	6.98957E-13	5.31208E-16
562	570590.6	4178639	0.55, 41786	0.30521	0.27478	0.27907	162.38276	69.4472	222.88998	20.29784	10.74133	27.86125	5.42E-09	4.33E-06	5.41E-07	1.67E-12	5.05E-12	3.99E-12	9.65E-16	2.33E-14	1.29E-15	2.55573E-14	1.807E-11	2.8859E-08	5.41166E-07	1.71094E-12	3.90094E-15	8.53984E-13	6.49028E-16
563	570630.6	4178639	0.55, 41786	0.37839	0.34592	0.35098	177.15033	78.68271	266.26636	23.7109	14.16715	33.28329	6.82E-09	5.17E-06	6.46E-07	2.1E-12	6.35E-12	5.02E-12	1.21E-15	2.93E-14	1.62E-15	3.21429E-14	2.273E-11	3.4475E-08	6.46478E-07	2.15181E-12	4.90612E-15	1.07404E-12	8.16267E-16
564	570670.6	4178639	0.55, 41786	0.47152	0.44129	0.44999	194.04584	86.02037	313.51443	27.72083	17.24466	39.1893	8.74E-09	6.09E-06	7.61E-07	2.7E-12	8.14E-12	6.43E-12	1.56E-15	3.76E-14	2.07E-15	4.12102E-14	2.914E-11	4.0593E-08	7.61193E-07	2.75882E-12	6.2901E-15	1.37701E-12	1.04653E-15
565	570710.6	4178639	0.55, 41786	0.59058	0.57043	0.57865	207.44684	93.90742	372.29223	29.63526	21.88085	53.1846	1.12E-08	7.23E-06	1.03E-06	3.47E-12	1.05E-11	8.27E-12	2E-15	4.83E-14	2.67E-15	5.29929E-14	3.747E-11	4.8202E-08	1.03299E-06	3.54761E-12	8.08856E-15	1.77073E-12	1.34575E-15
566	570750.6	4178639	0.55, 41786	0.7421	0.74424	0.7234	219.27007	107.04803	379.32522	31.3243	27.05481	52.15596	1.41E-08	7.37E-06	1.01E-06	4.34E-12	1.31E-11	1.03E-11	2.5E-15	6.04E-14	3.33E-15	6.62498E-14	4.684E-11	4.9113E-08	1.01302E-06	4.4351E-12	1.0112E-14	2.2137E-12	1.68241E-15
567	570790.6	4178639	0.55, 41786	0.94425	0.97087	0.85006	237.37937	117.94026	412.19598	33.01145	30.70173	55.76703	1.65E-08	8.01E-06	1.08E-06	5.1E-12	1.54E-11	1.22E-11	2.94E-15	7.1E-14	3.92E-15	7.78519E-14	5.504E-11	5.3369E-08	1.08316E-06	5.2118E-12	1.18829E-14	2.60138E-12	1.97705E-15
568	570830.6	4178639	0.55, 41786	1.23329	1.33292	0.96284	295.25944	130.22679	473.13116	42.69044	39.99654	61.26658	1.87E-08	9.19E-06	1.19E-06	5.77E-12	1.74E-11	1.38E-11	3.33E-15	8.04E-14	4.44E-15	8.81864E-14	6.235E-11	6.1259E-08	1.19001E-06	5.90365E-12	1.34603E-14	2.9467E-12	2.23949E-15
569	570870.6	4178639	0.55, 41786	1.50989	1.73214	1.20169	317.24906	188.19869	615.93486	58.25942	53.82297	76.99186	2.33E-08	1.2E-05	1.5E-06	7.2E-12	2.18E-11	1.72E-11	4.16E-15	1E-13	5.54E-15	1.10064E-13	7.782E-11	7.9749E-08	1.49547E-06	7.36825E-12	1.67996E-14	3.67773E-12	2.79507E-15
570	570910.6	4178639	0.55, 41786	1.78259	1.99297	1.30656	332.58479	179.86407	638.76492	63.94152	52.98497	79.84561	2.54E-08	1.24E-05	1.55E-06	7.83E-12	2.37E-11	1.87E-11	4.52E-15	1.09E-13	6.02E-15	1.19672E-13	8.461E-11	8.2704E-08	1.55092E-06	8.01146E-12	1.82661E-14	3.99878E-12	3.03907E-15
571	570950.6	4178639	0.55, 41786	1.86524	1.94862	1.2876	326.77204	147.92341	425.10208	57.64661	41.4452	82.66786	2.5E-08	8.26E-06	1.61E-06	7.72E-12	2.33E-11	1.84E-11	4.45E-15	1.08E-13	5.94E-15	1.17935E-13	8.338E-11	5.5042E-08	1.60569E-06	7.8952E-12	1.80011E-14	3.94075E-12	2.99497E-15
572	570990.6	4178639	0.55, 41786	1.76592	1.78245	1.25006	311.73236	122.31574	573.48464	43.80696	33.57582	91.70195	2.43E-08	1.11E-05	1.78E-06	7.49E-12	2.26E-11	1.79E-11	4.32E-15	1.04E-13	5.76E-15	1.14494E-13	8.095E-11	7.4251E-08	1.78106E-06	7.66484E-12	1.74758E-14	3.82577E-12	2.90758E-15
573	571030.6	4178639	0.55, 41786	1.5977	1.58915	1.17717	263.38378	106.70114	334.97263	40.88022	26.80487	57.79917	2.29E-08	6.51E-06	1.12E-06	7.06E-12	2.13E-11	1.68E-11	4.07E-15	9.83E-14	5.43E-15	1.07816E-13	7.623E-11	4.3372E-08	1.12266E-06	7.21776E-12	1.64565E-14	3.60262E-12	2.73799E-15
574	571070.6	4178639	0.55, 41786	1.42629	1.41473	1.18099	323.91584	92.06505	516.79706	44.84431	24.93328	64.76299	2.29E-08	1E-05	1.26E-06	7.08E-12	2.14E-11	1.69E-11	4.08E-15	9.86E-14	5.44E-15	1.08162E-13	7.647E-11	6.6911E-08	1.25792E-06	7.24088E-12	1.65092E-14	3.61416E-12	2.74676E-15
575	571110.6	4178639	0.55, 41786	1.27265	1.25146	1.07066	231.49813	85.11921	353.08688	34.4516	22.95032	48.16161	2.08E-08	6.86E-06	9.35E-07	6.42E-12	1.94E-11	1.53E-11	3.7E-15	8.94E-14	4.94E-15	9.80561E-14	6.933E-11	4.5716E-08	9.35468E-07	6.56438E-12	1.49668E-14	3.27649E-12	2.49013E-15
576	571150.6	4178639	0.55, 41786	1.10067	1.1079	0.9372	235.36335	78.49538	345.02109	33.92291	20.75102	48.66179	1.82E-08	6.7E-06	9.45E-07	5.62E-12	1.7E-11	1.34E-11	3.24E-15	7.83E-14	4.32E-15	8.58335E-14	6.069E-11	4.4671E-08	9.45179E-07	5.74613E-12	1.31012E-14	2.86808E-12	2.17974E-15
577	571190.6	4178639	0.55, 41786	0.96404	0.98605	0.85109	150.10185	73.9658	197.92558	22.00887	18.66835	28.93746	1.65E-08	3.84E-06	5.62E-07	5.1E-12	1.54E-11	1.22E-11	2.94E-15	7.11E-14	3.92E-15	7.79466E-14	5.511E-11	2.5627E-08	5.62075E-07	5.21814E-12	1.18974E-14	2.60454E-12	1.97945E-15
578	571230.6	4178639	0.55, 41786	0.85847	0.87787	0.78438	130.71922	65.23747	181.52397	20.98447	16.26127	28.21366	1.52E-08	3.53E-06	5.48E-07	4.7E-12	1.42E-11	1.12E-11	2.71E-15	6.55E-14	3.62E-15	7.18362E-14	5.079E-11	2.3504E-08	5.48013E-07	4.80908E-12	1.09647E-14	2.40037E-12	1.82428E-15
579	571270.6	4178639	0.55, 41786	0.76521	0.78388	0.72231	147.71702	61.52416	210.17535	22.46264	14.29709	35.02922	1.4E-08	4.08E-06	6.8E-07	4.33E-12	1.31E-11	1.03E-11	2.5E-15	6.03E-14	3.33E-15	6.6151E-14	4.677E-11	2.7213E-08	6.80377E-07	4.42848E-12	1.00969E-14	2.2104E-12	1.6799E-15
580	571310.6	4178639	0.55, 41786	0.67814	0.70066	0.65218	136.41117	59.8434	199.34802	17.34958	13.40052	24.9185	1.27E-08	3.87E-06	4.84E-07	3.91E-12	1.18E-11	9.32E-12	2.25E-15	5.45E-14	3.01E-15	5.97281E-14	4.223E-11	2.5811E-08	4.84003E-07	3.9985E-12	9.11659E-15	1.99578E-12	1.51679E-15
581	571350.6	4178639	0.55, 41786	0.60279	0.6273	0.58324	124.67819	56.4143	162.56927	15.58477	12.33978	20.32116	1.13E-08	3.16E-06	3.95E-07	3.5E-12	1.06E-11	8.34E-12	2.02E-15	4.87E-14	2.69E-15	5.34144E-14	3.777E-11	2.1049E-08	3.94714E-07	3.57583E-12	8.1529E-15	1.78481E-12	1.35646E-15
582	571390.6	4178639	0.55, 41786	0.54567	0.56561	0.53406	134.64293	53.30447	146.45838	19.4501	11.04071	20.47738	1.04E-08	2.84E-06	3.98E-07	3.2E-12	9.67E-12	7.64E-12	1.85E-15	4.46E-14	2.46E-15	4.89102E-14	3.458E-11	1.8963E-08	3.97769E-07	3.2743E-12	7.4654E-15	1.63431E-12	1.24207E-15
583	571430.6	4178639	0.55, 41786	0.50035	0.51255	0.49968	147.79016	50.85435	197.85336	20.77571	9.97795	26.64502	9.71E-09	3.84E-06	5.18E-07	3E-12	9.04E-12	7.14E-12	1.73E-15	4.17E-14	2.3E-15	4.57612E-14	3.235E-11	2.5617E-08	5.17549E-07	3.06349E-12	6.98476E-15	1.52909E-12	1.1621E-15
584	571470.6	4178639	0.55, 41786	0.45884	0.46513	0.46599	118.76181	47.03177	145.5886	16.94782	8.9119	19.9832	9.05E-09	2.83E-06	3.88E-07	2.79E-12	8.43E-12	6.66E-12	1.61E-15	3.89E-14	2.15E-15	4.26755E-14	3.017E-11	1.8851E-08	3.88158E-07	2.85692E-12	6.51377E-15	1.42598E-12	1.08374E-15
585	571510.6	4178639	0.55, 41786	0.41516	0.4204	0.42431	105.04191	43.02213	132.76114	15.00599	7.61313	18.96588	8.24E-09	2.58E-06	3.68E-07	2.54E-12	7.68E-12	6.07E-12	1.47E-15	3.54E-14	1.96E-15	3.88584E-14	2.747E-11	1.719E-08	3.68392E-07	2.60138E-12	5.93114E-15	1.29843E-12	9.86808E-16
586	571550.6	4178639	0.55, 41786	0.37489	0.38245	0.3824	101.59712	41.64808	125.74417	13.25702	7.0054	15.71802	7.43E-09	2.44E-06	3.05E-07	2.29E-12	6.92E-12	5.47E-12	1.32E-15	3.19E-14	1.76E-15	3.50204E-14	2.476E-11	1.6281E-08	3.0531E-07	2.34444E-12	5.34533E-15	1.17019E-12	8.89341E-16
587	571590.6	4178639	0.55, 41786	0.33863	0.34937	0.34405	106.83121	40.48294	130.44071	14.45913	6.53587	17.55635	6.68E-09	2.53E-06	3.41E-07	2.06E-12	6.23E-12	4.92E-12	1.19E-15	2.87E-14	1.59E-15	3.15084E-14	2.228E-11	1.6889E-08	3.41016E-07	2.10933E-12	4.80927E-15	1.05283E-12	8.00154E-16
588	570310.6	4178679	0.55, 41786	0.10291	0.0869	0.09701	88.39628	30.98258	103.31105	11.04953	4.21243	12.91388	1.88E-09	2.01E-06	2.51E-07	5.81E-13	1.76E-12	1.39E-12	3.35E-16	8.1E-15	4.47E-16	8.88401E-15	6.281E-12	1.3376E-08	2.50843E-07	5.94741E-13	1.35601E-15	2.96854E-13	2.25609E-16
589	570350.6	4178679	0.55, 41786	0.11574	0.09888	0.10892	93.23081	33.32166	112.3331	11.65385	4.76024	14.04164	2.12E-09	2.18E-06	2.73E-07	6.53E-13	1.97E-12	1.56E-12	3.77E-16	9.1E-15	5.02E-16	9.97474E-15	7.052E-12	1.4545E-08	2.72747E-07	6.6776E-13	1.52249E-15	3.333E-13	2.53308E-16
590	570390.6	4178679	0.55, 41786	0.13137	0.11361	0.12342	99.39798	36.831	119.21549	12.42475	5.26157	14.90194	2.4E-09	2.32E-06	2.89E-07	7.4E-13	2.23E-12	1.76E-12	4.27E-16	1.03E-14	5.69E-16	1.13027E-14	7.991E-12	1.5436E-08	2.89458E-07	7.56658E-13	1.72518E-15	3.77672E-13	2.87031E-16
591	570430.6	4178679	0.55, 41786	0.15074	0.13191	0.14135	105.99103	39.73692	126.723	13.24888	5.6767	15.84037	2.75E-09	2.46E-06	3.08E-07	8.47E-13	2.56E-12	2.02E-12	4.89E-16	1.18E-14	6.52E-16	1.29447E-14	9.152E-12	1.6408E-08	3.07686E-07	8.66585E-13	1.97581E-15	4.3254E-13	3.28731E-16
592	570470.6	4178679	0.55, 41786	0.17494	0.15487	0.16378	121.69462	47.75873	135.7735	15.21183	5.96984	16.97169	3.18E-09	2.64E-06	3.3E-07	9.82E-13	2.96E-12	2.34E-12	5.66E-16	1.37E-14	7.55E-16	1.49989E-14	1.06E-11	1.758E-08	3.29666E-07	1.0041E-12	2.28935E-15	5.01179E-13	3.80896E-16
593	570510.6	4178679	0.55, 41786	0.2057	0.18414	0.19253	135.37794	56.46386	170.3708	16.92224	7.12807	21.29635	3.74E-09	3.31E-06	4.14E-07	1.15E-12	3.48E-12	2.75E-12	6.66E-16	1.61E-14	8.88E-16	1.76318E-14	1.247E-11	2.2059E-08	4.13659E-07	1.18036E-12	2.69123E-15	5.89158E-13	4.4776E-16
594	570550.6	4178679	0.55, 41786	0.2434	0.22078	0.22908	142.10791	62.60325	200.29273	17.76349	9.55219	25.03659	4.45E-09	3.89E-06	4.86E-07	1.37E-12	4.15E-12	3.27E-12	7.92E-16	1.91E-14	1.06E-15	2.09791E-14	1.483E-11	2.5933E-08	4.86298E-07	1.40445E-12	3.20214E-15	7.01005E-13	5.32764E-16
595	570590.6	4178679	0.55, 41786	0.29132	0.2684	0.27784	157.44437	70.02377	210.9671	21.20731	12.01595	26.37089	5.4E-09	4.1E-06	5.12E-07	1.67E-12	5.03E-12	3.97E-12	9.61E-16	2.32E-14	1.28E-15	2.54445E-14	1.799E-11	2.7316E-08	5.12228E-07	1.70339E-12	3.88372E-15	8.50215E-13	6.46163E-16
596	570630.6	4178679	0.55, 41786	0.34871	0.32823	0.33909	170.78411	74.6949	263.98396	24.39773	14.09383	33.40233	6.59E-09	5.13E-06	6.49E-07	2.03E-12	6.14E-12	4.85E-12	1.17E-15	2.83E-14	1.56E-15	3.10538E-14	2.196E-11	3.418E-08	6.48794E-07	2.0789E-12	4.73989E-15	1.03765E-12	7.8861E-16
597	570670.6	4178679	0.55, 41786	0.41782	0.40379	0.41108	181.29369	80.27499	295.25985	25.8991	15.99045	42.12286	7.99E-09	5.73E-06	8.18E-07	2.46E-12	7.44E-12	5.88E-12	1.42E-15	3.43E-14	1.9E-15	3.76468E-14	2.662E-11	3.8229E-08	8.18152E-07	2.52027E-12	5.74621E-15	1.25795E-12	9.56038E-16
598	570710.6	4178679	0.55, 41786	0.49876	0.49687	0.48618	185.88712	90.92914	287.65142	26.5553	19.21501	39.31628	9.44E-09	5.59E-06	7.64E-07	2.91E-12	8.8E-12	6.95E-12	1.68E-15	4.06E-14	2.24E-15	4.45249E-14	3.148E-11	3.7244E-08	7.63653E-07	2.98072E-12	6.79605E-15	1.48777E-12	1.13071E-15
599	570750.6	4178679	0.55, 41786	0.59336	0.60818	0.55751	195.07014	97.11431	330.72411	27.40212	20.89244	45.57898	1.08E-08	6.42E-06	8.85E-07	3.34E-12	1.01E-11	7.97E-12	1.93E-15	4.66E-14	2.57E-15	5.10583E-14	3.61E-11	4.2821E-08	8.85277E-07	3.4181E-12	7.79327E-15	1.70608E-12	1.29662E-15
600	570790.6	4178679	0.55, 41786	0.71288	0.74367	0.61675	232.56486	100.08812	327.08033	29.70634	25.09865	40.88504	1.2E-08	6.35E-06	7.94E-07	3.7E-12	1.12E-11	8.82E-12	2.13E-15	5.15E-14	2.84E-15	5.64854E-14	3.994E-11	4.2349E-08	7.94134E-07	3.78142E-12	8.62163E-15	1.88743E-12	1.43444E-15
601	570830.6	4178679	0.55, 41786	0.82835	0.8948	0.66469	250.25968	113.32691	367.70207	36.36599	33.16876	46.21837	1.29E-08	7.14E-06	8.98E-07	3.98E-12	1.2E-11	9.5E-12	2.3E-15	5.55E-14	3.06E-15	6.08782E-14	4.304E-11	4.7609E-08	8.97741E-07	4.0755E-12	9.29214E-15	2.03421E-12	1.546E-15
602	570870.6	4178679	0.55, 41786	0.92801	1.04065	0.83445	269.45277	158.88347	492.55659	39.41339	35.15016	62.53118	1.62E-08	9.57E-06	1.21E-06	5E-12	1.51E-11	1.19E-11	2.89E-15	6.97E-14	3.85E-15	7.64242E-14	5.403E-11	6.3775E-08	1.21455E-06	5.11623E-12	1.1665E-14	2.55367E-12	1.94079E-15
603	570910.6	4178679	0.55, 41786	1.03394	1.13081	0.83809	259.70616	144.94226	471.11442	42.20689	35.5523	58.8893	1.63E-08	9.15E-06	1.14E-06	5.02E-12	1.52E-11	1.2E-11	2.9E-15	7E-14	3.86E-15	7.67598E-14	5.427E-11	6.0998E-08	1.14384E-06	5.13869E-12	1.17162E-14	2.56489E-12	1.94931E-15
604	570950.6	4178679	0.55, 41786	1.05684	1.13643	0.82319	242.80014	123.49716	418.67106	39.92153	30.15323	58.18912	1.6E-08	8.13E-06	1.13E-06	4.93E-12	1.49E-11	1.18E-11	2.85E-15	6.88E-14	3.8E-15	7.53958E-14	5.331E-11	5.4208E-08	1.13023E-06	5.04738E-12	1.1508E-14	2.51931E-12	1.91467E-15
605	570990.6	4178679	0.55, 41786	1.01802	1.09421	0.82722	255.86386	105.93706	407.98363	37.15781	26.85338	67.99727	1.61E-08	7.92E-06	1.32E-06	4.96E-12	1.5E-11	1.18E-11	2.86E-15	6.91E-14	3.81E-15	7.57637E-14	5.357E-11	5.2824E-08	1.32069E-06	5.07201E-12	1.15642E-14	2.5316E-12	1.92402E-15
606	571030.6	4178679	0.55, 41786	0.98373	1.03259	0.8073	224.24787	96.85684	406.17161	32.03518	21.71644	50.77145	1.57E-08	7.89E-06	9.86E-07	4.84E-12	1.46E-11	1.15E-11	2.79E-15	6.74E-14	3.72E-15	7.39385E-14	5.228E-11	5.2589E-08	9.86138E-07	4.94982E-12	1.12856E-14	2.47061E-12	1.87766E-15
607	571070.6	4178679	0.55, 41786	0.92088	0.95493	0.77727	234.21131	81.25508	306.97474	29.84103	18.74017	38.37184	1.51E-08	5.96E-06	7.45E-07	4.66E-12	1.41E-11	1.11E-11	2.69E-15	6.49E-14	3.58E-15	7.11871E-14	5.033E-11	3.9746E-08	7.45329E-07	4.76563E-12	1.08656E-14	2.37868E-12	1.8078E-15
608	571110.6	4178679	0.55, 41786	0.85296	0.87816	0.75636	249.82687	76.90023	376.11255	32.83771	18.41049	47.06858	1.47E-08	7.3E-06	9.14E-07	4.53E-12	1.37E-11	1.08E-11	2.62E-15	6.32E-14	3.49E-15	6.92708E-14	4.898E-11	4.8697E-08	9.14233E-07	4.63734E-12	1.05731E-14	2.31464E-12	1.75913E-15
609	571150.6	4178679	0.55, 41786	0.78449	0.80428	0.7091	184.12399	71.8753	265.86204	26.94504	17.68151	37.98029	1.38E-08	5.16E-06	7.38E-07	4.25E-12	1.28E-11	1.01E-11	2.45E-15	5.92E-14	3.27E-15	6.49421E-14	4.592E-11	3.4423E-08	7.3771E-07	4.34755E-12	9.91242E-15	2.17E-12	1.6492E-15
610	571190.6	4178679	0.55, 41786	0.70872	0.73542	0.64227	192.12547	69.23049	267.93218	27.25383	16.04767	37.1098	1.25E-08	5.2E-06	7.21E-07	3.85E-12	1.16E-11	9.18E-12	2.22E-15	5.36E-14	2.96E-15	5.88217E-14	4.159E-11	3.4691E-08	7.20807E-07	3.93782E-12	8.97823E-15	1.96549E-12	1.49377E-15
611	571230.6	4178679	0.55, 41786	0.64141	0.6715	0.58509	152.95792	62.82263	210.7281	21.78847	14.44714	29.62503	1.14E-08	4.09E-06	5.75E-07	3.51E-12	1.06E-11	8.37E-12	2.02E-15	4.89E-14	2.7E-15	5.35849E-14	3.789E-11	2.7284E-08	5.75426E-07	3.58725E-12	8.17892E-15	1.79051E-12	1.36079E-15
612	571270.6	4178679	0.55, 41786	0.5854	0.61191	0.54631	124.65244	57.66905	171.62004	20.54509	12.75642	28.60334	1.06E-08	3.33E-06	5.56E-07	3.27E-12	9.89E-12	7.81E-12	1.89E-15	4.56E-14	2.52E-15	5.00329E-14	3.537E-11	2.2221E-08	5.55578E-07	3.34946E-12	7.63676E-15	1.67182E-12	1.27058E-15
613	571310.6	4178679	0.55, 41786	0.53447	0.5582	0.50849	125.80787	55.1913	171.33448	17.97255	11.70277	24.47635	9.88E-09	3.33E-06	4.75E-07	3.05E-12	9.2E-12	7.27E-12	1.76E-15	4.25E-14	2.34E-15	4.65689E-14	3.293E-11	2.2184E-08	4.7542E-07	3.11756E-12	7.10804E-15	1.55608E-12	1.18262E-15
614	571350.6	4178679	0.55, 41786	0.48504	0.50906	0.46427	111.39997	53.56601	157.83086	13.925	11.19981	19.72886	9.02E-09	3.07E-06	3.83E-07	2.78E-12	8.4E-12	6.64E-12	1.61E-15	3.88E-14	2.14E-15	4.25191E-14	3.006E-11	2.0436E-08	3.83203E-07	2.84645E-12	6.4899E-15	1.42075E-12	1.07977E-15
615	571390.6	4178679	0.55, 41786	0.44312	0.4655	0.42576	107.51836	51.27371	117.14548	13.43979	10.40254	14.64318	8.27E-09	2.28E-06	2.84E-07	2.55E-12	7.71E-12	6.09E-12	1.47E-15	3.56E-14	1.96E-15	3.89922E-14	2.757E-11	1.5168E-08	2.84438E-07	2.61034E-12	5.95157E-15	1.3029E-12	9.90207E-16
616	571430.6	4178679	0.55, 41786	0.41031	0.42684	0.39928	122.12368	48.88835	136.65658	17.23844	9.36082	18.91196	7.76E-09	2.65E-06	3.67E-07	2.39E-12	7.23E-12	5.71E-12	1.38E-15	3.33E-14	1.84E-15	3.65669E-14	2.585E-11	1.7694E-08	3.67357E-07	2.44797E-12	5.58138E-15	1.22186E-12	9.28615E-16
617	571470.6	4178679	0.55, 41786	0.38401	0.39267	0.38101	130.83453	46.56818	169.29762	18.03085	8.50414	22.62935	7.4E-09	3.29E-06	4.4E-07	2.28E-12	6.9E-12	5.45E-12	1.32E-15	3.18E-14	1.76E-15	3.48933E-14	2.467E-11	2.192E-08	4.39552E-07	2.33594E-12	5.32594E-15	1.16594E-12	8.86116E-16
618	571510.6	4178679	0.55, 41786	0.35733	0.36026	0.36021	104.69184	43.30646	125.50481	14.57371	7.68103	16.95061	7E-09	2.44E-06	3.29E-07	2.16E-12	6.52E-12	5.15E-12	1.25E-15	3.01E-14	1.66E-15	3.29882E-14	2.332E-11	1.625E-08	3.29254E-07	2.2084E-12	5.03515E-15	1.10228E-12	8.37734E-16
619	571550.6	4178679	0.55, 41786	0.32923	0.33046	0.33426	93.91251	40.06683	115.0705	13.41607	6.60436	16.43864	6.49E-09	2.23E-06	3.19E-07	2E-12	6.05E-12	4.78E-12	1.16E-15	2.79E-14	1.54E-15	3.06116E-14	2.164E-11	1.4899E-08	3.19305E-07	2.0493E-12	4.67239E-15	1.02287E-12	7.7738E-16
620	571590.6	4178679	0.55, 41786	0.30119	0.30402	0.3057	90.51235	37.8645	108.48539	11.49242	5.95997	13.56067	5.94E-09	2.11E-06	2.63E-07	1.83E-12	5.53E-12	4.37E-12	1.06E-15	2.55E-14	1.41E-15	2.79961E-14	1.979E-11	1.4047E-08	2.63406E-07	1.8742E-12	4.27318E-15	9.35474E-13	7.1096E-16
621	570310.6	4178719	0.55, 41787	0.10285	0.08839	0.09803	86.08959	31.99227	98.88317	10.7612	4.57032	12.3604	1.9E-09	1.92E-06	2.4E-07	5.88E-13	1.77E-12	1.4E-12	3.39E-16	8.19E-15	4.52E-16	8.97743E-15	6.347E-12	1.2803E-08	2.40093E-07	6.00995E-13	1.37027E-15	2.99976E-13	2.27982E-16
622	570350.6	4178719	0.55, 41787	0.11563	0.10049	0.11012	90.6137	34.18211	105.82439	11.32671	4.88316	13.22805	2.14E-09	2.06E-06	2.57E-07	6.6E-13	1.99E-12	1.57E-12	3.81E-16	9.2E-15	5.08E-16	1.00846E-14	7.13E-12	1.3702E-08	2.56945E-07	6.75117E-13	1.53927E-15	3.36973E-13	2.56099E-16
623	570390.6	4178719	0.55, 41787	0.13114	0.11521	0.12472	102.01088	38.97546	110.90458	12.75136	5.08393	13.86307	2.42E-09	2.15E-06	2.69E-07	7.48E-13	2.26E-12	1.78E-12	4.31E-16	1.04E-14	5.75E-16	1.14217E-14	8.075E-12	1.436E-08	2.69285E-07	7.64628E-13	1.74335E-15	3.8165E-13	2.90054E-16
624	570430.6	4178719	0.55, 41787	0.15	0.13322	0.1425	114.28488	46.41789	135.81295	14.28561	5.80224	16.97662	2.77E-09	2.64E-06	3.3E-07	8.54E-13	2.58E-12	2.04E-12	4.93E-16	1.19E-14	6.57E-16	1.305E-14	9.227E-12	1.7585E-08	3.29757E-07	8.73635E-13	1.99189E-15	4.36059E-13	3.31405E-16
625	570470.6	4178719	0.55, 41787	0.17288	0.1553	0.16447	122.16306	52.59309	158.80652	15.27038	6.67803	19.85082	3.19E-09	3.08E-06	3.86E-07	9.86E-13	2.98E-12	2.35E-12	5.69E-16	1.37E-14	7.58E-16	1.50621E-14	1.065E-11	2.0562E-08	3.85579E-07	1.00833E-12	2.29899E-15	5.0329E-13	3.825E-16
626	570510.6	4178719	0.55, 41787	0.1999	0.18201	0.19124	126.87173	56.8638	170.00598	15.85897	8.56143	21.25075	3.71E-09	3.3E-06	4.13E-07	1.15E-12	3.46E-12	2.73E-12	6.61E-16	1.6E-14	8.82E-16	1.75137E-14	1.238E-11	2.2012E-08	4.12768E-07	1.17245E-12	2.67319E-15	5.85209E-13	4.44759E-16
627	570550.6	4178719	0.55, 41787	0.2328	0.21534	0.22528	141.7684	62.68438	190.3461	19.27806	10.36338	23.79326	4.38E-09	3.7E-06	4.62E-07	1.35E-12	4.08E-12	3.22E-12	7.79E-16	1.88E-14	1.04E-15	2.0631E-14	1.459E-11	2.4646E-08	4.62161E-07	1.38115E-12	3.14902E-15	6.89375E-13	5.23925E-16
628	570590.6	4178719	0.55, 41787	0.2704	0.25529	0.2651	152.6333	65.86327	220.26265	21.80476	11.76563	29.62209	5.15E-09	4.28E-06	5.75E-07	1.59E-12	4.8E-12	3.79E-12	9.17E-16	2.21E-14	1.22E-15	2.42778E-14	1.717E-11	2.8519E-08	5.75369E-07	1.62528E-12	3.70563E-15	8.11228E-13	6.16533E-16
629	570630.6	4178719	0.55, 41787	0.31352	0.30328	0.30884	160.25221	70.5161	243.59554	22.89317	12.52474	34.32359	6E-09	4.73E-06	6.67E-07	1.85E-12	5.59E-12	4.42E-12	1.07E-15	2.58E-14	1.42E-15	2.82836E-14	2E-11	3.154E-08	6.66676E-07	1.89345E-12	4.31706E-15	9.45081E-13	7.18261E-16
630	570670.6	4178719	0.55, 41787	0.36149	0.3594	0.35242	159.13882	79.23774	228.99362	22.73412	14.05012	31.24302	6.85E-09	4.45E-06	6.07E-07	2.11E-12	6.38E-12	5.04E-12	1.22E-15	2.94E-14	1.62E-15	3.2275E-14	2.282E-11	2.965E-08	6.06852E-07	2.16065E-12	4.92628E-15	1.07845E-12	8.19622E-16
631	570710.6	4178719	0.55, 41787	0.41184	0.42167	0.39325	168.39934	82.78202	268.08178	23.84947	15.22445	37.49142	7.64E-09	5.21E-06	7.28E-07	2.36E-12	7.12E-12	5.62E-12	1.36E-15	3.28E-14	1.81E-15	3.60147E-14	2.546E-11	3.471E-08	7.282E-07	2.41101E-12	5.4971E-15	1.20341E-12	9.14593E-16
632	570750.6	4178719	0.55, 41787	0.46631	0.48852	0.43046	193.26616	81.97611	266.60906	24.83922	16.78199	33.32613	8.36E-09	5.18E-06	6.47E-07	2.58E-12	7.79E-12	6.15E-12	1.49E-15	3.6E-14	1.98E-15	3.94231E-14	2.787E-11	3.452E-08	6.47316E-07	2.63919E-12	6.01734E-15	1.3173E-12	1.00115E-15
633	570790.6	4178719	0.55, 41787	0.5297	0.5627	0.45402	208.56721	92.88706	267.98327	26.09236	23.00092	33.50993	8.82E-09	5.2E-06	6.51E-07	2.72E-12	8.22E-12	6.49E-12	1.57E-15	3.79E-14	2.09E-15	4.1582E-14	2.94E-11	3.4698E-08	6.50892E-07	2.78371E-12	6.34686E-15	1.38944E-12	1.05597E-15
634	570830.6	4178719	0.55, 41787	0.58417	0.63922	0.49731	206.25232	102.59816	258.13483	28.9378	25.69667	32.26685	9.66E-09	5.01E-06	6.27E-07	2.98E-12	9E-12	7.11E-12	1.72E-15	4.15E-14	2.29E-15	4.55473E-14	3.22E-11	3.3423E-08	6.26767E-07	3.04917E-12	6.95211E-15	1.52194E-12	1.15667E-15
635	570870.6	4178719	0.55, 41787	0.63384	0.71183	0.60618	208.40577	136.85909	408.7133	28.70976	24.7437	51.08916	1.18E-08	7.94E-06	9.92E-07	3.63E-12	1.1E-11	8.67E-12	2.1E-15	5.06E-14	2.79E-15	5.55167E-14	3.925E-11	5.2919E-08	9.9229E-07	3.71657E-12	8.47378E-15	1.85506E-12	1.40985E-15
636	570910.6	4178719	0.55, 41787	0.68401	0.75343	0.58123	211.07044	124.31957	366.90455	30.70854	25.49482	45.86307	1.13E-08	7.13E-06	8.91E-07	3.48E-12	1.05E-11	8.31E-12	2.01E-15	4.85E-14	2.68E-15	5.32335E-14	3.764E-11	4.7506E-08	8.90811E-07	3.56372E-12	8.12528E-15	1.77877E-12	1.35186E-15
637	570950.6	4178719	0.55, 41787	0.69007	0.76497	0.57081	207.10313	108.18225	376.87466	30.79195	24.65468	47.10933	1.11E-08	7.32E-06	9.15E-07	3.42E-12	1.03E-11	8.16E-12	1.97E-15	4.77E-14	2.63E-15	5.22797E-14	3.696E-11	4.8796E-08	9.15014E-07	3.49987E-12	7.97971E-15	1.7469E-12	1.32764E-15
638	570990.6	4178719	0.55, 41787	0.68048	0.74999	0.58632	206.58356	95.47159	294.44278	32.17827	21.60129	36.80535	1.14E-08	5.72E-06	7.15E-07	3.51E-12	1.06E-11	8.38E-12	2.03E-15	4.9E-14	2.7E-15	5.36994E-14	3.797E-11	3.8124E-08	7.14921E-07	3.59491E-12	8.1964E-15	1.79434E-12	1.36369E-15
639	571030.6	4178719	0.55, 41787	0.66194	0.72353	0.59736	210.3532	86.11281	328.15995	30.372	18.42489	51.15716	1.16E-08	6.37E-06	9.94E-07	3.58E-12	1.08E-11	8.54E-12	2.07E-15	4.99E-14	2.75E-15	5.47095E-14	3.868E-11	4.2489E-08	9.93619E-07	3.66253E-12	8.35058E-15	1.82809E-12	1.38935E-15
640	571070.6	4178719	0.55, 41787	0.64029	0.68839	0.56269	181.70859	76.31707	252.84162	22.73215	15.52213	31.6052	1.09E-08	4.91E-06	6.14E-07	3.37E-12	1.02E-11	8.04E-12	1.95E-15	4.7E-14	2.59E-15	5.15345E-14	3.644E-11	3.2737E-08	6.13885E-07	3.44998E-12	7.86595E-15	1.72199E-12	1.30872E-15
641	571110.6	4178719	0.55, 41787	0.60626	0.64543	0.53034	207.95149	70.27092	268.27126	26.16426	14.32632	33.53391	1.03E-08	5.21E-06	6.51E-07	3.18E-12	9.6E-12	7.58E-12	1.83E-15	4.43E-14	2.44E-15	4.85716E-14	3.434E-11	3.4735E-08	6.51358E-07	3.25163E-12	7.41371E-15	1.62299E-12	1.23347E-15
642	571150.6	4178719	0.55, 41787	0.57256	0.60327	0.52806	200.64391	66.12781	289.68563	25.68735	14.52342	36.23202	1.03E-08	5.63E-06	7.04E-07	3.17E-12	9.56E-12	7.55E-12	1.83E-15	4.41E-14	2.43E-15	4.83618E-14	3.419E-11	3.7507E-08	7.03752E-07	3.23759E-12	7.38169E-15	1.61598E-12	1.22815E-15
643	571190.6	4178719	0.55, 41787	0.53842	0.56251	0.50995	154.3512	63.9477	213.38711	22.19645	14.00077	30.48387	9.91E-09	4.14E-06	5.92E-07	3.06E-12	9.23E-12	7.29E-12	1.76E-15	4.26E-14	2.35E-15	4.67027E-14	3.302E-11	2.7629E-08	5.92106E-07	3.12652E-12	7.12846E-15	1.56055E-12	1.18601E-15
644	571230.6	4178719	0.55, 41787	0.49735	0.52247	0.4676	159.72675	60.41971	199.28282	22.34048	12.75874	27.30767	9.08E-09	3.87E-06	5.3E-07	2.8E-12	8.46E-12	6.69E-12	1.62E-15	3.91E-14	2.16E-15	4.28243E-14	3.028E-11	2.5803E-08	5.30426E-07	2.86688E-12	6.53649E-15	1.43095E-12	1.08752E-15
645	571270.6	4178719	0.55, 41787	0.45612	0.4836	0.42898	144.14128	55.22387	195.55309	20.17616	11.51496	26.9261	8.33E-09	3.8E-06	5.23E-07	2.57E-12	7.76E-12	6.13E-12	1.48E-15	3.58E-14	1.98E-15	3.92875E-14	2.778E-11	2.532E-08	5.23005E-07	2.63011E-12	5.99664E-15	1.31277E-12	9.97705E-16
646	571310.6	4178719	0.55, 41787	0.42006	0.44717	0.39945	118.44349	52.26024	154.81704	17.97136	10.56882	25.80284	7.76E-09	3.01E-06	5.01E-07	2.39E-12	7.23E-12	5.71E-12	1.38E-15	3.34E-14	1.84E-15	3.6583E-14	2.587E-11	2.0045E-08	5.0118E-07	2.44905E-12	5.58383E-15	1.2224E-12	9.29023E-16
647	571350.6	4178719	0.55, 41787	0.38785	0.41385	0.37184	109.17018	50.24459	147.83356	14.07795	10.0186	18.4792	7.22E-09	2.87E-06	3.59E-07	2.23E-12	6.73E-12	5.32E-12	1.29E-15	3.11E-14	1.71E-15	3.40543E-14	2.408E-11	1.9141E-08	3.58936E-07	2.27977E-12	5.19787E-15	1.1379E-12	8.64807E-16
648	571390.6	4178719	0.55, 41787	0.35875	0.38356	0.34391	87.70597	48.80309	113.13015	10.96325	9.64341	14.14127	6.68E-09	2.2E-06	2.75E-07	2.06E-12	6.22E-12	4.92E-12	1.19E-15	2.87E-14	1.59E-15	3.14964E-14	2.227E-11	1.4648E-08	2.74678E-07	2.10853E-12	4.80744E-15	1.05243E-12	7.9985E-16
649	571430.6	4178719	0.55, 41787	0.33385	0.35563	0.32061	80.9107	47.09106	69.47289	11.59229	8.99084	10.76512	6.23E-09	1.35E-06	2.09E-07	1.92E-12	5.8E-12	4.58E-12	1.11E-15	2.68E-14	1.48E-15	2.93624E-14	2.076E-11	8.9961E-09	2.09117E-07	1.96567E-12	4.48173E-15	9.81129E-13	7.45658E-16
650	571470.6	4178719	0.55, 41787	0.31507	0.33052	0.30587	111.40642	45.19171	126.48359	15.57659	8.16367	17.53078	5.94E-09	2.46E-06	3.41E-07	1.83E-12	5.54E-12	4.37E-12	1.06E-15	2.55E-14	1.41E-15	2.80123E-14	1.981E-11	1.6377E-08	3.40526E-07	1.87529E-12	4.27565E-15	9.36015E-13	7.11372E-16
651	571510.6	4178719	0.55, 41787	0.29891	0.30701	0.29518	116.70467	43.07153	146.87884	15.95519	7.46065	19.6972	5.73E-09	2.85E-06	3.83E-07	1.77E-12	5.34E-12	4.22E-12	1.02E-15	2.47E-14	1.36E-15	2.7033E-14	1.911E-11	1.9017E-08	3.82599E-07	1.80973E-12	4.12618E-15	9.03293E-13	6.86502E-16
652	571550.6	4178719	0.55, 41787	0.28299	0.28542	0.28355	93.20798	40.2806	109.70993	12.81909	6.80365	14.78577	5.51E-09	2.13E-06	2.87E-07	1.7E-12	5.13E-12	4.05E-12	9.8E-16	2.37E-14	1.31E-15	2.59677E-14	1.836E-11	1.4205E-08	2.87204E-07	1.73841E-12	3.96357E-15	8.67696E-13	6.59449E-16
653	571590.6	4178719	0.55, 41787	0.2649	0.26495	0.26753	84.18961	37.57199	100.50298	12.02709	5.93847	14.35757	5.2E-09	1.95E-06	2.79E-07	1.6E-12	4.84E-12	3.82E-12	9.25E-16	2.23E-14	1.23E-15	2.45005E-14	1.732E-11	1.3013E-08	2.78884E-07	1.64019E-12	3.73962E-15	8.18669E-13	6.22188E-16
654	570310.6	4178759	0.55, 41787	0.10291	0.08971	0.0989	86.89901	32.22927	93.76167	10.86238	4.40505	11.72021	1.92E-09	1.82E-06	2.28E-07	5.93E-13	1.79E-12	1.41E-12	3.42E-16	8.26E-15	4.56E-16	9.05711E-15	6.404E-12	1.214E-08	2.27661E-07	6.06329E-13	1.38243E-15	3.02638E-13	2.30005E-16
655	570350.6	4178759	0.55, 41787	0.11544	0.10167	0.11074	97.89636	38.6649	111.66772	12.23704	4.83061	13.95846	2.15E-09	2.17E-06	2.71E-07	6.64E-13	2E-12	1.58E-12	3.83E-16	9.25E-15	5.1E-16	1.01414E-14	7.17E-12	1.4459E-08	2.71135E-07	6.78919E-13	1.54794E-15	3.3887E-13	2.57541E-16
656	570390.6	4178759	0.55, 41787	0.13027	0.11595	0.12485	105.67733	44.34348	129.76492	13.20967	5.54293	16.22061	2.43E-09	2.52E-06	3.15E-07	7.48E-13	2.26E-12	1.78E-12	4.32E-16	1.04E-14	5.76E-16	1.14336E-14	8.084E-12	1.6802E-08	3.1507E-07	7.65426E-13	1.74517E-15	3.82048E-13	2.90357E-16
657	570430.6	4178759	0.55, 41787	0.14773	0.133	0.14184	109.21499	48.49986	141.11126	13.65187	6.24447	17.63891	2.76E-09	2.74E-06	3.43E-07	8.5E-13	2.57E-12	2.03E-12	4.9E-16	1.18E-14	6.54E-16	1.29896E-14	9.184E-12	1.8271E-08	3.42615E-07	8.69589E-13	1.98266E-15	4.3404E-13	3.2987E-16
658	570470.6	4178759	0.55, 41787	0.16767	0.15301	0.16202	117.79795	52.53636	140.35154	14.72474	7.71399	17.54394	3.15E-09	2.73E-06	3.41E-07	9.71E-13	2.93E-12	2.32E-12	5.6E-16	1.35E-14	7.47E-16	1.48377E-14	1.049E-11	1.8173E-08	3.40777E-07	9.9331E-13	2.26475E-15	4.95793E-13	3.76802E-16
659	570510.6	4178759	0.55, 41787	0.191	0.17712	0.1864	128.29828	56.17436	171.94141	17.6792	9.03197	21.49268	3.62E-09	3.34E-06	4.17E-07	1.12E-12	3.37E-12	2.66E-12	6.44E-16	1.56E-14	8.59E-16	1.70704E-14	1.207E-11	2.2263E-08	4.17476E-07	1.14278E-12	2.60554E-15	5.70398E-13	4.33502E-16
660	570550.6	4178759	0.55, 41787	0.21672	0.20498	0.21341	137.63049	58.52483	184.29573	19.6615	9.95092	26.17497	4.15E-09	3.58E-06	5.08E-07	1.28E-12	3.86E-12	3.05E-12	7.38E-16	1.78E-14	9.84E-16	1.9544E-14	1.382E-11	2.3862E-08	5.08415E-07	1.30838E-12	2.9831E-15	6.53052E-13	4.9632E-16
661	570590.6	4178759	0.55, 41787	0.24504	0.23724	0.24166	142.23889	62.68425	205.21483	20.31984	10.25836	28.57469	4.69E-09	3.99E-06	5.55E-07	1.45E-12	4.37E-12	3.45E-12	8.36E-16	2.02E-14	1.11E-15	2.21312E-14	1.565E-11	2.6571E-08	5.55021E-07	1.48158E-12	3.378E-15	7.39503E-13	5.62022E-16
662	570630.6	4178759	0.55, 41787	0.27554	0.27375	0.26892	139.19636	70.02218	188.40794	19.61007	11.07526	25.7042	5.22E-09	3.66E-06	4.99E-07	1.61E-12	4.87E-12	3.84E-12	9.3E-16	2.25E-14	1.24E-15	2.46279E-14	1.741E-11	2.4395E-08	4.99273E-07	1.64872E-12	3.75908E-15	8.22929E-13	6.25426E-16
663	570670.6	4178759	0.55, 41787	0.30614	0.31293	0.29402	149.31547	72.47289	221.2081	21.10931	12.07881	31.37185	5.71E-09	4.3E-06	6.09E-07	1.76E-12	5.32E-12	4.2E-12	1.02E-15	2.46E-14	1.36E-15	2.69269E-14	1.904E-11	2.8642E-08	6.09345E-07	1.80263E-12	4.10999E-15	8.99749E-13	6.83809E-16
664	570710.6	4178759	0.55, 41787	0.33494	0.35231	0.31792	164.794	71.08708	213.69891	21.55176	13.08376	26.71236	6.18E-09	4.15E-06	5.19E-07	1.91E-12	5.75E-12	4.55E-12	1.1E-15	2.66E-14	1.47E-15	2.91161E-14	2.059E-11	2.7669E-08	5.18861E-07	1.94918E-12	4.44413E-15	9.72898E-13	7.39402E-16
665	570750.6	4178759	0.55, 41787	0.36674	0.3924	0.33661	179.38877	78.60477	216.64393	22.4236	16.36841	27.08049	6.54E-09	4.21E-06	5.26E-07	2.02E-12	6.09E-12	4.81E-12	1.16E-15	2.81E-14	1.55E-15	3.08282E-14	2.18E-11	2.8051E-08	5.26015E-07	2.0638E-12	4.70546E-15	1.03011E-12	7.82882E-16
666	570790.6	4178759	0.55, 41787	0.40357	0.43625	0.34677	166.36606	82.34558	242.62848	21.7564	19.87746	30.35713	6.74E-09	4.71E-06	5.9E-07	2.08E-12	6.28E-12	4.96E-12	1.2E-15	2.9E-14	1.6E-15	3.17595E-14	2.245E-11	3.1415E-08	5.89643E-07	2.12614E-12	4.84761E-15	1.06123E-12	8.06532E-16
667	570830.6	4178759	0.55, 41787	0.43354	0.48203	0.39259	188.6599	98.62945	246.30784	24.95504	19.43466	30.78848	7.63E-09	4.78E-06	5.98E-07	2.35E-12	7.11E-12	5.61E-12	1.36E-15	3.28E-14	1.81E-15	3.59557E-14	2.542E-11	3.1892E-08	5.98037E-07	2.40706E-12	5.48809E-15	1.20144E-12	9.13094E-16
668	570870.6	4178759	0.55, 41787	0.46387	0.52331	0.45582	172.12292	120.25167	329.63715	21.51536	18.67269	41.20464	8.85E-09	6.4E-06	8E-07	2.73E-12	8.25E-12	6.52E-12	1.58E-15	3.81E-14	2.1E-15	4.17458E-14	2.952E-11	4.2681E-08	8.00297E-07	2.79467E-12	6.37186E-15	1.39491E-12	1.06013E-15
669	570910.6	4178759	0.55, 41787	0.49085	0.54778	0.42691	176.15826	108.72169	296.15879	23.43896	19.655	37.01985	8.29E-09	5.75E-06	7.19E-07	2.56E-12	7.73E-12	6.1E-12	1.48E-15	3.57E-14	1.97E-15	3.90995E-14	2.764E-11	3.8346E-08	7.1904E-07	2.61752E-12	5.96795E-15	1.30649E-12	9.92931E-16
670	570950.6	4178759	0.55, 41787	0.48762	0.55475	0.41816	180.46301	97.04885	324.78811	24.36206	20.46933	40.59851	8.12E-09	6.31E-06	7.89E-07	2.51E-12	7.57E-12	5.98E-12	1.45E-15	3.49E-14	1.93E-15	3.82986E-14	2.708E-11	4.2052E-08	7.88541E-07	2.5639E-12	5.84569E-15	1.27972E-12	9.72591E-16
671	570990.6	4178759	0.55, 41787	0.49051	0.55159	0.43765	151.23194	87.28492	222.11928	25.20532	17.38113	28.62893	8.5E-09	4.31E-06	5.56E-07	2.62E-12	7.92E-12	6.26E-12	1.51E-15	3.66E-14	2.02E-15	4.00829E-14	2.834E-11	2.876E-08	5.561E-07	2.68335E-12	6.11805E-15	1.33935E-12	1.0179E-15
672	571030.6	4178759	0.55, 41787	0.48428	0.53663	0.45626	187.58168	78.86438	272.43541	28.06386	15.68835	45.4059	8.86E-09	5.29E-06	8.82E-07	2.74E-12	8.26E-12	6.52E-12	1.58E-15	3.81E-14	2.1E-15	4.17864E-14	2.954E-11	3.5274E-08	8.81919E-07	2.79739E-12	6.37806E-15	1.39627E-12	1.06116E-15
673	571070.6	4178759	0.55, 41787	0.467	0.51625	0.43604	163.79974	72.83551	258.94072	22.54296	13.46245	32.36759	8.47E-09	5.03E-06	6.29E-07	2.61E-12	7.89E-12	6.23E-12	1.51E-15	3.64E-14	2.01E-15	3.99346E-14	2.823E-11	3.3527E-08	6.2869E-07	2.67343E-12	6.09542E-15	1.33439E-12	1.01414E-15
674	571110.6	4178759	0.55, 41787	0.44755	0.4933	0.39624	157.0432	65.36033	149.25903	19.63651	11.35189	22.10234	7.7E-09	2.9E-06	4.29E-07	2.38E-12	7.17E-12	5.67E-12	1.37E-15	3.31E-14	1.83E-15	3.62902E-14	2.566E-11	1.9326E-08	4.29326E-07	2.42945E-12	5.53914E-15	1.21262E-12	9.21588E-16
675	571150.6	4178759	0.55, 41787	0.4302	0.46818	0.38775	183.98767	62.14189	232.46693	23.05685	11.54043	29.05837	7.53E-09	4.51E-06	5.64E-07	2.32E-12	7.02E-12	5.54E-12	1.34E-15	3.24E-14	1.79E-15	3.55123E-14	2.511E-11	3.0099E-08	5.64428E-07	2.37737E-12	5.42041E-15	1.18662E-12	9.01833E-16
676	571190.6	4178759	0.55, 41787	0.41561	0.44245	0.39452	166.33485	59.4631	232.20811	21.02615	11.70076	29.03347	7.66E-09	4.51E-06	5.64E-07	2.36E-12	7.14E-12	5.64E-12	1.36E-15	3.29E-14	1.82E-15	3.61315E-14	2.555E-11	3.0065E-08	5.63934E-07	2.41882E-12	5.51492E-15	1.20731E-12	9.17558E-16
677	571230.6	4178759	0.55, 41787	0.39577	0.41616	0.38297	133.04594	57.55284	174.38403	19.00656	11.25795	24.912	7.44E-09	3.39E-06	4.84E-07	2.3E-12	6.93E-12	5.48E-12	1.32E-15	3.2E-14	1.77E-15	3.50734E-14	2.48E-11	2.2579E-08	4.83885E-07	2.34799E-12	5.35342E-15	1.17196E-12	8.90687E-16
678	571270.6	4178759	0.55, 41787	0.36933	0.38979	0.3568	133.93343	52.76944	163.09994	18.49966	10.32502	20.38749	6.93E-09	3.17E-06	3.96E-07	2.14E-12	6.46E-12	5.1E-12	1.23E-15	2.98E-14	1.64E-15	3.26767E-14	2.31E-11	2.1118E-08	3.96018E-07	2.18754E-12	4.9876E-15	1.09187E-12	8.29824E-16
679	571310.6	4178759	0.55, 41787	0.3411	0.36413	0.32902	131.1619	50.25063	168.23883	18.11843	9.56125	22.87944	6.39E-09	3.27E-06	4.44E-07	1.97E-12	5.96E-12	4.7E-12	1.14E-15	2.75E-14	1.52E-15	3.01326E-14	2.13E-11	2.1783E-08	4.44409E-07	2.01723E-12	4.59929E-15	1.00686E-12	7.65217E-16
680	571350.6	4178759	0.55, 41787	0.31543	0.34037	0.30452	103.20737	47.94128	136.71003	14.62528	9.08266	18.8743	5.92E-09	2.66E-06	3.67E-07	1.83E-12	5.51E-12	4.35E-12	1.05E-15	2.54E-14	1.4E-15	2.78889E-14	1.972E-11	1.7701E-08	3.66611E-07	1.86703E-12	4.25682E-15	9.31893E-13	7.08238E-16
681	571390.6	4178759	0.55, 41787	0.29206	0.31801	0.28181	95.20975	46.26011	128.00267	11.90122	8.7596	16.00033	5.47E-09	2.49E-06	3.11E-07	1.69E-12	5.1E-12	4.03E-12	9.74E-16	2.35E-14	1.3E-15	2.58091E-14	1.825E-11	1.6574E-08	3.10785E-07	1.7278E-12	3.93937E-15	8.62398E-13	6.55422E-16
682	571430.6	4178759	0.55, 41787	0.27184	0.29676	0.26169	65.82255	44.97926	77.28464	8.48847	8.42183	11.06277	5.08E-09	1.5E-06	2.15E-07	1.57E-12	4.74E-12	3.74E-12	9.05E-16	2.19E-14	1.21E-15	2.39665E-14	1.695E-11	1.0007E-08	2.14881E-07	1.60444E-12	3.65812E-15	8.00828E-13	6.08629E-16
683	571470.6	4178759	0.55, 41787	0.25781	0.27877	0.24855	74.19853	43.62462	66.74746	10.92817	7.8818	10.16339	4.83E-09	1.3E-06	1.97E-07	1.49E-12	4.5E-12	3.55E-12	8.59E-16	2.08E-14	1.15E-15	2.2763E-14	1.609E-11	8.6431E-09	1.97428E-07	1.52387E-12	3.47443E-15	7.60614E-13	5.78067E-16
684	571510.6	4178759	0.55, 41787	0.24715	0.26193	0.24035	102.14842	42.0514	116.58455	14.2101	7.23025	16.16505	4.67E-09	2.26E-06	3.14E-07	1.44E-12	4.35E-12	3.44E-12	8.31E-16	2.01E-14	1.11E-15	2.20119E-14	1.556E-11	1.5095E-08	3.13996E-07	1.47359E-12	3.35978E-15	7.35514E-13	5.58991E-16
685	571550.6	4178759	0.55, 41787	0.23772	0.24585	0.23427	104.82233	40.15762	128.89855	14.31586	6.66643	17.41071	4.55E-09	2.5E-06	3.38E-07	1.4E-12	4.24E-12	3.35E-12	8.1E-16	1.96E-14	1.08E-15	2.14548E-14	1.517E-11	1.6689E-08	3.38187E-07	1.4363E-12	3.27475E-15	7.16901E-13	5.44845E-16
686	571590.6	4178759	0.55, 41787	0.22808	0.23097	0.22747	83.60184	37.747	96.99907	11.46846	6.12919	13.15855	4.42E-09	1.88E-06	2.56E-07	1.36E-12	4.12E-12	3.25E-12	7.86E-16	1.9E-14	1.05E-15	2.08319E-14	1.473E-11	1.2559E-08	2.55596E-07	1.39459E-12	3.17967E-15	6.96086E-13	5.29025E-16
687	570310.6	4178799	0.55, 41787	0.10253	0.09048	0.09887	92.22772	37.68456	108.42661	11.52846	4.71057	13.55333	1.92E-09	2.11E-06	2.63E-07	5.93E-13	1.79E-12	1.41E-12	3.42E-16	8.26E-15	4.56E-16	9.05438E-15	6.402E-12	1.4039E-08	2.63263E-07	6.06146E-13	1.38201E-15	3.02547E-13	2.29936E-16
688	570350.6	4178799	0.55, 41787	0.11434	0.10195	0.11024	96.42289	41.82094	119.06345	12.05286	5.22762	14.88293	2.14E-09	2.31E-06	2.89E-07	6.61E-13	2E-12	1.58E-12	3.81E-16	9.21E-15	5.08E-16	1.00957E-14	7.138E-12	1.5416E-08	2.89087E-07	6.75855E-13	1.54095E-15	3.37341E-13	2.56379E-16
689	570390.6	4178799	0.55, 41787	0.12785	0.11532	0.12365	96.70849	44.28794	121.57528	12.08856	5.83168	15.19691	2.4E-09	2.36E-06	2.95E-07	7.41E-13	2.24E-12	1.77E-12	4.27E-16	1.03E-14	5.7E-16	1.13237E-14	8.006E-12	1.5741E-08	2.95184E-07	7.58069E-13	1.7284E-15	3.78377E-13	2.87566E-16
690	570430.6	4178799	0.55, 41787	0.14288	0.13064	0.13911	109.4746	48.39009	132.26529	13.83026	6.97525	16.53316	2.7E-09	2.57E-06	3.21E-07	8.34E-13	2.52E-12	1.99E-12	4.81E-16	1.16E-14	6.41E-16	1.27396E-14	9.007E-12	1.7126E-08	3.21143E-07	8.52852E-13	1.9445E-15	4.25686E-13	3.23521E-16
691	570470.6	4178799	0.55, 41787	0.15993	0.14857	0.15692	116.3647	50.80214	153.38363	16.31235	7.92735	19.17295	3.05E-09	2.98E-06	3.72E-07	9.41E-13	2.84E-12	2.24E-12	5.43E-16	1.31E-14	7.23E-16	1.43706E-14	1.016E-11	1.986E-08	3.7242E-07	9.62043E-13	2.19346E-15	4.80186E-13	3.64942E-16
692	570510.6	4178799	0.55, 41787	0.17816	0.16871	0.17591	124.77861	52.11481	162.22151	17.82552	8.49382	23.1745	3.42E-09	3.15E-06	4.5E-07	1.05E-12	3.18E-12	2.51E-12	6.08E-16	1.47E-14	8.11E-16	1.61098E-14	1.139E-11	2.1004E-08	4.50137E-07	1.07847E-12	2.45891E-15	5.38299E-13	4.09107E-16
693	570550.6	4178799	0.55, 41787	0.19752	0.19131	0.19507	126.89522	56.18657	175.78093	18.12789	8.51005	24.21863	3.79E-09	3.41E-06	4.7E-07	1.17E-12	3.53E-12	2.79E-12	6.74E-16	1.63E-14	8.99E-16	1.78645E-14	1.263E-11	2.276E-08	4.70416E-07	1.19594E-12	2.72675E-15	5.96933E-13	4.53669E-16
694	570590.6	4178799	0.55, 41787	0.21773	0.21627	0.21308	122.68072	62.5324	158.46837	17.14296	9.80776	21.67538	4.14E-09	3.08E-06	4.21E-07	1.28E-12	3.86E-12	3.05E-12	7.37E-16	1.78E-14	9.82E-16	1.95141E-14	1.38E-11	2.0519E-08	4.21021E-07	1.30637E-12	2.97852E-15	6.52051E-13	4.95559E-16
695	570630.6	4178799	0.55, 41787	0.23771	0.24268	0.22932	133.9153	64.36556	188.20796	18.95021	10.72759	26.70167	4.45E-09	3.66E-06	5.19E-07	1.37E-12	4.15E-12	3.28E-12	7.93E-16	1.92E-14	1.06E-15	2.10016E-14	1.485E-11	2.4369E-08	5.1864E-07	1.40595E-12	3.20557E-15	7.01755E-13	5.33334E-16
696	570670.6	4178799	0.55, 41787	0.25595	0.26895	0.24514	141.94782	63.09907	182.20008	19.13844	10.57117	23.96944	4.76E-09	3.54E-06	4.66E-07	1.47E-12	4.44E-12	3.5E-12	8.48E-16	2.05E-14	1.13E-15	2.24506E-14	1.587E-11	2.3591E-08	4.65582E-07	1.50296E-12	3.42674E-15	7.50174E-13	5.70132E-16
697	570710.6	4178799	0.55, 41787	0.27273	0.29382	0.2595	157.12572	66.69563	192.86918	19.64072	11.93189	24.10865	5.04E-09	3.75E-06	4.68E-07	1.56E-12	4.7E-12	3.71E-12	8.97E-16	2.17E-14	1.2E-15	2.37659E-14	1.68E-11	2.4972E-08	4.68288E-07	1.59101E-12	3.62751E-15	7.94126E-13	6.03535E-16
698	570750.6	4178799	0.55, 41787	0.29355	0.31916	0.26739	152.65771	72.44297	180.42039	19.08221	15.18472	22.55534	5.19E-09	3.5E-06	4.38E-07	1.6E-12	4.84E-12	3.82E-12	9.25E-16	2.23E-14	1.23E-15	2.44889E-14	1.731E-11	2.3361E-08	4.3812E-07	1.63941E-12	3.73786E-15	8.18284E-13	6.21896E-16
699	570790.6	4178799	0.55, 41787	0.31688	0.34759	0.27611	157.73005	72.26845	195.86787	20.13646	16.34526	24.48348	5.36E-09	3.8E-06	4.76E-07	1.66E-12	5E-12	3.95E-12	9.55E-16	2.31E-14	1.27E-15	2.5288E-14	1.788E-11	2.5361E-08	4.7557E-07	1.69291E-12	3.85983E-15	8.44984E-13	6.42188E-16
700	570830.6	4178799	0.55, 41787	0.33524	0.37796	0.31984	162.23746	94.66133	234.71664	21.09567	14.73083	29.33958	6.21E-09	4.56E-06	5.7E-07	1.92E-12	5.79E-12	4.57E-12	1.11E-15	2.67E-14	1.47E-15	2.92925E-14	2.071E-11	3.0391E-08	5.69879E-07	1.96099E-12	4.47105E-15	9.78791E-13	7.43881E-16
701	570870.6	4178799	0.55, 41787	0.35595	0.40358	0.35265	158.80625	107.46352	263.60655	19.85078	16.70272	32.95082	6.85E-09	5.12E-06	6.4E-07	2.11E-12	6.38E-12	5.04E-12	1.22E-15	2.95E-14	1.63E-15	3.2297E-14	2.283E-11	3.4132E-08	6.40001E-07	2.16213E-12	4.92965E-15	1.07919E-12	8.20182E-16
702	570910.6	4178799	0.55, 41787	0.3676	0.41723	0.32417	150.41188	96.98395	247.06251	18.80149	15.72408	30.88281	6.3E-09	4.8E-06	6E-07	1.94E-12	5.87E-12	4.63E-12	1.12E-15	2.71E-14	1.49E-15	2.96899E-14	2.099E-11	3.199E-08	5.99836E-07	1.98759E-12	4.53171E-15	9.9207E-13	7.53973E-16
703	570950.6	4178799	0.55, 41787	0.34637	0.40141	0.30552	159.46188	87.41269	275.63404	19.93273	16.48069	34.45425	5.94E-09	5.35E-06	6.69E-07	1.83E-12	5.53E-12	4.37E-12	1.06E-15	2.55E-14	1.41E-15	2.79819E-14	1.978E-11	3.5688E-08	6.69198E-07	1.87325E-12	4.27102E-15	9.35001E-13	7.106E-16
704	570990.6	4178799	0.55, 41787	0.35579	0.40756	0.32647	119.48057	79.68844	146.33228	17.5796	14.60553	25.33485	6.34E-09	2.84E-06	4.92E-07	1.96E-12	5.91E-12	4.67E-12	1.13E-15	2.73E-14	1.51E-15	2.99002E-14	2.114E-11	1.8948E-08	4.92089E-07	2.00167E-12	4.56381E-15	9.99098E-13	7.59314E-16
705	571030.6	4178799	0.55, 41787	0.37225	0.416	0.35619	155.14917	72.93395	196.55996	24.86673	12.948	30.87431	6.92E-09	3.82E-06	6E-07	2.14E-12	6.45E-12	5.09E-12	1.23E-15	2.97E-14	1.64E-15	3.26214E-14	2.306E-11	2.545E-08	5.99703E-07	2.18385E-12	4.97917E-15	1.09003E-12	8.28421E-16
706	571070.6	4178799	0.55, 41787	0.3594	0.40135	0.34666	158.59146	67.81733	220.83512	22.65592	11.74555	33.70367	6.73E-09	4.29E-06	6.55E-07	2.08E-12	6.27E-12	4.96E-12	1.2E-15	2.9E-14	1.6E-15	3.17486E-14	2.245E-11	2.8593E-08	6.54636E-07	2.12541E-12	4.84594E-15	1.06086E-12	8.06254E-16
707	571110.6	4178799	0.55, 41787	0.34191	0.38638	0.31575	133.9595	62.41991	198.12185	16.74494	10.40332	24.76523	6.13E-09	3.85E-06	4.81E-07	1.89E-12	5.72E-12	4.51E-12	1.09E-15	2.64E-14	1.46E-15	2.89182E-14	2.045E-11	2.5652E-08	4.81023E-07	1.93593E-12	4.41392E-15	9.66285E-13	7.34377E-16
708	571150.6	4178799	0.55, 41787	0.32926	0.37153	0.29721	140.52662	58.47073	122.49716	17.56829	9.74512	16.40698	5.77E-09	2.38E-06	3.19E-07	1.78E-12	5.38E-12	4.25E-12	1.03E-15	2.48E-14	1.37E-15	2.72204E-14	1.925E-11	1.5861E-08	3.18713E-07	1.82227E-12	4.15478E-15	9.09554E-13	6.91261E-16
709	571190.6	4178799	0.55, 41787	0.32393	0.35615	0.30055	162.80337	55.99612	201.90064	20.37225	9.46414	25.23758	5.84E-09	3.92E-06	4.9E-07	1.8E-12	5.44E-12	4.3E-12	1.04E-15	2.51E-14	1.39E-15	2.75258E-14	1.946E-11	2.6141E-08	4.90215E-07	1.84272E-12	4.2014E-15	9.1976E-13	6.99018E-16
710	571230.6	4178799	0.55, 41787	0.31732	0.33876	0.30501	141.0743	54.42569	191.70239	17.72831	9.52966	23.96639	5.93E-09	3.72E-06	4.66E-07	1.83E-12	5.52E-12	4.36E-12	1.05E-15	2.55E-14	1.41E-15	2.79338E-14	1.975E-11	2.4821E-08	4.65515E-07	1.87003E-12	4.26366E-15	9.33391E-13	7.09377E-16
711	571270.6	4178799	0.55, 41787	0.30415	0.32027	0.29829	116.54381	51.24633	144.90939	16.64912	9.13765	20.70134	5.79E-09	2.81E-06	4.02E-07	1.79E-12	5.4E-12	4.26E-12	1.03E-15	2.49E-14	1.38E-15	2.73181E-14	1.931E-11	1.8763E-08	4.02103E-07	1.82881E-12	4.16969E-15	9.12817E-13	6.93741E-16
712	571310.6	4178799	0.55, 41787	0.28608	0.30211	0.28212	111.77517	48.08718	136.31939	15.28029	8.60329	17.73191	5.48E-09	2.65E-06	3.44E-07	1.69E-12	5.11E-12	4.03E-12	9.75E-16	2.36E-14	1.3E-15	2.58371E-14	1.827E-11	1.765E-08	3.4443E-07	1.72967E-12	3.94365E-15	8.63334E-13	6.56134E-16
713	571350.6	4178799	0.55, 41787	0.26522	0.28423	0.2608	116.94553	46.1941	139.01017	15.97517	8.23917	19.97796	5.07E-09	2.7E-06	3.88E-07	1.56E-12	4.72E-12	3.73E-12	9.02E-16	2.18E-14	1.2E-15	2.38847E-14	1.689E-11	1.7999E-08	3.88051E-07	1.59897E-12	3.64564E-15	7.98095E-13	6.06552E-16
714	571390.6	4178799	0.55, 41787	0.24309	0.26586	0.23735	101.64822	44.37475	130.479	13.96186	7.97488	17.70328	4.61E-09	2.53E-06	3.44E-07	1.42E-12	4.3E-12	3.39E-12	8.21E-16	1.98E-14	1.09E-15	2.17373E-14	1.537E-11	1.6894E-08	3.43867E-07	1.4552E-12	3.31787E-15	7.26339E-13	5.52018E-16
715	571430.6	4178799	0.55, 41787	0.22645	0.25105	0.21957	78.66707	42.96369	101.00422	10.22882	7.75525	13.14754	4.27E-09	1.96E-06	2.55E-07	1.32E-12	3.97E-12	3.14E-12	7.59E-16	1.83E-14	1.01E-15	2.01091E-14	1.422E-11	1.3078E-08	2.55376E-07	1.3462E-12	3.06934E-15	6.71933E-13	5.10669E-16
716	571470.6	4178799	0.55, 41787	0.21325	0.23694	0.20607	47.64153	41.84289	57.10773	7.70461	7.45296	10.06314	4E-09	1.11E-06	1.95E-07	1.24E-12	3.73E-12	2.95E-12	7.12E-16	1.72E-14	9.5E-16	1.88727E-14	1.334E-11	7.3949E-09	1.95464E-07	1.26343E-12	2.88063E-15	6.30621E-13	4.79272E-16
717	571510.6	4178799	0.55, 41787	0.20623	0.22585	0.19985	71.44774	40.73398	67.79843	10.29216	7.00806	9.90291	3.88E-09	1.32E-06	1.92E-07	1.2E-12	3.62E-12	2.86E-12	6.91E-16	1.67E-14	9.21E-16	1.8303E-14	1.294E-11	8.7791E-09	1.92367E-07	1.22529E-12	2.79367E-15	6.11583E-13	4.64803E-16
718	571550.6	4178799	0.55, 41787	0.19818	0.21228	0.19356	94.10249	39.35835	107.36049	13.01678	6.4744	14.79864	3.76E-09	2.09E-06	2.87E-07	1.16E-12	3.5E-12	2.77E-12	6.69E-16	1.62E-14	8.92E-16	1.77268E-14	1.253E-11	1.3901E-08	2.87455E-07	1.18672E-12	2.70572E-15	5.92329E-13	4.5017E-16
719	571590.6	4178799	0.55, 41787	0.19254	0.20073	0.18997	94.76849	37.66806	114.23818	12.95063	6.01952	15.50303	3.69E-09	2.22E-06	3.01E-07	1.14E-12	3.44E-12	2.72E-12	6.57E-16	1.59E-14	8.76E-16	1.73978E-14	1.23E-11	1.4791E-08	3.01133E-07	1.1647E-12	2.65551E-15	5.81337E-13	4.41816E-16
720	570310.6	4178839	0.55, 41788	0.10118	0.0904	0.098	86.93136	38.98232	105.93151	10.86642	4.87279	13.24144	1.9E-09	2.06E-06	2.57E-07	5.87E-13	1.77E-12	1.4E-12	3.39E-16	8.18E-15	4.52E-16	8.97472E-15	6.345E-12	1.3716E-08	2.57203E-07	6.00814E-13	1.36986E-15	2.99885E-13	2.27913E-16
721	570350.6	4178839	0.55, 41788	0.1118	0.10104	0.10874	92.10266	41.60712	103.12867	11.51283	5.43734	12.89108	2.11E-09	2E-06	2.5E-07	6.52E-13	1.97E-12	1.55E-12	3.76E-16	9.08E-15	5.01E-16	9.95829E-15	7.041E-12	1.3353E-08	2.50402E-07	6.66659E-13	1.51998E-15	3.32751E-13	2.52891E-16
722	570390.6	4178839	0.55, 41788	0.12335	0.11299	0.12071	101.58992	44.39945	123.8041	13.097	6.32134	15.47551	2.34E-09	2.4E-06	3.01E-07	7.24E-13	2.18E-12	1.73E-12	4.17E-16	1.01E-14	5.56E-16	1.10545E-14	7.816E-12	1.603E-08	3.006E-07	7.40045E-13	1.6873E-15	3.6938E-13	2.80729E-16
723	570430.6	4178839	0.55, 41788	0.13612	0.12663	0.1341	105.75261	46.22171	135.82058	15.10752	6.99394	17.72822	2.6E-09	2.64E-06	3.44E-07	8.04E-13	2.43E-12	1.92E-12	4.64E-16	1.12E-14	6.18E-16	1.22808E-14	8.683E-12	1.7586E-08	3.44358E-07	8.22138E-13	1.87447E-15	4.10355E-13	3.1187E-16
724	570470.6	4178839	0.55, 41788	0.14941	0.1416	0.14777	113.55911	47.52324	144.14907	16.22273	7.30549	20.59272	2.87E-09	2.8E-06	4E-07	8.86E-13	2.67E-12	2.11E-12	5.11E-16	1.23E-14	6.81E-16	1.35327E-14	9.568E-12	1.8664E-08	3.99991E-07	9.05949E-13	2.06556E-15	4.52188E-13	3.43663E-16
725	570510.6	4178839	0.55, 41788	0.16314	0.158	0.16129	114.44641	50.69094	152.51274	16.21485	7.16417	20.85712	3.13E-09	2.96E-06	4.05E-07	9.67E-13	2.92E-12	2.31E-12	5.58E-16	1.35E-14	7.44E-16	1.47709E-14	1.044E-11	1.9747E-08	4.05126E-07	9.88842E-13	2.25456E-15	4.93563E-13	3.75108E-16
726	570550.6	4178839	0.55, 41788	0.17704	0.17576	0.1737	109.2842	56.30775	135.99936	15.45924	8.75778	18.63755	3.37E-09	2.64E-06	3.62E-07	1.04E-12	3.14E-12	2.48E-12	6.01E-16	1.45E-14	8.01E-16	1.59076E-14	1.125E-11	1.7609E-08	3.62018E-07	1.06493E-12	2.42805E-15	5.31543E-13	4.03973E-16
727	570590.6	4178839	0.55, 41788	0.1907	0.19445	0.18485	121.04262	57.73789	162.59872	17.123	9.62298	23.05827	3.59E-09	3.16E-06	4.48E-07	1.11E-12	3.35E-12	2.64E-12	6.39E-16	1.54E-14	8.52E-16	1.69289E-14	1.197E-11	2.1053E-08	4.47876E-07	1.13331E-12	2.58394E-15	5.65669E-13	4.29908E-16
728	570630.6	4178839	0.55, 41788	0.20316	0.21304	0.19546	125.84874	56.85617	163.76967	17.26057	9.47603	21.8341	3.8E-09	3.18E-06	4.24E-07	1.17E-12	3.54E-12	2.79E-12	6.76E-16	1.63E-14	9.01E-16	1.79007E-14	1.266E-11	2.1205E-08	4.24104E-07	1.19837E-12	2.73228E-15	5.98143E-13	4.54589E-16
729	570670.6	4178839	0.55, 41788	0.21386	0.23043	0.20601	138.80556	56.19819	167.35734	17.35069	9.51337	20.91967	4E-09	3.25E-06	4.06E-07	1.23E-12	3.73E-12	2.95E-12	7.12E-16	1.72E-14	9.5E-16	1.88671E-14	1.334E-11	2.1669E-08	4.06347E-07	1.26306E-12	2.87977E-15	6.30432E-13	4.79129E-16
730	570710.6	4178839	0.55, 41788	0.22462	0.24643	0.21368	139.69865	64.11019	158.44625	17.46233	11.64998	19.80578	4.15E-09	3.08E-06	3.85E-07	1.28E-12	3.87E-12	3.05E-12	7.39E-16	1.78E-14	9.85E-16	1.95697E-14	1.384E-11	2.0516E-08	3.84716E-07	1.31009E-12	2.98702E-15	6.5391E-13	4.96972E-16
731	570750.6	4178839	0.55, 41788	0.23931	0.26333	0.21642	129.30344	65.03758	176.13066	16.25667	13.35444	22.02002	4.2E-09	3.42E-06	4.28E-07	1.3E-12	3.92E-12	3.09E-12	7.48E-16	1.81E-14	9.98E-16	1.9821E-14	1.401E-11	2.2805E-08	4.27709E-07	1.32692E-12	3.02537E-15	6.62306E-13	5.03353E-16
732	570790.6	4178839	0.55, 41788	0.2546	0.28325	0.22784	148.04332	66.52984	161.49916	18.88746	13.10425	20.18115	4.43E-09	3.14E-06	3.92E-07	1.37E-12	4.12E-12	3.26E-12	7.88E-16	1.9E-14	1.05E-15	2.0867E-14	1.475E-11	2.0905E-08	3.92013E-07	1.39694E-12	3.18503E-15	6.9726E-13	5.29917E-16
733	570830.6	4178839	0.55, 41788	0.26766	0.30497	0.26524	136.3658	90.38201	203.70222	17.19519	14.05196	26.51864	5.15E-09	3.96E-06	5.15E-07	1.59E-12	4.8E-12	3.79E-12	9.17E-16	2.22E-14	1.22E-15	2.42917E-14	1.717E-11	2.6376E-08	5.15076E-07	1.62621E-12	3.70776E-15	8.11694E-13	6.16887E-16
734	570870.6	4178839	0.55, 41788	0.28248	0.32215	0.27934	145.76117	97.26265	213.43334	18.22015	15.13016	26.67917	5.43E-09	4.15E-06	5.18E-07	1.67E-12	5.06E-12	3.99E-12	9.66E-16	2.33E-14	1.29E-15	2.55831E-14	1.809E-11	2.7636E-08	5.18199E-07	1.71266E-12	3.90487E-15	8.54844E-13	6.49681E-16
735	570910.6	4178839	0.55, 41788	0.28799	0.33135	0.25629	130.6935	87.1686	210.24612	16.33669	13.50967	26.28077	4.98E-09	4.08E-06	5.1E-07	1.54E-12	4.64E-12	3.66E-12	8.86E-16	2.14E-14	1.18E-15	2.34729E-14	1.66E-11	2.7223E-08	5.10452E-07	1.5714E-12	3.58279E-15	7.84335E-13	5.96095E-16
736	570950.6	4178839	0.55, 41788	0.28758	0.33724	0.25781	143.26415	81.64199	232.33178	17.90802	13.93242	29.04147	5.01E-09	4.51E-06	5.64E-07	1.55E-12	4.67E-12	3.69E-12	8.91E-16	2.15E-14	1.19E-15	2.36122E-14	1.669E-11	3.0082E-08	5.64073E-07	1.58072E-12	3.60405E-15	7.88989E-13	5.99632E-16
737	570990.6	4178839	0.55, 41788	0.28844	0.33412	0.27084	115.42228	74.82901	134.90402	15.11344	13.01217	21.06919	5.26E-09	2.62E-06	4.09E-07	1.62E-12	4.9E-12	3.87E-12	9.36E-16	2.26E-14	1.25E-15	2.48051E-14	1.754E-11	1.7468E-08	4.09238E-07	1.66058E-12	3.78613E-15	8.28849E-13	6.29926E-16
738	571030.6	4178839	0.55, 41788	0.29049	0.32848	0.28015	122.60648	67.85889	167.69329	20.43441	11.21527	20.96166	5.44E-09	3.26E-06	4.07E-07	1.68E-12	5.07E-12	4.01E-12	9.69E-16	2.34E-14	1.29E-15	2.56574E-14	1.814E-11	2.1713E-08	4.07178E-07	1.71764E-12	3.91621E-15	8.57327E-13	6.51569E-16
739	571070.6	4178839	0.55, 41788	0.28682	0.32211	0.27916	145.85056	62.69899	194.95005	22.09774	10.44682	32.49167	5.42E-09	3.79E-06	6.31E-07	1.67E-12	5.05E-12	3.99E-12	9.65E-16	2.33E-14	1.29E-15	2.55666E-14	1.808E-11	2.5242E-08	6.31097E-07	1.71156E-12	3.90235E-15	8.54293E-13	6.49263E-16
740	571110.6	4178839	0.55, 41788	0.272	0.3104	0.2597	131.09883	59.8466	180.45962	17.36249	9.97443	23.15348	5.04E-09	3.5E-06	4.5E-07	1.56E-12	4.7E-12	3.71E-12	8.98E-16	2.17E-14	1.2E-15	2.37846E-14	1.682E-11	2.3366E-08	4.49727E-07	1.59226E-12	3.63036E-15	7.9475E-13	6.0401E-16
741	571150.6	4178839	0.55, 41788	0.26	0.30055	0.24148	99.99815	55.57889	134.60776	12.49977	9.26315	16.82597	4.69E-09	2.61E-06	3.27E-07	1.45E-12	4.37E-12	3.45E-12	8.35E-16	2.02E-14	1.11E-15	2.21162E-14	1.564E-11	1.7429E-08	3.26822E-07	1.48057E-12	3.37571E-15	7.39002E-13	5.61641E-16
742	571190.6	4178839	0.55, 41788	0.2552	0.29099	0.23588	127.82601	53.11626	132.48794	15.97966	8.85271	16.56099	4.58E-09	2.57E-06	3.22E-07	1.41E-12	4.27E-12	3.37E-12	8.16E-16	1.97E-14	1.09E-15	2.16033E-14	1.527E-11	1.7155E-08	3.21695E-07	1.44623E-12	3.29742E-15	7.21862E-13	5.48615E-16
743	571230.6	4178839	0.55, 41788	0.25406	0.28009	0.23929	144.46225	51.51588	176.21864	18.06666	8.58598	22.02733	4.65E-09	3.42E-06	4.28E-07	1.43E-12	4.33E-12	3.42E-12	8.27E-16	2E-14	1.1E-15	2.19153E-14	1.549E-11	2.2816E-08	4.27861E-07	1.46712E-12	3.34503E-15	7.32286E-13	5.56537E-16
744	571270.6	4178839	0.55, 41788	0.2507	0.26766	0.24251	121.82335	49.56018	161.92313	15.26733	8.26003	20.24326	4.71E-09	3.14E-06	3.93E-07	1.45E-12	4.39E-12	3.47E-12	8.38E-16	2.03E-14	1.12E-15	2.22098E-14	1.57E-11	2.0965E-08	3.932E-07	1.48684E-12	3.38998E-15	7.42127E-13	5.64016E-16
745	571310.6	4178839	0.55, 41788	0.24184	0.25433	0.23951	103.21026	44.65355	122.05645	14.74432	7.58702	17.43664	4.65E-09	2.37E-06	3.39E-07	1.44E-12	4.33E-12	3.42E-12	8.28E-16	2E-14	1.1E-15	2.19348E-14	1.551E-11	1.5804E-08	3.38693E-07	1.46843E-12	3.34801E-15	7.32938E-13	5.57033E-16
746	571350.6	4178839	0.55, 41788	0.22797	0.24079	0.22797	99.0464	44.12829	113.73434	14.35742	7.39344	18.63488	4.43E-09	2.21E-06	3.62E-07	1.37E-12	4.13E-12	3.26E-12	7.88E-16	1.9E-14	1.05E-15	2.08779E-14	1.476E-11	1.4726E-08	3.61961E-07	1.39767E-12	3.18669E-15	6.97623E-13	5.30193E-16
747	571390.6	4178839	0.55, 41788	0.21103	0.22733	0.21036	102.76287	42.76623	112.22851	13.91866	7.25999	15.15441	4.09E-09	2.18E-06	2.94E-07	1.26E-12	3.81E-12	3.01E-12	7.27E-16	1.76E-14	9.7E-16	1.92653E-14	1.362E-11	1.4531E-08	2.94369E-07	1.28971E-12	2.94055E-15	6.43738E-13	4.89241E-16
748	571430.6	4178839	0.55, 41788	0.19469	0.21494	0.19186	96.70075	41.37793	118.14409	13.13698	7.12068	15.87157	3.73E-09	2.29E-06	3.08E-07	1.15E-12	3.47E-12	2.74E-12	6.63E-16	1.6E-14	8.84E-16	1.75712E-14	1.242E-11	1.5297E-08	3.08291E-07	1.1763E-12	2.68197E-15	5.8713E-13	4.46219E-16
749	571470.6	4178839	0.55, 41788	0.18137	0.20392	0.17665	77.02264	40.18933	97.95965	10.5662	6.94319	13.29535	3.43E-09	1.9E-06	2.58E-07	1.06E-12	3.2E-12	2.53E-12	6.11E-16	1.48E-14	8.14E-16	1.61783E-14	1.144E-11	1.2684E-08	2.58248E-07	1.08306E-12	2.46937E-15	5.40589E-13	4.10848E-16
750	571510.6	4178839	0.55, 41788	0.17253	0.19446	0.16733	52.60803	39.21497	67.39367	7.34906	6.67327	9.32595	3.25E-09	1.31E-06	1.81E-07	1E-12	3.03E-12	2.39E-12	5.79E-16	1.4E-14	7.71E-16	1.53248E-14	1.084E-11	8.7265E-09	1.81146E-07	1.02592E-12	2.3391E-15	5.12069E-13	3.89173E-16
751	571550.6	4178839	0.55, 41788	0.16797	0.18619	0.16347	68.59481	38.25365	67.50423	9.65516	6.29212	9.48561	3.18E-09	1.31E-06	1.84E-07	9.8E-13	2.96E-12	2.34E-12	5.65E-16	1.37E-14	7.54E-16	1.49712E-14	1.059E-11	8.7409E-09	1.84259E-07	1.00225E-12	2.28512E-15	5.00254E-13	3.80193E-16
752	571590.6	4178839	0.55, 41788	0.16271	0.17607	0.15959	86.9293	37.04871	99.01478	11.93163	5.86384	13.49632	3.1E-09	1.92E-06	2.62E-07	9.57E-13	2.89E-12	2.28E-12	5.52E-16	1.33E-14	7.36E-16	1.46157E-14	1.033E-11	1.282E-08	2.62158E-07	9.7845E-13	2.23087E-15	4.88376E-13	3.71165E-16
753	570839.2	4178446	9.17, 41784	74.46739	6.86955	3.72049	1115.31188	246.53605	1658.95445	545.24687	92.47095	232.89196	7.23E-08	3.22E-05	4.53E-06	2.23E-11	6.74E-11	5.32E-11	1.29E-14	3.11E-13	1.72E-14	3.40975E-13	2.411E-10	2.1479E-07	4.5256E-06	2.28266E-11	5.20447E-14	1.13935E-11	8.65906E-15
754	570839.2	4178486	9.17, 41784	72.70489	8.35312	4.22209	2611.28562	240.43522	1473.87155	1286.82968	90.10385	245.64526	8.21E-08	2.86E-05	4.78E-06	2.53E-11	7.65E-11	6.04E-11	1.46E-14	3.53E-13	1.95E-14	3.86928E-13	2.736E-10	1.9083E-07	4.77722E-06	2.5903E-11	5.90588E-14	1.2929E-11	9.82604E-15
755	570879.2	4178406	9.17, 41784	9.26791	12.09581	2.86973	654.37651	281.54322	1652.24347	174.87233	99.71055	250.6883	5.58E-08	3.21E-05	4.87E-06	1.72E-11	5.2E-11	4.11E-11	9.93E-15	2.4E-13	1.32E-14	2.63036E-13	1.86E-10	2.1392E-07	4.86923E-06	1.7609E-11	4.01484E-14	8.7892E-12	6.67979E-15
756	570879.2	4178446	9.17, 41784	110.98197	13.33715	11.62742	3333.88644	260.53475	3586.87714	1717.50318	91.01179	770.8732	2.26E-07	6.97E-05	1.5E-05	6.97E-11	2.11E-10	1.66E-10	4.02E-14	9.71E-13	5.36E-14	1.06514E-12	7.531E-10	4.6439E-07	1.49793E-05	7.13056E-11	1.62577E-13	3.55909E-11	2.70491E-14
757	570879.2	4178486	9.17, 41784	18.42358	13.79846	20.70311	473.0449	246.35325	4578.74855	141.68031	100.88031	655.29094	4.02E-07	8.89E-05	1.27E-05	1.24E-10	3.75E-10	2.96E-10	7.16E-14	1.73E-12	9.54E-14	1.89584E-12	1.34E-09	5.928E-07	1.27263E-05	1.26917E-10	2.89371E-13	6.33484E-11	4.81448E-14
758	570879.2	4178526	9.17, 41785	94.91809	17.71904	9.02777	3340.71117	271.69492	2014.80922	1490.9797	113.49448	441.47053	1.75E-07	3.91E-05	8.58E-06	5.41E-11	1.63E-10	1.29E-10	3.12E-14	7.54E-13	4.16E-14	8.27182E-13	5.848E-10	2.6087E-07	8.58118E-06	5.53758E-11	1.26257E-13	2.76398E-11	2.10063E-14
759	570879.2	4178566	9.17, 41785	6.34056	7.84517	3.48916	517.57011	248.69096	1100.96831	138.67192	92.32789	171.27972	6.78E-08	2.14E-05	3.33E-06	2.09E-11	6.32E-11	4.99E-11	1.21E-14	2.91E-13	1.61E-14	3.19645E-13	2.26E-10	1.4255E-07	3.32694E-06	2.13986E-11	4.87889E-14	1.06807E-11	8.11736E-15
760	570919.2	4178366	9.17, 41783	2.36921	8.89638	1.45024	279.82249	231.14799	970.86833	50.20448	85.64726	145.20587	2.82E-08	1.89E-05	2.82E-06	8.7E-12	2.63E-11	2.08E-11	5.02E-15	1.21E-13	6.69E-15	1.32984E-13	9.402E-11	1.257E-07	2.82012E-06	8.90264E-12	2.0298E-14	4.44359E-12	3.37713E-15
761	570919.2	4178406	9.17, 41784	7.16288	18.51893	2.95623	387.12304	281.06153	1814.51514	102.95605	123.97591	301.78328	5.75E-08	3.52E-05	5.86E-06	1.77E-11	5.36E-11	4.23E-11	1.02E-14	2.47E-13	1.36E-14	2.71095E-13	1.917E-10	2.3493E-07	5.86109E-06	1.81485E-11	4.13786E-14	9.05849E-12	6.88445E-15
762	570919.2	4178446	9.17, 41784	30.90779	15.96768	15.85005	761.46723	266.85593	6280.62092	290.35951	97.37786	1155.63511	3.08E-07	0.000122	2.24E-05	9.5E-11	2.87E-10	2.27E-10	5.48E-14	1.32E-12	7.31E-14	1.4516E-12	1.026E-09	8.1313E-07	2.24437E-05	9.71772E-11	2.21564E-13	4.85043E-11	3.68632E-14
763	570919.2	4178486	9.17, 41784	29.57453	18.16179	468.02027	992.62163	281.14129	31654.24271	425.98322	121.6397	9353.86757	9.09E-06	0.000615	0.000182	2.8E-09	8.47E-09	6.69E-09	1.62E-12	3.91E-11	2.16E-12	4.28502E-11	3.03E-08	4.0981E-06	0.000181652	2.86861E-09	6.54044E-12	1.43182E-09	1.08818E-12
764	570919.2	4178526	9.17, 41785	19.47257	21.77306	15.13476	427.44744	357.8357	3633.422	126.47105	151.21701	760.0028	2.94E-07	7.06E-05	1.48E-05	9.07E-11	2.74E-10	2.16E-10	5.23E-14	1.26E-12	6.98E-14	1.38621E-12	9.801E-10	4.7041E-07	1.47597E-05	9.27999E-11	2.11584E-13	4.63194E-11	3.52028E-14
765	570919.2	4178566	9.17, 41785	68.70701	17.81326	4.44491	3547.24462	326.79695	1605.72558	1121.59815	123.62419	257.53275	8.64E-08	3.12E-05	5.01E-06	2.67E-11	8.05E-11	6.36E-11	1.54E-14	3.72E-13	2.05E-14	4.07532E-13	2.881E-10	2.0791E-07	5.00719E-06	2.72823E-11	6.22036E-14	1.36175E-11	1.03493E-14
766	570959.2	4178326	9.17, 41783	2.08146	12.83514	1.34475	279.67021	252.56813	633.18912	42.32993	97.81035	79.64117	2.62E-08	1.23E-05	1.55E-06	8.08E-12	2.44E-11	1.93E-11	4.66E-15	1.13E-13	6.21E-15	1.23414E-13	8.726E-11	8.1985E-08	1.54683E-06	8.26198E-12	1.88373E-14	4.12382E-12	3.1341E-15
767	570959.2	4178366	9.17, 41783	2.97969	11.80225	1.85212	241.09871	252.07126	954.07883	42.48046	78.75938	136.29698	3.6E-08	1.85E-05	2.65E-06	1.11E-11	3.36E-11	2.65E-11	6.41E-15	1.55E-13	8.55E-15	1.69846E-13	1.201E-10	1.2353E-07	2.64708E-06	1.13703E-11	2.59244E-14	5.6753E-12	4.31322E-15
768	570959.2	4178406	9.17, 41784	5.48321	18.00699	4.34111	312.89849	292.26242	1429.75284	67.10795	111.57482	238.11199	8.44E-08	2.78E-05	4.62E-06	2.6E-11	7.86E-11	6.21E-11	1.5E-14	3.63E-13	2E-14	3.97872E-13	2.813E-10	1.8511E-07	4.62442E-06	2.66356E-11	6.07292E-14	1.32947E-11	1.0104E-14
769	570959.2	4178446	9.17, 41784	13.2141	15.9724	27.93872	471.07205	258.82785	2485.7483	129.31081	100.45092	486.63208	5.43E-07	4.83E-05	9.45E-06	1.67E-10	5.06E-10	3.99E-10	9.66E-14	2.33E-12	1.29E-13	2.55833E-12	1.809E-09	3.2183E-07	9.45095E-06	1.71268E-10	3.90491E-13	8.54853E-11	6.49688E-14
770	570959.2	4178486	9.17, 41784	61.20406	15.71053	62.85492	1330.20017	250.50131	2800.83581	539.4281	101.77571	895.66291	1.22E-06	5.44E-05	1.74E-05	3.77E-10	1.14E-09	8.98E-10	2.17E-13	5.25E-12	2.9E-13	5.75521E-12	4.069E-09	3.6262E-07	1.73964E-05	3.85283E-10	8.78446E-13	1.92307E-10	1.46154E-13
771	570959.2	4178526	9.17, 41785	233.18259	14.04006	12.98457	3491.90215	258.73899	2789.84609	1687.05022	110.68808	397.86928	2.52E-07	5.42E-05	7.74E-06	7.79E-11	2.35E-10	1.86E-10	4.49E-14	1.08E-12	5.99E-14	1.18972E-12	8.412E-10	3.6121E-07	7.7355E-06	7.96457E-11	1.81592E-13	3.97537E-11	3.02128E-14
772	570999.2	4178286	9.17, 41782	4.82709	7.01905	1.81527	541.05323	230.67805	782.52024	117.6944	82.70868	130.42004	3.53E-08	1.52E-05	2.53E-06	1.09E-11	3.29E-11	2.6E-11	6.28E-15	1.52E-13	8.37E-15	1.66368E-13	1.176E-10	1.0132E-07	2.53335E-06	1.11376E-11	2.53936E-14	5.55911E-12	4.22492E-15

773	570999.2	4178326	9.17, 41783	3.49216	17.23511	2.06149	334.8047	281.26172	702.77079	73.88295	121.01705	110.07877	4.01E-08	1.36E-05	2.14E-06	1.24E-11	3.74E-11	2.95E-11	7.14E-15	1.72E-13	9.52E-15	1.89139E-13	1.337E-10	9.0994E-08	2.13809E-06	1.26619E-11	2.88691E-14	6.31996E-12	4.80317E-15
774	570999.2	4178366	9.17, 41783	3.49499	15.86199	2.88936	258.09779	262.50756	719.40934	51.99585	99.38677	89.92617	5.62E-08	1.4E-05	1.75E-06	1.73E-11	5.24E-11	4.14E-11	1E-14	2.42E-13	1.33E-14	2.64903E-13	1.873E-10	9.3147E-08	1.74662E-06	1.7734E-11	4.04335E-14	8.8516E-12	6.72722E-15
775	570999.2	4178406	9.17, 41784	4.67229	14.08019	6.50261	269.25985	258.20089	888.73579	48.54927	90.52886	138.83889	1.26E-07	1.73E-05	2.7E-06	3.9E-11	1.18E-10	9.3E-11	2.25E-14	5.43E-13	3E-14	5.95679E-13	4.212E-10	1.1507E-07	2.69647E-06	3.98778E-11	9.09213E-14	1.99043E-11	1.51272E-14
776	570999.2	4178446	9.17, 41784	8.21208	17.59623	13.45709	365.10896	254.50285	1091.31402	80.87758	113.65243	185.77432	2.61E-07	2.12E-05	3.61E-06	8.07E-11	2.44E-10	1.92E-10	4.65E-14	1.12E-12	6.2E-14	1.23249E-12	8.714E-10	1.413E-07	3.60812E-06	8.2509E-11	1.8812E-13	4.11829E-11	3.1299E-14
777	570999.2	4178486	9.17, 41784	18.06608	14.21786	20.31738	585.19163	263.25351	1140.06137	156.20535	101.07997	297.24229	3.95E-07	2.21E-05	5.77E-06	1.22E-10	3.68E-10	2.9E-10	7.02E-14	1.7E-12	9.37E-14	1.86053E-12	1.315E-09	1.4761E-07	5.77319E-06	1.24553E-10	2.83982E-13	6.21686E-11	4.72482E-14
778	571039.2	4178246	9.17, 41782	16.91212	6.90765	2.82369	857.31055	271.11205	1316.76682	274.95229	93.64332	189.48612	5.49E-08	2.56E-05	3.68E-06	1.69E-11	5.11E-11	4.04E-11	9.77E-15	2.36E-13	1.3E-14	2.58723E-13	1.829E-10	1.7049E-07	3.68123E-06	1.73202E-11	3.94901E-14	8.64508E-12	6.57026E-15
779	571039.2	4178286	9.17, 41782	28.85834	15.10006	3.68614	1240.055	260.3069	1323.38037	549.80999	92.85324	215.01085	7.17E-08	2.57E-05	4.18E-06	2.21E-11	6.68E-11	5.27E-11	1.28E-14	3.08E-13	1.7E-14	3.379E-13	2.389E-10	1.7134E-07	4.17838E-06	2.26208E-11	5.15753E-14	1.12907E-11	8.58097E-15
780	571039.2	4178326	9.17, 41783	6.67676	17.1171	4.10991	443.85334	276.43557	1246.54946	131.23026	111.87763	155.81868	7.99E-08	2.42E-05	3.03E-06	2.47E-11	7.44E-11	5.88E-11	1.42E-14	3.44E-13	1.9E-14	3.76688E-13	2.663E-10	1.6139E-07	3.02665E-06	2.52174E-11	5.74957E-14	1.25868E-11	9.56598E-15
781	571039.2	4178366	9.17, 41783	4.40971	16.57374	4.87433	310.01939	259.88486	992.68074	73.97776	106.04392	160.75052	9.47E-08	1.93E-05	3.12E-06	2.92E-11	8.83E-11	6.97E-11	1.69E-14	4.07E-13	2.25E-14	4.46657E-13	3.158E-10	1.2853E-07	3.12212E-06	2.99015E-11	6.81753E-14	1.49248E-11	1.13428E-14
782	571039.2	4178406	9.17, 41784	4.40492	15.47088	6.2465	249.62047	251.60574	625.26496	54.55389	95.67705	86.62547	1.21E-07	1.21E-05	1.68E-06	3.75E-11	1.13E-10	8.93E-11	2.16E-14	5.22E-13	2.88E-14	5.72261E-13	4.046E-10	8.0959E-08	1.68253E-06	3.83101E-11	8.7347E-14	1.91218E-11	1.45326E-14
783	571039.2	4178446	9.17, 41784	6.02235	17.33371	7.45895	271.18693	258.43077	565.95619	53.34538	113.33058	91.15286	1.45E-07	1.1E-05	1.77E-06	4.47E-11	1.35E-10	1.07E-10	2.58E-14	6.23E-13	3.44E-14	6.83314E-13	4.831E-10	7.3281E-08	1.77045E-06	4.57445E-11	1.04297E-13	2.28325E-11	1.73527E-14
784	571079.2	4178246	9.17, 41782	26.90238	12.76385	4.78342	686.22219	257.40547	1959.72628	294.80616	92.56412	417.67679	9.3E-08	3.81E-05	8.11E-06	2.87E-11	8.66E-11	6.84E-11	1.65E-14	4E-13	2.21E-14	4.38304E-13	3.099E-10	2.5373E-07	8.11274E-06	2.93423E-11	6.69005E-14	1.46457E-11	1.11307E-14
785	571079.2	4178286	9.17, 41782	49.90964	15.92317	13.80121	957.6563	283.49226	4117.74908	414.11972	108.09945	689.22522	2.68E-07	8E-05	1.34E-05	8.27E-11	2.5E-10	1.97E-10	4.77E-14	1.15E-12	6.36E-14	1.26406E-12	8.937E-10	5.3312E-07	1.33868E-05	8.46227E-11	1.9294E-13	4.22379E-11	3.21008E-14
786	571079.2	4178326	9.17, 41783	16.67986	14.36437	14.4793	793.60016	243.70787	3077.685	313.14105	91.11491	664.711	2.81E-07	5.98E-05	1.29E-05	8.68E-11	2.62E-10	2.07E-10	5.01E-14	1.21E-12	6.67E-14	1.32602E-12	9.375E-10	3.9846E-07	1.29102E-05	8.87708E-11	2.02397E-13	4.43084E-11	3.36743E-14
787	571079.2	4178366	9.17, 41783	6.18218	17.09307	7.0902	419.38901	255.0076	1488.27193	110.95083	108.56867	287.95219	1.38E-07	2.89E-05	5.59E-06	4.25E-11	1.28E-10	1.01E-10	2.45E-14	5.92E-13	3.27E-14	6.49547E-13	4.592E-10	1.9269E-07	5.59254E-06	4.3484E-11	9.91436E-14	2.17043E-11	1.64952E-14
788	571079.2	4178406	9.17, 41784	4.42977	14.91	5.35349	310.20505	209.99469	815.89349	72.09993	91.11305	117.58287	1.04E-07	1.58E-05	2.28E-06	3.21E-11	9.69E-11	7.66E-11	1.85E-14	4.47E-13	2.47E-14	4.90489E-13	3.468E-10	1.0564E-07	2.28381E-06	3.28358E-11	7.48656E-14	1.63894E-11	1.24559E-14
789	571119.2	4178286	9.17, 41782	25.0824	15.07438	138.00946	507.91812	256.39153	16734.57469	211.8106	106.96205	4271.60103	2.68E-06	0.000325	8.3E-05	8.27E-10	2.5E-09	1.97E-09	4.77E-13	1.15E-11	6.36E-13	1.26359E-11	8.934E-09	2.1665E-06	8.29544E-05	8.45912E-10	1.92868E-12	4.22222E-10	3.20889E-13
790	571119.2	4178326	9.17, 41783	197.49067	14.51391	52.98238	3348.29445	230.6601	7805.71053	1622.72219	95.52079	2122.69744	1.03E-06	0.000152	4.12E-05	3.18E-10	9.59E-10	7.57E-10	1.83E-13	4.42E-12	2.44E-13	4.85165E-12	3.43E-09	1.0106E-06	4.12308E-05	3.24794E-10	7.40531E-13	1.62115E-10	1.23208E-13
791	571119.2	4178366	9.17, 41783	10.01384	12.46582	9.59129	630.48898	206.62645	2115.5821	198.58486	83.22549	424.70779	1.86E-07	4.11E-05	8.25E-06	5.75E-11	1.74E-10	1.37E-10	3.32E-14	8.01E-13	4.42E-14	8.78441E-13	6.211E-10	2.739E-07	8.24876E-06	5.88073E-11	1.34081E-13	2.93526E-11	2.2308E-14
792	571159.2	4178326	9.17, 41783	219.15803	19.05137	35.48029	3124.9508	277.70648	3646.5914	1560.39264	128.55095	753.34584	6.89E-07	7.08E-05	1.46E-05	2.13E-10	6.42E-10	5.07E-10	1.23E-13	2.96E-12	1.64E-13	3.2494E-12	2.297E-09	4.7213E-07	1.46381E-05	2.17531E-10	4.95971E-13	1.08577E-10	8.25184E-14
793	570808.8	4178465	8.82, 41784	10.95844	3.34212	2.15804	1253.90468	193.66587	956.23037	302.59047	56.7134	159.37173	4.19E-08	1.86E-05	3.1E-06	1.29E-11	3.91E-11	3.09E-11	7.46E-15	1.8E-13	9.95E-15	1.97683E-13	1.398E-10	1.2381E-07	3.09657E-06	1.32339E-11	3.01734E-14	6.60548E-12	5.02017E-15
794	570823.9	4178530	3.91, 41785	3.05561	3.25593	2.40542	358.64643	197.99385	1108.94733	70.39413	63.38636	140.39269	4.67E-08	2.15E-05	2.73E-06	1.44E-11	4.35E-11	3.44E-11	8.32E-15	2.01E-13	1.11E-14	2.2031E-13	1.558E-10	1.4358E-07	2.72676E-06	1.47487E-11	3.3627E-14	7.36155E-12	5.59478E-15
795	570883.3	4178602	3.31, 41786	3.07425	4.49746	2.05933	479.66242	287.53386	914.81532	94.76169	103.00469	119.05382	4E-08	1.78E-05	2.31E-06	1.23E-11	3.73E-11	2.95E-11	7.12E-15	1.72E-13	9.5E-15	1.88652E-13	1.334E-10	1.1845E-07	2.3125E-06	1.26293E-11	2.87949E-14	6.3037E-12	4.79081E-15
796	571181.5	4178310	1.45, 41783	77.30582	13.12592	35.80897	2585.53888	242.23364	1672.90767	872.95261	114.20023	513.62427	6.96E-07	3.25E-05	9.98E-06	2.15E-10	6.48E-10	5.12E-10	1.24E-13	2.99E-12	1.65E-13	3.279E-12	2.318E-09	2.166E-07	9.97909E-06	2.19513E-10	5.00489E-13	1.09566E-10	8.327E-14
797	571067.8	4178207	7.83, 41782	5.36607	4.9243	1.64986	895.65181	299.02694	904.65641	223.56067	96.05921	144.20823	3.21E-08	1.76E-05	2.8E-06	9.9E-12	2.99E-11	2.36E-11	5.71E-15	1.38E-13	7.61E-15	1.51178E-13	1.069E-10	1.1713E-07	2.80167E-06	1.01207E-11	2.30751E-14	5.05154E-12	3.83917E-15
798	570799.9	4178447	9.89, 41784	4.88888	2.78293	1.75814	732.83791	152.28075	768.58836	142.77112	52.0733	124.31973	3.42E-08	1.49E-05	2.42E-06	1.05E-11	3.18E-11	2.51E-11	6.08E-15	1.47E-13	8.11E-15	1.61042E-13	1.139E-10	9.9513E-08	2.41501E-06	1.0781E-11	2.45807E-14	5.38114E-12	4.08967E-15

	Trenching	Grading	Stockpile
Emissions Rate (g/s):	9.21E-13	8.18E-12	3.31E-08

				Concentration [µg/m^3] at 1 g/s									Concentration (µg/m^3) Unmitigated			Unmitigated Residential Dose			Risk by Age Group				Unmitigated			Student Unmitigated		Worker Unmitigated	
#	X	Y	X,Y	Trenching Period	Grading Period	Stockpile Period	Treching 1hr	Grading 1hr	Stockpile 1hr	Trenching 8hr	Grading 8hr	Stockpile 8hr	Period Tota	1hr Total	8hr Total	3rd	0<2	2<9	3rd	0<2	2<9	Total Risk	Chronic	Acute	8hr	Dose	Risk	Dose	Risk
1	570310.6	4177919	0.55, 41779	0.08215	0.06425	0.08047	53.98877	25.74637	57.86027	6.7486	3.78109	7.23253	2.67E-09	1.92E-06	2.4E-07	8.23E-13	2.49E-12	1.96E-12	1.42E-16	3.44E-15	1.9E-16	3.77365E-15	2.668E-09	1.9183E-06	2.39811E-07	8.4209E-13	5.7599E-16	4.20314E-13	9.58316E-17
2	570350.6	4177919	0.55, 41779	0.08744	0.06946	0.0859	61.34869	26.43683	62.74615	7.66859	3.66465	7.84327	2.85E-09	2.08E-06	2.6E-07	8.79E-13	2.65E-12	2.1E-12	1.52E-16	3.67E-15	2.03E-16	4.0283E-15	2.848E-09	2.0802E-06	2.60064E-07	8.98915E-13	6.14858E-16	4.48677E-13	1.02298E-16
3	570390.6	4177919	0.55, 41779	0.09273	0.07514	0.09126	67.57642	27.23616	68.95787	8.44705	3.80844	8.61973	3.03E-09	2.29E-06	2.86E-07	9.34E-13	2.82E-12	2.23E-12	1.62E-16	3.9E-15	2.15E-16	4.27967E-15	3.026E-09	2.2862E-06	2.8581E-07	9.5501E-13	6.53227E-16	4.76676E-13	1.08682E-16
4	570430.6	4177919	0.55, 41779	0.09799	0.08123	0.09661	71.34976	28.07066	72.35504	8.91872	4.01428	9.04438	3.2E-09	2.4E-06	3E-07	9.88E-13	2.98E-12	2.36E-12	1.71E-16	4.13E-15	2.28E-16	4.53058E-15	3.203E-09	2.3988E-06	2.99891E-07	1.011E-12	6.91524E-16	5.04622E-13	1.15054E-16
5	570470.6	4177919	0.55, 41779	0.10292	0.08757	0.10182	71.34124	28.88227	71.18869	8.91766	4.18506	8.89859	3.38E-09	2.36E-06	2.95E-07	1.04E-12	3.15E-12	2.48E-12	1.8E-16	4.35E-15	2.4E-16	4.77493E-15	3.376E-09	2.3601E-06	2.95058E-07	1.06553E-12	7.2882E-16	5.31838E-13	1.21259E-16
6	570510.6	4177919	0.55, 41779	0.10719	0.09397	0.10631	70.57748	29.51269	72.86498	8.82218	4.31581	9.10812	3.52E-09	2.42E-06	3.02E-07	1.09E-12	3.28E-12	2.59E-12	1.88E-16	4.55E-15	2.51E-16	4.98552E-15	3.525E-09	2.4157E-06	3.02003E-07	1.11252E-12	7.60964E-16	5.55294E-13	1.26607E-16
7	570550.6	4177919	0.55, 41779	0.11095	0.10041	0.10942	80.02506	30.00614	83.29269	10.00313	4.88273	10.41159	3.63E-09	2.76E-06	3.45E-07	1.12E-12	3.38E-12	2.67E-12	1.94E-16	4.68E-15	2.58E-16	5.13141E-15	3.628E-09	2.7614E-06	3.45222E-07	1.14508E-12	7.83231E-16	5.71544E-13	1.30312E-16
8	570590.6	4177919	0.55, 41779	0.11537	0.10684	0.11183	81.14556	31.22548	84.40479	10.14319	5.49199	10.5506	3.71E-09	2.8E-06	3.5E-07	1.14E-12	3.45E-12	2.73E-12	1.98E-16	4.78E-15	2.64E-16	5.24448E-15	3.708E-09	2.7982E-06	3.49832E-07	1.17031E-12	8.0049E-16	5.84138E-13	1.33183E-16
9	570630.6	4177919	0.55, 41779	0.12154	0.11343	0.11602	82.02682	32.76834	84.97635	10.54682	6.07261	10.62204	3.85E-09	2.82E-06	3.52E-07	1.19E-12	3.58E-12	2.83E-12	2.05E-16	4.96E-15	2.74E-16	5.44101E-15	3.847E-09	2.8172E-06	3.52203E-07	1.21416E-12	8.30488E-16	6.06028E-13	1.38174E-16
10	570670.6	4177919	0.55, 41779	0.12896	0.11974	0.12346	90.28793	34.09351	94.2666	12.11861	6.60764	13.84836	4.09E-09	3.13E-06	4.59E-07	1.26E-12	3.81E-12	3.01E-12	2.19E-16	5.28E-15	2.91E-16	5.78991E-15	4.094E-09	3.1252E-06	4.59166E-07	1.29202E-12	8.83742E-16	6.44889E-13	1.47035E-16
11	570710.6	4177919	0.55, 41779	0.13589	0.12543	0.13131	92.03158	38.34133	98.54944	11.50395	7.03486	13.72911	4.35E-09	3.27E-06	4.55E-07	1.34E-12	4.06E-12	3.2E-12	2.32E-16	5.62E-15	3.1E-16	6.15803E-15	4.354E-09	3.2672E-06	4.55208E-07	1.37417E-12	9.3993E-16	6.8589E-13	1.56383E-16
12	570750.6	4177919	0.55, 41779	0.14097	0.13029	0.13561	98.93292	42.68075	106.54938	12.36662	7.25038	14.15663	4.5E-09	3.53E-06	4.69E-07	1.39E-12	4.19E-12	3.31E-12	2.4E-16	5.8E-15	3.2E-16	6.3597E-15	4.496E-09	3.5324E-06	4.69387E-07	1.41917E-12	9.70711E-16	7.08352E-13	1.61504E-16
13	570790.6	4177919	0.55, 41779	0.1434	0.13429	0.137	101.78306	44.96916	112.12821	12.72288	7.16867	14.01603	4.54E-09	3.72E-06	4.65E-07	1.4E-12	4.23E-12	3.34E-12	2.43E-16	5.86E-15	3.23E-16	6.42492E-15	4.543E-09	3.7174E-06	4.6473E-07	1.43372E-12	9.80666E-16	7.15617E-13	1.63161E-16
14	570830.6	4177919	0.55, 41779	0.14249	0.1373	0.1371	103.05806	46.92439	113.14313	12.88226	6.63254	14.14289	4.55E-09	3.75E-06	4.69E-07	1.4E-12	4.24E-12	3.35E-12	2.43E-16	5.86E-15	3.24E-16	6.42964E-15	4.546E-09	3.751E-06	4.68936E-07	1.43478E-12	9.81387E-16	7.16142E-13	1.6328E-16
15	570870.6	4177919	0.55, 41779	0.13915	0.13926	0.13269	113.81753	49.41272	127.10432	14.22719	6.17659	15.88804	4.4E-09	4.21E-06	5.27E-07	1.36E-12	4.1E-12	3.24E-12	2.35E-16	5.67E-15	3.13E-16	6.2229E-15	4.4E-09	4.2139E-06	5.26798E-07	1.38864E-12	9.49831E-16	6.93115E-13	1.5803E-16
16	570910.6	4177919	0.55, 41779	0.13537	0.14116	0.12571	103.09741	52.00284	118.27061	16.13684	6.50036	14.78383	4.17E-09	3.92E-06	4.9E-07	1.29E-12	3.88E-12	3.07E-12	2.23E-16	5.38E-15	2.97E-16	5.89566E-15	4.168E-09	3.921E-06	4.90212E-07	1.31562E-12	8.99883E-16	6.56667E-13	1.4972E-16
17	570950.6	4177919	0.55, 41779	0.13129	0.14261	0.12523	128.63222	54.75687	154.09416	19.7206	7.6051	23.34348	4.15E-09	5.11E-06	7.74E-07	1.28E-12	3.87E-12	3.06E-12	2.22E-16	5.36E-15	2.96E-16	5.87317E-15	4.153E-09	5.1086E-06	7.73987E-07	1.3106E-12	8.9645E-16	6.54162E-13	1.49149E-16
18	570990.6	4177919	0.55, 41779	0.12715	0.1442	0.12572	126.51514	58.01026	163.29109	18.07359	9.36612	23.3273	4.17E-09	5.41E-06	7.73E-07	1.29E-12	3.88E-12	3.07E-12	2.23E-16	5.38E-15	2.97E-16	5.89615E-15	4.169E-09	5.4135E-06	7.73435E-07	1.31573E-12	8.99958E-16	6.56722E-13	1.49733E-16
19	571030.6	4177919	0.55, 41779	0.12254	0.14609	0.11762	125.39004	62.99788	174.41478	17.19472	10.49965	21.80185	3.9E-09	5.78E-06	7.23E-07	1.2E-12	3.63E-12	2.87E-12	2.08E-16	5.03E-15	2.78E-16	5.5164E-15	3.9E-09	5.7823E-06	7.22861E-07	1.23099E-12	8.41995E-16	6.14425E-13	1.40089E-16
20	571070.6	4177919	0.55, 41779	0.1201	0.14847	0.1104	126.80092	67.58831	177.9713	16.22667	10.87469	22.24641	3.66E-09	5.9E-06	7.38E-07	1.13E-12	3.41E-12	2.69E-12	1.95E-16	4.72E-15	2.61E-16	5.17792E-15	3.661E-09	5.9002E-06	7.37588E-07	1.15546E-12	7.90331E-16	5.76725E-13	1.31493E-16
21	571110.6	4177919	0.55, 41779	0.1205	0.15044	0.10927	126.62476	68.47754	165.66905	20.2586	9.61445	20.70863	3.62E-09	5.49E-06	6.87E-07	1.12E-12	3.38E-12	2.67E-12	1.93E-16	4.67E-15	2.58E-16	5.12497E-15	3.624E-09	5.4924E-06	6.8665E-07	1.14364E-12	7.82248E-16	5.70826E-13	1.30148E-16
22	571150.6	4177919	0.55, 41779	0.1212	0.15159	0.11602	131.66409	62.22893	172.39569	21.10658	9.19459	24.99313	3.85E-09	5.72E-06	8.29E-07	1.19E-12	3.58E-12	2.83E-12	2.05E-16	4.96E-15	2.74E-16	5.44145E-15	3.847E-09	5.7153E-06	8.28683E-07	1.21426E-12	8.30555E-16	6.06077E-13	1.38185E-16
23	571190.6	4177919	0.55, 41779	0.12215	0.15198	0.11825	137.85581	66.48698	180.99172	19.69369	10.25241	26.94632	3.92E-09	6E-06	8.93E-07	1.21E-12	3.65E-12	2.89E-12	2.09E-16	5.06E-15	2.79E-16	5.54601E-15	3.921E-09	6.0003E-06	8.93416E-07	1.23759E-12	8.46514E-16	6.17723E-13	1.40841E-16
24	571230.6	4177919	0.55, 41779	0.12354	0.15154	0.11348	148.65332	75.08948	179.38421	21.23619	9.50538	22.42303	3.76E-09	5.95E-06	7.43E-07	1.16E-12	3.51E-12	2.77E-12	2.01E-16	4.85E-15	2.68E-16	5.32237E-15	3.763E-09	5.9471E-06	7.43489E-07	1.18769E-12	8.12378E-16	5.92813E-13	1.35161E-16
25	571270.6	4177919	0.55, 41779	0.12544	0.15047	0.11372	135.01221	73.55453	181.97135	18.66937	9.80753	25.99591	3.77E-09	6.03E-06	8.62E-07	1.16E-12	3.51E-12	2.78E-12	2.01E-16	4.86E-15	2.68E-16	5.33361E-15	3.771E-09	6.0328E-06	8.61902E-07	1.1902E-12	8.14094E-16	5.94065E-13	1.35447E-16
26	571310.6	4177919	0.55, 41779	0.12844	0.14895	0.1185	144.25948	74.57026	160.72945	18.03243	9.63087	20.79832	3.93E-09	5.33E-06	6.9E-07	1.21E-12	3.66E-12	2.89E-12	2.1E-16	5.07E-15	2.8E-16	5.5577E-15	3.929E-09	5.3287E-06	6.89602E-07	1.2402E-12	8.48299E-16	6.19025E-13	1.41138E-16
27	571350.6	4177919	0.55, 41779	0.13264	0.1484	0.12186	134.13439	65.82548	182.86761	16.7668	8.49886	22.85845	4.04E-09	6.06E-06	7.58E-07	1.25E-12	3.76E-12	2.97E-12	2.16E-16	5.21E-15	2.88E-16	5.71523E-15	4.041E-09	6.0625E-06	7.57882E-07	1.27536E-12	8.72344E-16	6.36571E-13	1.45138E-16
28	571390.6	4177919	0.55, 41779	0.13487	0.1464	0.12015	140.45529	51.40311	177.22554	17.55691	7.98518	22.15319	3.98E-09	5.88E-06	7.35E-07	1.23E-12	3.71E-12	2.93E-12	2.13E-16	5.14E-15	2.84E-16	5.63504E-15	3.984E-09	5.8754E-06	7.3451E-07	1.25746E-12	8.60104E-16	6.27639E-13	1.43102E-16
29	571430.6	4177919	0.55, 41779	0.14548	0.15293	0.12366	139.19794	49.3636	190.22803	17.39974	7.65374	23.7785	4.1E-09	6.31E-06	7.88E-07	1.27E-12	3.82E-12	3.02E-12	2.19E-16	5.29E-15	2.92E-16	5.7997E-15	4.101E-09	6.3064E-06	7.88386E-07	1.2942E-12	8.85235E-16	6.45979E-13	1.47283E-16
30	571470.6	4177919	0.55, 41779	0.15916	0.16179	0.13045	134.87595	45.89373	190.37308	16.85949	6.86379	23.79664	4.33E-09	6.31E-06	7.89E-07	1.33E-12	4.03E-12	3.18E-12	2.31E-16	5.58E-15	3.08E-16	6.11816E-15	4.326E-09	6.3111E-06	7.88982E-07	1.36527E-12	9.33844E-16	6.8145E-13	1.55371E-16
31	571510.6	4177919	0.55, 41779	0.17426	0.17151	0.14116	122.2315	42.4201	161.48029	15.27894	5.85942	20.18504	4.68E-09	5.35E-06	6.69E-07	1.44E-12	4.36E-12	3.44E-12	2.5E-16	6.04E-15	3.33E-16	6.62043E-15	4.681E-09	5.3533E-06	6.69248E-07	1.47735E-12	1.01051E-15	7.37393E-13	1.68126E-16
32	571550.6	4177919	0.55, 41779	0.18787	0.18026	0.15558	112.99449	35.73716	155.78517	14.12431	5.76206	19.47315	5.16E-09	5.16E-06	6.46E-07	1.59E-12	4.81E-12	3.8E-12	2.75E-16	6.65E-15	3.67E-16	7.29662E-15	5.159E-09	5.1645E-06	6.45639E-07	1.62824E-12	1.11372E-15	8.12708E-13	1.85297E-16
33	571590.6	4177919	0.55, 41779	0.19949	0.18751	0.17419	94.68734	29.26563	123.69427	11.83592	5.30509	15.46178	5.78E-09	4.1E-06	5.13E-07	1.78E-12	5.38E-12	4.25E-12	3.08E-16	7.45E-15	4.11E-16	8.16924E-15	5.776E-09	4.1006E-06	5.12646E-07	1.82297E-12	1.24691E-15	9.09902E-13	2.07458E-16
34	570310.6	4177959	0.55, 41779	0.08597	0.06676	0.0838	56.89619	26.25101	62.23098	7.11202	4.18522	7.77887	2.78E-09	2.06E-06	2.58E-07	8.57E-13	2.59E-12	2.04E-12	1.48E-16	3.58E-15	1.98E-16	3.92981E-15	2.778E-09	2.0631E-06	2.57925E-07	8.76937E-13	5.99825E-16	4.37707E-13	9.97973E-17
35	570350.6	4177959	0.55, 41779	0.09204	0.07257	0.08995	58.96006	27.16756	63.77509	7.37001	4.19821	7.97189	2.98E-09	2.11E-06	2.64E-07	9.2E-13	2.78E-12	2.19E-12	1.59E-16	3.85E-15	2.12E-16	4.21822E-15	2.982E-09	2.1143E-06	2.64325E-07	9.41297E-13	6.43847E-16	4.69831E-13	1.07122E-16
36	570390.6	4177959	0.55, 41779	0.09833	0.07904	0.09639	63.0038	28.02201	66.12463	7.87548	4.15896	8.26558	3.2E-09	2.19E-06	2.74E-07	9.86E-13	2.98E-12	2.35E-12	1.71E-16	4.12E-15	2.28E-16	4.52024E-15	3.196E-09	2.1922E-06	2.74065E-07	1.00869E-12	6.89946E-16	5.03471E-13	1.14791E-16
37	570430.6	4177959	0.55, 41779	0.10461	0.08611	0.10266	70.72142	28.76698	72.80329	8.84018	4.23038	9.10041	3.4E-09	2.41E-06	3.02E-07	1.05E-12	3.17E-12	2.51E-12	1.82E-16	4.39E-15	2.42E-16	4.81429E-15	3.404E-09	2.4136E-06	3.01748E-07	1.07431E-12	7.34829E-16	5.36223E-13	1.22259E-16
38	570470.6	4177959	0.55, 41779	0.11098	0.09385	0.10929	78.78718	29.82596	80.74124	9.8484	4.47695	10.09265	3.62E-09	2.68E-06	3.35E-07	1.12E-12	3.38E-12	2.67E-12	1.93E-16	4.67E-15	2.58E-16	5.12524E-15	3.624E-09	2.6768E-06	3.34648E-07	1.1437E-12	7.8229E-16	5.70856E-13	1.30155E-16
39	570510.6	4177959	0.55, 41779	0.1169	0.10189	0.11567	83.26174	30.87615	84.48278	10.40772	4.70339	10.56035	3.84E-09	2.8E-06	3.5E-07	1.18E-12	3.57E-12	2.82E-12	2.05E-16	4.95E-15	2.73E-16	5.42446E-15	3.835E-09	2.8008E-06	3.50157E-07	1.21047E-12	8.27962E-16	6.04184E-13	1.37754E-16
40	570550.6	4177959	0.55, 41779	0.12213	0.11	0.12099	82.46075	31.83495	82.01237	10.30759	4.9071	10.25155	4.01E-09	2.72E-06	3.4E-07	1.24E-12	3.74E-12	2.95E-12	2.14E-16	5.17E-15	2.86E-16	5.67399E-15	4.012E-09	2.7189E-06	3.3992E-07	1.26615E-12	8.66048E-16	6.31977E-13	1.44091E-16
41	570590.6	4177959	0.55, 41779	0.1275	0.1185	0.12492	87.61849	32.53805	91.54904	10.95231	5.6614	11.44363	4.14E-09	3.04E-06	3.79E-07	1.28E-12	3.86E-12	3.05E-12	2.21E-16	5.34E-15	2.95E-16	5.85835E-15	4.142E-09	3.0351E-06	3.79442E-07	1.30729E-12	8.94188E-16	6.52511E-13	1.48773E-16
42	570630.6	4177959	0.55, 41779	0.13429	0.12721	0.12893	94.25098	33.95012	99.61773	11.78137	6.34882	12.45222	4.28E-09	3.3E-06	4.13E-07	1.32E-12	3.98E-12	3.15E-12	2.28E-16	5.51E-15	3.04E-16	6.04646E-15	4.275E-09	3.3026E-06	4.12883E-07	1.34927E-12	9.22901E-16	6.73464E-13	1.5355E-16
43	570670.6	4177959	0.55, 41779	0.1434	0.13582	0.13624	91.47953	35.4429	96.20253	12.89467	6.97952	13.63762	4.52E-09	3.19E-06	4.52E-07	1.39E-12	4.21E-12	3.32E-12	2.41E-16	5.83E-15	3.22E-16	6.3893E-15	4.517E-09	3.1894E-06	4.52187E-07	1.42577E-12	9.7523E-16	7.1165E-13	1.62256E-16
44	570710.6	4177959	0.55, 41779	0.15342	0.14402	0.1467	103.54122	38.62398	108.53691	12.94265	7.57754	15.98544	4.86E-09	3.6E-06	5.3E-07	1.5E-12	4.53E-12	3.58E-12	2.6E-16	6.27E-15	3.46E-16	6.87982E-15	4.864E-09	3.5983E-06	5.30015E-07	1.53523E-12	1.0501E-15	7.66285E-13	1.74713E-16
45	570750.6	4177959	0.55, 41779	0.16261	0.1515	0.15549	105.52732	44.38977	114.23814	13.19092	8.09206	15.7724	5.16E-09	3.79E-06	5.23E-07	1.59E-12	4.8E-12	3.79E-12	2.75E-16	6.65E-15	3.67E-16	7.29203E-15	5.156E-09	3.7873E-06	5.22955E-07	1.62722E-12	1.11302E-15	8.12197E-13	1.85181E-16
46	570790.6	4177959	0.55, 41779	0.16989	0.15823	0.16076	113.60479	47.24143	124.57926	14.2006	8.3928	15.57241	5.33E-09	4.13E-06	5.16E-07	1.64E-12	4.97E-12	3.92E-12	2.85E-16	6.88E-15	3.8E-16	7.5392E-15	5.33E-09	4.1301E-06	5.16335E-07	1.68238E-12	1.15074E-15	8.39727E-13	1.91458E-16
47	570830.6	4177959	0.55, 41779	0.1738	0.16401	0.16481	115.20896	49.45722	130.36471	14.40112	8.28774	16.29559	5.46E-09	4.32E-06	5.4E-07	1.69E-12	5.09E-12	4.02E-12	2.92E-16	7.05E-15	3.89E-16	7.72916E-15	5.465E-09	4.3219E-06	5.40309E-07	1.72476E-12	1.17974E-15	8.60885E-13	1.96282E-16
48	570870.6	4177959	0.55, 41779	0.17339	0.16851	0.16469	122.33209	52.01335	138.82114	15.29151	7.46689	17.35264	5.46E-09	4.6E-06	5.75E-07	1.69E-12	5.09E-12	4.02E-12	2.92E-16	7.04E-15	3.89E-16	7.72358E-15	5.461E-09	4.6023E-06	5.75357E-07	1.72352E-12	1.17889E-15	8.60264E-13	1.9614E-16
49	570910.6	4177959	0.55, 41779	0.16973	0.17204	0.1579	128.70888	55.67631	149.19916	16.08861	6.95954	18.64989	5.24E-09	4.95E-06	6.18E-07	1.62E-12	4.88E-12	3.85E-12	2.8E-16	6.75E-15	3.73E-16	7.40527E-15	5.236E-09	4.9463E-06	6.18367E-07	1.65249E-12	1.1303E-15	8.2481E-13	1.88057E-16
50	570950.6	4177959	0.55, 41779	0.16375	0.1746	0.15354	137.78687	58.35606	146.62449	21.41966	8.40086	22.62642	5.09E-09	4.86E-06	7.5E-07	1.57E-12	4.74E-12	3.75E-12	2.72E-16	6.57E-15	3.62E-16	7.20088E-15	5.091E-09	4.861E-06	7.50232E-07	1.60688E-12	1.0991E-15	8.02044E-13	1.82866E-16
51	570990.6	4177959	0.55, 41779	0.1571	0.17611	0.15296	148.41379	62.43724	189.01685	21.20197	10.20575	28.13097	5.07E-09	6.27E-06	9.33E-07	1.57E-12	4.73E-12	3.73E-12	2.71E-16	6.54E-15	3.61E-16	7.17369E-15	5.072E-09	6.2663E-06	9.32699E-07	1.60081E-12	1.09496E-15	7.99017E-13	1.82176E-16
52	571030.6	4177959	0.55, 41779	0.15135	0.1787	0.14372	141.29712	68.4386	198.29024	19.05284	11.40643	25.9054	4.77E-09	6.57E-06	8.59E-07	1.47E-12	4.44E-12	3.51E-12	2.54E-16	6.15E-15	3.39E-16	6.7405E-15	4.766E-09	6.5738E-06	8.58905E-07	1.50415E-12	1.02884E-15	7.50767E-13	1.71175E-16
53	571070.6	4177959	0.55, 41779	0.14838	0.1815	0.13361	143.49488	74.36914	202.29359	18.79197	11.80682	25.2867	4.43E-09	6.71E-06	8.38E-07	1.37E-12	4.13E-12	3.26E-12	2.37E-16	5.71E-15	3.15E-16	6.26653E-15	4.431E-09	6.7065E-06	8.38394E-07	1.39838E-12	9.56491E-16	6.97975E-13	1.59138E-16
54	571110.6	4177959	0.55, 41779	0.14858	0.18375	0.13332	140.62761	73.34522	192.64407	22.74237	10.22286	24.08051	4.42E-09	6.39E-06	7.98E-07	1.36E-12	4.12E-12	3.25E-12	2.36E-16	5.7E-15	3.15E-16	6.25296E-15	4.421E-09	6.3866E-06	7.98446E-07	1.39535E-12	9.54419E-16	6.96464E-13	1.58794E-16
55	571150.6	4177959	0.55, 41779	0.14994	0.18566	0.14292	146.3467	67.83983	199.40983	22.92053	11.48399	30.37919	4.74E-09	6.61E-06	1.01E-06	1.46E-12	4.42E-12	3.49E-12	2.53E-16	6.11E-15	3.37E-16	6.70308E-15	4.739E-09	6.6109E-06	1.00724E-06	1.49579E-12	1.02312E-15	7.46598E-13	1.70224E-16
56	571190.6	4177959	0.55, 41779	0.1525	0.18616	0.14359	161.89014	78.97315	204.49698	23.12716	11.84075	29.21385	4.76E-09	6.78E-06	9.69E-07	1.47E-12	4.44E-12	3.5E-12	2.54E-16	6.14E-15	3.39E-16	6.7345E-15	4.761E-09	6.7796E-06	9.68613E-07	1.50281E-12	1.02792E-15	7.50098E-13	1.71022E-16
57	571230.6	4177959	0.55, 41779	0.15542	0.18516	0.1383	156.07845	81.92899	197.17574	22.29692	11.22006	24.64697	4.59E-09	6.54E-06	8.17E-07	1.42E-12	4.27E-12	3.38E-12	2.45E-16	5.92E-15	3.27E-16	6.48647E-15	4.586E-09	6.5369E-06	8.17219E-07	1.44746E-12	9.90061E-16	7.22472E-13	1.64724E-16
58	571270.6	4177959	0.55, 41779	0.15909	0.18379	0.14205	158.42767	82.70179	205.30007	19.80346	11.54254	29.32858	4.71E-09	6.81E-06	9.72E-07	1.45E-12	4.39E-12	3.47E-12	2.52E-16	6.08E-15	3.35E-16	6.66228E-15	4.71E-09	6.8063E-06	9.72386E-07	1.48669E-12	1.0169E-15	7.42054E-13	1.69188E-16
59	571310.6	4177959	0.55, 41779	0.1655	0.18382	0.1484	150.26158	75.50789	204.0765	18.7827	10.48328	25.50956	4.92E-09	6.77E-06	8.46E-07	1.52E-12	4.58E-12	3.62E-12	2.63E-16	6.35E-15	3.5E-16	6.96E-15	4.921E-09	6.7656E-06	8.45781E-07	1.55313E-12	1.06234E-15	7.75215E-13	1.76749E-16
60	571350.6	4177959	0.55, 41779	0.17654	0.1881	0.15257	154.82597	60.83045	189.56737	19.35325	9.71095	23.69592	5.06E-09	6.28E-06	7.86E-07	1.56E-12	4.71E-12	3.72E-12	2.7E-16	6.53E-15	3.6E-16	7.15557E-15	5.059E-09	6.2846E-06	7.85666E-07	1.59677E-12	1.09219E-15	7.96998E-13	1.81716E-16
61	571390.6	4177959	0.55, 41779	0.18842	0.1934	0.15428	152.92189	54.55359	214.59873	19.11524	9.16318	26.82484	5.12E-09	7.11E-06	8.89E-07	1.58E-12	4.77E-12	3.77E-12	2.73E-16	6.6E-15	3.64E-16	7.23582E-15	5.116E-09	7.1143E-06	8.89384E-07	1.61468E-12	1.10444E-15	8.05936E-13	1.83754E-16
62	571430.6	4177959	0.55, 41779	0.20645	0.20414	0.16292	148.33328	50.38722	217.66749	18.54166	8.09078	27.20844	5.4E-09	7.22E-06	9.02E-07	1.67E-12	5.03E-12	3.98E-12	2.88E-16	6.97E-15	3.85E-16	7.64105E-15	5.402E-09	7.216E-06	9.02095E-07	1.7051E-12	1.16629E-15	8.51072E-13	1.94044E-16
63	571470.6	4177959	0.55, 41779	0.22554	0.21577	0.17809	134.13897	46.24246	185.84967	16.76737	6.92684	23.23121	5.91E-09	6.16E-06	7.7E-07	1.82E-12	5.5E-12	4.35E-12	3.15E-16	7.62E-15	4.2E-16	8.35245E-15	5.905E-09	6.1612E-06	7.70238E-07	1.86385E-12	1.27487E-15	9.30308E-13	2.1211E-16
64	571510.6	4177959	0.55, 41779	0.24332	0.22654	0.20114	122.33786	38.55117	174.21255	15.29223	6.75463	21.77657	6.67E-09	5.78E-06	7.22E-07	2.06E-12	6.21E-12	4.91E-12	3.56E-16	8.6E-15	4.75E-16	9.43329E-15	6.67E-09	5.7754E-06	7.22005E-07	2.10504E-12	1.43985E-15	1.05069E-12	2.39558E-16
65	571550.6	4177959	0.55, 41779	0.25539	0.23344	0.22684	100.38932	31.1899	131.18831	12.54867	6.13877	16.39854	7.52E-09	4.35E-06	5.44E-07	2.32E-12	7.01E-12	5.54E-12	4.02E-16	9.7E-15	5.36E-16	1.06383E-14	7.522E-09	4.3491E-06	5.43705E-07	2.37394E-12	1.62378E-15	1.18491E-12	2.7016E-16
66	571590.6	4177959	0.55, 41779	0.26174	0.2364	0.25018	103.20811	24.1035	113.64553	12.90101	5.55119	14.20569	8.3E-09	3.77E-06	4.71E-07	2.56E-12	7.73E-12	6.11E-12	4.43E-16	1.07E-14	5.91E-16	1.17326E-14	8.295E-09	3.7675E-06	4.71018E-07	2.61814E-12	1.79081E-15	1.3068E-12	2.9795E-16
67	570310.6	4177999	0.55, 41779	0.08992	0.06909	0.08739	61.55411	26.71644	63.33313	7.69426	4.42886	7.91664	2.9E-09	2.1E-06	2.62E-07	8.94E-13	2.7E-12	2.13E-12	1.55E-16	3.74E-15	2.06E-16	4.09815E-15	2.898E-09	2.0997E-06	2.62497E-07	9.14504E-13	6.25521E-16	4.56458E-13	1.04072E-16
68	570350.6	4177999	0.55, 41779	0.09687	0.07551	0.09431	63.16088	27.72336	68.96816	7.89511	4.52605	8.62102	3.13E-09	2.29E-06	2.86E-07	9.65E-13	2.91E-12	2.3E-12	1.67E-16	4.03E-15	2.23E-16	4.42268E-15	3.127E-09	2.2865E-06	2.85848E-07	9.86922E-13	6.75054E-16	4.92604E-13	1.12314E-16
69	570390.6	4177999	0.55, 41779	0.10411	0.08268	0.10154	65.18315	28.66629	70.59128	8.14789	4.5901	8.82391	3.37E-09	2.34E-06	2.93E-07	1.04E-12	3.14E-12	2.48E-12	1.8E-16	4.34E-15	2.4E-16	4.76174E-15	3.367E-09	2.3403E-06	2.92576E-07	1.06258E-12	7.26808E-16	5.3037E-13	1.20924E-16
70	570430.6	4177999	0.55, 41779	0.11178	0.0909	0.10932	69.77828	29.77159	73.90272	8.72229	4.64595	9.23784	3.62E-09	2.45E-06	3.06E-07	1.12E-12	3.38E-12	2.67E-12	1.94E-16	4.68E-15	2.58E-16	5.12661E-15	3.625E-09	2.4501E-06	3.06302E-07	1.144E-12	7.82499E-16	5.71009E-13	1.3019E-16
71	570470.6	4177999	0.55, 41779	0.11947	0.09994	0.11702	73.23749	30.82615	79.61188	9.15469	4.70414	9.95148	3.88E-09	2.64E-06	3.3E-07	1.2E-12	3.62E-12	2.86E-12	2.07E-16	5E-15	2.76E-16	5.48774E-15	3.88E-09	2.6394E-06	3.29962E-07	1.22459E-12	8.3762E-16	6.11232E-13	1.39361E-16
72	570510.6	4177999	0.55, 41779	0.12689	0.1096	0.1248	83.36058	31.87471	86.19643	10.42007	5.00665	10.77455	4.14E-09	2.86E-06	3.57E-07	1.28E-12	3.86E-12	3.05E-12	2.21E-16	5.34E-15	2.95E-16	5.85262E-15	4.138E-09	2.8576E-06	3.57258E-07	1.30601E-12	8.93313E-16	6.51873E-13	1.48627E-16
73	570550.6	4177999	0.55, 41779	0.1338	0.11968	0.13227	93.92369	33.13511	96.59692	11.74046	5.30601	12.07462	4.39E-09	3.2E-06	4E-07	1.35E-12	4.09E-12	3.23E-12	2.34E-16	5.66E-15	3.12E-16	6.20297E-15	4.386E-09	3.2024E-06	4.00365E-07	1.3842E-12	9.46789E-16	6.90896E-13	1.57524E-16
74	570590.6	4177999	0.55, 41779	0.14077	0.13095	0.13895	98.98148	34.43475	100.81152	12.37268	5.77536	12.60144	4.61E-09	3.34E-06	4.18E-07	1.42E-12	4.29E-12	3.39E-12	2.46E-16	5.94E-15	3.28E-16	6.5163E-15	4.607E-09	3.3421E-06	4.17835E-07	1.45411E-12	9.94614E-16	7.25795E-13	1.65481E-16
75	570630.6	4177999	0.55, 41779	0.14863	0.14246	0.14416	96.29887	35.58815	97.29546	12.03736	6.62596	12.16193	4.78E-09	3.23E-06	4.03E-07	1.48E-12	4.45E-12	3.52E-12	2.55E-16	6.17E-15	3.4E-16	6.76071E-15	4.78E-09	3.2256E-06	4.03262E-07	1.50865E-12	1.03192E-15	7.53018E-13	1.71688E-16
76	570670.6	4177999	0.55, 41779	0.15906	0.15417	0.15133	108.0953	37.02771	115.61321	13.51191	7.37805	14.45165	5.02E-09	3.83E-06	4.79E-07	1.55E-12	4.68E-12	3.69E-12	2.68E-16	6.47E-15	3.57E-16	7.09702E-15	5.018E-09	3.8328E-06	4.79177E-07	1.5837E-12	1.08325E-15	7.90477E-13	1.80229E-16
77	570710.6	4177999	0.55, 41779	0.17207	0.16581	0.16328	109.21603	39.28347	116.55796	14.39109	8.06843	17.60456	5.41E-09	3.86E-06	5.84E-07	1.67E-12	5.04E-12	3.98E-12	2.89E-16	6.98E-15	3.85E-16	7.65744E-15	5.414E-09	3.8642E-06	5.837E-07	1.70876E-12	1.16879E-15	8.52897E-13	1.94461E-16
78	570750.6	4177999	0.55, 41779	0.18601	0.17706	0.17647	119.66853	46.10023	126.10142	14.95857	8.7788	16.77146	5.85E-09	4.18E-06	5.56E-07	1.81E-12	5.45E-12	4.31E-12	3.12E-16	7.55E-15	4.17E-16	8.276E-15	5.851E-09	4.1806E-06	5.56089E-07	1.84679E-12	1.26321E-15	9.21793E-13	2.10169E-16
79	570790.6	4177999	0.55, 41779	0.19953	0.18772	0.18696	122.67556	49.8289	134.57394	15.33445	9.45426	16.82174	6.2E-09	4.46E-06	5.58E-07	1.91E-12	5.78E-12	4.56E-12	3.31E-16	8E-15	4.41E-16	8.76796E-15	6.199E-09	4.4615E-06	5.57759E-07	1.95657E-12	1.3383E-15	9.76588E-13	2.22662E-16
80	570830.6	4177999	0.55, 41779	0.21109	0.19773	0.1968	133.54261	52.4094	148.58094	16.69283	9.90962	18.57262	6.53E-09	4.93E-06	6.16E-07	2.01E-12	6.08E-12	4.8E-12	3.48E-16	8.42E-15	4.65E-16	9.22943E-15	6.525E-09	4.9258E-06	6.15811E-07	2.05955E-12	1.40873E-15	1.02799E-12	2.34381E-16
81	570870.6	4177999	0.55, 41779	0.21804	0.20674	0.20398	131.45449	55.15858	156.57352	16.43181	9.77159	19.57169	6.76E-09	5.19E-06	6.49E-07	2.09E-12	6.3E-12	4.98E-12	3.61E-16	8.72E-15	4.82E-16	9.56618E-15	6.764E-09	5.1908E-06	6.48927E-07	2.1347E-12	1.46013E-15	1.06549E-12	2.42933E-16
82	570910.6	4177999	0.55, 41779	0.21803	0.21414	0.20286	148.11273	59.13207	173.84644	18.51409	8.43226	21.73081	6.73E-09	5.76E-06	7.21E-07	2.08E-12	6.27E-12	4.95E-12	3.59E-16	8.68E-15	4.79E-16	9.51375E-15	6.727E-09	5.7634E-06	7.20518E-07	2.123E-12	1.45213E-15	1.05966E-12	2.41601E-16
83	570950.6	4177999	0.55, 41779	0.2114	0.21889	0.19586	140.12444	63.58464	170.21851	21.83562	9.32684	21.27731	6.49E-09	5.64E-06	7.06E-07	2E-12	6.05E-12	4.78E-12	3.47E-16	8.38E-15	4.62E-16	9.1856E-15	6.494E-09	5.6432E-06	7.05515E-07	2.04977E-12	1.40204E-15	1.02311E-12	2.33268E-16
84	570990.6	4177999	0.55, 41779	0.2013	0.22185	0.19061	171.25011	67.61488	221.4052	25.43318	11.18299	33.45295	6.32E-09	7.34E-06	1.11E-06	1.95E-12	5.89E-12	4.65E-12	3.37E-16	8.15E-15	4.5E-16	8.93948E-15	6.32E-09	7.34E-06	1.10915E-06	1.99485E-12	1.36448E-15	9.95693E-13	2.27018E-16
85	571030.6	4177999	0.55, 41779	0.19301	0.22456	0.1804	161.4506	75.02365	233.40135	21.94671	12.50394	33.34305	5.98E-09	7.74E-06	1.11E-06	1.85E-12	5.57E-12	4.4E-12	3.19E-16	7.72E-15	4.26E-16	8.46081E-15	5.982E-09	7.7377E-06	1.10548E-06	1.88803E-12	1.29141E-15	9.42378E-13	2.14862E-16
86	571070.6	4177999	0.55, 41779	0.18927	0.22808	0.16676	165.36156	82.48884	231.46597	21.97245	12.95225	28.93325	5.53E-09	7.67E-06	9.59E-07	1.71E-12	5.15E-12	4.07E-12	2.95E-16	7.13E-15	3.94E-16	7.82134E-15	5.53E-09	7.6736E-06	9.59301E-07	1.74534E-12	1.19381E-15	8.71153E-13	1.98623E-16
87	571110.6	4177999	0.55, 41779	0.18141	0.21619	0.16049	158.60632	80.72549	237.56536	25.62624	11.81551	29.69982	5.32E-09	7.88E-06	9.85E-07	1.64E-12	4.96E-12	3.92E-12	2.84E-16	6.86E-15	3.79E-16	7.52723E-15	5.322E-09	7.8758E-06	9.84745E-07	1.6797E-12	1.14892E-15	8.38394E-13	1.91154E-16
88	571150.6	4177999	0.55, 41779	0.19202	0.23351	0.18032	164.05988	80.42402	231.86209	24.96785	14.13496	37.65816	5.98E-09	7.69E-06	1.25E-06	1.85E-12	5.57E-12	4.4E-12	3.19E-16	7.71E-15	4.26E-16	8.45716E-15	5.979E-09	7.6867E-06	1.24855E-06	1.88722E-12	1.29086E-15	9.41971E-13	2.14769E-16
89	571190.6	4177999	0.55, 41779	0.1978	0.23414	0.17819	182.21875	91.74664	241.78028	26.03125	13.21695	31.92825	5.91E-09	8.02E-06	1.06E-06	1.82E-12	5.51E-12	4.35E-12	3.16E-16	7.62E-15	4.21E-16	8.35731E-15	5.909E-09	8.0156E-06	1.05862E-06	1.86494E-12	1.27562E-15	9.3085E-13	2.12234E-16
90	571230.6	4177999	0.55, 41779	0.20367	0.23289	0.17473	172.67663	91.69738	231.55794	22.62496	13.85272	33.07971	5.79E-09	7.68E-06	1.1E-06	1.79E-12	5.4E-12	4.26E-12	3.09E-16	7.47E-15	4.13E-16	8.19509E-15	5.794E-09	7.6768E-06	1.09676E-06	1.82874E-12	1.25086E-15	9.12781E-13	2.08114E-16
91	571270.6	4177999	0.55, 41779	0.21358	0.23476	0.18394	171.66845	86.35935	210.57834	21.45856	13.01074	28.58393	6.1E-09	6.98E-06	9.48E-07	1.88E-12	5.68E-12	4.49E-12	3.26E-16	7.87E-15	4.34E-16	8.62693E-15	6.099E-09	6.9813E-06	9.47717E-07	1.9251E-12	1.31677E-15	9.6088E-13	2.19081E-16
92	571310.6	4177999	0.55, 41779	0.23025	0.24083	0.19159	171.26207	72.34733	231.62674	21.40776	11.81711	28.95334	6.35E-09	7.68E-06	9.6E-07	1.96E-12	5.92E-12	4.68E-12	3.39E-16	8.19E-15	4.52E-16	8.98569E-15	6.353E-09	7.6789E-06	9.59962E-07	2.00516E-12	1.37153E-15	1.00084E-12	2.28191E-16
93	571350.6	4177999	0.55, 41779	0.25373	0.25254	0.198	169.27826	60.68614	249.61103	21.15978	11.13084	31.20138	6.57E-09	8.27E-06	1.03E-06	2.03E-12	6.12E-12	4.83E-12	3.51E-16	8.47E-15	4.67E-16	9.28638E-15	6.566E-09	8.2749E-06	1.03448E-06	2.07226E-12	1.41743E-15	1.03433E-12	2.35827E-16
94	571390.6	4177999	0.55, 41779	0.27999	0.26698	0.21185	164.13881	55.69534	253.30621	20.51735	9.69774	31.66328	7.03E-09	8.4E-06	1.05E-06	2.17E-12	6.55E-12	5.17E-12	3.75E-16	9.06E-15	5E-16	9.93593E-15	7.025E-09	8.3974E-06	1.04978E-06	2.21721E-12	1.51657E-15	1.10668E-12	2.52323E-16
95	571430.6	4177999	0.55, 41779	0.30187	0.27888	0.2328	148.06777	50.74185	217.39094	18.50847	8.30154	27.17387	7.72E-09	7.21E-06	9.01E-07	2.38E-12	7.19E-12	5.68E-12	4.12E-16	9.96E-15	5.5E-16	1.09183E-14	7.72E-09	7.2068E-06	9.00948E-07	2.43643E-12	1.66652E-15	1.2161E-12	2.77271E-16
96	571470.6	4177999	0.55, 41779	0.32222	0.29016	0.268	133.22849	41.8567	195.88733	16.65356	8.00082	24.48592	8.89E-09	6.49E-06	8.12E-07	2.74E-12	8.28E-12	6.54E-12	4.75E-16	1.15E-14	6.33E-16	1.25688E-14	8.887E-09	6.4939E-06	8.11829E-07	2.80474E-12	1.91844E-15	1.39993E-12	3.19185E-16
97	571510.6	4177999	0.55, 41779	0.33311	0.29527	0.30394	113.25391	33.39085	138.27651	14.15674	7.16119	17.28456	1.01E-08	4.58E-06	5.73E-07	3.11E-12	9.39E-12	7.42E-12	5.38E-16	1.3E-14	7.18E-16	1.42539E-14	1.008E-08	4.5841E-06	5.7309E-07	3.18077E-12	2.17565E-15	1.58762E-12	3.61978E-16
98	571550.6	4177999	0.55, 41779	0.33431	0.29408	0.33024	118.79132	25.19774	142.42424	14.84891	6.75336	17.80303	1.09E-08	4.72E-06	5.9E-07	3.38E-12	1.02E-11	8.06E-12	5.85E-16	1.41E-14	7.8E-16	1.5487E-14	1.095E-08	4.7215E-06	5.90283E-07	3.45592E-12	2.36385E-15	1.72496E-12	3.93291E-16
99	571590.6	4177999	0.55, 41779	0.32897	0.28857	0.34209	117.12124	19.87515	150.29933	14.64016	6.7762	18.78742	1.13E-08	4.98E-06	6.23E-07	3.5E-12	1.06E-11	8.35E-12	6.06E-16	1.46E-14	8.08E-16	1.60425E-14	1.134E-08	4.9825E-06	6.22913E-07	3.57989E-12	2.44864E-15	1.78684E-12	4.07398E-16
100	570310.6	4178039	0.55, 41780	0.09395	0.07118	0.09114	60.38117	27.45867	68.75884	7.54765	4.57644	8.59485	3.02E-09	2.28E-06	2.85E-07	9.32E-13	2.82E-12	2.22E-12	1.61E-16	3.9E-15	2.15E-16	4.274E-15	3.022E-09	2.2795E-06	2.84977E-07	9.53744E-13	6.52361E-16	4.76044E-13	1.08538E-16
101	570350.6	4178039	0.55, 41780	0.10181	0.07823	0.09867	67.40685	28.30867	69.9761	8.42586	4.71811	8.74701	3.27E-09	2.32E-06	2.9E-07	1.01E-12	3.05E-12	2.41E-12	1.75E-16	4.22E-15	2.33E-16	4.62713E-15	3.272E-09	2.3199E-06	2.90029E-07	1.03255E-12	7.06261E-16	5.15377E-13	1.17506E-16
102	570390.6	4178039	0.55, 41780	0.11033	0.08626	0.10708	70.86935	29.39362	77.00767	8.85867	4.86131	9.62596	3.55E-09	2.55E-06	3.19E-07	1.1E-12	3.31E-12	2.61E-12	1.9E-16	4.58E-15	2.53E-16	5.02153E-15	3.55E-09	2.553E-06	3.19169E-07	1.12056E-12	7.66461E-16	5.59306E-13	1.27522E-16
103	570430.6	4178039	0.55, 41780	0.11935	0.09539	0.11615	72.77771	30.53752	78.92837	9.09721	4.99157	9.86605	3.85E-09	2.62E-06	3.27E-07	1.19E-12	3.59E-12	2.83E-12	2.06E-16	4.97E-15	2.74E-16	5.44689E-15	3.851E-09	2.6167E-06	3.2713E-07	1.21548E-12	8.31386E-16	6.06683E-13	1.38324E-16
104	570470.6	4178039	0.55, 41780	0.12876	0.10583	0.1256	77.88414	31.78332	83.40463	9.73552	5.12346	10.42558	4.16E-09	2.77E-06	3.46E-07	1.29E-12	3.88E-12	3.06E-12	2.22E-16	5.37E-15	2.96E-16	5.89008E-15	4.164E-09	2.7651E-06	3.45684E-07	1.31437E-12	8.99032E-16	6.56046E-13	1.49579E-16
105	570510.6	4178039	0.55, 41780	0.13797	0.11733	0.13491	81.61557	33.05226	90.60057	10.20195	5.27698	11.32507	4.47E-09	3E-06	3.76E-07	1.38E-12	4.17E-12	3.29E-12	2.39E-16	5.77E-15	3.18E-16	6.32672E-15	4.473E-09	3.0036E-06	3.75505E-07	1.41181E-12	9.65678E-16	7.0468E-13	1.60667E-16
106	570550.6	4178039	0.55, 41780	0.14677	0.12979	0.14418	83.22783	34.40977	92.92473	10.40348	5.64664	11.61559	4.78E-09	3.08E-06	3.85E-07	1.48E-12	4.45E-12	3.52E-12	2.55E-16	6.17E-15	3.4E-16	6.7615E-15	4.781E-09	3.0807E-06	3.85137E-07	1.50883E-12	1.03204E-15	7.53106E-13	1.71708E-16
107	570590.6	4178039	0.55, 41780	0.15543	0.14397	0.15331	100.7883	35.81672	104.85134	12.59854	6.05306	13.10642	5.08E-09	3.48E-06	4.35E-07	1.57E-12	4.74E-12	3.74E-12	2.71E-16	6.56E-15	3.62E-16	7.18973E-15	5.083E-09	3.4761E-06	4.34576E-07	1.60439E-12	1.0974E-15	8.00803E-13	1.82583E-16
108	570630.6	4178039	0.55, 41780	0.16446	0.15887	0.16086	114.63184	37.47906	118.86748	14.32898	6.85921	14.85844	5.33E-09	3.94E-06	4.93E-07	1.65E-12	4.97E-12	3.93E-12	2.85E-16	6.88E-15	3.8E-16	7.54389E-15	5.334E-09	3.9407E-06	4.92669E-07	1.68342E-12	1.15146E-15	8.4025E-13	1.91577E-16
109	570670.6	4178039	0.55, 41780	0.17604	0.17458	0.16859	120.19022	39.09251	122.97013	15.02378	7.81169	15.37127	5.59E-09	4.08E-06	5.1E-07	1.73E-12	5.21E-12	4.11E-12	2.98E-16	7.21E-15	3.98E-16	7.90651E-15	5.59E-09	4.0767E-06	5.09675E-07	1.76434E-12	1.20681E-15	8.80638E-13	2.00785E-16
110	570710.6	4178039	0.55, 41780	0.19156	0.191	0.18153	122.05191	40.81454	130.55962	15.86896	8.63568	17.88475	6.02E-09	4.33E-06	5.93E-07	1.86E-12	5.61E-12	4.43E-12	3.21E-16	7.76E-15	4.29E-16	8.5134E-15	6.019E-09	4.3283E-06	5.93002E-07	1.89977E-12	1.29944E-15	9.48235E-13	2.16198E-16
111	570750.6	4178039	0.55, 41780	0.2105	0.20761	0.19902	132.53323	47.68084	144.79481	16.56665	9.43658	19.64627	6.6E-09	4.8E-06	6.51E-07	2.04E-12	6.15E-12	4.86E-12	3.52E-16	8.51E-15	4.7E-16	9.33363E-15	6.599E-09	4.8003E-06	6.514E-07	2.0828E-12	1.42464E-15	1.03959E-12	2.37027E-16
112	570790.6	4178039	0.55, 41780	0.23169	0.22417	0.21523	139.552	52.7884	147.64201	17.444	10.33029	19.40572	7.14E-09	4.89E-06	6.43E-07	2.2E-12	6.65E-12	5.25E-12	3.81E-16	9.2E-15	5.08E-16	1.00938E-14	7.137E-09	4.8947E-06	6.43434E-07	2.25244E-12	1.54067E-15	1.12427E-12	2.56333E-16
113	570830.6	4178039	0.55, 41780	0.25382	0.24067	0.23208	145.24751	55.81087	161.73262	18.15594	11.28689	20.21658	7.7E-09	5.36E-06	6.7E-07	2.37E-12	7.17E-12	5.66E-12	4.11E-16	9.93E-15	5.48E-16	1.08841E-14	7.695E-09	5.3618E-06	6.7032E-07	2.42878E-12	1.66129E-15	1.21228E-12	2.76401E-16
114	570870.6	4178039	0.55, 41780	0.27385	0.25672	0.25028	159.27674	59.06353	181.66903	19.90959	12.04587	22.70863	8.3E-09	6.02E-06	7.53E-07	2.56E-12	7.73E-12	6.11E-12	4.43E-16	1.07E-14	5.91E-16	1.17376E-14	8.299E-09	6.0227E-06	7.52944E-07	2.61924E-12	1.79156E-15	1.30735E-12	2.98075E-16
115	570910.6	4178039	0.55, 41780	0.28498	0.272	0.26185	154.31681	63.03506	190.144	19.2896	11.80173	23.768	8.68E-09	6.3E-06	7.88E-07	2.68E-12	8.09E-12	6.39E-12	4.64E-16	1.12E-14	6.18E-16	1.22802E-14	8.682E-09	6.3037E-06	7.88055E-07	2.74034E-12	1.87439E-15	1.36779E-12	3.11856E-16
116	570950.6	4178039	0.55, 41780	0.28313	0.28254	0.2606	178.15221	69.82475	214.80591	22.26903	10.41815	26.85074	8.64E-09	7.12E-06	8.9E-07	2.67E-12	8.05E-12	6.36E-12	4.61E-16	1.11E-14	6.15E-16	1.22217E-14	8.641E-09	7.1213E-06	8.90271E-07	2.72728E-12	1.86546E-15	1.36127E-12	3.10371E-16
117	570990.6	4178039	0.55, 41780	0.27042	0.28832	0.24711	188.87787	74.10995	223.28286	29.14051	12.35166	34.29706	8.19E-09	7.4E-06	1.14E-06	2.53E-12	7.63E-12	6.03E-12	4.38E-16	1.06E-14	5.83E-16	1.15893E-14	8.194E-09	7.4023E-06	1.13717E-06	2.58616E-12	1.76893E-15	1.29083E-12	2.9431E-16
118	571030.6	4178039	0.55, 41780	0.25749	0.29249	0.23391	188.96663	83.29257	277.8919	26.99523	13.88209	39.69884	7.76E-09	9.21E-06	1.32E-06	2.39E-12	7.23E-12	5.71E-12	4.14E-16	1E-14	5.52E-16	1.09705E-14	7.756E-09	9.2126E-06	1.31621E-06	2.44806E-12	1.67448E-15	1.22191E-12	2.78595E-16
119	571070.6	4178039	0.55, 41780	0.25163	0.29646	0.21613	192.59035	92.57991	271.23553	26.01862	14.40126	34.27332	7.17E-09	8.99E-06	1.14E-06	2.21E-12	6.68E-12	5.27E-12	3.83E-16	9.24E-15	5.1E-16	1.01369E-14	7.167E-09	8.9921E-06	1.13635E-06	2.26205E-12	1.54724E-15	1.12906E-12	2.57426E-16
120	571110.6	4178039	0.55, 41780	0.23996	0.28057	0.20816	179.79911	89.13384	295.00102	29.33997	15.522	36.88643	6.9E-09	9.78E-06	1.22E-06	2.13E-12	6.43E-12	5.08E-12	3.69E-16	8.9E-15	4.91E-16	9.76303E-15	6.903E-09	9.7798E-06	1.22301E-06	2.17862E-12	1.49018E-15	1.08742E-12	2.47932E-16
121	571150.6	4178039	0.55, 41780	0.25767	0.30302	0.23363	202.30498	100.11261	284.90591	28.90071	16.95197	47.48432	7.75E-09	9.45E-06	1.57E-06	2.39E-12	7.22E-12	5.7E-12	4.14E-16	9.99E-15	5.52E-16	1.09575E-14	7.747E-09	9.4453E-06	1.57431E-06	2.44516E-12	1.67249E-15	1.22046E-12	2.78265E-16
122	571190.6	4178039	0.55, 41780	0.27122	0.30641	0.22867	194.68377	101.89225	297.80862	27.81197	16.7188	37.22608	7.58E-09	9.87E-06	1.23E-06	2.34E-12	7.07E-12	5.58E-12	4.05E-16	9.78E-15	5.4E-16	1.0725E-14	7.583E-09	9.873E-06	1.23425E-06	2.39328E-12	1.637E-15	1.19456E-12	2.7236E-16
123	571230.6	4178039	0.55, 41780	0.28804	0.31092	0.2326	196.84209	99.06119	294.63263	24.60526	16.26482	42.09038	7.71E-09	9.77E-06	1.4E-06	2.38E-12	7.19E-12	5.68E-12	4.12E-16	9.95E-15	5.49E-16	1.09093E-14	7.713E-09	9.7677E-06	1.39547E-06	2.43442E-12	1.66514E-15	1.21509E-12	2.77042E-16
124	571270.6	4178039	0.55, 41780	0.31661	0.32283	0.24843	191.8709	85.51951	280.99547	23.98386	14.63938	35.12443	8.24E-09	9.32E-06	1.16E-06	2.54E-12	7.68E-12	6.06E-12	4.4E-16	1.06E-14	5.87E-16	1.16517E-14	8.238E-09	9.3155E-06	1.16455E-06	2.60007E-12	1.77845E-15	1.29778E-12	2.95894E-16
125	571310.6	4178039	0.55, 41780	0.35598	0.34149	0.26147	189.38373	68.10225	290.04443	23.67297	13.72977	36.25555	8.67E-09	9.62E-06	1.2E-06	2.68E-12	8.08E-12	6.38E-12	4.63E-16	1.12E-14	6.17E-16	1.22633E-14	8.671E-09	9.6153E-06	1.20204E-06	2.73656E-12	1.87181E-15	1.3659E-12	3.11426E-16
126	571350.6	4178039	0.55, 41780	0.39399	0.35989	0.2835	182.95784	62.01914	299.45287	22.86973	11.81322	37.43161	9.4E-09	9.93E-06	1.24E-06	2.9E-12	8.76E-12	6.92E-12	5.02E-16	1.21E-14	6.69E-16	1.32964E-14	9.401E-09	9.9272E-06	1.24102E-06	2.9671E-12	2.0295E-15	1.48098E-12	3.37662E-16
127	571390.6	4178039	0.55, 41780	0.4222	0.3733	0.32107	164.47464	56.17724	258.72398	20.55933	10.13431	32.3405	1.06E-08	8.58E-06	1.07E-06	3.29E-12	9.92E-12	7.84E-12	5.68E-16	1.37E-14	7.58E-16	1.50581E-14	1.065E-08	8.577E-06	1.07223E-06	3.36021E-12	2.29839E-15	1.67719E-12	3.82399E-16
128	571430.6	4178039	0.55, 41780	0.44026	0.38105	0.3744	146.31006	45.8458	221.86738	18.28876	9.60517	27.73342	1.24E-08	7.36E-06	9.19E-07	3.83E-12	1.16E-11	9.14E-12	6.63E-16	1.6E-14	8.84E-16	1.75585E-14	1.241E-08	7.3551E-06	9.19495E-07	3.91819E-12	2.68004E-15	1.9557E-12	4.45899E-16
129	571470.6	4178039	0.55, 41780	0.44344	0.3799	0.42037	134.05635	35.96521	154.66668	16.75704	8.42199	19.33334	1.39E-08	5.13E-06	6.41E-07	4.3E-12	1.3E-11	1.03E-11	7.44E-16	1.8E-14	9.92E-16	1.97138E-14	1.394E-08	5.1274E-06	6.41029E-07	4.39914E-12	3.00901E-15	2.19575E-12	5.00632E-16
130	571510.6	4178039	0.55, 41780	0.43369	0.37075	0.44522	135.2804	26.4112	176.84451	16.91005	8.14543	22.10556	1.48E-08	5.86E-06	7.33E-07	4.56E-12	1.38E-11	1.09E-11	7.88E-16	1.9E-14	1.05E-15	2.08788E-14	1.476E-08	5.8625E-06	7.32926E-07	4.6591E-12	3.18683E-15	2.32551E-12	5.30216E-16
131	571550.6	4178039	0.55, 41780	0.4157	0.35641	0.44493	128.00174	25.24959	172.96462	16.00022	7.84928	21.62058	1.48E-08	5.73E-06	7.17E-07	4.55E-12	1.37E-11	1.09E-11	7.88E-16	1.9E-14	1.05E-15	2.0865E-14	1.475E-08	5.7339E-06	7.16841E-07	4.65603E-12	3.18472E-15	2.32397E-12	5.29866E-16
132	571590.6	4178039	0.55, 41780	0.38889	0.33646	0.4222	114.21376	28.264	151.26331	14.27672	7.21894	18.90791	1.4E-08	5.01E-06	6.27E-07	4.32E-12	1.3E-11	1.03E-11	7.47E-16	1.81E-14	9.97E-16	1.9799E-14	1.4E-08	5.0145E-06	6.26904E-07	4.41816E-12	3.02202E-15	2.20525E-12	5.02796E-16
133	570310.6	4178079	0.55, 41780	0.09792	0.07296	0.09477	71.40728	28.01469	77.09789	8.92591	4.66912	9.63724	3.14E-09	2.56E-06	3.2E-07	9.7E-13	2.93E-12	2.31E-12	1.68E-16	4.05E-15	2.24E-16	4.44422E-15	3.142E-09	2.556E-06	3.19544E-07	9.91728E-13	6.78342E-16	4.95003E-13	1.12861E-16
134	570350.6	4178079	0.55, 41780	0.1067	0.08065	0.10312	70.03301	29.10671	80.22931	8.75413	4.85112	10.02866	3.42E-09	2.66E-06	3.33E-07	1.06E-12	3.19E-12	2.52E-12	1.83E-16	4.41E-15	2.43E-16	4.8358E-15	3.419E-09	2.6598E-06	3.32517E-07	1.07911E-12	7.38112E-16	5.38619E-13	1.22805E-16
135	570390.6	4178079	0.55, 41780	0.11641	0.08948	0.11242	73.93226	30.15719	77.81828	9.24153	5.0262	9.72728	3.73E-09	2.58E-06	3.23E-07	1.15E-12	3.47E-12	2.74E-12	1.99E-16	4.81E-15	2.65E-16	5.27194E-15	3.727E-09	2.5799E-06	3.22531E-07	1.17644E-12	8.04682E-16	5.87197E-13	1.33881E-16
136	570430.6	4178079	0.55, 41780	0.12715	0.09969	0.12302	79.99098	31.34254	86.52141	9.99887	5.20891	10.81518	4.08E-09	2.87E-06	3.59E-07	1.26E-12	3.8E-12	3E-12	2.18E-16	5.26E-15	2.9E-16	5.76905E-15	4.079E-09	2.8684E-06	3.58601E-07	1.28737E-12	8.80558E-16	6.42565E-13	1.46505E-16
137	570470.6	4178079	0.55, 41780	0.13857	0.11144	0.13449	81.53824	32.65768	88.86509	10.19228	5.39019	11.10814	4.46E-09	2.95E-06	3.68E-07	1.38E-12	4.15E-12	3.28E-12	2.38E-16	5.75E-15	3.17E-16	6.30697E-15	4.459E-09	2.9461E-06	3.68314E-07	1.4074E-12	9.62663E-16	7.02479E-13	1.60165E-16
138	570510.6	4178079	0.55, 41780	0.15049	0.12507	0.14657	87.75299	34.11951	95.20757	10.96912	5.60116	11.90095	4.86E-09	3.16E-06	3.95E-07	1.5E-12	4.53E-12	3.58E-12	2.59E-16	6.27E-15	3.46E-16	6.8735E-15	4.86E-09	3.1564E-06	3.94601E-07	1.53382E-12	1.04914E-15	7.65581E-13	1.74552E-16
139	570550.6	4178079	0.55, 41780	0.16198	0.14034	0.1583	91.64015	35.64897	104.22382	11.45502	5.99366	13.02798	5.25E-09	3.46E-06	4.32E-07	1.62E-12	4.89E-12	3.86E-12	2.8E-16	6.77E-15	3.74E-16	7.42365E-15	5.249E-09	3.4553E-06	4.31966E-07	1.65659E-12	1.13311E-15	8.26857E-13	1.88523E-16
140	570590.6	4178079	0.55, 41780	0.17272	0.15744	0.16968	88.35639	37.38874	105.88084	11.57204	6.46071	13.23511	5.63E-09	3.51E-06	4.39E-07	1.74E-12	5.24E-12	4.14E-12	3E-16	7.26E-15	4.01E-16	7.95741E-15	5.626E-09	3.5102E-06	4.38833E-07	1.7757E-12	1.21458E-15	8.86308E-13	2.02078E-16
141	570630.6	4178079	0.55, 41780	0.1831	0.1763	0.17984	101.08083	39.23196	114.54818	12.6351	7.02353	14.31852	5.96E-09	3.8E-06	4.75E-07	1.84E-12	5.56E-12	4.39E-12	3.18E-16	7.69E-15	4.25E-16	8.43399E-15	5.963E-09	3.7975E-06	4.74756E-07	1.88205E-12	1.28732E-15	9.3939E-13	2.14181E-16
142	570670.6	4178079	0.55, 41780	0.19537	0.19687	0.18849	125.63761	41.20021	131.91916	15.7047	8.22231	16.4899	6.25E-09	4.37E-06	5.47E-07	1.93E-12	5.82E-12	4.6E-12	3.34E-16	8.06E-15	4.45E-16	8.83979E-15	6.25E-09	4.3734E-06	5.46762E-07	1.9726E-12	1.34926E-15	9.84589E-13	2.24486E-16
143	570710.6	4178079	0.55, 41780	0.21241	0.21933	0.20096	144.38379	43.29239	151.59141	18.04797	9.29195	18.94893	6.66E-09	5.03E-06	6.28E-07	2.06E-12	6.21E-12	4.9E-12	3.56E-16	8.59E-15	4.74E-16	9.42472E-15	6.664E-09	5.0256E-06	6.28298E-07	2.10313E-12	1.43854E-15	1.04974E-12	2.39341E-16
144	570750.6	4178079	0.55, 41780	0.23537	0.24332	0.2221	149.96792	48.92505	154.1756	18.74599	10.23	23.04389	7.36E-09	5.11E-06	7.64E-07	2.27E-12	6.86E-12	5.42E-12	3.93E-16	9.5E-15	5.24E-16	1.04162E-14	7.365E-09	5.1113E-06	7.64047E-07	2.32437E-12	1.58987E-15	1.16017E-12	2.64518E-16
145	570790.6	4178079	0.55, 41780	0.26445	0.26867	0.24585	159.48841	56.15329	178.05216	19.93605	11.24377	22.79466	8.15E-09	5.9E-06	7.56E-07	2.52E-12	7.6E-12	6E-12	4.35E-16	1.05E-14	5.8E-16	1.153E-14	8.152E-09	5.9028E-06	7.55796E-07	2.57292E-12	1.75988E-15	1.28423E-12	2.92804E-16
146	570830.6	4178079	0.55, 41780	0.30001	0.29551	0.27029	164.85959	59.75168	177.78875	20.60745	12.43332	22.22359	8.96E-09	5.89E-06	7.37E-07	2.77E-12	8.35E-12	6.6E-12	4.79E-16	1.16E-14	6.38E-16	1.26762E-14	8.962E-09	5.8941E-06	7.36872E-07	2.8287E-12	1.93483E-15	1.4119E-12	3.21912E-16
147	570870.6	4178079	0.55, 41780	0.34051	0.32416	0.30185	178.96906	63.85658	203.22306	22.37113	13.91568	25.40288	1E-08	6.74E-06	8.42E-07	3.09E-12	9.33E-12	7.37E-12	5.34E-16	1.29E-14	7.13E-16	1.41563E-14	1.001E-08	6.7373E-06	8.42277E-07	3.15898E-12	2.16074E-15	1.57675E-12	3.59498E-16
148	570910.6	4178079	0.55, 41780	0.37529	0.35313	0.33459	192.82824	68.49057	229.7632	24.10353	15.26079	28.7204	1.11E-08	7.62E-06	9.52E-07	3.42E-12	1.03E-11	8.17E-12	5.92E-16	1.43E-14	7.9E-16	1.56917E-14	1.109E-08	7.6171E-06	9.52265E-07	3.5016E-12	2.39509E-15	1.74776E-12	3.98489E-16
149	570950.6	4178079	0.55, 41780	0.39192	0.37725	0.35493	199.56845	75.56845	241.42387	26.9715	14.65967	30.17798	1.18E-08	8E-06	1E-06	3.63E-12	1.1E-11	8.66E-12	6.28E-16	1.52E-14	8.38E-16	1.66456E-14	1.177E-08	8.0037E-06	1.00061E-06	3.71447E-12	2.5407E-15	1.85401E-12	4.22714E-16
150	570990.6	4178079	0.55, 41780	0.38624	0.39167	0.34038	209.52387	83.72546	270.89556	31.32288	13.79848	33.86195	1.13E-08	8.98E-06	1.12E-06	3.48E-12	1.05E-11	8.31E-12	6.03E-16	1.46E-14	8.04E-16	1.59636E-14	1.129E-08	8.9807E-06	1.12277E-06	3.56228E-12	2.4366E-15	1.77805E-12	4.05395E-16
151	571030.6	4178079	0.55, 41780	0.36706	0.40059	0.31708	238.62537	94.19927	346.28961	34.73297	15.69988	52.33117	1.05E-08	1.15E-05	1.74E-06	3.24E-12	9.8E-12	7.74E-12	5.61E-16	1.36E-14	7.49E-16	1.48712E-14	1.051E-08	1.148E-05	1.73503E-06	3.31852E-12	2.26987E-15	1.65638E-12	3.77655E-16
152	571070.6	4178079	0.55, 41780	0.35702	0.41066	0.29659	228.92087	105.90077	368.47625	31.45005	16.61116	46.05953	9.84E-09	1.22E-05	1.53E-06	3.03E-12	9.16E-12	7.24E-12	5.25E-16	1.27E-14	7E-16	1.39107E-14	9.835E-09	1.2216E-05	1.5271E-06	3.10417E-12	2.12326E-15	1.54939E-12	3.53262E-16
153	571110.6	4178079	0.55, 41780	0.35812	0.41418	0.29542	212.64364	104.08221	374.64105	34.6648	20.98986	46.90606	9.8E-09	1.24E-05	1.56E-06	3.02E-12	9.13E-12	7.21E-12	5.23E-16	1.26E-14	6.97E-16	1.38519E-14	9.797E-09	1.242E-05	1.55519E-06	3.09194E-12	2.11489E-15	1.54329E-12	3.5187E-16
154	571150.6	4178079	0.55, 41780	0.37758	0.42317	0.31748	239.48451	117.47672	371.65504	34.21207	20.38272	60.67868	1.05E-08	1.23E-05	2.01E-06	3.25E-12	9.81E-12	7.75E-12	5.62E-16	1.36E-14	7.5E-16	1.48903E-14	1.053E-08	1.2321E-05	2.01173E-06	3.32277E-12	2.27277E-15	1.6585E-12	3.78138E-16
155	571190.6	4178079	0.55, 41780	0.41277	0.43447	0.31013	228.77572	115.09155	359.73847	28.66724	20.67403	44.96731	1.03E-08	1.19E-05	1.49E-06	3.17E-12	9.58E-12	7.57E-12	5.49E-16	1.33E-14	7.32E-16	1.45459E-14	1.028E-08	1.1926E-05	1.49087E-06	3.24591E-12	2.2202E-15	1.62014E-12	3.69392E-16
156	571230.6	4178079	0.55, 41780	0.46673	0.45732	0.33128	219.54291	100.98995	305.404	27.44286	18.56894	43.62914	1.1E-08	1.01E-05	1.45E-06	3.39E-12	1.02E-11	8.09E-12	5.87E-16	1.42E-14	7.82E-16	1.55378E-14	1.099E-08	1.0125E-05	1.4465E-06	3.46726E-12	2.37161E-15	1.73062E-12	3.94582E-16
157	571270.6	4178079	0.55, 41780	0.53318	0.48578	0.3586	215.1929	81.06645	332.5769	26.89911	17.27973	41.57211	1.19E-08	1.1E-05	1.38E-06	3.67E-12	1.11E-11	8.75E-12	6.35E-16	1.53E-14	8.47E-16	1.68191E-14	1.189E-08	1.1025E-05	1.37831E-06	3.75319E-12	2.56718E-15	1.87334E-12	4.2712E-16
158	571310.6	4178079	0.55, 41780	0.58671	0.50689	0.39805	205.97464	69.75551	363.05687	25.74683	14.70822	45.38211	1.32E-08	1.2E-05	1.5E-06	4.07E-12	1.23E-11	9.71E-12	7.05E-16	1.7E-14	9.4E-16	1.8669E-14	1.32E-08	1.2036E-05	1.50459E-06	4.16599E-12	2.84954E-15	2.07938E-12	4.74099E-16
159	571350.6	4178079	0.55, 41780	0.61439	0.51569	0.46686	184.46358	62.8789	316.33591	23.05795	12.5762	39.54199	1.55E-08	1.05E-05	1.31E-06	4.78E-12	1.44E-11	1.14E-11	8.27E-16	2E-14	1.1E-15	2.18953E-14	1.548E-08	1.0487E-05	1.31098E-06	4.88593E-12	3.34198E-15	2.43873E-12	5.5603E-16
160	571390.6	4178079	0.55, 41780	0.61879	0.51229	0.54521	162.6235	50.78632	251.98298	20.32794	11.67282	31.49787	1.81E-08	8.35E-06	1.04E-06	5.58E-12	1.68E-11	1.33E-11	9.65E-16	2.33E-14	1.29E-15	2.55686E-14	1.808E-08	8.3535E-06	1.0443E-06	5.70565E-12	3.90266E-15	2.84787E-12	6.49315E-16
161	571430.6	4178079	0.55, 41780	0.60477	0.49855	0.60294	157.24404	39.05995	207.2573	19.65551	9.99401	25.90716	2E-08	6.87E-06	8.59E-07	6.17E-12	1.86E-11	1.47E-11	1.07E-15	2.58E-14	1.42E-15	2.82751E-14	1.999E-08	6.8708E-06	8.58969E-07	6.3096E-12	4.31576E-15	3.14932E-12	7.18045E-16
162	571470.6	4178079	0.55, 41780	0.57311	0.47467	0.61341	152.07991	30.59352	215.52596	19.00999	9.68796	26.94074	2.03E-08	7.14E-06	8.93E-07	6.28E-12	1.89E-11	1.5E-11	1.09E-15	2.62E-14	1.45E-15	2.87657E-14	2.034E-08	7.1448E-06	8.93225E-07	6.41907E-12	4.39064E-15	3.20396E-12	7.30503E-16
163	571510.6	4178079	0.55, 41780	0.53465	0.44658	0.58613	137.55383	33.88214	191.36045	17.19423	8.95455	23.92006	1.94E-08	6.34E-06	7.93E-07	6E-12	1.81E-11	1.43E-11	1.04E-15	2.51E-14	1.38E-15	2.74863E-14	1.943E-08	6.3438E-06	7.93077E-07	6.13357E-12	4.19536E-15	3.06146E-12	6.98013E-16
164	571550.6	4178079	0.55, 41780	0.48548	0.41212	0.53241	120.13532	36.07438	157.49519	15.01691	7.90342	19.6869	1.77E-08	5.22E-06	6.53E-07	5.45E-12	1.64E-11	1.3E-11	9.43E-16	2.28E-14	1.26E-15	2.49672E-14	1.765E-08	5.2212E-06	6.52733E-07	5.57143E-12	3.81086E-15	2.78088E-12	6.34041E-16
165	571590.6	4178079	0.55, 41780	0.43445	0.37558	0.47142	108.95419	37.19094	141.55637	13.61927	6.74143	17.69455	1.56E-08	4.69E-06	5.87E-07	4.82E-12	1.46E-11	1.15E-11	8.35E-16	2.02E-14	1.11E-15	2.21072E-14	1.563E-08	4.6928E-06	5.86676E-07	4.93323E-12	3.37433E-15	2.46233E-12	5.61412E-16
166	570310.6	4178119	0.55, 41781	0.10149	0.07442	0.09774	69.0748	28.05035	78.28908	8.63435	4.67506	9.78613	3.24E-09	2.6E-06	3.24E-07	1E-12	3.02E-12	2.39E-12	1.73E-16	4.18E-15	2.31E-16	4.58348E-15	3.241E-09	2.5955E-06	3.24477E-07	1.02281E-12	6.99599E-16	5.10515E-13	1.16397E-16
167	570350.6	4178119	0.55, 41781	0.11138	0.08273	0.10725	79.07973	29.62524	82.98136	9.88497	4.93754	10.37267	3.56E-09	2.75E-06	3.44E-07	1.1E-12	3.31E-12	2.62E-12	1.9E-16	4.59E-15	2.53E-16	5.02946E-15	3.556E-09	2.751E-06	3.43931E-07	1.12233E-12	7.67671E-16	5.60189E-13	1.27723E-16
168	570390.6	4178119	0.55, 41781	0.12249	0.09237	0.11775	81.81771	30.97041	92.38822	10.22721	5.16174	11.54853	3.9E-09	3.06E-06	3.83E-07	1.2E-12	3.64E-12	2.87E-12	2.08E-16	5.04E-15	2.78E-16	5.52188E-15	3.904E-09	3.0629E-06	3.82912E-07	1.23221E-12	8.42831E-16	6.15035E-13	1.40228E-16
169	570430.6	4178119	0.55, 41781	0.13492	0.10362	0.12964	81.48606	32.23138	89.13007	10.18576	5.3719	11.14126	4.3E-09	2.95E-06	3.69E-07	1.33E-12	4E-12	3.16E-12	2.3E-16	5.54E-15	3.06E-16	6.07948E-15	4.298E-09	2.9549E-06	3.69412E-07	1.35664E-12	9.2794E-16	6.77141E-13	1.54388E-16
170	570470.6	4178119	0.55, 41781	0.14882	0.11683	0.14311	90.82614	33.6686	97.62505	11.35327	5.5932	12.20313	4.75E-09	3.24E-06	4.05E-07	1.46E-12	4.42E-12	3.49E-12	2.53E-16	6.12E-15	3.38E-16	6.71119E-15	4.745E-09	3.2365E-06	4.04622E-07	1.4976E-12	1.02436E-15	7.47502E-13	1.7043E-16
171	570510.6	4178119	0.55, 41781	0.16361	0.13228	0.15796	92.34034	35.20886	102.68913	11.54254	5.82093	12.83614	5.24E-09	3.4E-06	4.26E-07	1.62E-12	4.88E-12	3.85E-12	2.8E-16	6.76E-15	3.73E-16	7.40762E-15	5.237E-09	3.4044E-06	4.25607E-07	1.65301E-12	1.13066E-15	8.25071E-13	1.88116E-16
172	570550.6	4178119	0.55, 41781	0.17911	0.1505	0.17388	100.11195	36.92243	110.21215	12.51399	6.33987	13.77652	5.77E-09	3.65E-06	4.57E-07	1.78E-12	5.37E-12	4.24E-12	3.08E-16	7.44E-15	4.1E-16	8.15425E-15	5.765E-09	3.6538E-06	4.56788E-07	1.81962E-12	1.24462E-15	9.08232E-13	2.07077E-16
173	570590.6	4178119	0.55, 41781	0.19374	0.17125	0.18923	103.74737	38.76233	121.67682	12.96842	6.89651	15.2096	6.27E-09	4.03E-06	5.04E-07	1.94E-12	5.85E-12	4.62E-12	3.35E-16	8.09E-15	4.47E-16	8.87419E-15	6.274E-09	4.0338E-06	5.04297E-07	1.98028E-12	1.35451E-15	9.8842E-13	2.2536E-16
174	570630.6	4178119	0.55, 41781	0.2069	0.19483	0.20326	104.63966	41.01094	121.05227	13.84797	7.49161	15.13153	6.74E-09	4.01E-06	5.02E-07	2.08E-12	6.28E-12	4.96E-12	3.6E-16	8.69E-15	4.8E-16	9.53227E-15	6.74E-09	4.0132E-06	5.01717E-07	2.12713E-12	1.45496E-15	1.06172E-12	2.42072E-16
175	570670.6	4178119	0.55, 41781	0.21998	0.22122	0.21442	115.58367	43.51142	138.36153	15.0671	8.60459	17.29519	7.11E-09	4.59E-06	5.73E-07	2.19E-12	6.62E-12	5.23E-12	3.8E-16	9.17E-15	5.06E-16	1.00558E-14	7.11E-09	4.587E-06	5.73451E-07	2.24396E-12	1.53487E-15	1.12003E-12	2.55367E-16
176	570710.6	4178119	0.55, 41781	0.23703	0.25104	0.22497	127.12041	45.98226	134.54184	16.41254	9.96819	16.81773	7.46E-09	4.46E-06	5.58E-07	2.3E-12	6.95E-12	5.49E-12	3.98E-16	9.62E-15	5.31E-16	1.05508E-14	7.46E-09	4.4604E-06	5.57636E-07	2.35442E-12	1.61042E-15	1.17517E-12	2.67938E-16
177	570750.6	4178119	0.55, 41781	0.26187	0.28441	0.24496	163.41699	49.64069	173.69321	20.42712	11.18287	24.67477	8.12E-09	5.76E-06	8.18E-07	2.51E-12	7.57E-12	5.98E-12	4.34E-16	1.05E-14	5.78E-16	1.14885E-14	8.123E-09	5.7583E-06	8.18124E-07	2.56365E-12	1.75354E-15	1.2796E-12	2.91749E-16
178	570790.6	4178119	0.55, 41781	0.29707	0.32177	0.27572	189.30326	59.79186	203.15363	23.66291	12.3939	25.39195	9.14E-09	6.73E-06	8.42E-07	2.82E-12	8.52E-12	6.73E-12	4.88E-16	1.18E-14	6.51E-16	1.29311E-14	9.143E-09	6.7344E-06	8.41927E-07	2.88558E-12	1.97374E-15	1.44028E-12	3.28385E-16
179	570830.6	4178119	0.55, 41781	0.34574	0.3643	0.31009	193.11502	64.55328	210.79637	24.13938	13.76558	26.34955	1.03E-08	6.99E-06	8.74E-07	3.17E-12	9.58E-12	7.57E-12	5.49E-16	1.33E-14	7.32E-16	1.45431E-14	1.028E-08	6.9883E-06	8.73674E-07	3.24529E-12	2.21978E-15	1.61983E-12	3.69321E-16
180	570870.6	4178119	0.55, 41781	0.41228	0.41342	0.35667	202.8381	69.60981	241.64288	25.35476	15.49628	31.6123	1.18E-08	8.01E-06	1.05E-06	3.65E-12	1.1E-11	8.7E-12	6.32E-16	1.53E-14	8.42E-16	1.67276E-14	1.183E-08	8.0109E-06	1.04814E-06	3.73277E-12	2.55322E-15	1.86315E-12	4.24797E-16
181	570910.6	4178119	0.55, 41781	0.49003	0.46844	0.41739	224.50761	75.3478	268.49725	28.06345	17.99511	33.56216	1.38E-08	8.9E-06	1.11E-06	4.27E-12	1.29E-11	1.02E-11	7.39E-16	1.79E-14	9.85E-16	1.95752E-14	1.384E-08	8.9012E-06	1.1128E-06	4.36821E-12	2.98785E-15	2.18031E-12	4.97111E-16
182	570950.6	4178119	0.55, 41781	0.55455	0.52056	0.48015	237.44511	82.6149	307.44591	31.19836	20.61697	38.43074	1.59E-08	1.02E-05	1.27E-06	4.91E-12	1.48E-11	1.17E-11	8.5E-16	2.05E-14	1.13E-15	2.25183E-14	1.592E-08	1.0192E-05	1.27421E-06	5.02497E-12	3.43708E-15	2.50812E-12	5.71852E-16
183	570990.6	4178119	0.55, 41781	0.59019	0.56679	0.49805	260.70129	98.30209	347.94815	39.14578	18.7176	43.49352	1.65E-08	1.15E-05	1.44E-06	5.1E-12	1.54E-11	1.22E-11	8.82E-16	2.13E-14	1.18E-15	2.33581E-14	1.651E-08	1.1535E-05	1.44211E-06	5.21238E-12	3.56527E-15	2.60166E-12	5.9318E-16
184	571030.6	4178119	0.55, 41781	0.58003	0.59593	0.46436	288.08817	110.38847	394.82286	43.41155	19.84321	60.28631	1.54E-08	1.31E-05	2E-06	4.75E-12	1.43E-11	1.13E-11	8.22E-16	1.99E-14	1.1E-15	2.17789E-14	1.54E-08	1.3089E-05	1.99881E-06	4.85998E-12	3.32422E-15	2.42577E-12	5.53075E-16
185	571070.6	4178119	0.55, 41781	0.56003	0.61401	0.43624	281.59163	124.26135	479.69295	39.26934	23.95732	65.06151	1.45E-08	1.59E-05	2.16E-06	4.46E-12	1.35E-11	1.06E-11	7.72E-16	1.87E-14	1.03E-15	2.04607E-14	1.447E-08	1.5902E-05	2.15707E-06	4.56582E-12	3.12302E-15	2.27895E-12	5.196E-16
186	571110.6	4178119	0.55, 41781	0.57497	0.62965	0.42923	279.23237	138.16088	507.21032	41.39356	27.39628	63.69191	1.42E-08	1.68E-05	2.11E-06	4.39E-12	1.33E-11	1.05E-11	7.6E-16	1.84E-14	1.01E-15	2.01323E-14	1.423E-08	1.6815E-05	2.11168E-06	4.49252E-12	3.07288E-15	2.24236E-12	5.11258E-16
187	571150.6	4178119	0.55, 41781	0.64473	0.65929	0.45591	273.06399	137.55558	506.75735	37.77228	27.34359	77.75635	1.51E-08	1.68E-05	2.58E-06	4.67E-12	1.41E-11	1.11E-11	8.07E-16	1.95E-14	1.08E-15	2.13836E-14	1.512E-08	1.68E-05	2.57787E-06	4.77175E-12	3.26388E-15	2.38173E-12	5.43035E-16
188	571190.6	4178119	0.55, 41781	0.76806	0.70549	0.46182	260.36357	120.74038	479.78233	32.90288	24.49294	68.54033	1.53E-08	1.59E-05	2.27E-06	4.73E-12	1.43E-11	1.13E-11	8.18E-16	1.98E-14	1.09E-15	2.16614E-14	1.532E-08	1.5905E-05	2.27233E-06	4.83374E-12	3.30628E-15	2.41267E-12	5.5009E-16
189	571230.6	4178119	0.55, 41781	0.88147	0.74364	0.51839	250.38438	100.21062	435.42985	31.29805	22.32262	54.42873	1.72E-08	1.44E-05	1.8E-06	5.3E-12	1.6E-11	1.27E-11	9.18E-16	2.22E-14	1.22E-15	2.43142E-14	1.719E-08	1.4435E-05	1.80453E-06	5.42572E-12	3.71119E-15	2.70815E-12	6.17459E-16
190	571270.6	4178119	0.55, 41781	0.94057	0.75526	0.59724	235.31349	80.57107	462.41399	29.41419	18.81416	57.80175	1.98E-08	1.53E-05	1.92E-06	6.11E-12	1.85E-11	1.46E-11	1.06E-15	2.55E-14	1.41E-15	2.80113E-14	1.98E-08	1.5329E-05	1.91632E-06	6.25072E-12	4.27549E-15	3.11993E-12	7.11345E-16
191	571310.6	4178119	0.55, 41781	0.94266	0.74202	0.72716	211.76846	71.48368	401.12341	26.47106	15.9259	50.14043	2.41E-08	1.33E-05	1.66E-06	7.44E-12	2.25E-11	1.77E-11	1.29E-15	3.11E-14	1.72E-15	3.41023E-14	2.411E-08	1.3298E-05	1.66233E-06	7.60995E-12	5.2052E-15	3.79837E-12	8.66028E-16
192	571350.6	4178119	0.55, 41781	0.90909	0.71255	0.85266	184.59351	57.17412	286.57244	23.07419	14.42847	35.82155	2.83E-08	9.5E-06	1.19E-06	8.72E-12	2.63E-11	2.08E-11	1.51E-15	3.65E-14	2.01E-15	3.9986E-14	2.827E-08	9.5002E-06	1.18765E-06	8.92288E-12	6.10325E-15	4.45369E-12	1.01544E-15
193	571390.6	4178119	0.55, 41781	0.85308	0.67145	0.90336	182.88204	42.90716	275.98695	22.86025	12.27464	34.49837	3E-08	9.15E-06	1.14E-06	9.24E-12	2.79E-11	2.2E-11	1.6E-15	3.86E-14	2.13E-15	4.23625E-14	2.995E-08	9.1491E-06	1.14379E-06	9.4532E-12	6.46599E-15	4.71839E-12	1.07579E-15
194	571430.6	4178119	0.55, 41781	0.78	0.62166	0.86624	169.0522	41.64549	252.50347	21.13153	11.39175	31.56293	2.87E-08	8.37E-06	1.05E-06	8.86E-12	2.68E-11	2.11E-11	1.53E-15	3.7E-14	2.04E-15	4.06214E-14	2.872E-08	8.3707E-06	1.04646E-06	9.06469E-12	6.20025E-15	4.52447E-12	1.03158E-15
195	571470.6	4178119	0.55, 41781	0.69763	0.567	0.77646	144.82238	43.55007	199.26025	18.1028	10.0864	24.90753	2.57E-08	6.61E-06	8.26E-07	7.94E-12	2.4E-11	1.89E-11	1.37E-15	3.32E-14	1.83E-15	3.64114E-14	2.574E-08	6.6057E-06	8.25818E-07	8.12522E-12	5.55765E-15	4.05556E-12	9.24667E-16
196	571510.6	4178119	0.55, 41781	0.61632	0.51188	0.67545	129.07456	44.20691	173.84445	16.93315	8.5721	21.73056	2.24E-08	5.76E-06	7.2E-07	6.91E-12	2.09E-11	1.65E-11	1.2E-15	2.89E-14	1.59E-15	3.16749E-14	2.24E-08	5.7632E-06	7.20495E-07	7.06825E-12	4.83469E-15	3.52799E-12	8.04382E-16
197	571550.6	4178119	0.55, 41781	0.53701	0.45659	0.57828	116.13448	43.6354	149.52645	16.99831	7.6971	20.20244	1.92E-08	4.96E-06	6.7E-07	5.92E-12	1.79E-11	1.41E-11	1.02E-15	2.47E-14	1.37E-15	2.71183E-14	1.917E-08	4.9571E-06	6.6984E-07	6.05147E-12	4.1392E-15	3.02048E-12	6.8867E-16
198	571590.6	4178119	0.55, 41781	0.46599	0.40463	0.49394	103.06511	42.01095	133.93422	16.60125	6.75955	20.50745	1.64E-08	4.44E-06	6.8E-07	5.05E-12	1.53E-11	1.21E-11	8.74E-16	2.11E-14	1.17E-15	2.31634E-14	1.638E-08	4.4402E-06	6.79947E-07	5.16892E-12	3.53554E-15	2.57997E-12	5.88234E-16
199	570310.6	4178159	0.55, 41781	0.10452	0.07557	0.10002	83.14681	27.07322	89.45551	10.39335	4.47805	11.18194	3.32E-09	2.97E-06	3.71E-07	1.02E-12	3.09E-12	2.44E-12	1.77E-16	4.28E-15	2.36E-16	4.6904E-15	3.316E-09	2.9656E-06	3.70762E-07	1.04666E-12	7.15918E-16	5.22423E-13	1.19113E-16
200	570350.6	4178159	0.55, 41781	0.1156	0.08446	0.11071	83.51332	29.37807	93.62995	10.43917	4.89635	11.70374	3.67E-09	3.1E-06	3.88E-07	1.13E-12	3.42E-12	2.7E-12	1.96E-16	4.73E-15	2.61E-16	5.19171E-15	3.671E-09	3.104E-06	3.88059E-07	1.15853E-12	7.92436E-16	5.7826E-13	1.31843E-16
201	570390.6	4178159	0.55, 41781	0.12828	0.09489	0.12282	85.72091	31.44795	90.10823	10.71511	5.24129	11.26353	4.07E-09	2.99E-06	3.73E-07	1.26E-12	3.79E-12	3E-12	2.17E-16	5.25E-15	2.9E-16	5.75962E-15	4.072E-09	2.9873E-06	3.73469E-07	1.28526E-12	8.79118E-16	6.41515E-13	1.46265E-16
202	570430.6	4178159	0.55, 41781	0.14269	0.1072	0.13639	94.53138	33.159	104.73347	11.81642	5.5265	13.09168	4.52E-09	3.47E-06	4.34E-07	1.4E-12	4.21E-12	3.33E-12	2.41E-16	5.83E-15	3.22E-16	6.396E-15	4.522E-09	3.4721E-06	4.3408E-07	1.42727E-12	9.76253E-16	7.12396E-13	1.62426E-16
203	570470.6	4178159	0.55, 41781	0.15906	0.12183	0.15182	91.68652	34.69147	109.10852	11.46082	5.78191	13.63857	5.03E-09	3.62E-06	4.52E-07	1.55E-12	4.69E-12	3.7E-12	2.69E-16	6.49E-15	3.58E-16	7.11962E-15	5.034E-09	3.6172E-06	4.52206E-07	1.58875E-12	1.0867E-15	7.92994E-13	1.80803E-16
204	570510.6	4178159	0.55, 41781	0.17738	0.13933	0.16931	103.8828	36.49731	110.76271	12.98535	6.04456	13.84534	5.61E-09	3.67E-06	4.59E-07	1.73E-12	5.23E-12	4.13E-12	3E-16	7.24E-15	4E-16	7.93986E-15	5.614E-09	3.672E-06	4.59074E-07	1.77178E-12	1.2119E-15	8.84353E-13	2.01632E-16
205	570550.6	4178159	0.55, 41781	0.19733	0.16029	0.18927	106.21161	38.46337	121.82569	13.27645	6.62676	15.22821	6.28E-09	4.04E-06	5.05E-07	1.94E-12	5.85E-12	4.62E-12	3.35E-16	8.09E-15	4.47E-16	8.87594E-15	6.276E-09	4.0388E-06	5.04917E-07	1.98067E-12	1.35478E-15	9.88615E-13	2.25404E-16
206	570590.6	4178159	0.55, 41781	0.21794	0.18524	0.21062	115.65264	40.48441	129.80552	14.45658	7.37316	16.22569	6.98E-09	4.3E-06	5.38E-07	2.15E-12	6.51E-12	5.14E-12	3.73E-16	9.01E-15	4.97E-16	9.87724E-15	6.984E-09	4.3033E-06	5.37993E-07	2.20411E-12	1.50761E-15	1.10014E-12	2.50832E-16
207	570630.6	4178159	0.55, 41781	0.23707	0.21436	0.23118	118.44365	42.79741	144.28442	14.80546	8.08317	18.03555	7.67E-09	4.78E-06	5.98E-07	2.37E-12	7.14E-12	5.64E-12	4.09E-16	9.89E-15	5.46E-16	1.08415E-14	7.665E-09	4.7833E-06	5.97991E-07	2.41929E-12	1.6548E-15	1.20755E-12	2.75321E-16
208	570670.6	4178159	0.55, 41781	0.25383	0.24795	0.24882	124.95922	45.84094	144.90734	15.6199	8.90031	18.11342	8.25E-09	4.8E-06	6.01E-07	2.55E-12	7.69E-12	6.07E-12	4.41E-16	1.06E-14	5.87E-16	1.1669E-14	8.25E-09	4.804E-06	6.00579E-07	2.60394E-12	1.7811E-15	1.29971E-12	2.96334E-16
209	570710.6	4178159	0.55, 41781	0.27135	0.28697	0.26135	131.25248	49.29697	162.49426	17.47805	10.6966	20.31178	8.67E-09	5.39E-06	6.73E-07	2.67E-12	8.07E-12	6.38E-12	4.63E-16	1.12E-14	6.17E-16	1.22569E-14	8.666E-09	5.387E-06	6.73469E-07	2.73514E-12	1.87084E-15	1.3652E-12	3.11265E-16
210	570750.6	4178159	0.55, 41781	0.29528	0.33222	0.27619	146.48828	52.90094	155.94977	21.86848	12.23914	22.93785	9.16E-09	5.17E-06	7.61E-07	2.83E-12	8.53E-12	6.74E-12	4.89E-16	1.18E-14	6.52E-16	1.29533E-14	9.158E-09	5.1701E-06	7.6056E-07	2.89052E-12	1.97712E-15	1.44275E-12	3.28948E-16
211	570790.6	4178159	0.55, 41781	0.33253	0.38536	0.30655	168.4296	63.37031	207.44804	22.18934	13.75991	31.3643	1.02E-08	6.88E-06	1.04E-06	3.14E-12	9.47E-12	7.48E-12	5.43E-16	1.31E-14	7.24E-16	1.43773E-14	1.017E-08	6.8773E-06	1.03989E-06	3.20831E-12	2.19448E-15	1.60137E-12	3.65112E-16
212	570830.6	4178159	0.55, 41781	0.39122	0.44987	0.34708	226.40986	70.88867	244.94075	28.30123	15.58224	30.61759	1.15E-08	8.12E-06	1.02E-06	3.55E-12	1.07E-11	8.47E-12	6.15E-16	1.48E-14	8.19E-16	1.62784E-14	1.151E-08	8.1203E-06	1.01519E-06	3.63253E-12	2.48465E-15	1.81311E-12	4.13389E-16
213	570870.6	4178159	0.55, 41781	0.48272	0.53035	0.408	262.06298	76.1106	293.39264	32.75787	17.58972	36.67408	1.35E-08	9.73E-06	1.22E-06	4.17E-12	1.26E-11	9.96E-12	7.22E-16	1.74E-14	9.63E-16	1.91356E-14	1.353E-08	9.7265E-06	1.216E-06	4.27012E-12	2.92076E-15	2.13136E-12	4.85949E-16
214	570910.6	4178159	0.55, 41781	0.61652	0.63133	0.50366	261.24493	84.17228	335.42472	32.65562	20.33398	41.92809	1.67E-08	1.11E-05	1.39E-06	5.15E-12	1.56E-11	1.23E-11	8.92E-16	2.15E-14	1.19E-15	2.3622E-14	1.67E-08	1.112E-05	1.39016E-06	5.27125E-12	3.60553E-15	2.63105E-12	5.99879E-16
215	570950.6	4178159	0.55, 41781	0.78722	0.75662	0.63069	286.12528	93.97029	373.71712	38.09436	25.30252	46.71464	2.09E-08	1.24E-05	1.55E-06	6.45E-12	1.95E-11	1.54E-11	1.12E-15	2.7E-14	1.49E-15	2.95794E-14	2.091E-08	1.2389E-05	1.54888E-06	6.60064E-12	4.51484E-15	3.29459E-12	7.51167E-16
216	570990.6	4178159	0.55, 41781	0.95557	0.89576	0.74297	303.7283	113.02353	445.40224	49.39935	30.83627	55.67528	2.46E-08	1.48E-05	1.85E-06	7.6E-12	2.3E-11	1.81E-11	1.32E-15	3.18E-14	1.75E-15	3.48454E-14	2.464E-08	1.4766E-05	1.84602E-06	7.77576E-12	5.31862E-15	3.88113E-12	8.84897E-16
217	571030.6	4178159	0.55, 41781	1.0701	1.00768	0.7637	365.27865	135.92516	512.48146	63.89384	29.33742	70.31034	2.53E-08	1.7E-05	2.33E-06	7.81E-12	2.36E-11	1.86E-11	1.35E-15	3.27E-14	1.8E-15	3.58187E-14	2.532E-08	1.699E-05	2.33128E-06	7.99296E-12	5.46719E-15	3.98954E-12	9.09616E-16
218	571070.6	4178159	0.55, 41781	1.06935	1.07923	0.71312	382.13438	155.20031	662.82772	54.74849	37.25068	94.68967	2.36E-08	2.2E-05	3.14E-06	7.3E-12	2.2E-11	1.74E-11	1.26E-15	3.05E-14	1.68E-15	3.34481E-14	2.365E-08	2.1974E-05	3.13934E-06	7.46397E-12	5.10535E-15	3.7255E-12	8.49415E-16
219	571110.6	4178159	0.55, 41781	1.19831	1.16386	0.6846	373.85472	174.62021	736.75515	53.40782	39.37776	93.09067	2.27E-08	2.44E-05	3.09E-06	7.01E-12	2.12E-11	1.67E-11	1.21E-15	2.93E-14	1.62E-15	3.21121E-14	2.27E-08	2.4424E-05	3.08633E-06	7.16584E-12	4.90143E-15	3.5767E-12	8.15487E-16
220	571150.6	4178159	0.55, 41781	1.53671	1.26322	0.72724	331.2731	149.81574	693.97089	50.26616	34.67292	96.78528	2.41E-08	2.3E-05	3.21E-06	7.44E-12	2.25E-11	1.78E-11	1.29E-15	3.11E-14	1.72E-15	3.41129E-14	2.412E-08	2.3006E-05	3.20877E-06	7.6123E-12	5.20682E-15	3.79954E-12	8.66296E-16
221	571190.6	4178159	0.55, 41781	1.71324	1.27647	0.80447	303.51531	125.05743	565.89383	43.45807	29.97586	80.84198	2.67E-08	1.88E-05	2.68E-06	8.23E-12	2.49E-11	1.96E-11	1.42E-15	3.44E-14	1.9E-15	3.77342E-14	2.668E-08	1.876E-05	2.68021E-06	8.42039E-12	5.75955E-15	4.20289E-12	9.58258E-16
222	571230.6	4178159	0.55, 41781	1.67997	1.21931	0.99011	277.00255	96.22407	622.39581	36.53844	24.95569	77.79948	3.28E-08	2.06E-05	2.58E-06	1.01E-11	3.06E-11	2.42E-11	1.75E-15	4.23E-14	2.34E-15	4.64371E-14	3.283E-08	2.0633E-05	2.57929E-06	1.03625E-11	7.08792E-15	5.17223E-12	1.17927E-15
223	571270.6	4178159	0.55, 41781	1.56347	1.13234	1.265	251.98402	83.18585	536.39129	31.498	20.71301	67.04891	4.19E-08	1.78E-05	2.22E-06	1.29E-11	3.91E-11	3.09E-11	2.24E-15	5.41E-14	2.99E-15	5.9324E-14	4.194E-08	1.7782E-05	2.22287E-06	1.32382E-11	9.05491E-15	6.6076E-12	1.50653E-15
224	571310.6	4178159	0.55, 41781	1.42012	1.03692	1.45126	223.09845	65.85457	360.16353	27.88731	18.21453	45.02044	4.81E-08	1.19E-05	1.49E-06	1.48E-11	4.48E-11	3.54E-11	2.57E-15	6.21E-14	3.43E-15	6.80554E-14	4.812E-08	1.194E-05	1.49263E-06	1.51866E-11	1.03876E-14	7.58011E-12	1.72827E-15
225	571350.6	4178159	0.55, 41781	1.26306	0.93714	1.42084	212.7442	53.05659	355.96566	26.59303	15.01468	44.49571	4.71E-08	1.18E-05	1.48E-06	1.45E-11	4.39E-11	3.47E-11	2.52E-15	6.08E-14	3.35E-15	6.66279E-14	4.711E-08	1.18E-05	1.47522E-06	1.4868E-11	1.01697E-14	7.42111E-12	1.69201E-15
226	571390.6	4178159	0.55, 41781	1.10199	0.83709	1.24864	185.92823	54.01949	274.01244	23.24103	13.29114	34.25155	4.14E-08	9.08E-06	1.14E-06	1.28E-11	3.86E-11	3.05E-11	2.21E-15	5.34E-14	2.95E-15	5.8553E-14	4.14E-08	9.0838E-06	1.13561E-06	1.30661E-11	8.93722E-15	6.52172E-12	1.48695E-15
227	571430.6	4178159	0.55, 41781	0.9418	0.73869	1.04204	159.26436	53.60229	222.79179	21.61583	11.2268	27.84897	3.45E-08	7.39E-06	9.23E-07	1.07E-11	3.22E-11	2.54E-11	1.84E-15	4.46E-14	2.46E-15	4.88653E-14	3.455E-08	7.3859E-06	9.23355E-07	1.09043E-11	7.45855E-15	5.44269E-12	1.24093E-15
228	571470.6	4178159	0.55, 41781	0.79447	0.64516	0.85663	139.92539	51.85557	187.30754	21.06215	9.90602	27.91527	2.84E-08	6.21E-06	9.26E-07	8.76E-12	2.65E-11	2.09E-11	1.52E-15	3.66E-14	2.02E-15	4.01712E-14	2.84E-08	6.2096E-06	9.25548E-07	8.96421E-12	6.13152E-15	4.47432E-12	1.02015E-15
229	571510.6	4178159	0.55, 41781	0.67282	0.56206	0.7111	120.25585	49.92459	159.61818	19.96311	8.50885	26.60303	2.36E-08	5.29E-06	8.82E-07	7.28E-12	2.2E-11	1.74E-11	1.26E-15	3.04E-14	1.68E-15	3.33469E-14	2.358E-08	5.2917E-06	8.82039E-07	7.44138E-12	5.0899E-15	3.71423E-12	8.46845E-16
230	571550.6	4178159	0.55, 41781	0.57423	0.48972	0.59807	110.64777	47.57404	144.95635	18.4413	7.31081	24.15939	1.98E-08	4.81E-06	8.01E-07	6.12E-12	1.85E-11	1.46E-11	1.06E-15	2.56E-14	1.41E-15	2.80466E-14	1.983E-08	4.8056E-06	8.01021E-07	6.25861E-12	4.28089E-15	3.12387E-12	7.12243E-16
231	571590.6	4178159	0.55, 41781	0.49292	0.42713	0.50772	100.4908	44.5532	128.72625	16.74847	6.44552	21.45437	1.68E-08	4.27E-06	7.11E-07	5.19E-12	1.57E-11	1.24E-11	8.99E-16	2.17E-14	1.2E-15	2.38098E-14	1.683E-08	4.2676E-06	7.11338E-07	5.31316E-12	3.6342E-15	2.65197E-12	6.04649E-16
232	570310.6	4178199	0.55, 41781	0.10691	0.07648	0.10208	81.28791	24.55019	79.664	10.16099	3.94128	9.958	3.38E-09	2.64E-06	3.3E-07	1.04E-12	3.15E-12	2.49E-12	1.81E-16	4.37E-15	2.41E-16	4.78699E-15	3.385E-09	2.641E-06	3.30188E-07	1.06822E-12	7.30662E-16	5.33182E-13	1.21566E-16
233	570350.6	4178199	0.55, 41781	0.11881	0.08587	0.11329	92.41038	27.80697	96.15133	11.5513	4.55912	12.01892	3.76E-09	3.19E-06	3.99E-07	1.16E-12	3.5E-12	2.76E-12	2.01E-16	4.84E-15	2.67E-16	5.31269E-15	3.756E-09	3.1876E-06	3.98517E-07	1.18553E-12	8.10902E-16	5.91735E-13	1.34916E-16
234	570390.6	4178199	0.55, 41781	0.13286	0.09703	0.12666	98.9418	30.67703	108.4605	12.36772	5.11284	13.55756	4.2E-09	3.6E-06	4.5E-07	1.3E-12	3.91E-12	3.09E-12	2.24E-16	5.42E-15	2.99E-16	5.93969E-15	4.2E-09	3.5957E-06	4.49529E-07	1.32544E-12	9.06603E-16	6.61571E-13	1.50838E-16
235	570430.6	4178199	0.55, 41781	0.14935	0.11037	0.14231	98.24021	33.47488	112.67373	12.28003	5.57915	14.08422	4.72E-09	3.74E-06	4.67E-07	1.46E-12	4.4E-12	3.47E-12	2.52E-16	6.09E-15	3.36E-16	6.6736E-15	4.718E-09	3.7354E-06	4.66986E-07	1.48922E-12	1.01862E-15	7.43316E-13	1.69476E-16
236	570470.6	4178199	0.55, 41781	0.1686	0.12646	0.16043	107.25905	35.76824	115.05444	13.40738	5.96137	14.38181	5.32E-09	3.81E-06	4.77E-07	1.64E-12	4.96E-12	3.91E-12	2.84E-16	6.86E-15	3.79E-16	7.52336E-15	5.319E-09	3.8143E-06	4.76861E-07	1.67884E-12	1.14833E-15	8.37963E-13	1.91056E-16
237	570510.6	4178199	0.55, 41781	0.19081	0.14598	0.18108	111.923	37.71142	131.96286	13.99038	6.28524	16.49536	6E-09	4.37E-06	5.47E-07	1.85E-12	5.59E-12	4.42E-12	3.21E-16	7.74E-15	4.27E-16	8.49178E-15	6.004E-09	4.3748E-06	5.46928E-07	1.89494E-12	1.29614E-15	9.45827E-13	2.15649E-16
238	570550.6	4178199	0.55, 41781	0.21602	0.16987	0.20494	119.57772	40.00549	129.21029	14.94721	6.67621	16.15129	6.8E-09	4.28E-06	5.36E-07	2.1E-12	6.33E-12	5E-12	3.63E-16	8.76E-15	4.84E-16	9.61076E-15	6.795E-09	4.2836E-06	5.35531E-07	2.14464E-12	1.46694E-15	1.07046E-12	2.44065E-16
239	570590.6	4178199	0.55, 41781	0.24388	0.19917	0.2325	124.08345	42.52786	147.10165	15.51043	7.78928	18.38771	7.71E-09	4.88E-06	6.1E-07	2.38E-12	7.18E-12	5.67E-12	4.12E-16	9.94E-15	5.49E-16	1.09033E-14	7.709E-09	4.8767E-06	6.09671E-07	2.43307E-12	1.66422E-15	1.21442E-12	2.76888E-16
240	570630.6	4178199	0.55, 41781	0.27242	0.23473	0.26214	135.79301	45.13025	156.31523	16.97413	8.73982	19.5394	8.69E-09	5.18E-06	6.48E-07	2.68E-12	8.1E-12	6.4E-12	4.64E-16	1.12E-14	6.19E-16	1.22934E-14	8.692E-09	5.1821E-06	6.47861E-07	2.74327E-12	1.8764E-15	1.36925E-12	3.1219E-16
241	570670.6	4178199	0.55, 41781	0.29828	0.27729	0.29064	136.89517	48.04336	174.48935	17.44831	9.65486	21.81117	9.64E-09	5.78E-06	7.23E-07	2.97E-12	8.98E-12	7.09E-12	5.15E-16	1.24E-14	6.86E-16	1.36301E-14	9.637E-09	5.7846E-06	7.23172E-07	3.04156E-12	2.08043E-15	1.51814E-12	3.46136E-16
242	570710.6	4178199	0.55, 41781	0.321	0.32818	0.31291	151.98197	52.23375	185.24815	19.68934	11.4382	23.15602	1.04E-08	6.14E-06	7.68E-07	3.2E-12	9.67E-12	7.64E-12	5.54E-16	1.34E-14	7.39E-16	1.46748E-14	1.038E-08	6.1413E-06	7.67772E-07	3.2747E-12	2.23989E-15	1.63451E-12	3.72667E-16
243	570750.6	4178199	0.55, 41781	0.34558	0.38955	0.32771	144.14265	57.26085	196.68908	22.53194	13.53855	24.58613	1.09E-08	6.52E-06	8.15E-07	3.35E-12	1.01E-11	8E-12	5.8E-16	1.4E-14	7.74E-16	1.53695E-14	1.087E-08	6.5206E-06	8.15205E-07	3.4297E-12	2.34592E-15	1.71187E-12	3.90307E-16
244	570790.6	4178199	0.55, 41781	0.38143	0.46429	0.35275	173.32889	66.95506	241.81218	25.57778	15.36352	36.58263	1.17E-08	8.02E-06	1.21E-06	3.61E-12	1.09E-11	8.61E-12	6.25E-16	1.51E-14	8.33E-16	1.65444E-14	1.17E-08	8.0165E-06	1.2129E-06	3.69188E-12	2.52525E-15	1.84274E-12	4.20144E-16
245	570830.6	4178199	0.55, 41781	0.44289	0.55991	0.39405	200.31972	78.9407	262.23048	28.47462	17.66262	37.4615	1.31E-08	8.69E-06	1.24E-06	4.03E-12	1.22E-11	9.62E-12	6.98E-16	1.69E-14	9.3E-16	1.84819E-14	1.307E-08	8.6934E-06	1.24206E-06	4.12424E-12	2.82098E-15	2.05854E-12	4.69347E-16
246	570870.6	4178199	0.55, 41781	0.55133	0.6879	0.45528	245.75399	83.68372	263.19795	34.28137	20.83884	36.18743	1.51E-08	8.73E-06	1.2E-06	4.66E-12	1.41E-11	1.11E-11	8.06E-16	1.95E-14	1.07E-15	2.13542E-14	1.51E-08	8.7256E-06	1.19988E-06	4.76521E-12	3.2594E-15	2.37847E-12	5.42291E-16
247	570910.6	4178199	0.55, 41781	0.74216	0.86472	0.57468	353.61381	98.21675	387.24795	44.20173	24.01316	48.40599	1.91E-08	1.28E-05	1.61E-06	5.88E-12	1.78E-11	1.4E-11	1.02E-15	2.46E-14	1.36E-15	2.69546E-14	1.906E-08	1.2838E-05	1.605E-06	6.01492E-12	4.1142E-15	3.00224E-12	6.8451E-16
248	570950.6	4178199	0.55, 41781	1.08517	1.1274	0.77671	376.11466	111.85514	479.74888	52.74149	29.33795	59.96861	2.58E-08	1.59E-05	1.99E-06	7.95E-12	2.4E-11	1.9E-11	1.38E-15	3.32E-14	1.83E-15	3.64301E-14	2.576E-08	1.5904E-05	1.98836E-06	8.12939E-12	5.5605E-15	4.05764E-12	9.25142E-16
249	570990.6	4178199	0.55, 41781	1.58976	1.56693	1.05873	410.19015	135.68135	559.12982	68.60008	44.06737	76.18548	3.51E-08	1.85E-05	2.53E-06	1.08E-11	3.27E-11	2.58E-11	1.87E-15	4.53E-14	2.5E-15	4.96582E-14	3.511E-08	1.8536E-05	2.52608E-06	1.10812E-11	7.57957E-15	5.531E-12	1.26107E-15
250	571030.6	4178199	0.55, 41781	2.42958	2.27373	1.377	561.74649	191.25505	728.04918	107.05418	55.40677	100.45619	4.57E-08	2.41E-05	3.33E-06	1.41E-11	4.25E-11	3.36E-11	2.44E-15	5.89E-14	3.25E-15	6.45894E-14	4.567E-08	2.4136E-05	3.33097E-06	1.44131E-11	9.85859E-15	7.19406E-12	1.64025E-15
251	571070.6	4178199	0.55, 41781	3.58306	3.18041	1.39903	721.18769	259.71405	966.70756	139.44796	73.67892	146.94766	4.64E-08	3.2E-05	4.87E-06	1.43E-11	4.32E-11	3.42E-11	2.48E-15	5.99E-14	3.3E-15	6.56343E-14	4.641E-08	3.2048E-05	4.8724E-06	1.46463E-11	1.00181E-14	7.31044E-12	1.66678E-15
252	571110.6	4178199	0.55, 41781	5.26167	3.22788	1.2956	536.30163	206.72583	1199.13306	116.57539	57.94295	153.9862	4.3E-08	3.98E-05	5.11E-06	1.33E-11	4E-11	3.16E-11	2.29E-15	5.54E-14	3.06E-15	6.07877E-14	4.298E-08	3.9752E-05	5.10551E-06	1.35648E-11	9.27833E-15	6.77063E-12	1.5437E-15
253	571150.6	4178199	0.55, 41781	4.55265	2.7214	1.43074	406.82024	165.14744	1078.46551	75.27018	43.84452	138.95995	4.75E-08	3.58E-05	4.61E-06	1.46E-11	4.42E-11	3.49E-11	2.53E-15	6.12E-14	3.38E-15	6.71169E-14	4.745E-08	3.5752E-05	4.60703E-06	1.49772E-11	1.02444E-14	7.47558E-12	1.70443E-15
254	571190.6	4178199	0.55, 41781	3.6655	2.27193	1.9191	348.88414	129.45816	921.59929	55.11772	35.12171	118.18584	6.36E-08	3.06E-05	3.92E-06	1.96E-11	5.93E-11	4.68E-11	3.4E-15	8.21E-14	4.53E-15	9.00071E-14	6.364E-08	3.0551E-05	3.91821E-06	2.00851E-11	1.37382E-14	1.00251E-11	2.28573E-15

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	0.0057	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	0.0057	10	2	70	0.85
2<9	861	1	0.854795	0.000001	0.0057	3	0.55	70	0.72
Student	640	1	0.493151	0.000001	0.0057	3	2.8	70	1
Worker	230	1	0.684932	0.000001	0.0057	1	2.8	70	1

cis-1,2-Dichloroethene

	Chronic (Annu	Acute (1hr)	8hr
REL:	1	1	1

255	571230.6	4178199	0.55, 41781	2.99647	1.91661	2.63905	311.11499	100.77545	780.81724	44.29874	28.05958	97.60216	8.75E-08	2.59E-05	3.24E-06	2.7E-11	8.15E-11	6.44E-11	4.67E-15	1.13E-13	6.23E-15	1.23757E-13	8.75E-08	2.5884E-05	3.23579E-06	2.76163E-11	1.88896E-14	1.37842E-11	3.1428E-15
256	571270.6	4178199	0.55, 41781	2.48655	1.63354	2.7833	275.28639	78.6156	563.64868	36.03295	23.70769	70.45609	9.23E-08	1.87E-05	2.34E-06	2.85E-11	8.6E-11	6.79E-11	4.93E-15	1.19E-13	6.57E-15	1.30516E-13	9.228E-08	1.8685E-05	2.33586E-06	2.91246E-11	1.99212E-14	1.4537E-11	3.31444E-15
257	571310.6	4178199	0.55, 41781	2.04979	1.39182	2.36332	251.65063	69.80646	418.93362	31.45633	18.505	52.3667	7.84E-08	1.39E-05	1.74E-06	2.42E-11	7.3E-11	5.77E-11	4.18E-15	1.01E-13	5.58E-15	1.10822E-13	7.835E-08	1.3888E-05	1.73618E-06	2.47299E-11	1.69153E-14	1.23435E-11	2.81432E-15
258	571350.6	4178199	0.55, 41781	1.66907	1.18291	1.84305	207.71058	67.17721	304.96385	28.41822	15.5683	43.42728	6.11E-08	1.01E-05	1.44E-06	1.89E-11	5.69E-11	4.5E-11	3.26E-15	7.88E-14	4.35E-15	8.64263E-14	6.111E-08	1.011E-05	1.43982E-06	1.92861E-11	1.31917E-14	9.62629E-12	2.19479E-15
259	571390.6	4178199	0.55, 41781	1.33874	0.99933	1.42084	175.53523	63.93291	243.3206	26.80029	13.20173	40.55343	4.71E-08	8.07E-06	1.34E-06	1.45E-11	4.39E-11	3.47E-11	2.52E-15	6.08E-14	3.35E-15	6.66287E-14	4.711E-08	8.0665E-06	1.34454E-06	1.48682E-11	1.01699E-14	7.4212E-12	1.69203E-15
260	571430.6	4178199	0.55, 41781	1.08215	0.84466	1.12094	146.49279	60.30749	207.71024	24.41546	11.02968	34.61837	3.72E-08	6.89E-06	1.15E-06	1.15E-11	3.46E-11	2.74E-11	1.98E-15	4.79E-14	2.65E-15	5.25659E-14	3.717E-08	6.886E-06	1.14778E-06	1.17301E-11	8.02339E-15	5.85487E-12	1.33491E-15
261	571470.6	4178199	0.55, 41781	0.88511	0.71494	0.90372	129.54701	55.96987	172.11269	21.59117	9.33698	28.68545	3E-08	5.71E-06	9.51E-07	9.25E-12	2.79E-11	2.21E-11	1.6E-15	3.86E-14	2.13E-15	4.23799E-14	2.996E-08	5.7059E-06	9.51083E-07	9.45708E-12	6.46865E-15	4.72033E-12	1.07624E-15
262	571510.6	4178199	0.55, 41781	0.73336	0.60746	0.74181	112.64977	51.14316	142.69265	18.77496	8.40942	23.78211	2.46E-08	4.73E-06	7.89E-07	7.59E-12	2.29E-11	1.81E-11	1.31E-15	3.17E-14	1.75E-15	3.47874E-14	2.46E-08	4.7306E-06	7.88518E-07	7.76281E-12	5.30976E-15	3.87467E-12	8.83424E-16
263	571550.6	4178199	0.55, 41781	0.6189	0.52125	0.62191	97.68282	46.08498	120.36205	16.28047	7.59304	20.06034	2.06E-08	3.99E-06	6.65E-07	6.36E-12	1.92E-11	1.52E-11	1.1E-15	2.66E-14	1.47E-15	2.91648E-14	2.062E-08	3.9903E-06	6.65123E-07	6.50813E-12	4.45156E-15	3.24841E-12	7.40639E-16
264	571590.6	4178199	0.55, 41781	0.52714	0.45016	0.52751	84.87826	41.93857	102.67653	14.14638	6.8553	17.11275	1.75E-08	3.4E-06	5.67E-07	5.4E-12	1.63E-11	1.29E-11	9.34E-16	2.26E-14	1.25E-15	2.47379E-14	1.749E-08	3.404E-06	5.67395E-07	5.52028E-12	3.77587E-15	2.75535E-12	6.28219E-16
265	570310.6	4178239	0.55, 41782	0.10871	0.07725	0.10419	69.36135	22.19632	77.30253	9.49069	3.20395	10.55794	3.45E-09	2.56E-06	3.5E-07	1.07E-12	3.22E-12	2.54E-12	1.84E-16	4.46E-15	2.46E-16	4.88593E-15	3.455E-09	2.5627E-06	3.50069E-07	1.0903E-12	7.45763E-16	5.44202E-13	1.24078E-16
266	570350.6	4178239	0.55, 41782	0.12097	0.08699	0.11543	80.24676	23.95533	77.73127	10.03084	3.79637	10.6184	3.83E-09	2.58E-06	3.52E-07	1.18E-12	3.57E-12	2.82E-12	2.04E-16	4.94E-15	2.72E-16	5.41304E-15	3.827E-09	2.577E-06	3.52078E-07	1.20792E-12	8.26219E-16	6.02912E-13	1.37464E-16
267	570390.6	4178239	0.55, 41782	0.13576	0.09875	0.129	97.68381	28.15369	96.07123	12.21048	4.56788	12.0089	4.28E-09	3.18E-06	3.98E-07	1.32E-12	3.99E-12	3.15E-12	2.28E-16	5.52E-15	3.05E-16	6.04942E-15	4.277E-09	3.185E-06	3.98191E-07	1.34993E-12	9.23352E-16	6.73793E-13	1.53625E-16
268	570430.6	4178239	0.55, 41782	0.15369	0.11303	0.14573	112.57412	32.01468	119.02369	14.07177	5.30028	14.87796	4.83E-09	3.95E-06	4.93E-07	1.49E-12	4.5E-12	3.56E-12	2.58E-16	6.23E-15	3.44E-16	6.83399E-15	4.832E-09	3.9459E-06	4.93314E-07	1.52501E-12	1.0431E-15	7.61179E-13	1.73549E-16
269	570470.6	4178239	0.55, 41782	0.17542	0.1305	0.16624	120.86213	35.6675	135.90431	15.10777	5.94458	16.98804	5.51E-09	4.51E-06	5.63E-07	1.7E-12	5.14E-12	4.06E-12	2.94E-16	7.11E-15	3.92E-16	7.79582E-15	5.512E-09	4.5055E-06	5.6327E-07	1.73964E-12	1.18991E-15	8.68309E-13	1.97975E-16
270	570510.6	4178239	0.55, 41782	0.20166	0.15208	0.19089	118.29832	38.86505	139.27939	14.78729	6.47751	17.40992	6.33E-09	4.62E-06	5.77E-07	1.95E-12	5.9E-12	4.66E-12	3.38E-16	8.16E-15	4.51E-16	8.9518E-15	6.329E-09	4.6174E-06	5.77252E-07	1.9976E-12	1.36636E-15	9.97065E-13	2.27331E-16
271	570550.6	4178239	0.55, 41782	0.23297	0.17899	0.21994	134.82021	41.51275	155.81716	16.85253	6.91879	19.47714	7.29E-09	5.17E-06	6.46E-07	2.25E-12	6.79E-12	5.37E-12	3.89E-16	9.41E-15	5.19E-16	1.03142E-14	7.292E-09	5.1656E-06	6.45796E-07	2.30161E-12	1.5743E-15	1.14881E-12	2.61928E-16
272	570590.6	4178239	0.55, 41782	0.26933	0.21289	0.25402	138.182	44.61865	161.93184	17.27275	7.89914	20.24148	8.42E-09	5.37E-06	6.71E-07	2.6E-12	7.85E-12	6.2E-12	4.5E-16	1.09E-14	6E-16	1.19124E-14	8.422E-09	5.3683E-06	6.71137E-07	2.65826E-12	1.81825E-15	1.32682E-12	3.02515E-16
273	570630.6	4178239	0.55, 41782	0.31001	0.25571	0.29378	151.57706	47.88426	180.12829	18.94713	9.37801	22.51604	9.74E-09	5.97E-06	7.47E-07	3.01E-12	9.08E-12	7.17E-12	5.2E-16	1.26E-14	6.94E-16	1.37771E-14	9.741E-09	5.9716E-06	7.46551E-07	3.07436E-12	2.10286E-15	1.53451E-12	3.49869E-16
274	570670.6	4178239	0.55, 41782	0.35129	0.30919	0.33746	163.01094	51.1286	193.67566	20.37637	10.66356	24.20946	1.12E-08	6.42E-06	8.03E-07	3.45E-12	1.04E-11	8.24E-12	5.97E-16	1.44E-14	7.97E-16	1.58257E-14	1.119E-08	6.4207E-06	8.02699E-07	3.5315E-12	2.41555E-15	1.76269E-12	4.01893E-16
275	570710.6	4178239	0.55, 41782	0.3879	0.37553	0.37852	161.77129	55.27243	215.9147	21.46966	11.91574	26.98934	1.26E-08	7.16E-06	8.95E-07	3.87E-12	1.17E-11	9.24E-12	6.7E-16	1.62E-14	8.94E-16	1.77516E-14	1.255E-08	7.1579E-06	8.94858E-07	3.96127E-12	2.70951E-15	1.9772E-12	4.50801E-16
276	570750.6	4178239	0.55, 41782	0.41955	0.45853	0.40652	185.09687	61.2613	243.75059	24.33831	15.0229	31.56234	1.35E-08	8.08E-06	1.05E-06	4.16E-12	1.26E-11	9.92E-12	7.2E-16	1.74E-14	9.6E-16	1.90653E-14	1.348E-08	8.0807E-06	1.04647E-06	4.25444E-12	2.91003E-15	2.12352E-12	4.84164E-16
277	570790.6	4178239	0.55, 41782	0.45531	0.56517	0.42739	195.76674	71.16962	229.68596	30.0466	17.67317	35.54387	1.42E-08	7.61E-06	1.18E-06	4.37E-12	1.32E-11	1.04E-11	7.57E-16	1.83E-14	1.01E-15	2.00451E-14	1.417E-08	7.6146E-06	1.17851E-06	4.47307E-12	3.05958E-15	2.23265E-12	5.09045E-16
278	570830.6	4178239	0.55, 41782	0.51729	0.70869	0.46924	186.14136	86.93814	313.42291	30.32646	20.0795	44.72862	1.56E-08	1.04E-05	1.48E-06	4.8E-12	1.45E-11	1.15E-11	8.31E-16	2.01E-14	1.11E-15	2.2009E-14	1.556E-08	1.039E-05	1.48297E-06	4.9113E-12	3.35933E-15	2.45139E-12	5.58917E-16
279	570870.6	4178239	0.55, 41782	0.63421	0.91745	0.53024	225.98347	96.3139	311.28977	37.66391	24.81387	41.34654	1.76E-08	1.03E-05	1.37E-06	5.43E-12	1.64E-11	1.29E-11	9.39E-16	2.27E-14	1.25E-15	2.48715E-14	1.758E-08	1.032E-05	1.37093E-06	5.55008E-12	3.79625E-15	2.77022E-12	6.3161E-16
280	570910.6	4178239	0.55, 41782	0.85302	1.23442	0.65693	293.13359	117.47886	326.7744	47.06613	30.6738	48.00957	2.18E-08	1.08E-05	1.59E-06	6.72E-12	2.03E-11	1.6E-11	1.16E-15	2.81E-14	1.55E-15	3.08152E-14	2.179E-08	1.0833E-05	1.59189E-06	6.87643E-12	4.70348E-15	3.43224E-12	7.82552E-16
281	570950.6	4178239	0.55, 41782	1.35023	1.79208	0.88884	455.80102	142.22416	478.03953	68.40553	39.86266	68.50221	2.95E-08	1.58E-05	2.27E-06	9.1E-12	2.75E-11	2.17E-11	1.57E-15	3.8E-14	2.1E-15	4.16953E-14	2.948E-08	1.5848E-05	2.27139E-06	9.30432E-12	6.36416E-15	4.64408E-12	1.05885E-15
282	570990.6	4178239	0.55, 41782	3.0182	3.06414	1.32054	885.93977	193.04223	771.54657	147.1874	58.20401	96.44332	4.38E-08	2.56E-05	3.2E-06	1.35E-11	4.08E-11	3.22E-11	2.34E-15	5.65E-14	3.12E-15	6.19522E-14	4.38E-08	2.5578E-05	3.19831E-06	1.38247E-11	9.45607E-15	6.90033E-12	1.57327E-15
283	571030.6	4178239	0.55, 41782	7.70332	4.46365	2.30139	679.65913	243.63294	1123.21669	144.28562	71.78775	156.8655	7.63E-08	3.72E-05	5.2E-06	2.36E-11	7.11E-11	5.62E-11	4.08E-15	9.85E-14	5.43E-15	1.07961E-13	7.633E-08	3.7236E-05	5.20121E-06	2.40916E-11	1.64786E-14	1.20249E-11	2.74167E-15
284	571110.6	4178239	0.55, 41782	48.37684	13.76668	3.52906	1082.14109	288.2044	2417.61379	441.33003	115.9324	328.07057	1.17E-07	8.01E-05	1.09E-05	3.61E-11	1.09E-10	8.62E-11	6.25E-15	1.51E-13	8.34E-15	1.6568E-13	1.171E-07	8.0144E-05	1.08791E-05	3.69716E-11	2.52886E-14	1.84537E-11	4.20745E-15
285	571150.6	4178239	0.55, 41782	14.38318	6.22649	4.84511	550.93904	192.81003	1871.63269	147.46183	59.89562	339.77194	1.61E-07	6.2E-05	1.13E-05	4.96E-11	1.5E-10	1.18E-10	8.58E-15	2.07E-13	1.14E-14	2.27251E-13	1.607E-07	6.2044E-05	1.12644E-05	5.07112E-11	3.46865E-14	2.53116E-11	5.77104E-15
286	571190.6	4178239	0.55, 41782	8.08563	4.10425	7.76231	423.01159	138.20819	1326.9025	88.76631	43.45879	203.98194	2.57E-07	4.4E-05	6.76E-06	7.94E-11	2.4E-10	1.89E-10	1.37E-14	3.32E-13	1.83E-14	3.6399E-13	2.574E-07	4.3987E-05	6.76255E-06	8.12245E-11	5.55576E-14	4.05417E-11	9.24352E-15
287	571230.6	4178239	0.55, 41782	5.48613	3.01374	6.36519	364.79857	99.98669	820.37732	64.1708	32.88659	114.5851	2.11E-07	2.72E-05	3.8E-06	6.51E-11	1.97E-10	1.55E-10	1.13E-14	2.72E-13	1.5E-14	2.98471E-13	2.11E-07	2.7196E-05	3.79894E-06	6.66038E-11	4.5557E-14	3.32441E-11	7.57966E-15
288	571270.6	4178239	0.55, 41782	3.91656	2.30583	4.21608	308.69657	91.16262	501.73471	42.97299	25.31404	83.35946	1.4E-07	1.66E-05	2.76E-06	4.31E-11	1.3E-10	1.03E-10	7.46E-15	1.8E-13	9.95E-15	1.97701E-13	1.398E-07	1.6633E-05	2.76365E-06	4.41169E-11	3.0176E-14	2.20202E-11	5.0206E-15
289	571310.6	4178239	0.55, 41782	2.81911	1.80691	2.86031	238.76095	82.99282	368.88984	36.57222	19.65898	61.48164	9.48E-08	1.22E-05	2.04E-06	2.93E-11	8.84E-11	6.98E-11	5.06E-15	1.22E-13	6.75E-15	1.34129E-13	9.483E-08	1.2229E-05	2.03837E-06	2.99309E-11	2.04727E-14	1.49395E-11	3.4062E-15
290	571350.6	4178239	0.55, 41782	2.07392	1.43877	2.07081	186.98174	75.01218	257.12826	31.16362	15.62493	42.85471	6.87E-08	8.52E-06	1.42E-06	2.12E-11	6.4E-11	5.05E-11	3.67E-15	8.86E-14	4.89E-15	9.71082E-14	6.866E-08	8.5243E-06	1.42086E-06	2.16697E-11	1.48221E-14	1.08161E-11	2.46606E-15
291	571390.6	4178239	0.55, 41782	1.57003	1.1589	1.56847	153.36435	67.14235	200.39228	25.56072	13.28221	31.13336	5.2E-08	6.64E-06	1.03E-06	1.6E-11	4.85E-11	3.83E-11	2.78E-15	6.71E-14	3.7E-15	7.35524E-14	5.2E-08	6.6434E-06	1.03226E-06	1.64132E-11	1.12267E-14	8.19237E-12	1.86786E-15
292	571430.6	4178239	0.55, 41782	1.23548	0.94866	1.2378	124.99719	59.46648	164.5542	20.83286	11.6734	24.18073	4.1E-08	5.46E-06	8.02E-07	1.27E-11	3.82E-11	3.02E-11	2.19E-15	5.29E-14	2.92E-15	5.80462E-14	4.104E-08	5.4554E-06	8.01751E-07	1.2953E-11	8.85987E-15	6.46527E-12	1.47408E-15
293	571470.6	4178239	0.55, 41782	0.99131	0.7845	0.9961	109.3041	54.21436	142.14876	17.2339	10.26711	19.9293	3.3E-08	4.71E-06	6.61E-07	1.02E-11	3.08E-11	2.43E-11	1.76E-15	4.26E-14	2.35E-15	4.6712E-14	3.303E-08	4.7126E-06	6.60788E-07	1.04238E-11	7.12988E-15	5.20285E-12	1.18625E-15
294	571510.6	4178239	0.55, 41782	0.81688	0.65976	0.82266	100.30585	50.40167	129.05875	14.55844	9.03737	16.96469	2.73E-08	4.28E-06	5.62E-07	8.42E-12	2.54E-11	2.01E-11	1.46E-15	3.52E-14	1.94E-15	3.85787E-14	2.728E-08	4.2786E-06	5.62491E-07	8.60885E-12	5.88845E-15	4.29695E-12	9.79705E-16
295	571550.6	4178239	0.55, 41782	0.68618	0.56281	0.69258	92.19218	46.80105	116.817	12.52836	7.96128	14.60636	2.3E-08	3.87E-06	4.84E-07	7.09E-12	2.14E-11	1.69E-11	1.23E-15	2.96E-14	1.63E-15	3.24787E-14	2.296E-08	3.8728E-06	4.84297E-07	7.24763E-12	4.95738E-15	3.61752E-12	8.24795E-16
296	571590.6	4178239	0.55, 41782	0.57854	0.48285	0.58537	84.94405	43.3686	105.85184	10.89629	7.01254	13.23148	1.94E-08	3.51E-06	4.39E-07	5.99E-12	1.81E-11	1.43E-11	1.04E-15	2.5E-14	1.38E-15	2.74511E-14	1.941E-08	3.5093E-06	4.38706E-07	6.12573E-12	4.19E-15	3.05755E-12	6.9712E-16
297	570310.6	4178279	0.55, 41782	0.11004	0.07807	0.10589	74.04292	22.79319	77.67346	10.17864	3.64675	10.70288	3.51E-09	2.58E-06	3.55E-07	1.08E-12	3.27E-12	2.58E-12	1.87E-16	4.53E-15	2.5E-16	4.96565E-15	3.511E-09	2.575E-06	3.5488E-07	1.10809E-12	7.5793E-16	5.53081E-13	1.26102E-16
298	570350.6	4178279	0.55, 41782	0.12249	0.08802	0.11726	80.9847	23.74961	88.18196	11.08549	3.81596	12.05595	3.89E-09	2.92E-06	4E-07	1.2E-12	3.62E-12	2.86E-12	2.08E-16	5.01E-15	2.77E-16	5.49885E-15	3.888E-09	2.9234E-06	3.99741E-07	1.22707E-12	8.39317E-16	6.1247E-13	1.39643E-16
299	570390.6	4178279	0.55, 41782	0.13757	0.10016	0.13084	86.03589	24.80698	96.47388	11.74551	4.00404	13.13274	4.34E-09	3.2E-06	4.35E-07	1.34E-12	4.04E-12	3.19E-12	2.32E-16	5.6E-15	3.09E-16	6.13571E-15	4.338E-09	3.1983E-06	4.35441E-07	1.36918E-12	9.36522E-16	6.83404E-13	1.55816E-16
300	570430.6	4178279	0.55, 41782	0.15607	0.11514	0.14747	96.31741	27.84204	100.58043	12.03968	4.46456	13.6645	4.89E-09	3.33E-06	4.53E-07	1.51E-12	4.56E-12	3.6E-12	2.61E-16	6.31E-15	3.48E-16	6.91559E-15	4.89E-09	3.3344E-06	4.53071E-07	1.54322E-12	1.05556E-15	7.70269E-13	1.75621E-16
301	570470.6	4178279	0.55, 41782	0.17907	0.13378	0.16835	120.52086	33.01708	119.41006	15.06511	5.41696	14.92626	5.58E-09	3.96E-06	4.95E-07	1.72E-12	5.2E-12	4.11E-12	2.98E-16	7.2E-15	3.97E-16	7.89479E-15	5.582E-09	3.9587E-06	4.94924E-07	1.76172E-12	1.20502E-15	8.79333E-13	2.00488E-16
302	570510.6	4178279	0.55, 41782	0.20795	0.15724	0.19497	141.57577	37.85068	153.41811	17.69697	6.30845	19.17726	6.46E-09	5.09E-06	6.36E-07	1.99E-12	6.02E-12	4.76E-12	3.45E-16	8.34E-15	4.6E-16	9.14316E-15	6.464E-09	5.0861E-06	6.35863E-07	2.0403E-12	1.39556E-15	1.01838E-12	2.3219E-16
303	570550.6	4178279	0.55, 41782	0.24435	0.18714	0.22876	153.17347	42.50173	177.88461	19.14668	7.08362	22.23558	7.58E-09	5.9E-06	7.37E-07	2.34E-12	7.07E-12	5.58E-12	4.05E-16	9.78E-15	5.4E-16	1.07278E-14	7.585E-09	5.8971E-06	7.37256E-07	2.39391E-12	1.63743E-15	1.19488E-12	2.72432E-16
304	570590.6	4178279	0.55, 41782	0.28993	0.22577	0.27077	157.86485	46.41285	177.78268	19.73311	7.73548	22.22284	8.98E-09	5.89E-06	7.37E-07	2.77E-12	8.36E-12	6.61E-12	4.79E-16	1.16E-14	6.39E-16	1.26979E-14	8.978E-09	5.8938E-06	7.36839E-07	2.83354E-12	1.93814E-15	1.41431E-12	3.22463E-16
305	570630.6	4178279	0.55, 41782	0.34541	0.27631	0.32199	169.89337	50.77009	212.69617	21.23667	9.57894	26.58702	1.07E-08	7.05E-06	8.82E-07	3.29E-12	9.95E-12	7.86E-12	5.7E-16	1.38E-14	7.6E-16	1.51E-14	1.068E-08	7.0512E-06	8.8152E-07	3.36957E-12	2.30478E-15	1.68186E-12	3.83464E-16
306	570670.6	4178279	0.55, 41782	0.40869	0.34273	0.38328	189.16159	55.36754	226.13934	23.6452	11.64813	28.26742	1.27E-08	7.5E-06	9.37E-07	3.92E-12	1.18E-11	9.35E-12	6.79E-16	1.64E-14	9.05E-16	1.79744E-14	1.271E-08	7.4969E-06	9.37245E-07	4.01099E-12	2.74352E-15	2.00201E-12	4.56459E-16
307	570710.6	4178279	0.55, 41782	0.47241	0.42944	0.45188	202.37611	59.97812	249.97635	25.29701	13.4468	31.24704	1.5E-08	8.29E-06	1.04E-06	4.62E-12	1.4E-11	1.1E-11	8E-16	1.93E-14	1.07E-15	2.11917E-14	1.498E-08	8.2871E-06	1.03603E-06	4.72895E-12	3.2346E-15	2.36037E-12	5.38164E-16
308	570750.6	4178279	0.55, 41782	0.52143	0.53099	0.51003	207.36077	66.44988	280.46815	28.38204	16.35494	35.05852	1.69E-08	9.3E-06	1.16E-06	5.22E-12	1.58E-11	1.24E-11	9.03E-16	2.18E-14	1.2E-15	2.39193E-14	1.691E-08	9.2979E-06	1.1624E-06	5.3376E-12	3.65092E-15	2.66417E-12	6.0743E-16
309	570790.6	4178279	0.55, 41782	0.56782	0.69623	0.54766	217.33897	75.80804	318.83899	33.24185	20.36018	42.96761	1.82E-08	1.06E-05	1.42E-06	5.6E-12	1.69E-11	1.34E-11	9.7E-16	2.34E-14	1.29E-15	2.56856E-14	1.816E-08	1.057E-05	1.42463E-06	5.73174E-12	3.92051E-15	2.86089E-12	6.52284E-16
310	570830.6	4178279	0.55, 41782	0.62461	0.91706	0.58168	236.67869	94.57659	403.572	34.09074	24.90976	60.93237	1.93E-08	1.34E-05	2.02E-06	5.95E-12	1.8E-11	1.42E-11	1.03E-15	2.49E-14	1.37E-15	2.72832E-14	1.929E-08	1.3379E-05	2.02014E-06	6.08825E-12	4.16437E-15	3.03884E-12	6.92856E-16
311	570870.6	4178279	0.55, 41782	0.74364	1.27032	0.64347	232.57719	121.10786	430.4482	38.76287	29.17824	53.80602	2.13E-08	1.43E-05	1.78E-06	6.59E-12	1.99E-11	1.57E-11	1.14E-15	2.75E-14	1.52E-15	3.01844E-14	2.134E-08	1.427E-05	1.78396E-06	6.73567E-12	4.60719E-15	3.36199E-12	7.66533E-16
312	570910.6	4178279	0.55, 41782	0.98087	1.94043	0.78377	289.58181	139.00222	423.1545	48.26363	45.30681	59.61258	2.6E-08	1.4E-05	1.98E-06	8.02E-12	2.42E-11	1.91E-11	1.39E-15	3.35E-14	1.85E-15	3.67704E-14	2.6E-08	1.4028E-05	1.97652E-06	8.20532E-12	5.61244E-15	4.09554E-12	9.33783E-16
313	570950.6	4178279	0.55, 41782	1.54705	3.33468	1.05206	380.89662	209.14004	464.4183	63.48277	60.99964	77.40305	3.49E-08	1.54E-05	2.57E-06	1.08E-11	3.25E-11	2.57E-11	1.86E-15	4.5E-14	2.48E-15	4.93659E-14	3.49E-08	1.5397E-05	2.56639E-06	1.1016E-11	7.53495E-15	5.49844E-12	1.25365E-15
314	571150.6	4178279	0.55, 41782	125.5821	15.27099	61.53709	2183.625	235.47088	4321.7852	1020.3296	115.3363	966.08792	2.04E-06	0.000143	3.2E-05	6.3E-10	1.9E-09	1.5E-09	1.09E-13	2.63E-12	1.45E-13	2.88548E-12	2.04E-06	0.00014327	3.20339E-05	6.43895E-10	4.40424E-13	3.21388E-10	7.32766E-14
315	571190.6	4178279	0.55, 41782	19.14498	7.50998	20.68123	704.1647	157.76938	1300.13062	186.41477	61.8786	262.75525	6.86E-07	4.31E-05	8.71E-06	2.12E-10	6.39E-10	5.05E-10	3.66E-14	8.84E-13	4.88E-14	9.69741E-13	6.856E-07	4.31E-05	8.7117E-06	2.16398E-10	1.48016E-13	1.08011E-10	2.46265E-14
316	571230.6	4178279	0.55, 41782	9.41744	4.44398	9.68706	418.2482	120.63814	710.71948	87.01567	39.51148	138.35634	3.21E-07	2.36E-05	4.59E-06	9.91E-11	2.99E-10	2.36E-10	1.71E-14	4.14E-13	2.29E-14	4.54237E-13	3.212E-07	2.3561E-05	4.58713E-06	1.01363E-10	6.93323E-14	5.05935E-11	1.15353E-14
317	571270.6	4178279	0.55, 41782	5.33507	3.02277	5.65407	265.61255	99.06709	486.13138	58.88721	29.56115	89.94232	1.87E-07	1.61E-05	2.98E-06	5.78E-11	1.75E-10	1.38E-10	1E-14	2.42E-13	1.33E-14	2.6513E-13	1.875E-07	1.6116E-05	2.98201E-06	5.91639E-11	4.04681E-14	2.95306E-11	6.73297E-15
318	571310.6	4178279	0.55, 41782	3.44949	2.20529	3.73581	197.38222	83.78037	349.19747	42.40574	23.44903	62.97539	1.24E-07	1.16E-05	2.09E-06	3.82E-11	1.15E-10	9.12E-11	6.61E-15	1.6E-13	8.82E-15	1.75182E-13	1.239E-07	1.1576E-05	2.08794E-06	3.90918E-11	2.67388E-14	1.9512E-11	4.44873E-15
319	571350.6	4178279	0.55, 41782	2.42474	1.67304	2.63741	164.77993	74.08708	262.11907	31.82391	19.20475	45.98547	8.74E-08	8.69E-06	1.52E-06	2.7E-11	8.15E-11	6.44E-11	4.67E-15	1.13E-13	6.23E-15	1.23676E-13	8.744E-08	8.6897E-06	1.52465E-06	2.75984E-11	1.88773E-14	1.37752E-11	3.14075E-15
320	571390.6	4178279	0.55, 41782	1.80332	1.30805	1.94946	139.62437	66.18564	204.22507	24.75802	16.07748	34.84377	6.46E-08	6.77E-06	1.16E-06	1.99E-11	6.02E-11	4.76E-11	3.45E-15	8.34E-14	4.6E-15	9.14169E-14	6.463E-08	6.7705E-06	1.15525E-06	2.03997E-11	1.39534E-14	1.01822E-11	2.32153E-15
321	571430.6	4178279	0.55, 41782	1.38872	1.04688	1.49158	120.07885	59.47148	164.54693	19.78612	13.66223	27.17412	4.95E-08	5.46E-06	9.01E-07	1.53E-11	4.61E-11	3.64E-11	2.64E-15	6.38E-14	3.52E-15	6.99459E-14	4.945E-08	5.4551E-06	9.00968E-07	1.56084E-11	1.06762E-14	7.79068E-12	1.77627E-15
322	571470.6	4178279	0.55, 41782	1.11171	0.86066	1.18684	104.95004	53.66694	136.91558	16.34545	11.81303	21.87493	3.94E-08	4.54E-06	7.25E-07	1.21E-11	3.67E-11	2.9E-11	2.1E-15	5.08E-14	2.8E-15	5.56558E-14	3.935E-08	4.5391E-06	7.25275E-07	1.24196E-11	8.49501E-15	6.19902E-12	1.41338E-15
323	571510.6	4178279	0.55, 41782	0.90331	0.71725	0.95952	92.95227	48.50847	116.77816	13.70064	10.27697	17.93941	3.18E-08	3.87E-06	5.95E-07	9.82E-12	2.96E-11	2.34E-11	1.7E-15	4.1E-14	2.27E-15	4.49961E-14	3.181E-08	3.8715E-06	5.94794E-07	1.00409E-11	6.86797E-15	5.01173E-12	1.14267E-15
324	571550.6	4178279	0.55, 41782	0.74685	0.60641	0.79002	83.35854	43.88956	102.16829	11.6678	9.00306	14.97338	2.62E-08	3.39E-06	4.96E-07	8.08E-12	2.44E-11	1.93E-11	1.4E-15	3.38E-14	1.86E-15	3.70477E-14	2.619E-08	3.3872E-06	4.96455E-07	8.2672E-12	5.65477E-15	4.12642E-12	9.40825E-16
325	571590.6	4178279	0.55, 41782	0.63093	0.52161	0.66513	75.57295	41.1264	91.05382	10.11638	7.96472	12.7323	2.21E-08	3.02E-06	4.22E-07	6.81E-12	2.05E-11	1.62E-11	1.18E-15	2.84E-14	1.57E-15	3.11911E-14	2.205E-08	3.0187E-06	4.22152E-07	6.96031E-12	4.76085E-15	3.47411E-12	7.92098E-16
326	570310.6	4178319	0.55, 41783	0.1112	0.07908	0.10686	65.67409	25.12162	71.57917	10.72274	3.92383	11.92986	3.54E-09	2.37E-06	3.96E-07	1.09E-12	3.3E-12	2.61E-12	1.89E-16	4.57E-15	2.52E-16	5.01114E-15	3.543E-09	2.373E-06	3.95558E-07	1.11824E-12	7.64874E-16	5.58148E-13	1.27258E-16
327	570350.6	4178319	0.55, 41783	0.12381	0.08915	0.11863	72.99363	26.3644	78.028	10.96785	4.13077	12.26515	3.93E-09	2.59E-06	4.07E-07	1.21E-12	3.66E-12	2.89E-12	2.1E-16	5.07E-15	2.8E-16	5.5631E-15	3.933E-09	2.5868E-06	4.06674E-07	1.24141E-12	8.49123E-16	6.19626E-13	1.41275E-16
328	570390.6	4178319	0.55, 41783	0.13907	0.1015	0.13256	85.61577	27.73961	87.79758	11.84211	4.3586	12.34233	4.4E-09	2.91E-06	4.09E-07	1.36E-12	4.1E-12	3.23E-12	2.35E-16	5.67E-15	3.13E-16	6.21636E-15	4.395E-09	2.9107E-06	4.09241E-07	1.38718E-12	9.48834E-16	6.92388E-13	1.57864E-16
329	570430.6	4178319	0.55, 41783	0.15783	0.11689	0.14946	97.99246	29.27563	105.83642	13.47747	4.61214	14.5399	4.96E-09	3.51E-06	4.82E-07	1.53E-12	4.62E-12	3.65E-12	2.65E-16	6.39E-15	3.53E-16	7.00891E-15	4.956E-09	3.5087E-06	4.82102E-07	1.56404E-12	1.0698E-15	7.80663E-13	1.77991E-16
330	570470.6	4178319	0.55, 41783	0.18134	0.13633	0.17027	108.90086	31.01454	122.78	14.92794	4.89871	16.74752	5.65E-09	4.07E-06	5.55E-07	1.74E-12	5.26E-12	4.15E-12	3.01E-16	7.28E-15	4.02E-16	7.98484E-15	5.646E-09	4.0704E-06	5.55295E-07	1.78182E-12	1.21876E-15	8.89363E-13	2.02775E-16
331	570510.6	4178319	0.55, 41783	0.21129	0.16124	0.19656	118.40452	33.29424	135.32696	15.9306	5.40834	18.39398	6.52E-09	4.49E-06	6.1E-07	2.01E-12	6.07E-12	4.8E-12	3.48E-16	8.41E-15	4.64E-16	9.21776E-15	6.517E-09	4.4863E-06	6.09882E-07	2.05695E-12	1.40695E-15	1.02669E-12	2.34085E-16
332	570550.6	4178319	0.55, 41783	0.2503	0.19368	0.23096	153.9338	39.94632	153.89508	19.24172	6.62991	19.23689	7.66E-09	5.1E-06	6.38E-07	2.36E-12	7.14E-12	5.64E-12	4.09E-16	9.88E-15	5.45E-16	1.0831E-14	7.658E-09	5.1019E-06	6.37854E-07	2.41694E-12	1.65319E-15	1.20637E-12	2.75053E-16
333	570590.6	4178319	0.55, 41783	0.30196	0.23671	0.27701	186.54438	46.61587	209.37606	23.31805	7.76931	26.17201	9.18E-09	6.94E-06	8.68E-07	2.83E-12	8.56E-12	6.76E-12	4.9E-16	1.18E-14	6.54E-16	1.29906E-14	9.185E-09	6.9411E-06	8.67782E-07	2.89886E-12	1.98282E-15	1.44691E-12	3.29896E-16
334	570630.6	4178319	0.55, 41783	0.37105	0.29503	0.3391	205.0145	52.79857	247.59232	25.62681	8.79976	30.94904	1.12E-08	8.21E-06	1.03E-06	3.47E-12	1.05E-11	8.27E-12	6E-16	1.45E-14	8E-16	1.59024E-14	1.124E-08	8.208E-06	1.02616E-06	3.54863E-12	2.42726E-15	1.77124E-12	4.03842E-16
335	570670.6	4178319	0.55, 41783	0.462	0.37572	0.42024	218.45656	59.57781	273.51496	27.30707	11.98561	34.18937	1.39E-08	9.07E-06	1.13E-06	4.3E-12	1.3E-11	1.03E-11	7.44E-16	1.8E-14	9.92E-16	1.97077E-14	1.393E-08	9.0674E-06	1.13358E-06	4.39778E-12	3.00808E-15	2.19507E-12	5.00476E-16
336	570710.6	4178319	0.55, 41783	0.57218	0.48827	0.5224	242.44958	66.62286	291.17197	30.3062	15.15553	36.3965	1.73E-08	9.65E-06	1.21E-06	5.35E-12	1.61E-11	1.27E-11	9.25E-16	2.23E-14	1.23E-15	2.44989E-14	1.732E-08	9.6528E-06	1.20677E-06	5.46693E-12	3.73938E-15	2.72872E-12	6.22148E-16
337	570750.6	4178319	0.55, 41783	0.67767	0.63416	0.63666	262.41203	72.71034	341.04886	32.8015	17.84948	42.63111	2.11E-08	1.13E-05	1.41E-06	6.51E-12	1.97E-11	1.55E-11	1.13E-15	2.72E-14	1.5E-15	2.98577E-14	2.111E-08	1.1306E-05	1.41347E-06	6.66276E-12	4.55733E-15	3.32559E-12	7.58236E-16
338	570790.6	4178319	0.55, 41783	0.76041	0.85502	0.73352	285.66779	86.45349	381.79277	42.9347	23.67926	50.68659	2.43E-08	1.27E-05	1.68E-06	7.51E-12	2.27E-11	1.79E-11	1.3E-15	3.14E-14	1.73E-15	3.44016E-14	2.432E-08	1.2657E-05	1.68059E-06	7.67673E-12	5.25088E-15	3.8317E-12	8.73628E-16
339	570830.6	4178319	0.55, 41783	0.82107	1.23378	0.77266	302.59427	109.05103	424.78874	45.07728	29.79255	65.49858	2.56E-08	1.41E-05	2.17E-06	7.91E-12	2.39E-11	1.89E-11	1.37E-15	3.3E-14	1.82E-15	3.62411E-14	2.562E-08	1.4082E-05	2.17161E-06	8.08722E-12	5.53166E-15	4.03659E-12	9.20342E-16
340	570870.6	4178319	0.55, 41783	0.93174	1.8881	0.81484	263.71888	150.69846	583.61	37.23183	42.82711	79.94464	2.7E-08	1.93E-05	2.65E-06	8.34E-12	2.52E-11	1.99E-11	1.44E-15	3.49E-14	1.92E-15	3.82264E-14	2.703E-08	1.9347E-05	2.6504E-06	8.53024E-12	5.83468E-15	4.25771E-12	9.70759E-16
341	570910.6	4178319	0.55, 41783	1.19482	3.5981	0.94641	225.26352	195.84246	582.08496	37.31993	59.22953	72.76062	3.14E-08	1.93E-05	2.41E-06	9.69E-12	2.93E-11	2.31E-11	1.68E-15	4.05E-14	2.24E-15	4.44151E-14	3.14E-08	1.9297E-05	2.41226E-06	9.91125E-12	6.7793E-15	4.94702E-12	1.12792E-15
342	571190.6	4178319	0.55, 41783	29.13102	9.74239	24.19825	1204.46355	192.40018	1781.17361	337.10397	86.14095	400.692	8.02E-07	5.9E-05	1.33E-05	2.48E-10	7.47E-10	5.9E-10	4.28E-14	1.03E-12	5.71E-14	1.13467E-12	8.022E-07	5.9046E-05	1.32855E-05	2.53203E-10	1.73191E-13	1.26382E-10	2.8815E-14
343	571230.6	4178319	0.55, 41783	10.45163	5.25398	11.58574	479.33008	117.37647	725.29291	126.19986	44.06446	185.38424	3.84E-07	2.4E-05	6.15E-06	1.19E-10	3.58E-10	2.83E-10	2.05E-14	4.95E-13	2.73E-14	5.43266E-13	3.841E-07	2.4044E-05	6.1464E-06	1.2123E-10	8.29213E-14	6.05098E-11	1.37962E-14
344	571270.6	4178319	0.55, 41783	5.72808	3.4301	6.64009	292.22118	96.9874	479.91721	63.79547	33.00222	105.59121	2.2E-07	1.59E-05	3.5E-06	6.79E-11	2.05E-10	1.62E-10	1.18E-14	2.84E-13	1.57E-14	3.11364E-13	2.201E-07	1.591E-05	3.5008E-06	6.94811E-11	4.75251E-14	3.46802E-11	7.90709E-15
345	571310.6	4178319	0.55, 41783	3.67711	2.43151	4.23514	175.48484	83.52768	339.71763	43.52526	25.92364	69.01312	1.4E-07	1.13E-05	2.29E-06	4.33E-11	1.31E-10	1.03E-10	7.5E-15	1.81E-13	1E-14	1.98595E-13	1.404E-07	1.1262E-05	2.28809E-06	4.43166E-11	3.03126E-14	2.21198E-11	5.04332E-15
346	571350.6	4178319	0.55, 41783	2.57847	1.81872	2.91777	135.74456	73.58424	245.66728	31.86463	21.08438	47.561	9.67E-08	8.14E-06	1.58E-06	2.99E-11	9.01E-11	7.12E-11	5.17E-15	1.25E-13	6.89E-15	1.36823E-13	9.674E-08	8.1443E-06	1.57688E-06	3.0532E-11	2.08839E-14	1.52395E-11	3.47461E-15
347	571390.6	4178319	0.55, 41783	1.91038	1.41202	2.12389	114.67965	65.84745	189.40245	24.95277	17.54375	35.6451	7.04E-08	6.28E-06	1.18E-06	2.17E-11	6.56E-11	5.18E-11	3.76E-15	9.08E-14	5.01E-15	9.95963E-14	7.042E-08	6.2791E-06	1.18182E-06	2.2225E-11	1.52019E-14	1.10932E-11	2.52925E-15
348	571430.6	4178319	0.55, 41783	1.47151	1.12853	1.61377	100.57811	59.61061	161.57422	20.18585	14.84739	27.57311	5.35E-08	5.36E-06	9.14E-07	1.65E-11	4.99E-11	3.94E-11	2.86E-15	6.9E-14	3.81E-15	7.56758E-14	5.351E-08	5.3566E-06	9.14198E-07	1.68871E-11	1.15508E-14	8.42888E-12	1.92178E-15
349	571470.6	4178319	0.55, 41783	1.16585	0.92218	1.2649	90.09229	54.43044	139.38169	16.69193	12.71837	21.87498	4.19E-08	4.62E-06	7.25E-07	1.29E-11	3.91E-11	3.09E-11	2.24E-15	5.41E-14	2.99E-15	5.93164E-14	4.194E-08	4.6209E-06	7.2528E-07	1.32365E-11	9.05375E-15	6.60675E-12	1.50634E-15
350	571510.6	4178319	0.55, 41783	0.94595	0.76805	1.01773	81.52103	50.05282	121.69	14.06823	11.00608	17.76049	3.37E-08	4.03E-06	5.89E-07	1.04E-11	3.14E-11	2.48E-11	1.8E-15	4.35E-14	2.4E-15	4.77259E-14	3.374E-08	4.0344E-06	5.88866E-07	1.065E-11	7.28463E-15	5.31578E-12	1.212E-15
351	571550.6	4178319	0.55, 41783	0.78212	0.64956	0.83556	74.38547	46.28731	107.35752	12.02264	9.59923	14.66288	2.77E-08	3.56E-06	4.86E-07	8.55E-12	2.58E-11	2.04E-11	1.48E-15	3.57E-14	1.97E-15	3.91833E-14	2.77E-08	3.5592E-06	4.86166E-07	8.74378E-12	5.98074E-15	4.3643E-12	9.9506E-16
352	571590.6	4178319	0.55, 41783	0.65442	0.55508	0.69496	68.29245	42.98116	95.34122	10.3334	8.40789	12.26582	2.3E-08	3.16E-06	4.07E-07	7.11E-12	2.15E-11	1.7E-11	1.23E-15	2.97E-14	1.64E-15	3.25901E-14	2.304E-08	3.1609E-06	4.06691E-07	7.2725E-12	4.97439E-15	3.62994E-12	8.27625E-16
353	570310.6	4178359	0.55, 41783	0.11229	0.07993	0.10794	69.29068	26.58817	75.81746	11.54845	4.0095	12.46153	3.58E-09	2.51E-06	4.13E-07	1.1E-12	3.33E-12	2.63E-12	1.91E-16	4.62E-15	2.55E-16	5.06178E-15	3.579E-09	2.5135E-06	4.13189E-07	1.12954E-12	7.72604E-16	5.63789E-13	1.28544E-16
354	570350.6	4178359	0.55, 41783	0.12531	0.09043	0.1201	75.30937	28.06345	82.61098	12.55156	4.25756	13.7685	3.98E-09	2.74E-06	4.57E-07	1.23E-12	3.71E-12	2.93E-12	2.13E-16	5.14E-15	2.84E-16	5.63204E-15	3.982E-09	2.7387E-06	4.56523E-07	1.25679E-12	8.59645E-16	6.27305E-13	1.43025E-16
355	570390.6	4178359	0.55, 41783	0.14084	0.10296	0.13441	81.29058	29.71471	90.82388	13.54843	4.53386	15.13731	4.46E-09	3.01E-06	5.02E-07	1.38E-12	4.15E-12	3.28E-12	2.38E-16	5.75E-15	3.17E-16	6.30312E-15	4.456E-09	3.011E-06	5.01906E-07	1.40654E-12	9.62076E-16	7.02051E-13	1.60068E-16
356	570430.6	4178359	0.55, 41783	0.15989	0.11858	0.15186	87.11605	31.54887	98.44842	14.51934	4.83992	16.40807	5.04E-09	3.26E-06	5.44E-07	1.55E-12	4.69E-12	3.71E-12	2.69E-16	6.49E-15	3.58E-16	7.12146E-15	5.035E-09	3.2638E-06	5.44039E-07	1.58916E-12	1.08698E-15	7.93199E-13	1.80849E-16
357	570470.6	4178359	0.55, 41783	0.18374	0.13844	0.17326	97.3598	33.59814	106.34308	15.36354	5.1813	17.51553	5.74E-09	3.53E-06	5.81E-07	1.77E-12	5.35E-12	4.23E-12	3.07E-16	7.41E-15	4.09E-16	8.12505E-15	5.745E-09	3.5255E-06	5.80758E-07	1.81311E-12	1.24017E-15	9.0498E-13	2.06335E-16
358	570510.6	4178359	0.55, 41783	0.21432	0.16421	0.20002	118.04415	35.93263	125.3205	16.48105	5.5698	18.1537	6.63E-09	4.15E-06	6.02E-07	2.05E-12	6.18E-12	4.88E-12	3.54E-16	8.55E-15	4.72E-16	9.38002E-15	6.632E-09	4.1546E-06	6.01922E-07	2.09315E-12	1.43172E-15	1.04476E-12	2.38205E-16
359	570550.6	4178359	0.55, 41783	0.25472	0.19842	0.23435	139.50155	38.63371	157.96544	19.4148	6.01971	21.81117	7.77E-09	5.24E-06	7.23E-07	2.4E-12	7.24E-12	5.72E-12	4.15E-16	1E-14	5.53E-16	1.099E-14	7.77E-09	5.2368E-06	7.2319E-07	2.45242E-12	1.67746E-15	1.22408E-12	2.79091E-16
360	570590.6	4178359	0.55, 41783	0.30979	0.24497	0.28017	159.83108	41.83842	190.36526	22.23989	6.84975	26.13545	9.29E-09	6.31E-06	8.67E-07	2.87E-12	8.66E-12	6.84E-12	4.96E-16	1.2E-14	6.61E-16	1.31389E-14	9.29E-09	6.3109E-06	8.6656E-07	2.93194E-12	2.00545E-15	1.46343E-12	3.33661E-16
361	570630.6	4178359	0.55, 41783	0.38734	0.31015	0.34391	206.43147	51.05257	211.21178	25.80393	8.50876	28.98998	1.14E-08	7E-06	9.61E-07	3.52E-12	1.06E-11	8.39E-12	6.09E-16	1.47E-14	8.12E-16	1.61281E-14	1.14E-08	7.002E-06	9.61216E-07	3.599E-12	2.46172E-15	1.79638E-12	4.09574E-16
362	570670.6	4178359	0.55, 41783	0.50063	0.40488	0.43681	262.98595	60.70684	312.78941	32.87324	10.74505	39.09868	1.45E-08	1.04E-05	1.3E-06	4.47E-12	1.35E-11	1.07E-11	7.73E-16	1.87E-14	1.03E-15	2.0485E-14	1.448E-08	1.0369E-05	1.29637E-06	4.57122E-12	3.12672E-15	2.28164E-12	5.20215E-16
363	570710.6	4178359	0.55, 41783	0.66972	0.54814	0.57453	304.17814	72.14807	380.66102	38.02227	15.71205	47.58263	1.91E-08	1.26E-05	1.58E-06	5.88E-12	1.77E-11	1.4E-11	1.02E-15	2.46E-14	1.36E-15	2.69438E-14	1.905E-08	1.2619E-05	1.57765E-06	6.01251E-12	4.11256E-15	3.00104E-12	6.84236E-16
364	570750.6	4178359	0.55, 41783	0.90523	0.76876	0.77041	339.35657	85.82023	445.46467	44.72327	21.31802	55.68308	2.55E-08	1.48E-05	1.85E-06	7.88E-12	2.38E-11	1.88E-11	1.36E-15	3.29E-14	1.82E-15	3.61304E-14	2.555E-08	1.4768E-05	1.84623E-06	8.0625E-12	5.51475E-15	4.02425E-12	9.17529E-16
365	570790.6	4178359	0.55, 41783	1.13154	1.06104	0.98839	377.53193	96.31599	507.3356	54.94081	27.90141	63.41695	3.28E-08	1.68E-05	2.1E-06	1.01E-11	3.05E-11	2.41E-11	1.75E-15	4.23E-14	2.33E-15	4.63539E-14	3.277E-08	1.6819E-05	2.10269E-06	1.03439E-11	7.07522E-15	5.16297E-12	1.17716E-15
366	570830.6	4178359	0.55, 41783	1.33226	1.74963	1.18947	411.58415	139.14147	649.42864	69.46909	37.35577	97.59965	3.94E-08	2.15E-05	3.24E-06	1.22E-11	3.68E-11	2.9E-11	2.11E-15	5.09E-14	2.81E-15	5.57897E-14	3.944E-08	2.1529E-05	3.23594E-06	1.24495E-11	8.51545E-15	6.21394E-12	1.41678E-15
367	570870.6	4178359	0.55, 41783	1.45984	3.38436	1.19217	346.78431	184.49712	847.26971	52.43952	61.49528	124.03925	3.95E-08	2.81E-05	4.11E-06	1.22E-11	3.68E-11	2.91E-11	2.11E-15	5.1E-14	2.82E-15	5.59353E-14	3.955E-08	2.8088E-05	4.11222E-06	1.2482E-11	8.53768E-15	6.23016E-12	1.42048E-15
368	571150.6	4178359	0.55, 41783	17.36196	17.82412	10.70274	1537.79423	258.8776	2153.28101	350.34789	128.93656	372.67701	3.55E-07	7.14E-05	1.24E-05	1.1E-10	3.31E-10	2.61E-10	1.9E-14	4.58E-13	2.53E-14	5.02021E-13	3.549E-07	7.1382E-05	1.2357E-05	1.12026E-10	7.66259E-14	5.59159E-11	1.27488E-14
369	571190.6	4178359	0.55, 41783	10.35157	8.16971	8.42586	590.93034	162.31709	1380.32388	161.82999	76.08872	218.22557	2.79E-07	4.58E-05	7.24E-06	8.62E-11	2.6E-10	2.06E-10	1.49E-14	3.6E-13	1.99E-14	3.9515E-13	2.794E-07	4.5758E-05	7.23538E-06	8.81779E-11	6.03137E-14	4.40124E-11	1.00348E-14
370	571230.6	4178359	0.55, 41783	6.41954	4.85697	6.11014	429.96716	118.18476	649.38165	103.83364	47.29307	136.54892	2.03E-07	2.15E-05	4.53E-06	6.25E-11	1.89E-10	1.49E-10	1.08E-14	2.61E-13	1.44E-14	2.86535E-13	2.026E-07	2.1528E-05	4.52737E-06	6.39405E-11	4.37353E-14	3.19147E-11	7.27656E-15
371	571270.6	4178359	0.55, 41783	4.24607	3.28764	4.46672	330.34534	97.41521	669.03521	71.25122	30.79427	101.30501	1.48E-07	2.22E-05	3.36E-06	4.57E-11	1.38E-10	1.09E-10	7.91E-15	1.91E-13	1.05E-14	2.09463E-13	1.481E-07	2.2179E-05	3.35878E-06	4.67418E-11	3.19714E-14	2.33303E-11	5.31932E-15
372	571310.6	4178359	0.55, 41783	3.01802	2.39332	3.29044	280.32399	84.30249	476.5001	47.38187	23.6076	69.83839	1.09E-07	1.58E-05	2.32E-06	3.37E-11	1.02E-10	8.03E-11	5.83E-15	1.41E-13	7.77E-15	1.54302E-13	1.091E-07	1.5796E-05	2.31549E-06	3.44326E-11	2.35519E-14	1.71864E-11	3.9185E-15
373	571350.6	4178359	0.55, 41783	2.25439	1.82521	2.47896	223.1696	75.03337	276.07803	32.74083	19.24184	47.29925	8.22E-08	9.15E-06	1.57E-06	2.54E-11	7.66E-11	6.05E-11	4.39E-15	1.06E-13	5.85E-15	1.16249E-13	8.219E-08	9.1525E-06	1.56821E-06	2.5941E-11	1.77436E-14	1.2948E-11	2.95214E-15
374	571390.6	4178359	0.55, 41783	1.7395	1.43625	1.90839	164.0034	68.00709	177.73654	25.39154	16.17569	38.72375	6.33E-08	5.89E-06	1.28E-06	1.95E-11	5.9E-11	4.66E-11	3.38E-15	8.16E-14	4.5E-15	8.94928E-14	6.327E-08	5.8925E-06	1.28388E-06	1.99703E-11	1.36597E-14	9.96784E-12	2.27267E-15
375	571430.6	4178359	0.55, 41783	1.37666	1.15767	1.50113	113.66708	62.41604	162.05892	21.33563	13.79366	30.03325	4.98E-08	5.37E-06	9.96E-07	1.54E-11	4.64E-11	3.66E-11	2.66E-15	6.42E-14	3.54E-15	7.03949E-14	4.977E-08	5.3727E-06	9.95759E-07	1.57086E-11	1.07447E-14	7.84069E-12	1.78768E-15
376	571470.6	4178359	0.55, 41783	1.11313	0.95193	1.20554	91.64258	57.80687	139.39839	17.74486	11.89568	22.85385	4E-08	4.62E-06	7.58E-07	1.23E-11	3.72E-11	2.94E-11	2.13E-15	5.16E-14	2.85E-15	5.65336E-14	3.997E-08	4.6214E-06	7.57738E-07	1.26155E-11	8.629E-15	6.29679E-12	1.43567E-15
377	571510.6	4178359	0.55, 41783	0.9166	0.79605	0.98663	82.11168	53.90312	116.32041	14.64829	10.35284	20.08654	3.27E-08	3.86E-06	6.66E-07	1.01E-11	3.05E-11	2.41E-11	1.75E-15	4.22E-14	2.33E-15	4.62681E-14	3.271E-08	3.8564E-06	6.65977E-07	1.03247E-11	7.06212E-15	5.1534E-12	1.17498E-15
378	571550.6	4178359	0.55, 41783	0.76622	0.67498	0.82026	72.9064	50.52239	102.58687	12.13868	9.07968	17.28494	2.72E-08	3.4E-06	5.73E-07	8.39E-12	2.53E-11	2E-11	1.45E-15	3.51E-14	1.94E-15	3.84663E-14	2.72E-08	3.4011E-06	5.73085E-07	8.58376E-12	5.87129E-15	4.28443E-12	9.7685E-16
379	571590.6	4178359	0.55, 41783	0.64386	0.57575	0.68602	65.94968	47.48497	92.44417	10.99161	8.00686	15.40694	2.27E-08	3.06E-06	5.11E-07	7.02E-12	2.12E-11	1.67E-11	1.21E-15	2.93E-14	1.62E-15	3.21712E-14	2.275E-08	3.0648E-06	5.10821E-07	7.17901E-12	4.91045E-15	3.58328E-12	8.16987E-16
380	570310.6	4178399	0.55, 41783	0.11287	0.08031	0.1093	71.34246	27.87564	79.43468	11.89041	3.82503	13.23911	3.62E-09	2.63E-06	4.39E-07	1.12E-12	3.38E-12	2.67E-12	1.94E-16	4.67E-15	2.58E-16	5.12555E-15	3.624E-09	2.6335E-06	4.38968E-07	1.14377E-12	7.82338E-16	5.70891E-13	1.30163E-16
381	570350.6	4178399	0.55, 41783	0.12665	0.09175	0.12214	75.96419	29.57043	83.22909	12.46202	4.12173	13.80548	4.05E-09	2.76E-06	4.58E-07	1.25E-12	3.77E-12	2.98E-12	2.16E-16	5.22E-15	2.88E-16	5.7277E-15	4.05E-09	2.7593E-06	4.57748E-07	1.27814E-12	8.74246E-16	6.37959E-13	1.45455E-16
382	570390.6	4178399	0.55, 41783	0.1425	0.10434	0.13672	83.29233	31.439	92.96873	13.04897	4.44958	14.404	4.53E-09	3.08E-06	4.78E-07	1.4E-12	4.22E-12	3.34E-12	2.42E-16	5.85E-15	3.23E-16	6.41144E-15	4.533E-09	3.0821E-06	4.77593E-07	1.43072E-12	9.78609E-16	7.14116E-13	1.62818E-16
383	570430.6	4178399	0.55, 41783	0.16211	0.12032	0.15453	91.32735	33.521	103.76057	14.59534	4.81492	15.65812	5.12E-09	3.44E-06	5.19E-07	1.58E-12	4.77E-12	3.77E-12	2.74E-16	6.61E-15	3.65E-16	7.24666E-15	5.124E-09	3.4399E-06	5.1918E-07	1.6171E-12	1.10609E-15	8.07144E-13	1.84029E-16
384	570470.6	4178399	0.55, 41783	0.18668	0.14051	0.17655	100.43451	35.89015	115.76296	16.57018	5.22899	18.35818	5.85E-09	3.84E-06	6.09E-07	1.81E-12	5.45E-12	4.31E-12	3.13E-16	7.55E-15	4.17E-16	8.27933E-15	5.854E-09	3.8378E-06	6.08702E-07	1.84753E-12	1.26371E-15	9.22163E-13	2.10253E-16
385	570510.6	4178399	0.55, 41783	0.21834	0.16684	0.20421	112.76596	38.62084	128.93338	18.79433	5.70408	21.48886	6.77E-09	4.27E-06	7.12E-07	2.09E-12	6.31E-12	4.98E-12	3.62E-16	8.73E-15	4.82E-16	9.5765E-15	6.771E-09	4.2744E-06	7.125E-07	2.137E-12	1.46171E-15	1.06664E-12	2.43195E-16
386	570550.6	4178399	0.55, 41783	0.26039	0.20212	0.2399	127.75395	41.82578	149.79254	21.29232	6.25899	24.96542	7.95E-09	4.97E-06	8.28E-07	2.45E-12	7.41E-12	5.85E-12	4.25E-16	1.03E-14	5.66E-16	1.12503E-14	7.954E-09	4.9659E-06	8.27766E-07	2.5105E-12	1.71718E-15	1.25307E-12	2.857E-16
387	570590.6	4178399	0.55, 41783	0.3185	0.25095	0.28739	144.10526	45.67081	172.10131	24.01754	7.17597	28.68355	9.53E-09	5.71E-06	9.51E-07	2.94E-12	8.88E-12	7.01E-12	5.09E-16	1.23E-14	6.78E-16	1.34775E-14	9.529E-09	5.7054E-06	9.51042E-07	3.0075E-12	2.05713E-15	1.50114E-12	3.4226E-16
388	570630.6	4178399	0.55, 41783	0.40291	0.32135	0.35272	177.65061	50.39519	203.06539	27.05917	8.74903	32.05961	1.17E-08	6.73E-06	1.06E-06	3.61E-12	1.09E-11	8.61E-12	6.24E-16	1.51E-14	8.33E-16	1.65413E-14	1.17E-08	6.7319E-06	1.06298E-06	3.69121E-12	2.52478E-15	1.8424E-12	4.20067E-16
389	570670.6	4178399	0.55, 41783	0.53348	0.4284	0.44753	224.79663	56.41372	278.51402	32.60934	10.76331	39.25369	1.48E-08	9.23E-06	1.3E-06	4.58E-12	1.38E-11	1.09E-11	7.92E-16	1.91E-14	1.06E-15	2.09879E-14	1.484E-08	9.2331E-06	1.30151E-06	4.68345E-12	3.20348E-15	2.33766E-12	5.32986E-16
390	570710.6	4178399	0.55, 41783	0.75271	0.60288	0.59636	297.96202	70.92072	361.49768	41.13122	14.0152	50.83456	1.98E-08	1.2E-05	1.69E-06	6.1E-12	1.84E-11	1.46E-11	1.06E-15	2.55E-14	1.41E-15	2.7968E-14	1.977E-08	1.1984E-05	1.68548E-06	6.24107E-12	4.26889E-15	3.11512E-12	7.10246E-16
391	570750.6	4178399	0.55, 41783	1.15447	0.90762	0.85203	416.42427	90.04322	551.74774	52.05303	22.1169	68.96847	2.83E-08	1.83E-05	2.29E-06	8.72E-12	2.63E-11	2.08E-11	1.51E-15	3.64E-14	2.01E-15	3.9959E-14	2.825E-08	1.8291E-05	2.28669E-06	8.91686E-12	6.09913E-15	4.45069E-12	1.01476E-15
392	570790.6	4178399	0.55, 41783	1.70092	1.35462	1.23288	632.44551	121.09647	736.15706	79.05569	31.00919	92.01963	4.09E-08	2.44E-05	3.05E-06	1.26E-11	3.81E-11	3.01E-11	2.18E-15	5.27E-14	2.91E-15	5.78208E-14	4.088E-08	2.4404E-05	3.05106E-06	1.29027E-11	8.82547E-15	6.44017E-12	1.46836E-15
393	570830.6	4178399	0.55, 41783	3.46088	2.976	2.05541	854.46592	185.76652	929.26678	157.19416	64.23703	133.05669	6.82E-08	3.08E-05	4.41E-06	2.1E-11	6.35E-11	5.02E-11	3.64E-15	8.79E-14	4.85E-15	9.64058E-14	6.816E-08	3.0806E-05	4.41209E-06	2.1513E-11	1.47149E-14	1.07378E-11	2.44822E-15
394	571110.6	4178399	0.55, 41783	4.7766	17.70794	5.53677	386.44752	237.89657	1139.86397	91.74551	117.26543	182.49582	1.84E-07	3.78E-05	6.05E-06	5.67E-11	1.71E-10	1.35E-10	9.81E-15	2.37E-13	1.31E-14	2.598E-13	1.837E-07	3.7787E-05	6.05034E-06	5.79744E-11	3.96545E-14	2.89369E-11	6.59761E-15
395	571150.6	4178399	0.55, 41783	4.75682	9.04164	4.75414	493.27775	194.83019	977.82769	91.47407	80.27894	179.74579	1.58E-07	3.24E-05	5.96E-06	4.87E-11	1.47E-10	1.16E-10	8.42E-15	2.03E-13	1.12E-14	2.23006E-13	1.577E-07	3.2416E-05	5.95918E-06	4.97639E-11	3.40385E-14	2.48388E-11	5.66324E-15
396	571190.6	4178399	0.55, 41783	4.13591	5.67532	3.9763	541.83424	159.29594	784.3481	82.25115	55.55038	130.43816	1.32E-07	2.6E-05	4.32E-06	4.07E-11	1.23E-10	9.7E-11	7.04E-15	1.7E-13	9.39E-15	1.86498E-13	1.319E-07	2.6002E-05	4.32461E-06	4.16171E-11	2.84661E-14	2.07724E-11	4.73611E-15
397	571230.6	4178399	0.55, 41783	3.34043	3.91116	3.41587	419.25179	113.41297	723.05548	67.92735	42.50701	103.29364	1.13E-07	2.4E-05	3.42E-06	3.5E-11	1.06E-10	8.34E-11	6.05E-15	1.46E-13	8.06E-15	1.60201E-13	1.133E-07	2.397E-05	3.42467E-06	3.57489E-11	2.44522E-14	1.78434E-11	4.0683E-15
398	571270.6	4178399	0.55, 41783	2.69096	2.84934	2.72459	276.99568	96.24025	620.23738	46.4546	32.10306	94.16047	9.03E-08	2.06E-05	3.12E-06	2.79E-11	8.42E-11	6.65E-11	4.82E-15	1.17E-13	6.43E-15	1.27777E-13	9.034E-08	2.0561E-05	3.12172E-06	2.85136E-11	1.95033E-14	1.4232E-11	3.24491E-15
399	571310.6	4178399	0.55, 41783	2.15304	2.16763	2.23142	240.01182	84.08056	257.12386	39.08125	24.00367	52.53394	7.4E-08	8.52E-06	1.74E-06	2.28E-11	6.89E-11	5.45E-11	3.95E-15	9.54E-14	5.27E-15	1.04647E-13	7.399E-08	8.5242E-06	1.74179E-06	2.3352E-11	1.59728E-14	1.16557E-11	2.6575E-15
400	571350.6	4178399	0.55, 41783	1.74135	1.70512	1.85867	224.12525	73.73672	326.22415	31.06226	18.34101	44.13622	6.16E-08	1.08E-05	1.46E-06	1.9E-11	5.74E-11	4.54E-11	3.29E-15	7.95E-14	4.39E-15	8.71648E-14	6.163E-08	1.0815E-05	1.46334E-06	1.94509E-11	1.33044E-14	9.70854E-12	2.21355E-15
401	571390.6	4178399	0.55, 41783	1.43215	1.37481	1.54866	207.21833	64.01827	312.56807	26.21992	15.02288	39.07101	5.13E-08	1.04E-05	1.3E-06	1.58E-11	4.78E-11	3.78E-11	2.74E-15	6.62E-14	3.66E-15	7.26259E-14	5.135E-08	1.0362E-05	1.29539E-06	1.62065E-11	1.10852E-14	8.08918E-12	1.84433E-15
402	571430.6	4178399	0.55, 41783	1.19016	1.12906	1.29293	179.9524	59.14274	244.73255	22.49405	12.88734	30.59157	4.29E-08	8.11E-06	1.01E-06	1.32E-11	3.99E-11	3.16E-11	2.29E-15	5.53E-14	3.05E-15	6.0633E-14	4.287E-08	8.1132E-06	1.01428E-06	1.35303E-11	9.2547E-15	6.75339E-12	1.53977E-15
403	571470.6	4178399	0.55, 41783	0.9966	0.93995	1.08271	146.8642	55.47011	170.50633	18.35802	11.23121	21.31329	3.59E-08	5.65E-06	7.07E-07	1.11E-11	3.34E-11	2.64E-11	1.92E-15	4.63E-14	2.56E-15	5.07745E-14	3.59E-08	5.6527E-06	7.06676E-07	1.13303E-11	7.74995E-15	5.65534E-12	1.28942E-15
404	571510.6	4178399	0.55, 41783	0.8441	0.79417	0.91453	113.63796	52.27286	111.23462	14.20474	9.85599	18.36688	3.03E-08	3.69E-06	6.09E-07	9.36E-12	2.83E-11	2.23E-11	1.62E-15	3.91E-14	2.16E-15	4.28876E-14	3.032E-08	3.6878E-06	6.08968E-07	9.57037E-12	6.54614E-15	4.77688E-12	1.08913E-15
405	571550.6	4178399	0.55, 41783	0.71988	0.67749	0.77601	84.04695	49.45688	81.90115	12.59546	8.65245	16.41022	2.57E-08	2.72E-06	5.44E-07	7.94E-12	2.4E-11	1.89E-11	1.37E-15	3.32E-14	1.83E-15	3.63916E-14	2.573E-08	2.7154E-06	5.44093E-07	8.1208E-12	5.55463E-15	4.05335E-12	9.24164E-16
406	571590.6	4178399	0.55, 41783	0.61846	0.58359	0.66441	61.25343	46.95039	82.40366	11.31778	7.65227	14.12983	2.2E-08	2.73E-06	4.68E-07	6.8E-12	2.05E-11	1.62E-11	1.18E-15	2.84E-14	1.57E-15	3.11581E-14	2.203E-08	2.732E-06	4.68489E-07	6.95294E-12	4.75581E-15	3.47043E-12	7.91259E-16
407	570310.6	4178439	0.55, 41784	0.11265	0.08111	0.10949	78.47962	27.91467	88.7071	13.07994	3.48933	14.78452	3.63E-09	2.94E-06	4.9E-07	1.12E-12	3.38E-12	2.67E-12	1.94E-16	4.68E-15	2.58E-16	5.13447E-15	3.63E-09	2.9408E-06	4.90207E-07	1.14576E-12	7.83699E-16	5.71885E-13	1.3039E-16
408	570350.6	4178439	0.55, 41784	0.12585	0.09139	0.12175	84.54471	29.62734	96.42477	14.09078	3.70342	16.0708	4.04E-09	3.2E-06	5.33E-07	1.25E-12	3.76E-12	2.97E-12	2.16E-16	5.21E-15	2.87E-16	5.70941E-15	4.037E-09	3.1967E-06	5.32855E-07	1.27406E-12	8.71455E-16	6.35922E-13	1.4499E-16
409	570390.6	4178439	0.55, 41784	0.14252	0.10489	0.13706	91.50908	31.67143	105.54781	15.25151	4.06451	17.5913	4.54E-09	3.5E-06	5.83E-07	1.4E-12	4.23E-12	3.34E-12	2.43E-16	5.86E-15	3.24E-16	6.42739E-15	4.544E-09	3.4991E-06	5.83268E-07	1.43427E-12	9.81043E-16	7.15892E-13	1.63223E-16
410	570430.6	4178439	0.55, 41784	0.16313	0.12204	0.15568	99.54775	33.93845	116.15512	16.59129	4.47421	19.35919	5.16E-09	3.85E-06	6.42E-07	1.59E-12	4.81E-12	3.8E-12	2.76E-16	6.66E-15	3.67E-16	7.3006E-15	5.162E-09	3.8508E-06	6.41884E-07	1.62913E-12	1.11433E-15	8.13152E-13	1.85399E-16
411	570470.6	4178439	0.55, 41784	0.18858	0.14267	0.1783	108.92524	36.54882	128.38607	18.15421	4.93599	21.39768	5.91E-09	4.26E-06	7.09E-07	1.82E-12	5.51E-12	4.35E-12	3.16E-16	7.62E-15	4.21E-16	8.3614E-15	5.912E-09	4.2562E-06	7.09472E-07	1.86585E-12	1.27624E-15	9.31305E-13	2.12338E-16
412	570510.6	4178439	0.55, 41784	0.22167	0.16966	0.20722	120.34611	39.98702	143.34164	20.05769	5.68986	23.89027	6.87E-09	4.75E-06	7.92E-07	2.12E-12	6.4E-12	5.06E-12	3.67E-16	8.86E-15	4.89E-16	9.71766E-15	6.871E-09	4.752E-06	7.92115E-07	2.1685E-12	1.48325E-15	1.08237E-12	2.4678E-16
413	570550.6	4178439	0.55, 41784	0.2658	0.20594	0.24496	134.27176	44.20292	161.13607	22.37863	6.83821	26.85601	8.12E-09	5.34E-06	8.9E-07	2.51E-12	7.57E-12	5.98E-12	4.34E-16	1.05E-14	5.78E-16	1.14876E-14	8.122E-09	5.3419E-06	8.90447E-07	2.56345E-12	1.7534E-15	1.2795E-12	2.91726E-16
414	570590.6	4178439	0.55, 41784	0.3272	0.25654	0.29583	151.91315	49.32778	182.29969	25.31886	8.30482	30.38328	9.81E-09	6.04E-06	1.01E-06	3.03E-12	9.14E-12	7.22E-12	5.24E-16	1.27E-14	6.98E-16	1.38732E-14	9.809E-09	6.0436E-06	1.0074E-06	3.09582E-12	2.11754E-15	1.54522E-12	3.5231E-16
415	570630.6	4178439	0.55, 41784	0.41735	0.33056	0.3671	175.42083	55.6235	213.97884	29.2368	10.21264	34.63299	1.22E-08	7.09E-06	1.15E-06	3.76E-12	1.13E-11	8.96E-12	6.5E-16	1.57E-14	8.67E-16	1.72157E-14	1.217E-08	7.0937E-06	1.14831E-06	3.84168E-12	2.62771E-15	1.91751E-12	4.37191E-16
416	570670.6	4178439	0.55, 41784	0.56024	0.44648	0.47194	208.37177	63.80907	268.23017	34.72863	12.75328	41.38807	1.56E-08	8.89E-06	1.37E-06	4.83E-12	1.46E-11	1.15E-11	8.36E-16	2.02E-14	1.11E-15	2.21326E-14	1.565E-08	8.8922E-06	1.37228E-06	4.93889E-12	3.3782E-15	2.46516E-12	5.62056E-16
417	570710.6	4178439	0.55, 41784	0.81434	0.64609	0.63688	258.28683	75.2647	339.8113	43.04781	16.40047	56.02404	2.11E-08	1.13E-05	1.86E-06	6.52E-12	1.97E-11	1.55E-11	1.13E-15	2.72E-14	1.5E-15	2.98683E-14	2.112E-08	1.1265E-05	1.85752E-06	6.66513E-12	4.55895E-15	3.32678E-12	7.58505E-16
418	570750.6	4178439	0.55, 41784	1.35572	1.03003	0.91926	343.9155	93.10334	457.76974	57.16649	22.25077	76.29496	3.05E-08	1.52E-05	2.53E-06	9.41E-12	2.84E-11	2.24E-11	1.63E-15	3.93E-14	2.17E-15	4.31127E-14	3.048E-08	1.5176E-05	2.5296E-06	9.62062E-12	6.5805E-15	4.80196E-12	1.09485E-15
419	570790.6	4178439	0.55, 41784	3.18264	2.0617	1.49283	571.47263	129.70009	738.76969	95.66015	38.79176	110.20608	4.95E-08	2.45E-05	3.65E-06	1.53E-11	4.61E-11	3.64E-11	2.64E-15	6.39E-14	3.52E-15	7.00186E-14	4.951E-08	2.4491E-05	3.65406E-06	1.56247E-11	1.06873E-14	7.79877E-12	1.77812E-15
420	571070.6	4178439	0.55, 41784	4.74443	12.25677	5.33303	251.71558	235.3671	557.08631	48.15254	87.29167	78.37734	1.77E-07	1.85E-05	2.6E-06	5.46E-11	1.65E-10	1.3E-10	9.45E-15	2.28E-13	1.26E-14	2.50184E-13	1.769E-07	1.8469E-05	2.59855E-06	5.58287E-11	3.81868E-14	2.78659E-11	6.35343E-15
421	571110.6	4178439	0.55, 41784	3.89854	10.39914	4.234	292.37938	213.76959	730.76501	54.55193	96.69541	95.26587	1.4E-07	2.42E-05	3.16E-06	4.33E-11	1.31E-10	1.03E-10	7.5E-15	1.81E-13	1E-14	1.98634E-13	1.404E-07	2.4226E-05	3.15844E-06	4.43253E-11	3.03185E-14	2.21242E-11	5.04431E-15
422	571150.6	4178439	0.55, 41784	3.24566	6.14355	3.38328	299.25996	151.74182	537.6659	53.26943	58.88405	104.89405	1.12E-07	1.78E-05	3.48E-06	3.46E-11	1.05E-10	8.26E-11	5.99E-15	1.45E-13	7.99E-15	1.58699E-13	1.122E-07	1.7824E-05	3.47759E-06	3.54137E-11	2.42229E-14	1.76761E-11	4.03015E-15
423	571190.6	4178439	0.55, 41784	2.68652	4.20662	2.81661	319.22111	114.25705	663.08885	45.60302	42.68486	97.00809	9.34E-08	2.2E-05	3.22E-06	2.88E-11	8.7E-11	6.87E-11	4.99E-15	1.2E-13	6.65E-15	1.32108E-13	9.34E-08	2.1982E-05	3.21611E-06	2.94798E-11	2.01642E-14	1.47143E-11	3.35487E-15
424	571230.6	4178439	0.55, 41784	2.2851	3.10379	2.38014	355.31137	114.374	594.35462	48.25343	33.87475	78.4876	7.89E-08	1.97E-05	2.6E-06	2.44E-11	7.35E-11	5.81E-11	4.21E-15	1.02E-13	5.62E-15	1.11631E-13	7.893E-08	1.9703E-05	2.60221E-06	2.49104E-11	1.70387E-14	1.24336E-11	2.83485E-15
425	571270.6	4178439	0.55, 41784	1.91581	2.39067	2.08735	281.61312	92.35093	457.23387	43.32371	28.45229	65.31912	6.92E-08	1.52E-05	2.17E-06	2.14E-11	6.45E-11	5.09E-11	3.7E-15	8.93E-14	4.93E-15	9.78945E-14	6.921E-08	1.5158E-05	2.16564E-06	2.18452E-11	1.49421E-14	1.09036E-11	2.48603E-15
426	571310.6	4178439	0.55, 41784	1.62017	1.88774	1.73959	249.98498	75.512	443.82502	38.72011	23.46838	65.04063	5.77E-08	1.47E-05	2.16E-06	1.78E-11	5.37E-11	4.25E-11	3.08E-15	7.44E-14	4.11E-15	8.15837E-14	5.768E-08	1.4713E-05	2.15637E-06	1.82054E-11	1.24525E-14	9.08692E-12	2.07182E-15
427	571350.6	4178439	0.55, 41784	1.36969	1.52492	1.4607	207.90528	71.02603	289.54604	31.99215	18.96422	43.80183	4.84E-08	9.6E-06	1.45E-06	1.49E-11	4.51E-11	3.56E-11	2.59E-15	6.25E-14	3.45E-15	6.85036E-14	4.843E-08	9.5989E-06	1.45227E-06	1.52866E-11	1.0456E-14	7.63003E-12	1.73965E-15
428	571390.6	4178439	0.55, 41784	1.16602	1.25794	1.25769	137.82846	66.02867	157.99714	21.56098	15.29437	27.7078	4.17E-08	5.24E-06	9.19E-07	1.29E-11	3.89E-11	3.07E-11	2.23E-15	5.38E-14	2.97E-15	5.89822E-14	4.17E-08	5.2381E-06	9.18675E-07	1.31619E-11	9.00274E-15	6.56953E-12	1.49785E-15
429	571430.6	4178439	0.55, 41784	1.00225	1.05165	1.08939	150.81052	60.59063	188.78292	19.07395	12.70811	25.02004	3.61E-08	6.26E-06	8.3E-07	1.11E-11	3.37E-11	2.66E-11	1.93E-15	4.66E-14	2.57E-15	5.1089E-14	3.612E-08	6.2586E-06	8.29557E-07	1.14005E-11	7.79796E-15	5.69036E-12	1.2974E-15
430	571470.6	4178439	0.55, 41784	0.86528	0.88825	0.94207	153.64691	54.59461	206.40776	19.20586	10.6849	25.80097	3.12E-08	6.84E-06	8.55E-07	9.64E-12	2.91E-11	2.3E-11	1.67E-15	4.03E-14	2.22E-15	4.41799E-14	3.124E-08	6.8427E-06	8.55445E-07	9.85875E-12	6.74339E-15	4.92082E-12	1.12195E-15
431	571510.6	4178439	0.55, 41784	0.75493	0.76151	0.82291	144.52703	49.13224	189.90829	18.06588	9.74189	23.73854	2.73E-08	6.3E-06	7.87E-07	8.42E-12	2.54E-11	2.01E-11	1.46E-15	3.52E-14	1.94E-15	3.85915E-14	2.729E-08	6.2958E-06	7.87067E-07	8.61171E-12	5.89041E-15	4.29838E-12	9.8003E-16
432	571550.6	4178439	0.55, 41784	0.65913	0.65716	0.71761	127.58758	46.59598	156.05984	15.94845	8.8858	19.50748	2.38E-08	5.17E-06	6.47E-07	7.34E-12	2.22E-11	1.75E-11	1.27E-15	3.07E-14	1.69E-15	3.36532E-14	2.379E-08	5.1737E-06	6.46794E-07	7.50973E-12	5.13666E-15	3.74835E-12	8.54623E-16
433	571590.6	4178439	0.55, 41784	0.57626	0.57045	0.62441	106.82976	44.35137	118.44703	13.35372	8.08009	14.80588	2.07E-08	3.93E-06	4.91E-07	6.39E-12	1.93E-11	1.52E-11	1.11E-15	2.67E-14	1.47E-15	2.92825E-14	2.07E-08	3.9268E-06	4.90918E-07	6.5344E-12	4.46953E-15	3.26153E-12	7.43628E-16
434	570310.6	4178479	0.55, 41784	0.1113	0.08183	0.10709	74.58423	29.47815	84.27127	11.80727	4.00274	12.56763	3.55E-09	2.79E-06	4.17E-07	1.1E-12	3.31E-12	2.61E-12	1.9E-16	4.58E-15	2.53E-16	5.02195E-15	3.551E-09	2.7938E-06	4.16709E-07	1.12065E-12	7.66525E-16	5.59352E-13	1.27532E-16
435	570350.6	4178479	0.55, 41784	0.12561	0.09388	0.12027	80.0812	31.76761	91.05741	12.83362	4.33491	13.82729	3.99E-09	3.02E-06	4.58E-07	1.23E-12	3.72E-12	2.93E-12	2.13E-16	5.14E-15	2.84E-16	5.64005E-15	3.988E-09	3.0188E-06	4.58474E-07	1.25858E-12	8.60868E-16	6.28197E-13	1.43229E-16
436	570390.6	4178479	0.55, 41784	0.14146	0.10678	0.13471	86.10528	34.01158	98.86723	14.01299	4.67053	15.28263	4.47E-09	3.28E-06	5.07E-07	1.38E-12	4.16E-12	3.29E-12	2.38E-16	5.76E-15	3.18E-16	6.31723E-15	4.466E-09	3.2777E-06	5.06728E-07	1.40969E-12	9.64229E-16	7.03622E-13	1.60426E-16
437	570430.6	4178479	0.55, 41784	0.16075	0.12266	0.15218	93.00088	36.36689	108.11431	15.32204	5.02469	17.00047	5.05E-09	3.58E-06	5.64E-07	1.56E-12	4.7E-12	3.71E-12	2.69E-16	6.51E-15	3.59E-16	7.13651E-15	5.046E-09	3.5842E-06	5.63684E-07	1.59251E-12	1.08928E-15	7.94875E-13	1.81231E-16
438	570470.6	4178479	0.55, 41784	0.18644	0.14379	0.17515	101.96042	39.51551	120.09702	16.93263	5.48718	19.18544	5.81E-09	3.98E-06	6.36E-07	1.79E-12	5.41E-12	4.27E-12	3.1E-16	7.49E-15	4.13E-16	8.21373E-15	5.807E-09	3.9815E-06	6.36127E-07	1.8329E-12	1.2537E-15	9.14857E-13	2.08587E-16
439	570510.6	4178479	0.55, 41784	0.22079	0.17209	0.20548	113.44919	43.50567	135.70428	18.9082	6.17272	22.02345	6.81E-09	4.5E-06	7.3E-07	2.1E-12	6.35E-12	5.01E-12	3.64E-16	8.79E-15	4.85E-16	9.6361E-15	6.813E-09	4.4989E-06	7.30222E-07	2.1503E-12	1.47081E-15	1.07328E-12	2.44709E-16
440	570550.6	4178479	0.55, 41784	0.2667	0.21004	0.24533	127.7059	48.20733	155.63974	21.28432	7.34053	25.62853	8.13E-09	5.16E-06	8.5E-07	2.51E-12	7.58E-12	5.99E-12	4.34E-16	1.05E-14	5.79E-16	1.1505E-14	8.134E-09	5.1598E-06	8.49747E-07	2.56733E-12	1.75606E-15	1.28144E-12	2.92168E-16
441	570590.6	4178479	0.55, 41784	0.32931	0.26248	0.29831	144.67878	53.44745	182.17951	24.11313	8.81975	30.24215	9.89E-09	6.04E-06	1E-06	3.05E-12	9.22E-12	7.28E-12	5.28E-16	1.28E-14	7.04E-16	1.39896E-14	9.891E-09	6.0396E-06	1.00271E-06	3.12178E-12	2.1353E-15	1.55818E-12	3.55265E-16
442	570630.6	4178479	0.55, 41784	0.42133	0.33962	0.37314	165.95931	60.05375	219.0797	27.65989	10.77683	36.51328	1.24E-08	7.26E-06	1.21E-06	3.82E-12	1.15E-11	9.11E-12	6.61E-16	1.6E-14	8.81E-16	1.7499E-14	1.237E-08	7.2629E-06	1.21062E-06	3.9049E-12	2.67095E-15	1.94906E-12	4.44386E-16
443	570670.6	4178479	0.55, 41784	0.56746	0.46145	0.48445	193.36004	69.0612	272.47405	32.22667	13.5092	45.41234	1.61E-08	9.03E-06	1.51E-06	4.96E-12	1.5E-11	1.18E-11	8.58E-16	2.07E-14	1.14E-15	2.27193E-14	1.606E-08	9.0329E-06	1.50566E-06	5.06981E-12	3.46775E-15	2.53051E-12	5.76955E-16
444	570710.6	4178479	0.55, 41784	0.83023	0.67528	0.66195	236.53606	81.84268	352.22256	39.07222	17.68943	58.70376	2.19E-08	1.17E-05	1.95E-06	6.77E-12	2.05E-11	1.62E-11	1.17E-15	2.83E-14	1.56E-15	3.10441E-14	2.195E-08	1.1677E-05	1.94631E-06	6.9275E-12	4.73841E-15	3.45774E-12	7.88364E-16
445	570750.6	4178479	0.55, 41784	1.42426	1.12918	0.97629	342.05314	102.90165	482.1747	49.67165	25.1054	80.36245	3.24E-08	1.6E-05	2.66E-06	9.99E-12	3.02E-11	2.38E-11	1.73E-15	4.18E-14	2.3E-15	4.57878E-14	3.237E-08	1.5985E-05	2.66437E-06	1.02176E-11	6.98881E-15	5.09991E-12	1.16278E-15
446	570790.6	4178479	0.55, 41784	3.63047	2.75084	1.62936	596.75244	187.47347	722.34167	107.7468	51.23422	120.39028	5.4E-08	2.39E-05	3.99E-06	1.67E-11	5.03E-11	3.98E-11	2.89E-15	6.97E-14	3.85E-15	7.64283E-14	5.404E-08	2.3947E-05	3.99177E-06	1.7055E-11	1.16656E-14	8.51269E-12	1.94089E-15
447	571030.6	4178479	0.55, 41784	9.40071	15.68167	11.18665	333.68631	267.08575	756.18793	81.11776	110.69164	178.64972	3.71E-07	2.51E-05	5.92E-06	1.14E-10	3.46E-10	2.73E-10	1.98E-14	4.78E-13	2.64E-14	5.24674E-13	3.71E-07	2.5069E-05	5.92275E-06	1.17081E-10	8.00835E-14	5.8439E-11	1.33241E-14
448	571070.6	4178479	0.55, 41784	5.59712	9.0131	6.53916	216.22006	204.77785	522.16381	54.58514	76.29745	101.00005	2.17E-07	1.73E-05	3.35E-06	6.69E-11	2.02E-10	1.6E-10	1.16E-14	2.8E-13	1.54E-14	3.06697E-13	2.168E-07	1.7311E-05	3.34852E-06	6.84395E-11	4.68126E-14	3.41603E-11	7.78856E-15
449	571110.6	4178479	0.55, 41784	3.86033	5.8724	4.45436	232.77263	158.88759	526.3096	40.87392	60.11848	68.10823	1.48E-07	1.74E-05	2.26E-06	4.56E-11	1.38E-10	1.09E-10	7.89E-15	1.91E-13	1.05E-14	2.08913E-13	1.477E-07	1.7448E-05	2.25807E-06	4.66191E-11	3.18875E-14	2.32691E-11	5.30535E-15
450	571150.6	4178479	0.55, 41784	2.87873	4.17215	3.24074	243.47288	131.88403	510.79766	36.94401	47.80365	68.59206	1.07E-07	1.69E-05	2.27E-06	3.32E-11	1E-10	7.91E-11	5.74E-15	1.39E-13	7.65E-15	1.51992E-13	1.075E-07	1.6934E-05	2.27408E-06	3.39172E-11	2.31993E-14	1.69291E-11	3.85984E-15
451	571190.6	4178479	0.55, 41784	2.25924	3.11768	2.54212	272.99859	103.34976	495.79994	40.61499	35.56429	82.63332	8.43E-08	1.64E-05	2.74E-06	2.6E-11	7.85E-11	6.2E-11	4.5E-15	1.09E-13	6E-15	1.19225E-13	8.43E-08	1.6436E-05	2.73956E-06	2.66051E-11	1.81979E-14	1.32795E-11	3.02772E-15
452	571230.6	4178479	0.55, 41784	1.86428	2.43731	2.04705	228.60917	88.43023	428.91859	34.9281	28.65964	53.61482	6.79E-08	1.42E-05	1.78E-06	2.09E-11	6.32E-11	5E-11	3.62E-15	8.75E-14	4.83E-15	9.60055E-14	6.788E-08	1.4219E-05	1.77758E-06	2.14237E-11	1.46538E-14	1.06932E-11	2.43806E-15
453	571270.6	4178479	0.55, 41784	1.58233	1.95726	1.72288	275.18297	89.4878	451.79055	39.56066	24.38596	62.99097	5.71E-08	1.5E-05	2.09E-06	1.76E-11	5.32E-11	4.2E-11	3.05E-15	7.37E-14	4.07E-15	8.08011E-14	5.713E-08	1.4977E-05	2.08843E-06	1.80308E-11	1.23331E-14	8.99974E-12	2.05194E-15
454	571310.6	4178479	0.55, 41784	1.35793	1.6065	1.5101	222.77943	77.47813	328.49847	32.82803	21.05024	46.46168	5.01E-08	1.09E-05	1.54E-06	1.55E-11	4.67E-11	3.69E-11	2.67E-15	6.46E-14	3.56E-15	7.08206E-14	5.007E-08	1.089E-05	1.54045E-06	1.58036E-11	1.08097E-14	7.8881E-12	1.79849E-15
455	571350.6	4178479	0.55, 41784	1.1642	1.33076	1.27594	210.30644	64.61424	297.95893	30.9494	18.13628	42.55235	4.23E-08	9.88E-06	1.41E-06	1.31E-11	3.94E-11	3.11E-11	2.26E-15	5.46E-14	3.01E-15	5.98387E-14	4.231E-08	9.8777E-06	1.41084E-06	1.3353E-11	9.13347E-15	6.66492E-12	1.5196E-15
456	571390.6	4178479	0.55, 41784	1.001	1.11694	1.07653	187.8278	60.73144	278.37154	27.7002	15.35336	39.86006	3.57E-08	9.23E-06	1.32E-06	1.1E-11	3.33E-11	2.63E-11	1.91E-15	4.6E-14	2.54E-15	5.04868E-14	3.57E-08	9.2283E-06	1.32156E-06	1.12661E-11	7.70604E-15	5.62329E-12	1.28211E-15
457	571430.6	4178479	0.55, 41784	0.8626	0.94616	0.9271	141.00765	57.76687	153.44445	20.99683	12.7525	23.01436	3.07E-08	5.09E-06	7.63E-07	9.49E-12	2.86E-11	2.26E-11	1.64E-15	3.96E-14	2.19E-15	4.34787E-14	3.074E-08	5.0871E-06	7.63088E-07	9.70228E-12	6.63636E-15	4.84272E-12	1.10414E-15
458	571470.6	4178479	0.55, 41784	0.75511	0.81334	0.81471	85.41876	54.87579	110.14274	13.60469	11.10539	17.11986	2.7E-08	3.65E-06	5.68E-07	8.34E-12	2.52E-11	1.99E-11	1.44E-15	3.48E-14	1.92E-15	3.82077E-14	2.701E-08	3.6516E-06	5.67626E-07	8.52605E-12	5.83182E-15	4.25562E-12	9.70282E-16
459	571510.6	4178479	0.55, 41784	0.666	0.70453	0.71826	104.54177	51.61661	121.24791	13.06772	9.4895	15.99878	2.38E-08	4.02E-06	5.3E-07	7.35E-12	2.22E-11	1.75E-11	1.27E-15	3.07E-14	1.7E-15	3.36843E-14	2.382E-08	4.0197E-06	5.30458E-07	7.51666E-12	5.14139E-15	3.7518E-12	8.55411E-16
460	571550.6	4178479	0.55, 41784	0.58993	0.61436	0.63446	114.23468	47.78612	141.81512	14.27934	8.47335	17.72689	2.1E-08	4.7E-06	5.88E-07	6.49E-12	1.96E-11	1.55E-11	1.12E-15	2.71E-14	1.5E-15	2.97542E-14	2.104E-08	4.7015E-06	5.87754E-07	6.63966E-12	4.54153E-15	3.31407E-12	7.55607E-16
461	571590.6	4178479	0.55, 41784	0.5248	0.5396	0.56365	114.71837	43.31659	143.69009	14.3398	7.89274	17.96126	1.87E-08	4.76E-06	5.96E-07	5.77E-12	1.74E-11	1.38E-11	9.98E-16	2.41E-14	1.33E-15	2.64334E-14	1.869E-08	4.7636E-06	5.95524E-07	5.89862E-12	4.03465E-15	2.94419E-12	6.71275E-16
462	570310.6	4178519	0.55, 41785	0.10968	0.08323	0.10459	75.92481	30.95134	85.20389	12.65413	4.31611	14.20065	3.47E-09	2.82E-06	4.71E-07	1.07E-12	3.23E-12	2.55E-12	1.85E-16	4.47E-15	2.47E-16	4.90476E-15	3.468E-09	2.8247E-06	4.70849E-07	1.0945E-12	7.48636E-16	5.46299E-13	1.24556E-16
463	570350.6	4178519	0.55, 41785	0.12253	0.09413	0.11632	80.98331	32.52203	91.70345	13.49722	4.56123	15.28391	3.86E-09	3.04E-06	5.07E-07	1.19E-12	3.59E-12	2.84E-12	2.06E-16	4.97E-15	2.75E-16	5.45485E-15	3.857E-09	3.0402E-06	5.06765E-07	1.21725E-12	8.32601E-16	6.07569E-13	1.38526E-16
464	570390.6	4178519	0.55, 41785	0.13706	0.10653	0.12954	86.4192	34.09518	99.00991	14.4032	4.78567	16.50165	4.3E-09	3.28E-06	5.47E-07	1.33E-12	4E-12	3.16E-12	2.29E-16	5.54E-15	3.06E-16	6.07483E-15	4.295E-09	3.2824E-06	5.4714E-07	1.3556E-12	9.2723E-16	6.76623E-13	1.5427E-16
465	570430.6	4178519	0.55, 41785	0.15657	0.12308	0.14711	93.48729	36.56809	108.68156	15.58121	5.11226	18.11359	4.88E-09	3.6E-06	6.01E-07	1.51E-12	4.54E-12	3.59E-12	2.6E-16	6.29E-15	3.47E-16	6.89881E-15	4.878E-09	3.603E-06	6.00585E-07	1.53947E-12	1.053E-15	7.68399E-13	1.75195E-16
466	570470.6	4178519	0.55, 41785	0.18113	0.14422	0.16907	101.65142	39.2669	120.52836	16.9419	5.47129	20.08806	5.61E-09	4E-06	6.66E-07	1.73E-12	5.22E-12	4.13E-12	2.99E-16	7.23E-15	3.99E-16	7.92867E-15	5.606E-09	3.9958E-06	6.66048E-07	1.76928E-12	1.21019E-15	8.83106E-13	2.01348E-16
467	570510.6	4178519	0.55, 41785	0.21556	0.17373	0.19928	112.42418	43.21366	137.68321	18.73736	6.23491	20.9472	6.61E-09	4.56E-06	7.61E-07	2.04E-12	6.16E-12	4.86E-12	3.53E-16	8.52E-15	4.7E-16	9.34543E-15	6.608E-09	4.5645E-06	7.60842E-07	2.08544E-12	1.42644E-15	1.04091E-12	2.37327E-16
468	570550.6	4178519	0.55, 41785	0.26244	0.21401	0.23948	127.39838	48.06291	159.66591	20.89373	7.26318	26.61098	7.94E-09	5.29E-06	8.82E-07	2.45E-12	7.4E-12	5.84E-12	4.24E-16	1.02E-14	5.65E-16	1.12307E-14	7.94E-09	5.2932E-06	8.82311E-07	2.50614E-12	1.7142E-15	1.25089E-12	2.85204E-16
469	570590.6	4178519	0.55, 41785	0.32438	0.26815	0.29055	146.74921	52.55391	186.84388	23.05175	8.49659	31.14065	9.63E-09	6.19E-06	1.03E-06	2.97E-12	8.98E-12	7.09E-12	5.14E-16	1.24E-14	6.86E-16	1.36258E-14	9.634E-09	6.1942E-06	1.03248E-06	3.04061E-12	2.07977E-15	1.51766E-12	3.46027E-16
470	570630.6	4178519	0.55, 41785	0.41604	0.34788	0.36203	170.82398	60.03664	221.85088	25.41079	10.076	36.97515	1.2E-08	7.35E-06	1.23E-06	3.7E-12	1.12E-11	8.83E-12	6.41E-16	1.55E-14	8.55E-16	1.69782E-14	1.2E-08	7.3547E-06	1.22591E-06	3.78868E-12	2.59146E-15	1.89105E-12	4.3116E-16
471	570670.6	4178519	0.55, 41785	0.56352	0.47347	0.46761	210.6175	71.54419	266.74609	27.95974	12.2085	44.45768	1.55E-08	8.84E-06	1.47E-06	4.78E-12	1.44E-11	1.14E-11	8.28E-16	2E-14	1.1E-15	2.19299E-14	1.551E-08	8.8431E-06	1.47397E-06	4.89366E-12	3.34726E-15	2.44258E-12	5.56908E-16
472	570710.6	4178519	0.55, 41785	0.82936	0.69158	0.6351	257.30872	94.91316	337.8148	32.16359	16.3308	53.60133	2.11E-08	1.12E-05	1.78E-06	6.5E-12	1.96E-11	1.55E-11	1.12E-15	2.72E-14	1.5E-15	2.97854E-14	2.106E-08	1.1199E-05	1.77711E-06	6.64663E-12	4.54629E-15	3.31754E-12	7.564E-16
473	570750.6	4178519	0.55, 41785	1.36529	1.13262	0.93188	327.60111	130.96882	473.41526	45.80096	29.91109	62.68561	3.09E-08	1.57E-05	2.08E-06	9.54E-12	2.88E-11	2.27E-11	1.65E-15	3.99E-14	2.2E-15	4.37056E-14	3.09E-08	1.5694E-05	2.07837E-06	9.75292E-12	6.671E-15	4.86799E-12	1.1099E-15
474	570790.6	4178519	0.55, 41785	2.09469	1.90095	1.39228	339.24086	174.34023	730.67406	59.4987	49.70987	91.33426	4.62E-08	2.42E-05	3.03E-06	1.42E-11	4.3E-11	3.4E-11	2.47E-15	5.95E-14	3.29E-15	6.53011E-14	4.617E-08	2.4223E-05	3.02816E-06	1.4572E-11	9.96722E-15	7.27333E-12	1.65832E-15
475	570990.6	4178519	0.55, 41785	30.9381	16.28557	11.79039	1645.60932	278.46944	1244.70182	444.29015	131.46412	279.7997	3.91E-07	4.13E-05	9.28E-06	1.21E-10	3.64E-10	2.88E-10	2.09E-14	5.04E-13	2.78E-14	5.53015E-13	3.91E-07	4.1264E-05	9.27905E-06	1.23406E-10	8.44094E-14	6.15956E-11	1.40438E-14
476	571030.6	4178519	0.55, 41785	10.39533	8.05295	7.62595	575.07494	188.36146	999.69988	130.51861	75.45666	173.23921	2.53E-07	3.31E-05	5.74E-06	7.8E-11	2.36E-10	1.86E-10	1.35E-14	3.26E-13	1.8E-14	3.57646E-13	2.529E-07	3.3141E-05	5.74385E-06	7.98087E-11	5.45892E-14	3.98351E-11	9.0824E-15
477	571070.6	4178519	0.55, 41785	5.62777	5.38206	5.21191	327.13066	151.27996	542.64793	61.45445	56.79768	91.26612	1.73E-07	1.8E-05	3.03E-06	5.33E-11	1.61E-10	1.27E-10	9.23E-15	2.23E-13	1.23E-14	2.44427E-13	1.728E-07	1.799E-05	3.02592E-06	5.4544E-11	3.73081E-14	2.72247E-11	6.20723E-15
478	571110.6	4178519	0.55, 41785	3.70135	3.92679	3.70614	194.51307	130.68512	402.95521	41.68788	44.49195	69.09918	1.23E-07	1.34E-05	2.29E-06	3.79E-11	1.14E-10	9.04E-11	6.56E-15	1.58E-13	8.75E-15	1.73811E-13	1.229E-07	1.3359E-05	2.29093E-06	3.87859E-11	2.65296E-14	1.93593E-11	4.41392E-15
479	571150.6	4178519	0.55, 41785	2.69329	3.00723	2.77155	208.02281	103.35418	440.08145	30.40761	37.50867	55.01018	9.19E-08	1.46E-05	1.82E-06	2.84E-11	8.56E-11	6.76E-11	4.91E-15	1.19E-13	6.54E-15	1.29981E-13	9.19E-08	1.4589E-05	1.8238E-06	2.90053E-11	1.98396E-14	1.44775E-11	3.30086E-15
480	571190.6	4178519	0.55, 41785	2.08526	2.38411	2.19601	205.94825	100.14217	330.97092	32.90062	31.32752	44.74048	7.28E-08	1.1E-05	1.48E-06	2.25E-11	6.78E-11	5.36E-11	3.89E-15	9.39E-14	5.18E-15	1.02989E-13	7.282E-08	1.0972E-05	1.48339E-06	2.29821E-11	1.57197E-14	1.14711E-11	2.61541E-15
481	571230.6	4178519	0.55, 41785	1.66362	1.91731	1.76389	215.41751	83.66277	360.55042	30.77393	25.17962	52.13444	5.85E-08	1.2E-05	1.73E-06	1.8E-11	5.45E-11	4.3E-11	3.12E-15	7.54E-14	4.16E-15	8.27234E-14	5.849E-08	1.1953E-05	1.72847E-06	1.84598E-11	1.26265E-14	9.21386E-12	2.10076E-15
482	571270.6	4178519	0.55, 41785	1.38104	1.58176	1.44385	194.90891	74.63088	227.07234	31.16799	21.56574	34.54332	4.79E-08	7.53E-06	1.15E-06	1.48E-11	4.46E-11	3.52E-11	2.56E-15	6.17E-14	3.41E-15	6.77143E-14	4.788E-08	7.528E-06	1.14535E-06	1.51105E-11	1.03356E-14	7.54211E-12	1.7196E-15
483	571310.6	4178519	0.55, 41785	1.18628	1.33473	1.24995	227.7435	74.01926	353.91474	34.0231	18.88588	51.12416	4.14E-08	1.17E-05	1.7E-06	1.28E-11	3.86E-11	3.05E-11	2.21E-15	5.35E-14	2.95E-15	5.86203E-14	4.145E-08	1.1733E-05	1.69501E-06	1.30811E-11	8.94749E-15	6.52921E-12	1.48866E-15
484	571350.6	4178519	0.55, 41785	1.02794	1.1349	1.10387	186.21806	66.32591	255.87469	28.09378	16.3212	37.6065	3.66E-08	8.48E-06	1.25E-06	1.13E-11	3.41E-11	2.69E-11	1.95E-15	4.72E-14	2.61E-15	5.17689E-14	3.66E-08	8.4826E-06	1.24686E-06	1.15522E-11	7.90173E-15	5.76609E-12	1.31467E-15
485	571390.6	4178519	0.55, 41785	0.88898	0.96986	0.94947	165.64096	58.31983	230.86073	23.55305	14.40747	29.95608	3.15E-08	7.65E-06	9.93E-07	9.71E-12	2.93E-11	2.32E-11	1.68E-15	4.06E-14	2.24E-15	4.45278E-14	3.148E-08	7.6534E-06	9.93221E-07	9.93639E-12	6.79649E-15	4.95957E-12	1.13078E-15
486	571430.6	4178519	0.55, 41785	0.7696	0.83467	0.8102	166.81635	54.79876	235.11797	23.72844	12.50769	32.6638	2.69E-08	7.79E-06	1.08E-06	8.29E-12	2.5E-11	1.98E-11	1.43E-15	3.46E-14	1.91E-15	3.79965E-14	2.686E-08	7.7945E-06	1.08298E-06	8.47893E-12	5.79959E-15	4.2321E-12	9.64919E-16
487	571470.6	4178519	0.55, 41785	0.67066	0.72494	0.7032	138.40145	51.97552	171.46902	19.82816	10.73341	24.30543	2.33E-08	5.68E-06	8.06E-07	7.2E-12	2.17E-11	1.72E-11	1.25E-15	3.01E-14	1.66E-15	3.29784E-14	2.332E-08	5.6845E-06	8.05875E-07	7.35915E-12	5.03366E-15	3.67319E-12	8.37486E-16
488	571510.6	4178519	0.55, 41785	0.58987	0.63439	0.62004	93.94363	49.66848	89.41667	13.736	9.50533	13.29785	2.06E-08	2.96E-06	4.41E-07	6.34E-12	1.92E-11	1.51E-11	1.1E-15	2.65E-14	1.46E-15	2.90784E-14	2.056E-08	2.9645E-06	4.40932E-07	6.48885E-12	4.43837E-15	3.23879E-12	7.38444E-16
489	571550.6	4178519	0.55, 41785	0.52422	0.55926	0.55249	64.7066	47.53612	82.72316	9.81761	8.44297	11.85775	1.83E-08	2.74E-06	3.93E-07	5.65E-12	1.71E-11	1.35E-11	9.78E-16	2.36E-14	1.3E-15	2.59104E-14	1.832E-08	2.7426E-06	3.93159E-07	5.78191E-12	3.95482E-15	2.88593E-12	6.57993E-16
490	571590.6	4178519	0.55, 41785	0.47148	0.49721	0.49682	75.39988	45.27823	83.60413	9.54319	7.49343	11.2302	1.65E-08	2.77E-06	3.72E-07	5.08E-12	1.53E-11	1.21E-11	8.8E-16	2.12E-14	1.17E-15	2.32995E-14	1.647E-08	2.7718E-06	3.72354E-07	5.1993E-12	3.55632E-15	2.59513E-12	5.91691E-16
491	570310.6	4178559	0.55, 41785	0.10731	0.08405	0.10201	76.80272	30.54078	89.48595	12.80045	4.19275	14.91432	3.38E-09	2.97E-06	4.95E-07	1.04E-12	3.15E-12	2.49E-12	1.81E-16	4.36E-15	2.41E-16	4.7838E-15	3.382E-09	2.9667E-06	4.94508E-07	1.06751E-12	7.30174E-16	5.32827E-13	1.21484E-16
492	570350.6	4178559	0.55, 41785	0.11907	0.09438	0.11262	82.9813	31.5625	94.82328	13.39224	4.31782	15.80388	3.73E-09	3.14E-06	5.24E-07	1.15E-12	3.48E-12	2.75E-12	1.99E-16	4.82E-15	2.66E-16	5.28138E-15	3.734E-09	3.1436E-06	5.24001E-07	1.17854E-12	8.06122E-16	5.88248E-13	1.3412E-16
493	570390.6	4178559	0.55, 41785	0.1339	0.10748	0.12591	90.55746	32.83588	101.05325	14.07263	4.47793	16.84221	4.17E-09	3.35E-06	5.58E-07	1.29E-12	3.89E-12	3.07E-12	2.23E-16	5.38E-15	2.97E-16	5.90464E-15	4.175E-09	3.3501E-06	5.58426E-07	1.31762E-12	9.01254E-16	6.57668E-13	1.49948E-16
494	570430.6	4178559	0.55, 41785	0.15297	0.12443	0.14282	99.07784	34.42492	111.25467	14.88754	4.68196	18.0897	4.74E-09	3.69E-06	6E-07	1.46E-12	4.41E-12	3.49E-12	2.53E-16	6.11E-15	3.37E-16	6.69768E-15	4.735E-09	3.6883E-06	5.99786E-07	1.49459E-12	1.0223E-15	7.45998E-13	1.70087E-16
495	570470.6	4178559	0.55, 41785	0.17711	0.14611	0.16369	108.3811	37.13833	125.77833	15.68816	5.10948	19.33096	5.43E-09	4.17E-06	6.41E-07	1.67E-12	5.06E-12	3.99E-12	2.9E-16	7E-15	3.86E-16	7.67644E-15	5.427E-09	4.1698E-06	6.4094E-07	1.713E-12	1.17169E-15	8.55014E-13	1.94943E-16
496	570510.6	4178559	0.55, 41785	0.21022	0.1758	0.19176	119.02071	41.74654	144.28309	16.67371	5.7123	20.76073	6.36E-09	4.78E-06	6.88E-07	1.96E-12	5.92E-12	4.68E-12	3.4E-16	8.2E-15	4.53E-16	8.99288E-15	6.358E-09	4.7833E-06	6.88344E-07	2.00676E-12	1.37263E-15	1.00164E-12	2.28374E-16
497	570550.6	4178559	0.55, 41785	0.25686	0.21737	0.22998	138.81712	48.97119	169.0217	17.78034	6.5378	22.20322	7.63E-09	5.6E-06	7.36E-07	2.35E-12	7.1E-12	5.61E-12	4.07E-16	9.84E-15	5.43E-16	1.07853E-14	7.626E-09	5.6034E-06	7.36171E-07	2.40675E-12	1.64622E-15	1.20129E-12	2.73894E-16
498	570590.6	4178559	0.55, 41785	0.31921	0.27311	0.27901	158.95656	55.69599	196.40207	19.86957	7.90259	24.55026	9.25E-09	6.51E-06	8.14E-07	2.85E-12	8.62E-12	6.81E-12	4.94E-16	1.19E-14	6.59E-16	1.30848E-14	9.251E-09	6.5111E-06	8.13991E-07	2.91988E-12	1.9972E-15	1.45741E-12	3.32289E-16
499	570630.6	4178559	0.55, 41785	0.41072	0.35398	0.34795	180.38278	65.18573	228.48167	22.54785	9.64997	28.56021	1.15E-08	7.57E-06	9.47E-07	3.56E-12	1.07E-11	8.49E-12	6.16E-16	1.49E-14	8.21E-16	1.63181E-14	1.154E-08	7.5746E-06	9.4694E-07	3.64139E-12	2.49071E-15	1.81753E-12	4.14397E-16
500	570670.6	4178559	0.55, 41785	0.55178	0.47716	0.45068	218.05495	85.23197	290.43238	27.25687	14.02323	36.30405	1.49E-08	9.63E-06	1.2E-06	4.61E-12	1.39E-11	1.1E-11	7.98E-16	1.93E-14	1.06E-15	2.11361E-14	1.494E-08	9.6284E-06	1.20368E-06	4.71654E-12	3.22611E-15	2.35417E-12	5.36752E-16
501	570710.6	4178559	0.55, 41785	0.78132	0.6809	0.62169	244.71244	105.12049	355.26836	32.595	21.74638	44.40855	2.06E-08	1.18E-05	1.47E-06	6.36E-12	1.92E-11	1.52E-11	1.1E-15	2.66E-14	1.47E-15	2.91565E-14	2.061E-08	1.1778E-05	1.47238E-06	6.50629E-12	4.4503E-15	3.2475E-12	7.40429E-16
502	570750.6	4178559	0.55, 41785	1.13763	1.02831	0.92752	276.33124	124.7524	514.56755	39.47589	32.46528	64.32094	3.08E-08	1.71E-05	2.13E-06	9.49E-12	2.87E-11	2.26E-11	1.64E-15	3.97E-14	2.19E-15	4.34997E-14	3.076E-08	1.7059E-05	2.13252E-06	9.70697E-12	6.63957E-15	4.84506E-12	1.10467E-15
503	570790.6	4178559	0.55, 41785	1.48115	1.46435	1.34156	285.306	157.20995	776.24295	43.19026	42.97795	97.64972	4.45E-08	2.57E-05	3.24E-06	1.37E-11	4.14E-11	3.27E-11	2.38E-15	5.74E-14	3.17E-15	6.29172E-14	4.448E-08	2.5733E-05	3.23736E-06	1.404E-11	9.60336E-15	7.00781E-12	1.59778E-15
504	570830.6	4178559	0.55, 41785	2.67811	2.99292	2.3948	342.02881	178.80856	871.65336	66.23843	64.34565	121.28657	7.94E-08	2.89E-05	4.02E-06	2.45E-11	7.4E-11	5.84E-11	4.24E-15	1.02E-13	5.65E-15	1.12317E-13	7.941E-08	2.8896E-05	4.0211E-06	2.50636E-11	1.71435E-14	1.251E-11	2.85229E-15
505	570950.6	4178559	0.55, 41785	26.55575	12.00196	5.05287	679.01352	318.67052	1487.06516	280.37281	116.3834	245.48668	1.68E-07	4.93E-05	8.14E-06	5.17E-11	1.56E-10	1.23E-10	8.95E-15	2.16E-13	1.19E-14	2.37075E-13	1.676E-07	4.9298E-05	8.14013E-06	5.29033E-11	3.61858E-14	2.64057E-11	6.0205E-15
506	570990.6	4178559	0.55, 41785	10.52141	6.96087	4.44153	639.29991	205.65266	1371.63359	133.52138	75.6432	174.17097	1.47E-07	4.55E-05	5.77E-06	4.55E-11	1.37E-10	1.08E-10	7.87E-15	1.9E-13	1.05E-14	2.08333E-13	1.473E-07	4.547E-05	5.77477E-06	4.64896E-11	3.17989E-14	2.32044E-11	5.29061E-15
507	571030.6	4178559	0.55, 41785	6.12086	4.69941	3.63304	562.31532	143.87555	907.33173	97.52112	53.65332	135.00156	1.2E-07	3.01E-05	4.48E-06	3.72E-11	1.12E-10	8.87E-11	6.43E-15	1.55E-13	8.58E-15	1.70396E-13	1.205E-07	3.0079E-05	4.47602E-06	3.80238E-11	2.60083E-14	1.89789E-11	4.32719E-15
508	571070.6	4178559	0.55, 41785	4.00501	3.46908	2.98955	291.75499	122.4909	364.39166	69.10596	41.80504	75.82917	9.91E-08	1.21E-05	2.51E-06	3.06E-11	9.24E-11	7.3E-11	5.29E-15	1.28E-13	7.06E-15	1.40209E-13	9.913E-08	1.208E-05	2.51427E-06	3.12877E-11	2.14008E-14	1.56167E-11	3.5606E-15
509	571110.6	4178559	0.55, 41785	2.89394	2.70355	2.4438	288.47324	105.99812	437.78623	48.03981	36.46899	59.71453	8.1E-08	1.45E-05	1.98E-06	2.5E-11	7.55E-11	5.96E-11	4.33E-15	1.05E-13	5.77E-15	1.14611E-13	8.103E-08	1.4513E-05	1.9799E-06	2.55756E-11	1.74937E-14	1.27656E-11	2.91055E-15
510	571150.6	4178559	0.55, 41785	2.21115	2.17534	2.01472	240.56187	97.79178	377.92847	31.90722	30.3701	47.66793	6.68E-08	1.25E-05	1.58E-06	2.06E-11	6.22E-11	4.92E-11	3.57E-15	8.62E-14	4.76E-15	9.44872E-14	6.681E-08	1.2529E-05	1.58042E-06	2.10848E-11	1.4422E-14	1.05241E-11	2.3995E-15
511	571190.6	4178559	0.55, 41785	1.76303	1.79806	1.6955	177.14345	83.63267	264.27885	24.55859	26.34777	34.50528	5.62E-08	8.76E-06	1.14E-06	1.73E-11	5.24E-11	4.14E-11	3E-15	7.25E-14	4E-15	7.95158E-14	5.622E-08	8.7614E-06	1.14403E-06	1.7744E-11	1.21369E-14	8.85658E-12	2.0193E-15
512	571230.6	4178559	0.55, 41785	1.44054	1.50665	1.43503	192.87207	80.98435	306.26039	29.09943	22.26218	51.0434	4.76E-08	1.02E-05	1.69E-06	1.47E-11	4.43E-11	3.5E-11	2.54E-15	6.14E-14	3.39E-15	6.73E-14	4.758E-08	1.0153E-05	1.69229E-06	1.5018E-11	1.02723E-14	7.49597E-12	1.70908E-15
513	571270.6	4178559	0.55, 41785	1.19178	1.27042	1.20125	167.21575	71.42327	283.3883	22.32638	19.23301	35.42354	3.98E-08	9.39E-06	1.17E-06	1.23E-11	3.71E-11	2.93E-11	2.13E-15	5.14E-14	2.84E-15	5.63363E-14	3.983E-08	9.3947E-06	1.17445E-06	1.25715E-11	8.59887E-15	6.27481E-12	1.43066E-15

514	571310.6	4178559	0.55, 41785	1.01245	1.08581	1.02025	169.23295	65.49002	155.67948	26.6418	16.91234	25.18935	3.38E-08	5.16E-06	8.35E-07	1.04E-11	3.15E-11	2.49E-11	1.81E-15	4.36E-14	2.41E-15	4.78478E-14	3.383E-08	5.1613E-06	8.35238E-07	1.06772E-11	7.30324E-15	5.32936E-12	1.21509E-15
515	571350.6	4178559	0.55, 41785	0.8838	0.94242	0.90608	194.09519	63.64749	285.0024	28.90026	14.99354	40.61241	3E-08	9.45E-06	1.35E-06	9.27E-12	2.8E-11	2.21E-11	1.6E-15	3.87E-14	2.14E-15	4.24932E-14	3.004E-08	9.4482E-06	1.34651E-06	9.48236E-12	6.48594E-15	4.73295E-12	1.07911E-15
516	571390.6	4178559	0.55, 41785	0.78025	0.82372	0.8159	158.10154	57.98385	206.74246	23.81897	12.89204	30.22211	2.71E-08	6.85E-06	1E-06	8.35E-12	2.52E-11	1.99E-11	1.44E-15	3.49E-14	1.93E-15	3.82636E-14	2.705E-08	6.8539E-06	1.00204E-06	8.53854E-12	5.84036E-15	4.26186E-12	9.71703E-16
517	571430.6	4178559	0.55, 41785	0.68512	0.72115	0.71821	137.68904	52.2569	180.06144	18.93914	11.62385	25.68604	2.38E-08	5.97E-06	8.52E-07	7.35E-12	2.22E-11	1.75E-11	1.27E-15	3.07E-14	1.7E-15	3.36821E-14	2.381E-08	5.9694E-06	8.51632E-07	7.51618E-12	5.14107E-15	3.75157E-12	8.55357E-16
518	571470.6	4178559	0.55, 41785	0.60049	0.63425	0.62389	143.56241	49.93475	187.32246	19.90478	10.29716	25.60594	2.07E-08	6.21E-06	8.49E-07	6.38E-12	1.93E-11	1.52E-11	1.1E-15	2.67E-14	1.47E-15	2.92589E-14	2.069E-08	6.21E-06	8.48986E-07	6.52913E-12	4.46593E-15	3.2589E-12	7.43029E-16
519	571510.6	4178559	0.55, 41785	0.52736	0.56045	0.5447	131.02036	47.72087	167.66109	18.26486	8.99798	23.11602	1.81E-08	5.56E-06	7.66E-07	5.57E-12	1.68E-11	1.33E-11	9.64E-16	2.33E-14	1.29E-15	2.55452E-14	1.806E-08	5.5583E-06	7.66433E-07	5.70041E-12	3.89908E-15	2.84526E-12	6.48718E-16
520	571550.6	4178559	0.55, 41785	0.46874	0.49944	0.48529	99.50634	45.73793	109.0385	14.05158	8.03042	15.4257	1.61E-08	3.61E-06	5.11E-07	4.97E-12	1.5E-11	1.18E-11	8.59E-16	2.08E-14	1.15E-15	2.2759E-14	1.609E-08	3.615E-06	5.11471E-07	5.07867E-12	3.47381E-15	2.53493E-12	5.77963E-16
521	571590.6	4178559	0.55, 41785	0.42104	0.44786	0.43792	63.39282	43.98321	60.02596	9.17705	7.35207	9.24249	1.45E-08	1.99E-06	3.06E-07	4.48E-12	1.35E-11	1.07E-11	7.75E-16	1.87E-14	1.03E-15	2.05374E-14	1.452E-08	1.9902E-06	3.06461E-07	4.58292E-12	3.13472E-15	2.28748E-12	5.21546E-16
522	570310.6	4178599	0.55, 41785	0.10507	0.08466	0.09914	83.25071	28.48032	95.05484	11.19876	3.62883	12.56574	3.29E-09	3.15E-06	4.17E-07	1.01E-12	3.06E-12	2.42E-12	1.76E-16	4.24E-15	2.34E-16	4.64925E-15	3.287E-09	3.1513E-06	4.1664E-07	1.03748E-12	7.09637E-16	5.1784E-13	1.18067E-16
523	570350.6	4178599	0.55, 41785	0.11716	0.09561	0.10985	88.57329	30.33455	103.53599	11.44069	3.79182	12.942	3.64E-09	3.43E-06	4.29E-07	1.12E-12	3.39E-12	2.68E-12	1.94E-16	4.7E-15	2.59E-16	5.15152E-15	3.642E-09	3.4324E-06	4.29115E-07	1.14956E-12	7.86301E-16	5.73784E-13	1.30823E-16
524	570390.6	4178599	0.55, 41785	0.13131	0.10865	0.12235	93.2639	32.45644	112.44406	11.65799	4.05706	14.05551	4.06E-09	3.73E-06	4.66E-07	1.25E-12	3.78E-12	2.99E-12	2.17E-16	5.23E-15	2.89E-16	5.73775E-15	4.057E-09	3.7277E-06	4.66029E-07	1.28038E-12	8.7578E-16	6.39079E-13	1.4571E-16
525	570430.6	4178599	0.55, 41785	0.15022	0.126	0.13878	103.53542	36.02365	122.12845	12.94193	4.50296	15.26606	4.6E-09	4.05E-06	5.06E-07	1.42E-12	4.29E-12	3.39E-12	2.46E-16	5.93E-15	3.28E-16	6.50828E-15	4.602E-09	4.0488E-06	5.06169E-07	1.45233E-12	9.93391E-16	7.24902E-13	1.65278E-16
526	570470.6	4178599	0.55, 41785	0.17421	0.14819	0.15942	115.63183	39.91557	131.63773	14.45398	5.34922	16.45472	5.29E-09	4.36E-06	5.46E-07	1.63E-12	4.93E-12	3.89E-12	2.82E-16	6.82E-15	3.76E-16	7.47627E-15	5.286E-09	4.3641E-06	5.45585E-07	1.66833E-12	1.14114E-15	8.32718E-13	1.8986E-16
527	570510.6	4178599	0.55, 41785	0.20799	0.17912	0.18803	128.15759	44.54205	154.67263	16.0197	6.36274	19.33408	6.23E-09	5.13E-06	6.41E-07	1.92E-12	5.81E-12	4.59E-12	3.33E-16	8.04E-15	4.44E-16	8.81803E-15	6.235E-09	5.1277E-06	6.41046E-07	1.96775E-12	1.34594E-15	9.82166E-13	2.23934E-16
528	570550.6	4178599	0.55, 41785	0.25382	0.22088	0.22625	141.74172	51.90419	182.47104	17.71771	7.41488	22.80888	7.5E-09	6.05E-06	7.56E-07	2.31E-12	6.99E-12	5.52E-12	4.01E-16	9.68E-15	5.34E-16	1.06105E-14	7.502E-09	6.0492E-06	7.56247E-07	2.36774E-12	1.61953E-15	1.18181E-12	2.69453E-16
529	570590.6	4178599	0.55, 41785	0.31442	0.27626	0.27638	161.8077	62.94071	207.9054	20.22596	8.27119	25.98817	9.16E-09	6.89E-06	8.62E-07	2.83E-12	8.54E-12	6.74E-12	4.89E-16	1.18E-14	6.52E-16	1.29615E-14	9.164E-09	6.8925E-06	8.61659E-07	2.89237E-12	1.97838E-15	1.44368E-12	3.29158E-16
530	570630.6	4178599	0.55, 41785	0.39904	0.35395	0.34775	187.04764	77.01967	233.41259	23.38095	12.20463	29.17657	1.15E-08	7.74E-06	9.67E-07	3.56E-12	1.07E-11	8.49E-12	6.16E-16	1.49E-14	8.21E-16	1.63087E-14	1.153E-08	7.7381E-06	9.6738E-07	3.63929E-12	2.48928E-15	1.81649E-12	4.14159E-16
531	570670.6	4178599	0.55, 41785	0.52025	0.46779	0.4567	203.91154	89.67976	314.96286	27.18561	17.16092	39.37036	1.51E-08	1.04E-05	1.31E-06	4.67E-12	1.41E-11	1.11E-11	8.09E-16	1.95E-14	1.08E-15	2.14182E-14	1.514E-08	1.0442E-05	1.30533E-06	4.77949E-12	3.26917E-15	2.38559E-12	5.43916E-16
532	570710.6	4178599	0.55, 41785	0.68748	0.63563	0.62617	226.5911	101.22552	383.25212	32.37016	22.387	47.90652	2.08E-08	1.27E-05	1.59E-06	6.41E-12	1.93E-11	1.53E-11	1.11E-15	2.68E-14	1.48E-15	2.93659E-14	2.076E-08	1.2705E-05	1.58834E-06	6.55301E-12	4.48226E-15	3.27082E-12	7.45747E-16
533	570750.6	4178599	0.55, 41785	0.91976	0.89022	0.88415	243.41497	114.05895	499.75889	34.77357	31.00996	69.4997	2.93E-08	1.66E-05	2.3E-06	9.05E-12	2.73E-11	2.16E-11	1.57E-15	3.78E-14	2.09E-15	4.14644E-14	2.932E-08	1.6568E-05	2.30414E-06	9.2528E-12	6.32891E-15	4.61837E-12	1.05299E-15
534	570790.6	4178599	0.55, 41785	1.20615	1.22781	1.16033	261.32328	130.44037	537.17009	39.31654	39.06207	73.65107	3.85E-08	1.78E-05	2.44E-06	1.19E-11	3.58E-11	2.83E-11	2.05E-15	4.96E-14	2.74E-15	5.44173E-14	3.847E-08	1.7808E-05	2.4418E-06	1.21432E-11	8.30597E-15	6.06107E-12	1.38192E-15
535	570830.6	4178599	0.55, 41785	1.86035	2.06593	1.53512	307.79075	158.37727	606.96091	57.33573	51.17396	80.52216	5.09E-08	2.01E-05	2.67E-06	1.57E-11	4.74E-11	3.75E-11	2.72E-15	6.57E-14	3.62E-15	7.19996E-14	5.091E-08	2.0122E-05	2.66973E-06	1.60667E-11	1.09897E-14	8.01943E-12	1.82843E-15
536	570870.6	4178599	0.55, 41785	2.81953	3.8452	1.88016	429.66876	238.19724	679.18896	77.96533	87.47681	90.64703	6.24E-08	2.25E-05	3.01E-06	1.92E-11	5.81E-11	4.59E-11	3.33E-15	8.04E-14	4.44E-15	8.81985E-14	6.236E-08	2.2517E-05	3.00555E-06	1.96815E-11	1.34622E-14	9.82368E-12	2.2398E-15
537	570910.6	4178599	0.55, 41785	4.21414	6.38342	2.32175	555.65098	273.48442	945.27353	124.98504	103.73159	124.24769	7.7E-08	3.13E-05	4.12E-06	2.38E-11	7.18E-11	5.67E-11	4.11E-15	9.93E-14	5.48E-15	1.08933E-13	7.702E-08	3.1337E-05	4.11979E-06	2.43085E-11	1.6627E-14	1.21332E-11	2.76636E-15
538	570950.6	4178599	0.55, 41785	4.59898	4.54538	2.28746	563.80012	195.03038	769.06119	96.52509	58.5202	125.1466	7.59E-08	2.55E-05	4.15E-06	2.34E-11	7.07E-11	5.58E-11	4.05E-15	9.79E-14	5.4E-15	1.07305E-13	7.587E-08	2.5496E-05	4.14933E-06	2.39451E-11	1.63785E-14	1.19518E-11	2.72501E-15
539	570990.6	4178599	0.55, 41785	3.82228	3.4158	2.10211	387.45867	157.86758	722.29473	74.93195	45.58999	97.36969	6.97E-08	2.39E-05	3.23E-06	2.15E-11	6.5E-11	5.13E-11	3.72E-15	8.99E-14	4.96E-15	9.86009E-14	6.971E-08	2.3945E-05	3.22837E-06	2.20028E-11	1.50499E-14	1.09823E-11	2.50397E-15
540	571030.6	4178599	0.55, 41785	3.02247	2.69987	1.99871	442.17309	124.03841	776.22539	67.82636	38.72372	97.59907	6.63E-08	2.57E-05	3.24E-06	2.05E-11	6.18E-11	4.88E-11	3.54E-15	8.55E-14	4.72E-15	9.37437E-14	6.628E-08	2.5732E-05	3.2359E-06	2.09189E-11	1.43085E-14	1.04413E-11	2.38062E-15
541	571070.6	4178599	0.55, 41785	2.43201	2.20804	1.81695	323.32852	105.96293	523.5768	49.87717	32.54487	75.45431	6.02E-08	1.74E-05	2.5E-06	1.86E-11	5.61E-11	4.43E-11	3.22E-15	7.77E-14	4.29E-15	8.52155E-14	6.025E-08	1.7357E-05	2.50167E-06	1.90159E-11	1.30069E-14	9.49143E-12	2.16405E-15
542	571110.6	4178599	0.55, 41785	1.9361	1.83698	1.53551	285.52756	89.63178	395.42144	42.26506	28.59229	57.87538	5.09E-08	1.31E-05	1.92E-06	1.57E-11	4.74E-11	3.75E-11	2.72E-15	6.57E-14	3.63E-15	7.20154E-14	5.092E-08	1.3109E-05	1.91888E-06	1.60703E-11	1.09921E-14	8.02118E-12	1.82883E-15
543	571150.6	4178599	0.55, 41785	1.58315	1.55537	1.34493	182.41041	88.91432	301.39134	29.75311	25.20352	37.67392	4.46E-08	9.99E-06	1.25E-06	1.38E-11	4.16E-11	3.28E-11	2.38E-15	5.75E-14	3.18E-15	6.30764E-14	4.46E-08	9.9916E-06	1.24911E-06	1.40755E-11	9.62766E-15	7.02554E-12	1.60182E-15
544	571190.6	4178599	0.55, 41785	1.33739	1.33597	1.20735	189.26194	77.8274	237.13522	24.55337	21.99349	31.52399	4E-08	7.86E-06	1.05E-06	1.24E-11	3.73E-11	2.95E-11	2.14E-15	5.16E-14	2.85E-15	5.66232E-14	4.003E-08	7.8615E-06	1.0452E-06	1.26355E-11	8.64267E-15	6.30677E-12	1.43794E-15
545	571230.6	4178599	0.55, 41785	1.14183	1.1549	1.07779	177.02423	70.01737	247.02933	25.42204	18.83046	36.19826	3.57E-08	8.19E-06	1.2E-06	1.1E-11	3.33E-11	2.63E-11	1.91E-15	4.61E-14	2.54E-15	5.05465E-14	3.574E-08	8.1894E-06	1.20016E-06	1.12795E-11	7.71515E-15	5.62994E-12	1.28363E-15
546	571270.6	4178599	0.55, 41785	0.97959	1.00523	0.95378	160.46118	68.49541	236.51718	22.92303	16.81937	33.9008	3.16E-08	7.84E-06	1.12E-06	9.76E-12	2.95E-11	2.33E-11	1.69E-15	4.08E-14	2.25E-15	4.47304E-14	3.163E-08	7.841E-06	1.12398E-06	9.9816E-12	6.82742E-15	4.98214E-12	1.13593E-15
547	571310.6	4178599	0.55, 41785	0.84011	0.87488	0.82502	131.92842	62.86665	193.55215	16.49105	15.16442	24.19402	2.74E-08	6.42E-06	8.02E-07	8.44E-12	2.55E-11	2.01E-11	1.46E-15	3.53E-14	1.95E-15	3.86919E-14	2.736E-08	6.4166E-06	8.02152E-07	8.6341E-12	5.90573E-15	4.30956E-12	9.82579E-16
548	571350.6	4178599	0.55, 41785	0.73896	0.77159	0.73066	149.85158	58.69155	153.82017	22.55392	13.49962	22.49489	2.42E-08	5.1E-06	7.46E-07	7.48E-12	2.26E-11	1.78E-11	1.29E-15	3.12E-14	1.72E-15	3.42665E-14	2.423E-08	5.0996E-06	7.45883E-07	7.64658E-12	5.23026E-15	3.81665E-12	8.70197E-16
549	571390.6	4178599	0.55, 41785	0.661	0.68563	0.66671	168.50279	56.32456	235.09945	24.41155	12.10471	32.40344	2.21E-08	7.79E-06	1.07E-06	6.82E-12	2.06E-11	1.63E-11	1.18E-15	2.85E-14	1.57E-15	3.12672E-14	2.211E-08	7.7939E-06	1.07436E-06	6.97728E-12	4.77246E-15	3.48258E-12	7.94029E-16
550	571430.6	4178599	0.55, 41785	0.59511	0.61204	0.61151	136.17098	51.76249	171.68803	20.03651	10.61326	24.28892	2.03E-08	5.69E-06	8.05E-07	6.26E-12	1.89E-11	1.49E-11	1.08E-15	2.62E-14	1.44E-15	2.86782E-14	2.028E-08	5.6918E-06	8.0533E-07	6.39955E-12	4.37729E-15	3.19422E-12	7.28282E-16
551	571470.6	4178599	0.55, 41785	0.53051	0.54561	0.54811	117.9441	47.17442	154.11151	16.84916	9.40387	22.01593	1.82E-08	5.11E-06	7.3E-07	5.61E-12	1.69E-11	1.34E-11	9.7E-16	2.34E-14	1.29E-15	2.57049E-14	1.817E-08	5.1091E-06	7.29954E-07	5.73605E-12	3.92346E-15	2.86305E-12	6.52774E-16
552	571510.6	4178599	0.55, 41785	0.47218	0.48877	0.48576	120.07824	45.51387	145.12306	16.38718	8.49605	19.65912	1.61E-08	4.81E-06	6.52E-07	4.97E-12	1.5E-11	1.19E-11	8.6E-16	2.08E-14	1.15E-15	2.27809E-14	1.611E-08	4.8111E-06	6.51824E-07	5.08356E-12	3.47716E-15	2.53737E-12	5.7852E-16
553	571550.6	4178599	0.55, 41785	0.42043	0.43954	0.43052	119.99429	43.92883	151.34582	16.43506	7.56489	20.5622	1.43E-08	5.02E-06	6.82E-07	4.41E-12	1.33E-11	1.05E-11	7.62E-16	1.84E-14	1.02E-15	2.01903E-14	1.428E-08	5.0174E-06	6.81761E-07	4.50548E-12	3.08175E-15	2.24883E-12	5.12733E-16
554	571590.6	4178599	0.55, 41785	0.37632	0.39688	0.38556	100.33698	42.40478	116.86516	13.86046	7.00095	16.11187	1.28E-08	3.87E-06	5.34E-07	3.95E-12	1.19E-11	9.41E-12	6.83E-16	1.65E-14	9.1E-16	1.80819E-14	1.278E-08	3.8744E-06	5.34214E-07	4.03497E-12	2.75992E-15	2.01398E-12	4.59189E-16
555	570310.6	4178639	0.55, 41786	0.10356	0.08559	0.09711	83.92303	29.66661	96.15389	10.49038	3.70833	12.01924	3.22E-09	3.19E-06	3.99E-07	9.94E-13	3E-12	2.37E-12	1.72E-16	4.15E-15	2.29E-16	4.55408E-15	3.22E-09	3.1877E-06	3.98518E-07	1.01624E-12	6.95111E-16	5.0724E-13	1.15651E-16
556	570350.6	4178639	0.55, 41786	0.1161	0.09716	0.10841	92.63397	32.60646	103.61771	11.57925	4.08084	12.95221	3.59E-09	3.44E-06	4.29E-07	1.11E-12	3.35E-12	2.65E-12	1.92E-16	4.64E-15	2.56E-16	5.08402E-15	3.595E-09	3.4351E-06	4.29455E-07	1.1345E-12	7.75999E-16	5.66266E-13	1.29109E-16
557	570390.6	4178639	0.55, 41786	0.13068	0.11086	0.1215	100.54346	34.97331	116.66288	12.56793	4.70976	14.58286	4.03E-09	3.87E-06	4.84E-07	1.24E-12	3.75E-12	2.96E-12	2.15E-16	5.2E-15	2.87E-16	5.69792E-15	4.029E-09	3.8676E-06	4.83518E-07	1.27149E-12	8.69701E-16	6.34643E-13	1.44698E-16
558	570430.6	4178639	0.55, 41786	0.14929	0.12834	0.13819	107.49924	37.52244	130.89362	13.4374	5.36035	16.3617	4.58E-09	4.34E-06	5.42E-07	1.41E-12	4.27E-12	3.37E-12	2.45E-16	5.91E-15	3.26E-16	6.48065E-15	4.582E-09	4.3394E-06	5.42492E-07	1.44616E-12	9.89173E-16	7.21824E-13	1.64576E-16
559	570470.6	4178639	0.55, 41786	0.17443	0.15183	0.16061	116.62505	42.4162	145.19757	14.57813	6.05946	18.1497	5.33E-09	4.81E-06	6.02E-07	1.64E-12	4.96E-12	3.92E-12	2.84E-16	6.87E-15	3.79E-16	7.5321E-15	5.325E-09	4.8136E-06	6.01773E-07	1.68079E-12	1.14966E-15	8.38937E-13	1.91278E-16
560	570510.6	4178639	0.55, 41786	0.20768	0.18277	0.19013	127.00459	48.18252	156.06863	15.87557	6.71257	19.50858	6.3E-09	5.17E-06	6.47E-07	1.95E-12	5.87E-12	4.64E-12	3.37E-16	8.13E-15	4.49E-16	8.91653E-15	6.304E-09	5.174E-06	6.4683E-07	1.98973E-12	1.36097E-15	9.93137E-13	2.26435E-16
561	570550.6	4178639	0.55, 41786	0.2504	0.22269	0.22841	148.76746	59.99627	172.72318	18.59593	7.58374	21.5904	7.57E-09	5.73E-06	7.16E-07	2.34E-12	7.06E-12	5.57E-12	4.04E-16	9.77E-15	5.39E-16	1.07118E-14	7.574E-09	5.7262E-06	7.15864E-07	2.39034E-12	1.63499E-15	1.19309E-12	2.72026E-16
562	570590.6	4178639	0.55, 41786	0.30521	0.27478	0.27907	162.38276	69.4472	222.88998	20.29784	10.74133	27.86125	9.25E-09	7.39E-06	9.24E-07	2.86E-12	8.62E-12	6.81E-12	4.94E-16	1.19E-14	6.59E-16	1.30876E-14	9.253E-09	7.3892E-06	9.2375E-07	2.92051E-12	1.99763E-15	1.45772E-12	3.3236E-16
563	570630.6	4178639	0.55, 41786	0.37839	0.34592	0.35098	177.15033	78.68271	266.26636	23.7109	14.16715	33.28329	1.16E-08	8.83E-06	1.1E-06	3.59E-12	1.08E-11	8.57E-12	6.21E-16	1.5E-14	8.29E-16	1.646E-14	1.164E-08	8.8272E-06	1.10352E-06	3.67306E-12	2.51237E-15	1.83334E-12	4.18002E-16
564	570670.6	4178639	0.55, 41786	0.47152	0.44129	0.44999	194.04584	86.02037	313.51443	27.72083	17.24466	39.1893	1.49E-08	1.04E-05	1.3E-06	4.6E-12	1.39E-11	1.1E-11	7.97E-16	1.92E-14	1.06E-15	2.11033E-14	1.492E-08	1.0393E-05	1.29933E-06	4.7092E-12	3.22109E-15	2.35051E-12	5.35917E-16
565	570710.6	4178639	0.55, 41786	0.59058	0.57043	0.57865	207.44684	93.90742	372.29223	29.63526	21.88085	53.1846	1.92E-08	1.23E-05	1.76E-06	5.92E-12	1.79E-11	1.41E-11	1.02E-15	2.47E-14	1.37E-15	2.71371E-14	1.919E-08	1.2342E-05	1.76327E-06	6.05565E-12	4.14206E-15	3.02257E-12	6.89145E-16
566	570750.6	4178639	0.55, 41786	0.7421	0.74424	0.7234	219.27007	107.04803	379.32522	31.3243	27.05481	52.15596	2.4E-08	1.26E-05	1.73E-06	7.4E-12	2.23E-11	1.77E-11	1.28E-15	3.09E-14	1.71E-15	3.39258E-14	2.399E-08	1.2575E-05	1.72919E-06	7.57056E-12	5.17826E-15	3.77871E-12	8.61545E-16
567	570790.6	4178639	0.55, 41786	0.94425	0.97087	0.85006	237.37937	117.94026	412.19598	33.01145	30.70173	55.76703	2.82E-08	1.37E-05	1.85E-06	8.7E-12	2.63E-11	2.07E-11	1.51E-15	3.64E-14	2.01E-15	3.98671E-14	2.819E-08	1.3665E-05	1.84891E-06	8.89636E-12	6.08511E-15	4.44046E-12	1.01242E-15
568	570830.6	4178639	0.55, 41786	1.23329	1.33292	0.96284	295.25944	130.22679	473.13116	42.69044	39.99654	61.26658	3.19E-08	1.57E-05	2.03E-06	9.85E-12	2.97E-11	2.35E-11	1.7E-15	4.12E-14	2.27E-15	4.51593E-14	3.193E-08	1.5685E-05	2.0313E-06	1.00773E-11	6.89288E-15	5.02991E-12	1.14682E-15
569	570870.6	4178639	0.55, 41786	1.50989	1.73214	1.20169	317.24906	188.19869	615.93486	58.25942	53.82297	76.99186	3.99E-08	2.04E-05	2.55E-06	1.23E-11	3.71E-11	2.93E-11	2.13E-15	5.14E-14	2.84E-15	5.63626E-14	3.985E-08	2.0419E-05	2.55271E-06	1.25773E-11	8.6029E-15	6.27775E-12	1.43133E-15
570	570910.6	4178639	0.55, 41786	1.78259	1.99297	1.30656	332.58479	179.86407	638.76492	63.94152	52.98497	79.84561	4.33E-08	2.12E-05	2.65E-06	1.34E-11	4.04E-11	3.19E-11	2.31E-15	5.59E-14	3.08E-15	6.12828E-14	4.333E-08	2.1176E-05	2.64736E-06	1.36753E-11	9.35389E-15	6.82577E-12	1.55627E-15
571	570950.6	4178639	0.55, 41786	1.86524	1.94862	1.2876	326.77204	147.92341	425.10208	57.64661	41.4452	82.66786	4.27E-08	1.41E-05	2.74E-06	1.32E-11	3.98E-11	3.14E-11	2.28E-15	5.51E-14	3.04E-15	6.03934E-14	4.27E-08	1.4093E-05	2.74086E-06	1.34768E-11	9.21814E-15	6.72671E-12	1.53369E-15
572	570990.6	4178639	0.55, 41786	1.76592	1.78245	1.25006	311.73236	122.31574	573.48464	43.80696	33.57582	91.70195	4.15E-08	1.9E-05	3.04E-06	1.28E-11	3.86E-11	3.05E-11	2.21E-15	5.35E-14	2.95E-15	5.86314E-14	4.145E-08	1.9012E-05	3.0402E-06	1.30836E-11	8.94919E-15	6.53045E-12	1.48894E-15
573	571030.6	4178639	0.55, 41786	1.5977	1.58915	1.17717	263.38378	106.70114	334.97263	40.88022	26.80487	57.79917	3.9E-08	1.11E-05	1.92E-06	1.2E-11	3.64E-11	2.87E-11	2.08E-15	5.03E-14	2.78E-15	5.52115E-14	3.904E-08	1.1105E-05	1.91634E-06	1.23205E-11	8.4272E-15	6.14954E-12	1.40209E-15
574	571070.6	4178639	0.55, 41786	1.42629	1.41473	1.18099	323.91584	92.06505	516.79706	44.84431	24.93328	64.76299	3.92E-08	1.71E-05	2.15E-06	1.21E-11	3.65E-11	2.88E-11	2.09E-15	5.05E-14	2.79E-15	5.53883E-14	3.916E-08	1.7132E-05	2.14722E-06	1.23599E-11	8.45419E-15	6.16923E-12	1.40659E-15
575	571110.6	4178639	0.55, 41786	1.27265	1.25146	1.07066	231.49813	85.11921	353.08688	34.4516	22.95032	48.16161	3.55E-08	1.17E-05	1.6E-06	1.1E-11	3.31E-11	2.61E-11	1.9E-15	4.58E-14	2.53E-15	5.02135E-14	3.55E-08	1.1705E-05	1.59681E-06	1.12052E-11	7.66433E-15	5.59285E-12	1.27517E-15
576	571150.6	4178639	0.55, 41786	1.10067	1.1079	0.9372	235.36335	78.49538	345.02109	33.92291	20.75102	48.66179	3.11E-08	1.14E-05	1.61E-06	9.59E-12	2.9E-11	2.29E-11	1.66E-15	4.01E-14	2.21E-15	4.39544E-14	3.108E-08	1.1438E-05	1.61339E-06	9.80844E-12	6.70897E-15	4.8957E-12	1.11622E-15
577	571190.6	4178639	0.55, 41786	0.96404	0.98605	0.85109	150.10185	73.9658	197.92558	22.00887	18.66835	28.93746	2.82E-08	6.56E-06	9.59E-07	8.71E-12	2.63E-11	2.08E-11	1.51E-15	3.64E-14	2.01E-15	3.99156E-14	2.822E-08	6.5617E-06	9.59441E-07	8.90718E-12	6.09251E-15	4.44586E-12	1.01366E-15
578	571230.6	4178639	0.55, 41786	0.85847	0.87787	0.78438	130.71922	65.23747	181.52397	20.98447	16.26127	28.21366	2.6E-08	6.02E-06	9.35E-07	8.03E-12	2.42E-11	1.91E-11	1.39E-15	3.35E-14	1.85E-15	3.67865E-14	2.601E-08	6.0179E-06	9.35439E-07	8.20893E-12	5.61491E-15	4.09734E-12	9.34193E-16
579	571270.6	4178639	0.55, 41786	0.76521	0.78388	0.72231	147.71702	61.52416	210.17535	22.46264	14.29709	35.02922	2.4E-08	6.97E-06	1.16E-06	7.39E-12	2.23E-11	1.76E-11	1.28E-15	3.09E-14	1.71E-15	3.38752E-14	2.395E-08	6.9677E-06	1.16138E-06	7.55926E-12	5.17054E-15	3.77307E-12	8.6026E-16
580	571310.6	4178639	0.55, 41786	0.67814	0.70066	0.65218	136.41117	59.8434	199.34802	17.34958	13.40052	24.9185	2.16E-08	6.61E-06	8.26E-07	6.67E-12	2.01E-11	1.59E-11	1.15E-15	2.79E-14	1.54E-15	3.05861E-14	2.163E-08	6.6088E-06	8.26175E-07	6.8253E-12	4.66851E-15	3.40673E-12	7.76734E-16
581	571350.6	4178639	0.55, 41786	0.60279	0.6273	0.58324	124.67819	56.4143	162.56927	15.58477	12.33978	20.32116	1.93E-08	5.39E-06	6.74E-07	5.97E-12	1.8E-11	1.42E-11	1.03E-15	2.49E-14	1.38E-15	2.7353E-14	1.934E-08	5.3895E-06	6.73763E-07	6.10382E-12	4.17501E-15	3.04661E-12	6.94628E-16
582	571390.6	4178639	0.55, 41786	0.54567	0.56561	0.53406	134.64293	53.30447	146.45838	19.4501	11.04071	20.47738	1.77E-08	4.86E-06	6.79E-07	5.46E-12	1.65E-11	1.3E-11	9.46E-16	2.28E-14	1.26E-15	2.50464E-14	1.771E-08	4.8555E-06	6.78977E-07	5.58911E-12	3.82295E-15	2.7897E-12	6.36052E-16
583	571430.6	4178639	0.55, 41786	0.50035	0.51255	0.49968	147.79016	50.85435	197.85336	20.77571	9.97795	26.64502	1.66E-08	6.56E-06	8.83E-07	5.11E-12	1.54E-11	1.22E-11	8.85E-16	2.14E-14	1.18E-15	2.34338E-14	1.657E-08	6.5591E-06	8.83438E-07	5.22927E-12	3.57682E-15	2.61009E-12	5.95101E-16
584	571470.6	4178639	0.55, 41786	0.45884	0.46513	0.46599	118.76181	47.03177	145.5886	16.94782	8.9119	19.9832	1.55E-08	4.83E-06	6.63E-07	4.77E-12	1.44E-11	1.14E-11	8.25E-16	1.99E-14	1.1E-15	2.18537E-14	1.545E-08	4.8266E-06	6.62572E-07	4.87666E-12	3.33563E-15	2.4341E-12	5.54974E-16
585	571510.6	4178639	0.55, 41786	0.41516	0.4204	0.42431	105.04191	43.02213	132.76114	15.00599	7.61313	18.96588	1.41E-08	4.4E-06	6.29E-07	4.34E-12	1.31E-11	1.04E-11	7.51E-16	1.81E-14	1E-15	1.9899E-14	1.407E-08	4.4013E-06	6.28832E-07	4.44046E-12	3.03727E-15	2.21638E-12	5.05334E-16
586	571550.6	4178639	0.55, 41786	0.37489	0.38245	0.3824	101.59712	41.64808	125.74417	13.25702	7.0054	15.71802	1.27E-08	4.17E-06	5.21E-07	3.91E-12	1.18E-11	9.33E-12	6.77E-16	1.64E-14	9.03E-16	1.79335E-14	1.268E-08	4.1687E-06	5.21153E-07	4.00188E-12	2.73728E-15	1.99746E-12	4.55422E-16
587	571590.6	4178639	0.55, 41786	0.33863	0.34937	0.34405	106.83121	40.48294	130.44071	14.45913	6.53587	17.55635	1.14E-08	4.32E-06	5.82E-07	3.52E-12	1.06E-11	8.4E-12	6.09E-16	1.47E-14	8.12E-16	1.61351E-14	1.141E-08	4.3244E-06	5.82103E-07	3.60055E-12	2.46278E-15	1.79715E-12	4.0975E-16
588	570310.6	4178679	0.55, 41786	0.10291	0.0869	0.09701	88.39628	30.98258	103.31105	11.04953	4.21243	12.91388	3.22E-09	3.42E-06	4.28E-07	9.93E-13	3E-12	2.37E-12	1.72E-16	4.15E-15	2.29E-16	4.5494E-15	3.217E-09	3.425E-06	4.2818E-07	1.0152E-12	6.94398E-16	5.06719E-13	1.15532E-16
589	570350.6	4178679	0.55, 41786	0.11574	0.09888	0.10892	93.23081	33.32166	112.3331	11.65385	4.76024	14.04164	3.61E-09	3.72E-06	4.66E-07	1.11E-12	3.36E-12	2.66E-12	1.93E-16	4.66E-15	2.57E-16	5.10795E-15	3.611E-09	3.7241E-06	4.65569E-07	1.13984E-12	7.79652E-16	5.68931E-13	1.29716E-16
590	570390.6	4178679	0.55, 41786	0.13137	0.11361	0.12342	99.39798	36.831	119.21549	12.42475	5.26157	14.90194	4.09E-09	3.95E-06	4.94E-07	1.26E-12	3.81E-12	3.01E-12	2.19E-16	5.28E-15	2.91E-16	5.78797E-15	4.092E-09	3.9522E-06	4.94094E-07	1.29159E-12	8.83446E-16	6.44673E-13	1.46985E-16
591	570430.6	4178679	0.55, 41786	0.15074	0.13191	0.14135	105.99103	39.73692	126.723	13.24888	5.6767	15.84037	4.69E-09	4.2E-06	5.25E-07	1.45E-12	4.37E-12	3.45E-12	2.5E-16	6.04E-15	3.34E-16	6.62885E-15	4.687E-09	4.2011E-06	5.25209E-07	1.47923E-12	1.01179E-15	7.3833E-13	1.68339E-16
592	570470.6	4178679	0.55, 41786	0.17494	0.15487	0.16378	121.69462	47.75873	135.7735	15.21183	5.96984	16.97169	5.43E-09	4.5E-06	5.63E-07	1.68E-12	5.06E-12	4E-12	2.9E-16	7E-15	3.87E-16	7.68076E-15	5.431E-09	4.5012E-06	5.62729E-07	1.71396E-12	1.17235E-15	8.55494E-13	1.95053E-16
593	570510.6	4178679	0.55, 41786	0.2057	0.18414	0.19253	135.37794	56.46386	170.3708	16.92224	7.12807	21.29635	6.38E-09	5.65E-06	7.06E-07	1.97E-12	5.95E-12	4.7E-12	3.41E-16	8.23E-15	4.55E-16	9.02907E-15	6.384E-09	5.6482E-06	7.06101E-07	2.01484E-12	1.37815E-15	1.00567E-12	2.29293E-16
594	570550.6	4178679	0.55, 41786	0.2434	0.22078	0.22908	142.10791	62.60325	200.29273	17.76349	9.55219	25.03659	7.6E-09	6.64E-06	8.3E-07	2.34E-12	7.08E-12	5.59E-12	4.06E-16	9.8E-15	5.41E-16	1.07432E-14	7.596E-09	6.6401E-06	8.30093E-07	2.39734E-12	1.63978E-15	1.19659E-12	2.72823E-16
595	570590.6	4178679	0.55, 41786	0.29132	0.2684	0.27784	157.44437	70.02377	210.9671	21.20731	12.01595	26.37089	9.21E-09	6.99E-06	8.74E-07	2.84E-12	8.58E-12	6.78E-12	4.92E-16	1.19E-14	6.56E-16	1.30299E-14	9.213E-09	6.994E-06	8.74355E-07	2.90762E-12	1.98881E-15	1.45129E-12	3.30893E-16
596	570630.6	4178679	0.55, 41786	0.34871	0.32823	0.33909	170.78411	74.6949	263.98396	24.39773	14.09383	33.40233	1.12E-08	8.75E-06	1.11E-06	3.47E-12	1.05E-11	8.27E-12	6E-16	1.45E-14	8E-16	1.59023E-14	1.124E-08	8.7515E-06	1.10747E-06	3.54861E-12	2.42725E-15	1.77122E-12	4.03839E-16
597	570670.6	4178679	0.55, 41786	0.41782	0.40379	0.41108	181.29369	80.27499	295.25985	25.8991	15.99045	42.12286	1.36E-08	9.79E-06	1.4E-06	4.21E-12	1.27E-11	1E-11	7.28E-16	1.76E-14	9.7E-16	1.92785E-14	1.363E-08	9.7883E-06	1.39656E-06	4.302E-12	2.94257E-15	2.14727E-12	4.89577E-16
598	570710.6	4178679	0.55, 41786	0.49876	0.49687	0.48618	185.88712	90.92914	287.65142	26.5553	19.21501	39.31628	1.61E-08	9.54E-06	1.3E-06	4.97E-12	1.5E-11	1.19E-11	8.61E-16	2.08E-14	1.15E-15	2.28007E-14	1.612E-08	9.5362E-06	1.30353E-06	5.08798E-12	3.48018E-15	2.53958E-12	5.79023E-16
599	570750.6	4178679	0.55, 41786	0.59336	0.60818	0.55751	195.07014	97.11431	330.72411	27.40212	20.89244	45.57898	1.85E-08	1.1E-05	1.51E-06	5.7E-12	1.72E-11	1.36E-11	9.87E-16	2.38E-14	1.32E-15	2.61464E-14	1.849E-08	1.0964E-05	1.51114E-06	5.83457E-12	3.99085E-15	2.91222E-12	6.63987E-16
600	570790.6	4178679	0.55, 41786	0.71288	0.74367	0.61675	232.56486	100.08812	327.08033	29.70634	25.09865	40.88504	2.05E-08	1.08E-05	1.36E-06	6.31E-12	1.91E-11	1.51E-11	1.09E-15	2.64E-14	1.46E-15	2.89255E-14	2.045E-08	1.0843E-05	1.35556E-06	6.45474E-12	4.41505E-15	3.22177E-12	7.34563E-16
601	570830.6	4178679	0.55, 41786	0.82835	0.8948	0.66469	250.25968	113.32691	367.70207	36.36599	33.16876	46.21837	2.2E-08	1.22E-05	1.53E-06	6.8E-12	2.05E-11	1.62E-11	1.18E-15	2.84E-14	1.57E-15	3.11751E-14	2.204E-08	1.219E-05	1.53241E-06	6.95673E-12	4.7584E-15	3.47233E-12	7.9169E-16
602	570870.6	4178679	0.55, 41786	0.92801	1.04065	0.83445	269.45277	158.88347	492.55659	39.41339	35.15016	62.53118	2.77E-08	1.63E-05	2.07E-06	8.54E-12	2.58E-11	2.04E-11	1.48E-15	3.57E-14	1.97E-15	3.9136E-14	2.767E-08	1.6329E-05	2.07319E-06	8.73321E-12	5.97352E-15	4.35903E-12	9.93858E-16
603	570910.6	4178679	0.55, 41786	1.03394	1.13081	0.83809	259.70616	144.94226	471.11442	42.20689	35.5523	58.8893	2.78E-08	1.56E-05	1.95E-06	8.58E-12	2.59E-11	2.05E-11	1.48E-15	3.58E-14	1.98E-15	3.93079E-14	2.779E-08	1.5618E-05	1.95249E-06	8.77156E-12	5.99975E-15	4.37817E-12	9.98222E-16
604	570950.6	4178679	0.55, 41786	1.05684	1.13643	0.82319	242.80014	123.49716	418.67106	39.92153	30.15323	58.18912	2.73E-08	1.39E-05	1.93E-06	8.42E-12	2.54E-11	2.01E-11	1.46E-15	3.52E-14	1.94E-15	3.86094E-14	2.73E-08	1.388E-05	1.92926E-06	8.61569E-12	5.89313E-15	4.30037E-12	9.80484E-16
605	570990.6	4178679	0.55, 41786	1.01802	1.09421	0.82722	255.86386	105.93706	407.98363	37.15781	26.85338	67.99727	2.74E-08	1.35E-05	2.25E-06	8.46E-12	2.56E-11	2.02E-11	1.46E-15	3.54E-14	1.95E-15	3.87978E-14	2.743E-08	1.3525E-05	2.25436E-06	8.65774E-12	5.92189E-15	4.32135E-12	9.85268E-16
606	571030.6	4178679	0.55, 41786	0.98373	1.03259	0.8073	224.24787	96.85684	406.17161	32.03518	21.71644	50.77145	2.68E-08	1.35E-05	1.68E-06	8.26E-12	2.49E-11	1.97E-11	1.43E-15	3.45E-14	1.91E-15	3.78631E-14	2.677E-08	1.3465E-05	1.6833E-06	8.44916E-12	5.77922E-15	4.21724E-12	9.61532E-16
607	571070.6	4178679	0.55, 41786	0.92088	0.95493	0.77727	234.21131	81.25508	306.97474	29.84103	18.74017	38.37184	2.58E-08	1.02E-05	1.27E-06	7.95E-12	2.4E-11	1.9E-11	1.38E-15	3.32E-14	1.84E-15	3.64542E-14	2.577E-08	1.0177E-05	1.27225E-06	8.13476E-12	5.56417E-15	4.06032E-12	9.25752E-16
608	571110.6	4178679	0.55, 41786	0.85296	0.87816	0.75636	249.82687	76.90023	376.11255	32.83771	18.41049	47.06858	2.51E-08	1.25E-05	1.56E-06	7.74E-12	2.34E-11	1.85E-11	1.34E-15	3.23E-14	1.79E-15	3.54728E-14	2.508E-08	1.2469E-05	1.56056E-06	7.91577E-12	5.41439E-15	3.95102E-12	9.00831E-16
609	571150.6	4178679	0.55, 41786	0.78449	0.80428	0.7091	184.12399	71.8753	265.86204	26.94504	17.68151	37.98029	2.35E-08	8.81E-06	1.26E-06	7.26E-12	2.19E-11	1.73E-11	1.26E-15	3.03E-14	1.67E-15	3.32561E-14	2.351E-08	8.8138E-06	1.25924E-06	7.42111E-12	5.07604E-15	3.70412E-12	8.44538E-16
610	571190.6	4178679	0.55, 41786	0.70872	0.73542	0.64227	192.12547	69.23049	267.93218	27.25383	16.04767	37.1098	2.13E-08	8.88E-06	1.23E-06	6.57E-12	1.98E-11	1.57E-11	1.14E-15	2.75E-14	1.52E-15	3.01219E-14	2.13E-08	8.8824E-06	1.23039E-06	6.72172E-12	4.59766E-15	3.35503E-12	7.64946E-16
611	571230.6	4178679	0.55, 41786	0.64141	0.6715	0.58509	152.95792	62.82263	210.7281	21.78847	14.44714	29.62503	1.94E-08	6.99E-06	9.82E-07	5.99E-12	1.81E-11	1.43E-11	1.04E-15	2.5E-14	1.38E-15	2.74403E-14	1.94E-08	6.986E-06	9.82231E-07	6.1233E-12	4.18834E-15	3.05634E-12	6.96844E-16
612	571270.6	4178679	0.55, 41786	0.5854	0.61191	0.54631	124.65244	57.66905	171.62004	20.54509	12.75642	28.60334	1.81E-08	5.69E-06	9.48E-07	5.59E-12	1.69E-11	1.33E-11	9.67E-16	2.34E-14	1.29E-15	2.56213E-14	1.812E-08	5.6896E-06	9.48352E-07	5.7174E-12	3.9107E-15	2.85374E-12	6.50652E-16
613	571310.6	4178679	0.55, 41786	0.53447	0.5582	0.50849	125.80787	55.1913	171.33448	17.97255	11.70277	24.47635	1.69E-08	5.68E-06	8.12E-07	5.2E-12	1.57E-11	1.24E-11	9E-16	2.17E-14	1.2E-15	2.38475E-14	1.686E-08	5.6801E-06	8.11524E-07	5.32157E-12	3.63995E-15	2.65616E-12	6.05605E-16
614	571350.6	4178679	0.55, 41786	0.48504	0.50906	0.46427	111.39997	53.56601	157.83086	13.925	11.19981	19.72886	1.54E-08	5.23E-06	6.54E-07	4.75E-12	1.43E-11	1.13E-11	8.22E-16	1.99E-14	1.1E-15	2.17736E-14	1.539E-08	5.2324E-06	6.54114E-07	4.85878E-12	3.32341E-15	2.42517E-12	5.5294E-16
615	571390.6	4178679	0.55, 41786	0.44312	0.4655	0.42576	107.51836	51.27371	117.14548	13.43979	10.40254	14.64318	1.41E-08	3.88E-06	4.86E-07	4.36E-12	1.32E-11	1.04E-11	7.54E-16	1.82E-14	1.01E-15	1.99675E-14	1.412E-08	3.8837E-06	4.85525E-07	4.45576E-12	3.04774E-15	2.22401E-12	5.07074E-16
616	571430.6	4178679	0.55, 41786	0.41031	0.42684	0.39928	122.12368	48.88835	136.65658	17.23844	9.36082	18.91196	1.32E-08	4.53E-06	6.27E-07	4.09E-12	1.23E-11	9.74E-12	7.07E-16	1.71E-14	9.43E-16	1.87255E-14	1.324E-08	4.5305E-06	6.27065E-07	4.1786E-12	2.85817E-15	2.08567E-12	4.75534E-16
617	571470.6	4178679	0.55, 41786	0.38401	0.39267	0.38101	130.83453	46.56818	169.29762	18.03085	8.50414	22.62935	1.26E-08	5.61E-06	7.5E-07	3.9E-12	1.18E-11	9.3E-12	6.75E-16	1.63E-14	8.99E-16	1.78685E-14	1.263E-08	5.6125E-06	7.50299E-07	3.98736E-12	2.72736E-15	1.99022E-12	4.5377E-16
618	571510.6	4178679	0.55, 41786	0.35733	0.36026	0.36021	104.69184	43.30646	125.50481	14.57371	7.68103	16.95061	1.19E-08	4.16E-06	5.62E-07	3.69E-12	1.11E-11	8.79E-12	6.38E-16	1.54E-14	8.5E-16	1.68929E-14	1.194E-08	4.1608E-06	5.62024E-07	3.76966E-12	2.57844E-15	1.88156E-12	4.28995E-16
619	571550.6	4178679	0.55, 41786	0.32923	0.33046	0.33426	93.91251	40.06683	115.0705	13.41607	6.60436	16.43864	1.11E-08	3.81E-06	5.45E-07	3.42E-12	1.03E-11	8.16E-12	5.92E-16	1.43E-14	7.89E-16	1.56759E-14	1.108E-08	3.8149E-06	5.45042E-07	3.49807E-12	2.39268E-15	1.746E-12	3.98088E-16
620	571590.6	4178679	0.55, 41786	0.30119	0.30402	0.3057	90.51235	37.8645	108.48539	11.49242	5.95997	13.56067	1.01E-08	3.6E-06	4.5E-07	3.13E-12	9.44E-12	7.46E-12	5.41E-16	1.31E-14	7.22E-16	1.43365E-14	1.014E-08	3.5965E-06	4.49624E-07	3.19919E-12	2.18825E-15	1.59682E-12	3.64075E-16
621	570310.6	4178719	0.55, 41787	0.10285	0.08839	0.09803	86.08959	31.99227	98.88317	10.7612	4.57032	12.3604	3.25E-09	3.28E-06	4.1E-07	1E-12	3.03E-12	2.39E-12	1.74E-16	4.19E-15	2.31E-16	4.59724E-15	3.25E-09	3.2782E-06	4.0983E-07	1.02588E-12	7.01699E-16	5.12048E-13	1.16747E-16
622	570350.6	4178719	0.55, 41787	0.11563	0.10049	0.11012	90.6137	34.18211	105.82439	11.32671	4.88316	13.22805	3.65E-09	3.51E-06	4.39E-07	1.13E-12	3.4E-12	2.69E-12	1.95E-16	4.71E-15	2.6E-16	5.16423E-15	3.651E-09	3.5083E-06	4.38596E-07	1.1524E-12	7.88242E-16	5.752E-13	1.31146E-16
623	570390.6	4178719	0.55, 41787	0.13114	0.11521	0.12472	102.01088	38.97546	110.90458	12.75136	5.08393	13.86307	4.14E-09	3.68E-06	4.6E-07	1.28E-12	3.85E-12	3.04E-12	2.21E-16	5.33E-15	2.94E-16	5.84894E-15	4.135E-09	3.6768E-06	4.59659E-07	1.30519E-12	8.92752E-16	6.51463E-13	1.48534E-16
624	570430.6	4178719	0.55, 41787	0.15	0.13322	0.1425	114.28488	46.41789	135.81295	14.28561	5.80224	16.97662	4.72E-09	4.5E-06	5.63E-07	1.46E-12	4.4E-12	3.48E-12	2.52E-16	6.09E-15	3.36E-16	6.68278E-15	4.725E-09	4.5025E-06	5.62884E-07	1.49126E-12	1.02002E-15	7.44337E-13	1.69709E-16
625	570470.6	4178719	0.55, 41787	0.17288	0.1553	0.16447	122.16306	52.59309	158.80652	15.27038	6.67803	19.85082	5.45E-09	5.26E-06	6.58E-07	1.68E-12	5.08E-12	4.01E-12	2.91E-16	7.03E-15	3.88E-16	7.71311E-15	5.453E-09	5.2648E-06	6.58169E-07	1.72118E-12	1.17729E-15	8.59098E-13	1.95874E-16
626	570510.6	4178719	0.55, 41787	0.1999	0.18201	0.19124	126.87173	56.8638	170.00598	15.85897	8.56143	21.25075	6.34E-09	5.64E-06	7.05E-07	1.96E-12	5.91E-12	4.67E-12	3.39E-16	8.18E-15	4.51E-16	8.96856E-15	6.341E-09	5.6361E-06	7.0458E-07	2.00134E-12	1.36891E-15	9.98931E-13	2.27756E-16
627	570550.6	4178719	0.55, 41787	0.2328	0.21534	0.22528	141.7684	62.68438	190.3461	19.27806	10.36338	23.79326	7.47E-09	6.31E-06	7.89E-07	2.31E-12	6.96E-12	5.5E-12	3.99E-16	9.63E-15	5.32E-16	1.05649E-14	7.47E-09	6.3104E-06	7.88892E-07	2.35757E-12	1.61258E-15	1.17674E-12	2.68296E-16
628	570590.6	4178719	0.55, 41787	0.2704	0.25529	0.2651	152.6333	65.86327	220.26265	21.80476	11.76563	29.62209	8.79E-09	7.3E-06	9.82E-07	2.71E-12	8.19E-12	6.47E-12	4.69E-16	1.13E-14	6.26E-16	1.24324E-14	8.79E-09	7.3021E-06	9.82134E-07	2.77429E-12	1.89761E-15	1.38474E-12	3.1572E-16
629	570630.6	4178719	0.55, 41787	0.31352	0.30328	0.30884	160.25221	70.5161	243.59554	22.89317	12.52474	34.32359	1.02E-08	8.08E-06	1.14E-06	3.16E-12	9.54E-12	7.54E-12	5.47E-16	1.32E-14	7.29E-16	1.44837E-14	1.024E-08	8.0756E-06	1.13799E-06	3.23205E-12	2.21072E-15	1.61322E-12	3.67814E-16
630	570670.6	4178719	0.55, 41787	0.36149	0.3594	0.35242	159.13882	79.23774	228.99362	22.73412	14.05012	31.24302	1.17E-08	7.59E-06	1.04E-06	3.61E-12	1.09E-11	8.6E-12	6.24E-16	1.51E-14	8.32E-16	1.65277E-14	1.169E-08	7.5916E-06	1.03587E-06	3.68815E-12	2.5227E-15	1.84088E-12	4.1972E-16
631	570710.6	4178719	0.55, 41787	0.41184	0.42167	0.39325	168.39934	82.78202	268.08178	23.84947	15.22445	37.49142	1.3E-08	8.89E-06	1.24E-06	4.02E-12	1.21E-11	9.6E-12	6.96E-16	1.68E-14	9.28E-16	1.84427E-14	1.304E-08	8.8874E-06	1.24301E-06	4.1155E-12	2.815E-15	2.05418E-12	4.68353E-16
632	570750.6	4178719	0.55, 41787	0.46631	0.48852	0.43046	193.26616	81.97611	266.60906	24.83922	16.78199	33.32613	1.43E-08	8.84E-06	1.1E-06	4.4E-12	1.33E-11	1.05E-11	7.62E-16	1.84E-14	1.02E-15	2.01882E-14	1.427E-08	8.8386E-06	1.10495E-06	4.50499E-12	3.08142E-15	2.24859E-12	5.12678E-16
633	570790.6	4178719	0.55, 41787	0.5297	0.5627	0.45402	208.56721	92.88706	267.98327	26.09236	23.00092	33.50993	1.51E-08	8.88E-06	1.11E-06	4.65E-12	1.4E-11	1.11E-11	8.04E-16	1.94E-14	1.07E-15	2.12937E-14	1.506E-08	8.8843E-06	1.11105E-06	4.7517E-12	3.25016E-15	2.37172E-12	5.40753E-16
634	570830.6	4178719	0.55, 41787	0.58417	0.63922	0.49731	206.25232	102.59816	258.13483	28.9378	25.69667	32.26685	1.65E-08	8.56E-06	1.07E-06	5.09E-12	1.54E-11	1.21E-11	8.81E-16	2.13E-14	1.17E-15	2.33243E-14	1.649E-08	8.5579E-06	1.06987E-06	5.20482E-12	3.5601E-15	2.59789E-12	5.9232E-16
635	570870.6	4178719	0.55, 41787	0.63384	0.71183	0.60618	208.40577	136.85909	408.7133	28.70976	24.7437	51.08916	2.01E-08	1.35E-05	1.69E-06	6.2E-12	1.87E-11	1.48E-11	1.07E-15	2.59E-14	1.43E-15	2.84295E-14	2.01E-08	1.355E-05	1.6938E-06	6.34405E-12	4.33933E-15	3.16652E-12	7.21966E-16
636	570910.6	4178719	0.55, 41787	0.68401	0.75343	0.58123	211.07044	124.31957	366.90455	30.70854	25.49482	45.86307	1.93E-08	1.22E-05	1.52E-06	5.95E-12	1.8E-11	1.42E-11	1.03E-15	2.49E-14	1.37E-15	2.72603E-14	1.927E-08	1.2164E-05	1.52058E-06	6.08314E-12	4.16087E-15	3.03629E-12	6.92274E-16
637	570950.6	4178719	0.55, 41787	0.69007	0.76497	0.57081	207.10313	108.18225	376.87466	30.79195	24.65468	47.10933	1.89E-08	1.25E-05	1.56E-06	5.84E-12	1.76E-11	1.39E-11	1.01E-15	2.44E-14	1.35E-15	2.67719E-14	1.893E-08	1.2494E-05	1.5619E-06	5.97416E-12	4.08632E-15	2.98189E-12	6.79871E-16
638	570990.6	4178719	0.55, 41787	0.68048	0.74999	0.58632	206.58356	95.47159	294.44278	32.17827	21.60129	36.80535	1.94E-08	9.76E-06	1.22E-06	6E-12	1.81E-11	1.43E-11	1.04E-15	2.51E-14	1.38E-15	2.74989E-14	1.944E-08	9.7614E-06	1.22034E-06	6.13638E-12	4.19729E-15	3.06287E-12	6.98333E-16
639	571030.6	4178719	0.55, 41787	0.66194	0.72353	0.59736	210.3532	86.11281	328.15995	30.372	18.42489	51.15716	1.98E-08	1.09E-05	1.7E-06	6.11E-12	1.85E-11	1.46E-11	1.06E-15	2.55E-14	1.41E-15	2.80162E-14	1.981E-08	1.0879E-05	1.69607E-06	6.25181E-12	4.27624E-15	3.12048E-12	7.11469E-16
640	571070.6	4178719	0.55, 41787	0.64029	0.68839	0.56269	181.70859	76.31707	252.84162	22.73215	15.52213	31.6052	1.87E-08	8.38E-06	1.05E-06	5.76E-12	1.74E-11	1.37E-11	9.96E-16	2.41E-14	1.33E-15	2.63902E-14	1.866E-08	8.3822E-06	1.04788E-06	5.88899E-12	4.02807E-15	2.93938E-12	6.70179E-16
641	571110.6	4178719	0.55, 41787	0.60626	0.64543	0.53034	207.95149	70.27092	268.27126	26.16426	14.32632	33.53391	1.76E-08	8.89E-06	1.11E-06	5.43E-12	1.64E-11	1.29E-11	9.39E-16	2.27E-14	1.25E-15	2.4873E-14	1.759E-08	8.8936E-06	1.11185E-06	5.55041E-12	3.79648E-15	2.77039E-12	6.31649E-16
642	571150.6	4178719	0.55, 41787	0.57256	0.60327	0.52806	200.64391	66.12781	289.68563	25.68735	14.52342	36.23202	1.75E-08	9.6E-06	1.2E-06	5.4E-12	1.63E-11	1.29E-11	9.35E-16	2.26E-14	1.25E-15	2.47656E-14	1.751E-08	9.6034E-06	1.20128E-06	5.52644E-12	3.78009E-15	2.75842E-12	6.2892E-16
643	571190.6	4178719	0.55, 41787	0.53842	0.56251	0.50995	154.3512	63.9477	213.38711	22.19645	14.00077	30.48387	1.69E-08	7.07E-06	1.01E-06	5.22E-12	1.58E-11	1.24E-11	9.03E-16	2.18E-14	1.2E-15	2.3916E-14	1.691E-08	7.0742E-06	1.0107E-06	5.33685E-12	3.65041E-15	2.66379E-12	6.07345E-16
644	571230.6	4178719	0.55, 41787	0.49735	0.52247	0.4676	159.72675	60.41971	199.28282	22.34048	12.75874	27.30767	1.55E-08	6.61E-06	9.05E-07	4.78E-12	1.44E-11	1.14E-11	8.28E-16	2E-14	1.1E-15	2.19299E-14	1.551E-08	6.6066E-06	9.05418E-07	4.89366E-12	3.34726E-15	2.44258E-12	5.56909E-16
645	571270.6	4178719	0.55, 41787	0.45612	0.4836	0.42898	144.14128	55.22387	195.55309	20.17616	11.51496	26.9261	1.42E-08	6.48E-06	8.93E-07	4.39E-12	1.33E-11	1.05E-11	7.6E-16	1.83E-14	1.01E-15	2.01187E-14	1.422E-08	6.4829E-06	8.9275E-07	4.48949E-12	3.07081E-15	2.24085E-12	5.10914E-16
646	571310.6	4178719	0.55, 41787	0.42006	0.44717	0.39945	118.44349	52.26024	154.81704	17.97136	10.56882	25.80284	1.32E-08	5.13E-06	8.55E-07	4.09E-12	1.23E-11	9.75E-12	7.07E-16	1.71E-14	9.43E-16	1.87337E-14	1.325E-08	5.1325E-06	8.55495E-07	4.18044E-12	2.85942E-15	2.08659E-12	4.75743E-16
647	571350.6	4178719	0.55, 41787	0.38785	0.41385	0.37184	109.17018	50.24459	147.83356	14.07795	10.0186	18.4792	1.23E-08	4.9E-06	6.13E-07	3.8E-12	1.15E-11	9.07E-12	6.58E-16	1.59E-14	8.78E-16	1.74388E-14	1.233E-08	4.901E-06	6.12691E-07	3.89148E-12	2.66177E-15	1.94236E-12	4.42858E-16
648	571390.6	4178719	0.55, 41787	0.35875	0.38356	0.34391	87.70597	48.80309	113.13015	10.96325	9.64341	14.14127	1.14E-08	3.75E-06	4.69E-07	3.52E-12	1.06E-11	8.39E-12	6.09E-16	1.47E-14	8.12E-16	1.6129E-14	1.14E-08	3.7506E-06	4.68865E-07	3.59918E-12	2.46184E-15	1.79647E-12	4.09594E-16
649	571430.6	4178719	0.55, 41787	0.33385	0.35563	0.32061	80.9107	47.09106	69.47289	11.59229	8.99084	10.76512	1.06E-08	2.3E-06	3.57E-07	3.28E-12	9.91E-12	7.82E-12	5.68E-16	1.37E-14	7.57E-16	1.50362E-14	1.063E-08	2.3034E-06	3.56956E-07	3.35533E-12	2.29505E-15	1.67475E-12	3.81844E-16
650	571470.6	4178719	0.55, 41787	0.31507	0.33052	0.30587	111.40642	45.19171	126.48359	15.57659	8.16367	17.53078	1.01E-08	4.19E-06	5.81E-07	3.13E-12	9.45E-12	7.46E-12	5.42E-16	1.31E-14	7.22E-16	1.43448E-14	1.014E-08	4.1932E-06	5.81265E-07	3.20105E-12	2.18952E-15	1.59774E-12	3.64286E-16
651	571510.6	4178719	0.55, 41787	0.29891	0.30701	0.29518	116.70467	43.07153	146.87884	15.95519	7.46065	19.6972	9.79E-09	4.87E-06	6.53E-07	3.02E-12	9.12E-12	7.2E-12	5.23E-16	1.26E-14	6.97E-16	1.38433E-14	9.788E-09	4.8693E-06	6.53083E-07	3.08914E-12	2.11297E-15	1.54189E-12	3.5155E-16
652	571550.6	4178719	0.55, 41787	0.28299	0.28542	0.28355	93.20798	40.2806	109.70993	12.81909	6.80365	14.78577	9.4E-09	3.64E-06	4.9E-07	2.9E-12	8.76E-12	6.92E-12	5.02E-16	1.21E-14	6.69E-16	1.32978E-14	9.402E-09	3.6372E-06	4.90246E-07	2.9674E-12	2.0297E-15	1.48112E-12	3.37696E-16
653	571590.6	4178719	0.55, 41787	0.2649	0.26495	0.26753	84.18961	37.57199	100.50298	12.02709	5.93847	14.35757	8.87E-09	3.33E-06	4.76E-07	2.74E-12	8.27E-12	6.53E-12	4.74E-16	1.14E-14	6.32E-16	1.25464E-14	8.871E-09	3.3319E-06	4.76045E-07	2.79974E-12	1.91502E-15	1.39744E-12	3.18616E-16
654	570310.6	4178759	0.55, 41787	0.10291	0.08971	0.0989	86.89901	32.22927	93.76167	10.86238	4.40505	11.72021	3.28E-09	3.11E-06	3.89E-07	1.01E-12	3.06E-12	2.41E-12	1.75E-16	4.23E-15	2.33E-16	4.63805E-15	3.279E-09	3.1084E-06	3.88609E-07	1.03498E-12	7.07928E-16	5.16593E-13	1.17783E-16
655	570350.6	4178759	0.55, 41787	0.11544	0.10167	0.11074	97.89636	38.6449	111.66772	12.23704	4.83061	13.95846	3.67E-09	3.7E-06	4.63E-07	1.13E-12	3.42E-12	2.7E-12	1.96E-16	4.74E-15	2.61E-16	5.19332E-15	3.672E-09	3.7021E-06	4.62817E-07	1.15889E-12	7.92681E-16	5.78439E-13	1.31884E-16
656	570390.6	4178759	0.55, 41787	0.13027	0.11595	0.12485	105.67733	44.34348	129.76492	13.20967	5.54293	16.22061	4.14E-09	4.3E-06	5.38E-07	1.28E-12	3.86E-12	3.05E-12	2.21E-16	5.34E-15	2.95E-16	5.85504E-15	4.14E-09	4.302E-06	5.37813E-07	1.30655E-12	8.93683E-16	6.52143E-13	1.48689E-16
657	570430.6	4178759	0.55, 41787	0.14773	0.133	0.14184	109.21499	48.49986	141.11126	13.65187	6.24447	17.63891	4.7E-09	4.68E-06	5.85E-07	1.45E-12	4.38E-12	3.46E-12	2.51E-16	6.07E-15	3.35E-16	6.65183E-15	4.703E-09	4.6782E-06	5.84832E-07	1.48436E-12	1.0153E-15	7.4089E-13	1.68923E-16
658	570470.6	4178759	0.55, 41787	0.16767	0.15301	0.16202	117.79795	52.53636	140.35154	14.72474	7.71399	17.54394	5.37E-09	4.65E-06	5.82E-07	1.66E-12	5.01E-12	3.95E-12	2.87E-16	6.93E-15	3.82E-16	7.59821E-15	5.372E-09	4.653E-06	5.81694E-07	1.69554E-12	1.15975E-15	8.463E-13	1.92956E-16
659	570510.6	4178759	0.55, 41787	0.191	0.17712	0.1864	128.29828	56.17436	171.94141	17.6792	9.03197	21.49268	6.18E-09	5.7E-06	7.13E-07	1.91E-12	5.76E-12	4.55E-12	3.3E-16	7.97E-15	4.4E-16	8.74157E-15	6.181E-09	5.7002E-06	7.12616E-07	1.95068E-12	1.33427E-15	9.73649E-13	2.21992E-16
660	570550.6	4178759	0.55, 41787	0.21672	0.20498	0.21341	137.63049	58.52483	184.29573	19.6615	9.95092	26.17497	7.08E-09	6.11E-06	8.68E-07	2.18E-12	6.59E-12	5.21E-12	3.78E-16	9.13E-15	5.04E-16	1.00083E-14	7.076E-09	6.1098E-06	8.67846E-07	2.23335E-12	1.52761E-15	1.11474E-12	2.5416E-16
661	570590.6	4178759	0.55, 41787	0.24504	0.23724	0.24166	142.23889	62.68425	205.21483	20.31984	10.25836	28.57469	8.01E-09	6.8E-06	9.47E-07	2.47E-12	7.47E-12	5.9E-12	4.28E-16	1.03E-14	5.7E-16	1.13332E-14	8.013E-09	6.8033E-06	9.474E-07	2.529E-12	1.72984E-15	1.26231E-12	2.87806E-16
662	570630.6	4178759	0.55, 41787	0.27554	0.27375	0.26892	139.19636	70.02218	188.40794	19.61007	11.07526	25.7042	8.92E-09	6.25E-06	8.52E-07	2.75E-12	8.31E-12	6.56E-12	4.76E-16	1.15E-14	6.35E-16	1.26117E-14	8.917E-09	6.2462E-06	8.52241E-07	2.81431E-12	1.92499E-15	1.40471E-12	3.20274E-16
663	570670.6	4178759	0.55, 41787	0.30614	0.31293	0.29402	149.31547	72.47289	221.2081	21.10931	12.07881	31.37185	9.75E-09	7.33E-06	1.04E-06	3.01E-12	9.08E-12	7.18E-12	5.21E-16	1.26E-14	6.94E-16	1.3789E-14	9.749E-09	7.3335E-06	1.04013E-06	3.07702E-12	2.10468E-15	1.53584E-12	3.50171E-16
664	570710.6	4178759	0.55, 41787	0.33494	0.35231	0.31792	164.794	71.08708	213.69891	21.55176	13.08376	26.71236	1.05E-08	7.08E-06	8.86E-07	3.25E-12	9.82E-12	7.76E-12	5.63E-16	1.36E-14	7.51E-16	1.491E-14	1.054E-08	7.0846E-06	8.85677E-07	3.32718E-12	2.27579E-15	1.6607E-12	3.7864E-16
665	570750.6	4178759	0.55, 41787	0.36674	0.3924	0.33661	179.38877	78.60477	216.64393	22.4236	16.36841	27.08049	1.12E-08	7.18E-06	8.98E-07	3.44E-12	1.04E-11	8.21E-12	5.96E-16	1.44E-14	7.95E-16	1.57868E-14	1.116E-08	7.1823E-06	8.97888E-07	3.52283E-12	2.40962E-15	1.75836E-12	4.00906E-16
666	570790.6	4178759	0.55, 41787	0.40357	0.43625	0.34677	166.36606	82.34558	242.62848	21.7564	19.87746	30.35713	1.15E-08	8.04E-06	1.01E-06	3.55E-12	1.07E-11	8.46E-12	6.14E-16	1.48E-14	8.19E-16	1.62637E-14	1.15E-08	8.0437E-06	1.0065E-06	3.62925E-12	2.48241E-15	1.81148E-12	4.13016E-16
667	570830.6	4178759	0.55, 41787	0.43354	0.48203	0.39259	188.6599	98.62945	246.30784	24.95504	19.43466	30.78848	1.3E-08	8.17E-06	1.02E-06	4.02E-12	1.21E-11	9.58E-12	6.95E-16	1.68E-14	9.27E-16	1.84125E-14	1.302E-08	8.1658E-06	1.02083E-06	4.10876E-12	2.81039E-15	2.05081E-12	4.67586E-16
668	570870.6	4178759	0.55, 41787	0.46387	0.52331	0.45582	172.12292	120.25167	329.63715	21.51536	18.67269	41.20464	1.51E-08	1.09E-05	1.37E-06	4.66E-12	1.41E-11	1.11E-11	8.07E-16	1.95E-14	1.08E-15	2.13775E-14	1.511E-08	1.0928E-05	1.36608E-06	4.77041E-12	3.26296E-15	2.38106E-12	5.42882E-16
669	570910.6	4178759	0.55, 41787	0.49085	0.54778	0.42691	176.15826	108.72169	296.15879	23.43896	19.655	37.01985	1.42E-08	9.82E-06	1.23E-06	4.37E-12	1.32E-11	1.04E-11	7.56E-16	1.83E-14	1.01E-15	2.00224E-14	1.416E-08	9.8183E-06	1.22738E-06	4.46801E-12	3.05612E-15	2.23013E-12	5.08469E-16
670	570950.6	4178759	0.55, 41787	0.48762	0.55475	0.41816	180.46301	97.04885	324.78811	24.36206	20.46933	40.59851	1.39E-08	1.08E-05	1.35E-06	4.28E-12	1.29E-11	1.02E-11	7.4E-16	1.79E-14	9.87E-16	1.96123E-14	1.387E-08	1.0767E-05	1.34601E-06	4.37649E-12	2.99352E-15	2.18444E-12	4.98053E-16
671	570990.6	4178759	0.55, 41787	0.49051	0.55159	0.43765	151.23194	87.28492	222.11928	25.20532	17.38113	28.62893	1.45E-08	7.36E-06	9.49E-07	4.48E-12	1.35E-11	1.07E-11	7.75E-16	1.87E-14	1.03E-15	2.0526E-14	1.451E-08	7.3638E-06	9.49243E-07	4.58039E-12	3.13299E-15	2.28622E-12	5.21258E-16
672	571030.6	4178759	0.55, 41787	0.48428	0.53663	0.45626	187.58168	78.86438	272.43541	28.06386	15.68835	45.4059	1.51E-08	9.03E-06	1.51E-06	4.67E-12	1.41E-11	1.11E-11	8.08E-16	1.95E-14	1.08E-15	2.13984E-14	1.513E-08	9.0317E-06	1.5054E-06	4.77505E-12	3.26613E-15	2.38338E-12	5.43411E-16
673	571070.6	4178759	0.55, 41787	0.467	0.51625	0.43604	163.79974	72.83551	258.94072	22.54296	13.46245	32.36759	1.45E-08	8.58E-06	1.07E-06	4.46E-12	1.35E-11	1.06E-11	7.72E-16	1.86E-14	1.03E-15	2.04501E-14	1.446E-08	8.5843E-06	1.07315E-06	4.56345E-12	3.1214E-15	2.27776E-12	5.1933E-16
674	571110.6	4178759	0.55, 41787	0.44755	0.4933	0.39624	157.0432	65.36033	149.25903	19.63651	11.35189	22.10234	1.31E-08	4.95E-06	7.33E-07	4.05E-12	1.22E-11	9.67E-12	7.02E-16	1.69E-14	9.35E-16	1.85838E-14	1.314E-08	4.9484E-06	7.32844E-07	4.14698E-12	2.83654E-15	2.06989E-12	4.71935E-16
675	571150.6	4178759	0.55, 41787	0.4302	0.46818	0.38775	183.98767	62.14189	232.46693	23.05685	11.54043	29.05837	1.29E-08	7.71E-06	9.63E-07	3.97E-12	1.2E-11	9.46E-12	6.87E-16	1.66E-14	9.15E-16	1.81854E-14	1.286E-08	7.7067E-06	9.63458E-07	4.05809E-12	2.77573E-15	2.02552E-12	4.61819E-16
676	571190.6	4178759	0.55, 41787	0.41561	0.44245	0.39452	166.33485	59.4631	232.20811	21.02615	11.70076	29.03347	1.31E-08	7.7E-06	9.63E-07	4.04E-12	1.22E-11	9.63E-12	6.99E-16	1.69E-14	9.31E-16	1.85025E-14	1.308E-08	7.698E-06	9.62615E-07	4.12885E-12	2.82413E-15	2.06084E-12	4.69871E-16
677	571230.6	4178759	0.55, 41787	0.39577	0.41616	0.38297	133.04594	57.55284	174.38403	19.00656	11.25795	24.912	1.27E-08	5.78E-06	8.26E-07	3.92E-12	1.18E-11	9.35E-12	6.78E-16	1.64E-14	9.04E-16	1.79607E-14	1.27E-08	5.7812E-06	8.25975E-07	4.00793E-12	2.74143E-15	2.00049E-12	4.56111E-16
678	571270.6	4178759	0.55, 41787	0.36933	0.38979	0.3568	133.93343	52.76944	163.09994	18.49966	10.32502	20.38749	1.18E-08	5.41E-06	6.76E-07	3.65E-12	1.1E-11	8.71E-12	6.32E-16	1.53E-14	8.42E-16	1.67334E-14	1.183E-08	5.4071E-06	6.75988E-07	3.73406E-12	2.5541E-15	1.86379E-12	4.24944E-16
679	571310.6	4178759	0.55, 41787	0.3411	0.36413	0.32902	131.1619	50.25063	168.23883	18.11843	9.56125	22.87944	1.09E-08	5.58E-06	7.59E-07	3.37E-12	1.02E-11	8.03E-12	5.83E-16	1.41E-14	7.77E-16	1.54306E-14	1.091E-08	5.5774E-06	7.5859E-07	3.44334E-12	2.35525E-15	1.71868E-12	3.91859E-16
680	571350.6	4178759	0.55, 41787	0.31543	0.34037	0.30452	103.20737	47.94128	136.71003	14.62528	9.08266	18.8743	1.01E-08	4.53E-06	6.26E-07	3.12E-12	9.41E-12	7.43E-12	5.39E-16	1.3E-14	7.19E-16	1.42816E-14	1.01E-08	4.5323E-06	6.25793E-07	3.18695E-12	2.17987E-15	1.59071E-12	3.62681E-16
681	571390.6	4178759	0.55, 41787	0.29206	0.31801	0.28181	95.20975	46.26011	128.00267	11.90122	8.7596	16.00033	9.34E-09	4.24E-06	5.3E-07	2.88E-12	8.71E-12	6.88E-12	4.99E-16	1.21E-14	6.65E-16	1.32166E-14	9.345E-09	4.2436E-06	5.30499E-07	2.94928E-12	2.01731E-15	1.47208E-12	3.35635E-16
682	571430.6	4178759	0.55, 41787	0.27184	0.29676	0.26169	65.82255	44.97926	77.28464	8.48847	8.42183	11.06277	8.68E-09	2.56E-06	3.67E-07	2.68E-12	8.08E-12	6.39E-12	4.63E-16	1.12E-14	6.18E-16	1.2273E-14	8.677E-09	2.5623E-06	3.66794E-07	2.73872E-12	1.87329E-15	1.36698E-12	3.11672E-16
683	571470.6	4178759	0.55, 41787	0.25781	0.27877	0.24855	74.19853	43.62462	66.74746	10.92817	7.8818	10.16339	8.24E-09	2.21E-06	3.37E-07	2.54E-12	7.68E-12	6.07E-12	4.4E-16	1.06E-14	5.87E-16	1.16567E-14	8.242E-09	2.213E-06	3.37003E-07	2.6012E-12	1.77922E-15	1.29834E-12	2.96022E-16
684	571510.6	4178759	0.55, 41787	0.24715	0.26193	0.24035	102.14842	42.0514	116.58455	14.2101	7.23025	16.16505	7.97E-09	3.87E-06	5.36E-07	2.46E-12	7.43E-12	5.87E-12	4.26E-16	1.03E-14	5.67E-16	1.1272E-14	7.97E-09	3.8651E-06	5.35981E-07	2.51536E-12	1.72051E-15	1.2555E-12	2.86253E-16
685	571550.6	4178759	0.55, 41787	0.23772	0.24585	0.23427	104.82233	40.15762	128.89855	14.31586	6.66643	17.41071	7.77E-09	4.27E-06	5.77E-07	2.4E-12	7.24E-12	5.72E-12	4.15E-16	1E-14	5.53E-16	1.09868E-14	7.768E-09	4.2733E-06	5.77274E-07	2.4517E-12	1.67697E-15	1.22372E-12	2.79009E-16
686	571590.6	4178759	0.55, 41787	0.22808	0.23097	0.22747	83.60184	37.747	96.99907	11.46846	6.12919	13.15855	7.54E-09	3.22E-06	4.36E-07	2.33E-12	7.03E-12	5.55E-12	4.03E-16	9.73E-15	5.37E-16	1.06678E-14	7.542E-09	3.2158E-06	4.36294E-07	2.38052E-12	1.62828E-15	1.18819E-12	2.70908E-16
687	570310.6	4178799	0.55, 41787	0.10253	0.09048	0.09887	92.22772	37.68456	108.42661	11.52846	4.71057	13.55333	3.28E-09	3.59E-06	4.49E-07	1.01E-12	3.05E-12	2.41E-12	1.75E-16	4.23E-15	2.33E-16	4.63665E-15	3.278E-09	3.5946E-06	4.49381E-07	1.03467E-12	7.07714E-16	5.16437E-13	1.17748E-16
688	570350.6	4178799	0.55, 41787	0.11434	0.10195	0.11024	96.42289	41.82094	119.06345	12.05286	5.22762	14.88293	3.66E-09	3.95E-06	4.93E-07	1.13E-12	3.41E-12	2.69E-12	1.95E-16	4.71E-15	2.6E-16	5.16988E-15	3.655E-09	3.9472E-06	4.9346E-07	1.15366E-12	7.89103E-16	5.75828E-13	1.31289E-16
689	570390.6	4178799	0.55, 41787	0.12785	0.11532	0.12365	96.70849	44.28794	121.57528	12.08856	5.83168	15.19691	4.1E-09	4.03E-06	5.04E-07	1.27E-12	3.82E-12	3.02E-12	2.19E-16	5.29E-15	2.92E-16	5.79877E-15	4.1E-09	4.0305E-06	5.03869E-07	1.294E-12	8.85094E-16	6.45875E-13	1.4726E-16
690	570430.6	4178799	0.55, 41787	0.14288	0.13064	0.13911	109.4746	48.39009	132.26529	13.83026	6.97525	16.53316	4.61E-09	4.38E-06	5.48E-07	1.42E-12	4.3E-12	3.39E-12	2.46E-16	5.95E-15	3.28E-16	6.5238E-15	4.613E-09	4.3849E-06	5.48179E-07	1.45579E-12	9.95759E-16	7.2663E-13	1.65672E-16
691	570470.6	4178799	0.55, 41787	0.15993	0.14857	0.15692	116.3647	50.80214	153.38363	16.31235	7.92735	19.17295	5.2E-09	5.08E-06	6.36E-07	1.61E-12	4.85E-12	3.83E-12	2.78E-16	6.71E-15	3.7E-16	7.35904E-15	5.203E-09	5.085E-06	6.35708E-07	1.64217E-12	1.12325E-15	8.19661E-13	1.86883E-16
692	570510.6	4178799	0.55, 41787	0.17816	0.16871	0.17591	124.77861	52.11481	162.22151	17.82552	8.49382	23.1745	5.83E-09	5.38E-06	7.68E-07	1.8E-12	5.43E-12	4.29E-12	3.11E-16	7.52E-15	4.15E-16	8.24964E-15	5.833E-09	5.378E-06	7.68368E-07	1.84091E-12	1.25918E-15	9.18856E-13	2.09499E-16
693	570550.6	4178799	0.55, 41787	0.19752	0.19131	0.19507	126.89522	56.18657	175.78093	18.12789	8.51005	24.21863	6.47E-09	5.83E-06	8.03E-07	2E-12	6.03E-12	4.76E-12	3.45E-16	8.34E-15	4.61E-16	9.14823E-15	6.468E-09	5.8275E-06	8.02982E-07	2.04143E-12	1.39634E-15	1.01894E-12	2.32319E-16
694	570590.6	4178799	0.55, 41787	0.21773	0.21627	0.21308	122.68072	62.5324	158.46837	17.14296	9.80776	21.67538	7.07E-09	5.25E-06	7.19E-07	2.18E-12	6.58E-12	5.2E-12	3.77E-16	9.11E-15	5.03E-16	9.99293E-15	7.065E-09	5.2537E-06	7.18668E-07	2.22993E-12	1.52527E-15	1.11303E-12	2.5377E-16
695	570630.6	4178799	0.55, 41787	0.23771	0.24268	0.22932	133.9153	64.36556	188.20796	18.95021	10.72759	26.70167	7.6E-09	6.24E-06	8.85E-07	2.35E-12	7.08E-12	5.6E-12	4.06E-16	9.81E-15	5.41E-16	1.07547E-14	7.604E-09	6.2395E-06	8.85299E-07	2.39991E-12	1.64154E-15	1.19787E-12	2.73115E-16
696	570670.6	4178799	0.55, 41787	0.25595	0.26895	0.24514	141.94782	63.09907	182.20008	19.13844	10.57117	23.96944	8.13E-09	6.04E-06	7.95E-07	2.51E-12	7.57E-12	5.98E-12	4.34E-16	1.05E-14	5.79E-16	1.14967E-14	8.129E-09	6.0404E-06	7.94731E-07	2.56549E-12	1.7548E-15	1.28052E-12	2.91959E-16
697	570710.6	4178799	0.55, 41787	0.27273	0.29382	0.2595	157.12572	66.69563	192.86918	19.64072	11.93189	24.10865	8.6E-09	6.39E-06	7.99E-07	2.66E-12	8.02E-12	6.33E-12	4.59E-16	1.11E-14	6.13E-16	1.21703E-14	8.605E-09	6.3941E-06	7.9935E-07	2.7158E-12	1.85761E-15	1.35554E-12	3.09064E-16
698	570750.6	4178799	0.55, 41787	0.29355	0.31916	0.26739	152.65771	72.44297	180.42039	19.08221	15.18472	22.55534	8.87E-09	5.98E-06	7.48E-07	2.74E-12	8.26E-12	6.53E-12	4.73E-16	1.14E-14	6.31E-16	1.25405E-14	8.867E-09	5.9814E-06	7.47855E-07	2.79842E-12	1.91412E-15	1.39678E-12	3.18466E-16
699	570790.6	4178799	0.55, 41787	0.31688	0.34759	0.27611	157.73005	72.26845	195.86787	20.13646	16.34526	24.48348	9.16E-09	6.49E-06	8.12E-07	2.83E-12	8.53E-12	6.74E-12	4.89E-16	1.18E-14	6.52E-16	1.29497E-14	9.156E-09	6.4935E-06	8.1178E-07	2.88973E-12	1.97658E-15	1.44236E-12	3.28858E-16
700	570830.6	4178799	0.55, 41787	0.33524	0.37796	0.31984	162.23746	94.66133	234.71664	21.09567	14.73083	29.33958	1.06E-08	7.78E-06	9.73E-07	3.27E-12	9.88E-12	7.81E-12	5.66E-16	1.37E-14	7.55E-16	1.50003E-14	1.061E-08	7.7815E-06	9.72762E-07	3.34733E-12	2.28958E-15	1.67076E-12	3.80933E-16
701	570870.6	4178799	0.55, 41787	0.35595	0.40358	0.35265	158.80625	107.46352	263.60655	19.85078	16.70272	32.95082	1.17E-08	8.74E-06	1.09E-06	3.61E-12	1.09E-11	8.61E-12	6.24E-16	1.51E-14	8.33E-16	1.65389E-14	1.169E-08	8.7393E-06	1.09246E-06	3.69067E-12	2.52442E-15	1.84213E-12	4.20006E-16
702	570910.6	4178799	0.55, 41787	0.3676	0.41723	0.32417	150.41188	96.98395	247.06251	18.80149	15.72408	30.88281	1.07E-08	8.19E-06	1.02E-06	3.32E-12	1E-11	7.91E-12	5.74E-16	1.39E-14	7.65E-16	1.52039E-14	1.075E-08	8.1907E-06	1.0239E-06	3.39274E-12	2.32064E-15	1.69343E-12	3.86101E-16
703	570950.6	4178799	0.55, 41787	0.34637	0.40141	0.30552	159.46188	87.41269	275.63404	19.93273	16.48069	34.45425	1.01E-08	9.14E-06	1.14E-06	3.13E-12	9.44E-12	7.46E-12	5.41E-16	1.31E-14	7.21E-16	1.43292E-14	1.013E-08	9.1378E-06	1.1423E-06	3.19758E-12	2.18714E-15	1.59601E-12	3.63891E-16
704	570990.6	4178799	0.55, 41787	0.35579	0.40756	0.32647	119.48057	79.68844	146.33228	17.5796	14.60553	25.33485	1.08E-08	4.85E-06	8.4E-07	3.34E-12	1.01E-11	7.97E-12	5.78E-16	1.4E-14	7.71E-16	1.53116E-14	1.083E-08	4.8515E-06	8.39979E-07	3.41678E-12	2.33708E-15	1.70542E-12	3.88837E-16
705	571030.6	4178799	0.55, 41787	0.37225	0.416	0.35619	155.14917	72.93395	196.55996	24.86673	12.948	30.87431	1.18E-08	6.52E-06	1.02E-06	3.64E-12	1.1E-11	8.69E-12	6.31E-16	1.52E-14	8.41E-16	1.67051E-14	1.181E-08	6.5165E-06	1.02367E-06	3.72775E-12	2.54978E-15	1.86064E-12	4.24225E-16
706	571070.6	4178799	0.55, 41787	0.3594	0.40135	0.34666	158.59146	67.81733	220.83512	22.65592	11.74555	33.70367	1.15E-08	7.32E-06	1.12E-06	3.55E-12	1.07E-11	8.46E-12	6.14E-16	1.48E-14	8.18E-16	1.62581E-14	1.149E-08	7.3211E-06	1.11744E-06	3.628E-12	2.48155E-15	1.81085E-12	4.12874E-16
707	571110.6	4178799	0.55, 41787	0.34191	0.38638	0.31575	133.9595	62.41991	198.12185	16.74494	10.40332	24.76523	1.05E-08	6.57E-06	8.21E-07	3.23E-12	9.76E-12	7.71E-12	5.59E-16	1.35E-14	7.45E-16	1.48087E-14	1.047E-08	6.5681E-06	8.21089E-07	3.30456E-12	2.26032E-15	1.64941E-12	3.76066E-16
708	571150.6	4178799	0.55, 41787	0.32926	0.37153	0.29721	140.52662	58.47073	122.49716	17.56829	9.74512	16.40698	9.86E-09	4.06E-06	5.44E-07	3.04E-12	9.18E-12	7.25E-12	5.26E-16	1.27E-14	7.02E-16	1.39393E-14	9.855E-09	4.0612E-06	5.44031E-07	3.11055E-12	2.12762E-15	1.55258E-12	3.53987E-16
709	571190.6	4178799	0.55, 41787	0.32393	0.35615	0.30055	162.80337	55.99612	201.90064	20.37225	9.46414	25.23758	9.97E-09	6.69E-06	8.37E-07	3.08E-12	9.29E-12	7.33E-12	5.32E-16	1.29E-14	7.1E-16	1.40957E-14	9.966E-09	6.6934E-06	8.3678E-07	3.14545E-12	2.15149E-15	1.57E-12	3.57959E-16
710	571230.6	4178799	0.55, 41787	0.31732	0.33876	0.30501	141.0743	54.42569	191.70239	17.72831	9.52966	23.96639	1.01E-08	6.36E-06	7.95E-07	3.12E-12	9.42E-12	7.44E-12	5.4E-16	1.3E-14	7.2E-16	1.43046E-14	1.011E-08	6.3553E-06	7.94617E-07	3.19207E-12	2.18338E-15	1.59326E-12	3.63264E-16
711	571270.6	4178799	0.55, 41787	0.30415	0.32027	0.29829	116.54381	51.24633	144.90939	16.64912	9.13765	20.70134	9.89E-09	4.8E-06	6.86E-07	3.05E-12	9.22E-12	7.28E-12	5.28E-16	1.28E-14	7.04E-16	1.39893E-14	9.891E-09	4.8041E-06	6.86375E-07	3.12171E-12	2.13525E-15	1.55815E-12	3.55257E-16
712	571310.6	4178799	0.55, 41787	0.28608	0.30211	0.28212	111.77517	48.08718	136.31939	15.28029	8.60329	17.73191	9.35E-09	4.52E-06	5.88E-07	2.89E-12	8.72E-12	6.88E-12	4.99E-16	1.21E-14	6.66E-16	1.32309E-14	9.355E-09	4.5193E-06	5.8793E-07	2.95248E-12	2.0195E-15	1.47368E-12	3.35999E-16
713	571350.6	4178799	0.55, 41787	0.26522	0.28423	0.2608	116.94553	46.1941	139.01017	15.97517	8.23917	19.97796	8.65E-09	4.61E-06	6.62E-07	2.67E-12	8.06E-12	6.36E-12	4.62E-16	1.12E-14	6.16E-16	1.22311E-14	8.648E-09	4.6085E-06	6.6239E-07	2.72938E-12	1.86689E-15	1.36232E-12	3.10609E-16
714	571390.6	4178799	0.55, 41787	0.24309	0.26586	0.23735	101.64822	44.37475	130.479	13.96186	7.97488	17.70328	7.87E-09	4.33E-06	5.87E-07	2.43E-12	7.33E-12	5.79E-12	4.2E-16	1.02E-14	5.6E-16	1.11314E-14	7.87E-09	4.3257E-06	5.86969E-07	2.48398E-12	1.69904E-15	1.23983E-12	2.82682E-16
715	571430.6	4178799	0.55, 41787	0.22645	0.25105	0.21957	78.66707	42.96369	101.00422	10.22882	7.75525	13.14754	7.28E-09	3.35E-06	4.36E-07	2.25E-12	6.78E-12	5.36E-12	3.89E-16	9.39E-15	5.18E-16	1.02976E-14	7.281E-09	3.3486E-06	4.35918E-07	2.29792E-12	1.57178E-15	1.14696E-12	2.61508E-16
716	571470.6	4178799	0.55, 41787	0.21325	0.23694	0.20607	47.64153	41.84289	57.10773	7.70461	7.45296	10.06314	6.83E-09	1.89E-06	3.34E-07	2.11E-12	6.37E-12	5.03E-12	3.65E-16	8.81E-15	4.86E-16	9.66451E-15	6.833E-09	1.8934E-06	3.33651E-07	2.15664E-12	1.47514E-15	1.07645E-12	2.4543E-16
717	571510.6	4178799	0.55, 41787	0.20623	0.22585	0.19985	71.44774	40.73398	67.79843	10.29216	7.00806	9.90291	6.63E-09	2.25E-06	3.28E-07	2.04E-12	6.17E-12	4.88E-12	3.54E-16	8.55E-15	4.72E-16	9.37275E-15	6.627E-09	2.2478E-06	3.28363E-07	2.09153E-12	1.43061E-15	1.04395E-12	2.38021E-16
718	571550.6	4178799	0.55, 41787	0.19818	0.21228	0.19356	94.10249	39.35835	107.36049	13.01678	6.4744	14.79864	6.42E-09	3.56E-06	4.91E-07	1.98E-12	5.98E-12	4.72E-12	3.43E-16	8.28E-15	4.57E-16	9.07768E-15	6.418E-09	3.5593E-06	4.90675E-07	2.02569E-12	1.38557E-15	1.01108E-12	2.30527E-16
719	571590.6	4178799	0.55, 41787	0.19254	0.20073	0.18997	94.76849	37.66806	114.23818	12.95063	6.01952	15.50303	6.3E-09	3.79E-06	5.14E-07	1.94E-12	5.87E-12	4.64E-12	3.36E-16	8.12E-15	4.48E-16	8.90922E-15	6.299E-09	3.7872E-06	5.14024E-07	1.9881E-12	1.35986E-15	9.92322E-13	2.26249E-16
720	570310.6	4178839	0.55, 41788	0.10118	0.0904	0.098	86.93136	38.98232	105.93151	10.86642	4.87279	13.24144	3.25E-09	3.51E-06	4.39E-07	1E-12	3.03E-12	2.39E-12	1.74E-16	4.19E-15	2.31E-16	4.59586E-15	3.249E-09	3.5119E-06	4.39036E-07	1.02557E-12	7.01488E-16	5.11893E-13	1.16712E-16
721	570350.6	4178839	0.55, 41788	0.1118	0.10104	0.10874	92.10266	41.60712	103.12867	11.51283	5.43734	12.89108	3.61E-09	3.42E-06	4.27E-07	1.11E-12	3.36E-12	2.65E-12	1.93E-16	4.65E-15	2.57E-16	5.09953E-15	3.606E-09	3.419E-06	4.27428E-07	1.13796E-12	7.78367E-16	5.67994E-13	1.29503E-16
722	570390.6	4178839	0.55, 41788	0.12335	0.11299	0.12071	101.58992	44.39945	123.8041	13.097	6.32134	15.47551	4E-09	4.1E-06	5.13E-07	1.24E-12	3.73E-12	2.95E-12	2.14E-16	5.16E-15	2.85E-16	5.6609E-15	4.002E-09	4.1044E-06	5.13113E-07	1.26323E-12	8.6405E-16	6.30519E-13	1.43758E-16
723	570430.6	4178839	0.55, 41788	0.13612	0.12663	0.1341	105.75261	46.22171	135.82058	15.10752	6.99394	17.72822	4.45E-09	4.5E-06	5.88E-07	1.37E-12	4.14E-12	3.27E-12	2.37E-16	5.73E-15	3.17E-16	6.28885E-15	4.446E-09	4.5028E-06	5.87806E-07	1.40336E-12	9.59898E-16	7.00462E-13	1.59705E-16
724	570470.6	4178839	0.55, 41788	0.14941	0.1416	0.14777	113.55911	47.52324	144.14907	16.22273	7.30549	20.59272	4.9E-09	4.78E-06	6.83E-07	1.51E-12	4.57E-12	3.61E-12	2.62E-16	6.32E-15	3.49E-16	6.92995E-15	4.9E-09	4.7789E-06	6.82771E-07	1.54642E-12	1.05775E-15	7.71868E-13	1.75986E-16
725	570510.6	4178839	0.55, 41788	0.16314	0.158	0.16129	114.44641	50.69094	152.51274	16.21485	7.16417	20.85712	5.35E-09	5.06E-06	6.92E-07	1.65E-12	4.98E-12	3.94E-12	2.86E-16	6.9E-15	3.81E-16	7.56404E-15	5.348E-09	5.0561E-06	6.91535E-07	1.68792E-12	1.15454E-15	8.42494E-13	1.92089E-16
726	570550.6	4178839	0.55, 41788	0.17704	0.17576	0.1737	109.2842	56.30775	135.99936	15.45924	8.75778	18.63755	5.76E-09	4.51E-06	6.18E-07	1.78E-12	5.37E-12	4.24E-12	3.08E-16	7.43E-15	4.1E-16	8.1461E-15	5.76E-09	4.5088E-06	6.17952E-07	1.81781E-12	1.24338E-15	9.07325E-13	2.0687E-16
727	570590.6	4178839	0.55, 41788	0.1907	0.19445	0.18485	121.04262	57.73789	162.59872	17.123	9.62298	23.05827	6.13E-09	5.39E-06	7.65E-07	1.89E-12	5.71E-12	4.51E-12	3.27E-16	7.91E-15	4.36E-16	8.6691E-15	6.129E-09	5.3905E-06	7.64509E-07	1.93451E-12	1.32321E-15	9.65577E-13	2.20151E-16
728	570630.6	4178839	0.55, 41788	0.20316	0.21304	0.19546	125.84874	56.85617	163.76967	17.26057	9.47603	21.8341	6.48E-09	5.43E-06	7.24E-07	2E-12	6.04E-12	4.77E-12	3.46E-16	8.36E-15	4.61E-16	9.16677E-15	6.481E-09	5.4293E-06	7.2393E-07	2.04557E-12	1.39917E-15	1.02101E-12	2.3279E-16
729	570670.6	4178839	0.55, 41788	0.21386	0.23043	0.20601	138.80556	56.19819	167.35734	17.35069	9.51337	20.91967	6.83E-09	5.55E-06	6.94E-07	2.11E-12	6.36E-12	5.03E-12	3.65E-16	8.81E-15	4.86E-16	9.66162E-15	6.831E-09	5.5483E-06	6.93619E-07	2.15599E-12	1.4747E-15	1.07613E-12	2.45357E-16
730	570710.6	4178839	0.55, 41788	0.22462	0.24643	0.21368	139.69865	64.11019	158.44625	17.46233	11.64998	19.80578	7.09E-09	5.25E-06	6.57E-07	2.19E-12	6.6E-12	5.21E-12	3.78E-16	9.14E-15	5.04E-16	1.00214E-14	7.085E-09	5.2529E-06	6.56696E-07	2.23628E-12	1.52962E-15	1.1162E-12	2.54494E-16
731	570750.6	4178839	0.55, 41788	0.23931	0.26333	0.21642	129.30344	65.03758	176.13066	16.25667	13.35444	22.02002	7.18E-09	5.84E-06	7.3E-07	2.21E-12	6.69E-12	5.28E-12	3.83E-16	9.26E-15	5.11E-16	1.01501E-14	7.176E-09	5.8392E-06	7.30084E-07	2.265E-12	1.54926E-15	1.13053E-12	2.57762E-16
732	570790.6	4178839	0.55, 41788	0.2546	0.28325	0.22784	148.04332	66.52984	161.44916	18.88746	13.10425	20.18115	7.56E-09	5.35E-06	6.69E-07	2.33E-12	7.04E-12	5.56E-12	4.03E-16	9.74E-15	5.38E-16	1.06858E-14	7.555E-09	5.3525E-06	6.69152E-07	2.38453E-12	1.63102E-15	1.1902E-12	2.71365E-16
733	570830.6	4178839	0.55, 41788	0.26766	0.30497	0.26524	136.3658	90.38201	203.70222	17.19519	14.05196	26.51864	8.8E-09	6.75E-06	8.79E-07	2.71E-12	8.19E-12	6.47E-12	4.7E-16	1.13E-14	6.26E-16	1.24395E-14	8.795E-09	6.7533E-06	8.79216E-07	2.77588E-12	1.8987E-15	1.38553E-12	3.15901E-16
734	570870.6	4178839	0.55, 41788	0.28248	0.32215	0.27934	145.76117	97.26265	213.43334	18.22015	15.13016	26.67917	9.26E-09	7.08E-06	8.85E-07	2.86E-12	8.63E-12	6.82E-12	4.95E-16	1.19E-14	6.59E-16	1.31008E-14	9.263E-09	7.076E-06	8.84547E-07	2.92345E-12	1.99964E-15	1.45919E-12	3.32695E-16
735	570910.6	4178839	0.55, 41788	0.28799	0.33135	0.25629	130.6935	87.1686	210.24612	16.33669	13.50967	26.28077	8.5E-09	6.97E-06	8.71E-07	2.62E-12	7.92E-12	6.25E-12	4.54E-16	1.1E-14	6.05E-16	1.20202E-14	8.499E-09	6.9702E-06	8.71323E-07	2.68232E-12	1.83471E-15	1.33883E-12	3.05254E-16
736	570950.6	4178839	0.55, 41788	0.28758	0.33724	0.25781	143.26415	81.64199	232.33178	17.90802	13.93242	29.04147	8.55E-09	7.7E-06	9.63E-07	2.64E-12	7.97E-12	6.29E-12	4.56E-16	1.1E-14	6.09E-16	1.20916E-14	8.549E-09	7.7023E-06	9.62851E-07	2.69824E-12	1.84559E-15	1.34678E-12	3.07065E-16
737	570990.6	4178839	0.55, 41788	0.28844	0.33412	0.27084	115.42228	74.82901	134.90402	15.11344	13.01217	21.06919	8.98E-09	4.47E-06	6.99E-07	2.77E-12	8.37E-12	6.61E-12	4.8E-16	1.16E-14	6.39E-16	1.27024E-14	8.981E-09	4.4726E-06	6.98555E-07	2.83455E-12	1.93883E-15	1.41482E-12	3.22578E-16
738	571030.6	4178839	0.55, 41788	0.29049	0.32848	0.28015	122.60648	67.85889	167.69329	20.43441	11.21527	20.96166	9.29E-09	5.56E-06	6.95E-07	2.87E-12	8.66E-12	6.84E-12	4.96E-16	1.2E-14	6.61E-16	1.31389E-14	9.29E-09	5.5595E-06	6.95039E-07	2.93194E-12	2.00545E-15	1.46343E-12	3.33661E-16
739	571070.6	4178839	0.55, 41788	0.28682	0.32211	0.27916	145.80556	62.69899	194.95005	22.09774	10.44682	32.49167	9.26E-09	6.46E-06	1.08E-06	2.86E-12	8.62E-12	6.81E-12	4.94E-16	1.19E-14	6.59E-16	1.30924E-14	9.257E-09	6.463E-06	1.07726E-06	2.92157E-12	1.99835E-15	1.45825E-12	3.32481E-16
740	571110.6	4178839	0.55, 41788	0.272	0.3104	0.2597	131.09883	59.8466	180.45962	17.36249	9.97443	23.15348	8.61E-09	5.98E-06	7.68E-07	2.66E-12	8.02E-12	6.34E-12	4.6E-16	1.11E-14	6.13E-16	1.21798E-14	8.612E-09	5.9826E-06	7.67667E-07	2.71794E-12	1.85907E-15	1.35661E-12	3.09307E-16
741	571150.6	4178839	0.55, 41788	0.26	0.30055	0.24148	99.99815	55.57889	134.60776	12.49977	9.26315	16.82597	8.01E-09	4.46E-06	5.58E-07	2.47E-12	7.46E-12	5.89E-12	4.28E-16	1.03E-14	5.7E-16	1.13255E-14	8.007E-09	4.4626E-06	5.57874E-07	2.52729E-12	1.72866E-15	1.26145E-12	2.8761E-16
742	571190.6	4178839	0.55, 41788	0.2552	0.29099	0.23588	127.82601	53.11626	132.48794	15.97966	8.85271	16.56099	7.82E-09	4.39E-06	5.49E-07	2.41E-12	7.29E-12	5.76E-12	4.18E-16	1.01E-14	5.57E-16	1.10628E-14	7.822E-09	4.3924E-06	5.49122E-07	2.46867E-12	1.68857E-15	1.23219E-12	2.8094E-16
743	571230.6	4178839	0.55, 41788	0.25406	0.28009	0.23929	144.46225	51.51588	176.21864	18.06666	8.58598	22.02733	7.93E-09	5.84E-06	7.3E-07	2.45E-12	7.39E-12	5.84E-12	4.24E-16	1.02E-14	5.65E-16	1.12226E-14	7.935E-09	5.842E-06	7.30343E-07	2.50432E-12	1.71295E-15	1.24999E-12	2.84997E-16
744	571270.6	4178839	0.55, 41788	0.2507	0.26766	0.24251	121.82335	49.56018	161.92313	15.26733	8.26003	20.24326	8.04E-09	5.37E-06	6.71E-07	2.48E-12	7.49E-12	5.92E-12	4.29E-16	1.04E-14	5.73E-16	1.13734E-14	8.041E-09	5.3681E-06	6.71178E-07	2.53797E-12	1.73597E-15	1.26678E-12	2.88827E-16
745	571310.6	4178839	0.55, 41788	0.24184	0.25433	0.23951	103.21026	44.65355	122.05645	14.74432	7.58702	17.43664	7.94E-09	4.05E-06	5.78E-07	2.45E-12	7.4E-12	5.84E-12	4.24E-16	1.02E-14	5.65E-16	1.12326E-14	7.942E-09	4.0465E-06	5.78137E-07	2.50655E-12	1.71448E-15	1.2511E-12	2.85251E-16
746	571350.6	4178839	0.55, 41788	0.22797	0.24079	0.22797	99.0464	44.12829	113.73434	14.35742	7.39344	18.63488	7.56E-09	3.77E-06	6.18E-07	2.33E-12	7.04E-12	5.56E-12	4.04E-16	9.75E-15	5.38E-16	1.06913E-14	7.559E-09	3.7706E-06	6.17854E-07	2.38578E-12	1.63187E-15	1.19082E-12	2.71506E-16
747	571390.6	4178839	0.55, 41788	0.21103	0.22733	0.21036	102.76287	42.76623	112.22851	13.91866	7.25999	15.15441	6.98E-09	3.72E-06	5.02E-07	2.15E-12	6.5E-12	5.13E-12	3.72E-16	9E-15	4.97E-16	9.86553E-15	6.975E-09	3.7207E-06	5.02476E-07	2.2015E-12	1.50582E-15	1.09884E-12	2.50535E-16
748	571430.6	4178839	0.55, 41788	0.19469	0.21494	0.19186	96.70075	41.37793	118.14409	13.13698	7.12068	15.87157	6.36E-09	3.92E-06	5.26E-07	1.96E-12	5.93E-12	4.68E-12	3.4E-16	8.21E-15	4.53E-16	8.998E-15	6.362E-09	3.9168E-06	5.26242E-07	2.00791E-12	1.37341E-15	1.00221E-12	2.28504E-16
749	571470.6	4178839	0.55, 41788	0.18137	0.20392	0.17665	77.02264	40.18933	97.95965	10.5662	6.94319	13.29535	5.86E-09	3.25E-06	4.41E-07	1.81E-12	5.46E-12	4.31E-12	3.13E-16	7.55E-15	4.17E-16	8.28474E-15	5.858E-09	3.2476E-06	4.4082E-07	1.84874E-12	1.26454E-15	9.22767E-13	2.10391E-16
750	571510.6	4178839	0.55, 41788	0.17253	0.19446	0.16733	52.60803	39.21497	67.39367	7.34906	6.67327	9.32595	5.55E-09	2.23E-06	3.09E-07	1.71E-12	5.17E-12	4.08E-12	2.96E-16	7.16E-15	3.95E-16	7.84766E-15	5.549E-09	2.2344E-06	3.0921E-07	1.75121E-12	1.19783E-15	8.74083E-13	1.99291E-16
751	571550.6	4178839	0.55, 41788	0.16797	0.18619	0.16347	68.59481	38.25365	67.50423	9.65516	6.29212	9.48561	5.42E-09	2.24E-06	3.15E-07	1.67E-12	5.05E-12	3.99E-12	2.89E-16	6.99E-15	3.86E-16	7.66658E-15	5.421E-09	2.2381E-06	3.14524E-07	1.7108E-12	1.17019E-15	8.53915E-13	1.94693E-16
752	571590.6	4178839	0.55, 41788	0.16271	0.17607	0.15959	86.9293	37.04871	99.01478	11.93163	5.86384	13.49632	5.29E-09	3.28E-06	4.47E-07	1.63E-12	4.93E-12	3.89E-12	2.83E-16	6.83E-15	3.77E-16	7.48455E-15	5.292E-09	3.2826E-06	4.47495E-07	1.67018E-12	1.1424E-15	8.3364E-13	1.9007E-16
753	570839.2	4178446	9.17, 41784	74.46739	6.86955	3.72049	1115.31188	246.53605	1658.95445	545.24687	92.47095	232.89196	1.23E-07	5.5E-05	7.73E-06	3.81E-11	1.15E-10	9.09E-11	6.59E-15	1.59E-13	8.79E-15	1.7461E-13	1.235E-07	5.4995E-05	7.72504E-06	3.89642E-11	2.66515E-14	1.94483E-11	4.43421E-15
754	570839.2	4178486	9.17, 41784	72.70489	8.35312	4.22209	2611.28562	240.43522	1473.87155	1286.82968	90.10385	245.64526	1.4E-07	4.89E-05	8.15E-06	4.32E-11	1.31E-10	1.03E-10	7.48E-15	1.81E-13	9.97E-15	1.98142E-13	1.401E-07	4.8861E-05	8.15454E-06	4.42154E-11	3.02433E-14	2.20693E-11	5.03181E-15
755	570879.2	4178406	9.17, 41784	9.26791	12.09581	2.86973	654.37651	281.54322	1652.24347	174.87233	99.71055	250.6883	9.52E-08	5.48E-05	8.31E-06	2.94E-11	8.87E-11	7.01E-11	5.09E-15	1.23E-13	6.78E-15	1.34698E-13	9.524E-08	5.4773E-05	8.3116E-06	3.00579E-11	2.05596E-14	1.50028E-11	3.42065E-15
756	570879.2	4178446	9.17, 41784	110.98197	13.33715	11.62742	3333.88644	260.53475	3586.87714	1717.50318	91.01179	770.8732	3.86E-07	0.000119	2.56E-05	1.19E-10	3.59E-10	2.84E-10	2.06E-14	4.97E-13	2.75E-14	5.45445E-13	3.856E-07	0.00011891	2.55691E-05	1.21716E-10	8.32538E-14	6.07524E-11	1.38515E-14
757	570879.2	4178486	9.17, 41784	18.42358	13.79846	20.70311	473.0449	246.35325	4578.74855	141.68031	100.88031	655.29094	6.86E-07	0.000152	2.17E-05	2.12E-10	6.4E-10	5.05E-10	3.67E-14	8.85E-13	4.89E-14	9.70839E-13	6.864E-07	0.00015178	2.17234E-05	2.16643E-10	1.48184E-13	1.08133E-10	2.46544E-14
758	570879.2	4178526	9.17, 41785	94.91809	17.71904	9.02777	3340.71117	271.69492	2014.80922	1490.9797	113.49448	441.47053	2.99E-07	6.68E-05	1.46E-05	9.24E-11	2.79E-10	2.2E-10	1.6E-14	3.86E-13	2.13E-14	4.23591E-13	2.995E-07	6.6794E-05	1.46478E-05	9.45245E-11	6.46547E-14	4.71802E-11	1.07571E-14
759	570879.2	4178566	9.17, 41785	6.34056	7.84517	3.48916	517.57011	248.69096	1100.96831	138.67192	92.32789	171.27972	1.16E-07	3.65E-05	5.68E-06	3.57E-11	1.08E-10	8.52E-11	6.18E-15	1.49E-13	8.24E-15	1.63687E-13	1.157E-07	3.6498E-05	5.67897E-06	3.65267E-11	2.49843E-14	1.82316E-11	4.15681E-15
760	570919.2	4178366	9.17, 41783	2.36921	8.89638	1.45024	279.82249	231.14799	970.86833	50.20448	85.64726	145.20587	4.81E-08	3.22E-05	4.81E-06	1.49E-11	4.49E-11	3.54E-11	2.57E-15	6.21E-14	3.43E-15	6.80998E-14	4.815E-08	3.2185E-05	4.81385E-06	1.51965E-11	1.03944E-14	7.58505E-12	1.72939E-15
761	570919.2	4178406	9.17, 41784	7.16288	18.51893	2.95623	387.12304	281.06153	1814.51514	102.95605	123.97591	301.78328	9.82E-08	6.02E-05	1E-05	3.03E-11	9.15E-11	7.22E-11	5.24E-15	1.27E-13	6.99E-15	1.38825E-13	9.815E-08	6.0152E-05	1.00047E-05	3.09788E-11	2.11895E-14	1.54625E-11	3.52545E-15
762	570919.2	4178446	9.17, 41784	30.90779	15.96768	15.85005	761.46723	266.85593	6280.62092	290.35951	97.37786	1155.63511	5.26E-07	0.000208	3.83E-05	1.62E-10	4.9E-10	3.87E-10	2.81E-14	6.78E-13	3.74E-14	7.43347E-13	5.256E-07	0.0002082	3.83105E-05	1.65878E-10	1.13461E-13	8.2795E-11	1.88773E-14
763	570919.2	4178486	9.17, 41784	29.57453	18.16179	468.02027	992.62163	281.14129	31654.24271	425.98322	121.6397	9353.86757	1.55E-05	0.001049	0.00031	4.79E-09	1.45E-08	1.14E-08	8.28E-13	2E-11	1.1E-12	2.19431E-11	1.551E-05	0.0010493	0.000310073	4.89662E-09	3.34929E-12	2.44406E-09	5.57246E-13
764	570919.2	4178526	9.17, 41785	19.47257	21.77306	15.13476	427.44744	357.8357	3633.422	126.47105	151.21701	760.0028	5.02E-07	0.00012	2.52E-05	1.55E-10	4.68E-10	3.69E-10	2.68E-14	6.47E-13	3.57E-14	7.09863E-13	5.019E-07	0.00012045	2.51943E-05	1.58406E-10	1.0835E-13	7.90656E-11	1.80269E-14
765	570919.2	4178566	9.17, 41785	68.70701	17.81326	4.44491	3547.24462	326.79695	1605.72558	1121.59815	123.62419	257.53275	1.48E-07	5.32E-05	8.55E-06	4.55E-11	1.37E-10	1.09E-10	7.88E-15	1.9E-13	1.05E-14	2.08693E-13	1.476E-07	5.3234E-05	8.54709E-06	4.65699E-11	3.18538E-14	2.32445E-11	5.29975E-15
766	570959.2	4178326	9.17, 41783	2.08146	12.83514	1.34475	279.67021	252.56813	633.18912	42.32993	97.81035	79.64117	4.47E-08	2.1E-05	2.64E-06	1.38E-11	4.16E-11	3.29E-11	2.39E-15	5.76E-14	3.18E-15	6.31991E-14	4.468E-08	2.0992E-05	2.64039E-06	1.41029E-11	9.64638E-15	7.03921E-12	1.60494E-15
767	570959.2	4178366	9.17, 41783	2.97969	11.80225	1.85212	241.09871	252.07126	954.07883	42.48046	78.75938	136.29698	6.15E-08	3.16E-05	4.52E-06	1.9E-11	5.73E-11	4.53E-11	3.28E-15	7.93E-14	4.38E-15	8.69761E-14	6.149E-08	3.1629E-05	4.51846E-06	1.94087E-11	1.32756E-14	9.68752E-12	2.20876E-15
768	570959.2	4178406	9.17, 41784	5.48321	18.00699	4.34111	312.89849	292.26242	1429.75284	67.10795	111.57482	238.11199	1.44E-07	4.74E-05	7.89E-06	4.45E-11	1.34E-10	1.06E-10	7.69E-15	1.86E-13	1.03E-14	2.03746E-13	1.441E-07	4.7397E-05	7.89373E-06	4.5466E-11	3.10988E-14	2.26935E-11	5.17413E-15
769	570959.2	4178446	9.17, 41784	13.2141	15.9724	27.93872	471.07205	258.82785	2485.7483	129.31081	100.45092	486.63208	9.26E-07	8.24E-05	1.61E-05	2.86E-10	8.63E-10	6.82E-10	4.95E-14	1.19E-12	6.59E-14	1.31009E-12	9.263E-07	8.2402E-05	1.61324E-05	2.92348E-10	1.99966E-13	1.4592E-10	3.32698E-14
770	570959.2	4178486	9.17, 41784	61.20406	15.71053	62.85492	1330.20017	250.50131	2800.83581	539.4281	101.77571	895.66291	2.08E-06	9.28E-05	2.97E-05	6.43E-10	1.94E-09	1.53E-09	1.11E-13	2.69E-12	1.48E-13	2.94718E-12	2.084E-06	9.2847E-05	2.9695E-05	6.57665E-10	4.49843E-13	3.28262E-10	7.48436E-14
771	570959.2	4178526	9.17, 41785	233.18259	14.04006	12.98457	3491.90215	258.73899	2789.84609	1687.05022	110.68808	397.86928	4.31E-07	9.25E-05	1.32E-05	1.33E-10	4.01E-10	3.17E-10	2.3E-14	5.56E-13	3.07E-14	6.09241E-13	4.308E-07	9.2485E-05	1.32042E-05	1.35952E-10	9.29914E-14	6.78582E-11	1.54717E-14
772	570999.2	4178286	9.17, 41782	4.82709	7.01905	1.81527	541.05323	230.67805	782.52024	117.6944	82.70868	130.42004	6.02E-08	2.59E-05	4.32E-06	1.86E-11	5.61E-11	4.43E-11	3.22E-15	7.77E-14	4.29E-15	8.51955E-14	6.024E-08	2.5942E-05	4.32433E-06	1.90114E-11	1.30038E-14	9.4892E-12	2.16354E-15

773	570999.2	4178326	9.17, 41783	3.49216	17.23511	2.06149	334.8047	281.26172	702.77079	73.88295	121.01705	110.07877	6.85E-08	2.33E-05	3.65E-06	2.11E-11	6.38E-11	5.04E-11	3.66E-15	8.83E-14	4.88E-15	9.68558E-14	6.848E-08	2.3299E-05	3.64965E-06	2.16134E-11	1.47836E-14	1.07879E-11	2.45965E-15
774	570999.2	4178366	9.17, 41783	3.49499	15.86199	2.88936	258.09779	262.50756	719.40934	51.99585	99.38677	89.92617	9.59E-08	2.38E-05	2.98E-06	2.96E-11	8.94E-11	7.06E-11	5.12E-15	1.24E-13	6.83E-15	1.35654E-13	9.591E-08	2.385E-05	2.98141E-06	3.02713E-11	2.07056E-14	1.51094E-11	3.44493E-15
775	570999.2	4178406	9.17, 41784	4.67229	14.08019	6.50261	269.25985	258.20089	888.73579	48.54927	90.52886	138.83889	2.16E-07	2.95E-05	4.6E-06	6.66E-11	2.01E-10	1.59E-10	1.15E-14	2.78E-13	1.54E-14	3.05041E-13	2.157E-07	2.9463E-05	4.60278E-06	6.80699E-11	4.65598E-14	3.39759E-11	7.7465E-15
776	570999.2	4178446	9.17, 41784	8.21208	17.59623	13.45709	365.10896	254.50285	1091.31402	80.87758	113.65243	185.77432	4.46E-07	3.62E-05	6.16E-06	1.38E-10	4.16E-10	3.28E-10	2.38E-14	5.76E-13	3.18E-14	6.31143E-13	4.462E-07	3.6178E-05	6.15892E-06	1.4084E-10	9.63344E-14	7.02976E-11	1.60279E-14
777	570999.2	4178486	9.17, 41784	18.06608	14.21786	20.31738	585.19163	263.25351	1140.06137	156.20535	101.07997	297.24229	6.74E-07	3.78E-05	9.85E-06	2.08E-10	6.28E-10	4.96E-10	3.6E-14	8.69E-13	4.8E-14	9.52758E-13	6.736E-07	3.7794E-05	9.85463E-06	2.12608E-10	1.45424E-13	1.0612E-10	2.41953E-14
778	571039.2	4178246	9.17, 41782	16.91212	6.90765	2.82369	857.31055	271.11205	1316.76682	274.95229	93.64332	189.48612	9.37E-08	4.37E-05	6.28E-06	2.89E-11	8.73E-11	6.89E-11	5E-15	1.21E-13	6.67E-15	1.32489E-13	9.367E-08	4.3652E-05	6.28373E-06	2.9565E-11	2.02225E-14	1.47568E-11	3.36456E-15
779	571039.2	4178286	9.17, 41782	28.85834	15.10006	3.68614	1240.055	260.3069	1323.38037	549.80999	92.85324	215.01085	1.22E-07	4.39E-05	7.13E-06	3.78E-11	1.14E-10	9E-11	6.53E-15	1.58E-13	8.71E-15	1.73035E-13	1.223E-07	4.3872E-05	7.13234E-06	3.86128E-11	2.64112E-14	1.92729E-11	4.39422E-15
780	571039.2	4178326	9.17, 41783	6.67676	17.1171	4.10991	443.85334	276.43557	1246.54946	131.23026	111.87763	155.81868	1.36E-07	4.13E-05	5.17E-06	4.21E-11	1.27E-10	1E-10	7.28E-15	1.76E-13	9.71E-15	1.92898E-13	1.364E-07	4.1324E-05	5.16639E-06	4.30452E-11	2.94429E-14	2.14852E-11	4.89863E-15
781	571039.2	4178366	9.17, 41783	4.40971	16.57374	4.87433	310.01939	259.88486	992.68074	73.97776	106.04392	160.75052	1.62E-07	3.29E-05	5.33E-06	4.99E-11	1.51E-10	1.19E-10	8.63E-15	2.09E-13	1.15E-14	2.28728E-13	1.617E-07	3.2909E-05	5.32935E-06	5.10407E-11	3.49118E-14	2.54761E-11	5.80854E-15
782	571039.2	4178406	9.17, 41784	4.40492	15.47088	6.2465	249.62047	251.60574	625.26496	54.55389	95.67705	86.62547	2.07E-07	2.07E-05	2.87E-06	6.39E-11	1.93E-10	1.52E-10	1.11E-14	2.67E-13	1.48E-14	2.93049E-13	2.072E-07	2.0729E-05	2.87202E-06	6.53939E-11	4.47294E-14	3.26402E-11	7.44196E-15
783	571039.2	4178446	9.17, 41784	6.02235	17.33371	7.45895	271.18693	258.43077	565.95619	53.34538	113.33058	91.15286	2.47E-07	1.88E-05	3.02E-06	7.63E-11	2.31E-10	1.82E-10	1.32E-14	3.19E-13	1.76E-14	3.49917E-13	2.474E-07	1.8763E-05	3.02209E-06	7.80842E-11	5.34096E-14	3.89743E-11	8.88614E-15
784	571079.2	4178246	9.17, 41782	26.90238	12.76385	4.78342	686.22219	257.40547	1959.72628	294.80616	92.56412	417.67679	1.59E-07	6.5E-05	1.38E-05	4.9E-11	1.48E-10	1.17E-10	8.47E-15	2.05E-13	1.13E-14	2.24451E-13	1.587E-07	6.4965E-05	1.38481E-05	5.00863E-11	3.4259E-14	2.49997E-11	5.69992E-15
785	571079.2	4178286	9.17, 41782	49.90964	15.92317	13.80121	957.6563	283.49226	4117.74908	414.11972	108.09945	689.22522	4.58E-07	0.000137	2.29E-05	1.41E-10	4.26E-10	3.37E-10	2.44E-14	5.9E-13	3.26E-14	6.47312E-13	4.577E-07	0.0001365	2.28507E-05	1.44448E-10	9.88023E-14	7.20985E-11	1.64385E-14
786	571079.2	4178326	9.17, 41783	16.67986	14.36437	14.4793	793.60016	243.70787	3077.685	313.14105	91.11491	664.711	4.8E-07	0.000102	2.2E-05	1.48E-10	4.47E-10	3.53E-10	2.56E-14	6.19E-13	3.42E-14	6.79043E-13	4.801E-07	0.00010202	2.20372E-05	1.51529E-10	1.03646E-13	7.56328E-11	1.72443E-14
787	571079.2	4178366	9.17, 41783	6.18218	17.09307	7.0902	419.38901	255.0076	1488.27193	110.95083	108.56867	287.95219	2.35E-07	4.93E-05	9.55E-06	7.26E-11	2.19E-10	1.73E-10	1.26E-14	3.03E-13	1.67E-14	3.32626E-13	2.352E-07	4.9337E-05	9.54627E-06	7.42256E-11	5.07703E-14	3.70484E-11	8.44703E-15
788	571079.2	4178406	9.17, 41784	4.42977	14.91	5.35349	310.20505	209.99469	815.89349	72.09993	91.11305	117.58287	1.78E-07	2.7E-05	3.9E-06	5.48E-11	1.65E-10	1.31E-10	9.48E-15	2.29E-13	1.26E-14	2.51174E-13	1.776E-07	2.7048E-05	3.89838E-06	5.60495E-11	3.83379E-14	2.79761E-11	6.37855E-15
789	571119.2	4178286	9.17, 41782	25.0824	15.07438	138.00946	507.91812	256.39153	16734.57469	211.8106	106.96205	4271.60103	4.57E-06	0.000555	0.000142	1.41E-09	4.26E-09	3.37E-09	2.44E-13	5.9E-12	3.26E-13	6.47071E-12	4.575E-06	0.00055473	0.0001416	1.44394E-09	9.87656E-13	7.20717E-10	1.64324E-13
790	571119.2	4178326	9.17, 41783	197.49067	14.51391	52.98238	3348.29445	230.6601	7805.71053	1622.72219	95.52079	2122.69744	1.76E-06	0.000259	7.04E-05	5.42E-10	1.64E-09	1.29E-09	9.38E-14	2.27E-12	1.25E-13	2.48448E-12	1.757E-06	0.00025875	7.03795E-05	5.54412E-10	3.79218E-13	2.76725E-10	6.30932E-14
791	571119.2	4178366	9.17, 41783	10.01384	12.46582	9.59129	630.48898	206.62645	2115.5821	198.58486	83.22549	424.70779	3.18E-07	7.01E-05	1.41E-05	9.81E-11	2.96E-10	2.34E-10	1.7E-14	4.1E-13	2.26E-14	4.4984E-13	3.181E-07	7.0131E-05	1.40803E-05	1.00382E-10	6.86613E-14	5.01038E-11	1.14237E-14
792	571159.2	4178326	9.17, 41783	219.15803	19.05137	35.48029	3124.9508	277.70648	3646.5914	1560.39264	128.55095	753.34584	1.18E-06	0.000121	2.5E-05	3.63E-10	1.1E-09	8.66E-10	6.28E-14	1.52E-12	8.38E-14	1.66398E-12	1.176E-06	0.00012089	2.49867E-05	3.71318E-10	2.53982E-13	1.85337E-10	4.22568E-14
793	570808.8	4178465	8.82, 41784	10.95844	3.34212	2.15804	1253.90468	193.66587	956.23037	302.59047	56.7134	159.37173	7.16E-08	3.17E-05	5.29E-06	2.21E-11	6.67E-11	5.27E-11	3.82E-15	9.23E-14	5.1E-15	1.01232E-13	7.157E-08	3.1701E-05	5.28573E-06	2.25899E-11	1.54515E-14	1.12753E-11	2.57077E-15
794	570823.9	4178530	3.91, 41785	3.05561	3.25593	2.40542	358.64643	197.99385	1108.94733	70.39413	63.38636	140.39269	7.98E-08	3.68E-05	4.65E-06	2.46E-11	7.43E-11	5.87E-11	4.26E-15	1.03E-13	5.68E-15	1.12819E-13	7.977E-08	3.6762E-05	4.65448E-06	2.51755E-11	1.722E-14	1.25659E-11	2.86502E-15
795	570883.3	4178602	3.31, 41786	3.07425	4.49746	2.05933	479.66242	287.53386	914.81532	94.76169	103.00469	119.05382	6.83E-08	3.03E-05	3.95E-06	2.11E-11	6.36E-11	5.03E-11	3.65E-15	8.81E-14	4.86E-15	9.66067E-14	6.83E-08	3.0328E-05	3.94735E-06	2.15578E-11	1.47455E-14	1.07602E-11	2.45332E-15
796	571181.5	4178310	1.45, 41783	77.30582	13.12592	35.80897	2585.53888	242.23364	1672.90767	872.95261	114.20023	513.62427	1.19E-06	5.55E-05	1.7E-05	3.66E-10	1.11E-09	8.74E-10	6.34E-14	1.53E-12	8.45E-14	1.67914E-12	1.187E-06	5.5459E-05	1.70339E-05	3.747E-10	2.56295E-13	1.87025E-10	4.26417E-14
797	571067.8	4178207	7.83, 41782	5.36607	4.9243	1.64986	895.65181	299.02694	904.65641	223.56067	96.05921	144.20823	5.47E-08	3E-05	4.78E-06	1.69E-11	5.1E-11	4.03E-11	2.92E-15	7.06E-14	3.9E-15	7.74168E-14	5.474E-08	2.9992E-05	4.78236E-06	1.72756E-11	1.18165E-14	8.6228E-12	1.966E-15
798	570799.9	4178447	9.89, 41784	4.88888	2.78293	1.75814	732.83791	152.28075	768.58836	142.77112	52.0733	124.31973	5.83E-08	2.55E-05	4.12E-06	1.8E-11	5.43E-11	4.29E-11	3.11E-15	7.52E-14	4.15E-15	8.24681E-14	5.831E-08	2.548E-05	4.12234E-06	1.84028E-11	1.25875E-14	9.18541E-12	2.09427E-15

	Trenching	Grading	Stockpile
Emissions Rate (g/s):	1.59E-10	1.41E-09	5.71E-06

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	0.0087	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	0.0087	10	2	70	0.85
2<9	861	1	0.854795	0.000001	0.0087	3	0.55	70	0.72
Student	640	1	0.493151	0.000001	0.0087	3	2.8	70	1
Worker	230	1	0.684932	0.000001	0.0087	1	2.8	70	1

Ethylbenzene

	Chronic (Annu	Acute (1hr)	8hr
REL:	2000	1	1

													Concentration (µg/m^3)			Unmitigated										Student		Worker	
				Concentration [µg/m^3] at 1 g/s									Unmitigated			Residential Dose			Risk by Age Group				Unmitigated			Unmitigated		Unmitigated	
#	X	Y	X,Y	Trenching Period	Grading Period	Stockpile Period	Treching 1hr	Grading 1hr	Stockpile 1hr	Trenching 8hr	Grading 8hr	Stockpile 8hr	Period Tota	1hr Total	8hr Total	3rd	0<2	2<9	3rd	0<2	2<9	Total Risk	Chronic	Acute	8hr	Dose	Risk	Dose	Risk
1	570310.6	4177919	0.55, 4177	0.08215	0.06425	0.08047	53.98877	25.74637	57.86027	6.7486	3.78109	7.23253	4.6E-07	0.000331	4.13E-05	1.42E-10	4.28E-10	3.38E-10	3.75E-14	9.05E-13	5E-14	9.92686E-13	2.299E-10	0.00033061	4.13309E-05	1.45133E-10	1.51518E-13	7.24403E-11	2.52092E-14
2	570350.6	4177919	0.55, 4177	0.08744	0.06946	0.0859	61.34869	26.43683	62.74615	7.66859	3.66465	7.84327	4.91E-07	0.000359	4.48E-05	1.51E-10	4.57E-10	3.61E-10	4E-14	9.66E-13	5.33E-14	1.05967E-12	2.454E-10	0.00035852	4.48216E-05	1.54926E-10	1.61743E-13	7.73287E-11	2.69104E-14
3	570390.6	4177919	0.55, 4177	0.09273	0.07514	0.09126	67.57642	27.23616	68.95787	8.44705	3.80844	8.61973	5.22E-07	0.000394	4.93E-05	1.61E-10	4.86E-10	3.84E-10	4.25E-14	1.03E-12	5.67E-14	1.1258E-12	2.608E-10	0.00039401	4.92588E-05	1.64594E-10	1.71836E-13	8.21541E-11	2.85896E-14
4	570430.6	4177919	0.55, 4177	0.09799	0.08123	0.09661	71.34976	28.07066	72.35504	8.91872	4.01428	9.04438	5.52E-07	0.000413	5.17E-05	1.7E-10	5.14E-10	4.06E-10	4.5E-14	1.09E-12	6E-14	1.1918E-12	2.76E-10	0.00041342	5.16856E-05	1.74244E-10	1.81911E-13	8.69707E-11	3.02658E-14
5	570470.6	4177919	0.55, 4177	0.10292	0.08757	0.10182	71.34124	28.88227	71.18869	8.91766	4.18506	8.89859	5.82E-07	0.000407	5.09E-05	1.8E-10	5.42E-10	4.28E-10	4.74E-14	1.15E-12	6.32E-14	1.25608E-12	2.909E-10	0.00040676	5.08527E-05	1.83641E-10	1.91722E-13	9.16613E-11	3.18981E-14
6	570510.6	4177919	0.55, 4177	0.10719	0.09397	0.10631	70.57748	29.51269	72.86498	8.82218	4.31581	9.10812	6.08E-07	0.000416	5.2E-05	1.87E-10	5.66E-10	4.47E-10	4.95E-14	1.2E-12	6.6E-14	1.31148E-12	3.038E-10	0.00041634	5.20496E-05	1.91741E-10	2.00177E-13	9.57038E-11	3.33049E-14
7	570550.6	4177919	0.55, 4177	0.11095	0.10041	0.10942	80.02506	30.00614	83.29269	10.00313	4.88273	10.41159	6.25E-07	0.000476	5.95E-05	1.93E-10	5.83E-10	4.6E-10	5.1E-14	1.23E-12	6.79E-14	1.34986E-12	3.126E-10	0.00047592	5.94984E-05	1.97351E-10	2.06035E-13	9.85044E-11	3.42795E-14
8	570590.6	4177919	0.55, 4177	0.11537	0.10684	0.11183	81.14556	31.22548	84.40479	10.14319	5.49199	10.5506	6.39E-07	0.000482	6.03E-05	1.97E-10	5.95E-10	4.7E-10	5.21E-14	1.26E-12	6.94E-14	1.3796E-12	3.195E-10	0.00048227	6.02928E-05	2.017E-10	2.10575E-13	1.00675E-10	3.50349E-14
9	570630.6	4177919	0.55, 4177	0.12154	0.11343	0.11602	82.02682	32.76834	84.97635	10.54682	6.07261	10.62204	6.63E-07	0.000486	6.07E-05	2.05E-10	6.18E-10	4.88E-10	5.4E-14	1.31E-12	7.2E-14	1.4313E-12	3.315E-10	0.00048554	6.07015E-05	2.09259E-10	2.18466E-13	1.04448E-10	3.63478E-14
10	570670.6	4177919	0.55, 4177	0.12896	0.11974	0.12346	90.28793	34.09351	94.2666	12.11861	6.60764	13.84836	7.06E-07	0.000539	7.91E-05	2.18E-10	6.57E-10	5.19E-10	5.75E-14	1.39E-12	7.67E-14	1.52308E-12	3.528E-10	0.00053862	7.91364E-05	2.22677E-10	2.32475E-13	1.11145E-10	3.86786E-14
11	570710.6	4177919	0.55, 4177	0.13589	0.12543	0.13131	92.03158	38.34133	98.54944	11.50395	7.03486	13.72911	7.5E-07	0.000563	7.85E-05	2.32E-10	6.99E-10	5.52E-10	6.12E-14	1.48E-12	8.15E-14	1.61992E-12	3.752E-10	0.00056309	7.84541E-05	2.36835E-10	2.47256E-13	1.18212E-10	4.11377E-14
12	570750.6	4177919	0.55, 4177	0.14097	0.13029	0.13561	98.93292	42.68075	106.54938	12.36662	7.25038	14.15663	7.75E-07	0.000609	8.09E-05	2.39E-10	7.22E-10	5.7E-10	6.32E-14	1.53E-12	8.42E-14	1.67297E-12	3.875E-10	0.00060881	8.08979E-05	2.44591E-10	2.55353E-13	1.22083E-10	4.24849E-14
13	570790.6	4177919	0.55, 4177	0.1434	0.13429	0.137	101.78306	44.96916	112.12821	12.72288	7.16867	14.01603	7.83E-07	0.000641	8.01E-05	2.42E-10	7.29E-10	5.76E-10	6.38E-14	1.54E-12	8.51E-14	1.69012E-12	3.915E-10	0.00064068	8.00952E-05	2.47099E-10	2.57972E-13	1.23335E-10	4.29206E-14
14	570830.6	4177919	0.55, 4177	0.14249	0.1373	0.1371	103.05806	46.92439	113.14313	12.88226	6.63254	14.14289	7.83E-07	0.000646	8.08E-05	2.42E-10	7.3E-10	5.77E-10	6.39E-14	1.54E-12	8.51E-14	1.69136E-12	3.917E-10	0.00064648	8.08202E-05	2.47281E-10	2.58161E-13	1.23426E-10	4.29522E-14
15	570870.6	4177919	0.55, 4177	0.13915	0.13926	0.13269	113.81753	49.41272	127.10432	14.22719	6.17659	15.88804	7.58E-07	0.000726	9.08E-05	2.34E-10	7.07E-10	5.58E-10	6.18E-14	1.49E-12	8.24E-14	1.63698E-12	3.791E-10	0.00072625	9.07926E-05	2.3933E-10	2.4986E-13	1.19457E-10	4.1571E-14
16	570910.6	4177919	0.55, 4177	0.13537	0.14116	0.12571	103.09741	52.00284	118.27061	16.13684	6.50036	14.78383	7.18E-07	0.000676	8.45E-05	2.22E-10	6.69E-10	5.29E-10	5.85E-14	1.41E-12	7.81E-14	1.5509E-12	3.592E-10	0.00067578	8.44871E-05	2.26744E-10	2.36721E-13	1.13175E-10	3.9385E-14
17	570950.6	4177919	0.55, 4177	0.13129	0.14261	0.12523	128.63222	54.75687	154.09416	19.7206	7.6051	23.34348	7.16E-07	0.00088	0.000133	2.21E-10	6.67E-10	5.27E-10	5.83E-14	1.41E-12	7.78E-14	1.54498E-12	3.578E-10	0.00088046	0.000133395	2.25879E-10	2.35818E-13	1.12743E-10	3.92347E-14
18	570990.6	4177919	0.55, 4177	0.12715	0.1442	0.12572	126.51514	58.01026	163.29109	18.07359	9.36612	23.3273	7.18E-07	0.000933	0.000133	2.22E-10	6.69E-10	5.29E-10	5.86E-14	1.41E-12	7.81E-14	1.55103E-12	3.592E-10	0.000933	0.0001333	2.26763E-10	2.36741E-13	1.13185E-10	3.93883E-14
19	571030.6	4177919	0.55, 4177	0.12254	0.14609	0.11762	125.39004	62.99788	174.41478	17.19472	10.49965	21.80185	6.72E-07	0.000997	0.000125	2.07E-10	6.26E-10	4.95E-10	5.48E-14	1.32E-12	7.3E-14	1.45113E-12	3.361E-10	0.00099656	0.000124584	2.12158E-10	2.21493E-13	1.05895E-10	3.68514E-14
20	571070.6	4177919	0.55, 4177	0.1201	0.14847	0.1104	126.80092	67.58831	177.9713	16.22667	10.87469	22.24641	6.31E-07	0.001017	0.000127	1.95E-10	5.88E-10	4.64E-10	5.14E-14	1.24E-12	6.86E-14	1.36209E-12	3.155E-10	0.00101689	0.000127122	1.9914E-10	2.07903E-13	9.93973E-11	3.45903E-14
21	571110.6	4177919	0.55, 4177	0.1205	0.15044	0.10927	126.62476	68.47754	165.66905	20.2586	9.61445	20.70863	6.25E-07	0.000947	0.000118	1.93E-10	5.82E-10	4.6E-10	5.09E-14	1.23E-12	6.79E-14	1.34816E-12	3.123E-10	0.0009466	0.000118343	1.97104E-10	2.05776E-13	9.83808E-11	3.42365E-14
22	571150.6	4177919	0.55, 4177	0.1212	0.15159	0.11602	131.66409	62.22893	172.39569	21.10658	9.19459	24.99313	6.63E-07	0.000985	0.000143	2.05E-10	6.18E-10	4.88E-10	5.4E-14	1.31E-12	7.21E-14	1.43141E-12	3.315E-10	0.00098503	0.000142822	2.09276E-10	2.18484E-13	1.04456E-10	3.63507E-14
23	571190.6	4177919	0.55, 4177	0.12215	0.15198	0.11825	137.85581	66.48698	180.99172	19.69369	10.25241	26.94632	6.76E-07	0.001034	0.000154	2.09E-10	6.3E-10	4.97E-10	5.51E-14	1.33E-12	7.34E-14	1.45892E-12	3.379E-10	0.00103414	0.000153978	2.13297E-10	2.22682E-13	1.06463E-10	3.70492E-14
24	571230.6	4177919	0.55, 4177	0.12354	0.15154	0.11348	148.65332	75.08948	179.38421	21.23619	9.50538	22.42303	6.49E-07	0.001025	0.000128	2E-10	6.04E-10	4.77E-10	5.29E-14	1.28E-12	7.05E-14	1.40009E-12	3.243E-10	0.00102497	0.000128139	2.04696E-10	2.13702E-13	1.0217E-10	3.55552E-14
25	571270.6	4177919	0.55, 4177	0.12544	0.15047	0.11372	135.01221	73.55453	181.97135	18.66937	9.80753	25.99591	6.5E-07	0.00104	0.000149	2.01E-10	6.06E-10	4.78E-10	5.3E-14	1.28E-12	7.06E-14	1.40305E-12	3.25E-10	0.00103975	0.000148547	2.05128E-10	2.14154E-13	1.02386E-10	3.56303E-14
26	571310.6	4177919	0.55, 4177	0.12844	0.14895	0.1185	144.25948	74.57026	160.72945	18.03243	9.63087	20.79832	6.77E-07	0.000918	0.000119	2.09E-10	6.31E-10	4.98E-10	5.52E-14	1.33E-12	7.36E-14	1.462E-12	3.386E-10	0.00091839	0.000118852	2.13747E-10	2.23151E-13	1.06688E-10	3.71273E-14
27	571350.6	4177919	0.55, 4177	0.13264	0.1484	0.12186	134.13439	65.82548	182.86761	16.7668	8.49886	22.85845	6.96E-07	0.001045	0.000131	2.15E-10	6.49E-10	5.13E-10	5.68E-14	1.37E-12	7.57E-14	1.50344E-12	3.482E-10	0.00104486	0.000130619	2.19805E-10	2.29477E-13	1.09712E-10	3.81797E-14
28	571390.6	4177919	0.55, 4177	0.13487	0.1464	0.12015	140.45529	51.40311	177.22554	17.55691	7.98518	22.15319	6.87E-07	0.001013	0.000127	2.12E-10	6.4E-10	5.05E-10	5.6E-14	1.35E-12	7.46E-14	1.48234E-12	3.433E-10	0.00101261	0.000126591	2.16721E-10	2.26257E-13	1.08172E-10	3.7644E-14
29	571430.6	4177919	0.55, 4177	0.14548	0.15293	0.12366	139.19794	49.3636	190.22803	17.39974	7.65374	23.7785	7.07E-07	0.001087	0.000136	2.18E-10	6.58E-10	5.2E-10	5.76E-14	1.39E-12	7.68E-14	1.52565E-12	3.534E-10	0.00108689	0.000135877	2.23053E-10	2.32868E-13	1.11333E-10	3.87439E-14
30	571470.6	4177919	0.55, 4177	0.15916	0.16179	0.13045	134.87595	45.89373	190.37308	16.85949	6.86379	23.79664	7.46E-07	0.001088	0.000136	2.3E-10	6.95E-10	5.49E-10	6.08E-14	1.47E-12	8.1E-14	1.60943E-12	3.728E-10	0.00108771	0.00013598	2.35302E-10	2.45655E-13	1.17446E-10	4.08714E-14
31	571510.6	4177919	0.55, 4177	0.17426	0.17151	0.14116	122.2315	42.4201	161.48029	15.27894	5.85942	20.18504	8.07E-07	0.000923	0.000115	2.49E-10	7.52E-10	5.94E-10	6.57E-14	1.59E-12	8.77E-14	1.74155E-12	4.034E-10	0.00092264	0.000115344	2.54618E-10	2.65822E-13	1.27088E-10	4.42267E-14
32	571550.6	4177919	0.55, 4177	0.18787	0.18026	0.15558	112.99449	35.73716	155.78517	14.12431	5.76206	19.47315	8.89E-07	0.00089	0.000111	2.74E-10	8.28E-10	6.54E-10	7.25E-14	1.75E-12	9.66E-14	1.91943E-12	4.446E-10	0.00089009	0.000111275	2.80624E-10	2.92972E-13	1.40069E-10	4.87439E-14
33	571590.6	4177919	0.55, 4177	0.19949	0.18751	0.17419	94.68734	29.26563	123.69427	11.83592	5.30509	15.46178	9.95E-07	0.000707	8.84E-05	3.07E-10	9.28E-10	7.33E-10	8.11E-14	1.96E-12	1.08E-13	2.14898E-12	4.977E-10	0.00070674	8.83536E-05	3.14185E-10	3.28009E-13	1.5682E-10	5.45733E-14
34	570310.6	4177959	0.55, 4177	0.08597	0.06676	0.0838	56.89619	26.25101	62.23098	7.11202	4.18522	7.77887	4.79E-07	0.000356	4.45E-05	1.48E-10	4.46E-10	3.52E-10	3.9E-14	9.43E-13	5.2E-14	1.03376E-12	2.394E-10	0.00035558	4.44528E-05	1.51138E-10	1.57788E-13	7.5438E-11	2.62524E-14
35	570350.6	4177959	0.55, 4177	0.09204	0.07257	0.08995	58.96006	27.16756	63.77509	7.37001	4.19821	7.97189	5.14E-07	0.000364	4.56E-05	1.59E-10	4.79E-10	3.78E-10	4.19E-14	1.01E-12	5.59E-14	1.10963E-12	2.57E-10	0.0003644	4.55559E-05	1.62231E-10	1.69369E-13	8.09745E-11	2.81791E-14
36	570390.6	4177959	0.55, 4177	0.09833	0.07904	0.09639	63.0038	28.02201	66.12463	7.87548	4.15896	8.26558	5.51E-07	0.000378	4.72E-05	1.7E-10	5.13E-10	4.05E-10	4.49E-14	1.08E-12	5.99E-14	1.18908E-12	2.754E-10	0.00037783	4.72346E-05	1.73846E-10	1.81495E-13	8.67722E-11	3.01967E-14
37	570430.6	4177959	0.55, 4177	0.10461	0.08611	0.10266	70.72142	28.76698	72.80329	8.84018	4.23038	9.10041	5.87E-07	0.000416	5.2E-05	1.81E-10	5.47E-10	4.32E-10	4.78E-14	1.15E-12	6.37E-14	1.26644E-12	2.933E-10	0.00041599	5.20056E-05	1.85155E-10	1.93302E-13	9.2417E-11	3.21611E-14
38	570470.6	4177959	0.55, 4177	0.11098	0.09385	0.10929	78.78718	29.82596	80.74124	9.8484	4.47695	10.09265	6.25E-07	0.000461	5.77E-05	1.93E-10	5.82E-10	4.6E-10	5.09E-14	1.23E-12	6.79E-14	1.34823E-12	3.123E-10	0.00046134	5.7676E-05	1.97114E-10	2.05787E-13	9.8386E-11	3.42383E-14
39	570510.6	4177959	0.55, 4177	0.1169	0.10189	0.11567	83.26174	30.87615	84.48278	10.40772	4.70339	10.56035	6.61E-07	0.000483	6.03E-05	2.04E-10	6.16E-10	4.86E-10	5.39E-14	1.3E-12	7.18E-14	1.42694E-12	3.305E-10	0.00048272	6.03489E-05	2.08622E-10	2.17801E-13	1.0413E-10	3.62372E-14
40	570550.6	4177959	0.55, 4177	0.12213	0.11	0.12099	82.46075	31.83495	82.01237	10.30759	4.9071	10.25155	6.91E-07	0.000469	5.86E-05	2.13E-10	6.44E-10	5.09E-10	5.63E-14	1.36E-12	7.51E-14	1.49258E-12	3.457E-10	0.0004686	5.85845E-05	2.18219E-10	2.2782E-13	1.0892E-10	3.79041E-14
41	570590.6	4177959	0.55, 4177	0.1275	0.1185	0.12492	87.61849	32.53805	91.54904	10.95231	5.6614	11.44363	7.14E-07	0.000523	6.54E-05	2.2E-10	6.65E-10	5.25E-10	5.82E-14	1.41E-12	7.76E-14	1.54108E-12	3.569E-10	0.00052309	6.5396E-05	2.25309E-10	2.35223E-13	1.12459E-10	3.91357E-14
42	570630.6	4177959	0.55, 4177	0.13429	0.12721	0.12893	94.25098	33.95012	99.61773	11.78137	6.34882	12.45222	7.37E-07	0.000569	7.12E-05	2.27E-10	6.86E-10	5.42E-10	6E-14	1.45E-12	8.01E-14	1.59057E-12	3.684E-10	0.00056919	7.11595E-05	2.32544E-10	2.42776E-13	1.1607E-10	4.03924E-14
43	570670.6	4177959	0.55, 4177	0.1434	0.13582	0.13624	91.47953	35.4429	96.20253	12.89467	6.97952	13.63762	7.79E-07	0.00055	7.79E-05	2.4E-10	7.25E-10	5.73E-10	6.35E-14	1.53E-12	8.46E-14	1.68075E-12	3.893E-10	0.00054968	7.79336E-05	2.45729E-10	2.56542E-13	1.22651E-10	4.26827E-14
44	570710.6	4177959	0.55, 4177	0.15342	0.14402	0.1467	103.54122	38.62398	108.53691	12.94265	7.57754	15.98544	8.38E-07	0.00062	9.13E-05	2.59E-10	7.81E-10	6.17E-10	6.83E-14	1.65E-12	9.11E-14	1.80979E-12	4.192E-10	0.00062016	9.13471E-05	2.64595E-10	2.76237E-13	1.32068E-10	4.59595E-14
45	570750.6	4177959	0.55, 4177	0.16261	0.1515	0.15549	105.52732	44.38977	114.23814	13.19092	8.09206	15.7724	8.89E-07	0.000653	9.01E-05	2.74E-10	8.28E-10	6.54E-10	7.24E-14	1.75E-12	9.66E-14	1.91822E-12	4.443E-10	0.00065274	9.01303E-05	2.80448E-10	2.92788E-13	1.39981E-10	4.87133E-14
46	570790.6	4177959	0.55, 4177	0.16989	0.15823	0.16076	113.60479	47.24143	124.57926	14.2006	8.3928	15.57241	9.19E-07	0.000712	8.9E-05	2.83E-10	8.56E-10	6.76E-10	7.49E-14	1.81E-12	9.98E-14	1.98324E-12	4.593E-10	0.00071182	8.89893E-05	2.89954E-10	3.02712E-13	1.44725E-10	5.03644E-14
47	570830.6	4177959	0.55, 4177	0.1738	0.16401	0.16481	115.20896	49.45722	130.36471	14.40112	8.28774	16.29559	9.42E-07	0.000745	9.31E-05	2.91E-10	8.78E-10	6.93E-10	7.68E-14	1.85E-12	1.02E-13	2.03321E-12	4.709E-10	0.00074488	9.31213E-05	2.9726E-10	3.10339E-13	1.48372E-10	5.16334E-14
48	570870.6	4177959	0.55, 4177	0.17339	0.16851	0.16469	122.33209	52.01335	138.82114	15.29151	7.46689	17.35264	9.41E-07	0.000793	9.92E-05	2.9E-10	8.77E-10	6.93E-10	7.67E-14	1.85E-12	1.02E-13	2.03175E-12	4.706E-10	0.00079319	9.91617E-05	2.97045E-10	3.10115E-13	1.48265E-10	5.15961E-14
49	570910.6	4177959	0.55, 4177	0.16973	0.17204	0.1579	128.70888	55.67631	149.19916	16.08861	6.95954	18.64989	9.02E-07	0.000852	0.000107	2.78E-10	8.41E-10	6.64E-10	7.35E-14	1.78E-12	9.81E-14	1.94801E-12	4.512E-10	0.00085249	0.000106574	2.84803E-10	2.97335E-13	1.42154E-10	4.94697E-14
50	570950.6	4177959	0.55, 4177	0.16375	0.1746	0.15354	137.78687	58.35606	146.62449	21.41966	8.40086	22.62642	8.77E-07	0.000838	0.000129	2.71E-10	8.18E-10	6.46E-10	7.15E-14	1.73E-12	9.54E-14	1.89425E-12	4.387E-10	0.00083779	0.000129301	2.76942E-10	2.89128E-13	1.38231E-10	4.81043E-14
51	570990.6	4177959	0.55, 4177	0.1571	0.17611	0.15296	148.41379	62.43724	189.01685	21.20197	10.20575	28.13097	8.74E-07	0.00108	0.000161	2.7E-10	8.14E-10	6.43E-10	7.12E-14	1.72E-12	9.5E-14	1.88709E-12	4.371E-10	0.00107999	0.000160749	2.75897E-10	2.88036E-13	1.37709E-10	4.79227E-14
52	571030.6	4177959	0.55, 4177	0.15135	0.1787	0.14372	141.29712	68.4386	198.29024	19.05284	11.40643	25.9054	8.21E-07	0.001133	0.000148	2.53E-10	7.65E-10	6.05E-10	6.69E-14	1.62E-12	8.93E-14	1.77314E-12	4.107E-10	0.00113298	0.000148031	2.59237E-10	2.70643E-13	1.29393E-10	4.50288E-14
53	571070.6	4177959	0.55, 4177	0.14838	0.1815	0.13361	143.49488	74.36914	202.29359	18.79197	11.80682	25.2867	7.64E-07	0.001156	0.000144	2.36E-10	7.11E-10	5.62E-10	6.22E-14	1.5E-12	8.3E-14	1.64846E-12	3.818E-10	0.00115586	0.000144495	2.41008E-10	2.51612E-13	1.20295E-10	4.18625E-14
54	571110.6	4177959	0.55, 4177	0.14858	0.18375	0.13332	140.62761	73.34522	192.64407	22.74237	10.22286	24.08051	7.62E-07	0.001101	0.000138	2.35E-10	7.1E-10	5.61E-10	6.21E-14	1.5E-12	8.28E-14	1.64489E-12	3.81E-10	0.00110072	0.000137611	2.40486E-10	2.51067E-13	1.20034E-10	4.17719E-14
55	571150.6	4177959	0.55, 4177	0.14994	0.18566	0.14292	146.3467	67.83983	199.40983	22.92053	11.48399	30.37919	8.17E-07	0.001139	0.000174	2.52E-10	7.61E-10	6.01E-10	6.66E-14	1.61E-12	8.88E-14	1.76329E-12	4.084E-10	0.00113937	0.000173596	2.57797E-10	2.6914E-13	1.28675E-10	4.47788E-14
56	571190.6	4177959	0.55, 4177	0.1525	0.18616	0.14359	161.89014	78.97315	204.49698	23.12716	11.84075	29.21385	8.21E-07	0.001168	0.000167	2.53E-10	7.65E-10	6.04E-10	6.69E-14	1.62E-12	8.92E-14	1.77156E-12	4.103E-10	0.00116845	0.000166939	2.59005E-10	2.70402E-13	1.29278E-10	4.49887E-14
57	571230.6	4177959	0.55, 4177	0.15542	0.18516	0.1383	156.07845	81.92899	197.17574	22.29692	11.22006	24.64697	7.9E-07	0.001127	0.000141	2.44E-10	7.36E-10	5.82E-10	6.44E-14	1.56E-12	8.59E-14	1.70631E-12	3.952E-10	0.00112663	0.000140846	2.49466E-10	2.60443E-13	1.24517E-10	4.33318E-14
58	571270.6	4177959	0.55, 4177	0.15909	0.18379	0.14205	158.42767	82.70179	205.30007	19.80346	11.54254	29.32858	8.12E-07	0.001173	0.000168	2.51E-10	7.56E-10	5.97E-10	6.62E-14	1.6E-12	8.82E-14	1.75256E-12	4.059E-10	0.00117305	0.000167589	2.56228E-10	2.67502E-13	1.27892E-10	4.45063E-14
59	571310.6	4177959	0.55, 4177	0.1655	0.18382	0.1484	150.26158	75.50789	204.0765	18.7827	10.48328	25.50956	8.48E-07	0.001166	0.000146	2.62E-10	7.9E-10	6.24E-10	6.91E-14	1.67E-12	9.22E-14	1.83088E-12	4.241E-10	0.00116604	0.000145769	2.67678E-10	2.79456E-13	1.33607E-10	4.64952E-14
60	571350.6	4177959	0.55, 4177	0.17654	0.1881	0.15257	154.82597	60.83045	189.56737	19.35325	9.71095	23.69592	8.72E-07	0.001083	0.000135	2.69E-10	8.12E-10	6.42E-10	7.11E-14	1.72E-12	9.48E-14	1.88233E-12	4.36E-10	0.00108313	0.000135408	2.752E-10	2.87309E-13	1.37361E-10	4.78016E-14
61	571390.6	4177959	0.55, 4177	0.18842	0.1934	0.15428	152.92189	54.55359	214.59873	19.11524	9.16318	26.82484	8.82E-07	0.001226	0.000153	2.72E-10	8.22E-10	6.49E-10	7.19E-14	1.74E-12	9.58E-14	1.90344E-12	4.409E-10	0.00122613	0.000153284	2.78286E-10	2.90531E-13	1.38902E-10	4.83377E-14
62	571430.6	4177959	0.55, 4177	0.20645	0.20414	0.16292	148.33328	50.38722	217.66749	18.54166	8.09078	27.20844	9.31E-07	0.001244	0.000155	2.87E-10	8.68E-10	6.85E-10	7.59E-14	1.83E-12	1.01E-13	2.01004E-12	4.656E-10	0.00124366	0.000155474	2.93871E-10	3.06801E-13	1.4668E-10	5.10448E-14
63	571470.6	4177959	0.55, 4177	0.22554	0.21577	0.17809	134.13897	46.24246	185.84967	16.76737	6.92684	23.23121	1.02E-06	0.001062	0.000133	3.14E-10	9.48E-10	7.49E-10	8.29E-14	2E-12	1.11E-13	2.19717E-12	5.089E-10	0.00106187	0.000132749	3.21231E-10	3.35365E-13	1.60337E-10	5.57972E-14
64	571510.6	4177959	0.55, 4177	0.24332	0.22654	0.20114	122.33786	38.55117	174.21255	15.29223	6.75463	21.77657	1.15E-06	0.000995	0.000124	3.55E-10	1.07E-09	8.46E-10	9.37E-14	2.26E-12	1.25E-13	2.4815E-12	5.747E-10	0.00099537	0.000124436	3.628E-10	3.78763E-13	1.81085E-10	6.30175E-14
65	571550.6	4177959	0.55, 4177	0.25539	0.23344	0.22684	100.38932	31.1899	131.18831	12.54867	6.13877	16.39854	1.3E-06	0.00075	9.37E-05	4E-10	1.21E-09	9.54E-10	1.06E-13	2.55E-12	1.41E-13	2.79849E-12	6.482E-10	0.00074955	9.37065E-05	4.09144E-10	4.27147E-13	2.04217E-10	7.10675E-14
66	571590.6	4177959	0.55, 4177	0.26174	0.2364	0.25018	103.20811	24.1035	113.64553	12.90101	5.55119	14.20569	1.43E-06	0.000649	8.12E-05	4.41E-10	1.33E-09	1.05E-09	1.17E-13	2.81E-12	1.55E-13	3.08636E-12	7.148E-10	0.00064932	8.11791E-05	4.51232E-10	4.71086E-13	2.25224E-10	7.8378E-14
67	570310.6	4177999	0.55, 4177	0.08992	0.06909	0.08739	61.55411	26.71644	63.33313	7.69426	4.42886	7.91664	4.99E-07	0.000362	4.52E-05	1.54E-10	4.65E-10	3.68E-10	4.07E-14	9.83E-13	5.43E-14	1.07805E-12	2.497E-10	0.00036188	4.52408E-05	1.57613E-10	1.64548E-13	7.86697E-11	2.7377E-14
68	570350.6	4177999	0.55, 4177	0.09687	0.07551	0.09431	63.16088	27.72336	68.96816	7.89511	4.52605	8.62102	5.39E-07	0.000394	4.93E-05	1.66E-10	5.02E-10	3.97E-10	4.39E-14	1.06E-12	5.86E-14	1.16342E-12	2.695E-10	0.00039407	4.92653E-05	1.70094E-10	1.77578E-13	8.48993E-11	2.9545E-14
69	570390.6	4177999	0.55, 4177	0.10411	0.08268	0.10154	65.18315	28.66629	70.59128	8.14789	4.5901	8.82391	5.8E-07	0.000403	5.04E-05	1.79E-10	5.41E-10	4.27E-10	4.73E-14	1.14E-12	6.31E-14	1.25261E-12	2.901E-10	0.00040335	5.04248E-05	1.83134E-10	1.91192E-13	9.14082E-11	3.18101E-14
70	570430.6	4177999	0.55, 4177	0.11178	0.0909	0.10932	69.77828	29.77159	73.90272	8.72229	4.64595	9.23784	6.25E-07	0.000422	5.28E-05	1.93E-10	5.82E-10	4.6E-10	5.09E-14	1.23E-12	6.79E-14	1.34859E-12	3.124E-10	0.00042227	5.27906E-05	1.97167E-10	2.05842E-13	9.84123E-11	3.42475E-14
71	570470.6	4177999	0.55, 4177	0.11947	0.09994	0.11702	73.23749	30.82615	79.61188	9.15469	4.70414	9.95148	6.69E-07	0.000455	5.69E-05	2.06E-10	6.23E-10	4.92E-10	5.45E-14	1.32E-12	7.27E-14	1.44359E-12	3.344E-10	0.00045489	5.68684E-05	2.11056E-10	2.20342E-13	1.05345E-10	3.66599E-14
72	570510.6	4177999	0.55, 4177	0.12689	0.1096	0.1248	83.36058	31.87471	86.19643	10.42007	5.00665	10.77455	7.13E-07	0.000493	6.16E-05	2.2E-10	6.64E-10	5.25E-10	5.81E-14	1.4E-12	7.75E-14	1.53958E-12	3.566E-10	0.00049251	6.15727E-05	2.25089E-10	2.34993E-13	1.12349E-10	3.90975E-14
73	570550.6	4177999	0.55, 4177	0.1338	0.11968	0.13227	93.92369	33.13511	96.59692	11.74046	5.30601	12.07462	7.56E-07	0.000552	6.9E-05	2.33E-10	7.04E-10	5.56E-10	6.16E-14	1.49E-12	8.21E-14	1.63174E-12	3.779E-10	0.00055193	6.90022E-05	2.38563E-10	2.4906E-13	1.19075E-10	4.14379E-14
74	570590.6	4177999	0.55, 4177	0.14077	0.13095	0.13895	98.98148	34.43475	100.81152	12.37268	5.77536	12.60144	7.94E-07	0.000576	7.2E-05	2.45E-10	7.4E-10	5.84E-10	6.47E-14	1.56E-12	8.63E-14	1.71416E-12	3.97E-10	0.00057601	7.2013E-05	2.50614E-10	2.61641E-13	1.25089E-10	4.35311E-14
75	570630.6	4177999	0.55, 4177	0.14863	0.14246	0.14416	96.29887	35.58815	97.29546	12.03736	6.62596	12.16193	8.24E-07	0.000556	6.95E-05	2.54E-10	7.68E-10	6.06E-10	6.71E-14	1.62E-12	8.95E-14	1.77846E-12	4.119E-10	0.00055593	6.95015E-05	2.60014E-10	2.71454E-13	1.29781E-10	4.51638E-14
76	570670.6	4177999	0.55, 4177	0.15906	0.15417	0.15133	108.0953	37.02771	115.61321	13.51191	7.37805	14.45165	8.65E-07	0.000661	8.26E-05	2.67E-10	8.06E-10	6.36E-10	7.05E-14	1.7E-12	9.4E-14	1.86692E-12	4.324E-10	0.00066058	8.25852E-05	2.72948E-10	2.84958E-13	1.36237E-10	4.74105E-14
77	570710.6	4177999	0.55, 4177	0.17207	0.16581	0.16328	109.21603	39.28347	116.55796	14.39109	8.06843	17.60456	9.33E-07	0.000666	0.000101	2.88E-10	8.69E-10	6.87E-10	7.6E-14	1.84E-12	1.01E-13	2.01435E-12	4.665E-10	0.00066598	0.0001006	2.94502E-10	3.0746E-13	1.46995E-10	5.11543E-14
78	570750.6	4177999	0.55, 4177	0.18601	0.17706	0.17647	119.66853	46.10023	126.10142	14.95857	8.7788	16.77146	1.01E-06	0.000721	9.58E-05	3.11E-10	9.4E-10	7.42E-10	8.22E-14	1.99E-12	1.1E-13	2.17706E-12	5.042E-10	0.00072052	9.58408E-05	3.18291E-10	3.32296E-13	1.58869E-10	5.52865E-14
79	570790.6	4177999	0.55, 4177	0.19953	0.18772	0.18696	122.67556	49.8289	134.57394	15.33445	9.45426	16.82174	1.07E-06	0.000769	9.61E-05	3.3E-10	9.95E-10	7.86E-10	8.71E-14	2.1E-12	1.16E-13	2.30648E-12	5.342E-10	0.00076893	9.61287E-05	3.37211E-10	3.52049E-13	1.68313E-10	5.85729E-14
80	570830.6	4177999	0.55, 4177	0.21109	0.19773	0.1968	133.54261	52.4094	148.58094	16.69283	9.90962	18.57262	1.12E-06	0.000849	0.000106	3.47E-10	1.05E-09	8.28E-10	9.17E-14	2.21E-12	1.22E-13	2.42787E-12	5.623E-10	0.00084896	0.000106134	3.54959E-10	3.70578E-13	1.77172E-10	6.16557E-14
81	570870.6	4177999	0.55, 4177	0.21804	0.20674	0.20398	131.45449	55.15858	156.57352	16.43181	9.77159	19.57169	1.17E-06	0.000895	0.000112	3.6E-10	1.09E-09	8.58E-10	9.5E-14	2.29E-12	1.27E-13	2.51645E-12	5.828E-10	0.00089462	0.000111841	3.6791E-10	3.84098E-13	1.83636E-10	6.39053E-14
82	570910.6	4177999	0.55, 4177	0.21803	0.21414	0.20286	148.11273	59.13207	173.84644	18.51409	8.43226	21.73081	1.16E-06	0.000993	0.000124	3.58E-10	1.08E-09	8.53E-10	9.45E-14	2.28E-12	1.26E-13	2.50266E-12	5.797E-10	0.00099331	0.00012418	3.65894E-10	3.81994E-13	1.82629E-10	6.35551E-14
83	570950.6	4177999	0.55, 4177	0.2114	0.21889	0.19586	140.12444	63.58464	170.21851	21.83562	9.32684	21.27731	1.12E-06	0.000973	0.000122	3.45E-10	1.04E-09	8.24E-10	9.12E-14	2.2E-12	1.22E-13	2.41634E-12	5.597E-10	0.00097259	0.000121594	3.53274E-10	3.68818E-13	1.7633E-10	6.13629E-14
84	570990.6	4177999	0.55, 4177	0.2013	0.22185	0.19061	171.25011	67.61488	221.4052	25.43318	11.18299	33.45295	1.09E-06	0.001265	0.000191	3.36E-10	1.01E-09	8.02E-10	8.88E-14	2.14E-12	1.18E-13	2.3516E-12	5.447E-10	0.00126504	0.000191161	3.43808E-10	3.58936E-13	1.71606E-10	5.97188E-14
85	571030.6	4177999	0.55, 4177	0.19301	0.22456	0.1804	161.4506	75.02365	233.40135	21.94671	12.50394	33.34305	1.03E-06	0.001334	0.000191	3.18E-10	9.61E-10	7.59E-10	8.4E-14	2.03E-12	1.12E-13	2.22568E-12	5.155E-10	0.00133358	0.000190527	3.25399E-10	3.39716E-13	1.62417E-10	5.65211E-14
86	571070.6	4177999	0.55, 4177	0.18927	0.22808	0.16676	165.36156	82.48884	231.46597	21.97245	12.95225	28.93325	9.53E-07	0.001323	0.000165	2.94E-10	8.88E-10	7.01E-10	7.77E-14	1.88E-12	1.04E-13	2.05746E-12	4.765E-10	0.00132254	0.000165334	3.00805E-10	3.1404E-13	1.50141E-10	5.22492E-14
87	571110.6	4177999	0.55, 4177	0.18141	0.21619	0.16049	158.60632	80.72549	237.56536	25.62624	11.81551	29.69982	9.17E-07	0.001357	0.00017	2.83E-10	8.55E-10	6.75E-10	7.48E-14	1.81E-12	9.97E-14	1.98009E-12	4.586E-10	0.00135738	0.000169719	2.89494E-10	3.02231E-13	1.44496E-10	5.02844E-14
88	571150.6	4177999	0.55, 4177	0.19202	0.23351	0.18032	164.05988	80.42402	231.86209	24.96785	14.13496	37.65816	1.03E-06	0.001325	0.000215	3.18E-10	9.6E-10	7.58E-10	8.4E-14	2.03E-12	1.12E-13	2.22472E-12	5.153E-10	0.0013248	0.000215185	3.25258E-10	3.3957E-13	1.62347E-10	5.64967E-14
89	571190.6	4177999	0.55, 4177	0.1978	0.23414	0.17819	182.21875	91.74664	241.78028	26.03125	13.21695	31.92825	1.02E-06	0.001381	0.000182	3.14E-10	9.49E-10	7.5E-10	8.3E-14	2E-12	1.11E-13	2.19845E-12	5.092E-10	0.00138148	0.000182451	3.21418E-10	3.35561E-13	1.6043E-10	5.58297E-14
90	571230.6	4177999	0.55, 4177	0.20367	0.23289	0.17473	172.67663	91.69738	231.55794	22.62496	13.85272	33.07971	9.99E-07	0.001323	0.000189	3.08E-10	9.3E-10	7.35E-10	8.14E-14	1.97E-12	1.09E-13	2.15578E-12	4.993E-10	0.00132308	0.000189024	3.15179E-10	3.29047E-13	1.57316E-10	5.47459E-14
91	571270.6	4177999	0.55, 4177	0.21358	0.23476	0.18394	171.66845	86.35935	210.57834	21.45856	13.01074	28.58393	1.05E-06	0.001203	0.000163	3.24E-10	9.79E-10	7.74E-10	8.57E-14	2.07E-12	1.14E-13	2.26938E-12	5.256E-10	0.00120321	0.000163337	3.31787E-10	3.46386E-13	1.65606E-10	5.76308E-14
92	571310.6	4177999	0.55, 4177	0.23025	0.24083	0.19159	171.26207	72.34733	231.62674	21.40776	11.81711	28.95334	1.09E-06	0.001323	0.000165	3.38E-10	1.02E-09	8.06E-10	8.92E-14	2.16E-12	1.19E-13	2.36375E-12	5.475E-10	0.00132344	0.000165448	3.45585E-10	3.60791E-13	1.72493E-10	6.00274E-14
93	571350.6	4177999	0.55, 4177	0.25373	0.25254	0.198	169.27826	60.68614	249.61103	21.15978	11.13084	31.20138	1.13E-06	0.001426	0.000178	3.49E-10	1.05E-09	8.33E-10	9.22E-14	2.23E-12	1.23E-13	2.44285E-12	5.658E-10	0.00142617	0.00017829	3.5715E-10	3.72864E-13	1.78265E-10	6.20362E-14
94	571390.6	4177999	0.55, 4177	0.27999	0.26698	0.21185	164.13881	55.69534	253.30621	20.51735	9.69774	31.66328	1.21E-06	0.001447	0.000181	3.74E-10	1.13E-09	8.91E-10	9.87E-14	2.38E-12	1.32E-13	2.61372E-12	6.054E-10	0.00144727	0.000180928	3.82131E-10	3.98945E-13	1.90734E-10	6.63754E-14
95	571430.6	4177999	0.55, 4177	0.30187	0.27888	0.2328	148.06777	50.74185	217.39094	18.50847	8.30154	27.17387	1.33E-06	0.001242	0.000155	4.11E-10	1.24E-09	9.79E-10	1.08E-13	2.62E-12	1.45E-13	2.87215E-12	6.652E-10	0.00124208	0.000155277	4.19914E-10	4.3839E-13	2.09592E-10	7.29381E-14
96	571470.6	4177999	0.55, 4177	0.32222	0.29016	0.268	133.22849	41.8567	195.88733	16.65356	8.00082	24.48592	1.53E-06	0.001119	0.00014	4.73E-10	1.43E-09	1.13E-09	1.25E-13	3.02E-12	1.66E-13	3.30632E-12	7.658E-10	0.00111921	0.000139917	4.83391E-10	5.0466E-13	2.41276E-10	8.3964E-14
97	571510.6	4177999	0.55, 4177	0.33311	0.29527	0.30394	113.25391	33.39085	138.27651	14.15674	7.16119	17.28456	1.74E-06	0.00079	9.88E-05	5.36E-10	1.62E-09	1.28E-09	1.42E-13	3.42E-12	1.89E-13	3.7496E-12	8.685E-10	0.00079006	9.8771E-05	5.48199E-10	5.7232E-13	2.73624E-10	9.5221E-14
98	571550.6	4177999	0.55, 4177	0.33431	0.29408	0.33024	118.79132	25.19774	142.42424	14.84891	6.75336	17.80303	1.89E-06	0.000814	0.000102	5.82E-10	1.76E-09	1.39E-09	1.54E-13	3.72E-12	2.05E-13	4.07396E-12	9.436E-10	0.00081374	0.000101734	5.95621E-10	6.21829E-13	2.97294E-10	1.03458E-13
99	571590.6	4177999	0.55, 4177	0.32897	0.28857	0.34209	117.12124	19.87515	150.29933	14.64016	6.7762	18.78742	1.95E-06	0.000859	0.000107	6.03E-10	1.82E-09	1.44E-09	1.59E-13	3.85E-12	2.12E-13	4.2201E-12	9.774E-10	0.00085872	0.000107358	6.16986E-10	6.44134E-13	3.07957E-10	1.07169E-13
100	570310.6	4178039	0.55, 4178	0.09395	0.07118	0.09114	60.38117	27.45867	68.75884	7.54765	4.57644	8.59485	5.21E-07	0.000393	4.91E-05	1.61E-10	4.85E-10	3.83E-10	4.24E-14	1.03E-12	5.66E-14	1.12431E-12	2.604E-10	0.00039288	4.91153E-05	1.64376E-10	1.71608E-13	8.20453E-11	2.85518E-14
101	570350.6	4178039	0.55, 4178	0.10181	0.07823	0.09867	67.40685	28.30867	69.9761	8.42586	4.71811	8.74701	5.64E-07	0.0004	5E-05	1.74E-10	5.25E-10	4.15E-10	4.6E-14	1.11E-12	6.13E-14	1.2172E-12	2.819E-10	0.00039983	4.99859E-05	1.77957E-10	1.85787E-13	8.88241E-11	3.09108E-14
102	570390.6	4178039	0.55, 4178	0.11033	0.08626	0.10708	70.86935	29.39362	77.00767	8.85867	4.86131	9.62596	6.12E-07	0.00044	5.5E-05	1.89E-10	5.7E-10	4.5E-10	4.99E-14	1.2E-12	6.65E-14	1.32095E-12	3.06E-10	0.00044001	5.50082E-05	1.93126E-10	2.01623E-13	9.63952E-11	3.35455E-14
103	570430.6	4178039	0.55, 4178	0.11935	0.09539	0.11615	72.77771	30.53752	78.92837	9.09721	4.99157	9.86605	6.64E-07	0.000451	5.64E-05	2.05E-10	6.18E-10	4.88E-10	5.41E-14	1.31E-12	7.21E-14	1.43285E-12	3.319E-10	0.00045098	5.63802E-05	2.09485E-10	2.18702E-13	1.04561E-10	3.63871E-14
104	570470.6	4178039	0.55, 4178	0.12876	0.10583	0.1256	77.88414	31.78332	83.40463	9.73552	5.12346	10.42558	7.18E-07	0.000477	5.96E-05	2.21E-10	6.69E-10	5.28E-10	5.85E-14	1.41E-12	7.8E-14	1.54943E-12	3.589E-10	0.00047656	5.95779E-05	2.2653E-10	2.36497E-13	1.13068E-10	3.93478E-14
105	570510.6	4178039	0.55, 4178	0.13797	0.11733	0.13491	81.61557	33.05226	90.60057	10.20195	5.27698	11.32507	7.71E-07	0.000518	6.47E-05	2.38E-10	7.18E-10	5.67E-10	6.28E-14	1.52E-12	8.38E-14	1.66429E-12	3.855E-10	0.00051767	6.47175E-05	2.43323E-10	2.54029E-13	1.2145E-10	4.22647E-14
106	570550.6	4178039	0.55, 4178	0.14677	0.12979	0.14418	83.22783	34.40977	92.92473	10.40348	5.64664	11.61559	8.24E-07	0.000531	6.64E-05	2.54E-10	7.68E-10	6.06E-10	6.71E-14	1.62E-12	8.95E-14	1.77866E-12	4.12E-10	0.00053095	6.63776E-05	2.60044E-10	2.71486E-13	1.29796E-10	4.51691E-14
107	570590.6	4178039	0.55, 4178	0.15543	0.14397	0.15331	100.7883	35.81672	104.85134	12.59854	6.05306	13.10642	8.76E-07	0.000599	7.49E-05	2.7E-10	8.16E-10	6.45E-10	7.14E-14	1.72E-12	9.52E-14	1.89131E-12	4.381E-10	0.00059909	7.48983E-05	2.76514E-10	2.8868E-13	1.38017E-10	4.80298E-14
108	570630.6	4178039	0.55, 4178	0.16446	0.15887	0.16086	114.63184	37.47906	118.86748	14.32898	6.85921	14.85844	9.19E-07	0.000679	8.49E-05	2.84E-10	8.57E-10	6.77E-10	7.49E-14	1.81E-12	9.99E-14	1.98448E-12	4.596E-10	0.00067918	8.49105E-05	2.90134E-10	3.029E-13	1.44815E-10	5.03957E-14
109	570670.6	4178039	0.55, 4178	0.17604	0.17458	0.16859	120.19022	39.09251	122.97013	15.02378	7.81169	15.37127	9.63E-07	0.000703	8.78E-05	2.97E-10	8.98E-10	7.09E-10	7.85E-14	1.9E-12	1.05E-13	2.07987E-12	4.817E-10	0.00070262	8.78415E-05	3.0408E-10	3.1746E-13	1.51776E-10	5.28181E-14
110	570710.6	4178039	0.55, 4178	0.19156	0.191	0.18153	122.05191	40.81454	130.55962	15.86896	8.63568	17.88475	1.04E-06	0.000746	0.000102	3.2E-10	9.67E-10	7.64E-10	8.45E-14	2.04E-12	1.13E-13	2.23951E-12	5.187E-10	0.00074598	0.000102203	3.27421E-10	3.41828E-13	1.63426E-10	5.68724E-14
111	570750.6	4178039	0.55, 4178	0.2105	0.20761	0.19902	132.53323	47.68084	144.79481	16.56665	9.43658	19.64627	1.14E-06	0.000827	0.000112	3.51E-10	1.06E-09	8.37E-10	9.27E-14	2.24E-12	1.24E-13	2.45528E-12	5.687E-10	0.00082732	0.000112268	3.58967E-10	3.74761E-13	1.79172E-10	6.23518E-14
112	570790.6	4178039	0.55, 4178	0.23169	0.22417	0.21523	139.552	52.7884	147.64201	17.444	10.33029	19.40572	1.23E-06	0.000844	0.000111	3.8E-10	1.15E-09	9.05E-10	1E-13	2.42E-12	1.34E-13	2.65526E-12	6.15E-10	0.00084359	0.000110895	3.88204E-10	4.05285E-13	1.93765E-10	6.74303E-14
113	570830.6	4178039	0.55, 4178	0.25382	0.24067	0.23208	145.24751	55.81087	161.73262	18.15594	11.28689	20.21658	1.33E-06	0.000924	0.000116	4.09E-10	1.24E-09	9.76E-10	1.08E-13	2.61E-12	1.44E-13	2.86314E-12	6.631E-10	0.0009241	0.000115528	4.18596E-10	4.37014E-13	2.08935E-10	7.27092E-14
114	570870.6	4178039	0.55, 4178	0.27385	0.25672	0.25028	159.27674	59.06353	181.66903	19.90959	12.04587	22.70863	1.43E-06	0.001038	0.00013	4.41E-10	1.33E-09	1.05E-09	1.17E-13	2.82E-12	1.55E-13	3.08766E-12	7.151E-10	0.00103801	0.000129768	4.51422E-10	4.71284E-13	2.25319E-10	7.8411E-14
115	570910.6	4178039	0.55, 4178	0.28498	0.272	0.26185	154.31681	63.03506	190.144	19.2896	11.80173	23.768	1.5E-06	0.001086	0.000136	4.62E-10	1.39E-09	1.1E-09	1.22E-13	2.95E-12	1.63E-13	3.2304E-12	7.482E-10	0.00108643	0.00013582	4.72291E-10	4.93072E-13	2.35736E-10	8.2036E-14
116	570950.6	4178039	0.55, 4178	0.28313	0.28254	0.2606	178.15221	69.82475	214.80591	22.26903	10.41815	26.85074	1.49E-06	0.001227	0.000153	4.6E-10	1.39E-09	1.1E-09	1.21E-13	2.93E-12	1.62E-13	3.21502E-12	7.446E-10	0.00122734	0.000153436	4.70042E-10	4.90724E-13	2.34613E-10	8.16453E-14
117	570990.6	4178039	0.55, 4178	0.27042	0.28832	0.24711	188.87787	74.10995	223.28286	29.14051	12.35166	34.29706	1.41E-06	0.001276	0.000196	4.36E-10	1.32E-09	1.04E-09	1.15E-13	2.78E-12	1.53E-13	3.04866E-12	7.061E-10	0.00127578	0.000195989	4.45719E-10	4.65331E-13	2.22473E-10	7.74205E-14
118	571030.6	4178039	0.55, 4178	0.25749	0.29249	0.23391	188.96663	83.29257	277.8919	26.99523	13.88209	39.69884	1.34E-06	0.001588	0.000227	4.13E-10	1.25E-09	9.84E-10	1.09E-13	2.63E-12	1.45E-13	2.88586E-12	6.684E-10	0.00158778	0.000226847	4.21919E-10	4.40483E-13	2.10593E-10	7.32864E-14
119	571070.6	4178039	0.55, 4178	0.25163	0.29646	0.21613	192.59035	92.57991	271.23553	26.01862	14.40126	34.27332	1.24E-06	0.00155	0.000196	3.81E-10	1.15E-09	9.09E-10	1.01E-13	2.43E-12	1.34E-13	2.66659E-12	6.176E-10	0.00154976	0.000195848	3.8986E-10	4.07014E-13	1.94592E-10	6.77179E-14
120	571110.6	4178039	0.55, 4178	0.23996	0.28057	0.20816	179.79911	89.13384	295.00102	29.33997	15.522	36.88643	1.19E-06	0.001686	0.000211	3.67E-10	1.11E-09	8.76E-10	9.7E-14	2.34E-12	1.29E-13	2.56824E-12	5.948E-10	0.00168553	0.000210783	3.75482E-10	3.92003E-13	1.87415E-10	6.52204E-14
121	571150.6	4178039	0.55, 4178	0.25767	0.30302	0.23363	202.30498	100.11261	284.90591	28.90071	16.95197	47.48432	1.34E-06	0.001628	0.000271	4.12E-10	1.24E-09	9.83E-10	1.09E-13	2.63E-12	1.45E-13	2.88244E-12	6.676E-10	0.00162788	0.000271329	4.21419E-10	4.39961E-13	2.10344E-10	7.31996E-14
122	571190.6	4178039	0.55, 4178	0.27122	0.30641	0.22867	194.68377	101.89225	297.80862	27.81197	16.7188	37.22608	1.31E-06	0.001702	0.000213	4.03E-10	1.22E-09	9.62E-10	1.07E-13	2.57E-12	1.42E-13	2.82129E-12	6.534E-10	0.00170159	0.000212721	4.12477E-10	4.30626E-13	2.05881E-10	7.16465E-14
123	571230.6	4178039	0.55, 4178	0.28804	0.31092	0.2326	196.84209	99.06119	294.63263	24.60526	16.26482	42.09038	1.33E-06	0.001683	0.000241	4.1E-10	1.24E-09	9.78E-10	1.08E-13	2.62E-12	1.44E-13	2.86977E-12	6.647E-10	0.00168344	0.000240506	4.19567E-10	4.38028E-13	2.09419E-10	7.28778E-14
124	571270.6	4178039	0.55, 4178	0.31661	0.32283	0.24843	191.8709	85.51951	280.99547	23.98386	14.63938	35.12443	1.42E-06	0.001606	0.000201	4.38E-10	1.32E-09	1.04E-09	1.16E-13	2.8E-12	1.54E-13	3.06506E-12	7.099E-10	0.00160551	0.000200708	4.48117E-10	4.67834E-13	2.2367E-10	7.7837E-14
125	571310.6	4178039	0.55, 4178	0.35598	0.34149	0.26147	189.38373	68.10225	290.04443	23.67297	13.72977	36.25555	1.49E-06	0.001657	0.000207	4.61E-10	1.39E-09	1.1E-09	1.22E-13	2.94E-12	1.62E-13	3.22595E-12	7.472E-10	0.00165719	0.000207169	4.71641E-10	4.92393E-13	2.35411E-10	8.1923E-14
126	571350.6	4178039	0.55, 4178	0.39399	0.35989	0.2835	182.95784	62.01914	299.45287	22.86973	11.81322	37.43161	1.62E-06	0.001711	0.000214	5E-10	1.51E-09	1.19E-09	1.32E-13	3.19E-12	1.76E-13	3.49773E-12	8.101E-10	0.00171093	0.000213887	5.11374E-10	5.33875E-13	2.55243E-10	8.88246E-14
127	571390.6	4178039	0.55, 4178	0.4222	0.3733	0.32107	164.47464	56.17724	258.72398	20.55933	10.13431	32.3405	1.83E-06	0.001478	0.000185	5.66E-10	1.71E-09	1.35E-09	1.5E-13	3.61E-12	1.99E-13	3.96114E-12	9.175E-10	0.00147823	0.000184797	5.79126E-10	6.04608E-13	2.8906E-10	1.00593E-13
128	571430.6	4178039	0.55, 4178	0.44026	0.38105	0.3744	146.31006	45.8458	221.86738	18.28876	9.60517	27.73342	2.14E-06	0.001268	0.000158	6.6E-10	1.99E-09	1.57E-09	1.74E-13	4.21E-12	2.33E-13	4.6189E-12	1.07E-09	0.00126764	0.000158473	6.75293E-10	7.05006E-13	3.3706E-10	1.17297E-13
129	571470.6	4178039	0.55, 4178	0.44344	0.3799	0.42037	134.05635	35.96521	154.66668	16.75704	8.42199	19.33334	2.4E-06	0.000884	0.00011	7.41E-10	2.24E-09	1.77E-09	1.96E-13	4.73E-12	2.61E-13	5.18586E-12	1.201E-09	0.0008837	0.00011048	7.58183E-10	7.91544E-13	3.78434E-10	1.31695E-13
130	571510.6	4178039	0.55, 4178	0.43369	0.37075	0.44522	135.2804	26.4112	176.84451	16.91005	8.14543	22.10556	2.54E-06	0.00101	0.000126	7.85E-10	2.37E-09	1.87E-09	2.07E-13	5.01E-12	2.76E-13	5.49232E-12	1.272E-09	0.00101039	0.000126318	8.02987E-10	8.38319E-13	4.00797E-10	1.39477E-13
131	571550.6	4178039	0.55, 4178	0.4157	0.35641	0.44493	128.00174	25.24959	172.96462	16.00022	7.84928	21.62058	2.54E-06	0.000988	0.000124	7.85E-10	2.37E-09	1.87E-09	2.07E-13	5.01E-12	2.76E-13	5.48869E-12	1.271E-09	0.00098822	0.000123546	8.02457E-10	8.37765E-13	4.00532E-10	1.39385E-13
132	571590.6	4178039	0.55, 4178	0.38889	0.33646	0.4222	114.21376	28.264	151.26331	14.27672	7.21894	18.90791	2.41E-06	0.000864	0.000108	7.44E-10	2.25E-09	1.78E-09	1.97E-13	4.75E-12	2.62E-13	5.20828E-12	1.206E-09	0.00086424	0.000108046	7.61461E-10	7.94965E-13	3.8007E-10	1.32264E-13
133	570310.6	4178079	0.55, 4178	0.09792	0.07296	0.09477	71.40728	28.01469	77.09789	8.92591	4.66912	9.63724	5.42E-07	0.000441	5.51E-05	1.67E-10	5.05E-10	3.99E-10	4.41E-14	1.07E-12	5.88E-14	1.16908E-12	2.708E-10	0.00044052	5.50727E-05	1.70922E-10	1.78443E-13	8.53128E-11	2.96889E-14
134	570350.6	4178079	0.55, 4178	0.1067	0.08065	0.10312	70.03301	29.10671	80.22931	8.75413	4.85112	10.02866	5.89E-07	0.000458	5.73E-05	1.82E-10	5.49E-10	4.34E-10	4.8E-14	1.16E-12	6.4E-14	1.27209E-12	2.946E-10	0.00045841	5.73087E-05	1.85983E-10	1.94166E-13	9.28298E-11	3.23048E-14
135	570390.6	4178079	0.55, 4178	0.11641	0.08948	0.11242	73.93226	30.15719	77.81828	9.24153	5.0262	9.72728	6.42E-07	0.000445	5.56E-05	1.98E-10	5.99E-10	4.73E-10	5.24E-14	1.26E-12	6.98E-14	1.38682E-12	3.212E-10	0.00044464	5.55876E-05	2.02756E-10	2.11678E-13	1.01202E-10	3.52184E-14
136	570430.6	4178079	0.55, 4178	0.12715	0.09969	0.12302	79.99098	31.34254	86.52141	9.99887	5.20891	10.81518	7.03E-07	0.000494	6.18E-05	2.17E-10	6.55E-10	5.17E-10	5.73E-14	1.38E-12	7.64E-14	1.51759E-12	3.515E-10	0.00049436	6.18041E-05	2.21875E-10	2.31637E-13	1.10745E-10	3.85392E-14
137	570470.6	4178079	0.55, 4178	0.13857	0.11144	0.13449	81.53824	32.65768	88.86509	10.19228	5.39019	11.10814	7.69E-07	0.000508	6.35E-05	2.37E-10	7.16E-10	5.66E-10	6.26E-14	1.51E-12	8.35E-14	1.65909E-12	3.843E-10	0.00050776	6.34781E-05	2.42563E-10	2.53236E-13	1.21071E-10	4.21327E-14
138	570510.6	4178079	0.55, 4178	0.15049	0.12507	0.14657	87.75299	34.11951	95.20757	10.96912	5.60116	11.90095	8.38E-07	0.000544	6.8E-05	2.58E-10	7.8E-10	6.16E-10	6.83E-14	1.65E-12	9.1E-14	1.80813E-12	4.188E-10	0.00054399	6.80088E-05	2.64352E-10	2.75983E-13	1.31946E-10	4.59173E-14
139	570550.6	4178079	0.55, 4178	0.16198	0.14034	0.1583	91.64015	35.64897	104.22382	11.45502	5.99366	13.02798	9.05E-07	0.000596	7.44E-05	2.79E-10	8.43E-10	6.66E-10	7.37E-14	1.78E-12	9.83E-14	1.95285E-12	4.523E-10	0.00059551	7.44484E-05	2.8551E-10	2.98072E-13	1.42507E-10	4.95925E-14
140	570590.6	4178079	0.55, 4178	0.17272	0.15744	0.16968	88.35639	37.38874	105.88084	11.57204	6.46071	13.23511	9.7E-07	0.000605	7.56E-05	2.99E-10	9.03E-10	7.14E-10	7.9E-14	1.91E-12	1.05E-13	2.09326E-12	4.848E-10	0.00060498	7.56319E-05	3.06038E-10	3.19504E-13	1.52753E-10	5.31582E-14
141	570630.6	4178079	0.55, 4178	0.1831	0.1763	0.17984	101.08083	39.23196	114.54818	12.6351	7.02353	14.31852	1.03E-06	0.000654	8.18E-05	3.17E-10	9.58E-10	7.56E-10	8.38E-14	2.02E-12	1.12E-13	2.21862E-12	5.139E-10	0.0006545	8.18233E-05	3.24367E-10	3.38639E-13	1.61902E-10	5.63419E-14
142	570670.6	4178079	0.55, 4178	0.19537	0.19687	0.18849	125.63761	41.20021	131.91916	15.7047	8.22231	16.4899	1.08E-06	0.000754	9.42E-05	3.32E-10	1E-09	7.93E-10	8.78E-14	2.12E-12	1.17E-13	2.32537E-12	5.386E-10	0.00075375	9.42334E-05	3.39974E-10	3.54933E-13	1.69692E-10	5.90528E-14
143	570710.6	4178079	0.55, 4178	0.21241	0.21933	0.20096	144.38379	43.29239	151.59141	18.04797	9.29195	18.94893	1.15E-06	0.000866	0.000108	3.54E-10	1.07E-09	8.45E-10	9.36E-14	2.26E-12	1.25E-13	2.47924E-12	5.742E-10	0.00086614	0.000108286	3.6247E-10	3.78419E-13	1.8092E-10	6.29603E-14
144	570750.6	4178079	0.55, 4178	0.23537	0.24332	0.2221	149.96792	48.92505	154.1756	18.74599	10.23	23.04389	1.27E-06	0.000881	0.000132	3.92E-10	1.18E-09	9.34E-10	1.03E-13	2.5E-12	1.38E-13	2.74005E-12	6.346E-10	0.00088092	0.000131682	4.00601E-10	4.18227E-13	1.99953E-10	6.95835E-14
145	570790.6	4178079	0.55, 4178	0.26445	0.26867	0.24585	159.48841	56.15329	178.05216	19.93605	11.24377	22.79466	1.4E-06	0.001017	0.00013	4.34E-10	1.31E-09	1.03E-09	1.15E-13	2.77E-12	1.53E-13	3.03305E-12	7.025E-10	0.00101734	0.00013026	4.43438E-10	4.6295E-13	2.21334E-10	7.70243E-14
146	570830.6	4178079	0.55, 4178	0.30001	0.29551	0.27029	164.85959	59.75168	177.78875	20.60745	12.43332	22.22359	1.54E-06	0.001016	0.000127	4.77E-10	1.44E-09	1.14E-09	1.26E-13	3.04E-12	1.68E-13	3.33457E-12	7.723E-10	0.00101584	0.000126998	4.87521E-10	5.08972E-13	2.43337E-10	8.46814E-14
147	570870.6	4178079	0.55, 4178	0.34051	0.32416	0.30185	178.96906	63.85658	203.22306	22.37113	13.91568	25.40288	1.73E-06	0.001161	0.000145	5.32E-10	1.61E-09	1.27E-09	1.41E-13	3.4E-12	1.87E-13	3.72392E-12	8.625E-10	0.00116116	0.000145165	5.44444E-10	5.68399E-13	2.71749E-10	9.45687E-14
148	570910.6	4178079	0.55, 4178	0.37529	0.35313	0.33459	192.82824	68.49057	229.7632	24.10353	15.26079	28.7204	1.91E-06	0.001313	0.000164	5.9E-10	1.78E-09	1.41E-09	1.56E-13	3.76E-12	2.08E-13	4.12781E-12	9.561E-10	0.00131279	0.000164121	6.03494E-10	6.30047E-13	3.01223E-10	1.04826E-13
149	570950.6	4178079	0.55, 4178	0.39192	0.37725	0.35493	199.56835	75.56845	241.42387	26.9715	14.65967	30.17798	2.03E-06	0.001379	0.000172	6.26E-10	1.89E-09	1.49E-09	1.65E-13	3.99E-12	2.2E-13	4.37875E-12	1.014E-09	0.00137942	0.000172453	6.40181E-10	6.68349E-13	3.19535E-10	1.11198E-13
150	570990.6	4178079	0.55, 4178	0.38624	0.39167	0.34038	209.52387	83.72546	270.89556	31.32288	13.79848	33.86195	1.95E-06	0.001548	0.000194	6E-10	1.81E-09	1.43E-09	1.59E-13	3.83E-12	2.11E-13	4.19934E-12	9.726E-10	0.00154781	0.000193507	6.13951E-10	6.40965E-13	3.06443E-10	1.06642E-13
151	571030.6	4178079	0.55, 4178	0.36706	0.40059	0.31708	238.62537	94.19927	346.28961	34.73297	15.69988	52.33117	1.81E-06	0.001979	0.000299	5.59E-10	1.69E-09	1.33E-09	1.48E-13	3.57E-12	1.97E-13	3.91199E-12	9.061E-10	0.00197857	0.000299029	5.71941E-10	5.97106E-13	2.85474E-10	9.9345E-14
152	571070.6	4178079	0.55, 4178	0.35702	0.41066	0.29659	228.92087	105.90077	368.47625	31.45005	16.61116	46.05953	1.7E-06	0.002105	0.000263	5.23E-10	1.58E-09	1.25E-09	1.38E-13	3.34E-12	1.84E-13	3.65931E-12	8.475E-10	0.00210534	0.000263193	5.34998E-10	5.58538E-13	2.67035E-10	9.29281E-14
153	571110.6	4178079	0.55, 4178	0.35812	0.41418	0.29542	212.64364	104.08221	374.64105	34.6648	20.98986	46.90606	1.69E-06	0.002141	0.000268	5.21E-10	1.57E-09	1.24E-09	1.38E-13	3.32E-12	1.83E-13	3.64489E-12	8.442E-10	0.00214055	0.000268034	5.3289E-10	5.56337E-13	2.65983E-10	9.25619E-14
154	571150.6	4178079	0.55, 4178	0.37758	0.42317	0.31748	239.48451	117.47672	371.65504	34.21207	20.38272	60.67868	1.81E-06	0.002124	0.000347	5.6E-10	1.69E-09	1.34E-09	1.48E-13	3.57E-12	1.97E-13	3.917E-12	9.072E-10	0.00212351	0.000346718	5.72673E-10	5.9787E-13	2.85839E-10	9.94721E-14
155	571190.6	4178079	0.55, 4178	0.41277	0.43447	0.31013	228.77572	115.09155	359.73847	28.66724	20.67403	44.96731	1.77E-06	0.002055	0.000257	5.47E-10	1.65E-09	1.3E-09	1.44E-13	3.49E-12	1.93E-13	3.8264E-12	8.862E-10	0.00205543	0.000256949	5.59426E-10	5.84041E-13	2.79228E-10	9.71712E-14
156	571230.6	4178079	0.55, 4178	0.46673	0.45732	0.33128	219.54291	100.98995	305.404	27.44286	18.56894	43.62914	1.89E-06	0.001745	0.000249	5.84E-10	1.76E-09	1.39E-09	1.54E-13	3.73E-12	2.06E-13	4.08733E-12	9.467E-10	0.00174499	0.000249302	5.97576E-10	6.23869E-13	2.98269E-10	1.03798E-13
157	571270.6	4178079	0.55, 4178	0.53318	0.48578	0.3586	215.1929	81.06645	332.5769	26.89911	17.27973	41.57211	2.05E-06	0.0019	0.000238	6.32E-10	1.91E-09	1.51E-09	1.67E-13	4.03E-12	2.23E-13	4.42439E-12	1.025E-09	0.0019002	0.000237549	6.46854E-10	6.75316E-13	3.22866E-10	1.12357E-13
158	571310.6	4178079	0.55, 4178	0.58671	0.50689	0.39805	205.97464	69.75551	363.05687	25.74683	14.70822	45.38211	2.27E-06	0.002074	0.000259	7.02E-10	2.12E-09	1.67E-09	1.85E-13	4.48E-12	2.47E-13	4.91102E-12	1.137E-09	0.00207432	0.000259314	7.18001E-10	7.49593E-13	3.58377E-10	1.24715E-13
159	571350.6	4178079	0.55, 4178	0.61439	0.51569	0.46686	184.46358	62.8789	316.33591	23.05795	12.5762	39.54199	2.67E-06	0.001807	0.000226	8.23E-10	2.49E-09	1.96E-09	2.17E-13	5.25E-12	2.9E-13	5.75971E-12	1.334E-09	0.00180738	0.000225944	8.42081E-10	8.79133E-13	4.2031E-10	1.46268E-13
160	571390.6	4178079	0.55, 4178	0.61879	0.51229	0.54521	162.6235	50.78632	251.98298	20.32794	11.67282	31.49787	3.12E-06	0.00144	0.00018	9.61E-10	2.9E-09	2.29E-09	2.54E-13	6.13E-12	3.39E-13	6.72602E-12	1.558E-09	0.00143971	0.000179983	9.83357E-10	1.02662E-12	4.90825E-10	1.70807E-13
161	571430.6	4178079	0.55, 4178	0.60477	0.49855	0.60294	157.24404	39.05995	207.2573	19.65551	9.99401	25.90716	3.45E-06	0.001184	0.000148	1.06E-09	3.21E-09	2.54E-09	2.81E-13	6.78E-12	3.74E-13	7.43797E-12	1.723E-09	0.00118417	0.000148042	1.08745E-09	1.13529E-12	5.42779E-10	1.88887E-13
162	571470.6	4178079	0.55, 4178	0.57311	0.47467	0.61341	152.07991	30.59352	215.52596	19.00999	9.68796	26.94074	3.51E-06	0.001231	0.000154	1.08E-09	3.27E-09	2.58E-09	2.86E-13	6.9E-12	3.81E-13	7.56702E-12	1.753E-09	0.00123139	0.000153946	1.10631E-09	1.15499E-12	5.52196E-10	1.92164E-13
163	571510.6	4178079	0.55, 4178	0.53465	0.44658	0.58613	137.55383	33.88214	191.36045	17.19423	8.95455	23.92006	3.35E-06	0.001093	0.000137	1.03E-09	3.12E-09	2.47E-09	2.73E-13	6.59E-12	3.64E-13	7.23047E-12	1.675E-09	0.00109334	0.000136685	1.05711E-09	1.10362E-12	5.27637E-10	1.83618E-13
164	571550.6	4178079	0.55, 4178	0.48548	0.41212	0.53241	120.13532	36.07438	157.49519	15.01691	7.90342	19.6869	3.04E-06	0.0009	0.000112	9.39E-10	2.83E-09	2.24E-09	2.48E-13	5.99E-12	3.31E-13	6.5678E-12	1.521E-09	0.00089986	0.000112497	9.60225E-10	1.00248E-12	4.79279E-10	1.66789E-13
165	571590.6	4178079	0.55, 4178	0.43445	0.37558	0.47142	108.95419	37.19094	141.55637	13.61927	6.74143	17.69455	2.69E-06	0.000809	0.000101	8.31E-10	2.51E-09	1.98E-09	2.2E-13	5.3E-12	2.93E-13	5.81546E-12	1.347E-09	0.0008088	0.000101112	8.50232E-10	8.87642E-13	4.24378E-10	1.47684E-13
166	570310.6	4178119	0.55, 4178	0.10149	0.07442	0.09774	69.0748	28.05035	78.28908	8.63435	4.67506	9.78613	5.59E-07	0.000447	5.59E-05	1.72E-10	5.2E-10	4.11E-10	4.55E-14	1.1E-12	6.07E-14	1.20572E-12	2.793E-10	0.00044733	5.59229E-05	1.76279E-10	1.84035E-13	8.79863E-11	3.06192E-14
167	570350.6	4178119	0.55, 4178	0.11138	0.08273	0.10725	79.07973	29.62524	82.98136	9.88497	4.93754	10.37267	6.13E-07	0.000474	5.93E-05	1.89E-10	5.71E-10	4.51E-10	4.99E-14	1.21E-12	6.66E-14	1.32304E-12	3.064E-10	0.00047414	5.92758E-05	1.93431E-10	2.01942E-13	9.65475E-11	3.35985E-14
168	570390.6	4178119	0.55, 4178	0.12249	0.09237	0.11775	81.81771	30.97041	92.38822	10.22721	5.16174	11.54853	6.73E-07	0.000528	6.6E-05	2.08E-10	6.27E-10	4.95E-10	5.48E-14	1.32E-12	7.31E-14	1.45257E-12	3.364E-10	0.00052788	6.59942E-05	2.12369E-10	2.21713E-13	1.06E-10	3.6888E-14
169	570430.6	4178119	0.55, 4178	0.13492	0.10362	0.12964	81.48606	32.23138	89.13007	10.18576	5.3719	11.14126	7.41E-07	0.000509	6.37E-05	2.29E-10	6.9E-10	5.45E-10	6.04E-14	1.46E-12	8.05E-14	1.59925E-12	3.704E-10	0.00050927	6.36673E-05	2.33814E-10	2.44102E-13	1.16704E-10	4.0613E-14
170	570470.6	4178119	0.55, 4178	0.14882	0.11683	0.14311	90.82614	33.6686	97.62505	11.35327	5.5932	12.20313	8.18E-07	0.000558	6.97E-05	2.52E-10	7.62E-10	6.02E-10	6.66E-14	1.61E-12	8.89E-14	1.76543E-12	4.089E-10	0.00055781	6.97358E-05	2.58109E-10	2.69466E-13	1.2883E-10	4.4833E-14
171	570510.6	4178119	0.55, 4178	0.16361	0.13228	0.15796	92.34034	35.20886	102.68913	11.54254	5.82093	12.83614	9.03E-07	0.000587	7.34E-05	2.79E-10	8.41E-10	6.64E-10	7.36E-14	1.78E-12	9.81E-14	1.94863E-12	4.513E-10	0.00058674	7.33525E-05	2.84893E-10	2.97429E-13	1.42199E-10	4.94854E-14
172	570550.6	4178119	0.55, 4178	0.17911	0.1505	0.17388	100.11195	36.92243	110.21215	12.51399	6.33987	13.77652	9.94E-07	0.00063	7.87E-05	3.07E-10	9.26E-10	7.31E-10	8.1E-14	1.96E-12	1.08E-13	2.14504E-12	4.968E-10	0.00062972	7.87266E-05	3.13609E-10	3.27407E-13	1.56532E-10	5.44731E-14
173	570590.6	4178119	0.55, 4178	0.19374	0.17125	0.18923	103.74737	38.76233	121.67682	12.96842	6.89651	15.2096	1.08E-06	0.000695	8.69E-05	3.34E-10	1.01E-09	7.96E-10	8.81E-14	2.13E-12	1.18E-13	2.33442E-12	5.407E-10	0.00069523	8.69146E-05	3.41297E-10	3.56314E-13	1.70352E-10	5.92826E-14
174	570630.6	4178119	0.55, 4178	0.2069	0.19483	0.20326	104.63966	41.01094	121.05227	13.84797	7.49161	15.13153	1.16E-06	0.000692	8.65E-05	3.58E-10	1.08E-09	8.55E-10	9.47E-14	2.29E-12	1.26E-13	2.50753E-12	5.808E-10	0.00069166	8.647E-05	3.66606E-10	3.82737E-13	1.82985E-10	6.36788E-14
175	570670.6	4178119	0.55, 4178	0.21998	0.22122	0.21442	115.58367	43.51142	138.36153	15.0671	8.60459	17.29519	1.23E-06	0.000791	9.88E-05	3.78E-10	1.14E-09	9.02E-10	9.99E-14	2.41E-12	1.33E-13	2.64526E-12	6.127E-10	0.00079056	9.88331E-05	3.86742E-10	4.03759E-13	1.93035E-10	6.71763E-14
176	570710.6	4178119	0.55, 4178	0.23703	0.25104	0.22497	127.12041	45.98226	134.54184	16.41254	9.96819	16.81773	1.29E-06	0.000769	9.61E-05	3.97E-10	1.2E-09	9.46E-10	1.05E-13	2.53E-12	1.4E-13	2.77547E-12	6.428E-10	0.00076874	9.61075E-05	4.05779E-10	4.23634E-13	2.02537E-10	7.0483E-14
177	570750.6	4178119	0.55, 4178	0.26187	0.28441	0.24496	163.41699	49.64069	173.69321	20.42712	11.18287	24.67477	1.4E-06	0.000992	0.000141	4.32E-10	1.3E-09	1.03E-09	1.14E-13	2.76E-12	1.52E-13	3.02212E-12	7E-10	0.00099243	0.000141002	4.4184E-10	4.61281E-13	2.20537E-10	7.67468E-14
178	570790.6	4178119	0.55, 4178	0.29707	0.32177	0.27572	189.30326	59.79186	203.13563	23.66291	12.3939	25.39195	1.58E-06	0.001161	0.000145	4.86E-10	1.47E-09	1.16E-09	1.28E-13	3.1E-12	1.71E-13	3.40162E-12	7.879E-10	0.00116065	0.000145104	4.97324E-10	5.19206E-13	2.4823E-10	8.63841E-14
179	570830.6	4178119	0.55, 4178	0.34574	0.3643	0.31009	193.11502	64.55328	210.79637	24.13938	13.76558	26.34955	1.77E-06	0.001204	0.000151	5.47E-10	1.65E-09	1.3E-09	1.44E-13	3.49E-12	1.93E-13	3.82567E-12	8.861E-10	0.00120443	0.000150576	5.5932E-10	5.8393E-13	2.79174E-10	9.71527E-14
180	570870.6	4178119	0.55, 4178	0.41228	0.41342	0.35667	202.8381	69.60981	241.64288	25.35476	15.49628	31.6123	2.04E-06	0.001381	0.000181	6.29E-10	1.9E-09	1.5E-09	1.66E-13	4.01E-12	2.22E-13	4.40032E-12	1.019E-09	0.00138067	0.000180645	6.43336E-10	6.71643E-13	3.21109E-10	1.11746E-13
181	570910.6	4178119	0.55, 4178	0.49003	0.46844	0.41739	224.50761	75.3478	268.49725	28.06345	17.99511	33.56216	2.39E-06	0.001534	0.000192	7.36E-10	2.22E-09	1.76E-09	1.94E-13	4.7E-12	2.59E-13	5.1494E-12	1.193E-09	0.0015341	0.000191789	7.52852E-10	7.85977E-13	3.75772E-10	1.30769E-13
182	570950.6	4178119	0.55, 4178	0.55455	0.52056	0.48015	237.44511	82.6149	307.44591	31.19836	20.61697	38.43074	2.74E-06	0.001757	0.00022	8.47E-10	2.56E-09	2.02E-09	2.24E-13	5.4E-12	2.98E-13	5.92362E-12	1.372E-09	0.00175663	0.000219608	8.66044E-10	9.0415E-13	4.3227E-10	1.5043E-13
183	570990.6	4178119	0.55, 4178	0.59019	0.56679	0.49805	260.70129	98.30209	347.94815	39.14578	18.7176	43.49352	2.85E-06	0.001988	0.000249	8.78E-10	2.65E-09	2.09E-09	2.32E-13	5.6E-12	3.09E-13	6.14454E-12	1.423E-09	0.00198805	0.000248545	8.98343E-10	9.3787E-13	4.48392E-10	1.5604E-13
184	571030.6	4178119	0.55, 4178	0.58003	0.59593	0.46436	288.08817	110.38847	394.82286	43.41155	19.84321	60.28631	2.65E-06	0.002256	0.000344	8.19E-10	2.47E-09	1.95E-09	2.16E-13	5.22E-12	2.88E-13	5.72911E-12	1.327E-09	0.00225587	0.000344491	8.37607E-10	8.74462E-13	4.18077E-10	1.45491E-13
185	571070.6	4178119	0.55, 4178	0.56003	0.61401	0.43624	281.59163	124.26135	479.69295	39.26934	23.95732	65.06151	2.49E-06	0.002741	0.000372	7.69E-10	2.32E-09	1.83E-09	2.03E-13	4.91E-12	2.71E-13	5.38235E-12	1.247E-09	0.00274076	0.000371766	7.8691E-10	8.21534E-13	3.92772E-10	1.36685E-13
186	571110.6	4178119	0.55, 4178	0.57497	0.62965	0.42923	279.23237	138.16088	507.21032	41.39356	27.39628	63.69191	2.45E-06	0.002898	0.000364	7.57E-10	2.29E-09	1.81E-09	2E-13	4.83E-12	2.67E-13	5.29594E-12	1.227E-09	0.00289799	0.000363945	7.74277E-10	8.08345E-13	3.86466E-10	1.3449E-13
187	571150.6	4178119	0.55, 4178	0.64473	0.65929	0.45591	273.06399	137.55558	506.75735	37.77228	27.34359	77.75635	2.61E-06	0.002895	0.000444	8.04E-10	2.43E-09	1.92E-09	2.12E-13	5.13E-12	2.83E-13	5.62511E-12	1.303E-09	0.0028954	0.000444291	8.22402E-10	8.58588E-13	4.10487E-10	1.4285E-13
188	571190.6	4178119	0.55, 4178	0.76806	0.70549	0.46182	260.36357	120.74038	479.78233	32.90288	24.49294	68.54033	2.64E-06	0.002741	0.000392	8.15E-10	2.46E-09	1.94E-09	2.15E-13	5.2E-12	2.87E-13	5.69818E-12	1.32E-09	0.00274127	0.000391631	8.33085E-10	8.69741E-13	4.15819E-10	1.44705E-13
189	571230.6	4178119	0.55, 4178	0.88147	0.74364	0.51839	250.38438	100.21062	435.42985	31.29805	22.32262	54.42873	2.96E-06	0.002488	0.000311	9.14E-10	2.76E-09	2.18E-09	2.41E-13	5.83E-12	3.22E-13	6.39603E-12	1.481E-09	0.00248784	0.000311007	9.35112E-10	9.76257E-13	4.66744E-10	1.62427E-13
190	571270.6	4178119	0.55, 4178	0.94057	0.75526	0.59724	235.31349	80.57107	462.41399	29.41419	18.81416	57.80175	3.41E-06	0.002642	0.00033	1.05E-09	3.18E-09	2.51E-09	2.78E-13	6.72E-12	3.71E-13	7.36857E-12	1.707E-09	0.00264198	0.000330275	1.0773E-09	1.1247E-12	5.37715E-10	1.87125E-13
191	571310.6	4178119	0.55, 4178	0.94266	0.74202	0.72716	211.76846	71.48368	401.12341	26.47106	15.9259	50.14043	4.16E-06	0.002292	0.000286	1.28E-09	3.87E-09	3.06E-09	3.39E-13	8.18E-12	4.52E-13	8.97088E-12	2.078E-09	0.0022918	0.0002865	1.31156E-09	1.36927E-12	6.54641E-10	2.27815E-13
192	571350.6	4178119	0.55, 4178	0.90909	0.71255	0.85266	184.59351	57.17412	286.57244	23.07419	14.42847	35.82155	4.87E-06	0.001637	0.000205	1.5E-09	4.54E-09	3.59E-09	3.97E-13	9.59E-12	5.29E-13	1.05186E-11	2.436E-09	0.00163733	0.000204689	1.53784E-09	1.60551E-12	7.67585E-10	2.6712E-13
193	571390.6	4178119	0.55, 4178	0.85308	0.67145	0.90336	182.88204	42.90716	275.98695	22.86025	12.27464	34.49837	5.16E-06	0.001577	0.000197	1.59E-09	4.81E-09	3.8E-09	4.21E-13	1.02E-11	5.61E-13	1.11438E-11	2.581E-09	0.00157684	0.000197129	1.62924E-09	1.70093E-12	8.13205E-10	2.82996E-13
194	571430.6	4178119	0.55, 4178	0.78	0.62166	0.86624	169.0522	41.64549	252.50347	21.13153	11.39175	31.56293	4.95E-06	0.001443	0.00018	1.53E-09	4.61E-09	3.64E-09	4.03E-13	9.74E-12	5.38E-13	1.06858E-11	2.475E-09	0.00144267	0.000180356	1.56228E-09	1.63102E-12	7.79784E-10	2.71365E-13
195	571470.6	4178119	0.55, 4178	0.69763	0.567	0.77646	144.82238	43.55007	199.26025	18.1028	10.0864	24.90753	4.44E-06	0.001138	0.000142	1.37E-09	4.13E-09	3.27E-09	3.62E-13	8.73E-12	4.82E-13	9.57829E-12	2.218E-09	0.00113848	0.000142328	1.40036E-09	1.46198E-12	6.98967E-10	2.4324E-13
196	571510.6	4178119	0.55, 4178	0.61632	0.51188	0.67545	129.07456	44.20691	173.84445	16.93315	8.5721	21.73056	3.86E-06	0.000993	0.000124	1.19E-09	3.6E-09	2.84E-09	3.15E-13	7.6E-12	4.19E-13	8.33231E-12	1.93E-09	0.00099328	0.000124176	1.2182E-09	1.2718E-12	6.08042E-10	2.11599E-13
197	571550.6	4178119	0.55, 4178	0.53701	0.45659	0.57828	116.13448	43.6354	149.52645	16.99831	7.6971	20.20244	3.3E-06	0.000854	0.000115	1.02E-09	3.08E-09	2.43E-09	2.69E-13	6.51E-12	3.59E-13	7.13368E-12	1.652E-09	0.00085434	0.000115446	1.04296E-09	1.08885E-12	5.20574E-10	1.8116E-13
198	571590.6	4178119	0.55, 4178	0.46599	0.40463	0.49394	103.06511	42.01095	133.93422	16.60125	6.75955	20.50745	2.82E-06	0.000765	0.000117	8.71E-10	2.63E-09	2.08E-09	2.3E-13	5.56E-12	3.07E-13	6.09331E-12	1.411E-09	0.00076526	0.000117188	8.90854E-10	9.30051E-13	4.44654E-10	1.54739E-13
199	570310.6	4178159	0.55, 4178	0.10452	0.07557	0.10002	83.14681	27.07322	89.45551	10.39335	4.47805	11.18194	5.72E-07	0.000511	6.39E-05	1.76E-10	5.33E-10	4.21E-10	4.66E-14	1.13E-12	6.21E-14	1.23384E-12	2.858E-10	0.00051112	6.39001E-05	1.8039E-10	1.88328E-13	9.00386E-11	3.13334E-14
200	570350.6	4178159	0.55, 4178	0.1156	0.08446	0.11071	83.51332	29.37807	93.62995	10.43917	4.89635	11.70374	6.33E-07	0.000535	6.69E-05	1.95E-10	5.89E-10	4.66E-10	5.16E-14	1.25E-12	6.87E-14	1.36572E-12	3.163E-10	0.00053497	6.68813E-05	1.99671E-10	2.08456E-13	9.9662E-11	3.46824E-14
201	570390.6	4178159	0.55, 4178	0.12828	0.09489	0.12282	85.72091	31.44775	90.10823	10.71511	5.24129	11.26353	7.02E-07	0.000515	6.44E-05	2.17E-10	6.54E-10	5.17E-10	5.72E-14	1.38E-12	7.63E-14	1.51511E-12	3.509E-10	0.00051486	6.43667E-05	2.21512E-10	2.31259E-13	1.10564E-10	3.84762E-14
202	570430.6	4178159	0.55, 4178	0.14269	0.1072	0.13639	94.53138	33.159	104.73347	11.81642	5.5265	13.09168	7.79E-07	0.000598	7.48E-05	2.41E-10	7.26E-10	5.74E-10	6.35E-14	1.53E-12	8.47E-14	1.68252E-12	3.897E-10	0.00059842	7.48129E-05	2.45987E-10	2.56811E-13	1.2278E-10	4.27275E-14
203	570470.6	4178159	0.55, 4178	0.15906	0.12183	0.15182	91.68652	34.69147	109.10852	11.46082	5.78191	13.63857	8.68E-07	0.000623	7.79E-05	2.68E-10	8.08E-10	6.39E-10	7.07E-14	1.71E-12	9.43E-14	1.87287E-12	4.338E-10	0.00062341	7.79368E-05	2.73817E-10	2.85865E-13	1.36671E-10	4.75615E-14
204	570510.6	4178159	0.55, 4178	0.17738	0.13933	0.16931	103.8828	36.49731	110.76271	12.98535	6.04456	13.84534	9.68E-07	0.000633	7.91E-05	2.99E-10	9.01E-10	7.12E-10	7.89E-14	1.9E-12	1.05E-13	2.08864E-12	4.838E-10	0.00063287	7.91205E-05	3.05363E-10	3.18799E-13	1.52416E-10	5.30409E-14
205	570550.6	4178159	0.55, 4178	0.19733	0.16029	0.18927	106.21161	38.46337	121.82569	13.27645	6.62676	15.22821	1.08E-06	0.000696	8.7E-05	3.34E-10	1.01E-09	7.96E-10	8.81E-14	2.13E-12	1.18E-13	2.33488E-12	5.408E-10	0.00069608	8.70214E-05	3.41364E-10	3.56384E-13	1.70386E-10	5.92943E-14
206	570590.6	4178159	0.55, 4178	0.21794	0.18524	0.21062	115.65264	40.48441	129.80552	14.45658	7.37316	16.22569	1.2E-06	0.000742	9.27E-05	3.71E-10	1.12E-09	8.86E-10	9.81E-14	2.37E-12	1.31E-13	2.59828E-12	6.018E-10	0.00074167	9.2722E-05	3.79874E-10	3.96588E-13	1.89607E-10	6.59833E-14
207	570630.6	4178159	0.55, 4178	0.23707	0.21436	0.23118	118.44365	42.79741	144.28442	14.80546	8.08317	18.03555	1.32E-06	0.000824	0.000103	4.08E-10	1.23E-09	9.72E-10	1.08E-13	2.6E-12	1.44E-13	2.85195E-12	6.605E-10	0.00082439	0.000103063	4.16961E-10	4.35307E-13	2.08118E-10	7.24252E-14
208	570670.6	4178159	0.55, 4178	0.25383	0.24795	0.24882	124.95922	45.84094	144.90734	15.6199	8.90031	18.11342	1.42E-06	0.000828	0.000104	4.39E-10	1.32E-09	1.05E-09	1.16E-13	2.8E-12	1.55E-13	3.06962E-12	7.11E-10	0.00082796	0.000103509	4.48784E-10	4.68531E-13	2.24002E-10	7.79529E-14
209	570710.6	4178159	0.55, 4178	0.27135	0.28697	0.26135	131.25248	49.29697	162.49426	17.47805	10.6966	20.31178	1.49E-06	0.000928	0.000116	4.61E-10	1.39E-09	1.1E-09	1.22E-13	2.94E-12	1.62E-13	3.22428E-12	7.468E-10	0.00092844	0.000116071	4.71396E-10	4.92137E-13	2.35289E-10	8.18805E-14
210	570750.6	4178159	0.55, 4178	0.29528	0.33222	0.27619	146.48828	52.90094	155.94977	21.86848	12.23914	22.93785	1.58E-06	0.000891	0.000131	4.87E-10	1.47E-09	1.16E-09	1.29E-13	3.11E-12	1.72E-13	3.40745E-12	7.892E-10	0.00089106	0.000131081	4.98176E-10	5.20096E-13	2.48656E-10	8.65321E-14
211	570790.6	4178159	0.55, 4178	0.33253	0.38536	0.30655	168.4296	63.37031	207.44804	22.18934	13.75991	31.3643	1.75E-06	0.001185	0.000179	5.41E-10	1.63E-09	1.29E-09	1.43E-13	3.45E-12	1.9E-13	3.78207E-12	8.76E-10	0.00118529	0.000179223	5.52945E-10	5.77275E-13	2.75993E-10	9.60454E-14
212	570830.6	4178159	0.55, 4178	0.39122	0.44987	0.34708	226.40986	70.88867	244.94075	28.30123	15.58224	30.61759	1.98E-06	0.0014	0.000175	6.12E-10	1.85E-09	1.46E-09	1.62E-13	3.9E-12	2.16E-13	4.28215E-12	9.918E-10	0.00139951	0.000174966	6.26059E-10	6.53605E-13	3.12486E-10	1.08745E-13
213	570870.6	4178159	0.55, 4178	0.48272	0.53035	0.408	262.06298	76.1106	293.39264	32.75787	17.58972	36.67408	2.33E-06	0.001676	0.00021	7.2E-10	2.17E-09	1.72E-09	1.9E-13	4.59E-12	2.53E-13	5.03377E-12	1.166E-09	0.00167634	0.000209575	7.35947E-10	7.68329E-13	3.67335E-10	1.27833E-13
214	570910.6	4178159	0.55, 4178	0.61652	0.63133	0.50366	261.24493	84.17228	335.42472	32.65562	20.33398	41.92809	2.88E-06	0.001916	0.00024	8.88E-10	2.68E-09	2.12E-09	2.35E-13	5.67E-12	3.13E-13	6.21393E-12	1.439E-09	0.00191648	0.000239591	9.08489E-10	9.48462E-13	4.53456E-10	1.57803E-13
215	570950.6	4178159	0.55, 4178	0.78722	0.75662	0.63069	286.12528	93.97029	373.71712	38.09436	25.30252	46.71464	3.6E-06	0.002135	0.000267	1.11E-09	3.36E-09	2.65E-09	2.94E-13	7.1E-12	3.92E-13	7.78107E-12	1.802E-09	0.00213527	0.000266946	1.13761E-09	1.18766E-12	5.67816E-10	1.976E-13
216	570990.6	4178159	0.55, 4178	0.95557	0.89576	0.74297	303.7283	113.02353	445.40224	49.39935	30.83627	55.67528	4.25E-06	0.002545	0.000318	1.31E-09	3.96E-09	3.13E-09	3.46E-13	8.36E-12	4.61E-13	9.16634E-12	2.123E-09	0.00254484	0.000318157	1.34014E-09	1.3991E-12	6.68905E-10	2.32779E-13
217	571030.6	4178159	0.55, 4178	1.0701	1.00768	0.7637	365.27865	135.92516	512.48146	63.89384	29.33742	70.31034	4.36E-06	0.002928	0.000402	1.35E-09	4.07E-09	3.21E-09	3.56E-13	8.59E-12	4.74E-13	9.42239E-12	2.182E-09	0.00292812	0.000401792	1.37757E-09	1.43818E-12	6.8759E-10	2.39281E-13
218	571070.6	4178159	0.55, 4178	1.06935	1.07923	0.71312	382.13438	155.20031	662.82772	54.74849	37.25068	94.68967	4.08E-06	0.003787	0.000541	1.26E-09	3.8E-09	3E-09	3.32E-13	8.02E-12	4.43E-13	8.79879E-12	2.038E-09	0.00378709	0.000541059	1.2864E-09	1.343E-12	6.42083E-10	2.23445E-13
219	571110.6	4178159	0.55, 4178	1.19831	1.16386	0.6846	373.85472	174.62021	736.75515	53.40782	39.37776	93.09067	3.91E-06	0.004209	0.000532	1.21E-09	3.65E-09	2.88E-09	3.19E-13	7.7E-12	4.25E-13	8.44734E-12	1.957E-09	0.00420948	0.000531922	1.23502E-09	1.28936E-12	6.16437E-10	2.1452E-13
220	571150.6	4178159	0.55, 4178	1.53671	1.26322	0.72724	331.2731	149.81574	693.97089	50.26616	34.67292	96.78528	4.16E-06	0.003965	0.000553	1.28E-09	3.87E-09	3.06E-09	3.39E-13	8.18E-12	4.52E-13	8.97365E-12	2.078E-09	0.003965	0.000553025	1.31197E-09	1.36969E-12	6.54844E-10	2.27886E-13
221	571190.6	4178159	0.55, 4178	1.71324	1.27647	0.80447	303.51531	125.05743	565.89383	43.45807	29.97586	80.84198	4.6E-06	0.003233	0.000462	1.42E-09	4.28E-09	3.38E-09	3.75E-13	9.05E-12	5E-13	9.92626E-12	2.299E-09	0.00323324	0.000461928	1.45124E-09	1.51509E-12	7.24359E-10	2.52077E-13
222	571230.6	4178159	0.55, 4178	1.67997	1.21931	0.99011	277.00255	96.22407	622.39581	36.53844	24.95569	77.79948	5.66E-06	0.003556	0.000445	1.75E-09	5.27E-09	4.16E-09	4.61E-13	1.11E-11	6.15E-13	1.22156E-11	2.829E-09	0.003556	0.000444535	1.78595E-09	1.86453E-12	8.91424E-10	3.10215E-13
223	571270.6	4178159	0.55, 4178	1.56347	1.13234	1.265	251.98402	83.18585	536.39129	31.498	20.71301	67.04891	7.23E-06	0.003065	0.000383	2.23E-09	6.74E-09	5.32E-09	5.89E-13	1.42E-11	7.86E-13	1.56056E-11	3.614E-09	0.00306463	0.000383108	2.28157E-09	2.38196E-12	1.13881E-09	3.96304E-13
224	571310.6	4178159	0.55, 4178	1.42012	1.03692	1.45126	223.09845	65.85457	360.16353	27.88731	18.21453	45.02044	8.29E-06	0.002058	0.000257	2.56E-09	7.73E-09	6.1E-09	6.76E-13	1.63E-11	9.01E-13	1.79025E-11	4.146E-09	0.00205779	0.000257251	2.61738E-09	2.73254E-12	1.30642E-09	4.54633E-13
225	571350.6	4178159	0.55, 4178	1.26306	0.93714	1.42084	212.7442	53.05659	355.96566	26.59303	15.01468	44.49571	8.12E-06	0.002034	0.000254	2.51E-09	7.56E-09	5.98E-09	6.62E-13	1.6E-11	8.82E-13	1.7527E-11	4.059E-09	0.00203378	0.000254251	2.56247E-09	2.67522E-12	1.27901E-09	4.45097E-13
226	571390.6	4178159	0.55, 4178	1.10199	0.83709	1.24864	185.92823	54.01949	274.01244	23.24103	13.29114	34.25155	7.13E-06	0.001566	0.000196	2.2E-09	6.65E-09	5.25E-09	5.81E-13	1.4E-11	7.75E-13	1.54028E-11	3.567E-09	0.00156557	0.00019572	2.25192E-09	2.351E-12	1.124E-09	3.91154E-13
227	571430.6	4178159	0.55, 4178	0.9418	0.73869	1.04204	159.26436	53.60229	222.79179	21.61583	11.2268	27.84897	5.95E-06	0.001273	0.000159	1.84E-09	5.55E-09	4.38E-09	4.85E-13	1.17E-11	6.47E-13	1.28544E-11	2.977E-09	0.00127294	0.000159138	1.87934E-09	1.96203E-12	9.38036E-10	3.26437E-13
228	571470.6	4178159	0.55, 4178	0.79447	0.64516	0.85663	139.92539	51.85557	187.30754	21.06215	9.90602	27.91527	4.9E-06	0.00107	0.00016	1.51E-09	4.56E-09	3.6E-09	3.99E-13	9.64E-12	5.32E-13	1.05673E-11	2.448E-09	0.00107021	0.000159516	1.54496E-09	1.61294E-12	7.71141E-10	2.68357E-13
229	571510.6	4178159	0.55, 4178	0.67282	0.56206	0.7111	120.25585	49.92459	159.61818	19.96311	8.50885	26.60303	4.06E-06	0.000912	0.000152	1.25E-09	3.79E-09	2.99E-09	3.31E-13	8E-12	4.42E-13	8.77216E-12	2.032E-09	0.00091201	0.000152018	1.28251E-09	1.33894E-12	6.4014E-10	2.22769E-13
230	571550.6	4178159	0.55, 4178	0.57423	0.48972	0.59807	110.64777	47.57404	144.95635	18.4413	7.31081	24.15939	3.42E-06	0.000828	0.000138	1.05E-09	3.18E-09	2.52E-09	2.79E-13	6.73E-12	3.71E-13	7.37787E-12	1.709E-09	0.00082824	0.000138054	1.07866E-09	1.12612E-12	5.38393E-10	1.87361E-13
231	571590.6	4178159	0.55, 4178	0.49292	0.42713	0.50772	100.4908	44.5532	128.72625	16.74847	6.44552	21.45437	2.9E-06	0.000736	0.000123	8.95E-10	2.7E-09	2.14E-09	2.36E-13	5.71E-12	3.15E-13	6.26334E-12	1.451E-09	0.00073551	0.000122598	9.15713E-10	9.56004E-13	4.57061E-10	1.59057E-13
232	570310.6	4178199	0.55, 4178	0.10691	0.07648	0.10208	81.28791	24.55019	79.664	10.16099	3.94128	9.958	5.83E-07	0.000455	5.69E-05	1.8E-10	5.43E-10	4.29E-10	4.75E-14	1.15E-12	6.34E-14	1.25925E-12	2.917E-10	0.00045518	5.69072E-05	1.84105E-10	1.92206E-13	9.18929E-11	3.19787E-14
233	570350.6	4178199	0.55, 4178	0.11881	0.08587	0.11329	92.41038	27.80697	96.15133	11.5513	4.55912	12.01892	6.47E-07	0.000549	6.87E-05	2E-10	6.03E-10	4.76E-10	5.28E-14	1.27E-12	7.03E-14	1.39754E-12	3.237E-10	0.00054938	6.86837E-05	2.04324E-10	2.13314E-13	1.01984E-10	3.54906E-14
234	570390.6	4178199	0.55, 4178	0.13286	0.09703	0.12666	98.9418	30.67703	108.4605	12.36772	5.11284	13.55756	7.24E-07	0.00062	7.75E-05	2.23E-10	6.74E-10	5.33E-10	5.9E-14	1.42E-12	7.87E-14	1.56248E-12	3.619E-10	0.00061971	7.74754E-05	2.28437E-10	2.38489E-13	1.1402E-10	3.96791E-14
235	570430.6	4178199	0.55, 4178	0.14935	0.11037	0.14231	98.24021	33.47488	112.67373	12.28003	5.57915	14.08422	8.13E-07	0.000644	8.05E-05	2.51E-10	7.58E-10	5.99E-10	6.63E-14	1.6E-12	8.84E-14	1.75554E-12	4.066E-10	0.00064378	8.04841E-05	2.56664E-10	2.67957E-13	1.28109E-10	4.45819E-14
236	570470.6	4178199	0.55, 4178	0.1686	0.12646	0.16043	107.25905	35.76824	115.05444	13.40738	5.96137	14.38181	9.17E-07	0.000657	8.22E-05	2.83E-10	8.54E-10	6.75E-10	7.47E-14	1.8E-12	9.96E-14	1.97908E-12	4.584E-10	0.00065739	8.2186E-05	2.89345E-10	3.02076E-13	1.44421E-10	5.02586E-14
237	570510.6	4178199	0.55, 4178	0.19081	0.14598	0.18108	111.923	37.71142	131.96286	13.99038	6.28524	16.49536	1.03E-06	0.000754	9.43E-05	3.19E-10	9.64E-10	7.62E-10	8.43E-14	2.04E-12	1.12E-13	2.23383E-12	5.174E-10	0.00075399	9.42619E-05	3.2659E-10	3.4096E-13	1.63011E-10	5.6728E-14
238	570550.6	4178199	0.55, 4178	0.21602	0.16987	0.20494	119.57772	40.00549	129.21029	14.94721	6.67621	16.15129	1.17E-06	0.000738	9.23E-05	3.61E-10	1.09E-09	8.62E-10	9.54E-14	2.31E-12	1.27E-13	2.52818E-12	5.856E-10	0.00073827	9.22977E-05	3.69625E-10	3.85888E-13	1.84492E-10	6.42031E-14
239	570590.6	4178199	0.55, 4178	0.24388	0.19917	0.2325	124.08345	42.52786	147.10165	15.51043	7.78928	18.38771	1.33E-06	0.00084	0.000105	4.1E-10	1.24E-09	9.78E-10	1.08E-13	2.62E-12	1.44E-13	2.86819E-12	6.643E-10	0.00084049	0.000105076	4.19334E-10	4.37785E-13	2.09303E-10	7.28375E-14
240	570630.6	4178199	0.55, 4178	0.27242	0.23473	0.26214	135.79301	45.13025	156.31523	16.97413	8.73982	19.5394	1.5E-06	0.000893	0.000112	4.62E-10	1.4E-09	1.1E-09	1.22E-13	2.95E-12	1.63E-13	3.23386E-12	7.49E-10	0.00089313	0.000111658	4.72797E-10	4.936E-13	2.35988E-10	8.21239E-14
241	570670.6	4178199	0.55, 4178	0.29828	0.27729	0.29064	136.89517	48.04336	174.48935	17.44831	9.65486	21.81117	1.66E-06	0.000997	0.000125	5.13E-10	1.55E-09	1.22E-09	1.35E-13	3.27E-12	1.8E-13	3.5855E-12	8.304E-10	0.00099697	0.000124637	5.24207E-10	5.47272E-13	2.61649E-10	9.10537E-14
242	570710.6	4178199	0.55, 4178	0.321	0.32818	0.31291	151.98197	52.23375	185.24815	19.68934	11.4382	23.15602	1.79E-06	0.001058	0.000132	5.52E-10	1.67E-09	1.32E-09	1.46E-13	3.52E-12	1.94E-13	3.86033E-12	8.941E-10	0.00105844	0.000132324	5.64387E-10	5.8922E-13	2.81704E-10	9.80329E-14
243	570750.6	4178199	0.55, 4178	0.34558	0.38955	0.32771	144.14265	57.26085	196.68908	22.53194	13.53855	24.58613	1.87E-06	0.001124	0.00014	5.78E-10	1.74E-09	1.38E-09	1.53E-13	3.69E-12	2.04E-13	4.04306E-12	9.364E-10	0.00112381	0.000140499	5.91103E-10	6.17111E-13	2.95038E-10	1.02673E-13
244	570790.6	4178199	0.55, 4178	0.38143	0.46429	0.35275	173.32889	66.95506	241.81218	25.57778	15.36352	36.58263	2.02E-06	0.001382	0.000209	6.22E-10	1.88E-09	1.48E-09	1.64E-13	3.97E-12	2.19E-13	4.35212E-12	1.008E-09	0.00138162	0.000209041	6.36289E-10	6.64285E-13	3.17592E-10	1.10522E-13
245	570830.6	4178199	0.55, 4178	0.44289	0.55991	0.39405	200.31972	78.9407	262.23048	28.47462	17.66262	37.4615	2.25E-06	0.001498	0.000214	6.95E-10	2.1E-09	1.66E-09	1.84E-13	4.43E-12	2.45E-13	4.8618E-12	1.126E-09	0.0014983	0.000214067	7.10804E-10	7.4208E-13	3.54785E-10	1.23465E-13
246	570870.6	4178199	0.55, 4178	0.55133	0.6879	0.45528	245.75399	83.68372	263.19795	34.28137	20.83884	36.18743	2.6E-06	0.001504	0.000207	8.03E-10	2.42E-09	1.92E-09	2.12E-13	5.12E-12	2.83E-13	5.61739E-12	1.301E-09	0.00150384	0.000206797	8.21274E-10	8.5741E-13	4.09924E-10	1.42654E-13
247	570910.6	4178199	0.55, 4178	0.74216	0.86472	0.57468	353.61381	98.21675	387.24795	44.20173	24.01316	48.40599	3.28E-06	0.002213	0.000277	1.01E-09	3.06E-09	2.42E-09	2.68E-13	6.47E-12	3.57E-13	7.0906E-12	1.642E-09	0.00221259	0.000276619	1.03666E-09	1.08227E-12	5.1743E-10	1.80065E-13
248	570950.6	4178199	0.55, 4178	1.08517	1.1274	0.77671	376.11466	111.85514	479.74888	52.74149	29.33795	59.96861	4.44E-06	0.002741	0.000343	1.37E-09	4.14E-09	3.27E-09	3.62E-13	8.74E-12	4.82E-13	9.58321E-12	2.22E-09	0.00274108	0.000342691	1.40108E-09	1.46273E-12	6.99326E-10	2.43365E-13
249	570990.6	4178199	0.55, 4178	1.58976	1.56693	1.05873	410.19015	135.68135	559.12982	68.60008	44.06737	76.18548	6.05E-06	0.003195	0.000435	1.87E-09	5.64E-09	4.45E-09	4.93E-13	1.19E-11	6.58E-13	1.3063E-11	3.026E-09	0.00319463	0.000435364	1.90983E-09	1.99386E-12	9.53258E-10	3.31734E-13
250	571030.6	4178199	0.55, 4178	2.42958	2.27373	1.377	561.74649	191.25505	728.04918	107.05418	55.40677	100.45619	7.87E-06	0.00416	0.000574	2.43E-09	7.33E-09	5.79E-09	6.41E-13	1.55E-11	8.55E-13	1.69907E-11	3.935E-09	0.00415979	0.000574086	2.48408E-09	2.59338E-12	1.23988E-09	4.31479E-13
251	571070.6	4178199	0.55, 4178	3.58306	3.18041	1.39903	721.18769	259.71405	966.70756	139.44796	73.67892	146.94766	8E-06	0.005523	0.00084	2.47E-09	7.45E-09	5.89E-09	6.52E-13	1.57E-11	8.69E-13	1.72656E-11	3.999E-09	0.0055234	0.000839748	2.52426E-09	2.63533E-12	1.25994E-09	4.38459E-13
252	571110.6	4178199	0.55, 4178	5.26167	3.22788	1.2956	536.30163	206.72583	1199.13306	116.57539	57.94295	153.9862	7.41E-06	0.006851	0.00088	2.29E-09	6.9E-09	5.45E-09	6.04E-13	1.46E-11	8.05E-13	1.59907E-11	3.704E-09	0.00685117	0.000879925	2.33787E-09	2.44073E-12	1.1669E-09	4.06083E-13
253	571150.6	4178199	0.55, 4178	4.55265	2.7214	1.43074	406.82024	165.14744	1078.46551	75.27018	43.84452	138.95995	8.18E-06	0.006162	0.000794	2.52E-09	7.62E-09	6.02E-09	6.67E-13	1.61E-11	8.89E-13	1.76556E-11	4.089E-09	0.0061617	0.000794013	2.58128E-09	2.69486E-12	1.2884E-09	4.48364E-13
254	571190.6	4178199	0.55, 4178	3.6655	2.27193	1.9191	348.88414	129.45816	921.59929	55.11772	35.12171	118.18584	1.1E-05	0.005265	0.000675	3.38E-09	1.02E-08	8.07E-09	8.94E-13	2.16E-11	1.19E-12	2.3677E-11	5.484E-09	0.00526545	0.000675296	3.46163E-09	3.61394E-12	1.72781E-09	6.01278E-13

255	571230.6	4178199	0.55, 41781	2.99647	1.91661	2.63905	311.11499	100.77545	780.81724	44.29874	28.05958	97.60216	1.51E-05	0.004461	0.000558	4.65E-09	1.41E-08	1.11E-08	1.23E-12	2.97E-11	1.64E-12	3.25551E-11	7.54E-09	0.0044611	0.000557682	4.75962E-09	4.96904E-12	2.37568E-09	8.26736E-13
256	571270.6	4178199	0.55, 41781	2.48655	1.63354	2.7833	275.28639	78.6156	563.64868	36.03295	23.70769	70.45609	1.59E-05	0.00322	0.000403	4.91E-09	1.48E-08	1.17E-08	1.3E-12	3.13E-11	1.73E-12	3.43331E-11	7.952E-09	0.00322035	0.000402581	5.01957E-09	5.24043E-12	2.50543E-09	8.71889E-13
257	571310.6	4178199	0.55, 41781	2.04979	1.39182	2.36332	251.65063	69.80646	418.93362	31.45633	18.505	52.3667	1.35E-05	0.002394	0.000299	4.17E-09	1.26E-08	9.94E-09	1.1E-12	2.66E-11	1.47E-12	2.91525E-11	6.752E-09	0.00239356	0.000299227	4.26215E-09	4.44969E-12	2.12738E-09	7.40327E-13
258	571350.6	4178199	0.55, 41781	1.66907	1.18291	1.84305	207.71058	67.17721	304.96385	28.41822	15.5683	43.42728	1.05E-05	0.001742	0.000248	3.25E-09	9.81E-09	7.75E-09	8.58E-13	2.07E-11	1.14E-12	2.27351E-11	5.266E-09	0.00174242	0.00024815	3.32391E-09	3.47017E-12	1.65907E-09	5.77357E-13
259	571390.6	4178199	0.55, 41781	1.33874	0.99933	1.42084	175.53523	63.93291	243.3206	26.80029	13.20173	40.55343	8.12E-06	0.00139	0.000232	2.51E-09	7.56E-09	5.98E-09	6.62E-13	1.6E-11	8.82E-13	1.75272E-11	4.06E-09	0.00139024	0.000231729	2.56251E-09	2.67526E-12	1.27903E-09	4.45102E-13
260	571430.6	4178199	0.55, 41781	1.08215	0.84466	1.12094	146.49279	60.30749	207.71024	24.41546	11.02968	34.61837	6.41E-06	0.001187	0.000198	1.98E-09	5.97E-09	4.71E-09	5.22E-13	1.26E-11	6.96E-13	1.38279E-11	3.203E-09	0.00118678	0.000197817	2.02166E-09	2.11061E-12	1.00907E-09	3.51158E-13
261	571470.6	4178199	0.55, 41781	0.88511	0.71494	0.90372	129.54701	55.96987	172.11269	21.59117	9.33698	28.68545	5.16E-06	0.000983	0.000164	1.59E-09	4.81E-09	3.8E-09	4.21E-13	1.02E-11	5.61E-13	1.11483E-11	2.582E-09	0.0009834	0.000163917	1.62991E-09	1.70163E-12	8.1354E-10	2.83112E-13
262	571510.6	4178199	0.55, 41781	0.73336	0.60746	0.74181	112.64977	51.14316	142.69265	18.77496	8.40942	23.78211	4.24E-06	0.000815	0.000136	1.31E-09	3.95E-09	3.12E-09	3.45E-13	8.34E-12	4.61E-13	9.15108E-12	2.12E-09	0.00081531	0.0001359	1.33791E-09	1.39677E-12	6.67791E-10	2.32391E-13
263	571550.6	4178199	0.55, 41781	0.6189	0.52125	0.62191	97.68282	46.08498	120.36205	16.28047	7.59304	20.06034	3.55E-06	0.000688	0.000115	1.1E-09	3.31E-09	2.62E-09	2.9E-13	7E-12	3.86E-13	7.67201E-12	1.777E-09	0.00068772	0.000114633	1.12166E-09	1.17102E-12	5.59858E-10	1.94831E-13
264	571590.6	4178199	0.55, 41781	0.52714	0.45016	0.52751	84.87826	41.93857	102.67653	14.14638	6.8553	17.11275	3.01E-06	0.000587	9.78E-05	9.3E-10	2.81E-09	2.22E-09	2.46E-13	5.93E-12	3.28E-13	6.5075E-12	1.507E-09	0.00058668	9.77894E-05	9.51409E-10	9.93271E-13	4.74879E-10	1.65258E-13
265	570310.6	4178239	0.55, 41782	0.10871	0.07725	0.10419	69.36135	22.19632	77.30253	9.49069	3.20395	10.55794	5.95E-07	0.000442	6.03E-05	1.84E-10	5.55E-10	4.38E-10	4.85E-14	1.17E-12	6.47E-14	1.28528E-12	2.977E-10	0.00044168	6.03337E-05	1.87911E-10	1.96179E-13	9.37921E-11	3.26397E-14
266	570350.6	4178239	0.55, 41782	0.12097	0.08699	0.11543	80.24676	23.95533	77.73127	10.03084	3.79637	10.6184	6.6E-07	0.000444	6.07E-05	2.04E-10	6.15E-10	4.85E-10	5.38E-14	1.3E-12	7.17E-14	1.42394E-12	3.298E-10	0.00044413	6.06799E-05	2.08183E-10	2.17343E-13	1.03911E-10	3.61609E-14
267	570390.6	4178239	0.55, 41782	0.13576	0.09875	0.129	97.68381	28.15369	96.07123	12.21048	4.56788	12.0089	7.37E-07	0.000549	6.86E-05	2.27E-10	6.87E-10	5.43E-10	6.01E-14	1.45E-12	8.01E-14	1.59135E-12	3.686E-10	0.00054892	6.86274E-05	2.32658E-10	2.42895E-13	1.16127E-10	4.04122E-14
268	570430.6	4178239	0.55, 41782	0.15369	0.11303	0.14573	112.57412	32.01468	119.02369	14.07177	5.30028	14.87796	8.33E-07	0.00068	8.5E-05	2.57E-10	7.76E-10	6.13E-10	6.79E-14	1.64E-12	9.05E-14	1.79773E-12	4.164E-10	0.00068006	8.50217E-05	2.62832E-10	2.74396E-13	1.31188E-10	4.56533E-14
269	570470.6	4178239	0.55, 41782	0.17542	0.1305	0.16624	120.86213	35.6675	135.90431	15.10777	5.94458	16.98804	9.5E-07	0.000777	9.71E-05	2.93E-10	8.85E-10	6.99E-10	7.74E-14	1.87E-12	1.03E-13	2.05075E-12	4.75E-10	0.00077651	9.70784E-05	2.99823E-10	3.13016E-13	1.49651E-10	5.20787E-14
270	570510.6	4178239	0.55, 41782	0.20166	0.15208	0.19089	118.29832	38.86505	139.27939	14.78729	6.47751	17.40992	1.09E-06	0.000796	9.95E-05	3.37E-10	1.02E-09	8.03E-10	8.89E-14	2.15E-12	1.19E-13	2.35484E-12	5.454E-10	0.00079579	9.94882E-05	3.44282E-10	3.5943E-13	1.71842E-10	5.98011E-14
271	570550.6	4178239	0.55, 41782	0.23297	0.17899	0.21994	134.82021	41.51275	155.81716	16.85253	6.91879	19.47714	1.26E-06	0.00089	0.000111	3.88E-10	1.17E-09	9.25E-10	1.02E-13	2.47E-12	1.37E-13	2.71321E-12	6.284E-10	0.00089028	0.000111302	3.96677E-10	4.14131E-13	1.97994E-10	6.8902E-14
272	570590.6	4178239	0.55, 41782	0.26933	0.21289	0.25402	138.182	44.61865	161.93184	17.27275	7.89914	20.24148	1.45E-06	0.000925	0.000116	4.48E-10	1.35E-09	1.07E-09	1.18E-13	2.86E-12	1.58E-13	3.13365E-12	7.258E-10	0.00092522	0.000115669	4.58146E-10	4.78304E-13	2.28675E-10	7.95789E-14
273	570630.6	4178239	0.55, 41782	0.31001	0.25571	0.29378	151.57706	47.88426	180.12829	18.94713	9.37801	22.51604	1.68E-06	0.001029	0.000129	5.18E-10	1.56E-09	1.24E-09	1.37E-13	3.3E-12	1.82E-13	3.62417E-12	8.394E-10	0.00102919	0.000128667	5.2986E-10	5.53174E-13	2.6447E-10	9.20356E-14
274	570670.6	4178239	0.55, 41782	0.35129	0.30919	0.33746	163.01094	51.1286	193.67566	20.37637	10.66356	24.20946	1.93E-06	0.001107	0.000138	5.95E-10	1.8E-09	1.42E-09	1.57E-13	3.8E-12	2.1E-13	4.16306E-12	9.642E-10	0.00110659	0.000138344	6.08648E-10	6.35428E-13	3.03796E-10	1.05721E-13
275	570710.6	4178239	0.55, 41782	0.3879	0.37553	0.37852	161.77129	55.27243	215.9147	21.46966	11.91574	26.98934	2.16E-06	0.001234	0.000154	6.67E-10	2.02E-09	1.59E-09	1.76E-13	4.26E-12	2.35E-13	4.66968E-12	1.082E-09	0.00123365	0.000154227	6.82717E-10	7.12756E-13	3.40766E-10	1.18586E-13
276	570750.6	4178239	0.55, 41782	0.41955	0.45853	0.40652	185.09687	61.2613	243.75059	24.33831	15.0229	31.56234	2.32E-06	0.001393	0.00018	7.17E-10	2.16E-09	1.71E-09	1.89E-13	4.57E-12	2.52E-13	5.01528E-12	1.162E-09	0.00139269	0.000180358	7.33244E-10	7.65506E-13	3.65985E-10	1.27363E-13
277	570790.6	4178239	0.55, 41782	0.45531	0.56517	0.42739	195.76674	71.16962	229.68596	30.0466	17.67317	35.54387	2.44E-06	0.001312	0.000203	7.54E-10	2.28E-09	1.8E-09	1.99E-13	4.81E-12	2.65E-13	5.27301E-12	1.221E-09	0.00131236	0.000203114	7.70925E-10	8.04845E-13	3.84793E-10	1.33908E-13
278	570830.6	4178239	0.55, 41782	0.51729	0.70869	0.46924	186.14136	86.93814	313.42291	30.32646	20.0795	44.72862	2.68E-06	0.001791	0.000256	8.28E-10	2.5E-09	1.97E-09	2.19E-13	5.28E-12	2.91E-13	5.78962E-12	1.341E-09	0.00179078	0.000255588	8.46454E-10	8.83698E-13	4.22492E-10	1.47027E-13
279	570870.6	4178239	0.55, 41782	0.63421	0.91745	0.53024	225.98347	96.3139	311.28977	37.66391	24.81387	41.34654	3.03E-06	0.001779	0.000236	9.35E-10	2.82E-09	2.23E-09	2.47E-13	5.97E-12	3.29E-13	6.54263E-12	1.515E-09	0.00177861	0.000236277	9.56545E-10	9.98633E-13	4.77442E-10	1.6615E-13
280	570910.6	4178239	0.55, 41782	0.85302	1.23442	0.65693	293.13359	117.47886	326.7744	47.06613	30.6738	48.00957	3.75E-06	0.001867	0.000274	1.16E-09	3.5E-09	2.76E-09	3.06E-13	7.39E-12	4.08E-13	8.10617E-12	1.877E-09	0.00186711	0.000274358	1.18514E-09	1.23728E-12	5.9154E-10	2.05856E-13
281	570950.6	4178239	0.55, 41782	1.35023	1.79208	0.88884	455.80102	142.22416	478.03953	68.40553	39.86266	68.50221	5.08E-06	0.002731	0.000391	1.57E-09	4.73E-09	3.74E-09	4.14E-13	1E-11	5.52E-13	1.09683E-11	2.54E-09	0.00273137	0.000391469	1.60358E-09	1.67414E-12	8.00399E-10	2.78539E-13
282	570990.6	4178239	0.55, 41782	3.0182	3.06414	1.32054	885.93977	193.04223	771.54657	147.1874	58.20401	96.44332	7.55E-06	0.004408	0.000551	2.33E-09	7.03E-09	5.56E-09	6.15E-13	1.49E-11	8.2E-13	1.6297E-11	3.775E-09	0.00440835	0.000551223	2.38265E-09	2.48749E-12	1.18926E-09	4.13862E-13
283	571030.6	4178239	0.55, 41782	7.70332	4.46365	2.30139	679.65913	243.63294	1123.21669	144.28562	71.78775	156.8655	1.32E-05	0.006418	0.000896	4.06E-09	1.23E-08	9.68E-09	1.07E-12	2.59E-11	1.43E-12	2.84E-11	6.578E-09	0.00641752	0.000896418	4.15213E-09	4.33483E-12	2.07246E-09	7.21217E-13
284	571110.6	4178239	0.55, 41782	48.37684	13.76668	3.52906	1082.14109	288.2044	2417.61379	441.33003	115.9324	328.07057	2.02E-05	0.013813	0.001875	6.23E-09	1.88E-08	1.49E-08	1.65E-12	3.97E-11	2.19E-12	4.35835E-11	1.009E-08	0.0138127	0.001874999	6.37199E-09	6.65236E-12	3.18046E-09	1.1068E-12
285	571150.6	4178239	0.55, 41782	14.38318	6.22649	4.84511	550.93904	192.81003	1871.63269	147.46183	59.89562	339.77194	2.77E-05	0.010693	0.001941	8.55E-09	2.58E-08	2.04E-08	2.26E-12	5.45E-11	3.01E-12	5.97802E-11	1.385E-08	0.01069322	0.00194139	8.73997E-09	9.12453E-12	4.3624E-09	1.51812E-12
286	571190.6	4178239	0.55, 41782	8.08563	4.10425	7.76231	423.01159	138.20819	1326.9025	88.76631	43.45879	203.98194	4.44E-05	0.007581	0.001166	1.37E-08	4.13E-08	3.26E-08	3.61E-12	8.73E-11	4.82E-12	9.57503E-11	2.218E-08	0.00758102	0.001165513	1.39989E-08	1.46148E-11	6.98729E-09	2.43158E-12
287	571230.6	4178239	0.55, 41782	5.48613	3.01374	6.36519	364.79857	99.98669	820.37732	64.1708	32.88659	114.5851	3.64E-05	0.004687	0.000655	1.12E-08	3.39E-08	2.68E-08	2.96E-12	7.16E-11	3.95E-12	7.8515E-11	1.819E-08	0.00468711	0.000654739	1.1479E-08	1.19841E-11	5.72956E-09	1.99389E-12
288	571270.6	4178239	0.55, 41782	3.91656	2.30583	4.21608	308.69657	91.16262	501.73471	42.97299	25.31404	83.35946	2.41E-05	0.002867	0.000476	7.43E-09	2.24E-08	1.77E-08	1.96E-12	4.74E-11	2.62E-12	5.20066E-11	1.205E-08	0.00286665	0.00047631	7.60347E-09	7.93802E-12	3.79513E-09	1.32071E-12
289	571310.6	4178239	0.55, 41782	2.81911	1.80691	2.86031	238.76095	82.99282	368.88984	36.57222	19.65898	61.48164	1.63E-05	0.002108	0.000351	5.04E-09	1.52E-08	1.2E-08	1.33E-12	3.22E-11	1.78E-12	3.52836E-11	8.172E-09	0.00210767	0.000351309	5.15853E-09	5.3855E-12	2.57479E-09	8.96025E-13
290	571350.6	4178239	0.55, 41782	2.07392	1.43877	2.07081	186.98174	75.01218	257.12826	31.16362	15.62493	42.85471	1.18E-05	0.001469	0.000245	3.65E-09	1.1E-08	8.71E-09	9.64E-13	2.33E-11	1.29E-12	2.5545E-11	5.917E-09	0.00146914	0.000244883	3.73474E-09	3.89906E-12	1.86413E-09	6.48716E-13
291	571390.6	4178239	0.55, 41782	1.57003	1.1589	1.56847	153.36435	67.14235	200.39228	25.56072	13.28221	31.13336	8.96E-06	0.001145	0.000178	2.77E-09	8.35E-09	6.6E-09	7.3E-13	1.76E-11	9.74E-13	1.93485E-11	4.481E-09	0.00114498	0.000177909	2.82879E-09	2.95326E-12	1.41194E-09	4.91355E-13
292	571430.6	4178239	0.55, 41782	1.23548	0.94866	1.2378	124.99719	59.46648	164.5542	20.83286	11.6734	24.18073	7.07E-06	0.00094	0.000138	2.18E-09	6.59E-09	5.21E-09	5.76E-13	1.39E-11	7.69E-13	1.52695E-11	3.537E-09	0.00094022	0.00013818	2.23243E-09	2.33066E-12	1.11428E-09	3.87768E-13
293	571470.6	4178239	0.55, 41782	0.99131	0.7845	0.9961	109.3041	54.21436	142.14876	17.2339	10.26711	19.9293	5.69E-06	0.000812	0.000114	1.76E-09	5.3E-09	4.19E-09	4.64E-13	1.12E-11	6.19E-13	1.22879E-11	2.846E-09	0.00081221	0.000113886	1.79652E-09	1.87557E-12	8.96701E-10	3.12052E-13
294	571510.6	4178239	0.55, 41782	0.81688	0.65976	0.82266	100.30585	50.40167	129.05875	14.55844	9.03737	16.96469	4.7E-06	0.000737	9.69E-05	1.45E-09	4.38E-09	3.46E-09	3.83E-13	9.25E-12	5.11E-13	1.01484E-11	2.351E-09	0.00073742	9.69442E-05	1.48372E-09	1.549E-12	7.40571E-10	2.57719E-13
295	571550.6	4178239	0.55, 41782	0.68618	0.56281	0.69258	92.19218	46.80105	116.817	12.52836	7.96128	14.60636	3.96E-06	0.000667	8.35E-05	1.22E-09	3.69E-09	2.91E-09	3.23E-13	7.79E-12	4.3E-13	8.54376E-12	1.979E-09	0.00066747	8.34676E-05	1.24911E-09	1.30407E-12	6.23473E-10	2.16968E-13
296	571590.6	4178239	0.55, 41782	0.57854	0.48285	0.58537	84.94405	43.3686	105.85184	10.89629	7.01254	13.23148	3.35E-06	0.000605	7.56E-05	1.03E-09	3.12E-09	2.46E-09	2.73E-13	6.59E-12	3.64E-13	7.22122E-12	1.673E-09	0.00060482	7.56101E-05	1.05576E-09	1.10221E-12	5.26962E-10	1.83383E-13
297	570310.6	4178279	0.55, 41782	0.11004	0.07807	0.10589	74.04292	22.79319	77.67346	10.17864	3.64675	10.70288	6.05E-07	0.000444	6.12E-05	1.87E-10	5.64E-10	4.45E-10	4.93E-14	1.19E-12	6.58E-14	1.30625E-12	3.025E-10	0.0004438	6.11628E-05	1.90976E-10	1.99379E-13	9.53224E-11	3.31722E-14
298	570350.6	4178279	0.55, 41782	0.12249	0.08802	0.11726	80.9847	23.74961	88.18196	11.08549	3.81596	12.05595	6.7E-07	0.000504	6.89E-05	2.07E-10	6.24E-10	4.93E-10	5.46E-14	1.32E-12	7.28E-14	1.44651E-12	3.35E-10	0.00050384	6.88945E-05	2.11483E-10	2.20789E-13	1.05558E-10	3.67342E-14
299	570390.6	4178279	0.55, 41782	0.13757	0.10016	0.13084	86.03589	24.80698	96.47388	11.74551	4.00404	13.13274	7.48E-07	0.000551	7.5E-05	2.31E-10	6.97E-10	5.5E-10	6.09E-14	1.47E-12	8.12E-14	1.61404E-12	3.738E-10	0.00055122	7.50474E-05	2.35976E-10	2.46359E-13	1.17783E-10	4.09886E-14
300	570430.6	4178279	0.55, 41782	0.15607	0.11514	0.14747	96.31741	27.84204	100.58043	12.03968	4.46456	13.6645	8.43E-07	0.000575	7.81E-05	2.6E-10	7.85E-10	6.2E-10	6.87E-14	1.66E-12	9.16E-14	1.8192E-12	4.214E-10	0.00057468	7.80858E-05	2.6597E-10	2.77673E-13	1.32754E-10	4.61985E-14
301	570470.6	4178279	0.55, 41782	0.17907	0.13378	0.16835	120.52086	33.01708	119.41006	15.06511	5.41696	14.92626	9.62E-07	0.000682	8.53E-05	2.97E-10	8.96E-10	7.08E-10	7.84E-14	1.89E-12	1.05E-13	2.07678E-12	4.81E-10	0.00068227	8.52992E-05	3.0363E-10	3.16989E-13	1.51551E-10	5.27398E-14
302	570510.6	4178279	0.55, 41782	0.20795	0.15724	0.19497	141.57577	37.85068	153.41811	17.69697	6.30845	19.17726	1.11E-06	0.000877	0.00011	3.44E-10	1.04E-09	8.2E-10	9.08E-14	2.19E-12	1.21E-13	2.40518E-12	5.571E-10	0.00087657	0.00010959	3.51641E-10	3.67114E-13	1.75516E-10	6.10794E-14
303	570550.6	4178279	0.55, 41782	0.24435	0.18714	0.22876	153.17347	42.50173	177.88461	19.14668	7.08362	22.23558	1.31E-06	0.001016	0.000127	4.03E-10	1.22E-09	9.62E-10	1.07E-13	2.57E-12	1.42E-13	2.82202E-12	6.536E-10	0.00101636	0.000127065	4.12585E-10	4.30739E-13	2.05934E-10	7.16652E-14
304	570590.6	4178279	0.55, 41782	0.28993	0.22577	0.27077	157.86485	46.41285	177.78268	19.73311	7.73548	22.22284	1.55E-06	0.001016	0.000127	4.77E-10	1.44E-09	1.14E-09	1.26E-13	3.05E-12	1.68E-13	3.34028E-12	7.737E-10	0.00101578	0.000126993	4.88355E-10	5.09843E-13	2.43754E-10	8.48263E-14
305	570630.6	4178279	0.55, 41782	0.34541	0.27631	0.32199	169.89337	50.77009	212.69617	21.23667	9.57894	26.58702	1.84E-06	0.001215	0.000152	5.68E-10	1.71E-09	1.35E-09	1.5E-13	3.62E-12	2E-13	3.97216E-12	9.2E-10	0.00121526	0.000151928	5.80738E-10	6.06291E-13	2.89865E-10	1.00873E-13
306	570670.6	4178279	0.55, 41782	0.40869	0.34273	0.38328	189.16159	55.36754	226.13934	23.6452	11.64813	28.26742	2.19E-06	0.001292	0.000162	6.76E-10	2.04E-09	1.61E-09	1.79E-13	4.31E-12	2.38E-13	4.7283E-12	1.095E-09	0.00129207	0.000161532	6.91286E-10	7.21703E-13	3.45043E-10	1.20075E-13
307	570710.6	4178279	0.55, 41782	0.47241	0.42944	0.45188	202.37611	59.97812	249.97635	25.29701	13.4468	31.24704	2.58E-06	0.001428	0.000179	7.97E-10	2.41E-09	1.9E-09	2.1E-13	5.08E-12	2.81E-13	5.57465E-12	1.291E-09	0.00142826	0.000178558	8.15024E-10	8.50885E-13	4.06805E-10	1.41568E-13
308	570750.6	4178279	0.55, 41782	0.52143	0.53099	0.51003	207.36077	66.44988	280.46815	28.38204	16.35494	35.05852	2.91E-06	0.001602	0.0002	8.99E-10	2.72E-09	2.15E-09	2.38E-13	5.74E-12	3.17E-13	6.29216E-12	1.457E-09	0.00160248	0.000200338	9.19925E-10	9.60402E-13	4.59164E-10	1.59789E-13
309	570790.6	4178279	0.55, 41782	0.56782	0.69623	0.54766	217.33897	75.80804	318.83899	33.24185	20.36018	42.96761	3.13E-06	0.001822	0.000246	9.66E-10	2.92E-09	2.3E-09	2.55E-13	6.16E-12	3.4E-13	6.75678E-12	1.565E-09	0.00182171	0.000245531	9.87854E-10	1.03132E-12	4.93069E-10	1.71588E-13
310	570830.6	4178279	0.55, 41782	0.62461	0.91706	0.58168	236.67869	94.57659	403.572	34.09074	24.90976	60.93237	3.32E-06	0.002306	0.000348	1.03E-09	3.1E-09	2.45E-09	2.71E-13	6.54E-12	3.61E-13	7.17705E-12	1.662E-09	0.00230583	0.000348167	1.0493E-09	1.09547E-12	5.23738E-10	1.82261E-13
311	570870.6	4178279	0.55, 41782	0.74364	1.27032	0.64347	232.57719	121.10786	430.4482	38.76287	29.17824	53.80602	3.68E-06	0.002459	0.000307	1.14E-09	3.43E-09	2.71E-09	3E-13	7.24E-12	4E-13	7.94024E-12	1.839E-09	0.00245941	0.000307461	1.16088E-09	1.21196E-12	5.79432E-10	2.01642E-13
312	570910.6	4178279	0.55, 41782	0.98087	1.94043	0.78377	289.58181	139.00222	423.1545	48.26363	45.30681	59.61258	4.48E-06	0.002418	0.000341	1.38E-09	4.17E-09	3.3E-09	3.65E-13	8.82E-12	4.87E-13	9.67272E-12	2.24E-09	0.00241777	0.00034065	1.41417E-09	1.47639E-12	7.05858E-10	2.45639E-13
313	570950.6	4178279	0.55, 41782	1.54705	3.33468	1.05206	380.89662	209.14004	464.4183	63.48277	60.99964	77.40305	6.02E-06	0.002654	0.000442	1.86E-09	5.6E-09	4.43E-09	4.9E-13	1.18E-11	6.54E-13	1.29861E-11	3.008E-09	0.00265363	0.000442313	1.89859E-09	1.98213E-12	9.47646E-10	3.29781E-13
314	571150.6	4178279	0.55, 41782	125.5821	15.27099	61.53709	2183.625	235.47088	4321.7852	1020.3296	115.3363	966.08792	0.000352	0.024692	0.005521	1.09E-07	3.28E-07	2.59E-07	2.87E-11	6.92E-10	3.82E-11	7.59046E-10	1.758E-07	0.02469156	0.005520977	1.10974E-07	1.15857E-10	5.53907E-08	1.9276E-11
315	571190.6	4178279	0.55, 41782	19.14498	7.50998	20.68123	704.1647	157.76938	1300.13062	186.41477	61.8786	262.75525	0.000118	0.007428	0.001501	3.65E-08	1.1E-07	8.7E-08	9.63E-12	2.33E-10	1.28E-11	2.55098E-10	5.908E-08	0.00742814	0.001501445	3.72958E-08	3.89368E-11	1.86155E-08	6.4782E-12
316	571230.6	4178279	0.55, 41782	9.41744	4.44398	9.68706	418.2482	120.63814	710.71948	87.01567	39.51148	138.35634	5.54E-05	0.004061	0.000791	1.71E-08	5.16E-08	4.07E-08	4.51E-12	1.09E-10	6.01E-12	1.1949E-10	2.768E-08	0.00406066	0.000790583	1.74697E-08	1.82384E-11	8.71969E-09	3.03445E-12
317	571270.6	4178279	0.55, 41782	5.33507	3.02277	5.65407	265.61255	99.06709	486.13138	58.88721	29.56115	89.94232	3.23E-05	0.002778	0.000514	9.97E-09	3.01E-08	2.38E-08	2.63E-12	6.36E-11	3.51E-12	6.97445E-11	1.615E-08	0.00277751	0.000513944	1.01968E-08	1.06454E-11	5.08954E-09	1.77116E-12
318	571310.6	4178279	0.55, 41782	3.44949	2.20529	3.73581	197.38222	83.78037	349.19747	42.40574	23.44903	62.97539	2.13E-05	0.001995	0.00036	6.59E-09	1.99E-08	1.57E-08	1.74E-12	4.2E-11	2.32E-12	4.60828E-11	1.067E-08	0.00199516	0.000359853	6.7374E-09	7.03384E-12	3.36285E-09	1.17027E-12
319	571350.6	4178279	0.55, 41782	2.42474	1.67304	2.63741	164.77993	74.08708	262.11907	31.82391	19.20475	45.98547	1.51E-05	0.001498	0.000263	4.65E-09	1.4E-08	1.11E-08	1.23E-12	2.97E-11	1.64E-12	3.25339E-11	7.535E-09	0.00149765	0.00026277	4.75652E-09	4.96581E-12	2.37413E-09	8.26198E-13
320	571390.6	4178279	0.55, 41782	1.80332	1.30805	1.94946	139.62437	66.18564	204.22507	24.75802	16.07748	34.84377	1.11E-05	0.001167	0.000199	3.44E-09	1.04E-08	8.2E-09	9.08E-13	2.19E-11	1.21E-12	2.40479E-11	5.57E-09	0.00116688	0.000199106	3.51585E-09	3.67055E-12	1.75487E-09	6.10696E-13
321	571430.6	4178279	0.55, 41782	1.38872	1.04688	1.49158	120.07885	59.47148	164.54693	19.78612	13.66223	27.17412	8.52E-06	0.00094	0.000155	2.63E-09	7.94E-09	6.27E-09	6.95E-13	1.68E-11	9.26E-13	1.83998E-11	4.262E-09	0.00094018	0.00015528	2.69009E-09	2.80845E-12	1.34271E-09	4.67262E-13
322	571470.6	4178279	0.55, 41782	1.11171	0.86066	1.18684	104.95004	53.66694	136.91558	16.34545	11.81303	21.87493	6.78E-06	0.000782	0.000125	2.09E-09	6.32E-09	4.99E-09	5.53E-13	1.34E-11	7.37E-13	1.46407E-11	3.391E-09	0.00078231	0.000125	2.1405E-09	2.23468E-12	1.06839E-09	3.718E-13
323	571510.6	4178279	0.55, 41782	0.90331	0.71725	0.95952	92.95227	48.50847	116.77816	13.70064	10.27697	17.93941	5.48E-06	0.000667	0.000103	1.69E-09	5.11E-09	4.04E-09	4.47E-13	1.08E-11	5.96E-13	1.18366E-11	2.742E-09	0.00066725	0.000102512	1.73053E-09	1.80667E-12	8.63762E-10	3.00589E-13
324	571550.6	4178279	0.55, 41782	0.74685	0.60641	0.79002	83.35854	43.88956	102.16829	11.6678	9.00306	14.97338	4.51E-06	0.000584	8.56E-05	1.39E-09	4.21E-09	3.32E-09	3.68E-13	8.89E-12	4.91E-13	9.74567E-12	2.257E-09	0.00058377	8.5563E-05	1.42484E-09	1.48753E-12	7.11181E-10	2.47491E-13
325	571590.6	4178279	0.55, 41782	0.63093	0.52161	0.66513	75.57295	41.1264	91.05382	10.11638	7.96472	12.7323	3.8E-06	0.00052	7.28E-05	1.17E-09	3.54E-09	2.8E-09	3.1E-13	7.48E-12	4.13E-13	8.20506E-12	1.9E-09	0.00052027	7.2757E-05	1.1996E-09	1.25238E-12	5.98757E-10	2.08367E-13
326	570310.6	4178319	0.55, 41783	0.1112	0.07908	0.10686	65.67409	25.12162	71.57917	10.72274	3.92383	11.92986	6.11E-07	0.000409	6.82E-05	1.88E-10	5.69E-10	4.49E-10	4.98E-14	1.2E-12	6.64E-14	1.31822E-12	3.053E-10	0.00040899	6.81736E-05	1.92726E-10	2.01206E-13	9.61956E-11	3.34761E-14
327	570350.6	4178319	0.55, 41783	0.12381	0.08915	0.11863	72.99363	26.3644	78.028	10.96785	4.13077	12.26515	6.78E-07	0.000446	7.01E-05	2.09E-10	6.32E-10	4.99E-10	5.52E-14	1.33E-12	7.37E-14	1.46342E-12	3.389E-10	0.00044583	7.00895E-05	2.13954E-10	2.23368E-13	1.06791E-10	3.71634E-14
328	570390.6	4178319	0.55, 41783	0.13907	0.1015	0.13256	85.61577	27.73961	87.79758	11.84211	4.3586	12.34233	7.57E-07	0.000502	7.05E-05	2.34E-10	7.06E-10	5.58E-10	6.17E-14	1.49E-12	8.23E-14	1.63526E-12	3.787E-10	0.00050165	7.05318E-05	2.39078E-10	2.49598E-13	1.19332E-10	4.15274E-14
329	570430.6	4178319	0.55, 41783	0.15783	0.11689	0.14946	97.99246	29.27563	105.83642	13.47747	4.61214	14.5399	8.54E-07	0.000605	8.31E-05	2.64E-10	7.96E-10	6.29E-10	6.96E-14	1.68E-12	9.28E-14	1.84375E-12	4.27E-10	0.00060471	8.30893E-05	2.69559E-10	2.8142E-13	1.34546E-10	4.68219E-14
330	570470.6	4178319	0.55, 41783	0.18134	0.13633	0.17027	108.90086	31.01454	122.78	14.92794	4.89871	16.74752	9.73E-07	0.000702	9.57E-05	3E-10	9.07E-10	7.16E-10	7.93E-14	1.92E-12	1.06E-13	2.10047E-12	4.865E-10	0.00070152	9.5704E-05	3.07093E-10	3.20605E-13	1.5328E-10	5.33414E-14
331	570510.6	4178319	0.55, 41783	0.21129	0.16124	0.19656	118.40452	33.29424	135.32696	15.9306	5.40834	18.39398	1.12E-06	0.000773	0.000105	3.47E-10	1.05E-09	8.27E-10	9.15E-14	2.21E-12	1.22E-13	2.4248E-12	5.616E-10	0.00077321	0.000105112	3.5451E-10	3.70109E-13	1.76947E-10	6.15777E-14
332	570550.6	4178319	0.55, 41783	0.2503	0.19368	0.23096	153.9338	39.94632	153.89508	19.24172	6.62991	19.23689	1.32E-06	0.000879	0.00011	4.07E-10	1.23E-09	9.71E-10	1.08E-13	2.6E-12	1.43E-13	2.84918E-12	6.599E-10	0.0008793	0.000109933	4.16555E-10	4.34884E-13	2.07916E-10	7.23548E-14
333	570590.6	4178319	0.55, 41783	0.30196	0.23671	0.27701	186.54438	46.61587	209.37606	23.31805	7.76931	26.17201	1.58E-06	0.001196	0.00015	4.88E-10	1.47E-09	1.17E-09	1.29E-13	3.12E-12	1.72E-13	3.41728E-12	7.915E-10	0.00119629	0.00014956	4.99612E-10	5.21595E-13	2.49373E-10	8.67816E-14
334	570630.6	4178319	0.55, 41783	0.37105	0.29503	0.3391	205.0145	52.79857	247.59232	25.62681	8.79976	30.94904	1.94E-06	0.001415	0.000177	5.98E-10	1.81E-09	1.43E-09	1.58E-13	3.81E-12	2.11E-13	4.18325E-12	9.689E-10	0.00141463	0.000176856	6.116E-10	6.3851E-13	3.05269E-10	1.06234E-13
335	570670.6	4178319	0.55, 41783	0.462	0.37572	0.42024	218.45656	59.57781	273.51496	27.30707	11.98561	34.18937	2.4E-06	0.001563	0.000195	7.41E-10	2.24E-09	1.77E-09	1.96E-13	4.73E-12	2.61E-13	5.18426E-12	1.201E-09	0.00156274	0.000195371	7.57948E-10	7.91298E-13	3.78316E-10	1.31654E-13
336	570710.6	4178319	0.55, 41783	0.57218	0.48827	0.5224	242.44958	66.62286	291.17197	30.3062	15.15553	36.3965	2.99E-06	0.001664	0.000208	9.21E-10	2.78E-09	2.2E-09	2.43E-13	5.88E-12	3.24E-13	6.44461E-12	1.493E-09	0.00166363	0.000207985	9.42214E-10	9.83671E-13	4.70289E-10	1.63661E-13
337	570750.6	4178319	0.55, 41783	0.67767	0.63416	0.63666	262.41203	72.71034	341.04886	32.8015	17.84948	42.63111	3.64E-06	0.001949	0.000244	1.12E-09	3.39E-09	2.68E-09	2.97E-13	7.16E-12	3.95E-13	7.85429E-12	1.819E-09	0.0019486	0.000243608	1.14831E-09	1.19884E-12	5.7316E-10	1.9946E-13
338	570790.6	4178319	0.55, 41783	0.76041	0.85502	0.73352	285.66779	86.45349	381.79277	42.9347	23.67926	50.68659	4.19E-06	0.002181	0.00029	1.29E-09	3.91E-09	3.09E-09	3.42E-13	8.25E-12	4.56E-13	9.0496E-12	2.096E-09	0.0021814	0.000289646	1.32307E-09	1.38128E-12	6.60386E-10	2.29814E-13
339	570830.6	4178319	0.55, 41783	0.82107	1.23378	0.77266	302.59427	109.05103	424.78874	45.07728	29.79255	65.49858	4.42E-06	0.002427	0.000374	1.36E-09	4.11E-09	3.25E-09	3.6E-13	8.69E-12	4.8E-13	9.5335E-12	2.208E-09	0.00242707	0.000374272	1.39382E-09	1.45514E-12	6.95698E-10	2.42103E-13
340	570870.6	4178319	0.55, 41783	0.93174	1.8881	0.81484	263.71888	150.69846	583.61	37.23183	42.82711	79.94464	4.66E-06	0.003334	0.000457	1.44E-09	4.34E-09	3.43E-09	3.8E-13	9.17E-12	5.06E-13	1.00557E-11	2.329E-09	0.00333449	0.000456792	1.47017E-09	1.53486E-12	7.33808E-10	2.55365E-13
341	570910.6	4178319	0.55, 41783	1.19482	3.5981	0.94641	225.26352	195.84246	582.08496	37.31993	59.22953	72.76062	5.41E-06	0.003326	0.000416	1.67E-09	5.04E-09	3.98E-09	4.41E-13	1.07E-11	5.88E-13	1.16837E-11	2.706E-09	0.00332583	0.000415749	1.70818E-09	1.78334E-12	8.52609E-10	2.96708E-13
342	571190.6	4178319	0.55, 41783	29.13102	9.74239	24.19825	1204.46355	192.40018	1781.17361	337.10397	86.14095	400.692	0.000138	0.010177	0.00229	4.27E-08	1.29E-07	1.02E-07	1.13E-11	2.72E-10	1.5E-11	2.98484E-10	6.913E-08	0.01017652	0.002289731	4.3639E-08	4.55591E-11	2.17816E-08	7.58E-12
343	571230.6	4178319	0.55, 41783	10.45163	5.25398	11.58574	479.33008	117.37647	725.29291	126.19986	44.06446	185.38424	6.62E-05	0.004144	0.001059	2.04E-08	6.17E-08	4.87E-08	5.4E-12	1.3E-10	7.19E-12	1.4291E-10	3.31E-08	0.00414393	0.001059321	2.08937E-08	2.18131E-11	1.04287E-08	3.6292E-12
344	571270.6	4178319	0.55, 41783	5.72808	3.4301	6.64009	292.22118	96.9874	479.91721	63.79547	33.00222	105.59121	3.79E-05	0.002742	0.000603	1.17E-08	3.54E-08	2.79E-08	3.09E-12	7.47E-11	4.12E-12	8.19067E-11	1.897E-08	0.00274201	0.000603355	1.19749E-08	1.25018E-11	5.97707E-09	2.08002E-12
345	571310.6	4178319	0.55, 41783	3.67711	2.43151	4.23514	175.48484	83.52768	339.71763	43.52526	25.92364	69.01312	2.42E-05	0.001941	0.000394	7.47E-09	2.25E-08	1.78E-08	1.97E-12	4.76E-11	2.63E-12	5.2242E-11	1.21E-08	0.00194099	0.000394349	7.63788E-09	7.97395E-12	3.81231E-09	1.32668E-12
346	571350.6	4178319	0.55, 41783	2.57847	1.81872	2.91777	135.74456	73.58424	245.66728	31.86463	21.08438	47.561	1.67E-05	0.001404	0.000272	5.14E-09	1.55E-08	1.23E-08	1.36E-12	3.28E-11	1.81E-12	3.59922E-11	8.336E-09	0.00140365	0.000271772	5.26213E-09	5.49366E-12	2.6265E-09	9.14021E-13
347	571390.6	4178319	0.55, 41783	1.91038	1.41202	2.12389	114.67965	65.84745	189.40245	24.95277	17.54375	35.6451	1.21E-05	0.001082	0.000204	3.75E-09	1.13E-08	8.93E-09	9.89E-13	2.39E-11	1.32E-12	2.61996E-11	6.068E-09	0.00108219	0.000203684	3.83043E-09	3.99897E-12	1.91189E-09	6.65337E-13
348	571430.6	4178319	0.55, 41783	1.47151	1.12853	1.61377	100.57811	59.61061	161.57422	20.18585	14.84739	27.57311	9.22E-06	0.000923	0.000158	2.85E-09	8.59E-09	6.79E-09	7.52E-13	1.82E-11	1E-12	1.99071E-11	4.611E-09	0.00092319	0.00015756	2.91045E-09	3.03851E-12	1.4527E-09	5.0554E-13
349	571470.6	4178319	0.55, 41783	1.16585	0.92218	1.2649	90.09229	54.43044	139.38169	16.69193	12.71837	21.87498	7.23E-06	0.000796	0.000125	2.23E-09	6.73E-09	5.32E-09	5.89E-13	1.42E-11	7.85E-13	1.56036E-11	3.614E-09	0.0007964	0.000125001	2.28128E-09	2.38166E-12	1.13866E-09	3.96253E-13
350	571510.6	4178319	0.55, 41783	0.94595	0.76805	1.01773	81.52103	50.05282	121.69	14.06823	11.00608	17.76049	5.82E-06	0.000695	0.000101	1.79E-09	5.42E-09	4.28E-09	4.74E-13	1.14E-11	6.32E-13	1.25546E-11	2.908E-09	0.00069531	0.00010149	1.83551E-09	1.91628E-12	9.16164E-10	3.18825E-13
351	571550.6	4178319	0.55, 41783	0.78212	0.64956	0.83556	74.38547	46.28731	107.35752	12.02264	9.59923	14.66288	4.77E-06	0.000613	8.38E-05	1.47E-09	4.45E-09	3.51E-09	3.89E-13	9.4E-12	5.19E-13	1.03075E-11	2.387E-09	0.00061342	8.37897E-05	1.50697E-09	1.57328E-12	7.52178E-10	2.61758E-13
352	571590.6	4178319	0.55, 41783	0.65442	0.55508	0.69496	68.29245	42.98116	95.34122	10.3334	8.40789	12.26582	3.97E-06	0.000545	7.01E-05	1.23E-09	3.7E-09	2.92E-09	3.24E-13	7.82E-12	4.32E-13	8.57308E-12	1.986E-09	0.00054477	7.00923E-05	1.2534E-09	1.30855E-12	6.25612E-10	2.17713E-13
353	570310.6	4178359	0.55, 41783	0.11229	0.07993	0.10794	69.29068	26.58817	75.81746	11.54845	4.0095	12.46153	6.17E-07	0.000433	7.12E-05	1.9E-10	5.75E-10	4.54E-10	5.03E-14	1.21E-12	6.7E-14	1.33154E-12	3.084E-10	0.0004332	7.12123E-05	1.94674E-10	2.03239E-13	9.71679E-11	3.38144E-14
354	570350.6	4178359	0.55, 41783	0.12531	0.09043	0.1201	75.30937	28.06345	82.61098	12.55156	4.25756	13.7685	6.86E-07	0.000472	7.87E-05	2.12E-10	6.39E-10	5.05E-10	5.59E-14	1.35E-12	7.46E-14	1.48155E-12	3.431E-10	0.00047202	7.86808E-05	2.16605E-10	2.26136E-13	1.08115E-10	3.76239E-14
355	570390.6	4178359	0.55, 41783	0.14084	0.10296	0.13441	81.29058	29.71471	90.82388	13.54843	4.53386	15.13731	7.68E-07	0.000519	8.65E-05	2.37E-10	7.16E-10	5.65E-10	6.26E-14	1.51E-12	8.35E-14	1.65808E-12	3.84E-10	0.00051894	8.65025E-05	2.42415E-10	2.53081E-13	1.20997E-10	4.2107E-14
356	570430.6	4178359	0.55, 41783	0.15989	0.11858	0.15186	87.11605	31.54887	98.44842	14.51934	4.83992	16.40807	8.68E-07	0.000563	9.38E-05	2.68E-10	8.09E-10	6.39E-10	7.07E-14	1.71E-12	9.43E-14	1.87335E-12	4.339E-10	0.00056251	9.37641E-05	2.73888E-10	2.85939E-13	1.36706E-10	4.75738E-14
357	570470.6	4178359	0.55, 41783	0.18374	0.13844	0.17326	97.3598	33.59814	106.34308	15.36354	5.1813	17.51553	9.9E-07	0.000608	0.0001	3.06E-10	9.22E-10	7.29E-10	8.07E-14	1.95E-12	1.08E-13	2.13735E-12	4.95E-10	0.00060761	0.000100092	3.12485E-10	3.26235E-13	1.55971E-10	5.42781E-14
358	570510.6	4178359	0.55, 41783	0.21432	0.16421	0.20002	118.04415	35.93263	125.3205	16.48105	5.5698	18.1537	1.14E-06	0.000716	0.000104	3.53E-10	1.06E-09	8.41E-10	9.32E-14	2.25E-12	1.24E-13	2.46748E-12	5.715E-10	0.00071604	0.00010374	3.60751E-10	3.76624E-13	1.80062E-10	6.26617E-14
359	570550.6	4178359	0.55, 41783	0.25472	0.19842	0.23435	139.50155	38.63371	157.96544	19.4148	6.01971	21.81117	1.34E-06	0.000903	0.000125	4.13E-10	1.25E-09	9.86E-10	1.09E-13	2.64E-12	1.46E-13	2.891E-12	6.696E-10	0.00090255	0.00012464	4.2267E-10	4.41268E-13	2.10968E-10	7.3417E-14
360	570590.6	4178359	0.55, 41783	0.30979	0.24497	0.28017	159.83108	41.83842	190.36526	22.23989	6.84975	26.13545	1.6E-06	0.001088	0.000149	4.94E-10	1.49E-09	1.18E-09	1.3E-13	3.15E-12	1.74E-13	3.45628E-12	8.005E-10	0.00108766	0.00014935	5.05314E-10	5.27548E-13	2.52219E-10	8.77721E-14
361	570630.6	4178359	0.55, 41783	0.38734	0.31015	0.34391	206.43147	51.05257	211.21178	25.80393	8.50876	28.98998	1.97E-06	0.001207	0.000166	6.06E-10	1.83E-09	1.45E-09	1.6E-13	3.87E-12	2.14E-13	4.24263E-12	9.826E-10	0.00120678	0.000165664	6.2028E-10	6.47573E-13	3.09602E-10	1.07741E-13
362	570670.6	4178359	0.55, 41783	0.50063	0.40488	0.43681	262.98595	60.70684	312.78941	32.87324	10.74505	39.09868	2.5E-06	0.001787	0.000223	7.7E-10	2.33E-09	1.84E-09	2.03E-13	4.91E-12	2.71E-13	5.38872E-12	1.248E-09	0.00178713	0.000223427	7.87841E-10	8.22506E-13	3.93237E-10	1.36846E-13
363	570710.6	4178359	0.55, 41783	0.66972	0.54814	0.57453	304.17814	72.14807	380.66102	38.02227	15.71205	47.58263	3.28E-06	0.002175	0.000272	1.01E-09	3.06E-09	2.42E-09	2.68E-13	6.46E-12	3.57E-13	7.08776E-12	1.642E-09	0.00217491	0.000271905	1.03624E-09	1.08184E-12	5.17222E-10	1.79993E-13
364	570750.6	4178359	0.55, 41783	0.90523	0.76876	0.77041	339.35657	85.82023	445.46467	44.72327	21.31802	55.68308	4.4E-06	0.002545	0.000318	1.36E-09	4.1E-09	3.24E-09	3.59E-13	8.67E-12	4.78E-13	9.50436E-12	2.201E-09	0.00254517	0.000318194	1.38956E-09	1.4507E-12	6.93572E-10	2.41363E-13
365	570790.6	4178359	0.55, 41783	1.13154	1.06104	0.98839	377.53193	96.31599	507.3356	54.94081	27.90141	63.41695	5.65E-06	0.002899	0.000362	1.74E-09	5.26E-09	4.16E-09	4.6E-13	1.11E-11	6.14E-13	1.21937E-11	2.824E-09	0.00289867	0.000362395	1.78275E-09	1.86119E-12	8.89827E-10	3.0966E-13
366	570830.6	4178359	0.55, 41783	1.33226	1.74963	1.18947	411.58415	139.14147	649.42864	69.46909	37.35577	97.59965	6.8E-06	0.003711	0.000558	2.1E-09	6.33E-09	5E-09	5.54E-13	1.34E-11	7.39E-13	1.46759E-11	3.399E-09	0.00371053	0.000557708	2.14564E-09	2.24005E-12	1.07096E-09	3.72694E-13
367	570870.6	4178359	0.55, 41783	1.45984	3.38436	1.19217	346.78431	184.49712	847.26971	52.43952	61.49528	124.03925	6.82E-06	0.004841	0.000709	2.1E-09	6.35E-09	5.02E-09	5.55E-13	1.34E-11	7.41E-13	1.47142E-11	3.408E-09	0.00484087	0.000708734	2.15125E-09	2.2459E-12	1.07376E-09	3.73667E-13
368	571150.6	4178359	0.55, 41783	17.36196	17.82412	10.70274	1537.79423	258.8776	2153.28101	350.34789	128.93656	372.67701	6.12E-05	0.012303	0.00213	1.89E-08	5.7E-08	4.5E-08	4.99E-12	1.2E-10	6.65E-12	1.3206E-10	3.059E-08	0.01230256	0.002129698	1.93075E-08	2.0157E-11	9.63699E-09	3.35367E-12
369	571190.6	4178359	0.55, 41783	10.35157	8.16971	8.42586	590.93034	162.31709	1380.32388	161.82999	76.08872	218.22557	4.82E-05	0.007886	0.001247	1.49E-08	4.49E-08	3.54E-08	3.92E-12	9.48E-11	5.23E-12	1.03947E-10	2.408E-08	0.00788628	0.001247003	1.51973E-08	1.5866E-11	7.58545E-09	2.63974E-12
370	571230.6	4178359	0.55, 41783	6.41954	4.85697	6.11014	429.96716	118.18476	649.38165	103.83364	47.29307	136.54892	3.49E-05	0.00371	0.00078	1.08E-08	3.25E-08	2.57E-08	2.85E-12	6.87E-11	3.79E-12	7.53753E-11	1.746E-08	0.00371023	0.000780283	1.102E-08	1.15049E-11	5.50044E-09	1.91415E-12
371	571270.6	4178359	0.55, 41783	4.24607	3.28764	4.46672	330.34534	97.41521	669.03521	71.25122	30.79427	101.30501	2.55E-05	0.003822	0.000579	7.88E-09	2.38E-08	1.88E-08	2.08E-12	5.02E-11	2.77E-12	5.51009E-11	1.276E-08	0.00382247	0.00057888	8.05586E-09	8.41032E-12	4.02094E-09	1.39929E-12
372	571310.6	4178359	0.55, 41783	3.01802	2.39332	3.29044	280.32399	84.30249	476.5001	47.38187	23.6076	69.83839	1.88E-05	0.002722	0.000399	5.8E-09	1.75E-08	1.38E-08	1.53E-12	3.7E-11	2.04E-12	4.05904E-11	9.401E-09	0.00272247	0.000399069	5.93439E-09	6.1955E-12	2.96204E-09	1.03079E-12
373	571350.6	4178359	0.55, 41783	2.25439	1.82521	2.47896	223.1696	75.03337	276.07803	32.74083	19.24184	47.29925	1.42E-05	0.001577	0.00027	4.37E-09	1.32E-08	1.04E-08	1.15E-12	2.79E-11	1.54E-12	3.05801E-11	7.083E-09	0.00157741	0.000270278	4.47087E-09	4.66759E-12	2.23156E-09	7.76581E-13
374	571390.6	4178359	0.55, 41783	1.7395	1.43625	1.90839	164.0034	68.00709	177.73654	25.39154	16.17569	38.72375	1.09E-05	0.001016	0.000221	3.37E-09	1.02E-08	8.03E-09	8.89E-13	2.15E-11	1.19E-12	2.35417E-11	5.453E-09	0.00101555	0.000221273	3.44185E-09	3.59329E-12	1.71794E-09	5.97842E-13
375	571430.6	4178359	0.55, 41783	1.37666	1.15767	1.50113	113.66708	62.41604	162.05892	21.33563	13.79366	30.03325	8.58E-06	0.000926	0.000172	2.65E-09	7.99E-09	6.31E-09	6.99E-13	1.69E-11	9.32E-13	1.85179E-11	4.289E-09	0.00092597	0.000171617	2.70735E-09	2.82648E-12	1.35133E-09	4.70262E-13
376	571470.6	4178359	0.55, 41783	1.11313	0.95193	1.20554	91.64258	57.80687	139.39839	17.74486	11.89568	22.85385	6.89E-06	0.000796	0.000131	2.13E-09	6.42E-09	5.07E-09	5.61E-13	1.36E-11	7.49E-13	1.48716E-11	3.444E-09	0.0007965	0.000130595	2.17425E-09	2.26992E-12	1.08524E-09	3.77664E-13
377	571510.6	4178359	0.55, 41783	0.9166	0.79605	0.98663	82.11168	53.90312	116.32041	14.64829	10.35284	20.08654	5.64E-06	0.000665	0.000115	1.74E-09	5.25E-09	4.15E-09	4.59E-13	1.11E-11	6.13E-13	1.21712E-11	2.819E-09	0.00066464	0.00011478	1.77945E-09	1.85774E-12	8.88179E-10	3.09086E-13
378	571550.6	4178359	0.55, 41783	0.76622	0.67498	0.82026	72.9064	50.52239	102.58687	12.13868	9.07968	17.28494	4.69E-06	0.000586	9.88E-05	1.45E-09	4.37E-09	3.45E-09	3.82E-13	9.23E-12	5.09E-13	1.01188E-11	2.344E-09	0.00058617	9.877E-05	1.47939E-09	1.54449E-12	7.38413E-10	2.56968E-13
379	571590.6	4178359	0.55, 41783	0.64386	0.57575	0.68602	65.94968	47.48497	92.44167	10.99161	8.00686	15.40694	3.92E-06	0.000528	8.8E-05	1.21E-09	3.65E-09	2.89E-09	3.19E-13	7.72E-12	4.26E-13	8.46288E-12	1.96E-09	0.00052821	8.8039E-05	1.23729E-09	1.29173E-12	6.1757E-10	2.14914E-13
380	570310.6	4178399	0.55, 41783	0.11287	0.08031	0.1093	71.34246	27.87564	79.43468	11.89041	3.82503	13.23911	6.25E-07	0.000454	7.57E-05	1.93E-10	5.82E-10	4.6E-10	5.09E-14	1.23E-12	6.79E-14	1.34831E-12	3.123E-10	0.00045387	7.56553E-05	1.97126E-10	2.058E-13	9.8392E-11	3.42404E-14
381	570350.6	4178399	0.55, 41783	0.12665	0.09175	0.12214	75.96419	29.57043	83.22909	12.46202	4.12173	13.80548	6.98E-07	0.000476	7.89E-05	2.15E-10	6.5E-10	5.14E-10	5.69E-14	1.37E-12	7.58E-14	1.50671E-12	3.49E-10	0.00047555	7.88919E-05	2.20285E-10	2.29977E-13	1.09951E-10	3.8263E-14
382	570390.6	4178399	0.55, 41783	0.1425	0.10434	0.13672	83.29233	31.439	92.96873	13.04897	4.44958	14.404	7.81E-07	0.000531	8.23E-05	2.41E-10	7.28E-10	5.75E-10	6.37E-14	1.54E-12	8.49E-14	1.68658E-12	3.906E-10	0.0005312	8.23123E-05	2.46581E-10	2.5743E-13	1.23076E-10	4.28306E-14
383	570430.6	4178399	0.55, 41783	0.16211	0.12032	0.15453	91.32735	33.521	103.76057	14.59534	4.81492	15.65812	8.83E-07	0.000593	8.95E-05	2.72E-10	8.23E-10	6.5E-10	7.2E-14	1.74E-12	9.6E-14	1.90629E-12	4.415E-10	0.00059286	8.94796E-05	2.78703E-10	2.90966E-13	1.3911E-10	4.84102E-14
384	570470.6	4178399	0.55, 41783	0.18668	0.14051	0.17655	100.43451	35.89015	115.76296	16.57018	5.22899	18.35818	1.01E-06	0.000661	0.000105	3.11E-10	9.4E-10	7.43E-10	8.22E-14	1.99E-12	1.1E-13	2.17794E-12	5.044E-10	0.00066143	0.000104908	3.18419E-10	3.32429E-13	1.58933E-10	5.53087E-14
385	570510.6	4178399	0.55, 41783	0.21834	0.16684	0.20421	112.76596	38.62084	128.93318	18.79433	5.70408	21.48886	1.17E-06	0.000737	0.000123	3.6E-10	1.09E-09	8.59E-10	9.51E-14	2.3E-12	1.27E-13	2.51917E-12	5.835E-10	0.00073668	0.000122798	3.68307E-10	3.84513E-13	1.83834E-10	6.39742E-14
386	570550.6	4178399	0.55, 41783	0.26039	0.20212	0.2399	127.75395	41.82578	149.79254	21.29232	6.25899	24.96542	1.37E-06	0.000856	0.000143	4.23E-10	1.28E-09	1.01E-09	1.12E-13	2.7E-12	1.49E-13	2.95947E-12	6.855E-10	0.00085586	0.000142664	4.3268E-10	4.51718E-13	2.15964E-10	7.51556E-14
387	570590.6	4178399	0.55, 41783	0.3185	0.25095	0.28739	144.10526	45.67081	172.10131	24.01754	7.17597	28.68355	1.64E-06	0.000983	0.000164	5.07E-10	1.53E-09	1.21E-09	1.34E-13	3.23E-12	1.78E-13	3.54534E-12	8.211E-10	0.00098332	0.00016391	5.18336E-10	5.41143E-13	2.58718E-10	9.00339E-14
388	570630.6	4178399	0.55, 41783	0.40291	0.32135	0.35272	177.65601	50.39519	203.06539	27.05917	8.74903	32.05961	2.02E-06	0.00116	0.000183	6.22E-10	1.88E-09	1.48E-09	1.64E-13	3.97E-12	2.19E-13	4.35132E-12	1.008E-09	0.00116024	0.000183203	6.36172E-10	6.64164E-13	3.17534E-10	1.10502E-13
389	570670.6	4178399	0.55, 41783	0.53348	0.4284	0.44753	224.79663	56.41372	278.51402	32.60934	10.76331	39.25369	2.56E-06	0.001591	0.000224	7.89E-10	2.38E-09	1.88E-09	2.08E-13	5.03E-12	2.78E-13	5.52102E-12	1.279E-09	0.0015913	0.000224312	8.07183E-10	8.42699E-13	4.02891E-10	1.40206E-13
390	570710.6	4178399	0.55, 41783	0.75271	0.60288	0.59636	297.96202	70.92072	361.49768	41.13122	14.0152	50.83456	3.41E-06	0.002065	0.00029	1.05E-09	3.18E-09	2.51E-09	2.78E-13	6.71E-12	3.7E-13	7.35719E-12	1.704E-09	0.00206543	0.000290489	1.07564E-09	1.12296E-12	5.36884E-10	1.86836E-13
391	570750.6	4178399	0.55, 41783	1.15447	0.90762	0.85203	416.42427	90.04322	551.74774	52.05303	22.1169	68.96847	4.87E-06	0.003152	0.000394	1.5E-09	4.54E-09	3.58E-09	3.97E-13	9.59E-12	5.29E-13	1.05115E-11	2.435E-09	0.00315239	0.000394107	1.5368E-09	1.60442E-12	7.67068E-10	2.6694E-13
392	570790.6	4178399	0.55, 41783	1.70092	1.35462	1.23288	632.44551	121.09647	736.15706	79.05569	31.00919	92.01963	7.05E-06	0.004206	0.000526	2.17E-09	6.56E-09	5.19E-09	5.74E-13	1.39E-11	7.66E-13	1.52102E-11	3.523E-09	0.00420603	0.000525843	2.22376E-09	2.32161E-12	1.10995E-09	3.86263E-13
393	570830.6	4178399	0.55, 41783	3.46088	2.976	2.05541	854.46592	185.76652	929.26678	157.19416	64.23703	133.05669	1.17E-05	0.005309	0.00076	3.63E-09	1.09E-08	8.65E-09	9.57E-13	2.31E-11	1.28E-12	2.53603E-11	5.874E-09	0.00530941	0.000760415	3.70772E-09	3.87086E-12	1.85064E-09	6.44023E-13
394	571110.6	4178399	0.55, 41783	4.7766	17.70794	5.53677	386.44752	237.89657	1139.86397	91.74551	117.26543	182.49582	3.17E-05	0.006513	0.001043	9.77E-09	2.95E-08	2.33E-08	2.58E-12	6.23E-11	3.44E-12	6.83423E-11	1.583E-08	0.00651258	0.001042765	9.99177E-09	1.04314E-11	4.98721E-09	1.73555E-12
395	571150.6	4178399	0.55, 41783	4.75682	9.04164	4.75414	493.27775	194.83019	977.82769	91.47407	80.27894	179.74579	2.72E-05	0.005587	0.001027	8.39E-09	2.53E-08	2E-08	2.21E-12	5.35E-11	2.95E-12	5.86635E-11	1.359E-08	0.0055868	0.001027053	8.57671E-09	8.95409E-12	4.28091E-09	1.48976E-12
396	571190.6	4178399	0.55, 41783	4.13591	5.67532	3.9763	541.83424	159.29594	784.3481	82.25115	55.55038	130.43816	2.27E-05	0.004481	0.000745	7.01E-09	2.12E-08	1.67E-08	1.85E-12	4.47E-11	2.47E-12	4.90597E-11	1.136E-08	0.00448139	0.000745338	7.17262E-09	7.48821E-12	3.58008E-09	1.24587E-12
397	571230.6	4178399	0.55, 41783	3.34043	3.91116	3.41587	419.25179	113.41297	723.05548	67.92735	42.50701	103.29364	1.95E-05	0.004131	0.00059	6.02E-09	1.82E-08	1.44E-08	1.59E-12	3.84E-11	2.12E-12	4.21421E-11	9.761E-09	0.00413113	0.000590236	6.16125E-09	6.43235E-12	3.07528E-09	1.0702E-12
398	571270.6	4178399	0.55, 41783	2.69096	2.84934	2.72459	276.99568	96.24025	620.23738	46.4546	32.10306	94.16047	1.56E-05	0.003544	0.000538	4.8E-09	1.45E-08	1.15E-08	1.27E-12	3.07E-11	1.69E-12	3.36128E-11	7.785E-09	0.00354367	0.000538023	4.91426E-09	5.13049E-12	2.45286E-09	8.53597E-13
399	571310.6	4178399	0.55, 41783	2.15304	2.16763	2.23142	240.01182	84.08056	257.12386	39.08125	24.00367	52.53394	1.28E-05	0.001469	0.0003	3.93E-09	1.19E-08	9.39E-09	1.04E-12	2.51E-11	1.39E-12	2.75281E-11	6.376E-09	0.00146914	0.000300194	4.02467E-09	4.20175E-12	2.00884E-09	6.99076E-13
400	571350.6	4178399	0.55, 41783	1.74135	1.70512	1.85867	224.12525	73.73672	326.22415	31.06226	18.34101	44.13622	1.06E-05	0.001864	0.000252	3.28E-09	9.9E-09	7.82E-09	8.66E-13	2.09E-11	1.15E-12	2.29294E-11	5.311E-09	0.0018639	0.000252204	3.35232E-09	3.49982E-12	1.67325E-09	5.8229E-13
401	571390.6	4178399	0.55, 41783	1.43215	1.37481	1.54866	207.21833	64.01827	312.56807	26.21992	15.02288	39.07101	8.85E-06	0.001786	0.000223	2.73E-09	8.25E-09	6.51E-09	7.21E-13	1.74E-11	9.62E-13	1.91048E-11	4.425E-09	0.00178586	0.000223259	2.79316E-09	2.91606E-12	1.39415E-09	4.85166E-13
402	571430.6	4178399	0.55, 41783	1.19016	1.12906	1.29293	179.9524	59.14274	244.73255	22.49405	12.88734	30.59157	7.39E-06	0.001398	0.000175	2.28E-09	6.88E-09	5.44E-09	6.02E-13	1.45E-11	8.03E-13	1.595E-11	3.694E-09	0.0013983	0.000174809	2.33192E-09	2.43452E-12	1.16393E-09	4.05049E-13
403	571470.6	4178399	0.55, 41783	0.9966	0.93995	1.08271	146.8642	55.47011	170.50633	18.35802	11.23121	21.31329	6.19E-06	0.000974	0.000122	1.91E-09	5.76E-09	4.55E-09	5.04E-13	1.22E-11	6.72E-13	1.33566E-11	3.094E-09	0.00097422	0.000121794	1.95276E-09	2.03868E-12	9.74686E-10	3.39191E-13
404	571510.6	4178399	0.55, 41783	0.8441	0.79417	0.91453	113.63796	52.27286	111.23462	14.20474	9.85599	18.36688	5.23E-06	0.000636	0.000105	1.61E-09	4.87E-09	3.85E-09	4.26E-13	1.03E-11	5.68E-13	1.12819E-11	2.613E-09	0.00063559	0.000104954	1.64943E-09	1.72201E-12	8.23286E-10	2.86503E-13
405	571550.6	4178399	0.55, 41783	0.71988	0.67749	0.77601	84.04695	49.45688	81.90115	12.59546	8.65245	16.41022	4.43E-06	0.000468	9.38E-05	1.37E-09	4.13E-09	3.26E-09	3.61E-13	8.73E-12	4.82E-13	9.57309E-12	2.217E-09	0.00046799	9.37733E-05	1.3996E-09	1.46119E-12	6.98587E-10	2.43108E-13
406	571590.6	4178399	0.55, 41783	0.61846	0.58359	0.66441	61.25343	46.95039	82.40366	11.31778	7.65227	14.12983	3.8E-06	0.000471	8.07E-05	1.17E-09	3.54E-09	2.79E-09	3.09E-13	7.47E-12	4.13E-13	8.19637E-12	1.898E-09	0.00047086	8.07432E-05	1.19832E-09	1.25105E-12	5.98122E-10	2.08147E-13
407	570310.6	4178439	0.55, 41784	0.11265	0.08111	0.10949	78.47962	27.91467	88.7071	13.07994	3.48933	14.78452	6.26E-07	0.000507	8.45E-05	1.93E-10	5.83E-10	4.6E-10	5.1E-14	1.23E-12	6.8E-14	1.35066E-12	3.128E-10	0.00050685	8.44863E-05	1.97469E-10	2.06158E-13	9.85632E-11	3.43E-14
408	570350.6	4178439	0.55, 41784	0.12585	0.09139	0.12175	84.54471	29.62734	96.42477	14.09078	3.70342	16.0708	6.96E-07	0.000551	9.18E-05	2.15E-10	6.48E-10	5.12E-10	5.67E-14	1.37E-12	7.56E-14	1.5019E-12	3.479E-10	0.00055094	9.18365E-05	2.19581E-10	2.29243E-13	1.096E-10	3.81408E-14
409	570390.6	4178439	0.55, 41784	0.14252	0.10489	0.13706	91.50908	31.67143	105.54781	15.25151	4.06451	17.5913	7.83E-07	0.000603	0.000101	2.42E-10	7.3E-10	5.76E-10	6.38E-14	1.54E-12	8.51E-14	1.69077E-12	3.916E-10	0.00060307	0.000100525	2.47194E-10	2.58071E-13	1.23383E-10	4.29371E-14
410	570430.6	4178439	0.55, 41784	0.16313	0.12204	0.15568	99.54775	33.93845	116.15512	16.59129	4.47421	19.35919	8.9E-07	0.000664	0.000111	2.75E-10	8.29E-10	6.55E-10	7.25E-14	1.75E-12	9.67E-14	1.92048E-12	4.448E-10	0.00066367	0.000110627	2.80778E-10	2.93132E-13	1.40145E-10	4.87705E-14
411	570470.6	4178439	0.55, 41784	0.18858	0.14267	0.1783	108.92524	36.54882	128.38607	18.15421	4.93599	21.39768	1.02E-06	0.000734	0.000122	3.14E-10	9.49E-10	7.5E-10	8.3E-14	2.01E-12	1.11E-13	2.19953E-12	5.094E-10	0.00073355	0.000122276	3.21575E-10	3.35725E-13	1.60509E-10	5.5857E-14
412	570510.6	4178439	0.55, 41784	0.22167	0.16966	0.20722	120.34611	39.98702	143.34164	20.05769	5.68986	23.89027	1.18E-06	0.000819	0.000137	3.65E-10	1.1E-09	8.72E-10	9.65E-14	2.33E-12	1.29E-13	2.5563E-12	5.921E-10	0.000819	0.000136519	3.73736E-10	3.90181E-13	1.86544E-10	6.49172E-14
413	570550.6	4178439	0.55, 41784	0.2658	0.20594	0.24496	134.27176	44.24032	161.13607	22.37863	6.83821	26.85601	1.4E-06	0.000921	0.000153	4.32E-10	1.3E-09	1.03E-09	1.14E-13	2.76E-12	1.52E-13	3.02189E-12	6.999E-10	0.00092067	0.000153467	4.41806E-10	4.61245E-13	2.20519E-10	7.67407E-14
414	570590.6	4178439	0.55, 41784	0.3272	0.25654	0.29583	151.91315	49.32778	182.29969	25.31886	8.30482	30.38328	1.69E-06	0.001042	0.000174	5.22E-10	1.58E-09	1.24E-09	1.38E-13	3.33E-12	1.84E-13	3.64946E-12	8.453E-10	0.00104159	0.000173623	5.33558E-10	5.57034E-13	2.66316E-10	9.26779E-14
415	570630.6	4178439	0.55, 41784	0.41735	0.33056	0.3671	175.42083	55.6235	213.97884	29.2368	10.21264	34.63299	2.1E-06	0.001223	0.000198	6.47E-10	1.95E-09	1.54E-09	1.71E-13	4.13E-12	2.28E-13	4.52871E-12	1.049E-09	0.00122259	0.000197908	6.62106E-10	6.91239E-13	3.30478E-10	1.15006E-13
416	570670.6	4178439	0.55, 41784	0.56024	0.44648	0.47194	208.37177	63.80907	268.23017	34.72863	12.75328	41.38807	2.7E-06	0.001533	0.000237	8.32E-10	2.51E-09	1.98E-09	2.2E-13	5.31E-12	2.93E-13	5.82214E-12	1.348E-09	0.00153255	0.00023651	8.51208E-10	8.88661E-13	4.24865E-10	1.47853E-13
417	570710.6	4178439	0.55, 41784	0.81434	0.64609	0.63688	258.28683	75.2647	339.8113	43.04781	16.40047	56.02404	3.64E-06	0.001942	0.00032	1.12E-09	3.39E-09	2.68E-09	2.97E-13	7.16E-12	3.96E-13	7.85709E-12	1.82E-09	0.00194153	0.00032014	1.14872E-09	1.19927E-12	5.73364E-10	1.99531E-13
418	570750.6	4178439	0.55, 41784	1.35572	1.03003	0.91926	343.9155	93.10334	457.76974	57.16949	22.25077	76.29496	5.25E-06	0.002615	0.000436	1.62E-09	4.89E-09	3.87E-09	4.28E-13	1.03E-11	5.71E-13	1.13411E-11	2.627E-09	0.00261548	0.000435972	1.65809E-09	1.73105E-12	8.27608E-10	2.88008E-13
419	570790.6	4178439	0.55, 41784	3.18264	2.0617	1.49283	571.47263	129.70009	738.76969	95.66015	38.79176	110.20608	8.53E-06	0.004221	0.00063	2.63E-09	7.95E-09	6.28E-09	6.95E-13	1.68E-11	9.27E-13	1.84189E-11	4.266E-09	0.00422095	0.000629771	2.69288E-09	2.81137E-12	1.3441E-09	4.67748E-13
420	571070.6	4178439	0.55, 41784	4.74443	12.25677	5.33303	251.71558	235.3671	557.08631	48.15254	87.29167	78.37734	3.05E-05	0.003183	0.000448	9.41E-09	2.84E-08	2.24E-08	2.48E-12	6E-11	3.31E-12	6.58129E-11	1.524E-08	0.00318307	0.000447855	9.62197E-09	1.00453E-11	4.80263E-09	1.67132E-12
421	571110.6	4178439	0.55, 41784	3.89854	10.39914	4.234	292.37938	213.76959	730.76501	54.55193	96.69541	95.26587	2.42E-05	0.004175	0.000544	7.47E-09	2.26E-08	1.78E-08	1.97E-12	4.76E-11	2.63E-12	5.22522E-11	1.21E-08	0.0041753	0.000544351	7.63938E-09	7.97551E-12	3.81306E-09	1.32694E-12
422	571150.6	4178439	0.55, 41784	3.24566	6.14355	3.38328	299.25996	151.74182	537.6659	53.26943	58.88405	104.89405	1.93E-05	0.003072	0.000599	5.97E-09	1.8E-08	1.42E-08	1.58E-12	3.81E-11	2.1E-12	4.17469E-11	9.669E-09	0.00307201	0.000599356	6.10347E-09	6.37203E-12	3.04644E-09	1.06016E-12
423	571190.6	4178439	0.55, 41784	2.68652	4.20662	2.81661	319.22111	114.25705	663.08885	45.60302	42.68486	97.00809	1.61E-05	0.003789	0.000554	4.97E-09	1.5E-08	1.18E-08	1.31E-12	3.17E-11	1.75E-12	3.47519E-11	8.049E-09	0.00378852	0.00055429	5.08079E-09	5.30434E-12	2.53598E-09	8.82523E-13
424	571230.6	4178439	0.55, 41784	2.2851	3.10379	2.38014	355.31137	114.374	594.35462	48.25343	33.87475	78.4876	1.36E-05	0.003396	0.000448	4.2E-09	1.27E-08	1E-08	1.11E-12	2.68E-11	1.48E-12	2.93653E-11	6.801E-09	0.00339584	0.000448485	4.29326E-09	4.48216E-12	2.1429E-09	7.4573E-13
425	571270.6	4178439	0.55, 41784	1.91581	2.39067	2.08735	281.61312	92.35093	457.23387	43.32371	28.45229	65.31912	1.19E-05	0.002612	0.000373	3.68E-09	1.11E-08	8.78E-09	9.72E-13	2.35E-11	1.3E-12	2.57519E-11	5.964E-09	0.00261241	0.000373244	3.76497E-09	3.93063E-12	1.87922E-09	6.53968E-13
426	571310.6	4178439	0.55, 41784	1.62017	1.88774	1.73959	249.98498	75.512	443.82502	38.72011	23.46838	65.04063	9.94E-06	0.002536	0.000372	3.07E-09	9.26E-09	7.32E-09	8.1E-13	1.96E-11	1.08E-12	2.14612E-11	4.971E-09	0.00253577	0.000371646	3.13767E-09	3.27573E-12	1.56611E-09	5.45007E-13
427	571350.6	4178439	0.55, 41784	1.36969	1.52492	1.4607	207.90528	71.02603	289.54604	31.99215	18.96422	43.80183	8.35E-06	0.001654	0.00025	2.58E-09	7.78E-09	6.14E-09	6.8E-13	1.64E-11	9.07E-13	1.80204E-11	4.174E-09	0.00165434	0.000250295	2.63462E-09	2.75054E-12	1.31502E-09	4.57627E-13
428	571390.6	4178439	0.55, 41784	1.16602	1.25794	1.25769	137.82846	66.02867	157.99714	21.56098	15.29437	27.7078	7.19E-06	0.000903	0.000158	2.22E-09	6.7E-09	5.29E-09	5.86E-13	1.41E-11	7.81E-13	1.55157E-11	3.594E-09	0.00090277	0.000158332	2.26843E-09	2.36824E-12	1.13224E-09	3.94021E-13
429	571430.6	4178439	0.55, 41784	1.00225	1.05165	1.08939	150.81052	60.59063	188.78292	19.07395	12.70811	25.02004	6.23E-06	0.001079	0.000143	1.92E-09	5.8E-09	4.58E-09	5.07E-13	1.23E-11	6.77E-13	1.34393E-11	3.113E-09	0.00107865	0.000142972	1.96486E-09	2.05131E-12	9.80723E-10	3.41292E-13
430	571470.6	4178439	0.55, 41784	0.86528	0.88825	0.94207	153.64691	54.59461	206.40776	19.20586	10.6849	25.80097	5.38E-06	0.001179	0.000147	1.66E-09	5.02E-09	3.96E-09	4.39E-13	1.06E-11	5.85E-13	1.16218E-11	2.692E-09	0.00117933	0.000147434	1.69914E-09	1.7739E-12	8.48093E-10	2.95137E-13
431	571510.6	4178439	0.55, 41784	0.75493	0.76151	0.82291	144.52703	49.13224	189.90829	18.06588	9.74189	23.73854	4.7E-06	0.001085	0.000136	1.45E-09	4.38E-09	3.46E-09	3.83E-13	9.26E-12	5.11E-13	1.01518E-11	2.351E-09	0.00108506	0.000135649	1.48421E-09	1.54952E-12	7.40817E-10	2.57804E-13
432	571550.6	4178439	0.55, 41784	0.65913	0.65716	0.71761	127.58758	46.59598	156.05984	15.94845	8.8858	19.50748	4.1E-06	0.000892	0.000111	1.27E-09	3.82E-09	3.02E-09	3.34E-13	8.07E-12	4.46E-13	8.85274E-12	2.05E-09	0.00089167	0.000111474	1.29429E-09	1.35124E-12	6.4602E-10	2.24815E-13
433	571590.6	4178439	0.55, 41784	0.57626	0.57045	0.62441	106.82976	44.35137	118.44703	13.35372	8.08009	14.80588	3.57E-06	0.000677	8.46E-05	1.1E-09	3.32E-09	2.63E-09	2.91E-13	7.02E-12	3.88E-13	7.70298E-12	1.784E-09	0.00067678	8.46087E-05	1.12619E-09	1.17574E-12	5.62118E-10	1.95617E-13
434	570310.6	4178479	0.55, 41784	0.1113	0.08183	0.10709	74.58423	29.47815	84.27127	11.80727	4.00274	12.56763	6.12E-07	0.000482	7.18E-05	1.89E-10	5.7E-10	4.5E-10	4.99E-14	1.2E-12	6.65E-14	1.32106E-12	3.06E-10	0.00048151	7.18189E-05	1.93142E-10	2.0164E-13	9.64033E-11	3.35483E-14
435	570350.6	4178479	0.55, 41784	0.12561	0.09388	0.12027	80.0812	31.76761	91.05741	12.83362	4.33491	13.82729	6.87E-07	0.00052	7.9E-05	2.12E-10	6.4E-10	5.06E-10	5.6E-14	1.35E-12	7.47E-14	1.48366E-12	3.436E-10	0.00052028	7.90171E-05	2.16914E-10	2.26458E-13	1.08268E-10	3.76774E-14
436	570390.6	4178479	0.55, 41784	0.14146	0.10678	0.13471	86.10528	34.01158	98.86723	14.01299	4.67053	15.28263	7.7E-07	0.000565	8.73E-05	2.38E-10	7.17E-10	5.67E-10	6.27E-14	1.52E-12	8.37E-14	1.66179E-12	3.849E-10	0.0005649	8.73335E-05	2.42958E-10	2.53648E-13	1.21268E-10	4.22012E-14
437	570430.6	4178479	0.55, 41784	0.16075	0.12266	0.15218	93.00088	36.36689	108.11431	15.32204	5.02469	17.00047	8.7E-07	0.000618	9.71E-05	2.68E-10	8.1E-10	6.4E-10	7.09E-14	1.71E-12	9.45E-14	1.87731E-12	4.348E-10	0.00061774	9.71498E-05	2.74467E-10	2.86543E-13	1.36995E-10	4.76743E-14
438	570470.6	4178479	0.55, 41784	0.18644	0.14379	0.17515	101.96042	39.51551	120.09702	16.93263	5.48718	19.18544	1E-06	0.000686	0.00011	3.09E-10	9.33E-10	7.37E-10	8.16E-14	1.97E-12	1.09E-13	2.16068E-12	5.004E-10	0.0006862	0.000109635	3.15896E-10	3.29795E-13	1.57674E-10	5.48705E-14
439	570510.6	4178479	0.55, 41784	0.22079	0.17209	0.20548	113.44919	43.50567	135.70428	18.9082	6.17272	22.02345	1.17E-06	0.000775	0.000126	3.62E-10	1.09E-09	8.64E-10	9.57E-14	2.31E-12	1.28E-13	2.53485E-12	5.871E-10	0.00077537	0.000125852	3.706E-10	3.86906E-13	1.84978E-10	6.43724E-14
440	570550.6	4178479	0.55, 41784	0.2667	0.21004	0.24533	127.7059	48.20733	155.63974	21.28432	7.34053	25.62853	1.4E-06	0.000889	0.000146	4.33E-10	1.31E-09	1.03E-09	1.14E-13	2.76E-12	1.52E-13	3.02646E-12	7.01E-10	0.00088928	0.000146452	4.42475E-10	4.61944E-13	2.20853E-10	7.6857E-14
441	570590.6	4178479	0.55, 41784	0.32931	0.26248	0.29831	144.67878	53.44745	182.17951	24.11313	8.81975	30.24215	1.7E-06	0.001041	0.000173	5.26E-10	1.59E-09	1.25E-09	1.39E-13	3.36E-12	1.85E-13	3.68006E-12	8.524E-10	0.00104091	0.000172815	5.38032E-10	5.61706E-13	2.68549E-10	9.34551E-14
442	570630.6	4178479	0.55, 41784	0.42133	0.33962	0.37314	165.95931	60.05375	219.0797	27.65989	10.77683	36.51328	2.13E-06	0.001252	0.000209	6.58E-10	1.99E-09	1.57E-09	1.74E-13	4.2E-12	2.32E-13	4.60323E-12	1.066E-09	0.00125174	0.000208648	6.73001E-10	7.02613E-13	3.35917E-10	1.16899E-13
443	570670.6	4178479	0.55, 41784	0.56746	0.46145	0.48445	193.36004	69.0612	272.47405	32.22667	13.5092	45.41234	2.77E-06	0.001557	0.000259	8.54E-10	2.58E-09	2.04E-09	2.26E-13	5.45E-12	3.01E-13	5.97647E-12	1.384E-09	0.00155681	0.000259497	8.73772E-10	9.12218E-13	4.36128E-10	1.51772E-13
444	570710.6	4178479	0.55, 41784	0.83023	0.67528	0.66195	236.53606	81.84268	352.22256	39.07222	17.68943	58.70376	3.78E-06	0.002012	0.000335	1.17E-09	3.52E-09	2.78E-09	3.08E-13	7.45E-12	4.11E-13	8.16638E-12	1.891E-09	0.00201244	0.000335443	1.19394E-09	1.24647E-12	5.95934E-10	2.07385E-13
445	570750.6	4178479	0.55, 41784	1.42426	1.12918	0.97629	342.03514	102.90165	482.1747	49.67165	25.1054	80.36245	5.58E-06	0.002755	0.000459	1.72E-09	5.2E-09	4.11E-09	4.55E-13	1.1E-11	6.06E-13	1.20448E-11	2.79E-09	0.00275492	0.000459198	1.76098E-09	1.83846E-12	8.78959E-10	3.05878E-13
446	570790.6	4178479	0.55, 41784	3.63047	2.75084	1.62936	596.75244	187.47347	722.34167	107.7468	51.23422	120.39028	9.31E-06	0.004127	0.000688	2.87E-09	8.68E-09	6.85E-09	7.59E-13	1.83E-11	1.01E-12	2.0105E-11	4.657E-09	0.00412718	0.000687973	2.93939E-09	3.06873E-12	1.46715E-09	5.10567E-13
447	571030.6	4178479	0.55, 41784	9.40071	15.68167	11.18665	333.68631	267.08575	756.18793	81.11776	110.69164	178.64972	6.39E-05	0.004321	0.001021	1.97E-08	5.96E-08	4.71E-08	5.21E-12	1.26E-10	6.95E-12	1.38019E-10	3.197E-08	0.00432062	0.001020775	2.01787E-08	2.10666E-11	1.00718E-08	3.505E-12
448	571070.6	4178479	0.55, 41784	5.59712	9.0131	6.53916	216.22006	204.77885	522.16381	54.58514	76.29745	101.00005	3.74E-05	0.002984	0.000577	1.15E-08	3.48E-08	2.75E-08	3.05E-12	7.36E-11	4.06E-12	8.06789E-11	1.869E-08	0.00298351	0.000577111	1.17954E-08	1.23144E-11	5.88747E-09	2.04884E-12
449	571110.6	4178479	0.55, 41784	3.86033	5.8724	4.45436	232.77263	158.88759	526.3096	40.87392	60.11848	68.10823	2.55E-05	0.003007	0.000389	7.86E-09	2.37E-08	1.87E-08	2.07E-12	5.01E-11	2.77E-12	5.49562E-11	1.273E-08	0.00300713	0.000389175	8.03471E-09	8.38823E-12	4.01038E-09	1.39561E-12
450	571150.6	4178479	0.55, 41784	2.87873	4.17215	3.24074	243.47288	131.88403	510.79766	36.94401	47.80365	68.59206	1.85E-05	0.002918	0.000392	5.72E-09	1.73E-08	1.36E-08	1.51E-12	3.65E-11	2.01E-12	3.99828E-11	9.261E-09	0.00291847	0.000391933	5.84556E-09	6.10276E-12	2.9177E-09	1.01536E-12
451	571190.6	4178479	0.55, 41784	2.25924	3.11768	2.54212	272.99859	103.34976	495.79992	40.61499	35.56429	82.63332	1.45E-05	0.002833	0.000472	4.48E-09	1.35E-08	1.07E-08	1.18E-12	2.86E-11	1.58E-12	3.1363E-11	7.264E-09	0.00283275	0.000472158	4.58534E-09	4.78709E-12	2.28869E-09	7.96463E-13
452	571230.6	4178479	0.55, 41784	1.86428	2.43731	2.04705	228.60917	88.43023	428.91859	34.9281	28.65964	53.61482	1.17E-05	0.002451	0.000306	3.61E-09	1.09E-08	8.61E-09	9.53E-13	2.3E-11	1.27E-12	2.5255E-11	5.849E-09	0.00245062	0.000306363	3.69233E-09	3.85479E-12	1.84296E-09	6.41349E-13
453	571270.6	4178479	0.55, 41784	1.58233	1.95726	1.72288	275.18297	89.4878	451.79055	39.56066	24.38596	62.99097	9.85E-06	0.002581	0.00036	3.04E-09	9.17E-09	7.25E-09	8.02E-13	1.94E-11	1.07E-12	2.12553E-11	4.923E-09	0.0025813	0.000359937	3.10757E-09	3.2443E-12	1.55109E-09	5.39778E-13
454	571310.6	4178479	0.55, 41784	1.35793	1.6065	1.5101	222.77943	77.47813	328.49847	32.82803	21.05024	46.46168	8.63E-06	0.001877	0.000265	2.66E-09	8.04E-09	6.35E-09	7.03E-13	1.7E-11	9.38E-13	1.86299E-11	4.315E-09	0.0018769	0.000265493	2.72373E-09	2.84357E-12	1.3595E-09	4.73106E-13
455	571350.6	4178479	0.55, 41784	1.1642	1.33076	1.27594	210.30644	64.61424	297.95893	30.9494	18.13628	42.55235	7.29E-06	0.001702	0.000243	2.25E-09	6.79E-09	5.37E-09	5.94E-13	1.44E-11	7.92E-13	1.5741E-11	3.646E-09	0.0017024	0.000243155	2.30137E-09	2.40263E-12	1.14869E-09	3.99743E-13
456	571390.6	4178479	0.55, 41784	1.001	1.11694	1.07653	187.8278	60.73144	278.37154	27.7002	15.35336	39.86006	6.15E-06	0.00159	0.000228	1.9E-09	5.73E-09	4.53E-09	5.01E-13	1.21E-11	6.69E-13	1.32809E-11	3.076E-09	0.00159049	0.000227769	1.9417E-09	2.02713E-12	9.69163E-10	3.37269E-13
457	571430.6	4178479	0.55, 41784	0.8626	0.94616	0.9271	141.00765	57.76687	153.44465	20.99683	12.7525	23.01436	5.3E-06	0.000877	0.000132	1.63E-09	4.94E-09	3.9E-09	4.32E-13	1.04E-11	5.76E-13	1.14374E-11	2.649E-09	0.00087675	0.000131517	1.67217E-09	1.74574E-12	8.34633E-10	2.90452E-13
458	571470.6	4178479	0.55, 41784	0.75511	0.81334	0.81471	85.41876	54.87579	110.14274	13.60469	11.10539	17.11986	4.66E-06	0.000629	9.78E-05	1.44E-09	4.34E-09	3.43E-09	3.79E-13	9.17E-12	5.06E-13	1.00508E-11	2.328E-09	0.00062935	9.78292E-05	1.46945E-09	1.5341E-12	7.33448E-10	2.5524E-13
459	571510.6	4178479	0.55, 41784	0.666	0.70453	0.71826	104.54177	51.61661	121.24791	13.06772	9.4895	15.99878	4.1E-06	0.000693	9.14E-05	1.27E-09	3.82E-09	3.02E-09	3.35E-13	8.08E-12	4.46E-13	8.8609E-12	2.052E-09	0.00069279	9.14235E-05	1.29548E-09	1.35248E-12	6.46616E-10	2.25022E-13
460	571550.6	4178479	0.55, 41784	0.58993	0.61436	0.63446	114.23468	47.78612	141.81512	14.27934	8.47335	17.72689	3.63E-06	0.00081	0.000101	1.12E-09	3.38E-09	2.67E-09	2.95E-13	7.14E-12	3.94E-13	7.82707E-12	1.813E-09	0.00081029	0.000101298	1.14433E-09	1.19468E-12	5.71173E-10	1.98768E-13
461	571590.6	4178479	0.55, 41784	0.5248	0.5396	0.56365	114.71837	43.31659	143.69009	14.3398	7.89274	17.96126	3.22E-06	0.000821	0.000103	9.94E-10	3E-09	2.37E-09	2.63E-13	6.34E-12	3.5E-13	6.9535E-12	1.611E-09	0.000821	0.000102637	1.01661E-09	1.06135E-12	5.07425E-10	1.76584E-13
462	570310.6	4178519	0.55, 41785	0.10968	0.08323	0.10459	75.92481	30.95134	85.20389	12.65413	4.31611	14.20065	5.98E-07	0.000487	8.11E-05	1.84E-10	5.57E-10	4.4E-10	4.87E-14	1.18E-12	6.49E-14	1.29023E-12	2.988E-10	0.00048684	8.11499E-05	1.88634E-10	1.96934E-13	9.41535E-11	3.27654E-14
463	570350.6	4178519	0.55, 41785	0.12253	0.09413	0.11632	80.98331	32.52203	91.70345	13.49722	4.56123	15.28391	6.65E-07	0.000524	8.73E-05	2.05E-10	6.19E-10	4.89E-10	5.42E-14	1.31E-12	7.22E-14	1.43494E-12	3.324E-10	0.00052397	8.734E-05	2.09791E-10	2.19022E-13	1.04713E-10	3.64403E-14
464	570390.6	4178519	0.55, 41785	0.13706	0.10653	0.12954	86.4192	34.09518	99.00991	14.4032	4.78567	16.50165	7.4E-07	0.000566	9.43E-05	2.28E-10	6.9E-10	5.45E-10	6.03E-14	1.46E-12	8.04E-14	1.59803E-12	3.701E-10	0.00056572	9.42985E-05	2.33635E-10	2.43915E-13	1.16615E-10	4.05819E-14
465	570430.6	4178519	0.55, 41785	0.15657	0.12308	0.14711	93.48729	36.56809	108.68156	15.58121	5.11226	18.11359	8.41E-07	0.000621	0.000104	2.59E-10	7.83E-10	6.19E-10	6.85E-14	1.65E-12	9.14E-14	1.81478E-12	4.203E-10	0.00062098	0.00010351	2.65325E-10	2.76999E-13	1.32432E-10	4.60864E-14
466	570470.6	4178519	0.55, 41785	0.18113	0.14422	0.16907	101.65142	39.2669	120.52836	16.9419	5.47129	20.08806	9.66E-07	0.000689	0.000115	2.98E-10	9E-10	7.11E-10	7.87E-14	1.9E-12	1.05E-13	2.08569E-12	4.831E-10	0.00068866	0.000114792	3.04933E-10	3.1835E-13	1.52202E-10	5.29662E-14
467	570510.6	4178519	0.55, 41785	0.21556	0.17373	0.19928	112.42418	43.21366	137.68321	18.73736	6.23491	22.9472	1.14E-06	0.000787	0.000131	3.51E-10	1.06E-09	8.38E-10	9.28E-14	2.24E-12	1.24E-13	2.45839E-12	5.694E-10	0.00078668	0.00013113	3.59421E-10	3.75235E-13	1.79398E-10	6.24306E-14
468	570550.6	4178519	0.55, 41785	0.26244	0.21401	0.23948	127.39838	48.06291	159.66591	20.89373	7.26318	26.61098	1.37E-06	0.000912	0.000152	4.22E-10	1.28E-09	1.01E-09	1.12E-13	2.69E-12	1.49E-13	2.95432E-12	6.843E-10	0.00091228	0.000152065	4.31928E-10	4.50933E-13	2.15589E-10	7.5025E-14
469	570590.6	4178519	0.55, 41785	0.32438	0.26815	0.29055	146.74921	52.55391	186.84388	23.05175	8.49659	31.14065	1.66E-06	0.001068	0.000178	5.12E-10	1.55E-09	1.22E-09	1.35E-13	3.27E-12	1.8E-13	3.58437E-12	8.302E-10	0.00106756	0.000177946	5.24042E-10	5.471E-13	2.61566E-10	9.1025E-14
470	570630.6	4178519	0.55, 41785	0.41604	0.34788	0.36203	170.82398	60.03664	221.85088	25.41079	10.076	36.97515	2.07E-06	0.001268	0.000211	6.38E-10	1.93E-09	1.52E-09	1.69E-13	4.07E-12	2.25E-13	4.46623E-12	1.034E-09	0.00126757	0.000211283	6.52972E-10	6.81703E-13	3.25919E-10	1.1342E-13
471	570670.6	4178519	0.55, 41785	0.56352	0.47347	0.46761	210.6175	71.54419	266.74609	27.95974	12.2085	44.45768	2.67E-06	0.001524	0.000254	8.25E-10	2.49E-09	1.97E-09	2.18E-13	5.26E-12	2.9E-13	5.76882E-12	1.336E-09	0.00152409	0.000254036	8.43412E-10	8.80522E-13	4.20974E-10	1.46499E-13
472	570710.6	4178519	0.55, 41785	0.82936	0.69158	0.6351	257.30872	94.91316	337.8148	32.16359	16.3308	53.60133	3.63E-06	0.00193	0.000306	1.12E-09	3.38E-09	2.67E-09	2.96E-13	7.15E-12	3.94E-13	7.83528E-12	1.815E-09	0.00193015	0.000306281	1.14553E-09	1.19594E-12	5.71772E-10	1.98977E-13
473	570750.6	4178519	0.55, 41785	1.36529	1.13262	0.93188	327.60111	130.96882	473.41526	45.80096	29.91109	62.68561	5.33E-06	0.002705	0.000358	1.64E-09	4.96E-09	3.92E-09	4.34E-13	1.05E-11	5.79E-13	1.14971E-11	2.663E-09	0.00270492	0.000358202	1.6809E-09	1.75486E-12	8.38989E-10	2.91968E-13
474	570790.6	4178519	0.55, 41785	2.09469	1.90095	1.39228	339.24086	174.34023	730.67406	59.4987	49.70987	91.33426	7.96E-06	0.004175	0.000522	2.46E-09	7.41E-09	5.86E-09	6.49E-13	1.57E-11	8.65E-13	1.71779E-11	3.979E-09	0.00417473	0.000521897	2.51145E-09	2.62195E-12	1.25354E-09	4.36233E-13
475	570990.6	4178519	0.55, 41785	30.9381	16.28557	11.79039	1645.60932	278.46944	1244.70182	444.29015	131.46412	279.7997	6.74E-05	0.007112	0.001599	2.08E-08	6.28E-08	4.96E-08	5.49E-12	1.33E-10	7.32E-12	1.45475E-10	3.369E-08	0.00711179	0.001599226	2.12687E-08	2.22045E-11	1.06159E-08	3.69433E-12
476	571030.6	4178519	0.55, 41785	10.39533	8.05295	7.62595	575.07494	188.36146	999.69988	130.51861	75.45666	173.23921	4.36E-05	0.005712	0.00099	1.34E-08	4.06E-08	3.21E-08	3.55E-12	8.58E-11	4.74E-12	9.40813E-11	2.179E-08	0.00571176	0.000989941	1.37549E-08	1.43601E-11	6.8655E-09	2.38919E-12
477	571070.6	4178519	0.55, 41785	5.62777	5.38206	5.21191	327.13066	151.27996	542.64793	61.45445	56.79768	91.26612	2.98E-05	0.0031	0.000522	9.19E-09	2.78E-08	2.19E-08	2.43E-12	5.86E-11	3.24E-12	6.42984E-11	1.489E-08	0.00310048	0.000521511	9.40056E-09	9.81418E-12	4.69212E-09	1.63286E-12
478	571110.6	4178519	0.55, 41785	3.70135	3.92679	3.70614	194.51307	130.68512	402.95521	41.68788	44.49195	69.09918	2.12E-05	0.002302	0.000395	6.54E-09	1.97E-08	1.56E-08	1.73E-12	4.17E-11	2.3E-12	4.57222E-11	1.059E-08	0.00230235	0.000394837	6.68468E-09	6.9788E-12	3.33654E-09	1.16111E-12
479	571150.6	4178519	0.55, 41785	2.69329	3.00723	2.77155	208.02281	103.35418	440.08145	30.40761	37.50867	55.01018	1.58E-05	0.002514	0.000314	4.89E-09	1.48E-08	1.17E-08	1.29E-12	3.12E-11	1.72E-12	3.41925E-11	7.919E-09	0.00251442	0.000314328	4.99901E-09	5.21896E-12	2.49516E-09	8.68317E-13
480	571190.6	4178519	0.55, 41785	2.08526	2.38411	2.19601	205.94825	100.14217	330.97092	32.90062	31.32752	44.74048	1.25E-05	0.001891	0.000256	3.87E-09	1.17E-08	9.24E-09	1.02E-12	2.47E-11	1.36E-12	2.70921E-11	6.275E-09	0.00189105	0.000255659	3.96091E-09	4.13519E-12	1.97702E-09	6.88002E-13
481	571230.6	4178519	0.55, 41785	1.66362	1.91731	1.76389	215.41751	83.66277	360.55042	30.77393	25.17962	52.13444	1.01E-05	0.00206	0.000298	3.11E-09	9.39E-09	7.42E-09	8.22E-13	1.98E-11	1.1E-12	2.1761E-11	5.04E-09	0.00206002	0.000297899	3.1815E-09	3.32149E-12	1.58799E-09	5.5262E-13
482	571270.6	4178519	0.55, 41785	1.38104	1.58176	1.44385	194.90891	74.63088	227.07234	31.16799	21.56574	34.54332	8.25E-06	0.001297	0.000197	2.55E-09	7.69E-09	6.07E-09	6.72E-13	1.62E-11	8.97E-13	1.78127E-11	4.126E-09	0.00129743	0.000197399	2.60426E-09	2.71885E-12	1.29987E-09	4.52354E-13
483	571310.6	4178519	0.55, 41785	1.18628	1.33473	1.24995	227.7435	74.01926	353.91479	34.0231	18.88588	51.12416	7.14E-06	0.002022	0.000292	2.2E-09	6.66E-09	5.26E-09	5.82E-13	1.41E-11	7.76E-13	1.54205E-11	3.572E-09	0.0020221	0.000292132	2.25451E-09	2.35371E-12	1.1253E-09	3.91603E-13
484	571350.6	4178519	0.55, 41785	1.02794	1.1349	1.10387	186.21806	66.32591	255.87469	28.09378	16.3212	37.6065	6.31E-06	0.001462	0.000215	1.95E-09	5.88E-09	4.64E-09	5.14E-13	1.24E-11	6.86E-13	1.36182E-11	3.154E-09	0.00146197	0.000214895	1.99101E-09	2.07861E-12	9.93774E-10	3.45833E-13
485	571390.6	4178519	0.55, 41785	0.88898	0.96986	0.94947	165.64096	58.31983	230.86073	23.55305	14.40747	29.95608	5.43E-06	0.001319	0.000171	1.67E-09	5.06E-09	3.99E-09	4.42E-13	1.07E-11	5.9E-13	1.17134E-11	2.713E-09	0.00131904	0.00017118	1.71252E-09	1.78787E-12	8.54772E-10	2.97461E-13
486	571430.6	4178519	0.55, 41785	0.7696	0.83467	0.8102	166.81635	54.79876	235.11797	23.72844	12.50769	32.6638	4.63E-06	0.001343	0.000187	1.43E-09	4.31E-09	3.41E-09	3.77E-13	9.11E-12	5.03E-13	9.99526E-12	2.315E-09	0.00134336	0.000186649	1.46133E-09	1.52562E-12	7.29394E-10	2.53829E-13
487	571470.6	4178519	0.55, 41785	0.67066	0.72494	0.7032	138.40145	51.97552	171.46902	19.82816	10.73341	24.30543	4.02E-06	0.00098	0.000139	1.24E-09	3.74E-09	2.96E-09	3.28E-13	7.91E-12	4.37E-13	8.67522E-12	2.009E-09	0.00097972	0.000138891	1.26833E-09	1.32414E-12	6.33066E-10	2.20307E-13
488	571510.6	4178519	0.55, 41785	0.58987	0.63439	0.62004	93.94363	49.66848	89.41667	13.736	9.50533	13.29785	3.54E-06	0.000511	7.6E-05	1.09E-09	3.3E-09	2.61E-09	2.89E-13	6.98E-12	3.85E-13	7.64928E-12	1.772E-09	0.00051093	7.59938E-05	1.11834E-09	1.16755E-12	5.58199E-10	1.94253E-13
489	571550.6	4178519	0.55, 41785	0.52422	0.55926	0.55249	64.7066	47.53612	82.72316	9.81761	8.44297	11.85775	3.16E-06	0.000473	6.78E-05	9.74E-10	2.94E-09	2.32E-09	2.57E-13	6.22E-12	3.43E-13	6.81592E-12	1.579E-09	0.00047268	6.77602E-05	9.965E-10	1.04035E-12	4.97385E-10	1.7309E-13
490	571590.6	4178519	0.55, 41785	0.47148	0.49721	0.49682	75.39988	45.27823	83.60413	9.54319	7.49343	11.2302	2.84E-06	0.000478	6.42E-05	8.76E-10	2.65E-09	2.09E-09	2.31E-13	5.59E-12	3.09E-13	6.12911E-12	1.42E-09	0.00047772	6.41745E-05	8.96088E-10	9.35516E-13	4.47266E-10	1.55649E-13
491	570310.6	4178559	0.55, 41785	0.10731	0.08405	0.10201	76.80272	30.54078	89.48595	12.80045	4.19275	14.91432	5.83E-07	0.000511	8.52E-05	1.8E-10	5.43E-10	4.29E-10	4.75E-14	1.15E-12	6.33E-14	1.25841E-12	2.915E-10	0.0005113	8.52274E-05	1.83983E-10	1.92078E-13	9.18316E-11	3.19574E-14
492	570350.6	4178559	0.55, 41785	0.11907	0.09438	0.11262	82.9813	31.5625	94.82328	13.39224	4.31782	15.80388	6.44E-07	0.000542	9.03E-05	1.99E-10	6E-10	4.74E-10	5.24E-14	1.27E-12	6.99E-14	1.38931E-12	3.218E-10	0.00054179	9.03105E-05	2.03119E-10	2.12057E-13	1.01383E-10	3.52814E-14
493	570390.6	4178559	0.55, 41785	0.1339	0.10748	0.12591	90.55746	32.83588	101.05325	14.07263	4.47793	16.84221	7.2E-07	0.000577	9.62E-05	2.22E-10	6.7E-10	5.3E-10	5.86E-14	1.42E-12	7.82E-14	1.55326E-12	3.598E-10	0.00057739	9.62437E-05	2.2709E-10	2.37082E-13	1.13348E-10	3.9445E-14
494	570430.6	4178559	0.55, 41785	0.15297	0.12443	0.14282	99.07784	34.42492	111.25467	14.88754	4.68196	18.0897	8.16E-07	0.000636	0.000103	2.52E-10	7.6E-10	6.01E-10	6.65E-14	1.61E-12	8.87E-14	1.76188E-12	4.081E-10	0.00063568	0.000103372	2.5759E-10	2.68924E-13	1.28571E-10	4.47428E-14
495	570470.6	4178559	0.55, 41785	0.17711	0.14611	0.16369	108.3811	37.13833	125.77833	15.68816	5.10948	19.33096	9.35E-07	0.000719	0.00011	2.89E-10	8.72E-10	6.88E-10	7.62E-14	1.84E-12	1.02E-13	2.01935E-12	4.677E-10	0.00071866	0.000110465	2.95232E-10	3.08223E-13	1.4736E-10	5.12812E-14
496	570510.6	4178559	0.55, 41785	0.21022	0.1758	0.19176	119.02071	41.74654	144.28309	16.67371	5.7123	20.76073	1.1E-06	0.000824	0.000119	3.38E-10	1.02E-09	8.07E-10	8.93E-14	2.16E-12	1.19E-13	2.36564E-12	5.479E-10	0.00082438	0.000118635	3.45862E-10	3.6108E-13	1.72631E-10	6.00755E-14
497	570550.6	4178559	0.55, 41785	0.25686	0.21737	0.22998	138.81712	48.97119	169.0217	17.78034	6.5378	22.20322	1.31E-06	0.000966	0.000127	4.06E-10	1.22E-09	9.67E-10	1.07E-13	2.59E-12	1.43E-13	2.83717E-12	6.571E-10	0.00096573	0.000126878	4.14799E-10	4.3305E-13	2.0704E-10	7.20497E-14
498	570590.6	4178559	0.55, 41785	0.31921	0.27311	0.27901	158.95656	55.69599	196.40207	19.86957	7.90259	24.55026	1.59E-06	0.001122	0.00014	4.92E-10	1.49E-09	1.17E-09	1.3E-13	3.14E-12	1.73E-13	3.44206E-12	7.972E-10	0.00112217	0.00014029	5.03236E-10	5.25378E-13	2.51181E-10	8.7411E-14
499	570630.6	4178559	0.55, 41785	0.41072	0.35398	0.34795	180.38278	65.18573	228.48167	22.54785	9.64997	28.56021	1.99E-06	0.001305	0.000163	6.14E-10	1.85E-09	1.46E-09	1.62E-13	3.91E-12	2.16E-13	4.2926E-12	9.942E-10	0.00130546	0.000163203	6.27586E-10	6.552E-13	3.13248E-10	1.0901E-13
500	570670.6	4178559	0.55, 41785	0.55178	0.47716	0.45068	218.05495	85.23197	290.43238	27.25687	14.02323	36.30405	2.58E-06	0.001659	0.000207	7.95E-10	2.4E-09	1.9E-09	2.1E-13	5.07E-12	2.8E-13	5.56002E-12	1.288E-09	0.00165943	0.000207452	8.12886E-10	8.48653E-13	4.05737E-10	1.41197E-13
501	570710.6	4178559	0.55, 41785	0.78132	0.6809	0.62169	244.71244	105.12049	355.26836	32.595	21.74638	44.40855	3.55E-06	0.00203	0.000254	1.1E-09	3.31E-09	2.61E-09	2.9E-13	6.99E-12	3.86E-13	7.66984E-12	1.776E-09	0.00202988	0.000253763	1.12135E-09	1.17068E-12	5.59699E-10	1.94775E-13
502	570750.6	4178559	0.55, 41785	1.13763	1.02831	0.92752	276.33124	124.7524	514.56755	39.47589	32.46528	64.32094	5.3E-06	0.00294	0.000368	1.64E-09	4.94E-09	3.9E-09	4.32E-13	1.04E-11	5.76E-13	1.14429E-11	2.65E-09	0.00294001	0.000367535	1.67298E-09	1.74659E-12	8.35036E-10	2.90593E-13
503	570790.6	4178559	0.55, 41785	1.48115	1.46435	1.34156	285.306	157.20995	776.24295	43.19026	42.97795	97.64972	7.67E-06	0.004435	0.000558	2.37E-09	7.14E-09	5.64E-09	6.25E-13	1.51E-11	8.33E-13	1.65508E-11	3.833E-09	0.00443504	0.000557952	2.41977E-09	2.52624E-12	1.20778E-09	4.20308E-13
504	570830.6	4178559	0.55, 41785	2.67811	2.99292	2.3948	342.02881	178.80856	871.65336	66.23843	64.34565	121.28657	1.37E-05	0.00498	0.000693	4.22E-09	1.28E-08	1.01E-08	1.12E-12	2.69E-11	1.49E-12	2.95459E-11	6.843E-09	0.00498017	0.000693029	4.31966E-09	4.50973E-12	2.15608E-09	7.50316E-13
505	570950.6	4178559	0.55, 41785	26.55575	12.00196	5.05287	679.01352	318.67052	1487.06516	280.37281	116.3834	245.48668	2.89E-05	0.008496	0.001403	8.91E-09	2.69E-08	2.13E-08	2.35E-12	5.69E-11	3.14E-12	6.23643E-11	1.444E-08	0.00849634	0.001402935	9.11778E-09	9.51896E-12	4.55097E-09	1.58374E-12
506	570990.6	4178559	0.55, 41785	10.52141	6.96087	4.44153	639.29991	205.65266	1371.63359	133.52138	75.6432	174.17097	2.54E-05	0.007837	0.000995	7.83E-09	2.37E-08	1.87E-08	2.07E-12	5E-11	2.76E-12	5.48036E-11	1.269E-08	0.0078367	0.000995269	8.01239E-09	8.36494E-12	3.99924E-09	1.39174E-12
507	571030.6	4178559	0.55, 41785	6.12086	4.69941	3.63304	562.31532	143.87555	907.33173	97.52112	53.65332	135.00156	2.08E-05	0.005184	0.000771	6.41E-09	1.93E-08	1.53E-08	1.69E-12	4.09E-11	2.26E-12	4.48238E-11	1.038E-08	0.00518399	0.000771433	6.55333E-09	6.84168E-12	3.27098E-09	1.1383E-12
508	571070.6	4178559	0.55, 41785	4.00501	3.46908	2.98955	291.75499	122.4909	364.39166	69.10596	41.80504	75.82917	1.71E-05	0.002082	0.000433	5.27E-09	1.59E-08	1.26E-08	1.39E-12	3.36E-11	1.86E-12	3.6883E-11	8.543E-09	0.00208203	0.00043333	5.39237E-09	5.62963E-12	2.6915E-09	9.36643E-13
509	571110.6	4178559	0.55, 41785	2.89394	2.70355	2.4438	288.47324	105.99812	437.78623	48.03981	36.46899	59.71453	1.4E-05	0.002501	0.000341	4.31E-09	1.3E-08	1.03E-08	1.14E-12	2.75E-11	1.52E-12	3.01494E-11	6.983E-09	0.00250132	0.000341232	4.4079E-09	4.60185E-12	2.20012E-09	7.65643E-13
510	571150.6	4178559	0.55, 41785	2.21115	2.17534	2.01472	240.56187	97.79178	377.92847	31.90722	30.3701	47.66793	1.15E-05	0.002159	0.000272	3.55E-09	1.07E-08	8.47E-09	9.38E-13	2.27E-11	1.25E-12	2.48556E-11	5.757E-09	0.00215933	0.000272383	3.63393E-09	3.79382E-12	1.81381E-09	6.31206E-13
511	571190.6	4178559	0.55, 41785	1.76303	1.79806	1.6955	177.14345	83.63267	264.27885	24.55859	26.34777	34.50528	9.69E-06	0.00151	0.000197	2.99E-09	9.03E-09	7.13E-09	7.9E-13	1.91E-11	1.05E-12	2.09172E-11	4.845E-09	0.00151	0.000197171	3.05814E-09	3.1927E-12	1.52641E-09	5.31192E-13
512	571230.6	4178559	0.55, 41785	1.44054	1.50665	1.43503	192.87207	80.98435	306.26039	29.09943	22.26218	51.0434	8.2E-06	0.00175	0.000292	2.53E-09	7.64E-09	6.04E-09	6.68E-13	1.61E-11	8.91E-13	1.77038E-11	4.1E-09	0.00174985	0.000291663	2.58832E-09	2.70221E-12	1.29192E-09	4.49586E-13
513	571270.6	4178559	0.55, 41785	1.19178	1.27042	1.20125	167.21575	71.42327	283.3883	22.32638	19.23301	35.42354	6.86E-06	0.001619	0.000202	2.12E-09	6.4E-09	5.05E-09	5.59E-13	1.35E-11	7.46E-13	1.48197E-11	3.432E-09	0.00161916	0.000202414	2.16666E-09	2.262E-12	1.08145E-09	3.76345E-13

514	571310.6	4178559	0.55, 41785	1.01245	1.08581	1.02025	169.23295	65.49002	155.67948	26.6418	16.91234	25.18935	5.83E-06	0.00089	0.000144	1.8E-09	5.43E-09	4.29E-09	4.75E-13	1.15E-11	6.34E-13	1.25867E-11	2.915E-09	0.00088953	0.000143952	1.8402E-09	1.92117E-12	9.18504E-10	3.19639E-13
515	571350.6	4178559	0.55, 41785	0.8838	0.94242	0.90608	194.09519	63.64749	285.0024	28.90026	14.99354	40.61241	5.18E-06	0.001628	0.000232	1.6E-09	4.82E-09	3.81E-09	4.22E-13	1.02E-11	5.63E-13	1.11781E-11	2.589E-09	0.00162837	0.000232069	1.63427E-09	1.70617E-12	8.15714E-10	2.83869E-13
516	571390.6	4178559	0.55, 41785	0.78025	0.82372	0.8159	158.10154	57.98385	206.74246	23.81897	12.89204	30.22211	4.66E-06	0.001181	0.000173	1.44E-09	4.34E-09	3.43E-09	3.8E-13	9.18E-12	5.07E-13	1.00655E-11	2.331E-09	0.00118125	0.0001727	1.4716E-09	1.53635E-12	7.34522E-10	2.55614E-13
517	571430.6	4178559	0.55, 41785	0.68512	0.72115	0.71821	137.68904	52.2569	180.06144	18.93914	11.62385	25.68604	4.1E-06	0.001029	0.000147	1.27E-09	3.82E-09	3.02E-09	3.34E-13	8.08E-12	4.46E-13	8.86034E-12	2.052E-09	0.00102881	0.000146777	1.2954E-09	1.3524E-12	6.46575E-10	2.25008E-13
518	571470.6	4178559	0.55, 41785	0.60049	0.63425	0.62389	143.56241	49.93475	187.32246	19.90478	10.29716	25.60594	3.57E-06	0.00107	0.000146	1.1E-09	3.32E-09	2.62E-09	2.91E-13	7.02E-12	3.87E-13	7.69677E-12	1.783E-09	0.00107029	0.000146321	1.12528E-09	1.1748E-12	5.61664E-10	1.95459E-13
519	571510.6	4178559	0.55, 41785	0.52736	0.56045	0.5447	131.02036	47.72087	167.66109	18.26486	8.99798	23.11602	3.11E-06	0.000958	0.000132	9.61E-10	2.9E-09	2.29E-09	2.54E-13	6.13E-12	3.38E-13	6.71984E-12	1.556E-09	0.00095796	0.000132093	9.82454E-10	1.02568E-12	4.90374E-10	1.7065E-13
520	571550.6	4178559	0.55, 41785	0.46874	0.49944	0.48529	99.50634	45.73793	109.0385	14.05158	8.03042	15.4257	2.77E-06	0.000623	8.82E-05	8.56E-10	2.58E-09	2.04E-09	2.26E-13	5.46E-12	3.01E-13	5.98692E-12	1.387E-09	0.00062303	8.81509E-05	8.75299E-10	9.13812E-13	4.3689E-10	1.52038E-13
521	571590.6	4178559	0.55, 41785	0.42104	0.44786	0.43792	63.39282	43.98321	60.02596	9.17705	7.35207	9.24249	2.5E-06	0.000343	5.28E-05	7.72E-10	2.33E-09	1.84E-09	2.04E-13	4.93E-12	2.72E-13	5.40251E-12	1.251E-09	0.00034301	5.28179E-05	7.89858E-10	8.24612E-13	3.94243E-10	1.37197E-13
522	570310.6	4178599	0.55, 41785	0.10507	0.08466	0.09914	83.25071	28.48032	95.05484	11.19876	3.62883	12.56574	5.67E-07	0.000543	7.18E-05	1.75E-10	5.28E-10	4.17E-10	4.62E-14	1.12E-12	6.16E-14	1.22302E-12	2.833E-10	0.00054311	7.18072E-05	1.78808E-10	1.86675E-13	8.92486E-11	3.10585E-14
523	570350.6	4178599	0.55, 41785	0.11716	0.09561	0.10985	88.57329	30.33455	103.53599	11.44069	3.79182	12.942	6.28E-07	0.000592	7.4E-05	1.94E-10	5.85E-10	4.62E-10	5.12E-14	1.24E-12	6.82E-14	1.35515E-12	3.139E-10	0.00059157	7.39572E-05	1.98125E-10	2.06842E-13	9.88905E-11	3.44139E-14
524	570390.6	4178599	0.55, 41785	0.13131	0.10865	0.12235	93.2639	32.45644	112.44406	11.65799	4.05706	14.05551	6.99E-07	0.000642	8.03E-05	2.16E-10	6.51E-10	5.15E-10	5.7E-14	1.38E-12	7.6E-14	1.50936E-12	3.496E-10	0.00064247	8.03191E-05	2.20671E-10	2.3038E-13	1.10144E-10	3.83301E-14
525	570430.6	4178599	0.55, 41785	0.15022	0.126	0.13878	103.53542	36.02365	122.12845	12.94193	4.50296	15.26606	7.93E-07	0.000698	8.72E-05	2.45E-10	7.39E-10	5.84E-10	6.46E-14	1.56E-12	8.62E-14	1.71205E-12	3.965E-10	0.0006978	8.72371E-05	2.50305E-10	2.61319E-13	1.24935E-10	4.34775E-14
526	570470.6	4178599	0.55, 41785	0.17421	0.14819	0.15942	115.63183	39.91557	131.63773	14.45398	5.34922	16.45472	9.11E-07	0.000752	9.4E-05	2.81E-10	8.49E-10	6.7E-10	7.42E-14	1.79E-12	9.9E-14	1.96669E-12	4.555E-10	0.00075214	9.40305E-05	2.87534E-10	3.00185E-13	1.43517E-10	4.9944E-14
527	570510.6	4178599	0.55, 41785	0.20799	0.17912	0.18803	128.15759	44.54205	154.67263	16.0197	6.36274	19.33408	1.07E-06	0.000884	0.00011	3.32E-10	1E-09	7.91E-10	8.76E-14	2.12E-12	1.17E-13	2.31965E-12	5.373E-10	0.00088375	0.000110483	3.39137E-10	3.54059E-13	1.69274E-10	5.89074E-14
528	570550.6	4178599	0.55, 41785	0.25382	0.22088	0.22625	141.74172	51.90419	182.47104	17.71771	7.41488	22.80888	1.29E-06	0.001043	0.00013	3.99E-10	1.2E-09	9.52E-10	1.05E-13	2.55E-12	1.41E-13	2.79117E-12	6.465E-10	0.00104257	0.000130338	4.08075E-10	4.2603E-13	2.03683E-10	7.08817E-14
529	570590.6	4178599	0.55, 41785	0.31442	0.27626	0.27638	161.8077	62.94071	207.9054	20.22596	8.27119	25.98817	1.58E-06	0.001188	0.000149	4.87E-10	1.47E-09	1.16E-09	1.29E-13	3.11E-12	1.72E-13	3.40963E-12	7.897E-10	0.0011879	0.000148505	4.98495E-10	5.20428E-13	2.48815E-10	8.65875E-14
530	570630.6	4178599	0.55, 41785	0.39904	0.35395	0.34775	187.04764	77.01967	233.41259	23.38095	12.20463	29.17657	1.99E-06	0.001334	0.000167	6.13E-10	1.85E-09	1.46E-09	1.62E-13	3.91E-12	2.16E-13	4.29013E-12	9.937E-10	0.00133365	0.000166726	6.27225E-10	6.54822E-13	3.13068E-10	1.08948E-13
531	570670.6	4178599	0.55, 41785	0.52025	0.46779	0.4567	203.91154	89.67976	314.96286	27.18561	17.16092	39.37036	2.61E-06	0.0018	0.000225	8.05E-10	2.43E-09	1.92E-09	2.13E-13	5.14E-12	2.84E-13	5.63423E-12	1.305E-09	0.00179958	0.00022497	8.23735E-10	8.59979E-13	4.11152E-10	1.43081E-13
532	570710.6	4178599	0.55, 41785	0.68748	0.63563	0.62617	226.5911	101.22552	383.25212	32.37016	22.387	47.90652	3.58E-06	0.00219	0.000274	1.1E-09	3.33E-09	2.63E-09	2.92E-13	7.04E-12	3.89E-13	7.72492E-12	1.789E-09	0.00218974	0.000273747	1.1294E-09	1.17909E-12	5.63719E-10	1.96174E-13
533	570750.6	4178599	0.55, 41785	0.91976	0.89022	0.88415	243.41497	114.05895	499.75889	34.77357	31.00996	69.4997	5.05E-06	0.002855	0.000397	1.56E-09	4.71E-09	3.72E-09	4.12E-13	9.95E-12	5.49E-13	1.09075E-11	2.526E-09	0.00285538	0.000397115	1.5947E-09	1.66487E-12	7.95966E-10	2.76996E-13
534	570790.6	4178599	0.55, 41785	1.20615	1.22781	1.16033	261.32328	130.44037	537.17009	39.31654	39.06207	73.65107	6.63E-06	0.003069	0.000421	2.05E-09	6.18E-09	4.88E-09	5.4E-13	1.31E-11	7.21E-13	1.43149E-11	3.316E-09	0.00306914	0.000420839	2.09286E-09	2.18495E-12	1.04461E-09	3.63526E-13
535	570830.6	4178599	0.55, 41785	1.86035	2.06593	1.53512	307.79075	158.37727	606.96091	57.33573	51.17396	80.52216	8.77E-06	0.003468	0.00046	2.71E-09	8.17E-09	6.46E-09	7.15E-13	1.73E-11	9.53E-13	1.894E-11	4.387E-09	0.00346791	0.000460123	2.76907E-09	2.89091E-12	1.38213E-09	4.80982E-13
536	570870.6	4178599	0.55, 41785	2.81953	3.8452	1.88016	429.66876	238.19724	679.18896	77.96533	87.47681	90.64703	1.07E-05	0.003881	0.000518	3.32E-09	1E-08	7.91E-09	8.76E-13	2.12E-11	1.17E-12	2.32013E-11	5.374E-09	0.00388069	0.000518	3.39207E-09	3.54132E-12	1.69309E-09	5.89196E-13
537	570910.6	4178599	0.55, 41785	4.21414	6.38342	2.32175	555.65098	273.48442	945.27353	124.98504	103.73159	124.24769	1.33E-05	0.005401	0.00071	4.1E-09	1.24E-08	9.77E-09	1.08E-12	2.61E-11	1.44E-12	2.86557E-11	6.637E-09	0.00540094	0.000710038	4.18953E-09	4.37386E-12	2.09113E-09	7.27712E-13
538	570950.6	4178599	0.55, 41785	4.59898	4.54538	2.28746	563.80012	195.03038	769.06119	96.52509	58.5202	125.1466	1.31E-05	0.004394	0.000715	4.03E-09	1.22E-08	9.62E-09	1.07E-12	2.57E-11	1.42E-12	2.82274E-11	6.538E-09	0.0043941	0.000715129	4.1269E-09	4.30848E-12	2.05987E-09	7.16833E-13
539	570990.6	4178599	0.55, 41785	3.82228	3.4158	2.10211	387.45867	157.86758	722.29473	74.93195	45.58999	97.36969	1.2E-05	0.004127	0.000556	3.71E-09	1.12E-08	8.84E-09	9.79E-13	2.37E-11	1.31E-12	2.59377E-11	6.008E-09	0.00412684	0.000556402	3.79214E-09	3.959E-12	1.89278E-09	6.58687E-13
540	571030.6	4178599	0.55, 41785	3.02247	2.69987	1.99871	442.17309	124.03841	776.22539	67.82636	38.72372	97.59907	1.14E-05	0.004435	0.000558	3.52E-09	1.06E-08	8.41E-09	9.31E-13	2.25E-11	1.24E-12	2.466E-11	5.712E-09	0.00443491	0.000557702	3.60534E-09	3.76397E-12	1.79954E-09	6.26239E-13
541	571070.6	4178599	0.55, 41785	2.43201	2.20804	1.81695	323.32852	105.96293	523.5768	49.87717	32.54487	75.45431	1.04E-05	0.002991	0.000431	3.2E-09	9.67E-09	7.64E-09	8.46E-13	2.04E-11	1.13E-12	2.24166E-11	5.192E-09	0.00299146	0.000431158	3.27735E-09	3.42155E-12	1.63583E-09	5.69268E-13
542	571110.6	4178599	0.55, 41785	1.9361	1.83698	1.53551	285.52756	89.63178	395.42144	42.26506	28.59229	57.87538	8.78E-06	0.002259	0.000331	2.71E-09	8.18E-09	6.46E-09	7.15E-13	1.73E-11	9.54E-13	1.89442E-11	4.388E-09	0.00225926	0.000330715	2.76968E-09	2.89154E-12	1.38243E-09	4.81087E-13
543	571150.6	4178599	0.55, 41785	1.58315	1.55537	1.34493	182.41041	88.91432	301.39134	29.75311	25.20352	37.67392	7.69E-06	0.001722	0.000215	2.37E-09	7.16E-09	5.66E-09	6.26E-13	1.51E-11	8.35E-13	1.65927E-11	3.843E-09	0.00172204	0.000215282	2.42589E-09	2.53263E-12	1.21084E-09	4.21372E-13
544	571190.6	4178599	0.55, 41785	1.33739	1.33597	1.20735	189.26194	77.8274	237.13522	24.55337	21.99349	31.52399	6.9E-06	0.001355	0.00018	2.13E-09	6.43E-09	5.08E-09	5.62E-13	1.36E-11	7.5E-13	1.48952E-11	3.45E-09	0.00135492	0.000180139	2.1777E-09	2.27352E-12	1.08696E-09	3.78262E-13
545	571230.6	4178599	0.55, 41785	1.14183	1.1549	1.07779	177.02423	70.01737	247.02933	25.42204	18.83046	36.19826	6.16E-06	0.001411	0.000207	1.9E-09	5.74E-09	4.53E-09	5.02E-13	1.21E-11	6.69E-13	1.32966E-11	3.08E-09	0.00141144	0.000206845	1.94399E-09	2.02953E-12	9.70309E-10	3.37668E-13
546	571270.6	4178599	0.55, 41785	0.97959	1.00523	0.95378	160.46118	68.49541	236.51718	22.92303	16.81937	33.9008	5.45E-06	0.001351	0.000194	1.68E-09	5.08E-09	4.01E-09	4.44E-13	1.07E-11	5.92E-13	1.17667E-11	2.725E-09	0.00135137	0.000193715	1.72031E-09	1.796E-12	8.58661E-10	2.98814E-13
547	571310.6	4178599	0.55, 41785	0.84011	0.87488	0.82502	131.92842	62.86665	193.55215	16.49105	15.16442	24.19402	4.71E-06	0.001106	0.000138	1.45E-09	4.39E-09	3.47E-09	3.84E-13	9.28E-12	5.12E-13	1.01782E-11	2.357E-09	0.0011059	0.000138249	1.48807E-09	1.55355E-12	7.42743E-10	2.58475E-13
548	571350.6	4178599	0.55, 41785	0.73896	0.77159	0.73066	149.85158	58.69155	153.82017	22.55392	13.49962	22.49489	4.18E-06	0.000879	0.000129	1.29E-09	3.89E-09	3.07E-09	3.4E-13	8.22E-12	4.54E-13	9.01406E-12	2.088E-09	0.0008789	0.000128551	1.31787E-09	1.37586E-12	6.57793E-10	2.28912E-13
549	571390.6	4178599	0.55, 41785	0.661	0.68563	0.66671	168.50279	56.32456	235.09945	24.41155	12.10471	32.40344	3.81E-06	0.001343	0.000185	1.18E-09	3.55E-09	2.8E-09	3.11E-13	7.5E-12	4.14E-13	8.22506E-12	1.905E-09	0.00134326	0.000185163	1.20252E-09	1.25543E-12	6.00216E-10	2.08875E-13
550	571430.6	4178599	0.55, 41785	0.59511	0.61204	0.61151	136.17098	51.76249	171.68803	20.03651	10.61326	24.28892	3.49E-06	0.000981	0.000139	1.08E-09	3.26E-09	2.57E-09	2.85E-13	6.88E-12	3.8E-13	7.54401E-12	1.747E-09	0.00098097	0.000138797	1.10295E-09	1.15148E-12	5.50517E-10	1.9158E-13
551	571470.6	4178599	0.55, 41785	0.53051	0.54561	0.54811	117.9441	47.17442	154.11151	16.84916	9.40387	22.01593	3.13E-06	0.000881	0.000126	9.67E-10	2.92E-09	2.31E-09	2.55E-13	6.17E-12	3.4E-13	6.76186E-12	1.566E-09	0.00088054	0.000125806	9.88597E-10	1.03209E-12	4.9344E-10	1.71717E-13
552	571510.6	4178599	0.55, 41785	0.47218	0.48877	0.48576	120.07824	45.51387	145.12306	16.38718	8.49605	19.65912	2.78E-06	0.000829	0.000112	8.57E-10	2.59E-09	2.04E-09	2.26E-13	5.46E-12	3.02E-13	5.99268E-12	1.388E-09	0.00082919	0.000112341	8.76142E-10	9.14692E-13	4.3731E-10	1.52184E-13
553	571550.6	4178599	0.55, 41785	0.42043	0.43954	0.43052	119.99429	43.92883	151.34582	16.43506	7.56489	20.5622	2.46E-06	0.000865	0.000118	7.59E-10	2.29E-09	1.81E-09	2.01E-13	4.84E-12	2.67E-13	5.31122E-12	1.23E-09	0.00086474	0.0001175	7.76511E-10	8.10677E-13	3.87581E-10	1.34878E-13
554	571590.6	4178599	0.55, 41785	0.37632	0.39688	0.38556	100.33698	42.40478	116.86516	13.86046	7.00095	16.11187	2.2E-06	0.000668	9.21E-05	6.8E-10	2.05E-09	1.62E-09	1.8E-13	4.34E-12	2.39E-13	4.75657E-12	1.102E-09	0.00066774	9.20708E-05	6.9542E-10	7.26018E-13	3.47106E-10	1.20793E-13
555	570310.6	4178639	0.55, 41786	0.10356	0.08559	0.09711	83.92303	29.66661	96.15389	10.49038	3.70833	12.01924	5.55E-07	0.000549	6.87E-05	1.71E-10	5.17E-10	4.08E-10	4.52E-14	1.09E-12	6.03E-14	1.19798E-12	2.775E-10	0.00054939	6.86838E-05	1.75148E-10	1.82854E-13	8.74218E-11	3.04228E-14
556	570350.6	4178639	0.55, 41786	0.1161	0.09716	0.10841	92.63397	32.60646	103.61771	11.57925	4.08084	12.95221	6.2E-07	0.000592	7.4E-05	1.91E-10	5.77E-10	4.56E-10	5.05E-14	1.22E-12	6.73E-14	1.33739E-12	3.098E-10	0.00059204	7.40157E-05	1.95529E-10	2.04132E-13	9.75948E-11	3.3963E-14
557	570390.6	4178639	0.55, 41786	0.13068	0.11086	0.1215	100.54346	34.97331	116.66288	12.56793	4.70976	14.58286	6.94E-07	0.000667	8.33E-05	2.14E-10	6.47E-10	5.11E-10	5.66E-14	1.37E-12	7.55E-14	1.49888E-12	3.472E-10	0.00066657	8.33334E-05	2.19139E-10	2.28781E-13	1.09379E-10	3.8064E-14
558	570430.6	4178639	0.55, 41786	0.14929	0.12834	0.13819	107.49924	37.52244	130.89362	13.4374	5.36035	16.3617	7.9E-07	0.000748	9.35E-05	2.44E-10	7.36E-10	5.81E-10	6.44E-14	1.55E-12	8.58E-14	1.70478E-12	3.949E-10	0.00074788	9.34974E-05	2.49243E-10	2.60209E-13	1.24405E-10	4.32929E-14
559	570470.6	4178639	0.55, 41786	0.17443	0.15183	0.16061	116.62505	42.4162	145.19757	14.57813	6.05946	18.1497	9.18E-07	0.00083	0.000104	2.83E-10	8.55E-10	6.75E-10	7.48E-14	1.81E-12	9.97E-14	1.98138E-12	4.589E-10	0.00082961	0.000103714	2.89681E-10	3.02427E-13	1.44589E-10	5.0317E-14
560	570510.6	4178639	0.55, 41786	0.20768	0.18277	0.19013	127.00459	48.18252	156.06863	15.87557	6.71257	19.50858	1.09E-06	0.000892	0.000111	3.35E-10	1.01E-09	8E-10	8.86E-14	2.14E-12	1.18E-13	2.34556E-12	5.433E-10	0.00089173	0.00011148	3.42926E-10	3.58014E-13	1.71165E-10	5.95655E-14
561	570550.6	4178639	0.55, 41786	0.2504	0.22269	0.22841	148.76746	59.99627	172.72318	18.59593	7.58374	21.5904	1.31E-06	0.000987	0.000123	4.03E-10	1.22E-09	9.61E-10	1.06E-13	2.57E-12	1.42E-13	2.81782E-12	6.526E-10	0.0009869	0.000123378	4.1197E-10	4.30097E-13	2.05628E-10	7.15584E-14
562	570590.6	4178639	0.55, 41786	0.30521	0.27478	0.27907	162.38276	69.4472	222.88998	20.29784	10.74133	27.86125	1.59E-06	0.001274	0.000159	4.92E-10	1.49E-09	1.17E-09	1.3E-13	3.14E-12	1.73E-13	3.4428E-12	7.974E-10	0.00127352	0.000159207	5.03344E-10	5.25491E-13	2.51235E-10	8.74298E-14
563	570630.6	4178639	0.55, 41786	0.37839	0.34592	0.35098	177.15033	78.68271	266.26636	23.7109	14.16715	33.28329	2.01E-06	0.001521	0.00019	6.19E-10	1.87E-09	1.48E-09	1.63E-13	3.95E-12	2.18E-13	4.32993E-12	1.003E-09	0.00152135	0.000190189	6.33044E-10	6.60898E-13	3.15973E-10	1.09958E-13
564	570670.6	4178639	0.55, 41786	0.47152	0.44129	0.44999	194.04584	86.02037	313.51443	27.72083	17.24466	39.1893	2.57E-06	0.001791	0.000224	7.94E-10	2.4E-09	1.89E-09	2.1E-13	5.06E-12	2.79E-13	5.55137E-12	1.286E-09	0.0017913	0.000223937	8.11622E-10	8.47333E-13	4.05106E-10	1.40977E-13
565	570710.6	4178639	0.55, 41786	0.59058	0.57043	0.57865	207.44684	93.90742	372.29223	29.63526	21.88085	53.1846	3.31E-06	0.002127	0.000304	1.02E-09	3.08E-09	2.43E-09	2.69E-13	6.51E-12	3.59E-13	7.13861E-12	1.653E-09	0.00212712	0.000303897	1.04368E-09	1.0896E-12	5.20934E-10	1.81285E-13
566	570750.6	4178639	0.55, 41786	0.7421	0.74424	0.7234	219.27007	107.04803	379.32522	31.3243	27.05481	52.15596	4.13E-06	0.002167	0.000298	1.28E-09	3.85E-09	3.04E-09	3.37E-13	8.14E-12	4.49E-13	8.92444E-12	2.067E-09	0.00216732	0.000298022	1.30477E-09	1.36218E-12	6.51253E-10	2.26636E-13
567	570790.6	4178639	0.55, 41786	0.94425	0.97087	0.85006	237.37937	117.94026	412.19598	33.01145	30.70173	55.76703	4.86E-06	0.002355	0.000319	1.5E-09	4.53E-09	3.58E-09	3.96E-13	9.56E-12	5.28E-13	1.04873E-11	2.429E-09	0.00235513	0.000318656	1.53327E-09	1.60073E-12	7.65304E-10	2.66326E-13
568	570830.6	4178639	0.55, 41786	1.23329	1.33292	0.96284	295.25944	130.22679	473.13116	42.69044	39.99654	61.26658	5.5E-06	0.002703	0.00035	1.7E-09	5.13E-09	4.05E-09	4.48E-13	1.08E-11	5.98E-13	1.18795E-11	2.751E-09	0.00270329	0.00035009	1.7368E-09	1.81322E-12	8.66895E-10	3.01679E-13
569	570870.6	4178639	0.55, 41786	1.50989	1.73214	1.20169	317.24906	188.19869	615.93486	58.25942	53.82297	76.99186	6.87E-06	0.003519	0.00044	2.12E-09	6.4E-09	5.05E-09	5.6E-13	1.35E-11	7.46E-13	1.48266E-11	3.434E-09	0.00351923	0.000439955	2.16768E-09	2.26306E-12	1.08196E-09	3.76521E-13
570	570910.6	4178639	0.55, 41786	1.78259	1.99297	1.30656	332.58479	179.86407	638.76492	63.94152	52.98497	79.84561	7.47E-06	0.00365	0.000456	2.3E-09	6.96E-09	5.5E-09	6.09E-13	1.47E-11	8.11E-13	1.61209E-11	3.734E-09	0.00364965	0.000456268	2.35691E-09	2.46061E-12	1.17641E-09	4.0939E-13
571	570950.6	4178639	0.55, 41786	1.86524	1.94862	1.2876	326.77204	147.92341	425.10208	57.64661	41.4452	82.66786	7.36E-06	0.002429	0.000472	2.27E-09	6.86E-09	5.42E-09	6E-13	1.45E-11	8E-13	1.58869E-11	3.68E-09	0.00242892	0.000472382	2.3227E-09	2.4249E-12	1.15934E-09	4.03449E-13
572	570990.6	4178639	0.55, 41786	1.76592	1.78245	1.25006	311.73236	122.31574	573.48464	43.80696	33.57582	91.70195	7.14E-06	0.003277	0.000524	2.2E-09	6.66E-09	5.26E-09	5.82E-13	1.41E-11	7.76E-13	1.54234E-11	3.572E-09	0.00327661	0.000523973	2.25493E-09	2.35415E-12	1.12551E-09	3.91677E-13
573	571030.6	4178639	0.55, 41786	1.5977	1.58915	1.17717	263.38378	106.70114	334.97263	40.88022	26.80487	57.79917	6.73E-06	0.001914	0.00033	2.08E-09	6.27E-09	4.95E-09	5.48E-13	1.32E-11	7.31E-13	1.45238E-11	3.364E-09	0.00191393	0.000330278	2.12341E-09	2.21684E-12	1.05986E-09	3.68831E-13
574	571070.6	4178639	0.55, 41786	1.42629	1.41473	1.18099	323.91584	92.06505	516.79706	44.84431	24.93328	64.76299	6.75E-06	0.002953	0.00037	2.08E-09	6.29E-09	4.97E-09	5.5E-13	1.33E-11	7.33E-13	1.45703E-11	3.375E-09	0.00295271	0.000370069	2.13021E-09	2.22394E-12	1.06326E-09	3.70013E-13
575	571110.6	4178639	0.55, 41786	1.27265	1.25146	1.07066	231.49813	85.11921	353.08688	34.4516	22.95032	48.16161	6.12E-06	0.002017	0.000275	1.89E-09	5.7E-09	4.5E-09	4.99E-13	1.2E-11	6.65E-13	1.3209E-11	3.059E-09	0.00201738	0.000275207	1.93119E-09	2.01616E-12	9.63917E-10	3.35443E-13
576	571150.6	4178639	0.55, 41786	1.10067	1.1079	0.9372	235.36335	78.49538	345.02109	33.92291	20.75102	48.66179	5.36E-06	0.001971	0.000278	1.65E-09	4.99E-09	3.94E-09	4.37E-13	1.05E-11	5.82E-13	1.15625E-11	2.678E-09	0.0019713	0.000278064	1.69046E-09	1.76485E-12	8.43765E-10	2.9363E-13
577	571190.6	4178639	0.55, 41786	0.96404	0.98605	0.85109	150.10185	73.9658	197.92558	22.00887	18.66835	28.93746	4.86E-06	0.001131	0.000165	1.5E-09	4.53E-09	3.58E-09	3.96E-13	9.58E-12	5.29E-13	1.05001E-11	2.432E-09	0.0011309	0.000165358	1.53513E-09	1.60268E-12	7.66234E-10	2.6665E-13
578	571230.6	4178639	0.55, 41786	0.85847	0.87787	0.78438	130.71922	65.23747	181.52397	20.98447	16.26127	28.21366	4.48E-06	0.001037	0.000161	1.38E-09	4.18E-09	3.3E-09	3.65E-13	8.82E-12	4.87E-13	9.67697E-12	2.241E-09	0.00103718	0.000161221	1.41479E-09	1.47704E-12	7.06168E-10	2.45746E-13
579	571270.6	4178639	0.55, 41786	0.76521	0.78388	0.72231	147.71702	61.52416	210.17535	22.46264	14.29709	35.02922	4.13E-06	0.001201	0.0002	1.27E-09	3.85E-09	3.04E-09	3.36E-13	8.13E-12	4.49E-13	8.91113E-12	2.064E-09	0.00120087	0.000200161	1.30282E-09	1.36015E-12	6.50281E-10	2.26298E-13
580	571310.6	4178639	0.55, 41786	0.67814	0.70066	0.65218	136.41117	59.8434	199.34802	17.34958	13.40052	24.9185	3.73E-06	0.001139	0.000142	1.15E-09	3.47E-09	2.74E-09	3.04E-13	7.34E-12	4.05E-13	8.04591E-12	1.864E-09	0.00113901	0.00014239	1.17633E-09	1.22809E-12	5.87143E-10	2.04326E-13
581	571350.6	4178639	0.55, 41786	0.60279	0.6273	0.58324	124.67819	56.4143	162.56927	15.58477	12.33978	20.32116	3.33E-06	0.000929	0.000116	1.03E-09	3.11E-09	2.45E-09	2.72E-13	6.56E-12	3.62E-13	7.1954E-12	1.667E-09	0.00092888	0.000116122	1.05198E-09	1.09827E-12	5.25077E-10	1.82727E-13
582	571390.6	4178639	0.55, 41786	0.54567	0.56561	0.53406	134.64293	53.30447	146.45838	19.4501	11.04071	20.47738	3.05E-06	0.000837	0.000117	9.42E-10	2.84E-09	2.25E-09	2.49E-13	6.01E-12	3.32E-13	6.58864E-12	1.526E-09	0.00083683	0.0001702	9.63272E-10	1.00566E-12	4.808E-10	1.67318E-13
583	571430.6	4178639	0.55, 41786	0.50035	0.51255	0.49968	147.79016	50.85435	197.85336	20.77571	9.97795	26.64502	2.86E-06	0.00113	0.000152	8.81E-10	2.66E-09	2.1E-09	2.33E-13	5.62E-12	3.1E-13	6.16444E-12	1.428E-09	0.00113046	0.000152259	9.01254E-10	9.40909E-13	4.49844E-10	1.56546E-13
584	571470.6	4178639	0.55, 41786	0.45884	0.46513	0.46599	118.76181	47.03177	145.5886	16.94782	8.9119	19.9832	2.66E-06	0.000832	0.000114	8.22E-10	2.48E-09	1.96E-09	2.17E-13	5.24E-12	2.89E-13	5.74878E-12	1.331E-09	0.00083185	0.000114193	8.40482E-10	8.77463E-13	4.19511E-10	1.4599E-13
585	571510.6	4178639	0.55, 41786	0.41516	0.4204	0.42431	105.04191	43.02213	132.76114	15.00599	7.61313	18.96588	2.42E-06	0.000759	0.000108	7.48E-10	2.26E-09	1.78E-09	1.98E-13	4.77E-12	2.63E-13	5.23457E-12	1.212E-09	0.00075856	0.000108378	7.65304E-10	7.98978E-13	3.81988E-10	1.32932E-13
586	571550.6	4178639	0.55, 41786	0.37489	0.38245	0.3824	101.59712	41.64808	125.74417	13.25702	7.0054	15.71802	2.19E-06	0.000718	8.98E-05	6.74E-10	2.04E-09	1.61E-09	1.78E-13	4.3E-12	2.37E-13	4.71755E-12	1.093E-09	0.00071847	8.98197E-05	6.89715E-10	7.20063E-13	3.44259E-10	1.19802E-13
587	571590.6	4178639	0.55, 41786	0.33863	0.34937	0.34405	106.83121	40.48294	130.44071	14.45913	6.53587	17.55635	1.97E-06	0.000745	0.0001	6.07E-10	1.83E-09	1.45E-09	1.6E-13	3.87E-12	2.14E-13	4.24446E-12	9.831E-10	0.0007453	0.000100324	6.20548E-10	6.47852E-13	3.09735E-10	1.07788E-13
588	570310.6	4178679	0.55, 41786	0.10291	0.0869	0.09701	88.39628	30.98258	103.31105	11.04953	4.21243	12.91388	5.54E-07	0.00059	7.38E-05	1.71E-10	5.17E-10	4.08E-10	4.52E-14	1.09E-12	6.02E-14	1.19675E-12	2.772E-10	0.00059029	7.37959E-05	1.74968E-10	1.82666E-13	8.73321E-11	3.03916E-14
589	570350.6	4178679	0.55, 41786	0.11574	0.09888	0.10892	93.23081	33.32166	112.3331	11.65385	4.76024	14.04164	6.22E-07	0.000642	8.02E-05	1.92E-10	5.8E-10	4.58E-10	5.07E-14	1.23E-12	6.76E-14	1.34369E-12	3.112E-10	0.00064183	8.02399E-05	1.96449E-10	2.05093E-13	9.80542E-11	3.41229E-14
590	570390.6	4178679	0.55, 41786	0.13137	0.11361	0.12342	99.39798	36.831	119.21549	12.42475	5.26157	14.90194	7.05E-07	0.000681	8.52E-05	2.18E-10	6.57E-10	5.19E-10	5.75E-14	1.39E-12	7.66E-14	1.52257E-12	3.526E-10	0.00068116	8.51561E-05	2.22603E-10	2.32397E-13	1.11108E-10	3.86656E-14
591	570430.6	4178679	0.55, 41786	0.15074	0.13191	0.14135	105.99103	39.73692	126.723	13.24888	5.6767	15.84037	8.08E-07	0.000724	9.05E-05	2.49E-10	7.53E-10	5.94E-10	6.58E-14	1.59E-12	8.78E-14	1.74377E-12	4.039E-10	0.00072406	9.05187E-05	2.54942E-10	2.6616E-13	1.2725E-10	4.42829E-14
592	570470.6	4178679	0.55, 41786	0.17494	0.15487	0.16378	121.69462	47.75873	135.7735	15.21183	5.96984	16.97169	9.36E-07	0.000776	9.7E-05	2.89E-10	8.72E-10	6.89E-10	7.63E-14	1.84E-12	1.02E-13	2.02048E-12	4.68E-10	0.00077578	9.69852E-05	2.95398E-10	3.08396E-13	1.47443E-10	5.13101E-14
593	570510.6	4178679	0.55, 41786	0.2057	0.18414	0.19253	135.37794	56.46386	170.3708	16.92224	7.12807	21.29635	1.1E-06	0.000973	0.000122	3.4E-10	1.03E-09	8.1E-10	8.97E-14	2.17E-12	1.2E-13	2.37516E-12	5.501E-10	0.00097345	0.000121695	3.47254E-10	3.62533E-13	1.73325E-10	6.03172E-14
594	570550.6	4178679	0.55, 41786	0.2434	0.22078	0.22908	142.10791	62.60325	200.29273	17.76349	9.55219	25.03659	1.31E-06	0.001144	0.000143	4.04E-10	1.22E-09	9.63E-10	1.07E-13	2.58E-12	1.42E-13	2.82607E-12	6.546E-10	0.00114441	0.000143065	4.13177E-10	4.31357E-13	2.0623E-10	7.1768E-14
595	570590.6	4178679	0.55, 41786	0.29132	0.2684	0.27784	157.44437	70.02377	210.9671	21.20731	12.01595	26.37089	1.59E-06	0.001205	0.000151	4.9E-10	1.48E-09	1.17E-09	1.29E-13	3.13E-12	1.73E-13	3.42761E-12	7.939E-10	0.0012054	0.000150693	5.01123E-10	5.23172E-13	2.50126E-10	8.70439E-14
596	570630.6	4178679	0.55, 41786	0.34871	0.32823	0.33909	170.78411	74.6949	263.98396	24.39773	14.09383	33.40233	1.94E-06	0.001508	0.000191	5.98E-10	1.81E-09	1.43E-09	1.58E-13	3.81E-12	2.11E-13	4.18322E-12	9.689E-10	0.0015083	0.00019087	6.11595E-10	6.38505E-13	3.05267E-10	1.06233E-13
597	570670.6	4178679	0.55, 41786	0.41782	0.40379	0.41108	181.29369	80.27499	295.25985	25.8991	15.99045	42.12286	2.35E-06	0.001687	0.000241	7.25E-10	2.19E-09	1.73E-09	1.91E-13	4.62E-12	2.55E-13	5.07135E-12	1.175E-09	0.001687	0.000240694	7.41441E-10	7.74065E-13	3.70077E-10	1.28787E-13
598	570710.6	4178679	0.55, 41786	0.49876	0.49687	0.48618	185.88712	90.92914	287.65142	26.5553	19.21501	39.31628	2.78E-06	0.001644	0.000225	8.57E-10	2.59E-09	2.04E-09	2.26E-13	5.47E-12	3.02E-13	5.9979E-12	1.389E-09	0.00164355	0.00022466	8.76904E-10	9.15488E-13	4.37691E-10	1.52316E-13
599	570750.6	4178679	0.55, 41786	0.59336	0.60818	0.55751	195.07014	97.11431	330.72411	27.40212	20.89244	45.57898	3.19E-06	0.00189	0.00026	9.83E-10	2.97E-09	2.34E-09	2.6E-13	6.27E-12	3.46E-13	6.878E-12	1.593E-09	0.00188963	0.000260441	1.00558E-09	1.04982E-12	5.01916E-10	1.74667E-13
600	570790.6	4178679	0.55, 41786	0.71288	0.74367	0.61675	232.56486	100.08812	327.08033	29.70634	25.09865	40.88504	3.52E-06	0.001869	0.000234	1.09E-09	3.28E-09	2.59E-09	2.87E-13	6.94E-12	3.83E-13	7.60908E-12	1.762E-09	0.00186883	0.000233628	1.11246E-09	1.16141E-12	5.55265E-10	1.93232E-13
601	570830.6	4178679	0.55, 41786	0.82835	0.8948	0.66469	250.25968	113.32691	367.70207	36.36599	33.16876	46.21837	3.8E-06	0.002101	0.000264	1.17E-09	3.54E-09	2.8E-09	3.1E-13	7.48E-12	4.13E-13	8.20084E-12	1.899E-09	0.00210093	0.000264108	1.19898E-09	1.25173E-12	5.98449E-10	2.0826E-13
602	570870.6	4178679	0.55, 41786	0.92801	1.04065	0.83445	269.45277	158.88347	492.55659	39.41339	35.15016	62.53118	4.77E-06	0.002814	0.000357	1.47E-09	4.44E-09	3.51E-09	3.89E-13	9.39E-12	5.18E-13	1.0295E-11	2.384E-09	0.0028143	0.00035731	1.50515E-09	1.57138E-12	7.51269E-10	2.61442E-13
603	570910.6	4178679	0.55, 41786	1.03394	1.13081	0.83809	259.70616	144.94226	471.11442	42.20689	35.5523	58.8893	4.79E-06	0.002692	0.000337	1.48E-09	4.46E-09	3.53E-09	3.9E-13	9.43E-12	5.21E-13	1.03402E-11	2.395E-09	0.00269178	0.000336508	1.51176E-09	1.57828E-12	7.54568E-10	2.6259E-13
604	570950.6	4178679	0.55, 41786	1.05684	1.13643	0.82319	242.80014	123.49716	418.67106	39.92153	30.15323	58.18912	4.7E-06	0.002392	0.000333	1.45E-09	4.38E-09	3.46E-09	3.83E-13	9.26E-12	5.11E-13	1.01565E-11	2.352E-09	0.00239213	0.000332504	1.4849E-09	1.55023E-12	7.4116E-10	2.57924E-13
605	570990.6	4178679	0.55, 41786	1.01802	1.09421	0.82722	255.86386	105.93706	407.98363	37.15781	26.85338	67.99727	4.73E-06	0.002331	0.000389	1.46E-09	4.4E-09	3.48E-09	3.85E-13	9.31E-12	5.14E-13	1.0206E-11	2.364E-09	0.00233105	0.000388535	1.49214E-09	1.5578E-12	7.44777E-10	2.59182E-13
606	571030.6	4178679	0.55, 41786	0.98373	1.03259	0.8073	224.24787	96.85684	406.17161	32.03518	21.71644	50.77145	4.61E-06	0.002321	0.00029	1.42E-09	4.3E-09	3.4E-09	3.76E-13	9.08E-12	5.01E-13	9.96017E-12	2.307E-09	0.00232068	0.000290114	1.4562E-09	1.52027E-12	7.26834E-10	2.52938E-13
607	571070.6	4178679	0.55, 41786	0.92088	0.95493	0.77727	234.21131	81.25508	306.97474	29.84103	18.74017	38.37184	4.44E-06	0.001754	0.000219	1.37E-09	4.14E-09	3.27E-09	3.62E-13	8.74E-12	4.83E-13	9.58954E-12	2.221E-09	0.00175394	0.00021927	1.40201E-09	1.4637E-12	6.99788E-10	2.43526E-13
608	571110.6	4178679	0.55, 41786	0.85296	0.87816	0.75636	249.82687	76.90023	376.11255	32.83771	18.41049	47.06858	4.32E-06	0.002149	0.000269	1.33E-09	4.03E-09	3.18E-09	3.52E-13	8.51E-12	4.7E-13	9.33139E-12	2.161E-09	0.00214892	0.000268896	1.36427E-09	1.4243E-12	6.8095E-10	2.3697E-13
609	571150.6	4178679	0.55, 41786	0.78449	0.80428	0.7091	184.12399	71.8753	265.86204	26.94504	17.68151	37.98029	4.05E-06	0.001519	0.000217	1.25E-09	3.78E-09	2.98E-09	3.3E-13	7.98E-12	4.4E-13	8.74827E-12	2.026E-09	0.00151903	0.000217028	1.27901E-09	1.33529E-12	6.38397E-10	2.22162E-13
610	571190.6	4178679	0.55, 41786	0.70872	0.73542	0.64227	192.12547	69.23049	267.93218	27.25383	16.04767	37.1098	3.67E-06	0.001531	0.000212	1.13E-09	3.42E-09	2.7E-09	2.99E-13	7.23E-12	3.99E-13	7.9238E-12	1.835E-09	0.00153086	0.000212056	1.15847E-09	1.20945E-12	5.78232E-10	2.01225E-13
611	571230.6	4178679	0.55, 41786	0.64141	0.6715	0.58509	152.95792	62.82263	210.7281	21.78847	14.44714	29.62503	3.34E-06	0.001204	0.000169	1.03E-09	3.12E-09	2.46E-09	2.73E-13	6.58E-12	3.63E-13	7.21836E-12	1.672E-09	0.00120403	0.000169286	1.05534E-09	1.10177E-12	5.26753E-10	1.8331E-13
612	571270.6	4178679	0.55, 41786	0.5854	0.61191	0.54631	124.65244	57.66905	171.62004	20.54509	12.75642	28.60334	3.12E-06	0.000981	0.000163	9.63E-10	2.91E-09	2.3E-09	2.54E-13	6.15E-12	3.39E-13	6.73988E-12	1.561E-09	0.00098059	0.000163447	9.85383E-10	1.02874E-12	4.91836E-10	1.71159E-13
613	571310.6	4178679	0.55, 41786	0.53447	0.5582	0.50849	125.80787	55.1913	171.33448	17.97255	11.70277	24.47635	2.91E-06	0.000979	0.00014	8.97E-10	2.71E-09	2.14E-09	2.37E-13	5.72E-12	3.16E-13	6.27325E-12	1.453E-09	0.00097895	0.000139865	9.17161E-10	9.57516E-13	4.57785E-10	1.59309E-13
614	571350.6	4178679	0.55, 41786	0.48504	0.50906	0.46427	111.39997	53.56601	157.83086	13.925	11.19981	19.72886	2.65E-06	0.000902	0.000113	8.19E-10	2.47E-09	1.95E-09	2.16E-13	5.22E-12	2.88E-13	5.7277E-12	1.327E-09	0.0009018	0.000112735	8.37402E-10	8.74247E-13	4.17974E-10	1.45455E-13
615	571390.6	4178679	0.55, 41786	0.44312	0.4655	0.42576	107.51836	51.27371	117.14548	13.43979	10.40254	14.64318	2.43E-06	0.000669	8.37E-05	7.51E-10	2.27E-09	1.79E-09	1.98E-13	4.79E-12	2.64E-13	5.2526E-12	1.217E-09	0.00066936	8.36793E-05	7.67941E-10	8.0173E-13	3.83304E-10	1.3339E-13
616	571430.6	4178679	0.55, 41786	0.41031	0.42684	0.39928	122.12368	48.88835	136.65658	17.23844	9.36082	18.91196	2.28E-06	0.000781	0.000108	7.04E-10	2.13E-09	1.68E-09	1.86E-13	4.49E-12	2.48E-13	4.92589E-12	1.141E-09	0.00078082	0.000108073	7.20174E-10	7.51862E-13	3.59462E-10	1.25093E-13
617	571470.6	4178679	0.55, 41786	0.38401	0.39267	0.38101	130.83453	46.56818	169.29762	18.03085	8.50414	22.62935	2.18E-06	0.000967	0.000129	6.72E-10	2.03E-09	1.6E-09	1.77E-13	4.29E-12	2.37E-13	4.70044E-12	1.089E-09	0.0009673	0.000129312	6.87214E-10	7.17451E-13	3.4301E-10	1.19368E-13
618	571510.6	4178679	0.55, 41786	0.35733	0.36026	0.36021	104.69184	43.30646	125.50481	14.57371	7.68103	16.95061	2.06E-06	0.000717	9.69E-05	6.35E-10	1.92E-09	1.52E-09	1.68E-13	4.05E-12	2.24E-13	4.4438E-12	1.029E-09	0.0007171	9.68637E-05	6.49693E-10	6.78279E-13	3.24282E-10	1.1285E-13
619	571550.6	4178679	0.55, 41786	0.32923	0.33046	0.33426	93.91251	40.06683	115.0705	13.41607	6.60436	16.43864	1.91E-06	0.000657	9.39E-05	5.89E-10	1.78E-09	1.41E-09	1.56E-13	3.76E-12	2.08E-13	4.12365E-12	9.551E-10	0.00065748	9.3937E-05	6.02886E-10	6.29413E-13	3.0092E-10	1.0472E-13
620	571590.6	4178679	0.55, 41786	0.30119	0.30402	0.3057	90.51235	37.8645	108.48539	11.49242	5.95997	13.56067	1.75E-06	0.00062	7.75E-05	5.39E-10	1.63E-09	1.29E-09	1.42E-13	3.44E-12	1.9E-13	3.77132E-12	8.735E-10	0.00061986	7.74918E-05	5.51375E-10	5.75635E-13	2.75209E-10	9.57727E-14
621	570310.6	4178719	0.55, 41787	0.10285	0.08839	0.09803	86.08959	31.99227	98.88317	10.7612	4.57032	12.3604	5.6E-07	0.000565	7.06E-05	1.73E-10	5.22E-10	4.12E-10	4.57E-14	1.1E-12	6.09E-14	1.20934E-12	2.801E-10	0.00056499	7.06333E-05	1.76808E-10	1.84587E-13	8.82504E-11	3.07111E-14
622	570350.6	4178719	0.55, 41787	0.11563	0.10049	0.11012	90.6137	34.18211	105.82439	11.32671	4.88316	13.22805	6.29E-07	0.000605	7.56E-05	1.94E-10	5.86E-10	4.63E-10	5.13E-14	1.24E-12	6.84E-14	1.35849E-12	3.146E-10	0.00060465	7.55912E-05	1.98614E-10	2.07353E-13	9.91346E-11	3.44988E-14
623	570390.6	4178719	0.55, 41787	0.13114	0.11521	0.12472	102.01088	38.97546	110.90458	12.75136	5.08393	13.86307	7.13E-07	0.000634	7.92E-05	2.2E-10	6.64E-10	5.25E-10	5.81E-14	1.4E-12	7.75E-14	1.53861E-12	3.564E-10	0.00063368	7.92214E-05	2.24947E-10	2.34845E-13	1.12278E-10	3.90729E-14
624	570430.6	4178719	0.55, 41787	0.15	0.13322	0.1425	114.28488	46.41789	135.81295	14.28561	5.80224	16.97662	8.14E-07	0.000776	9.7E-05	2.51E-10	7.59E-10	5.99E-10	6.64E-14	1.6E-12	8.85E-14	1.75795E-12	4.072E-10	0.000776	9.70119E-05	2.57016E-10	2.68325E-13	1.28285E-10	4.46432E-14
625	570470.6	4178719	0.55, 41787	0.17288	0.1553	0.16447	122.16306	52.59309	158.80652	15.27038	6.67803	19.85082	9.4E-07	0.000907	0.000113	2.9E-10	8.76E-10	6.92E-10	7.66E-14	1.85E-12	1.02E-13	2.02899E-12	4.699E-10	0.00090737	0.000113434	2.96643E-10	3.09695E-13	1.48064E-10	5.15262E-14
626	570510.6	4178719	0.55, 41787	0.1999	0.18201	0.19124	126.87173	56.8638	170.00598	15.85897	8.56143	21.25075	1.09E-06	0.000971	0.000121	3.37E-10	1.02E-09	8.04E-10	8.91E-14	2.15E-12	1.19E-13	2.35925E-12	5.464E-10	0.00097137	0.000121433	3.44926E-10	3.60103E-13	1.72164E-10	5.9913E-14
627	570550.6	4178719	0.55, 41787	0.2328	0.21534	0.22528	141.7684	62.68438	190.3461	19.27806	10.36338	23.79326	1.29E-06	0.001088	0.000136	3.97E-10	1.2E-09	9.47E-10	1.05E-13	2.53E-12	1.4E-13	2.77918E-12	6.437E-10	0.00108758	0.000135964	4.06322E-10	4.242E-13	2.02808E-10	7.05773E-14
628	570590.6	4178719	0.55, 41787	0.2704	0.25529	0.2651	152.6333	65.86327	220.26265	21.80476	11.76563	29.62209	1.51E-06	0.001259	0.000169	4.67E-10	1.41E-09	1.11E-09	1.23E-13	2.98E-12	1.65E-13	3.27043E-12	7.575E-10	0.0012585	0.000169269	4.78143E-10	4.99182E-13	2.38657E-10	8.30525E-14
629	570630.6	4178719	0.55, 41787	0.31352	0.30328	0.30884	160.25221	70.5161	243.59554	22.89317	12.52474	34.32359	1.76E-06	0.001392	0.000196	5.45E-10	1.64E-09	1.3E-09	1.44E-13	3.47E-12	1.92E-13	3.81005E-12	8.825E-10	0.00139182	0.000196131	5.57037E-10	5.81547E-13	2.78035E-10	9.67562E-14
630	570670.6	4178719	0.55, 41787	0.36149	0.3594	0.35242	159.13882	79.23774	228.99362	22.73412	14.05012	31.24302	2.01E-06	0.001308	0.000179	6.21E-10	1.88E-09	1.48E-09	1.64E-13	3.96E-12	2.19E-13	4.34773E-12	1.007E-09	0.00130841	0.000178531	6.35646E-10	6.63614E-13	3.17271E-10	1.1041E-13
631	570710.6	4178719	0.55, 41787	0.41184	0.42167	0.39325	168.39934	82.78202	268.08178	23.84947	15.22445	37.49142	2.25E-06	0.001532	0.000214	6.93E-10	2.09E-09	1.65E-09	1.83E-13	4.42E-12	2.44E-13	4.8515E-12	1.124E-09	0.00153173	0.00021423	7.09299E-10	7.40508E-13	3.54034E-10	1.23204E-13
632	570750.6	4178719	0.55, 41787	0.46631	0.48852	0.43046	193.26616	81.97611	266.60096	24.83922	16.78199	33.32613	2.46E-06	0.001523	0.00019	7.59E-10	2.29E-09	1.81E-09	2E-13	4.84E-12	2.67E-13	5.31065E-12	1.23E-09	0.00152332	0.000190435	7.76427E-10	8.1059E-13	3.87539E-10	1.34864E-13
633	570790.6	4178719	0.55, 41787	0.5297	0.5627	0.45402	208.56721	92.88706	267.98327	26.09236	23.00092	33.50993	2.59E-06	0.001531	0.000191	8.01E-10	2.42E-09	1.91E-09	2.11E-13	5.11E-12	2.82E-13	5.60147E-12	1.297E-09	0.00153118	0.000191487	8.18945E-10	8.54979E-13	4.08762E-10	1.42249E-13
634	570830.6	4178719	0.55, 41787	0.58417	0.63922	0.49731	206.25232	102.59816	258.13483	28.9378	25.69667	32.26685	2.84E-06	0.001475	0.000184	8.77E-10	2.65E-09	2.09E-09	2.32E-13	5.6E-12	3.09E-13	6.13563E-12	1.421E-09	0.00147493	0.00018439	8.97041E-10	9.3651E-13	4.47742E-10	1.55814E-13
635	570870.6	4178719	0.55, 41787	0.63384	0.71183	0.60618	208.40577	136.85909	408.7133	28.70976	24.7437	51.08916	3.46E-06	0.002335	0.000292	1.07E-09	3.23E-09	2.55E-09	2.82E-13	6.82E-12	3.76E-13	7.47859E-12	1.732E-09	0.00233525	0.000291924	1.09338E-09	1.14149E-12	5.45743E-10	1.89919E-13
636	570910.6	4178719	0.55, 41787	0.68401	0.75343	0.58123	211.07044	124.31957	366.90455	30.70854	25.49482	45.86307	3.32E-06	0.002096	0.000262	1.03E-09	3.1E-09	2.44E-09	2.71E-13	6.54E-12	3.61E-13	7.17102E-12	1.661E-09	0.00209638	0.000262069	1.04842E-09	1.09455E-12	5.23299E-10	1.82108E-13
637	570950.6	4178719	0.55, 41787	0.69007	0.76497	0.57081	207.10313	108.18225	376.87466	30.79195	24.65468	47.10933	3.26E-06	0.002153	0.000269	1.01E-09	3.04E-09	2.4E-09	2.66E-13	6.42E-12	3.55E-13	7.04255E-12	1.631E-09	0.00215332	0.00026919	1.02963E-09	1.07494E-12	5.13923E-10	1.78845E-13
638	570990.6	4178719	0.55, 41787	0.68048	0.74999	0.58632	206.58356	95.47159	294.44278	32.17827	21.60129	36.80535	3.35E-06	0.001682	0.00021	1.03E-09	3.12E-09	2.47E-09	2.73E-13	6.6E-12	3.64E-13	7.23379E-12	1.675E-09	0.00168235	0.000210324	1.05759E-09	1.10413E-12	5.27879E-10	1.83702E-13
639	571030.6	4178719	0.55, 41787	0.66194	0.72353	0.59736	210.3532	86.11281	328.15995	30.372	18.42489	51.15716	3.41E-06	0.001875	0.000292	1.05E-09	3.18E-09	2.51E-09	2.78E-13	6.72E-12	3.71E-13	7.36986E-12	1.707E-09	0.00187497	0.000292315	1.07749E-09	1.1249E-12	5.37809E-10	1.87157E-13
640	571070.6	4178719	0.55, 41787	0.64029	0.68839	0.56269	181.70859	76.31707	252.84162	22.73215	15.52213	31.6052	3.22E-06	0.001445	0.000181	9.92E-10	3E-09	2.37E-09	2.62E-13	6.33E-12	3.49E-13	6.94215E-12	1.608E-09	0.00144465	0.0001806	1.01496E-09	1.05961E-12	5.06597E-10	1.76296E-13
641	571110.6	4178719	0.55, 41787	0.60626	0.64543	0.53034	207.95149	70.27092	268.27126	26.16426	14.32632	33.53391	3.03E-06	0.001533	0.000192	9.35E-10	2.82E-09	2.23E-09	2.47E-13	5.97E-12	3.29E-13	6.54302E-12	1.515E-09	0.0015328	0.000191624	9.56603E-10	9.98693E-13	4.77471E-10	1.6616E-13
642	571150.6	4178719	0.55, 41787	0.57256	0.60327	0.52806	200.64391	66.12781	289.68563	25.68735	14.52342	36.23202	3.02E-06	0.001655	0.000207	9.31E-10	2.81E-09	2.22E-09	2.46E-13	5.94E-12	3.28E-13	6.51476E-12	1.509E-09	0.00165513	0.000207038	9.52471E-10	9.9438E-13	4.75409E-10	1.65442E-13
643	571190.6	4178719	0.55, 41787	0.53842	0.56251	0.50995	154.3512	63.9477	213.38711	22.19645	14.00077	30.48387	2.91E-06	0.001219	0.000174	8.99E-10	2.72E-09	2.14E-09	2.38E-13	5.74E-12	3.17E-13	6.29127E-12	1.457E-09	0.00121922	0.000174193	9.19796E-10	9.60267E-13	4.591E-10	1.59767E-13
644	571230.6	4178719	0.55, 41787	0.49735	0.52247	0.4676	159.72675	60.41971	199.28282	22.34048	12.75874	27.30767	2.67E-06	0.001139	0.000156	8.25E-10	2.49E-09	1.97E-09	2.18E-13	5.26E-12	2.9E-13	5.76882E-12	1.336E-09	0.00113864	0.000156047	8.43413E-10	8.80523E-13	4.20974E-10	1.46499E-13
645	571270.6	4178719	0.55, 41787	0.45612	0.4836	0.42898	144.14128	55.22387	195.55309	20.17616	11.51496	26.9261	2.45E-06	0.001117	0.000154	7.57E-10	2.28E-09	1.8E-09	2E-13	4.83E-12	2.66E-13	5.29237E-12	1.226E-09	0.00111732	0.000153864	7.73755E-10	8.07801E-13	3.86206E-10	1.344E-13
646	571310.6	4178719	0.55, 41787	0.42006	0.44717	0.39945	118.44349	52.26024	154.81704	17.97136	10.56882	25.80284	2.28E-06	0.000885	0.000147	7.04E-10	2.13E-09	1.68E-09	1.86E-13	4.49E-12	2.48E-13	4.92805E-12	1.141E-09	0.00088458	0.000147443	7.2049E-10	7.52192E-13	3.5962E-10	1.25148E-13
647	571350.6	4178719	0.55, 41787	0.38785	0.41385	0.37184	109.17018	50.24459	147.83356	14.07795	10.0186	18.4792	2.13E-06	0.000845	0.000106	6.56E-10	1.98E-09	1.56E-09	1.73E-13	4.18E-12	2.31E-13	4.58741E-12	1.063E-09	0.00084468	0.000105596	6.70689E-10	7.00199E-13	3.34762E-10	1.16497E-13
648	571390.6	4178719	0.55, 41787	0.35875	0.38356	0.34391	87.70597	48.80309	113.13015	10.96325	9.64341	14.14127	1.97E-06	0.000646	8.08E-05	6.06E-10	1.83E-09	1.45E-09	1.6E-13	3.87E-12	2.14E-13	4.24284E-12	9.827E-10	0.00064641	8.0808E-05	6.20312E-10	6.47605E-13	3.09617E-10	1.07747E-13
649	571430.6	4178719	0.55, 41787	0.33385	0.35563	0.32061	80.9107	47.09106	69.47289	11.59229	8.99084	10.76512	1.83E-06	0.000397	6.15E-05	5.65E-10	1.71E-09	1.35E-09	1.49E-13	3.61E-12	1.99E-13	3.95538E-12	9.161E-10	0.00039699	6.15206E-05	5.78284E-10	6.03729E-13	2.8864E-10	1.00447E-13
650	571470.6	4178719	0.55, 41787	0.31507	0.33052	0.30587	111.40642	45.19171	126.48359	15.57659	8.16367	17.53078	1.75E-06	0.000723	0.0001	5.39E-10	1.63E-09	1.29E-09	1.42E-13	3.44E-12	1.9E-13	3.77351E-12	8.74E-10	0.0007227	0.00010018	5.51694E-10	5.75968E-13	2.75368E-10	9.58281E-14
651	571510.6	4178719	0.55, 41787	0.29891	0.30701	0.29518	116.70467	43.07153	146.87884	15.95519	7.46065	19.6972	1.69E-06	0.000839	0.000113	5.21E-10	1.57E-09	1.24E-09	1.37E-13	3.32E-12	1.83E-13	3.64159E-12	8.434E-10	0.00083922	0.000112558	5.32407E-10	5.55833E-13	2.65741E-10	9.2478E-14
652	571550.6	4178719	0.55, 41787	0.28299	0.28542	0.28355	93.20798	40.2806	109.70993	12.81909	6.80365	14.78577	1.62E-06	0.000627	8.45E-05	5E-10	1.51E-09	1.19E-09	1.32E-13	3.19E-12	1.76E-13	3.49808E-12	8.102E-10	0.00062686	8.4493E-05	5.11426E-10	5.33928E-13	2.55269E-10	8.88336E-14
653	571590.6	4178719	0.55, 41787	0.2649	0.26495	0.26753	84.18961	37.57199	100.50298	12.02709	5.93847	14.35757	1.53E-06	0.000574	8.2E-05	4.72E-10	1.42E-09	1.13E-09	1.25E-13	3.01E-12	1.66E-13	3.30043E-12	7.644E-10	0.00057425	8.20454E-05	4.82529E-10	5.0376E-13	2.40846E-10	8.38143E-14
654	570310.6	4178759	0.55, 41787	0.10291	0.08971	0.0989	86.89901	32.22927	93.76167	10.86238	4.40505	11.72021	5.65E-07	0.000536	6.7E-05	1.74E-10	5.27E-10	4.16E-10	4.61E-14	1.11E-12	6.14E-14	1.22007E-12	2.826E-10	0.00053573	6.6976E-05	1.78377E-10	1.86226E-13	8.90337E-11	3.09837E-14
655	570350.6	4178759	0.55, 41787	0.11544	0.10167	0.11074	97.89636	38.6449	111.66772	12.23704	4.83061	13.95846	6.33E-07	0.000638	7.98E-05	1.95E-10	5.9E-10	4.66E-10	5.16E-14	1.25E-12	6.88E-14	1.36614E-12	3.164E-10	0.00063804	7.97656E-05	1.99732E-10	2.08521E-13	9.96928E-11	3.46931E-14
656	570390.6	4178759	0.55, 41787	0.13027	0.11595	0.12485	105.67733	44.34348	129.76492	13.20967	5.54293	16.22061	7.13E-07	0.000741	9.27E-05	2.2E-10	6.65E-10	5.25E-10	5.81E-14	1.4E-12	7.75E-14	1.54021E-12	3.567E-10	0.00074144	9.2691E-05	2.25182E-10	2.3509E-13	1.12396E-10	3.91136E-14
657	570430.6	4178759	0.55, 41787	0.14773	0.133	0.14184	109.21499	48.49986	141.11126	13.65187	6.24447	17.63891	8.11E-07	0.000806	0.000101	2.5E-10	7.55E-10	5.97E-10	6.61E-14	1.6E-12	8.81E-14	1.74981E-12	4.053E-10	0.00080627	0.000100795	2.55826E-10	2.67082E-13	1.27691E-10	4.44365E-14
658	570470.6	4178759	0.55, 41787	0.16767	0.15301	0.16202	117.79795	52.53636	140.35154	14.72474	7.71399	17.54394	9.26E-07	0.000802	0.0001	2.86E-10	8.63E-10	6.81E-10	7.55E-14	1.82E-12	1.01E-13	1.99877E-12	4.629E-10	0.00080194	0.000100254	2.92224E-10	3.05081E-13	1.45858E-10	5.07586E-14
659	570510.6	4178759	0.55, 41787	0.191	0.17712	0.1864	128.29828	56.17436	171.94141	17.6792	9.03197	21.49268	1.07E-06	0.000982	0.000123	3.29E-10	9.92E-10	7.84E-10	8.68E-14	2.1E-12	1.16E-13	2.29953E-12	5.326E-10	0.00098242	0.000122818	3.36196E-10	3.50989E-13	1.67806E-10	5.83966E-14
660	570550.6	4178759	0.55, 41787	0.21672	0.20498	0.21341	137.63049	58.52483	184.29573	19.6615	9.95092	26.17497	1.22E-06	0.001053	0.00015	3.76E-10	1.14E-09	8.98E-10	9.94E-14	2.4E-12	1.33E-13	2.63275E-12	6.098E-10	0.00105301	0.000149572	3.84913E-10	4.0185E-13	1.92123E-10	6.68586E-14
661	570590.6	4178759	0.55, 41787	0.24504	0.23724	0.24166	142.23889	62.68425	205.21483	20.31984	10.25836	28.57469	1.38E-06	0.001173	0.000163	4.26E-10	1.29E-09	1.02E-09	1.13E-13	2.72E-12	1.5E-13	2.98128E-12	6.905E-10	0.00117253	0.000163283	4.35868E-10	4.55046E-13	2.17556E-10	7.57094E-14
662	570630.6	4178759	0.55, 41787	0.27554	0.27375	0.26892	139.19636	70.02218	188.40794	19.61007	11.07526	25.7042	1.54E-06	0.001077	0.000147	4.74E-10	1.43E-09	1.13E-09	1.25E-13	3.03E-12	1.67E-13	3.3176E-12	7.684E-10	0.00107652	0.000146882	4.8504E-10	5.06382E-13	2.42099E-10	8.42504E-14
663	570670.6	4178759	0.55, 41787	0.30614	0.31293	0.29402	149.31547	72.47289	221.2081	21.10931	12.07881	31.37185	1.68E-06	0.001264	0.000179	5.18E-10	1.57E-09	1.24E-09	1.37E-13	3.31E-12	1.83E-13	3.6273E-12	8.401E-10	0.00126391	0.000179264	5.30318E-10	5.53652E-13	2.64699E-10	9.21152E-14
664	570710.6	4178759	0.55, 41787	0.33494	0.35231	0.31792	164.794	71.08708	213.69891	21.55176	13.08376	26.71236	1.82E-06	0.001221	0.000153	5.61E-10	1.69E-09	1.34E-09	1.48E-13	3.58E-12	1.97E-13	3.9222E-12	9.084E-10	0.00122101	0.000152645	5.73433E-10	5.98664E-13	2.86218E-10	9.9604E-14
665	570750.6	4178759	0.55, 41787	0.36674	0.3924	0.33661	179.38877	78.60477	216.64393	22.4236	16.36841	27.08049	1.92E-06	0.001238	0.000155	5.94E-10	1.79E-09	1.42E-09	1.57E-13	3.79E-12	2.09E-13	4.15284E-12	9.619E-10	0.00123785	0.000154749	6.07153E-10	6.33868E-13	3.03049E-10	1.05461E-13
666	570790.6	4178759	0.55, 41787	0.40357	0.43625	0.34677	166.36606	82.34558	242.62848	21.7564	19.87746	30.35713	1.98E-06	0.001386	0.000173	6.12E-10	1.85E-09	1.46E-09	1.62E-13	3.9E-12	2.15E-13	4.27829E-12	9.909E-10	0.00138631	0.000173468	6.25494E-10	6.53016E-13	3.12204E-10	1.08647E-13
667	570830.6	4178759	0.55, 41787	0.43354	0.48203	0.39259	188.6599	98.62945	246.30784	24.95504	19.43466	30.78848	2.24E-06	0.001407	0.000176	6.92E-10	2.09E-09	1.65E-09	1.83E-13	4.42E-12	2.44E-13	4.84355E-12	1.122E-09	0.00140736	0.000175937	7.08137E-10	7.39295E-13	3.53454E-10	1.23002E-13
668	570870.6	4178759	0.55, 41787	0.46387	0.52331	0.45582	172.12292	120.25167	329.63715	21.51536	18.67269	41.20464	2.6E-06	0.001883	0.000235	8.04E-10	2.43E-09	1.92E-09	2.12E-13	5.13E-12	2.83E-13	5.62352E-12	1.302E-09	0.00188345	0.000235441	8.2217E-10	8.58346E-13	4.10371E-10	1.42809E-13
669	570910.6	4178759	0.55, 41787	0.49085	0.54778	0.42691	176.15826	108.72169	296.15879	23.43896	19.655	37.01985	2.44E-06	0.001692	0.000212	7.53E-10	2.27E-09	1.8E-09	1.99E-13	4.8E-12	2.65E-13	5.26705E-12	1.22E-09	0.00169217	0.000211536	7.70053E-10	8.03935E-13	3.84358E-10	1.33757E-13
670	570950.6	4178759	0.55, 41787	0.48762	0.55475	0.41816	180.46301	97.04885	324.78811	24.36206	20.46933	40.59851	2.39E-06	0.001856	0.000232	7.37E-10	2.23E-09	1.76E-09	1.95E-13	4.7E-12	2.6E-13	5.15916E-12	1.195E-09	0.00185572	0.000231982	7.54278E-10	7.87467E-13	3.76484E-10	1.31017E-13
671	570990.6	4178759	0.55, 41787	0.49051	0.55159	0.43765	151.23194	87.28492	222.1128	25.20532	17.38113	28.62893	2.5E-06	0.001269	0.000164	7.72E-10	2.33E-09	1.84E-09	2.04E-13	4.92E-12	2.72E-13	5.39952E-12	1.251E-09	0.00126914	0.0001636	7.89421E-10	8.24155E-13	3.94025E-10	1.37121E-13
672	571030.6	4178759	0.55, 41787	0.48428	0.53663	0.45626	187.58168	78.86438	272.43541	28.06386	15.68835	45.4059	2.61E-06	0.001557	0.000259	8.05E-10	2.43E-09	1.92E-09	2.13E-13	5.13E-12	2.83E-13	5.629E-12	1.304E-09	0.0015566	0.000259453	8.2297E-10	8.59181E-13	4.10771E-10	1.42948E-13
673	571070.6	4178759	0.55, 41787	0.467	0.51625	0.43604	163.79974	72.83551	258.94072	22.54296	13.46245	32.36759	2.49E-06	0.001479	0.000185	7.69E-10	2.32E-09	1.83E-09	2.03E-13	4.91E-12	2.71E-13	5.37955E-12	1.246E-09	0.00147949	0.000184955	7.86501E-10	8.21107E-13	3.92568E-10	1.36614E-13
674	571110.6	4178759	0.55, 41787	0.44755	0.4933	0.39624	157.0432	65.36033	149.25903	19.63651	11.35189	20.10234	2.26E-06	0.000853	0.000126	6.99E-10	2.11E-09	1.67E-09	1.85E-13	4.46E-12	2.46E-13	4.88861E-12	1.132E-09	0.00085285	0.000126304	7.14724E-10	7.46172E-13	3.56742E-10	1.24146E-13
675	571150.6	4178759	0.55, 41787	0.4302	0.46818	0.38775	183.98767	62.14189	232.46693	23.05685	11.54043	29.05837	2.22E-06	0.001328	0.000166	6.84E-10	2.06E-09	1.63E-09	1.81E-13	4.36E-12	2.41E-13	4.78382E-12	1.108E-09	0.00132823	0.00016605	6.99403E-10	7.30177E-13	3.49094E-10	1.21485E-13
676	571190.6	4178759	0.55, 41787	0.41561	0.44245	0.39452	166.33485	59.4631	232.20811	21.02615	11.70076	29.03347	2.25E-06	0.001327	0.000166	6.96E-10	2.1E-09	1.66E-09	1.84E-13	4.44E-12	2.45E-13	4.86723E-12	1.127E-09	0.00132674	0.000165905	7.11598E-10	7.42909E-13	3.55181E-10	1.23603E-13
677	571230.6	4178759	0.55, 41787	0.39577	0.41616	0.38297	133.04594	57.55284	174.38403	19.00656	11.25795	24.912	2.19E-06	0.000996	0.000142	6.75E-10	2.04E-09	1.61E-09	1.78E-13	4.31E-12	2.38E-13	4.72469E-12	1.094E-09	0.00099638	0.000142355	6.90759E-10	7.21153E-13	3.4478E-10	1.19983E-13
678	571270.6	4178759	0.55, 41787	0.36933	0.38979	0.3568	133.93343	52.76994	163.09994	18.49966	10.32502	20.38749	2.04E-06	0.000932	0.000117	6.29E-10	1.9E-09	1.5E-09	1.66E-13	4.01E-12	2.22E-13	4.40184E-12	1.02E-09	0.00093191	0.000116505	6.43558E-10	6.71874E-13	3.2122E-10	1.11785E-13
679	571310.6	4178759	0.55, 41787	0.3411	0.36413	0.32902	131.1619	50.25063	168.23883	18.11843	9.56125	22.87944	1.88E-06	0.000961	0.000131	5.8E-10	1.75E-09	1.38E-09	1.53E-13	3.7E-12	2.04E-13	4.05913E-12	9.401E-10	0.00096126	0.000130741	5.93453E-10	6.19565E-13	2.96211E-10	1.03082E-13
680	571350.6	4178759	0.55, 41787	0.31543	0.34037	0.30452	103.20737	47.94128	136.71003	14.62528	9.08266	18.8743	1.74E-06	0.000781	0.000108	5.37E-10	1.62E-09	1.28E-09	1.42E-13	3.43E-12	1.89E-13	3.75689E-12	8.701E-10	0.00078112	0.000107854	5.49264E-10	5.73432E-13	2.74155E-10	9.5406E-14
681	571390.6	4178759	0.55, 41787	0.29206	0.31801	0.28181	95.20975	46.26011	128.00267	11.90122	8.7596	16.00033	1.61E-06	0.000731	9.14E-05	4.97E-10	1.5E-09	1.19E-09	1.31E-13	3.17E-12	1.75E-13	3.47672E-12	8.053E-10	0.00073138	9.14305E-05	5.08303E-10	5.30669E-13	2.5371E-10	8.82912E-14
682	571430.6	4178759	0.55, 41787	0.27184	0.29676	0.26169	65.82255	44.97926	77.28464	8.48847	8.42183	11.06277	1.5E-06	0.000442	6.32E-05	4.61E-10	1.39E-09	1.1E-09	1.22E-13	2.94E-12	1.63E-13	3.2285E-12	7.478E-10	0.00044161	6.32163E-05	4.72013E-10	4.92782E-13	2.35597E-10	8.19877E-14
683	571470.6	4178759	0.55, 41787	0.25781	0.27877	0.24855	74.19853	43.63642	66.74746	10.92817	7.8818	10.16339	1.42E-06	0.000381	5.81E-05	4.38E-10	1.32E-09	1.05E-09	1.16E-13	2.8E-12	1.54E-13	3.06638E-12	7.102E-10	0.00038141	5.80818E-05	4.48311E-10	4.68037E-13	2.23766E-10	7.78707E-14
684	571510.6	4178759	0.55, 41787	0.24715	0.26193	0.24035	102.14842	42.0514	116.58455	14.2101	7.23025	16.16505	1.37E-06	0.000666	9.24E-05	4.24E-10	1.28E-09	1.01E-09	1.12E-13	2.7E-12	1.49E-13	2.96519E-12	6.868E-10	0.00066614	9.23752E-05	4.33517E-10	4.52592E-13	2.16382E-10	7.5301E-14
685	571550.6	4178759	0.55, 41787	0.23772	0.24585	0.23427	104.82233	40.15762	128.89855	14.31586	6.66643	17.41071	1.34E-06	0.000736	9.95E-05	4.13E-10	1.25E-09	9.85E-10	1.09E-13	2.64E-12	1.45E-13	2.89016E-12	6.694E-10	0.00073649	9.94954E-05	4.22546E-10	4.41138E-13	2.10906E-10	7.33954E-14
686	571590.6	4178759	0.55, 41787	0.22808	0.23097	0.22747	83.60184	37.747	96.99907	11.46846	6.12919	13.15855	1.3E-06	0.000554	7.52E-05	4.01E-10	1.21E-09	9.57E-10	1.06E-13	2.56E-12	1.41E-13	2.80624E-12	6.5E-10	0.00055423	7.51944E-05	4.10278E-10	4.2833E-13	2.04783E-10	7.12644E-14
687	570310.6	4178799	0.55, 41787	0.10253	0.09048	0.09887	92.22772	37.68456	108.42661	11.52846	4.71057	13.55533	5.65E-07	0.00062	7.74E-05	1.74E-10	5.26E-10	4.16E-10	4.6E-14	1.11E-12	6.14E-14	1.21971E-12	2.825E-10	0.00061952	7.74499E-05	1.78323E-10	1.8617E-13	8.90069E-11	3.09744E-14
688	570350.6	4178799	0.55, 41787	0.11434	0.10195	0.11024	96.42289	41.82094	119.06345	12.05286	5.22762	14.88293	6.3E-07	0.00068	8.5E-05	1.94E-10	5.87E-10	4.64E-10	5.13E-14	1.24E-12	6.85E-14	1.35997E-12	3.15E-10	0.0006803	8.50469E-05	1.98831E-10	2.07579E-13	9.92428E-11	3.45365E-14
689	570390.6	4178799	0.55, 41787	0.12785	0.11532	0.12365	96.70849	44.28794	121.57528	12.08856	5.83168	15.19691	7.07E-07	0.000695	8.68E-05	2.18E-10	6.58E-10	5.2E-10	5.76E-14	1.39E-12	7.68E-14	1.52541E-12	3.533E-10	0.00069465	8.68407E-05	2.23018E-10	2.32831E-13	1.11315E-10	3.87377E-14
690	570430.6	4178799	0.55, 41787	0.14288	0.13064	0.13911	109.4746	48.39009	132.26529	13.83026	6.97525	16.53316	7.95E-07	0.000756	9.45E-05	2.45E-10	7.41E-10	5.85E-10	6.48E-14	1.56E-12	8.64E-14	1.71613E-12	3.975E-10	0.00075573	9.44776E-05	2.50902E-10	2.61942E-13	1.25233E-10	4.35812E-14
691	570470.6	4178799	0.55, 41787	0.15993	0.14857	0.15692	116.3647	50.80214	153.38363	16.31235	7.92735	19.17295	8.97E-07	0.000876	0.00011	2.77E-10	8.36E-10	6.6E-10	7.31E-14	1.77E-12	9.74E-14	1.93585E-12	4.484E-10	0.00087639	0.000109563	2.83025E-10	2.95478E-13	1.41267E-10	4.91609E-14
692	570510.6	4178799	0.55, 41787	0.17816	0.16871	0.17591	124.77861	52.11481	162.22151	17.82552	8.49382	20.2774	1.01E-06	0.000927	0.000132	3.1E-10	9.37E-10	7.4E-10	8.19E-14	1.98E-12	1.09E-13	2.17013E-12	5.026E-10	0.00092688	0.000132427	3.17277E-10	3.31237E-13	1.58363E-10	5.51103E-14
693	570550.6	4178799	0.55, 41787	0.19752	0.19131	0.19507	126.89522	56.18657	175.78093	18.12789	8.51005	24.21863	1.11E-06	0.001004	0.000138	3.44E-10	1.04E-09	8.2E-10	9.09E-14	2.19E-12	1.21E-13	2.40651E-12	5.574E-10	0.00100436	0.000138392	3.51836E-10	3.67317E-13	1.75613E-10	6.11133E-14
694	570590.6	4178799	0.55, 41787	0.21773	0.21627	0.21308	122.68072	62.5324	158.46837	17.14296	9.80776	21.67538	1.22E-06	0.000905	0.000124	3.76E-10	1.13E-09	8.96E-10	9.92E-14	2.4E-12	1.32E-13	2.62872E-12	6.088E-10	0.00090546	0.000123861	3.84323E-10	4.01234E-13	1.91828E-10	6.67562E-14
695	570630.6	4178799	0.55, 41787	0.23771	0.24268	0.22932	133.9153	64.36556	188.20796	18.95021	10.72759	26.70167	1.31E-06	0.001075	0.000153	4.04E-10	1.22E-09	9.65E-10	1.07E-13	2.58E-12	1.42E-13	2.8291E-12	6.553E-10	0.00107537	0.00015258	4.13619E-10	4.31819E-13	2.06451E-10	7.18448E-14
696	570670.6	4178799	0.55, 41787	0.25595	0.26895	0.24514	141.94782	63.09907	182.20008	19.13844	10.57117	23.96944	1.4E-06	0.001041	0.000137	4.32E-10	1.31E-09	1.03E-09	1.14E-13	2.76E-12	1.52E-13	3.0243E-12	7.005E-10	0.00104104	0.00013697	4.42158E-10	4.61613E-13	2.20695E-10	7.68019E-14
697	570710.6	4178799	0.55, 41787	0.27273	0.29382	0.2595	157.12572	66.69563	192.86918	19.64072	11.93189	24.10865	1.48E-06	0.001102	0.000138	4.58E-10	1.38E-09	1.09E-09	1.21E-13	2.92E-12	1.61E-13	3.20148E-12	7.415E-10	0.001102	0.000137766	4.68063E-10	4.88658E-13	2.33625E-10	8.13016E-14
698	570750.6	4178799	0.55, 41787	0.29355	0.31916	0.26739	152.65771	72.44297	180.42039	19.08221	15.18472	22.55534	1.53E-06	0.001031	0.000129	4.72E-10	1.42E-09	1.12E-09	1.25E-13	3.01E-12	1.66E-13	3.29888E-12	7.641E-10	0.00103089	0.000128891	4.82302E-10	5.03524E-13	2.40732E-10	8.37749E-14
699	570790.6	4178799	0.55, 41787	0.31688	0.34759	0.27611	157.73005	72.26845	195.86787	20.13646	16.34526	24.48348	1.58E-06	0.001119	0.00014	4.87E-10	1.47E-09	1.16E-09	1.29E-13	3.11E-12	1.71E-13	3.40652E-12	7.89E-10	0.00111914	0.000139909	4.9804E-10	5.19953E-13	2.48587E-10	8.65084E-14
700	570830.6	4178799	0.55, 41787	0.33524	0.37796	0.31984	162.23746	94.66133	234.71664	21.09567	14.73083	29.33958	1.83E-06	0.001341	0.000168	5.64E-10	1.7E-09	1.35E-09	1.49E-13	3.6E-12	1.99E-13	3.94595E-12	9.139E-10	0.00134112	0.000167654	5.76906E-10	6.0229E-13	2.87952E-10	1.00207E-13
701	570870.6	4178799	0.55, 41787	0.35595	0.40358	0.35265	158.80625	107.46352	263.60655	19.85078	16.70272	32.95082	2.02E-06	0.001506	0.000188	6.22E-10	1.88E-09	1.48E-09	1.64E-13	3.97E-12	2.19E-13	4.35069E-12	1.008E-09	0.00150619	0.000188283	6.3608E-10	6.64067E-13	3.17488E-10	1.10486E-13
702	570910.6	4178799	0.55, 41787	0.3676	0.41723	0.32417	150.41188	96.98395	247.06251	18.80149	15.72408	30.88281	1.85E-06	0.001412	0.000176	5.72E-10	1.73E-09	1.36E-09	1.51E-13	3.65E-12	2.01E-13	3.99949E-12	9.263E-10	0.00141166	0.000176467	5.84733E-10	6.10461E-13	2.91859E-10	1.01567E-13
703	570950.6	4178799	0.55, 41787	0.34637	0.40141	0.30552	159.46188	87.41269	275.63404	19.93273	16.48069	34.45425	1.75E-06	0.001575	0.000197	5.39E-10	1.63E-09	1.29E-09	1.42E-13	3.44E-12	1.9E-13	3.76942E-12	8.73E-10	0.00157488	0.000196873	5.51096E-10	5.75344E-13	2.7507E-10	9.57242E-14
704	570990.6	4178799	0.55, 41787	0.35579	0.40756	0.32647	119.48057	79.68844	146.33228	17.5796	14.60553	25.33485	1.87E-06	0.000836	0.000145	5.76E-10	1.74E-09	1.37E-09	1.52E-13	3.67E-12	2.03E-13	4.02782E-12	9.329E-10	0.00083615	0.000144769	5.88875E-10	6.14786E-13	2.93926E-10	1.02286E-13
705	571030.6	4178799	0.55, 41787	0.37225	0.416	0.35619	155.14917	72.93395	196.55996	24.86673	12.948	30.87431	2.04E-06	0.001123	0.000176	6.28E-10	1.9E-09	1.5E-09	1.66E-13	4.01E-12	2.21E-13	4.3944E-12	1.018E-09	0.0011231	0.000176428	6.42469E-10	6.70738E-13	3.20677E-10	1.11596E-13
706	571070.6	4178799	0.55, 41787	0.3594	0.40135	0.34666	158.59146	67.81733	220.83512	22.65592	11.74555	33.70367	1.98E-06	0.001262	0.000193	6.11E-10	1.85E-09	1.46E-09	1.61E-13	3.9E-12	2.15E-13	4.27681E-12	9.906E-10	0.00126178	0.000192589	6.25278E-10	6.5279E-13	3.12096E-10	1.0861E-13
707	571110.6	4178799	0.55, 41787	0.34191	0.38638	0.31575	133.9595	62.41991	198.12185	16.74494	10.40332	24.76523	1.8E-06	0.001132	0.000142	5.57E-10	1.68E-09	1.33E-09	1.47E-13	3.55E-12	1.96E-13	3.89554E-12	9.023E-10	0.001132	0.000141513	5.69535E-10	5.94595E-13	2.84273E-10	9.89271E-14
708	571150.6	4178799	0.55, 41787	0.32926	0.37153	0.29721	140.52662	58.47073	122.49716	17.56829	9.74512	16.40698	1.7E-06	0.0007	9.38E-05	5.24E-10	1.58E-09	1.25E-09	1.38E-13	3.34E-12	1.85E-13	3.66683E-12	8.493E-10	0.00069995	9.37626E-05	5.36097E-10	5.59686E-13	2.67583E-10	9.3119E-14
709	571190.6	4178799	0.55, 41787	0.32393	0.35615	0.30055	162.80337	55.99612	201.90064	20.37225	9.46414	25.23758	1.72E-06	0.001154	0.000144	5.3E-10	1.6E-09	1.26E-09	1.4E-13	3.38E-12	1.87E-13	3.70797E-12	8.588E-10	0.00115359	0.000144217	5.42113E-10	5.65966E-13	2.70586E-10	9.41639E-14
710	571230.6	4178799	0.55, 41787	0.31732	0.33876	0.30501	141.0743	54.42569	191.70239	17.72831	9.52966	23.96639	1.74E-06	0.001095	0.000137	5.38E-10	1.62E-09	1.28E-09	1.42E-13	3.43E-12	1.89E-13	3.76292E-12	8.715E-10	0.00109532	0.000136951	5.50147E-10	5.74353E-13	2.74596E-10	9.55594E-14
711	571270.6	4178799	0.55, 41787	0.30415	0.32027	0.29829	116.54381	51.24633	144.90939	16.64912	9.13765	20.70134	1.7E-06	0.000828	0.000118	5.26E-10	1.59E-09	1.25E-09	1.39E-13	3.36E-12	1.85E-13	3.67998E-12	8.523E-10	0.00082798	0.000118295	5.38021E-10	5.61694E-13	2.68543E-10	9.34531E-14
712	571310.6	4178799	0.55, 41787	0.28608	0.30211	0.28212	111.77517	48.08718	136.31939	15.28029	8.60329	17.73191	1.61E-06	0.000779	0.000101	4.98E-10	1.5E-09	1.19E-09	1.31E-13	3.17E-12	1.75E-13	3.48049E-12	8.061E-10	0.00077889	0.000101329	5.08855E-10	5.31244E-13	2.53986E-10	8.8387E-14
713	571350.6	4178799	0.55, 41787	0.26522	0.28423	0.2608	116.94553	46.1941	139.01017	15.97517	8.23917	19.97796	1.49E-06	0.000794	0.000114	4.6E-10	1.39E-09	1.1E-09	1.21E-13	2.93E-12	1.62E-13	3.21749E-12	7.452E-10	0.00079427	0.000114162	4.70403E-10	4.911E-13	2.34793E-10	8.17079E-14
714	571390.6	4178799	0.55, 41787	0.24309	0.26586	0.23735	101.64822	44.37475	130.479	13.96186	7.97488	17.70328	1.36E-06	0.000746	0.000101	4.19E-10	1.26E-09	9.98E-10	1.11E-13	2.67E-12	1.47E-13	2.92821E-12	6.782E-10	0.00074552	0.000101163	4.28109E-10	4.46946E-13	2.13683E-10	7.43617E-14
715	571430.6	4178799	0.55, 41787	0.22645	0.25105	0.21957	78.66707	42.96369	101.00422	10.22882	7.75525	13.14754	1.25E-06	0.000577	7.51E-05	3.87E-10	1.17E-09	9.24E-10	1.02E-13	2.47E-12	1.36E-13	2.70887E-12	6.274E-10	0.00057712	7.51295E-05	3.96042E-10	4.13468E-13	1.97677E-10	6.87916E-14
716	571470.6	4178799	0.55, 41787	0.21325	0.23694	0.20607	47.64153	41.84289	57.10773	7.70461	7.45296	10.06314	1.18E-06	0.000326	5.75E-05	3.63E-10	1.1E-09	8.67E-10	9.6E-14	2.32E-12	1.28E-13	2.54232E-12	5.888E-10	0.00032633	5.7504E-05	3.71692E-10	3.88047E-13	1.85523E-10	6.45622E-14
717	571510.6	4178799	0.55, 41787	0.20623	0.22585	0.19985	71.44774	40.73398	67.79843	10.29216	7.00806	9.90291	1.14E-06	0.000387	5.66E-05	3.52E-10	1.06E-09	8.41E-10	9.31E-14	2.25E-12	1.24E-13	2.46557E-12	5.711E-10	0.00038741	5.65927E-05	3.60471E-10	3.76332E-13	1.79923E-10	6.26131E-14
718	571550.6	4178799	0.55, 41787	0.19818	0.21228	0.19356	94.10249	39.35835	107.36049	13.01678	6.4744	14.79864	1.11E-06	0.000613	8.46E-05	3.41E-10	1.03E-09	8.14E-10	9.02E-14	2.18E-12	1.2E-13	2.38795E-12	5.531E-10	0.00061343	8.45668E-05	3.49123E-10	3.64484E-13	1.74258E-10	6.06419E-14
719	571590.6	4178799	0.55, 41787	0.19254	0.20073	0.18997	94.76849	37.66806	114.23818	12.95063	6.01952	15.50303	1.09E-06	0.000653	8.86E-05	3.35E-10	1.01E-09	7.99E-10	8.85E-14	2.14E-12	1.18E-13	2.34364E-12	5.428E-10	0.00065272	8.8591E-05	3.42644E-10	3.57721E-13	1.71025E-10	5.95166E-14
720	570310.6	4178839	0.55, 41788	0.10118	0.0904	0.098	86.93136	38.98232	105.93151	10.86642	4.87279	13.24144	5.6E-07	0.000605	7.57E-05	1.73E-10	5.22E-10	4.12E-10	4.56E-14	1.1E-12	6.09E-14	1.20897E-12	2.8E-10	0.00060527	7.5667E-05	1.76754E-10	1.84532E-13	8.82238E-11	3.07019E-14
721	570350.6	4178839	0.55, 41788	0.1118	0.10104	0.10874	92.10266	41.60712	103.12867	11.51283	5.43734	12.89108	6.21E-07	0.000589	7.37E-05	1.92E-10	5.79E-10	4.57E-10	5.06E-14	1.22E-12	6.75E-14	1.34147E-12	3.107E-10	0.00058926	7.36664E-05	1.96126E-10	2.04755E-13	9.78926E-11	3.40666E-14
722	570390.6	4178839	0.55, 41788	0.12335	0.11299	0.12071	101.58992	44.39945	123.8041	13.097	6.32134	15.47551	6.9E-07	0.000707	8.84E-05	2.13E-10	6.43E-10	5.08E-10	5.62E-14	1.36E-12	7.5E-14	1.48914E-12	3.449E-10	0.00070739	8.8434E-05	2.17715E-10	2.27295E-13	1.08669E-10	3.78167E-14
723	570430.6	4178839	0.55, 41788	0.13612	0.12663	0.1341	105.75261	46.22171	135.82058	15.10752	6.99394	17.72822	7.66E-07	0.000776	0.000101	2.36E-10	7.14E-10	5.64E-10	6.25E-14	1.51E-12	8.33E-14	1.65433E-12	3.832E-10	0.00077604	0.000101307	2.41866E-10	2.52508E-13	1.20723E-10	4.20117E-14
724	570470.6	4178839	0.55, 41788	0.14941	0.1416	0.14777	113.55911	47.52324	144.14907	16.22273	7.30549	20.59272	8.44E-07	0.000824	0.000118	2.61E-10	7.87E-10	6.21E-10	6.88E-14	1.66E-12	9.18E-14	1.82298E-12	4.222E-10	0.00082363	0.000117674	2.66523E-10	2.7825E-13	1.3303E-10	4.62944E-14
725	570510.6	4178839	0.55, 41788	0.16314	0.158	0.16129	114.44641	50.69094	152.51274	16.21485	7.16417	20.85712	9.22E-07	0.000871	0.000119	2.84E-10	8.59E-10	6.78E-10	7.51E-14	1.81E-12	1E-13	1.98978E-12	4.609E-10	0.00087141	0.000119185	2.90909E-10	3.03709E-13	1.45202E-10	5.05303E-14
726	570550.6	4178839	0.55, 41788	0.17704	0.17576	0.1737	109.2842	56.30775	135.99936	15.45924	8.75778	18.63755	9.93E-07	0.000777	0.000107	3.06E-10	9.25E-10	7.31E-10	8.09E-14	1.95E-12	1.08E-13	2.14289E-12	4.963E-10	0.00077708	0.000106503	3.13295E-10	3.2708E-13	1.56376E-10	5.44187E-14
727	570590.6	4178839	0.55, 41788	0.1907	0.19445	0.18485	121.04262	57.73789	162.59872	17.123	9.62298	23.05827	1.06E-06	0.000929	0.000132	3.26E-10	9.84E-10	7.77E-10	8.61E-14	2.08E-12	1.15E-13	2.28047E-12	5.282E-10	0.00092905	0.000131762	3.33409E-10	3.48079E-13	1.66415E-10	5.79125E-14
728	570630.6	4178839	0.55, 41788	0.20316	0.21304	0.19546	125.84874	56.85617	163.76967	17.26057	9.47603	21.8341	1.12E-06	0.000936	0.000125	3.45E-10	1.04E-09	8.22E-10	9.1E-14	2.2E-12	1.21E-13	2.41139E-12	5.585E-10	0.00093574	0.000124768	3.5255E-10	3.68062E-13	1.75969E-10	6.12371E-14
729	570670.6	4178839	0.55, 41788	0.21386	0.23043	0.20601	138.80556	56.19819	167.35734	17.35069	9.51337	20.91967	1.18E-06	0.000956	0.00012	3.63E-10	1.1E-09	8.66E-10	9.59E-14	2.32E-12	1.28E-13	2.54156E-12	5.887E-10	0.00095623	0.000119544	3.71581E-10	3.87931E-13	1.85468E-10	6.45429E-14
730	570710.6	4178839	0.55, 41788	0.22462	0.24643	0.21368	139.69865	64.11019	158.44625	17.46233	11.64998	19.80578	1.22E-06	0.000905	0.000113	3.77E-10	1.14E-09	8.99E-10	9.95E-14	2.4E-12	1.33E-13	2.63621E-12	6.106E-10	0.00090534	0.0001318	3.85419E-10	4.02377E-13	1.92375E-10	6.69465E-14
731	570750.6	4178839	0.55, 41788	0.23931	0.26333	0.21642	129.30344	65.03758	176.13066	16.25667	13.35444	22.02002	1.24E-06	0.001006	0.000126	3.82E-10	1.15E-09	9.1E-10	1.01E-13	2.43E-12	1.34E-13	2.67006E-12	6.184E-10	0.00100637	0.000125829	3.90368E-10	4.07544E-13	1.94845E-10	6.78061E-14
732	570790.6	4178839	0.55, 41788	0.2546	0.28325	0.22784	148.03432	66.52984	161.44916	18.88746	13.10425	20.18115	1.3E-06	0.000922	0.000115	4.02E-10	1.21E-09	9.58E-10	1.06E-13	2.56E-12	1.41E-13	2.81097E-12	6.511E-10	0.0009225	0.000115327	4.1097E-10	4.29052E-13	2.05128E-10	7.13846E-14
733	570830.6	4178839	0.55, 41788	0.26766	0.30497	0.26524	136.3658	90.38201	203.70222	17.19519	14.05196	26.51864	1.52E-06	0.001164	0.000152	4.68E-10	1.41E-09	1.12E-09	1.24E-13	2.98E-12	1.65E-13	3.27231E-12	7.579E-10	0.00116392	0.000151531	4.78418E-10	4.99468E-13	2.38794E-10	8.31002E-14
734	570870.6	4178839	0.55, 41788	0.28248	0.32215	0.27934	145.76117	97.26265	213.43334	18.22015	15.13016	26.67917	1.6E-06	0.00122	0.000152	4.93E-10	1.49E-09	1.17E-09	1.3E-13	3.14E-12	1.73E-13	3.44627E-12	7.982E-10	0.00121953	0.00015245	5.03851E-10	5.2602E-13	2.51488E-10	8.75178E-14
735	570910.6	4178839	0.55, 41788	0.28799	0.33135	0.25629	130.6935	87.1686	210.24612	16.33669	13.50967	26.28077	1.46E-06	0.001201	0.00015	4.52E-10	1.36E-09	1.08E-09	1.19E-13	2.88E-12	1.59E-13	3.16201E-12	7.324E-10	0.00120131	0.000150171	4.62292E-10	4.82633E-13	2.30745E-10	8.02992E-14
736	570950.6	4178839	0.55, 41788	0.28758	0.33724	0.25781	143.26415	81.64199	232.33178	17.90802	13.93242	29.04147	1.47E-06	0.001327	0.000166	4.55E-10	1.37E-09	1.08E-09	1.2E-13	2.9E-12	1.6E-13	3.18078E-12	7.367E-10	0.00132748	0.000165946	4.65036E-10	4.85497E-13	2.32114E-10	8.07757E-14
737	570990.6	4178839	0.55, 41788	0.28844	0.33412	0.27084	115.42228	74.82901	134.90402	15.11344	13.01217	21.06919	1.55E-06	0.000771	0.00012	4.78E-10	1.44E-09	1.14E-09	1.26E-13	3.05E-12	1.68E-13	3.34147E-12	7.739E-10	0.00077085	0.000120395	4.8853E-10	5.10025E-13	2.43841E-10	8.48566E-14
738	571030.6	4178839	0.55, 41788	0.29049	0.32848	0.28015	122.60648	67.85889	167.69329	20.43441	11.21527	20.96166	1.6E-06	0.000958	0.00012	4.94E-10	1.49E-09	1.18E-09	1.3E-13	3.15E-12	1.74E-13	3.45628E-12	8.005E-10	0.00095817	0.000119789	5.05315E-10	5.27548E-13	2.52219E-10	8.77721E-14
739	571070.6	4178839	0.55, 41788	0.2868	0.32211	0.27916	145.80556	62.69899	194.95005	22.09774	10.44682	32.49167	1.6E-06	0.001114	0.000186	4.92E-10	1.49E-09	1.17E-09	1.3E-13	3.14E-12	1.73E-13	3.44405E-12	7.977E-10	0.00111388	0.000185664	5.03526E-10	5.25682E-13	2.51326E-10	8.74615E-14
740	571110.6	4178839	0.55, 41788	0.272	0.3104	0.2597	131.09883	59.8466	180.45962	17.36249	9.97443	23.15348	1.48E-06	0.001031	0.000132	4.58E-10	1.38E-09	1.09E-09	1.21E-13	2.92E-12	1.61E-13	3.204E-12	7.421E-10	0.00103109	0.000132306	4.68431E-10	4.89042E-13	2.33809E-10	8.13655E-14
741	571150.6	4178839	0.55, 41788	0.26	0.30055	0.24148	99.99815	55.57889	134.60776	12.49977	9.26315	16.82597	1.38E-06	0.000769	9.61E-05	4.26E-10	1.29E-09	1.02E-09	1.12E-13	2.72E-12	1.5E-13	2.97925E-12	6.9E-10	0.00076912	9.61484E-05	4.35573E-10	4.54738E-13	2.17408E-10	7.5658E-14
742	571190.6	4178839	0.55, 41788	0.2552	0.29099	0.23588	127.82601	53.11626	132.48794	15.97966	8.85271	16.56099	1.35E-06	0.000757	9.46E-05	4.16E-10	1.26E-09	9.92E-10	1.1E-13	2.65E-12	1.46E-13	2.91016E-12	6.74E-10	0.00075701	9.464E-05	4.2547E-10	4.44191E-13	2.12366E-10	7.39033E-14
743	571230.6	4178839	0.55, 41788	0.25406	0.28009	0.23929	144.46225	51.51588	176.21864	18.06666	8.58598	22.02733	1.37E-06	0.001007	0.000126	4.22E-10	1.27E-09	1.01E-09	1.11E-13	2.69E-12	1.49E-13	2.95218E-12	6.838E-10	0.00100685	0.000125873	4.31614E-10	4.50605E-13	2.15432E-10	7.49705E-14
744	571270.6	4178839	0.55, 41788	0.2507	0.26766	0.24251	121.82335	49.56018	161.92313	15.26733	8.26003	20.24326	1.39E-06	0.000925	0.000116	4.28E-10	1.29E-09	1.02E-09	1.13E-13	2.73E-12	1.51E-13	2.99185E-12	6.93E-10	0.00092518	0.000115676	4.37415E-10	4.56661E-13	2.18328E-10	7.5978E-14
745	571310.6	4178839	0.55, 41788	0.24184	0.25433	0.23951	103.21026	44.65355	122.05645	14.74432	7.58702	17.43664	1.37E-06	0.000697	9.96E-05	4.22E-10	1.28E-09	1.01E-09	1.12E-13	2.69E-12	1.49E-13	2.95481E-12	6.844E-10	0.0006974	9.96408E-05	4.31999E-10	4.51007E-13	2.15624E-10	7.50373E-14
746	571350.6	4178839	0.55, 41788	0.22797	0.24079	0.22797	99.0464	44.12829	113.73434	14.35742	7.39344	18.63488	1.3E-06	0.00065	0.000106	4.02E-10	1.21E-09	9.59E-10	1.06E-13	2.56E-12	1.42E-13	2.81244E-12	6.514E-10	0.00064986	0.000106486	4.11184E-10	4.29276E-13	2.05235E-10	7.14218E-14
747	571390.6	4178839	0.55, 41788	0.21103	0.22733	0.21036	102.76287	42.76623	112.22851	13.91866	7.25999	15.15441	1.2E-06	0.000641	8.66E-05	3.71E-10	1.12E-09	8.85E-10	9.8E-14	2.37E-12	1.31E-13	2.5952E-12	6.011E-10	0.00064125	8.66008E-05	3.79423E-10	3.96118E-13	1.89382E-10	6.5905E-14
748	571430.6	4178839	0.55, 41788	0.19469	0.21494	0.19186	96.70075	41.37793	118.14409	13.13698	7.12068	15.87157	1.1E-06	0.000675	9.07E-05	3.38E-10	1.02E-09	8.07E-10	8.94E-14	2.16E-12	1.19E-13	2.36699E-12	5.482E-10	0.00067505	9.06968E-05	3.46059E-10	3.61285E-13	1.72729E-10	6.01097E-14
749	571470.6	4178839	0.55, 41788	0.18137	0.20392	0.17665	77.02264	40.18933	97.95965	10.5662	6.94319	13.29535	1.01E-06	0.00056	7.6E-05	3.12E-10	9.41E-10	7.43E-10	8.23E-14	1.99E-12	1.1E-13	2.17936E-12	5.048E-10	0.00055972	7.59745E-05	3.18627E-10	3.32647E-13	1.59037E-10	5.53449E-14
750	571510.6	4178839	0.55, 41788	0.17253	0.19446	0.16733	52.60803	39.21497	67.39367	7.34906	6.67327	9.32595	9.56E-07	0.000385	5.33E-05	2.95E-10	8.91E-10	7.04E-10	7.79E-14	1.88E-12	1.04E-13	2.06438E-12	4.781E-10	0.00038509	5.32918E-05	3.01817E-10	3.15097E-13	1.50647E-10	5.2425E-14
751	571550.6	4178839	0.55, 41788	0.16797	0.18619	0.16347	68.59481	38.25365	67.50423	9.65516	6.29212	9.48561	9.34E-07	0.000386	5.42E-05	2.88E-10	8.7E-10	6.88E-10	7.61E-14	1.84E-12	1.02E-13	2.01675E-12	4.671E-10	0.00038572	5.42076E-05	2.94853E-10	3.07827E-13	1.47171E-10	5.12153E-14
752	571590.6	4178839	0.55, 41788	0.16271	0.17607	0.15959	86.9293	37.04871	99.01478	11.93163	5.86384	13.49632	9.12E-07	0.000566	7.71E-05	2.81E-10	8.5E-10	6.71E-10	7.43E-14	1.8E-12	9.91E-14	1.96887E-12	4.56E-10	0.00056575	7.71248E-05	2.87852E-10	3.00517E-13	1.43676E-10	4.99993E-14
753	570839.2	4178446	9.17, 41784	74.46739	6.86955	3.72049	1115.31188	246.53605	1658.95445	545.24687	92.47095	232.89196	2.13E-05	0.009478	0.001331	6.57E-09	1.98E-08	1.57E-08	1.73E-12	4.19E-11	2.31E-12	4.59324E-11	1.064E-08	0.00947833	0.001331395	6.71541E-09	7.01088E-12	3.35187E-09	1.16645E-12
754	570839.2	4178486	9.17, 41784	72.70489	8.35312	4.22209	2611.28562	240.43522	1473.87155	1286.82968	90.10385	245.64526	2.41E-05	0.008421	0.001405	7.45E-09	2.25E-08	1.78E-08	1.97E-12	4.75E-11	2.62E-12	5.21227E-11	1.207E-08	0.00842116	0.001405419	7.62044E-09	7.95574E-12	3.8036E-09	1.32365E-12
755	570879.2	4178406	9.17, 41784	9.26791	12.09581	2.86973	654.37651	281.54322	1652.24347	174.87233	99.71055	250.6883	1.64E-05	0.00944	0.001432	5.06E-09	1.53E-08	1.21E-08	1.34E-12	3.23E-11	1.78E-12	3.54333E-11	8.207E-09	0.00943997	0.001432487	5.18041E-09	5.40835E-12	2.58571E-09	8.99827E-13
756	570879.2	4178446	9.17, 41784	110.98197	13.33715	11.62742	3333.88644	260.53475	3586.87714	1717.50318	91.01179	770.8732	6.65E-05	0.020493	0.004407	2.05E-08	6.19E-08	4.89E-08	5.42E-12	1.31E-10	7.22E-12	1.43483E-10	3.323E-08	0.02049316	0.004406785	2.09775E-08	2.19005E-11	1.04706E-08	3.64375E-12
757	570879.2	4178486	9.17, 41784	18.42358	13.79846	20.70311	473.0449	246.35325	4578.74855	141.68031	100.88031	655.29094	0.000118	0.026159	0.003744	3.65E-08	1.1E-07	8.71E-08	9.64E-12	2.33E-10	1.29E-11	2.55386E-10	5.915E-08	0.02615937	0.003743979	3.7338E-08	3.89808E-11	1.86366E-08	6.48553E-12
758	570879.2	4178526	9.17, 41785	94.91809	17.71904	9.02777	3340.71117	271.69492	2014.80922	1490.9797	113.49448	441.47053	5.16E-05	0.011512	0.002525	1.59E-08	4.81E-08	3.8E-08	4.21E-12	1.02E-10	5.61E-12	1.11429E-10	2.581E-08	0.01151176	0.002524513	1.62911E-08	1.70079E-11	8.13141E-09	2.82973E-12
759	570879.2	4178566	9.17, 41785	6.34056	7.84517	3.48916	517.57011	248.69096	1100.96831	138.67192	92.32789	171.27972	1.99E-05	0.00629	0.000979	6.15E-09	1.86E-08	1.47E-08	1.63E-12	3.93E-11	2.17E-12	4.3059E-11	9.973E-09	0.0062904	0.000978759	6.2953E-09	6.5723E-12	3.14219E-09	1.09348E-12
760	570919.2	4178366	9.17, 41783	2.36921	8.89638	1.45024	279.82249	231.14799	970.86833	50.20448	85.64726	145.20587	8.3E-06	0.005547	0.00083	2.56E-09	7.73E-09	6.11E-09	6.76E-13	1.63E-11	9.02E-13	1.79141E-11	4.149E-09	0.00554706	0.000829657	2.61908E-09	2.73432E-12	1.30727E-09	4.54929E-13
761	570919.2	4178406	9.17, 41784	7.16288	18.51893	2.95623	387.12304	281.06153	1814.51514	102.95605	123.97591	301.78328	1.69E-05	0.010367	0.001724	5.22E-09	1.58E-08	1.25E-08	1.38E-12	3.33E-11	1.84E-12	3.65189E-11	8.458E-09	0.010367	0.001724286	5.33914E-09	5.57406E-12	2.66493E-09	9.27397E-13
762	570919.2	4178446	9.17, 41784	30.90779	15.96768	15.85005	761.46723	266.85593	6280.62092	290.35951	97.37786	1155.63511	9.06E-05	0.035882	0.006603	2.8E-08	8.44E-08	6.67E-08	7.38E-12	1.78E-10	9.84E-12	1.95543E-10	4.529E-08	0.03588245	0.006602739	2.85887E-08	2.98467E-11	1.42696E-08	4.96581E-12
763	570919.2	4178486	9.17, 41784	29.57453	18.16179	468.02027	992.62163	281.14129	31654.24271	425.98322	121.6397	9353.86757	0.002674	0.180845	0.05344	8.25E-07	2.49E-06	1.97E-06	2.18E-10	5.26E-09	2.91E-10	5.77231E-09	1.337E-06	0.18084509	0.053440449	8.43923E-07	8.81055E-10	4.21229E-07	1.46588E-10
764	570919.2	4178526	9.17, 41785	19.47257	21.77306	15.13476	427.44744	357.8357	3633.422	126.47105	151.21701	760.0028	8.65E-05	0.020759	0.004342	2.67E-08	8.06E-08	6.37E-08	7.05E-12	1.7E-10	9.4E-12	1.86735E-10	4.325E-08	0.02075875	0.004342187	2.7301E-08	2.85022E-11	1.36268E-08	4.74212E-12
765	570919.2	4178566	9.17, 41785	68.70701	17.81326	4.44491	3547.24462	326.79695	1605.72558	1121.59815	123.62419	257.53275	2.54E-05	0.009175	0.001473	7.85E-09	2.37E-08	1.87E-08	2.07E-12	5.01E-11	2.76E-12	5.48982E-11	1.272E-08	0.00917473	0.001473074	8.02623E-09	8.37938E-12	4.00615E-09	1.39414E-12
766	570959.2	4178326	9.17, 41783	2.08146	12.83514	1.34475	279.67021	252.56813	633.18912	42.32993	97.81035	79.64117	7.7E-06	0.003618	0.000455	2.38E-09	7.18E-09	5.67E-09	6.28E-13	1.52E-11	8.37E-13	1.6625E-11	3.851E-09	0.00361789	0.000455066	2.43061E-09	2.53755E-12	1.21319E-09	4.22191E-13
767	570959.2	4178366	9.17, 41783	2.97969	11.80225	1.85212	241.09871	252.07126	954.07883	42.48046	78.75938	136.29698	1.06E-05	0.005451	0.000779	3.27E-09	9.87E-09	7.8E-09	8.64E-13	2.09E-11	1.15E-12	2.28797E-11	5.299E-09	0.00545116	0.000778748	3.34506E-09	3.49224E-12	1.66963E-09	5.8103E-13
768	570959.2	4178406	9.17, 41784	5.48321	18.00699	4.34111	312.89849	292.26242	1429.75284	67.10795	111.57482	238.11199	2.48E-05	0.008169	0.00136	7.66E-09	2.31E-08	1.83E-08	2.02E-12	4.89E-11	2.7E-12	5.3597E-11	1.241E-08	0.00816881	0.001360468	7.83598E-09	8.18076E-12	3.91119E-09	1.36109E-12
769	570959.2	4178446	9.17, 41784	13.2141	15.9724	27.93872	471.07205	258.82785	2485.7483	129.31081	100.45092	486.63208	0.00016	0.014202	0.00278	4.93E-08	1.49E-07	1.17E-07	1.3E-11	3.14E-10	1.73E-11	3.4463E-10	7.982E-08	0.01420182	0.002780391	5.03856E-08	5.26026E-11	2.51491E-08	8.75188E-12
770	570959.2	4178486	9.17, 41784	61.20406	15.71053	62.85492	1330.20017	250.50131	2800.83581	539.42881	101.77571	895.66291	0.000359	0.016002	0.005118	1.11E-07	3.35E-07	2.64E-07	2.93E-11	7.07E-10	3.9E-11	7.75279E-10	1.796E-07	0.01600208	0.005117877	1.13347E-07	1.18334E-10	5.65752E-08	1.96882E-11
771	570959.2	4178526	9.17, 41785	233.18259	14.04006	12.98457	3491.90215	258.73899	2789.84609	1687.05022	110.68808	397.86928	7.42E-05	0.01594	0.002276	2.29E-08	6.92E-08	5.46E-08	6.05E-12	1.46E-10	8.07E-12	1.60265E-10	3.712E-08	0.01593965	0.002275721	2.34311E-08	2.44621E-11	1.16952E-08	4.06994E-12
772	570999.2	4178286	9.17, 41782	4.82709	7.01905	1.81527	541.05323	230.67805	782.52024	117.6944	82.70868	130.42004	1.04E-05	0.004471	0.000745	3.2E-09	9.67E-09	7.64E-09	8.46E-13	2.04E-11	1.13E-12	2.24113E-11	5.191E-09	0.00447104	0.00074529	3.27658E-09	3.42075E-12	1.63544E-09	5.69135E-13

773	570999.2	4178326	9.17, 41783	3.49216	17.23511	2.06149	334.8047	281.26172	702.77079	73.88295	121.01705	110.07877	1.18E-05	0.004015	0.000629	3.64E-09	1.1E-08	8.69E-09	9.62E-13	2.32E-11	1.28E-12	2.54786E-11	5.901E-09	0.00401546	0.000629009	3.72503E-09	3.88893E-12	1.85928E-09	6.47029E-13
774	570999.2	4178366	9.17, 41783	3.49499	15.86199	2.88936	258.09779	262.50756	719.40934	51.99585	99.38677	89.92617	1.65E-05	0.00411	0.000514	5.1E-09	1.54E-08	1.22E-08	1.35E-12	3.25E-11	1.8E-12	3.56849E-11	8.265E-09	0.00411048	0.000513841	5.21719E-09	5.44675E-12	2.60407E-09	9.06216E-13
775	570999.2	4178406	9.17, 41784	4.67229	14.08019	6.50261	269.25985	258.20089	888.73579	48.54927	90.52886	138.83889	3.72E-05	0.005078	0.000793	1.15E-08	3.46E-08	2.74E-08	3.03E-12	7.32E-11	4.04E-12	8.02432E-11	1.859E-08	0.00507786	0.00079328	1.17317E-08	1.22479E-11	5.85567E-09	2.03777E-12
776	570999.2	4178446	9.17, 41784	8.21208	17.59623	13.45709	365.10896	254.50285	1091.31402	80.87758	113.65243	185.77432	7.69E-05	0.006235	0.001061	2.37E-08	7.17E-08	5.66E-08	6.27E-12	1.51E-10	8.36E-12	1.66027E-10	3.845E-08	0.00623523	0.001061478	2.42735E-08	2.53415E-11	1.21157E-08	4.21625E-12
777	570999.2	4178486	9.17, 41784	18.06608	14.21786	20.31738	585.19163	263.25351	1140.06137	156.20535	101.07997	297.24229	0.000116	0.006514	0.001698	3.58E-08	1.08E-07	8.54E-08	9.46E-12	2.29E-10	1.26E-11	2.5063E-10	5.805E-08	0.00651377	0.001698426	3.66426E-08	3.82549E-11	1.82895E-08	6.36475E-12
778	571039.2	4178246	9.17, 41782	16.91212	6.90765	2.82369	857.31055	271.11205	1316.76682	274.95229	93.64332	189.48612	1.61E-05	0.007523	0.001083	4.98E-09	1.5E-08	1.19E-08	1.32E-12	3.18E-11	1.75E-12	3.48523E-11	8.072E-09	0.00752337	0.001082988	5.09547E-09	5.31967E-12	2.54331E-09	8.85073E-13
779	571039.2	4178286	9.17, 41782	28.85834	15.10006	3.68614	1240.055	260.3069	1323.38037	549.80999	92.85324	215.01085	2.11E-05	0.007561	0.001229	6.51E-09	1.96E-08	1.55E-08	1.72E-12	4.15E-11	2.29E-12	4.55182E-11	1.054E-08	0.0075612	0.001229245	6.65484E-09	6.94766E-12	3.32165E-09	1.15593E-12
780	571039.2	4178326	9.17, 41783	6.67676	17.1171	4.10991	443.85334	276.43557	1246.54946	131.23026	111.87763	155.81868	2.35E-05	0.007122	0.00089	7.25E-09	2.19E-08	1.73E-08	1.92E-12	4.63E-11	2.55E-12	5.07432E-11	1.175E-08	0.00712215	0.000890417	7.41875E-09	7.74518E-12	3.70294E-09	1.28862E-12
781	571039.2	4178366	9.17, 41783	4.40971	16.57374	4.87433	310.01939	259.88486	992.68074	73.97776	106.04392	160.75052	2.79E-05	0.005672	0.000919	8.6E-09	2.6E-08	2.05E-08	2.27E-12	5.49E-11	3.03E-12	6.01686E-11	1.394E-08	0.00567172	0.000918503	8.79677E-09	9.18382E-12	4.39075E-09	1.52798E-12
782	571039.2	4178406	9.17, 41784	4.40492	15.47088	6.2465	249.62047	251.60574	625.26496	54.55389	95.67705	86.62547	3.57E-05	0.003573	0.000495	1.1E-08	3.33E-08	2.63E-08	2.91E-12	7.03E-11	3.88E-12	7.70887E-11	1.785E-08	0.00357261	0.000494987	1.12705E-08	1.17664E-11	5.62547E-09	1.95766E-12
783	571039.2	4178446	9.17, 41784	6.02235	17.33371	7.45895	271.18693	258.43077	565.95619	53.34538	113.33058	91.15286	4.26E-05	0.003234	0.000521	1.32E-08	3.97E-08	3.14E-08	3.48E-12	8.39E-11	4.63E-12	9.20484E-11	2.132E-08	0.00323378	0.000520851	1.34577E-08	1.40498E-11	6.71715E-09	2.33757E-12
784	571079.2	4178246	9.17, 41782	26.90238	12.76385	4.78342	686.22219	257.40547	1959.72628	294.80616	92.56412	417.67679	2.74E-05	0.011197	0.002387	8.44E-09	2.55E-08	2.01E-08	2.23E-12	5.38E-11	2.97E-12	5.90435E-11	1.368E-08	0.01119663	0.0023867	8.63227E-09	9.01209E-12	4.30864E-09	1.49941E-12
785	571079.2	4178286	9.17, 41782	49.90964	15.92317	13.80121	957.6563	283.49226	4117.74908	414.11972	108.09945	689.22522	7.89E-05	0.023526	0.003938	2.43E-08	7.35E-08	5.81E-08	6.43E-12	1.55E-10	8.57E-12	1.7028E-10	3.944E-08	0.02352575	0.003938277	2.48953E-08	2.59907E-11	1.2426E-08	4.32426E-12
786	571079.2	4178326	9.17, 41783	16.67986	14.36437	14.4793	793.60016	243.70787	3077.685	313.14105	91.11491	664.711	8.27E-05	0.017584	0.003798	2.55E-08	7.71E-08	6.09E-08	6.74E-12	1.63E-10	8.99E-12	1.78627E-10	4.137E-08	0.01758366	0.003798066	2.61156E-08	2.72647E-11	1.30352E-08	4.53623E-12
787	571079.2	4178366	9.17, 41783	6.18218	17.09307	7.0902	419.38901	255.0076	1488.27193	110.95083	108.56867	287.95219	4.05E-05	0.008503	0.001645	1.25E-08	3.78E-08	2.98E-08	3.3E-12	7.98E-11	4.4E-12	8.74998E-11	2.027E-08	0.0085031	0.00164528	1.27926E-08	1.33555E-11	6.38522E-09	2.22206E-12
788	571079.2	4178406	9.17, 41784	4.42977	14.91	5.35349	310.20505	209.99469	815.89349	72.09993	91.11305	117.58287	3.06E-05	0.004662	0.000672	9.44E-09	2.85E-08	2.25E-08	2.49E-12	6.03E-11	3.33E-12	6.60732E-11	1.53E-08	0.00466164	0.000671878	9.66003E-09	1.00851E-11	4.82163E-09	1.67793E-12
789	571119.2	4178286	9.17, 41782	25.0824	15.07438	138.00946	507.91812	256.39153	16734.57469	211.8106	106.96205	4271.60103	0.000788	0.095607	0.024405	2.43E-07	7.35E-07	5.8E-07	6.43E-11	1.55E-09	8.57E-11	1.70217E-09	3.942E-07	0.0956071	0.024404507	2.4886E-07	2.5981E-10	1.24214E-07	4.32265E-11
790	571119.2	4178326	9.17, 41783	197.49067	14.51391	52.98238	3348.29445	230.6601	7805.71053	1622.72219	95.52079	2122.69744	0.000303	0.044596	0.01213	9.34E-08	2.82E-07	2.23E-07	2.47E-11	5.96E-10	3.29E-11	6.5356E-10	1.514E-07	0.04459583	0.012129773	9.55518E-08	9.97561E-11	4.7693E-08	1.65971E-11
791	571119.2	4178366	9.17, 41783	10.01384	12.46582	9.59129	630.48898	206.62645	2115.5821	198.58486	83.22549	424.70779	5.48E-05	0.012087	0.002427	1.69E-08	5.11E-08	4.03E-08	4.47E-12	1.08E-10	5.96E-12	1.18334E-10	2.741E-08	0.01208697	0.002426719	1.73006E-08	1.80619E-11	8.6353E-09	3.00508E-12
792	571159.2	4178326	9.17, 41783	219.15803	19.05137	35.48029	3124.9508	277.70648	3646.5914	1560.39264	128.55095	753.34584	0.000203	0.020834	0.004306	6.26E-08	1.89E-07	1.49E-07	1.65E-11	3.99E-10	2.2E-11	4.37723E-10	1.014E-07	0.02083431	0.004306403	6.39959E-08	6.68117E-11	3.19424E-08	1.1116E-11
793	570808.8	4178465	8.82, 41784	10.95844	3.34212	2.15804	1253.90468	193.66587	956.23037	302.59047	56.7134	159.37173	1.23E-05	0.005464	0.000911	3.81E-09	1.15E-08	9.08E-09	1.01E-12	2.43E-11	1.34E-12	2.66297E-11	6.168E-09	0.00546353	0.000910984	3.89332E-09	4.06462E-12	1.94328E-09	6.76261E-13
794	570823.9	4178530	3.91, 41785	3.05561	3.25593	2.40542	358.64643	197.99385	1108.94733	70.39413	63.38636	140.39269	1.37E-05	0.006336	0.000802	4.24E-09	1.28E-08	1.01E-08	1.12E-12	2.71E-11	1.49E-12	2.96778E-11	6.874E-09	0.00633589	0.000802191	4.33895E-09	4.52986E-12	2.16571E-09	7.53666E-13
795	570883.3	4178602	3.31, 41786	3.07425	4.49746	2.05933	479.66242	287.53386	914.81532	94.76169	103.00469	119.05382	1.18E-05	0.005227	0.00068	3.63E-09	1.1E-08	8.66E-09	9.59E-13	2.32E-11	1.28E-12	2.54131E-11	5.886E-09	0.00522693	0.000680318	3.71545E-09	3.87893E-12	1.8545E-09	6.45365E-13
796	571181.5	4178310	1.45, 41783	77.30582	13.12592	35.80897	2585.53888	242.23364	1672.90767	872.95261	114.20023	513.62427	0.000205	0.009558	0.002936	6.31E-08	1.91E-07	1.51E-07	1.67E-11	4.03E-10	2.22E-11	4.4171E-10	1.023E-07	0.00955828	0.002935767	6.45788E-08	6.74203E-11	3.22334E-08	1.12172E-11
797	571067.8	4178207	7.83, 41782	5.36607	4.9243	1.64986	895.65181	299.02694	904.65641	223.56067	96.05921	144.20823	9.43E-06	0.005169	0.000824	2.91E-09	8.79E-09	6.94E-09	7.69E-13	1.86E-11	1.03E-12	2.03651E-11	4.717E-09	0.00516898	0.00082423	2.97741E-09	3.10842E-12	1.48612E-09	5.1717E-13
798	570799.9	4178447	9.89, 41784	4.88888	2.78293	1.75814	732.83791	152.28075	768.58836	142.77112	52.0733	124.31973	1E-05	0.004391	0.00071	3.1E-09	9.36E-09	7.4E-09	8.19E-13	1.98E-11	1.09E-12	2.16938E-11	5.025E-09	0.00439137	0.000710478	3.17168E-09	3.31124E-12	1.58309E-09	5.50914E-13

	Trenching	Grading	Stockpile
Emissions Rate (g/s):	8.61E-14	7.65E-13	3.10E-09

				Concentration [µg/m^3] at 1 g/s									Concentration (µg/m^3) Unmitigated			Unmitigated Residential Dose			Risk by Age Group				Unmitigated			Student Unmitigated		Worker Unmitigated	
#	X	Y	X,Y	Trenching Period	Grading Period	Stockpile Period	Treching 1hr	Grading 1hr	Stockpile 1hr	Trenching 8hr	Grading 8hr	Stockpile 8hr	Period Tota	1hr Total	8hr Total	3rd	0<2	2<9	3rd	0<2	2<9	Total Risk	Chronic	Acute	8hr	Dose	Risk	Dose	Risk
1	570310.6	4177919	0.55, 41779	0.08215	0.06425	0.08047	53.98877	25.74637	57.86027	6.7486	3.78109	7.23253	2.49E-10	1.79E-07	2.24E-08	7.7E-14	2.32E-13	1.84E-13	0	0	0	0	2.772E-13	8.5411E-12	2.2423E-08	7.87378E-14	0	3.93006E-14	0
2	570350.6	4177919	0.55, 41779	0.08744	0.06946	0.0859	61.34869	26.43683	62.74615	7.66859	3.66465	7.84327	2.66E-10	1.95E-07	2.43E-08	8.22E-14	2.48E-13	1.96E-13	0	0	0	0	2.959E-13	9.2623E-12	2.43168E-08	8.40512E-14	0	4.19526E-14	0
3	570390.6	4177919	0.55, 41779	0.09273	0.07514	0.09126	67.57642	27.23616	68.95787	8.44705	3.80844	8.61973	2.83E-10	2.14E-07	2.67E-08	8.73E-14	2.64E-13	2.08E-13	0	0	0	0	3.144E-13	1.0179E-11	2.67241E-08	8.92961E-14	0	4.45705E-14	0
4	570430.6	4177919	0.55, 41779	0.09799	0.08123	0.09661	71.34976	28.07066	72.35504	8.91872	4.01428	9.04438	3E-10	2.24E-07	2.8E-08	9.24E-14	2.79E-13	2.2E-13	0	0	0	0	3.328E-13	1.0681E-11	2.80407E-08	9.45314E-14	0	4.71836E-14	0
5	570470.6	4177919	0.55, 41779	0.10292	0.08757	0.10182	71.34124	28.88227	71.18869	8.91766	4.18506	8.89859	3.16E-10	2.21E-07	2.76E-08	9.74E-14	2.94E-13	2.32E-13	0	0	0	0	3.507E-13	1.0508E-11	2.75888E-08	9.96297E-14	0	4.97284E-14	0
6	570510.6	4177919	0.55, 41779	0.10719	0.09397	0.10631	70.57748	29.51269	72.86498	8.82218	4.31581	9.10812	3.3E-10	2.26E-07	2.82E-08	1.02E-13	3.07E-13	2.43E-13	0	0	0	0	3.662E-13	1.0756E-11	2.82381E-08	1.04024E-13	0	5.19216E-14	0
7	570550.6	4177919	0.55, 41779	0.11095	0.10041	0.10942	80.02506	30.00614	83.29269	10.00313	4.88273	10.41159	3.39E-10	2.58E-07	3.23E-08	1.05E-13	3.16E-13	2.5E-13	0	0	0	0	3.769E-13	1.2295E-11	3.22793E-08	1.07068E-13	0	5.3441E-14	0
8	570590.6	4177919	0.55, 41779	0.11537	0.10684	0.11183	81.14556	31.22548	84.40479	10.14319	5.49199	10.5506	3.47E-10	2.62E-07	3.27E-08	1.07E-13	3.23E-13	2.55E-13	0	0	0	0	3.852E-13	1.2459E-11	3.27102E-08	1.09427E-13	0	5.46185E-14	0
9	570630.6	4177919	0.55, 41779	0.12154	0.11343	0.11602	82.02682	32.76834	84.97635	10.54682	6.07261	10.62204	3.6E-10	2.63E-07	3.29E-08	1.11E-13	3.35E-13	2.65E-13	0	0	0	0	3.997E-13	1.2544E-11	3.2932E-08	1.13528E-13	0	5.66653E-14	0
10	570670.6	4177919	0.55, 41779	0.12896	0.11974	0.12346	90.28793	34.09351	94.2666	12.11861	6.60764	13.84836	3.83E-10	2.92E-07	4.29E-08	1.18E-13	3.57E-13	2.82E-13	0	0	0	0	4.253E-13	1.3915E-11	4.29333E-08	1.20808E-13	0	6.02989E-14	0
11	570710.6	4177919	0.55, 41779	0.13589	0.12543	0.13131	92.03158	38.34133	98.54944	11.50395	7.03486	13.72911	4.07E-10	3.05E-07	4.26E-08	1.26E-13	3.79E-13	3E-13	0	0	0	0	4.523E-13	1.4547E-11	4.25632E-08	1.28488E-13	0	6.41327E-14	0
12	570750.6	4177919	0.55, 41779	0.14097	0.13029	0.13561	98.93292	42.68075	106.54938	12.36662	7.25038	14.15663	4.2E-10	3.3E-07	4.39E-08	1.3E-13	3.92E-13	3.09E-13	0	0	0	0	4.672E-13	1.5728E-11	4.3889E-08	1.32696E-13	0	6.6233E-14	0
13	570790.6	4177919	0.55, 41779	0.1434	0.13429	0.137	101.78306	44.96916	112.12821	12.72288	7.16867	14.01603	4.25E-10	3.48E-07	4.35E-08	1.31E-13	3.96E-13	3.13E-13	0	0	0	0	4.719E-13	1.6552E-11	4.34535E-08	1.34057E-13	0	6.69122E-14	0
14	570830.6	4177919	0.55, 41779	0.14249	0.1373	0.1371	103.05806	46.92439	113.14313	12.88226	6.63254	14.14289	4.25E-10	3.51E-07	4.38E-08	1.31E-13	3.96E-13	3.13E-13	0	0	0	0	4.723E-13	1.6702E-11	4.38469E-08	1.34156E-13	0	6.69614E-14	0
15	570870.6	4177919	0.55, 41779	0.13915	0.13926	0.13269	113.81753	49.41272	127.10432	14.22719	6.17659	15.88804	4.11E-10	3.94E-07	4.93E-08	1.27E-13	3.83E-13	3.03E-13	0	0	0	0	4.571E-13	1.8762E-11	4.92571E-08	1.29842E-13	0	6.48082E-14	0
16	570910.6	4177919	0.55, 41779	0.13537	0.14116	0.12571	103.09741	52.00284	118.27061	16.13684	6.50036	14.78383	3.9E-10	3.67E-07	4.58E-08	1.2E-13	3.63E-13	2.87E-13	0	0	0	0	4.331E-13	1.7459E-11	4.58362E-08	1.23014E-13	0	6.14002E-14	0
17	570950.6	4177919	0.55, 41779	0.13129	0.14261	0.12523	128.63222	54.75687	154.09416	19.7206	7.6051	23.34348	3.88E-10	4.78E-07	7.24E-08	1.2E-13	3.62E-13	2.86E-13	0	0	0	0	4.314E-13	2.2746E-11	7.237E-08	1.22545E-13	0	6.1166E-14	0
18	570990.6	4177919	0.55, 41779	0.12715	0.1442	0.12572	126.51514	58.01026	163.29109	18.07359	9.36612	23.3273	3.9E-10	5.06E-07	7.23E-08	1.2E-13	3.63E-13	2.87E-13	0	0	0	0	4.331E-13	2.4104E-11	7.23184E-08	1.23024E-13	0	6.14054E-14	0
19	571030.6	4177919	0.55, 41779	0.12254	0.14609	0.11762	125.39004	62.99788	174.41478	17.19472	10.49965	21.80185	3.65E-10	5.41E-07	6.76E-08	1.13E-13	3.4E-13	2.68E-13	0	0	0	0	4.052E-13	2.5746E-11	6.75895E-08	1.15101E-13	0	5.74505E-14	0
20	571070.6	4177919	0.55, 41779	0.1201	0.14847	0.1104	126.80092	67.58831	177.9713	16.22667	10.87469	22.24641	3.42E-10	5.52E-07	6.9E-08	1.06E-13	3.19E-13	2.52E-13	0	0	0	0	3.803E-13	2.6271E-11	6.89666E-08	1.08038E-13	0	5.39254E-14	0
21	571110.6	4177919	0.55, 41779	0.1205	0.15044	0.10927	126.62476	68.47754	165.66905	20.2586	9.61445	20.70863	3.39E-10	5.14E-07	6.42E-08	1.05E-13	3.16E-13	2.49E-13	0	0	0	0	3.765E-13	2.4455E-11	6.42037E-08	1.06933E-13	0	5.33739E-14	0
22	571150.6	4177919	0.55, 41779	0.1212	0.15159	0.11602	131.66409	62.22893	172.39569	21.10658	9.19459	24.99313	3.6E-10	5.34E-07	7.75E-08	1.11E-13	3.35E-13	2.65E-13	0	0	0	0	3.997E-13	2.5448E-11	7.74842E-08	1.13537E-13	0	5.66699E-14	0
23	571190.6	4177919	0.55, 41779	0.12215	0.15198	0.11825	137.85581	66.48698	180.99172	19.69369	10.25241	26.94632	3.67E-10	5.61E-07	8.35E-08	1.13E-13	3.42E-13	2.7E-13	0	0	0	0	4.074E-13	2.6717E-11	8.35369E-08	1.15719E-13	0	5.77588E-14	0
24	571230.6	4177919	0.55, 41779	0.12354	0.15154	0.11348	148.65332	75.08948	179.38421	21.23619	9.50538	22.42303	3.52E-10	5.56E-07	6.95E-08	1.09E-13	3.28E-13	2.59E-13	0	0	0	0	3.91E-13	2.648E-11	6.95183E-08	1.11052E-13	0	5.54297E-14	0
25	571270.6	4177919	0.55, 41779	0.12544	0.15047	0.11372	135.01221	73.55453	181.97135	18.66937	9.80753	25.99591	3.53E-10	5.64E-07	8.06E-08	1.09E-13	3.29E-13	2.6E-13	0	0	0	0	3.918E-13	2.6861E-11	8.05903E-08	1.11287E-13	0	5.55468E-14	0
26	571310.6	4177919	0.55, 41779	0.12844	0.14895	0.1185	144.25948	74.57026	160.72945	18.03243	9.63087	20.79832	3.67E-10	4.98E-07	6.45E-08	1.13E-13	3.42E-13	2.7E-13	0	0	0	0	4.082E-13	2.3726E-11	6.44798E-08	1.15963E-13	0	5.78806E-14	0
27	571350.6	4177919	0.55, 41779	0.13264	0.1484	0.12186	134.13439	65.82548	182.86761	16.7668	8.49886	22.85845	3.78E-10	5.67E-07	7.09E-08	1.17E-13	3.52E-13	2.78E-13	0	0	0	0	4.198E-13	2.6993E-11	7.08641E-08	1.19249E-13	0	5.95212E-14	0
28	571390.6	4177919	0.55, 41779	0.13487	0.1464	0.12015	140.45529	51.40311	177.22554	17.55691	7.98518	22.15319	3.73E-10	5.49E-07	6.87E-08	1.15E-13	3.47E-13	2.74E-13	0	0	0	0	4.139E-13	2.616E-11	6.86788E-08	1.17576E-13	0	5.8686E-14	0
29	571430.6	4177919	0.55, 41779	0.14548	0.15293	0.12366	139.19794	49.3636	190.22803	17.39974	7.65374	23.7785	3.83E-10	5.9E-07	7.37E-08	1.18E-13	3.57E-13	2.82E-13	0	0	0	0	4.26E-13	2.8079E-11	7.37163E-08	1.21012E-13	0	6.04008E-14	0
30	571470.6	4177919	0.55, 41779	0.15916	0.16179	0.13045	134.87595	45.89373	190.37308	16.85949	6.86379	23.79664	4.04E-10	5.9E-07	7.38E-08	1.25E-13	3.77E-13	2.98E-13	0	0	0	0	4.494E-13	2.81E-11	7.37721E-08	1.27657E-13	0	6.37175E-14	0
31	571510.6	4177919	0.55, 41779	0.17426	0.17151	0.14116	122.2315	42.4201	161.48029	15.27894	5.85942	20.18504	4.38E-10	5.01E-07	6.26E-08	1.35E-13	4.08E-13	3.22E-13	0	0	0	0	4.863E-13	2.3836E-11	6.25766E-08	1.38136E-13	0	6.89483E-14	0
32	571550.6	4177919	0.55, 41779	0.18787	0.18026	0.15558	112.99449	35.73716	155.78517	14.12431	5.76206	19.47315	4.82E-10	4.83E-07	6.04E-08	1.49E-13	4.49E-13	3.55E-13	0	0	0	0	5.36E-13	2.2995E-11	6.03691E-08	1.52245E-13	0	7.59905E-14	0
33	571590.6	4177919	0.55, 41779	0.19949	0.18751	0.17419	94.68734	29.26563	123.69427	11.83592	5.30509	15.46178	5.4E-10	3.83E-07	4.79E-08	1.67E-13	5.03E-13	3.97E-13	0	0	0	0	6.001E-13	1.8258E-11	4.79339E-08	1.70453E-13	0	8.50784E-14	0
34	570310.6	4177959	0.55, 41779	0.08597	0.06676	0.0838	56.89619	26.25101	62.23098	7.11202	4.18522	7.77887	2.6E-10	1.93E-07	2.41E-08	8.02E-14	2.42E-13	1.91E-13	0	0	0	0	2.887E-13	9.1862E-12	2.41167E-08	8.19961E-14	0	4.09269E-14	0
35	570350.6	4177959	0.55, 41779	0.09204	0.07257	0.08995	58.96006	27.16756	63.77509	7.37001	4.19821	7.97189	2.79E-10	1.98E-07	2.47E-08	8.61E-14	2.6E-13	2.05E-13	0	0	0	0	3.098E-13	9.4141E-12	2.47152E-08	8.8014E-14	0	4.39306E-14	0
36	570390.6	4177959	0.55, 41779	0.09833	0.07904	0.09639	63.0038	28.02201	66.12463	7.87548	4.15896	8.26558	2.99E-10	2.05E-07	2.56E-08	9.22E-14	2.78E-13	2.2E-13	0	0	0	0	3.32E-13	9.761E-12	2.56259E-08	9.43156E-14	0	4.7076E-14	0
37	570430.6	4177959	0.55, 41779	0.10461	0.08611	0.10266	70.72142	28.76698	72.80329	8.84018	4.23038	9.10041	3.18E-10	2.26E-07	2.82E-08	9.82E-14	2.97E-13	2.34E-13	0	0	0	0	3.536E-13	1.0747E-11	2.82143E-08	1.00451E-13	0	5.01384E-14	0
38	570470.6	4177959	0.55, 41779	0.11098	0.09385	0.10929	78.78718	29.82596	80.74124	9.8484	4.47695	10.09265	3.39E-10	2.5E-07	3.13E-08	1.05E-13	3.16E-13	2.49E-13	0	0	0	0	3.765E-13	1.1918E-11	3.12906E-08	1.06939E-13	0	5.33767E-14	0
39	570510.6	4177959	0.55, 41779	0.1169	0.10189	0.11567	83.26174	30.87615	84.48278	10.40772	4.70339	10.56035	3.59E-10	2.62E-07	3.27E-08	1.11E-13	3.34E-13	2.64E-13	0	0	0	0	3.985E-13	1.2471E-11	3.27407E-08	1.13182E-13	0	5.6493E-14	0
40	570550.6	4177959	0.55, 41779	0.12213	0.11	0.12099	82.46075	31.83495	82.01237	10.30759	4.9071	10.25155	3.75E-10	2.54E-07	3.18E-08	1.16E-13	3.49E-13	2.76E-13	0	0	0	0	4.168E-13	1.2106E-11	3.17835E-08	1.18389E-13	0	5.90916E-14	0
41	570590.6	4177959	0.55, 41779	0.1275	0.1185	0.12492	87.61849	32.53805	91.54904	10.95231	5.6614	11.44363	3.87E-10	2.84E-07	3.55E-08	1.2E-13	3.61E-13	2.85E-13	0	0	0	0	4.303E-13	1.3514E-11	3.54789E-08	1.22236E-13	0	6.10117E-14	0
42	570630.6	4177959	0.55, 41779	0.13429	0.12721	0.12893	94.25098	33.95012	99.61773	11.78137	6.34882	12.45222	4E-10	3.09E-07	3.86E-08	1.23E-13	3.72E-13	2.94E-13	0	0	0	0	4.441E-13	1.4705E-11	3.86057E-08	1.26161E-13	0	6.29708E-14	0
43	570670.6	4177959	0.55, 41779	0.1434	0.13582	0.13624	91.47953	35.4429	96.20253	12.89467	6.97952	13.63762	4.22E-10	2.98E-07	4.23E-08	1.3E-13	3.94E-13	3.11E-13	0	0	0	0	4.693E-13	1.4201E-11	4.22808E-08	1.33314E-13	0	6.65413E-14	0
44	570710.6	4177959	0.55, 41779	0.15342	0.14402	0.1467	103.54122	38.62398	108.53691	12.94265	7.57754	15.98544	4.55E-10	3.36E-07	4.96E-08	1.4E-13	4.24E-13	3.35E-13	0	0	0	0	5.054E-13	1.6021E-11	4.95579E-08	1.43549E-13	0	7.16498E-14	0
45	570750.6	4177959	0.55, 41779	0.16261	0.1515	0.15549	105.52732	44.38977	114.23814	13.19092	8.09206	15.7724	4.82E-10	3.54E-07	4.89E-08	1.49E-13	4.49E-13	3.55E-13	0	0	0	0	5.356E-13	1.6863E-11	4.88978E-08	1.5215E-13	0	7.59428E-14	0
46	570790.6	4177959	0.55, 41779	0.16989	0.15823	0.16076	113.60479	47.24143	124.57926	14.2006	8.3928	15.57241	4.98E-10	3.86E-07	4.83E-08	1.54E-13	4.64E-13	3.67E-13	0	0	0	0	5.538E-13	1.839E-11	4.82788E-08	1.57307E-13	0	7.85169E-14	0
47	570830.6	4177959	0.55, 41779	0.1738	0.16401	0.16481	115.20896	49.45722	130.36471	14.40112	8.28774	16.29559	5.11E-10	4.04E-07	5.05E-08	1.58E-13	4.76E-13	3.76E-13	0	0	0	0	5.677E-13	1.9243E-11	5.05205E-08	1.6127E-13	0	8.04952E-14	0
48	570870.6	4177959	0.55, 41779	0.17339	0.16851	0.16469	122.33209	52.01335	138.82114	15.29151	7.46689	17.35264	5.11E-10	4.3E-07	5.38E-08	1.58E-13	4.76E-13	3.76E-13	0	0	0	0	5.673E-13	2.0492E-11	5.37976E-08	1.61154E-13	0	8.04371E-14	0
49	570910.6	4177959	0.55, 41779	0.16973	0.17204	0.1579	128.70888	55.67631	149.19916	16.08861	6.95954	18.64989	4.9E-10	4.62E-07	5.78E-08	1.51E-13	4.56E-13	3.6E-13	0	0	0	0	5.44E-13	2.2024E-11	5.78191E-08	1.54512E-13	0	7.71221E-14	0
50	570950.6	4177959	0.55, 41779	0.16375	0.1746	0.15354	137.78687	58.35606	146.62449	21.41966	8.40086	22.62642	4.76E-10	4.55E-07	7.01E-08	1.47E-13	4.44E-13	3.5E-13	0	0	0	0	5.289E-13	2.1644E-11	7.01489E-08	1.50248E-13	0	7.49934E-14	0
51	570990.6	4177959	0.55, 41779	0.1571	0.17611	0.15296	148.41379	62.43724	189.01685	21.20197	10.20575	28.13097	4.74E-10	5.86E-07	8.72E-08	1.46E-13	4.42E-13	3.49E-13	0	0	0	0	5.269E-13	2.7901E-11	8.721E-08	1.4968E-13	0	7.47103E-14	0
52	571030.6	4177959	0.55, 41779	0.15135	0.1787	0.14372	141.29712	68.4386	198.29024	19.05284	11.40643	25.9054	4.46E-10	6.15E-07	8.03E-08	1.38E-13	4.15E-13	3.28E-13	0	0	0	0	4.951E-13	2.927E-11	8.03101E-08	1.40642E-13	0	7.01989E-14	0
53	571070.6	4177959	0.55, 41779	0.14838	0.1815	0.13361	143.49488	74.36914	202.29359	18.79197	11.80682	25.2867	4.14E-10	6.27E-07	7.84E-08	1.28E-13	3.86E-13	3.05E-13	0	0	0	0	4.603E-13	2.9861E-11	7.83922E-08	1.30752E-13	0	6.52627E-14	0
54	571110.6	4177959	0.55, 41779	0.14858	0.18375	0.13332	140.62761	73.34522	192.64407	22.74237	10.22286	24.08051	4.13E-10	5.97E-07	7.47E-08	1.28E-13	3.85E-13	3.04E-13	0	0	0	0	4.593E-13	2.8437E-11	7.46569E-08	1.30469E-13	0	6.51213E-14	0
55	571150.6	4177959	0.55, 41779	0.14994	0.18566	0.14292	146.3467	67.83983	199.40983	22.92053	11.48399	30.37919	4.43E-10	6.18E-07	9.42E-08	1.37E-13	4.13E-13	3.26E-13	0	0	0	0	4.924E-13	2.9435E-11	9.41799E-08	1.39861E-13	0	6.98091E-14	0
56	571190.6	4177959	0.55, 41779	0.1525	0.18616	0.14359	161.89014	78.97315	204.49698	23.12716	11.84075	29.21385	4.45E-10	6.34E-07	9.06E-08	1.37E-13	4.15E-13	3.28E-13	0	0	0	0	4.947E-13	3.0186E-11	9.05681E-08	1.40517E-13	0	7.01363E-14	0
57	571230.6	4177959	0.55, 41779	0.15542	0.18516	0.1383	156.07845	81.92899	197.17574	22.29692	11.22006	24.64697	4.29E-10	6.11E-07	7.64E-08	1.32E-13	4E-13	3.16E-13	0	0	0	0	4.765E-13	2.9106E-11	7.64123E-08	1.35341E-13	0	6.75532E-14	0
58	571270.6	4177959	0.55, 41779	0.15909	0.18379	0.14205	158.42767	82.70179	205.30007	19.80346	11.54254	29.32858	4.4E-10	6.36E-07	9.09E-08	1.36E-13	4.1E-13	3.24E-13	0	0	0	0	4.894E-13	3.0305E-11	9.09209E-08	1.3901E-13	0	6.93842E-14	0
59	571310.6	4177959	0.55, 41779	0.1655	0.18382	0.1484	150.26158	75.50789	204.0765	18.7827	10.48328	25.50956	4.6E-10	6.33E-07	7.91E-08	1.42E-13	4.29E-13	3.39E-13	0	0	0	0	5.112E-13	3.0124E-11	7.90829E-08	1.45222E-13	0	7.24848E-14	0
60	571350.6	4177959	0.55, 41779	0.17654	0.1881	0.15257	154.82597	60.83045	189.56737	19.35325	9.71095	23.69592	4.73E-10	5.88E-07	7.35E-08	1.46E-13	4.41E-13	3.48E-13	0	0	0	0	5.256E-13	2.7982E-11	7.3462E-08	1.49302E-13	0	7.45216E-14	0
61	571390.6	4177959	0.55, 41779	0.18842	0.1934	0.15428	152.92189	54.55359	214.59873	19.11524	9.16318	26.82484	4.78E-10	6.65E-07	8.32E-08	1.48E-13	4.46E-13	3.52E-13	0	0	0	0	5.315E-13	3.1676E-11	8.31599E-08	1.50977E-13	0	7.53573E-14	0
62	571430.6	4177959	0.55, 41779	0.20645	0.20414	0.16292	148.33328	50.38722	217.66749	18.54166	8.09078	27.20844	5.05E-10	6.75E-07	8.43E-08	1.56E-13	4.71E-13	3.72E-13	0	0	0	0	5.613E-13	3.2129E-11	8.43484E-08	1.59432E-13	0	7.95776E-14	0
63	571470.6	4177959	0.55, 41779	0.22554	0.21577	0.17809	134.13897	46.24246	185.84967	16.76737	6.92684	23.23121	5.52E-10	5.76E-07	7.2E-08	1.7E-13	5.14E-13	4.06E-13	0	0	0	0	6.135E-13	2.7433E-11	7.20195E-08	1.74275E-13	0	8.69864E-14	0
64	571510.6	4177959	0.55, 41779	0.24332	0.22654	0.20114	122.33786	38.55117	174.21255	15.29223	6.75463	21.77657	6.24E-10	5.4E-07	6.75E-08	1.92E-13	5.81E-13	4.59E-13	0	0	0	0	6.929E-13	2.5715E-11	6.75095E-08	1.96827E-13	0	9.82428E-14	0
65	571550.6	4177959	0.55, 41779	0.25539	0.23344	0.22684	100.38932	31.1899	131.18831	12.54867	6.13877	16.39854	7.03E-10	4.07E-07	5.08E-08	2.17E-13	6.55E-13	5.18E-13	0	0	0	0	7.814E-13	1.9364E-11	5.0838E-08	2.2197E-13	0	1.10793E-13	0
66	571590.6	4177959	0.55, 41779	0.26174	0.2364	0.25018	103.20811	24.1035	113.64553	12.90101	5.55119	14.20569	7.76E-10	3.52E-07	4.4E-08	2.39E-13	7.23E-13	5.71E-13	0	0	0	0	8.618E-13	1.6775E-11	4.40415E-08	2.44804E-13	0	1.22189E-13	0
67	570310.6	4177999	0.55, 41779	0.08992	0.06909	0.08739	61.55411	26.71644	63.33313	7.69426	4.42886	7.91664	2.71E-10	1.96E-07	2.45E-08	8.36E-14	2.52E-13	1.99E-13	0	0	0	0	3.01E-13	9.3489E-12	2.45442E-08	8.55087E-14	0	4.26801E-14	0
68	570350.6	4177999	0.55, 41779	0.09687	0.07551	0.09431	63.16088	27.72336	68.96816	7.89511	4.52605	8.62102	2.92E-10	2.14E-07	2.67E-08	9.02E-14	2.72E-13	2.15E-13	0	0	0	0	3.249E-13	1.0181E-11	2.67276E-08	9.228E-14	0	4.60599E-14	0
69	570390.6	4177999	0.55, 41779	0.10411	0.08268	0.10154	65.18315	28.66629	70.59128	8.14789	4.5901	8.82391	3.15E-10	2.19E-07	2.74E-08	9.71E-14	2.93E-13	2.32E-13	0	0	0	0	3.498E-13	1.042E-11	2.73567E-08	9.93547E-14	0	4.95911E-14	0
70	570430.6	4177999	0.55, 41779	0.11178	0.0909	0.10932	69.77828	29.77159	73.90272	8.72229	4.64595	9.23784	3.39E-10	2.29E-07	2.86E-08	1.05E-13	3.16E-13	2.49E-13	0	0	0	0	3.766E-13	1.0909E-11	2.86401E-08	1.06968E-13	0	5.3391E-14	0
71	570470.6	4177999	0.55, 41779	0.11947	0.09994	0.11702	73.23749	30.82615	79.61188	9.15469	4.70414	9.95148	3.63E-10	2.47E-07	3.09E-08	1.12E-13	3.38E-13	2.67E-13	0	0	0	0	4.031E-13	1.1752E-11	3.08524E-08	1.14503E-13	0	5.71519E-14	0
72	570510.6	4177999	0.55, 41779	0.12689	0.1096	0.1248	83.36058	31.87471	86.19643	10.42007	5.00665	10.77455	3.87E-10	2.67E-07	3.34E-08	1.19E-13	3.6E-13	2.85E-13	0	0	0	0	4.299E-13	1.2724E-11	3.34046E-08	1.22116E-13	0	6.0952E-14	0
73	570550.6	4177999	0.55, 41779	0.1338	0.11968	0.13227	93.92369	33.13511	96.59692	11.74046	5.30601	12.07462	4.1E-10	2.99E-07	3.74E-08	1.27E-13	3.82E-13	3.02E-13	0	0	0	0	4.556E-13	1.4259E-11	3.74353E-08	1.29426E-13	0	6.46007E-14	0
74	570590.6	4177999	0.55, 41779	0.14077	0.13095	0.13895	98.98148	34.43475	100.81152	12.37268	5.77536	12.60144	4.31E-10	3.13E-07	3.91E-08	1.33E-13	4.01E-13	3.17E-13	0	0	0	0	4.787E-13	1.4881E-11	3.90687E-08	1.35964E-13	0	6.78639E-14	0
75	570630.6	4177999	0.55, 41779	0.14863	0.14246	0.14416	96.29887	35.58815	97.29546	12.03736	6.62596	12.16193	4.47E-10	3.02E-07	3.77E-08	1.38E-13	4.16E-13	3.29E-13	0	0	0	0	4.966E-13	1.4362E-11	3.77062E-08	1.41064E-13	0	7.04093E-14	0
76	570670.6	4177999	0.55, 41779	0.15906	0.15417	0.15133	108.0953	37.02771	115.61321	13.51191	7.37805	14.45165	4.69E-10	3.58E-07	4.48E-08	1.45E-13	4.37E-13	3.45E-13	0	0	0	0	5.213E-13	1.7066E-11	4.48044E-08	1.48081E-13	0	7.39118E-14	0
77	570710.6	4177999	0.55, 41779	0.17207	0.16581	0.16328	109.21603	39.28347	116.55796	14.39109	8.06843	17.60456	5.06E-10	3.61E-07	5.46E-08	1.56E-13	4.72E-13	3.73E-13	0	0	0	0	5.625E-13	1.7205E-11	5.45776E-08	1.59774E-13	0	7.97483E-14	0
78	570750.6	4177999	0.55, 41779	0.18601	0.17706	0.17647	119.66853	46.10023	126.10142	14.95857	8.7788	16.77146	5.47E-10	3.91E-07	5.2E-08	1.69E-13	5.1E-13	4.03E-13	0	0	0	0	6.079E-13	1.8614E-11	5.19959E-08	1.7268E-13	0	8.61902E-14	0
79	570790.6	4177999	0.55, 41779	0.19953	0.18772	0.18696	122.67556	49.8289	134.57394	15.33445	9.45426	16.82174	5.8E-10	4.17E-07	5.22E-08	1.79E-13	5.4E-13	4.27E-13	0	0	0	0	6.44E-13	1.9865E-11	5.21521E-08	1.82945E-13	0	9.13137E-14	0
80	570830.6	4177999	0.55, 41779	0.21109	0.19773	0.1968	133.54261	52.4094	148.58094	16.69283	9.90962	18.57262	6.1E-10	4.61E-07	5.76E-08	1.88E-13	5.68E-13	4.49E-13	0	0	0	0	6.779E-13	2.1932E-11	5.75801E-08	1.92574E-13	0	9.61197E-14	0
81	570870.6	4177999	0.55, 41779	0.21804	0.20674	0.20398	131.45449	55.15858	156.57352	16.43181	9.77159	19.57169	6.32E-10	4.85E-07	6.07E-08	1.95E-13	5.89E-13	4.65E-13	0	0	0	0	7.027E-13	2.3112E-11	6.06765E-08	1.996E-13	0	9.96268E-14	0
82	570910.6	4177999	0.55, 41779	0.21803	0.21414	0.20286	148.11273	59.13207	173.84644	18.51409	8.43226	21.73081	6.29E-10	5.39E-07	6.74E-08	1.94E-13	5.86E-13	4.63E-13	0	0	0	0	6.988E-13	2.5662E-11	6.73704E-08	1.98506E-13	0	9.90808E-14	0
83	570950.6	4177999	0.55, 41779	0.2114	0.21889	0.19586	140.12444	63.58464	170.21851	21.83562	9.32684	21.27731	6.07E-10	5.28E-07	6.6E-08	1.87E-13	5.66E-13	4.47E-13	0	0	0	0	6.747E-13	2.5126E-11	6.59677E-08	1.91659E-13	0	9.56633E-14	0
84	570990.6	4177999	0.55, 41779	0.2013	0.22185	0.19061	171.25011	67.61488	221.4052	25.43318	11.18299	33.45295	5.91E-10	6.86E-07	1.04E-07	1.82E-13	5.51E-13	4.35E-13	0	0	0	0	6.566E-13	3.2682E-11	1.03709E-07	1.86524E-13	0	9.31001E-14	0
85	571030.6	4177999	0.55, 41779	0.19301	0.22456	0.1804	161.4506	75.02365	233.40135	21.94671	12.50394	33.34305	5.59E-10	7.23E-07	1.03E-07	1.73E-13	5.21E-13	4.12E-13	0	0	0	0	6.215E-13	3.4452E-11	1.03366E-07	1.76536E-13	0	8.8115E-14	0
86	571070.6	4177999	0.55, 41779	0.18927	0.22808	0.16676	165.36156	82.48884	231.46597	21.97245	12.95225	28.93325	5.17E-10	7.18E-07	8.97E-08	1.6E-13	4.82E-13	3.81E-13	0	0	0	0	5.745E-13	3.4167E-11	8.96974E-08	1.63194E-13	0	8.14552E-14	0
87	571110.6	4177999	0.55, 41779	0.18141	0.21619	0.16049	158.60632	80.72549	237.56536	25.62624	11.81551	29.69982	4.98E-10	7.36E-07	9.21E-08	1.54E-13	4.64E-13	3.66E-13	0	0	0	0	5.529E-13	3.5067E-11	9.20765E-08	1.57057E-13	0	7.83922E-14	0
88	571150.6	4177999	0.55, 41779	0.19202	0.23351	0.18032	164.05988	80.42402	231.86209	24.96785	14.13496	37.65816	5.59E-10	7.19E-07	1.17E-07	1.73E-13	5.21E-13	4.11E-13	0	0	0	0	6.212E-13	3.4225E-11	1.16743E-07	1.7646E-13	0	8.8077E-14	0
89	571190.6	4177999	0.55, 41779	0.1978	0.23414	0.17819	182.21875	91.74664	241.78028	26.03125	13.21695	31.92825	5.52E-10	7.49E-07	9.9E-08	1.7E-13	5.15E-13	4.07E-13	0	0	0	0	6.139E-13	3.569E-11	9.89838E-08	1.74377E-13	0	8.70371E-14	0
90	571230.6	4177999	0.55, 41779	0.20367	0.23289	0.17473	172.67663	91.69738	231.55794	22.62496	13.85272	33.07971	5.42E-10	7.18E-07	1.03E-07	1.67E-13	5.05E-13	3.99E-13	0	0	0	0	6.02E-13	3.4181E-11	1.0255E-07	1.70992E-13	0	8.53476E-14	0
91	571270.6	4177999	0.55, 41779	0.21358	0.23476	0.18394	171.66845	86.35935	210.57834	21.45856	13.01074	28.58393	5.7E-10	6.53E-07	8.86E-08	1.76E-13	5.31E-13	4.2E-13	0	0	0	0	6.337E-13	3.1084E-11	8.86142E-08	1.80002E-13	0	8.9845E-14	0
92	571310.6	4177999	0.55, 41779	0.23025	0.24083	0.19159	171.26207	72.34733	231.62674	21.40776	11.81711	28.95334	5.94E-10	7.18E-07	8.98E-08	1.83E-13	5.53E-13	4.37E-13	0	0	0	0	6.6E-13	3.419E-11	8.97592E-08	1.87488E-13	0	9.35813E-14	0
93	571350.6	4177999	0.55, 41779	0.25373	0.25254	0.198	169.27826	60.68614	249.61103	21.15978	11.13084	31.20138	6.14E-10	7.74E-07	9.67E-08	1.89E-13	5.72E-13	4.52E-13	0	0	0	0	6.821E-13	3.6844E-11	9.67268E-08	1.93762E-13	0	9.67129E-14	0
94	571390.6	4177999	0.55, 41779	0.27999	0.26698	0.21185	164.13881	55.69534	253.30621	20.51735	9.69774	31.66328	6.57E-10	7.85E-07	9.82E-08	2.03E-13	6.12E-13	4.83E-13	0	0	0	0	7.298E-13	3.739E-11	9.81579E-08	2.07315E-13	0	1.03478E-13	0
95	571430.6	4177999	0.55, 41779	0.30187	0.27888	0.2328	148.06777	50.74185	217.39094	18.50847	8.30154	27.17387	7.22E-10	6.74E-07	8.42E-08	2.23E-13	6.73E-13	5.31E-13	0	0	0	0	8.02E-13	3.2088E-11	8.42412E-08	2.27813E-13	0	1.13709E-13	0
96	571470.6	4177999	0.55, 41779	0.32222	0.29016	0.268	133.22849	41.8567	195.88733	16.65356	8.00082	24.48592	8.31E-10	6.07E-07	7.59E-08	2.56E-13	7.74E-13	6.12E-13	0	0	0	0	9.232E-13	2.8914E-11	7.59083E-08	2.62251E-13	0	1.30898E-13	0
97	571510.6	4177999	0.55, 41779	0.33311	0.29527	0.30394	113.25391	33.39085	138.27651	14.15674	7.16119	17.28456	9.42E-10	4.29E-07	5.36E-08	2.91E-13	8.78E-13	6.94E-13	0	0	0	0	1.047E-12	2.0411E-11	5.35856E-08	2.97411E-13	0	1.48447E-13	0
98	571550.6	4177999	0.55, 41779	0.33431	0.29408	0.33024	118.79132	25.19774	142.42424	14.84891	6.75336	17.80303	1.02E-09	4.41E-07	5.52E-08	3.16E-13	9.54E-13	7.54E-13	0	0	0	0	1.138E-12	2.1023E-11	5.51932E-08	3.23139E-13	0	1.61289E-13	0
99	571590.6	4177999	0.55, 41779	0.32897	0.28857	0.34209	117.12124	19.87515	150.29933	14.64016	6.7762	18.78742	1.06E-09	4.66E-07	5.82E-08	3.27E-13	9.88E-13	7.81E-13	0	0	0	0	1.178E-12	2.2185E-11	5.82441E-08	3.34729E-13	0	1.67074E-13	0
100	570310.6	4178039	0.55, 41780	0.09395	0.07118	0.09114	60.38117	27.45867	68.75884	7.54765	4.57644	8.59485	2.83E-10	2.13E-07	2.66E-08	8.72E-14	2.63E-13	2.08E-13	0	0	0	0	3.139E-13	1.015E-11	2.66462E-08	8.91778E-14	0	4.45115E-14	0
101	570350.6	4178039	0.55, 41780	0.10181	0.07823	0.09867	67.40685	28.30867	69.9761	8.42586	4.71811	8.74701	3.06E-10	2.17E-07	2.71E-08	9.44E-14	2.85E-13	2.25E-13	0	0	0	0	3.399E-13	1.0329E-11	2.71185E-08	9.6546E-14	0	4.81892E-14	0
102	570390.6	4178039	0.55, 41780	0.11033	0.08626	0.10708	70.86935	29.39362	77.00767	8.85867	4.86131	9.62596	3.32E-10	2.39E-07	2.98E-08	1.02E-13	3.09E-13	2.44E-13	0	0	0	0	3.689E-13	1.1367E-11	2.98432E-08	1.04775E-13	0	5.22967E-14	0
103	570430.6	4178039	0.55, 41780	0.11935	0.09539	0.11615	72.77771	30.53752	78.92837	9.09721	4.99157	9.86605	3.6E-10	2.45E-07	3.06E-08	1.11E-13	3.36E-13	2.65E-13	0	0	0	0	4.001E-13	1.1651E-11	3.05876E-08	1.1365E-13	0	5.67266E-14	0
104	570470.6	4178039	0.55, 41780	0.12876	0.10583	0.1256	77.88414	31.78332	83.40463	9.73552	5.12346	10.42558	3.89E-10	2.59E-07	3.23E-08	1.2E-13	3.63E-13	2.87E-13	0	0	0	0	4.327E-13	1.2312E-11	3.23224E-08	1.22898E-13	0	6.13422E-14	0
105	570510.6	4178039	0.55, 41780	0.13797	0.11733	0.13491	81.61557	33.05226	90.60057	10.20195	5.27698	11.32507	4.18E-10	2.81E-07	3.51E-08	1.29E-13	3.9E-13	3.08E-13	0	0	0	0	4.647E-13	1.3374E-11	3.51108E-08	1.32008E-13	0	6.58896E-14	0
106	570550.6	4178039	0.55, 41780	0.14677	0.12979	0.14418	83.22783	34.40977	92.92473	10.40348	5.64664	11.61559	4.47E-10	2.88E-07	3.6E-08	1.38E-13	4.16E-13	3.29E-13	0	0	0	0	4.967E-13	1.3717E-11	3.60114E-08	1.4108E-13	0	7.04175E-14	0
107	570590.6	4178039	0.55, 41780	0.15543	0.14397	0.15331	100.7883	35.81672	104.85134	12.59854	6.05306	13.10642	4.75E-10	3.25E-07	4.06E-08	1.47E-13	4.43E-13	3.5E-13	0	0	0	0	5.281E-13	1.5477E-11	4.06341E-08	1.50015E-13	0	7.48773E-14	0
108	570630.6	4178039	0.55, 41780	0.16446	0.15887	0.16086	114.63184	37.47906	118.86748	14.32898	6.85921	14.85844	4.99E-10	3.68E-07	4.61E-08	1.54E-13	4.65E-13	3.67E-13	0	0	0	0	5.541E-13	1.7546E-11	4.6066E-08	1.57405E-13	0	7.85657E-14	0
109	570670.6	4178039	0.55, 41780	0.17604	0.17458	0.16859	120.19022	39.09251	122.97013	15.02378	7.81169	15.37127	5.23E-10	3.81E-07	4.77E-08	1.61E-13	4.87E-13	3.85E-13	0	0	0	0	5.808E-13	1.8152E-11	4.76561E-08	1.64971E-13	0	8.23422E-14	0
110	570710.6	4178039	0.55, 41780	0.19156	0.191	0.18153	122.05191	40.81454	130.55962	15.86896	8.63568	17.88475	5.63E-10	4.05E-07	5.54E-08	1.74E-13	5.24E-13	4.14E-13	0	0	0	0	6.254E-13	1.9272E-11	5.54473E-08	1.77634E-13	0	8.86627E-14	0
111	570750.6	4178039	0.55, 41780	0.2105	0.20761	0.19902	132.53323	47.68084	144.79481	16.56665	9.43658	19.64627	6.17E-10	4.49E-07	6.09E-08	1.9E-13	5.75E-13	4.54E-13	0	0	0	0	6.856E-13	2.1373E-11	6.09078E-08	1.94748E-13	0	9.72049E-14	0
112	570790.6	4178039	0.55, 41780	0.23169	0.22417	0.21523	139.552	52.7884	147.64201	17.444	10.33029	19.40572	6.67E-10	4.58E-07	6.02E-08	2.06E-13	6.22E-13	4.91E-13	0	0	0	0	7.414E-13	2.1794E-11	6.01629E-08	2.1061E-13	0	1.05122E-13	0
113	570830.6	4178039	0.55, 41780	0.25382	0.24067	0.23208	145.24751	55.81087	161.73262	18.15594	11.28689	20.21658	7.2E-10	5.01E-07	6.27E-08	2.22E-13	6.7E-13	5.3E-13	0	0	0	0	7.995E-13	2.3874E-11	6.26768E-08	2.27098E-13	0	1.13352E-13	0
114	570870.6	4178039	0.55, 41780	0.27385	0.25672	0.25028	159.27674	59.06353	181.66903	19.90959	12.04587	22.70863	7.76E-10	5.63E-07	7.04E-08	2.39E-13	7.23E-13	5.71E-13	0	0	0	0	8.622E-13	2.6816E-11	7.04024E-08	2.44907E-13	0	1.22241E-13	0
115	570910.6	4178039	0.55, 41780	0.28498	0.272	0.26185	154.31681	63.03506	190.144	19.2896	11.80173	23.768	8.12E-10	5.89E-07	7.37E-08	2.51E-13	7.56E-13	5.97E-13	0	0	0	0	9.02E-13	2.8067E-11	7.36854E-08	2.56229E-13	0	1.27892E-13	0
116	570950.6	4178039	0.55, 41780	0.28313	0.28254	0.2606	178.15221	69.82475	214.80591	22.26903	10.41815	26.85074	8.08E-10	6.66E-07	8.32E-08	2.49E-13	7.53E-13	5.95E-13	0	0	0	0	8.977E-13	3.1708E-11	8.32429E-08	2.55009E-13	0	1.27283E-13	0
117	570990.6	4178039	0.55, 41780	0.27042	0.28832	0.24711	188.87787	74.10995	223.28286	29.14051	12.35166	34.29706	7.66E-10	6.92E-07	1.06E-07	2.36E-13	7.14E-13	5.64E-13	0	0	0	0	8.513E-13	3.2959E-11	1.06329E-07	2.41813E-13	0	1.20697E-13	0
118	571030.6	4178039	0.55, 41780	0.25749	0.29249	0.23391	188.96663	83.29257	277.8919	26.99523	13.88209	39.69884	7.25E-10	8.61E-07	1.23E-07	2.24E-13	6.76E-13	5.34E-13	0	0	0	0	8.058E-13	4.1019E-11	1.2307E-07	2.28901E-13	0	1.14252E-13	0
119	571070.6	4178039	0.55, 41780	0.25163	0.29646	0.21613	192.59035	92.57991	271.23553	26.01862	14.40126	34.27332	6.7E-10	8.41E-07	1.06E-07	2.07E-13	6.24E-13	4.93E-13	0	0	0	0	7.446E-13	4.0037E-11	1.06252E-07	2.11506E-13	0	1.05571E-13	0
120	571110.6	4178039	0.55, 41780	0.23996	0.28057	0.20816	179.79911	89.13384	295.00102	29.33997	15.522	36.88643	6.45E-10	9.14E-07	1.14E-07	1.99E-13	6.01E-13	4.75E-13	0	0	0	0	7.171E-13	4.3545E-11	1.14355E-07	2.03708E-13	0	1.01677E-13	0
121	571150.6	4178039	0.55, 41780	0.25767	0.30302	0.23363	202.30498	100.11261	284.90591	28.90071	16.95197	47.48432	7.24E-10	8.83E-07	1.47E-07	2.24E-13	6.75E-13	5.33E-13	0	0	0	0	8.049E-13	4.2055E-11	1.47202E-07	2.2863E-13	0	1.14116E-13	0
122	571190.6	4178039	0.55, 41780	0.27122	0.30641	0.22867	194.68377	101.89225	297.80862	27.81197	16.7188	37.22608	7.09E-10	9.23E-07	1.15E-07	2.19E-13	6.61E-13	5.22E-13	0	0	0	0	7.878E-13	4.396E-11	1.15406E-07	2.23779E-13	0	1.11695E-13	0
123	571230.6	4178039	0.55, 41780	0.28804	0.31092	0.2326	196.84209	99.06119	294.63263	24.60526	16.26482	42.09038	7.21E-10	9.13E-07	1.3E-07	2.23E-13	6.72E-13	5.31E-13	0	0	0	0	8.013E-13	4.3491E-11	1.3048E-07	2.27625E-13	0	1.13615E-13	0
124	571270.6	4178039	0.55, 41780	0.31661	0.32283	0.24843	191.8709	85.51951	280.99547	23.98386	14.63938	35.12443	7.7E-10	8.71E-07	1.09E-07	2.38E-13	7.18E-13	5.67E-13	0	0	0	0	8.559E-13	4.1478E-11	1.08889E-07	2.43114E-13	0	1.21346E-13	0
125	571310.6	4178039	0.55, 41780	0.35598	0.34149	0.26147	189.38373	68.10225	290.04443	23.67297	13.72977	36.25555	8.11E-10	8.99E-07	1.12E-07	2.5E-13	7.55E-13	5.97E-13	0	0	0	0	9.008E-13	4.2812E-11	1.12394E-07	2.55876E-13	0	1.27716E-13	0
126	571350.6	4178039	0.55, 41780	0.39399	0.35989	0.2835	182.95784	62.01914	299.45287	22.86973	11.81322	37.43161	8.79E-10	9.28E-07	1.16E-07	2.71E-13	8.19E-13	6.47E-13	0	0	0	0	9.767E-13	4.4201E-11	1.16039E-07	2.77433E-13	0	1.38475E-13	0
127	571390.6	4178039	0.55, 41780	0.4222	0.3733	0.32107	164.47464	56.17724	258.72398	20.55933	10.13431	32.3405	9.95E-10	8.02E-07	1E-07	3.07E-13	9.28E-13	7.33E-13	0	0	0	0	1.106E-12	3.8189E-11	1.00257E-07	3.1419E-13	0	1.56822E-13	0
128	571430.6	4178039	0.55, 41780	0.44026	0.38105	0.3744	146.31006	45.8458	221.86738	18.28876	9.60517	27.73342	1.16E-09	6.88E-07	8.6E-08	3.58E-13	1.08E-12	8.54E-13	0	0	0	0	1.29E-12	3.2749E-11	8.59754E-08	3.66362E-13	0	1.82863E-13	0
129	571470.6	4178039	0.55, 41780	0.44344	0.3799	0.42037	134.05635	35.96521	154.66668	16.75704	8.42199	19.33334	1.3E-09	4.79E-07	5.99E-08	4.02E-13	1.21E-12	9.59E-13	0	0	0	0	1.448E-12	2.283E-11	5.9938E-08	4.11332E-13	0	2.05309E-13	0
130	571510.6	4178039	0.55, 41780	0.43369	0.37075	0.44522	135.2804	26.4112	176.84451	16.91005	8.14543	22.10556	1.38E-09	5.48E-07	6.85E-08	4.26E-13	1.29E-12	1.02E-12	0	0	0	0	1.534E-12	2.6103E-11	6.85306E-08	4.35639E-13	0	2.17442E-13	0
131	571550.6	4178039	0.55, 41780	0.4157	0.35641	0.44493	128.00174	25.24959	172.96462	16.00022	7.84928	21.62058	1.38E-09	5.36E-07	6.7E-08	4.26E-13	1.29E-12	1.02E-12	0	0	0	0	1.533E-12	2.553E-11	6.70267E-08	4.35352E-13	0	2.17298E-13	0
132	571590.6	4178039	0.55, 41780	0.38889	0.33646	0.4222	114.21376	28.264	151.26331	14.27672	7.21894	18.90791	1.31E-09	4.69E-07	5.86E-08	4.04E-13	1.22E-12	9.63E-13	0	0	0	0	1.454E-12	2.2327E-11	5.86173E-08	4.13111E-13	0	2.06197E-13	0
133	570310.6	4178079	0.55, 41780	0.09792	0.07296	0.09477	71.40728	28.01469	77.09789	8.92591	4.66912	9.63724	2.94E-10	2.39E-07	2.99E-08	9.07E-14	2.74E-13	2.16E-13	0	0	0	0	3.264E-13	1.1381E-11	2.98782E-08	9.27294E-14	0	4.62842E-14	0
134	570350.6	4178079	0.55, 41780	0.1067	0.08065	0.10312	70.03301	29.10671	80.22931	8.75413	4.85112	10.02866	3.2E-10	2.49E-07	3.11E-08	9.87E-14	2.98E-13	2.35E-13	0	0	0	0	3.552E-13	1.1843E-11	3.10913E-08	1.009E-13	0	5.03624E-14	0
135	570390.6	4178079	0.55, 41780	0.11641	0.08948	0.11242	73.93226	30.15719	77.81828	9.24153	5.0262	9.72728	3.49E-10	2.41E-07	3.02E-08	1.08E-13	3.25E-13	2.57E-13	0	0	0	0	3.872E-13	1.1487E-11	3.01576E-08	1.1E-13	0	5.49045E-14	0
136	570430.6	4178079	0.55, 41780	0.12715	0.09969	0.12302	79.99098	31.34254	86.52141	9.99887	5.20891	10.81518	3.81E-10	2.68E-07	3.35E-08	1.18E-13	3.55E-13	2.81E-13	0	0	0	0	4.238E-13	1.2772E-11	3.35302E-08	1.20372E-13	0	6.00817E-14	0
137	570470.6	4178079	0.55, 41780	0.13857	0.11144	0.13449	81.53824	32.65768	88.86509	10.19228	5.39019	11.10814	4.17E-10	2.75E-07	3.44E-08	1.29E-13	3.88E-13	3.07E-13	0	0	0	0	4.633E-13	1.3118E-11	3.44384E-08	1.31596E-13	0	6.56838E-14	0
138	570510.6	4178079	0.55, 41780	0.15049	0.12507	0.14657	87.75299	34.11951	95.20757	10.96912	5.60116	11.90095	4.54E-10	2.95E-07	3.69E-08	1.4E-13	4.23E-13	3.34E-13	0	0	0	0	5.049E-13	1.4054E-11	3.68964E-08	1.43417E-13	0	7.1584E-14	0
139	570550.6	4178079	0.55, 41780	0.16198	0.14034	0.1583	91.64015	35.64897	104.22382	11.45502	5.99366	13.02798	4.91E-10	3.23E-07	4.04E-08	1.51E-13	4.57E-13	3.61E-13	0	0	0	0	5.453E-13	1.5385E-11	4.039E-08	1.54896E-13	0	7.73135E-14	0
140	570590.6	4178079	0.55, 41780	0.17272	0.15744	0.16968	88.35639	37.38874	105.88084	11.57204	6.46071	13.23511	5.26E-10	3.28E-07	4.1E-08	1.62E-13	4.9E-13	3.87E-13	0	0	0	0	5.845E-13	1.5629E-11	4.10321E-08	1.66033E-13	0	8.28723E-14	0
141	570630.6	4178079	0.55, 41780	0.1831	0.1763	0.17984	101.08083	39.23196	114.54818	12.6351	7.02353	14.31852	5.58E-10	3.55E-07	4.44E-08	1.72E-13	5.19E-13	4.1E-13	0	0	0	0	6.195E-13	1.6909E-11	4.4391E-08	1.75977E-13	0	8.78356E-14	0
142	570670.6	4178079	0.55, 41780	0.19537	0.19687	0.18849	125.63761	41.20021	131.91916	15.7047	8.22231	16.4899	5.84E-10	4.09E-07	5.11E-08	1.8E-13	5.44E-13	4.3E-13	0	0	0	0	6.493E-13	1.9473E-11	5.11238E-08	1.84444E-13	0	9.20618E-14	0
143	570710.6	4178079	0.55, 41780	0.21241	0.21933	0.20096	144.38379	43.29239	151.59141	18.04797	9.29195	18.94893	6.23E-10	4.7E-07	5.87E-08	1.92E-13	5.81E-13	4.59E-13	0	0	0	0	6.923E-13	2.2376E-11	5.87476E-08	1.96649E-13	0	9.81536E-14	0
144	570750.6	4178079	0.55, 41780	0.23537	0.24332	0.2221	149.96792	48.92505	154.1756	18.74599	10.23	23.04389	6.89E-10	4.78E-07	7.14E-08	2.12E-13	6.42E-13	5.07E-13	0	0	0	0	7.651E-13	2.2758E-11	7.14405E-08	2.17335E-13	0	1.08479E-13	0
145	570790.6	4178079	0.55, 41780	0.26445	0.26867	0.24585	159.48841	56.15329	178.05216	19.93605	11.24377	22.79466	7.62E-10	5.52E-07	7.07E-08	2.35E-13	7.1E-13	5.61E-13	0	0	0	0	8.469E-13	2.6282E-11	7.06691E-08	2.40576E-13	0	1.20079E-13	0
146	570830.6	4178079	0.55, 41780	0.30001	0.29551	0.27029	164.85959	59.75168	177.78875	20.60745	12.43332	22.22359	8.38E-10	5.51E-07	6.89E-08	2.59E-13	7.81E-13	6.17E-13	0	0	0	0	9.311E-13	2.6244E-11	6.88996E-08	2.64492E-13	0	1.32016E-13	0
147	570870.6	4178079	0.55, 41780	0.34051	0.32416	0.30185	178.96906	63.85658	203.22306	22.37113	13.91568	25.40288	9.36E-10	6.3E-07	7.88E-08	2.89E-13	8.72E-13	6.89E-13	0	0	0	0	1.04E-12	2.9998E-11	7.87553E-08	2.95373E-13	0	1.4743E-13	0
148	570910.6	4178079	0.55, 41780	0.37529	0.35313	0.33459	192.82824	68.49057	229.7632	24.10353	15.26079	28.7204	1.04E-09	7.12E-07	8.9E-08	3.2E-13	9.67E-13	7.63E-13	0	0	0	0	1.153E-12	3.3915E-11	8.90395E-08	3.27409E-13	0	1.6342E-13	0
149	570950.6	4178079	0.55, 41780	0.39192	0.37725	0.35493	199.56835	75.56845	241.42387	26.9715	14.65967	30.17798	1.1E-09	7.48E-07	9.36E-08	3.4E-13	1.03E-12	8.1E-13	0	0	0	0	1.223E-12	3.5637E-11	9.35597E-08	3.47313E-13	0	1.73355E-13	0
150	570990.6	4178079	0.55, 41780	0.38624	0.39167	0.34038	209.52387	83.72546	270.89556	31.32288	13.79848	33.86195	1.06E-09	8.4E-07	1.05E-07	3.26E-13	9.83E-13	7.77E-13	0	0	0	0	1.173E-12	3.9987E-11	1.04982E-07	3.33083E-13	0	1.66252E-13	0
151	571030.6	4178079	0.55, 41780	0.36706	0.40059	0.31708	238.62537	94.19927	346.28961	34.73297	15.69988	52.33117	9.83E-10	1.07E-06	1.62E-07	3.03E-13	9.16E-13	7.24E-13	0	0	0	0	1.092E-12	5.1115E-11	1.6223E-07	3.10291E-13	0	1.54876E-13	0
152	571070.6	4178079	0.55, 41780	0.35702	0.41066	0.29659	228.92087	105.90077	368.47625	31.45005	16.61116	46.05953	9.2E-10	1.14E-06	1.43E-07	2.84E-13	8.57E-13	6.77E-13	0	0	0	0	1.022E-12	5.439E-11	1.42788E-07	2.90249E-13	0	1.44873E-13	0
153	571110.6	4178079	0.55, 41780	0.35812	0.41418	0.29542	212.64364	104.08221	374.64105	34.6648	20.98986	46.90606	9.16E-10	1.16E-06	1.45E-07	2.83E-13	8.53E-13	6.74E-13	0	0	0	0	1.018E-12	5.53E-11	1.45415E-07	2.89105E-13	0	1.44302E-13	0
154	571150.6	4178079	0.55, 41780	0.37758	0.42317	0.31748	239.48451	117.47672	371.65504	34.21207	20.38272	60.67868	9.84E-10	1.15E-06	1.88E-07	3.04E-13	9.17E-13	7.24E-13	0	0	0	0	1.094E-12	5.486E-11	1.88103E-07	3.10688E-13	0	1.55075E-13	0
155	571190.6	4178079	0.55, 41780	0.41277	0.43447	0.31013	228.77572	115.09155	359.73847	28.66724	20.67403	44.96731	9.62E-10	1.12E-06	1.39E-07	2.97E-13	8.96E-13	7.08E-13	0	0	0	0	1.068E-12	5.3101E-11	1.39401E-07	3.03502E-13	0	1.51488E-13	0
156	571230.6	4178079	0.55, 41780	0.46673	0.45732	0.33128	219.54291	100.98995	305.404	27.44286	18.56894	43.62914	1.03E-09	9.47E-07	1.35E-07	3.17E-13	9.57E-13	7.56E-13	0	0	0	0	1.141E-12	4.5081E-11	1.35252E-07	3.24199E-13	0	1.61818E-13	0
157	571270.6	4178079	0.55, 41780	0.53318	0.48578	0.3586	215.1929	81.06645	332.5769	26.89911	17.27973	41.57211	1.11E-09	1.03E-06	1.29E-07	3.43E-13	1.04E-12	8.18E-13	0	0	0	0	1.235E-12	4.9091E-11	1.28876E-07	3.50934E-13	0	1.75162E-13	0
158	571310.6	4178079	0.55, 41780	0.58671	0.50689	0.39805	205.97464	69.75551	363.05687	25.74683	14.70822	45.38211	1.23E-09	1.13E-06	1.41E-07	3.81E-13	1.15E-12	9.08E-13	0	0	0	0	1.371E-12	5.3589E-11	1.40684E-07	3.89532E-13	0	1.94428E-13	0
159	571350.6	4178079	0.55, 41780	0.61439	0.51569	0.46686	184.46358	62.8789	316.33591	23.05795	12.5762	39.54199	1.45E-09	9.81E-07	1.23E-07	4.47E-13	1.35E-12	1.07E-12	0	0	0	0	1.608E-12	4.6693E-11	1.2258E-07	4.56849E-13	0	2.28028E-13	0
160	571390.6	4178079	0.55, 41780	0.61879	0.51229	0.54521	162.6235	50.78632	251.98298	20.32794	11.67282	31.49787	1.69E-09	7.81E-07	9.76E-08	5.22E-13	1.57E-12	1.24E-12	0	0	0	0	1.878E-12	3.7194E-11	9.7645E-08	5.33494E-13	0	2.66284E-13	0
161	571430.6	4178079	0.55, 41780	0.60477	0.49855	0.60294	157.24404	39.05995	207.2573	19.65551	9.99401	25.90716	1.87E-09	6.42E-07	8.03E-08	5.77E-13	1.74E-12	1.38E-12	0	0	0	0	2.077E-12	3.0592E-11	8.0316E-08	5.89965E-13	0	2.9447E-13	0
162	571470.6	4178079	0.55, 41780	0.57311	0.47467	0.61341	152.07991	30.59352	215.52596	19.00999	9.68796	26.94074	1.9E-09	6.68E-07	8.35E-08	5.87E-13	1.77E-12	1.4E-12	0	0	0	0	2.113E-12	3.1812E-11	8.35191E-08	6.00201E-13	0	2.99579E-13	0
163	571510.6	4178079	0.55, 41780	0.53465	0.44658	0.58613	137.55383	33.88214	191.36045	17.19423	8.95455	23.92006	1.82E-09	5.93E-07	7.42E-08	5.61E-13	1.69E-12	1.34E-12	0	0	0	0	2.019E-12	2.8246E-11	7.41549E-08	5.73506E-13	0	2.86255E-13	0
164	571550.6	4178079	0.55, 41780	0.48548	0.41212	0.53241	120.13532	36.07438	157.49519	15.01691	7.90342	19.6869	1.65E-09	4.88E-07	6.1E-08	5.09E-13	1.54E-12	1.21E-12	0	0	0	0	1.834E-12	2.3247E-11	6.10324E-08	5.20945E-13	0	2.6002E-13	0
165	571590.6	4178079	0.55, 41780	0.43445	0.37558	0.47142	108.95419	37.19094	141.55637	13.61927	6.74143	17.69455	1.46E-09	4.39E-07	5.49E-08	4.51E-13	1.36E-12	1.08E-12	0	0	0	0	1.624E-12	2.0895E-11	5.48559E-08	4.61271E-13	0	2.30235E-13	0
166	570310.6	4178119	0.55, 41781	0.10149	0.07442	0.09774	69.0748	28.05035	78.28908	8.63435	4.67506	9.78613	3.03E-10	2.43E-07	3.03E-08	9.35E-14	2.82E-13	2.23E-13	0	0	0	0	3.367E-13	1.1556E-11	3.03395E-08	9.56353E-14	0	4.77346E-14	0
167	570350.6	4178119	0.55, 41781	0.11138	0.08273	0.10725	79.07973	29.62524	82.98136	9.88497	4.93754	10.37267	3.32E-10	2.57E-07	3.22E-08	1.03E-13	3.1E-13	2.45E-13	0	0	0	0	3.694E-13	1.2249E-11	3.21585E-08	1.04941E-13	0	5.23793E-14	0
168	570390.6	4178119	0.55, 41781	0.12249	0.09237	0.11775	81.81771	30.97041	92.38822	10.22721	5.16174	11.54853	3.65E-10	2.86E-07	3.58E-08	1.13E-13	3.4E-13	2.69E-13	0	0	0	0	4.056E-13	1.3638E-11	3.58034E-08	1.15215E-13	0	5.75075E-14	0
169	570430.6	4178119	0.55, 41781	0.13492	0.10362	0.12964	81.48606	32.23138	89.13007	10.18576	5.3719	11.14126	4.02E-10	2.76E-07	3.45E-08	1.24E-13	3.74E-13	2.96E-13	0	0	0	0	4.466E-13	1.3157E-11	3.4541E-08	1.2685E-13	0	6.33146E-14	0
170	570470.6	4178119	0.55, 41781	0.14882	0.11683	0.14311	90.82614	33.6686	97.62505	11.35327	5.5932	12.20313	4.44E-10	3.03E-07	3.78E-08	1.37E-13	4.13E-13	3.27E-13	0	0	0	0	4.93E-13	1.4411E-11	3.78333E-08	1.4003E-13	0	6.98935E-14	0
171	570510.6	4178119	0.55, 41781	0.16361	0.13228	0.15796	92.34034	35.20886	102.68913	11.54254	5.82093	12.83614	4.9E-10	3.18E-07	3.98E-08	1.51E-13	4.56E-13	3.6E-13	0	0	0	0	5.441E-13	1.5158E-11	3.97955E-08	1.54561E-13	0	7.71465E-14	0
172	570550.6	4178119	0.55, 41781	0.17911	0.1505	0.17388	100.11195	36.92243	110.21215	12.51399	6.33987	13.77652	5.39E-10	3.42E-07	4.27E-08	1.66E-13	5.02E-13	3.97E-13	0	0	0	0	5.99E-13	1.6269E-11	4.2711E-08	1.7014E-13	0	8.49223E-14	0
173	570590.6	4178119	0.55, 41781	0.19374	0.17125	0.18923	103.74737	38.76233	121.67682	12.96842	6.89651	15.2096	5.87E-10	3.77E-07	4.72E-08	1.81E-13	5.47E-13	4.32E-13	0	0	0	0	6.519E-13	1.7961E-11	4.71532E-08	1.85162E-13	0	9.24201E-14	0
174	570630.6	4178119	0.55, 41781	0.2069	0.19483	0.20326	104.63966	41.01094	121.05227	13.84797	7.49161	15.13153	6.3E-10	3.75E-07	4.69E-08	1.94E-13	5.87E-13	4.64E-13	0	0	0	0	7.002E-13	1.7869E-11	4.6912E-08	1.98893E-13	0	9.92736E-14	0
175	570670.6	4178119	0.55, 41781	0.21998	0.22122	0.21442	115.58367	43.51142	138.36153	15.0671	8.60459	17.29519	6.65E-10	4.29E-07	5.36E-08	2.05E-13	6.19E-13	4.89E-13	0	0	0	0	7.386E-13	2.0424E-11	5.36193E-08	2.09817E-13	0	1.04726E-13	0
176	570710.6	4178119	0.55, 41781	0.23703	0.25104	0.22497	127.12041	45.98226	134.54184	16.41254	9.96819	16.81773	6.98E-10	4.17E-07	5.21E-08	2.15E-13	6.5E-13	5.13E-13	0	0	0	0	7.75E-13	1.986E-11	5.21406E-08	2.20145E-13	0	1.09881E-13	0
177	570750.6	4178119	0.55, 41781	0.26187	0.28441	0.24496	163.41699	49.64069	173.69321	20.42712	11.18287	24.67477	7.59E-10	5.38E-07	7.65E-08	2.34E-13	7.08E-13	5.59E-13	0	0	0	0	8.439E-13	2.5639E-11	7.64969E-08	2.39709E-13	0	1.19646E-13	0
178	570790.6	4178119	0.55, 41781	0.29707	0.32177	0.27572	189.30326	59.79186	203.13563	23.66291	12.3939	25.39195	8.55E-10	6.3E-07	7.87E-08	2.64E-13	7.97E-13	6.29E-13	0	0	0	0	9.499E-13	2.9985E-11	7.87225E-08	2.6981E-13	0	1.34671E-13	0
179	570830.6	4178119	0.55, 41781	0.34574	0.3643	0.31009	193.11502	64.55328	210.79637	24.13938	13.76558	26.34955	9.61E-10	6.53E-07	8.17E-08	2.97E-13	8.96E-13	7.08E-13	0	0	0	0	1.068E-12	3.1116E-11	8.1691E-08	3.03444E-13	0	1.51459E-13	0
180	570870.6	4178119	0.55, 41781	0.41228	0.41342	0.35667	202.8381	69.60981	241.64288	25.35476	15.49628	31.6123	1.11E-09	7.49E-07	9.8E-08	3.41E-13	1.03E-12	8.14E-13	0	0	0	0	1.229E-12	3.5669E-11	9.8004E-08	3.49025E-13	0	1.74209E-13	0
181	570910.6	4178119	0.55, 41781	0.49003	0.46844	0.41739	224.50761	75.3478	268.49725	28.06345	17.99511	33.56216	1.29E-09	8.32E-07	1.04E-07	3.99E-13	1.21E-12	9.52E-13	0	0	0	0	1.438E-12	3.9633E-11	1.0405E-07	4.0844E-13	0	2.03865E-13	0
182	570950.6	4178119	0.55, 41781	0.55455	0.52056	0.48015	237.44511	82.6149	307.44591	31.19836	20.61697	38.43074	1.49E-09	9.53E-07	1.19E-07	4.59E-13	1.39E-12	1.1E-12	0	0	0	0	1.654E-12	4.5382E-11	1.19143E-07	4.69849E-13	0	2.34517E-13	0
183	570990.6	4178119	0.55, 41781	0.59019	0.56679	0.49805	260.70129	98.30209	347.94815	39.14578	18.7176	43.49352	1.54E-09	1.08E-06	1.35E-07	4.77E-13	1.44E-12	1.14E-12	0	0	0	0	1.716E-12	5.136E-11	1.34842E-07	4.87372E-13	0	2.43263E-13	0
184	571030.6	4178119	0.55, 41781	0.58003	0.59593	0.46436	288.08817	110.38847	394.82286	43.41155	19.84321	60.28631	1.44E-09	1.22E-06	1.87E-07	4.44E-13	1.34E-12	1.06E-12	0	0	0	0	1.6E-12	5.8279E-11	1.86894E-07	4.54422E-13	0	2.26816E-13	0
185	571070.6	4178119	0.55, 41781	0.56003	0.61401	0.43624	281.59163	124.26135	479.69295	39.26934	23.95732	65.06151	1.35E-09	1.49E-06	2.02E-07	4.17E-13	1.26E-12	9.96E-13	0	0	0	0	1.503E-12	7.0806E-11	2.01692E-07	4.26917E-13	0	2.13088E-13	0
186	571110.6	4178119	0.55, 41781	0.57497	0.62965	0.42923	279.23237	138.16088	507.21032	41.39356	27.39628	63.69191	1.33E-09	1.57E-06	1.97E-07	4.11E-13	1.24E-12	9.8E-13	0	0	0	0	1.479E-12	7.4868E-11	1.97448E-07	4.20064E-13	0	2.09667E-13	0
187	571150.6	4178119	0.55, 41781	0.64473	0.65929	0.45591	273.06399	137.55558	506.75735	37.77228	27.34359	77.75635	1.41E-09	1.57E-06	2.41E-07	4.36E-13	1.32E-12	1.04E-12	0	0	0	0	1.571E-12	7.4801E-11	2.41038E-07	4.46172E-13	0	2.22699E-13	0
188	571190.6	4178119	0.55, 41781	0.76806	0.70549	0.46182	260.36357	120.74038	479.78233	32.90288	24.49294	68.54033	1.43E-09	1.49E-06	2.12E-07	4.42E-13	1.33E-12	1.05E-12	0	0	0	0	1.591E-12	7.0819E-11	2.12469E-07	4.51968E-13	0	2.25592E-13	0
189	571230.6	4178119	0.55, 41781	0.88147	0.74364	0.51839	250.38438	100.21062	435.42985	31.29805	22.32262	54.42873	1.61E-09	1.35E-06	1.69E-07	4.96E-13	1.5E-12	1.18E-12	0	0	0	0	1.786E-12	6.4272E-11	1.68729E-07	5.0732E-13	0	2.5322E-13	0
190	571270.6	4178119	0.55, 41781	0.94057	0.75526	0.59724	235.31349	80.57107	462.41399	29.41419	18.81416	57.80175	1.85E-09	1.43E-06	1.79E-07	5.71E-13	1.73E-12	1.36E-12	0	0	0	0	2.058E-12	6.8254E-11	1.79182E-07	5.8446E-13	0	2.91723E-13	0
191	571310.6	4178119	0.55, 41781	0.94266	0.74202	0.72716	211.76846	71.48368	401.12341	26.47106	15.9259	50.14043	2.25E-09	1.24E-06	1.55E-07	6.96E-13	2.1E-12	1.66E-12	0	0	0	0	2.505E-12	5.9207E-11	1.55433E-07	7.11552E-13	0	3.55158E-13	0
192	571350.6	4178119	0.55, 41781	0.90909	0.71255	0.85266	184.59351	57.17412	286.57244	23.07419	14.42847	35.82155	2.64E-09	8.88E-07	1.11E-07	8.16E-13	2.46E-12	1.95E-12	0	0	0	0	2.937E-12	4.23E-11	1.11049E-07	8.34315E-13	0	4.16433E-13	0
193	571390.6	4178119	0.55, 41781	0.85308	0.67145	0.90336	182.88204	42.90716	275.98695	22.86025	12.27464	34.49837	2.8E-09	8.55E-07	1.07E-07	8.64E-13	2.61E-12	2.06E-12	0	0	0	0	3.112E-12	4.0737E-11	1.06947E-07	8.83901E-13	0	4.41183E-13	0
194	571430.6	4178119	0.55, 41781	0.78	0.62166	0.86624	169.0522	41.64549	252.50347	21.13153	11.39175	31.56293	2.69E-09	7.83E-07	9.78E-08	8.29E-13	2.5E-12	1.98E-12	0	0	0	0	2.984E-12	3.7271E-11	9.78474E-08	8.47574E-13	0	4.23051E-13	0
195	571470.6	4178119	0.55, 41781	0.69763	0.567	0.77646	144.82238	43.55007	199.26025	18.1028	10.0864	24.90753	2.41E-09	6.18E-07	7.72E-08	7.43E-13	2.24E-12	1.77E-12	0	0	0	0	2.675E-12	2.9412E-11	7.72164E-08	7.59731E-13	0	3.79206E-13	0
196	571510.6	4178119	0.55, 41781	0.61632	0.51188	0.67545	129.07456	44.20691	173.84445	16.93315	8.5721	21.73056	2.09E-09	5.39E-07	6.74E-08	6.46E-13	1.95E-12	1.54E-12	0	0	0	0	2.327E-12	2.5661E-11	6.73683E-08	6.60902E-13	0	3.29877E-13	0
197	571550.6	4178119	0.55, 41781	0.53701	0.45659	0.57828	116.13448	43.6354	149.52645	16.99831	7.6971	20.20244	1.79E-09	4.64E-07	6.26E-08	5.53E-13	1.67E-12	1.32E-12	0	0	0	0	1.992E-12	2.2071E-11	6.2632E-08	5.65829E-13	0	2.82424E-13	0
198	571590.6	4178119	0.55, 41781	0.46599	0.40463	0.49394	103.06511	42.01095	133.93422	16.60125	6.75955	20.50745	1.53E-09	4.15E-07	6.36E-08	4.73E-13	1.43E-12	1.13E-12	0	0	0	0	1.701E-12	1.977E-11	6.3577E-08	4.83309E-13	0	2.41235E-13	0
199	570310.6	4178159	0.55, 41781	0.10452	0.07557	0.10002	83.14681	27.07322	89.45551	10.39335	4.47805	11.18194	3.1E-10	2.77E-07	3.47E-08	9.57E-14	2.89E-13	2.28E-13	0	0	0	0	3.445E-13	1.3205E-11	3.46673E-08	9.7866E-14	0	4.88481E-14	0
200	570350.6	4178159	0.55, 41781	0.1156	0.08446	0.11071	83.51332	29.37807	93.62995	10.43917	4.89635	11.70374	3.43E-10	2.9E-07	3.63E-08	1.06E-13	3.2E-13	2.53E-13	0	0	0	0	3.814E-13	1.3821E-11	3.62847E-08	1.08326E-13	0	5.4069E-14	0
201	570390.6	4178159	0.55, 41781	0.12828	0.09489	0.12282	85.72091	31.44775	90.10823	10.71511	5.24129	11.26353	3.81E-10	2.79E-07	3.49E-08	1.17E-13	3.55E-13	2.8E-13	0	0	0	0	4.231E-13	1.3301E-11	3.49205E-08	1.20176E-13	0	5.99834E-14	0
202	570430.6	4178159	0.55, 41781	0.14269	0.1072	0.13639	94.53138	33.159	104.73347	11.81642	5.5265	13.09168	4.23E-10	3.25E-07	4.06E-08	1.3E-13	3.94E-13	3.11E-13	0	0	0	0	4.698E-13	1.546E-11	4.05877E-08	1.33454E-13	0	6.66111E-14	0
203	570470.6	4178159	0.55, 41781	0.15906	0.12183	0.15182	91.68652	34.69147	109.10852	11.46082	5.78191	13.63857	4.71E-10	3.38E-07	4.23E-08	1.45E-13	4.39E-13	3.46E-13	0	0	0	0	5.23E-13	1.6106E-11	4.22825E-08	1.48552E-13	0	7.41472E-14	0
204	570510.6	4178159	0.55, 41781	0.17738	0.13933	0.16931	103.8828	36.49731	110.76271	12.98535	6.04456	13.84534	5.25E-10	3.43E-07	4.29E-08	1.62E-13	4.89E-13	3.86E-13	0	0	0	0	5.832E-13	1.635E-11	4.29247E-08	1.65667E-13	0	8.26895E-14	0
205	570550.6	4178159	0.55, 41781	0.19733	0.16029	0.18927	106.21161	38.46337	121.82569	13.27645	6.62676	15.22821	5.87E-10	3.78E-07	4.72E-08	1.81E-13	5.47E-13	4.32E-13	0	0	0	0	6.52E-13	1.7983E-11	4.72112E-08	1.85198E-13	0	9.24383E-14	0
206	570590.6	4178159	0.55, 41781	0.21794	0.18524	0.21062	115.65264	40.48441	129.80552	14.45658	7.37316	16.22569	6.53E-10	4.02E-07	5.03E-08	2.01E-13	6.08E-13	4.81E-13	0	0	0	0	7.255E-13	1.9161E-11	5.03039E-08	2.0609E-13	0	1.02866E-13	0
207	570630.6	4178159	0.55, 41781	0.23707	0.21436	0.23118	118.44365	42.79741	144.28442	14.80546	8.08317	18.03555	7.17E-10	4.47E-07	5.59E-08	2.21E-13	6.68E-13	5.27E-13	0	0	0	0	7.964E-13	2.1298E-11	5.59138E-08	2.26211E-13	0	1.12909E-13	0
208	570670.6	4178159	0.55, 41781	0.25383	0.24795	0.24882	124.95922	45.84094	144.90734	15.6199	8.90031	18.11342	7.71E-10	4.49E-07	5.62E-08	2.38E-13	7.19E-13	5.68E-13	0	0	0	0	8.571E-13	2.139E-11	5.61559E-08	2.43476E-13	0	1.21527E-13	0
209	570710.6	4178159	0.55, 41781	0.27135	0.28697	0.26135	131.25248	49.29697	162.49426	17.47805	10.6966	20.31178	8.1E-10	5.04E-07	6.3E-08	2.5E-13	7.55E-13	5.96E-13	0	0	0	0	9.003E-13	2.3986E-11	6.29713E-08	2.55743E-13	0	1.2765E-13	0
210	570750.6	4178159	0.55, 41781	0.29528	0.33222	0.27619	146.48828	52.90094	155.94977	21.86848	12.23914	22.93785	8.56E-10	4.83E-07	7.11E-08	2.64E-13	7.98E-13	6.3E-13	0	0	0	0	9.515E-13	2.302E-11	7.11145E-08	2.70272E-13	0	1.34901E-13	0
211	570790.6	4178159	0.55, 41781	0.33253	0.38536	0.30655	168.4296	63.37031	207.44804	22.18934	13.75991	31.3643	9.5E-10	6.43E-07	9.72E-08	2.93E-13	8.86E-13	7E-13	0	0	0	0	1.056E-12	3.0621E-11	9.72326E-08	2.99986E-13	0	1.49732E-13	0
212	570830.6	4178159	0.55, 41781	0.39122	0.44987	0.34708	226.40986	70.88867	244.94075	28.30123	15.58224	30.61759	1.08E-09	7.59E-07	9.49E-08	3.32E-13	1E-12	7.92E-13	0	0	0	0	1.196E-12	3.6156E-11	9.49234E-08	3.39652E-13	0	1.69531E-13	0
213	570870.6	4178159	0.55, 41781	0.48272	0.53035	0.408	262.06298	76.1106	293.39264	32.75787	17.58972	36.67408	1.27E-09	9.09E-07	1.14E-07	3.9E-13	1.18E-12	9.31E-13	0	0	0	0	1.406E-12	4.3307E-11	1.13699E-07	3.99269E-13	0	1.99288E-13	0
214	570910.6	4178159	0.55, 41781	0.61652	0.63133	0.50366	261.24493	84.17228	335.42472	32.65562	20.33398	41.92809	1.56E-09	1.04E-06	1.3E-07	4.82E-13	1.46E-12	1.15E-12	0	0	0	0	1.735E-12	4.9511E-11	1.29984E-07	4.92876E-13	0	2.4601E-13	0
215	570950.6	4178159	0.55, 41781	0.78722	0.75662	0.63069	286.12528	93.97029	373.71712	38.09436	25.30252	46.71464	1.96E-09	1.16E-06	1.45E-07	6.03E-13	1.82E-12	1.44E-12	0	0	0	0	2.173E-12	5.5164E-11	1.44825E-07	6.17179E-13	0	3.08054E-13	0
216	570990.6	4178159	0.55, 41781	0.95557	0.89576	0.74297	303.7283	113.02353	445.40224	49.39935	30.83627	55.67528	2.3E-09	1.38E-06	1.73E-07	7.11E-13	2.15E-12	1.7E-12	0	0	0	0	2.56E-12	6.5745E-11	1.72608E-07	7.27055E-13	0	3.62897E-13	0
217	571030.6	4178159	0.55, 41781	1.0701	1.00768	0.7637	365.27865	135.92516	512.48146	63.89384	29.33742	70.31034	2.37E-09	1.59E-06	2.18E-07	7.31E-13	2.21E-12	1.74E-12	0	0	0	0	2.631E-12	7.5646E-11	2.17981E-07	7.47365E-13	0	3.73034E-13	0
218	571070.6	4178159	0.55, 41781	1.06935	1.07923	0.71312	382.13438	155.20031	662.82772	54.74849	37.25068	94.68967	2.21E-09	2.05E-06	2.94E-07	6.82E-13	2.06E-12	1.63E-12	0	0	0	0	2.457E-12	9.7838E-11	2.93537E-07	6.97902E-13	0	3.48345E-13	0
219	571110.6	4178159	0.55, 41781	1.19831	1.16386	0.6846	373.85472	174.62021	736.75515	53.40782	39.37776	93.09067	2.12E-09	2.28E-06	2.89E-07	6.55E-13	1.98E-12	1.56E-12	0	0	0	0	2.359E-12	1.0875E-10	2.8858E-07	6.70026E-13	0	3.34431E-13	0
220	571150.6	4178159	0.55, 41781	1.53671	1.26322	0.72724	331.2731	149.81574	693.97089	50.26616	34.67292	96.78528	2.26E-09	2.15E-06	3E-07	6.96E-13	2.1E-12	1.66E-12	0	0	0	0	2.506E-12	1.0243E-10	3.00029E-07	7.11772E-13	0	3.55268E-13	0
221	571190.6	4178159	0.55, 41781	1.71324	1.27647	0.80447	303.51531	125.05743	565.89383	43.45807	29.97586	80.84198	2.49E-09	1.75E-06	2.51E-07	7.7E-13	2.32E-12	1.84E-12	0	0	0	0	2.772E-12	8.3529E-11	2.50607E-07	7.87331E-13	0	3.92982E-13	0
222	571230.6	4178159	0.55, 41781	1.67997	1.21931	0.99011	277.00255	96.22407	622.39581	36.53844	24.95569	77.79948	3.07E-09	1.93E-06	2.41E-07	9.47E-13	2.86E-12	2.26E-12	0	0	0	0	3.411E-12	9.1867E-11	2.41171E-07	9.68919E-13	0	4.83618E-13	0
223	571270.6	4178159	0.55, 41781	1.56347	1.13234	1.265	251.98402	83.18585	536.39129	31.498	20.71301	67.04891	3.92E-09	1.66E-06	2.08E-07	1.21E-12	3.65E-12	2.89E-12	0	0	0	0	4.358E-12	7.9173E-11	2.07845E-07	1.23781E-12	0	6.17829E-13	0
224	571310.6	4178159	0.55, 41781	1.42012	1.03692	1.45126	223.09845	65.85457	360.16353	27.88731	18.21453	45.02044	4.5E-09	1.12E-06	1.4E-07	1.39E-12	4.19E-12	3.31E-12	0	0	0	0	4.999E-12	5.3162E-11	1.39565E-07	1.41999E-12	0	7.08762E-13	0
225	571350.6	4178159	0.55, 41781	1.26306	0.93714	1.42084	212.7442	53.05659	355.96566	26.59303	15.01468	44.49571	4.4E-09	1.1E-06	1.38E-07	1.36E-12	4.1E-12	3.24E-12	0	0	0	0	4.894E-12	5.2542E-11	1.37937E-07	1.3902E-12	0	6.93895E-13	0
226	571390.6	4178159	0.55, 41781	1.10199	0.83709	1.24864	185.92823	54.01949	274.01244	23.24103	13.29114	34.25155	3.87E-09	8.49E-07	1.06E-07	1.19E-12	3.61E-12	2.85E-12	0	0	0	0	4.301E-12	4.0446E-11	1.06183E-07	1.22172E-12	0	6.09799E-13	0
227	571430.6	4178159	0.55, 41781	0.9418	0.73869	1.04204	159.26436	53.60229	222.79179	21.61583	11.2268	27.84897	3.23E-09	6.91E-07	8.63E-08	9.97E-13	3.01E-12	2.38E-12	0	0	0	0	3.589E-12	3.2886E-11	8.63363E-08	1.01958E-12	0	5.08907E-13	0
228	571470.6	4178159	0.55, 41781	0.79447	0.64516	0.85663	139.92539	51.85557	187.30754	21.06215	9.90602	27.91527	2.66E-09	5.81E-07	8.65E-08	8.19E-13	2.47E-12	1.95E-12	0	0	0	0	2.951E-12	2.7648E-11	8.65414E-08	8.38179E-13	0	4.18362E-13	0
229	571510.6	4178159	0.55, 41781	0.67282	0.56206	0.7111	120.25585	49.92459	159.61818	19.96311	8.50885	26.60303	2.2E-09	4.95E-07	8.25E-08	6.8E-13	2.05E-12	1.62E-12	0	0	0	0	2.449E-12	2.3561E-11	8.24731E-08	6.9579E-13	0	3.47291E-13	0
230	571550.6	4178159	0.55, 41781	0.57423	0.48972	0.59807	110.64777	47.57404	144.95635	18.4413	7.31081	24.15939	1.85E-09	4.49E-07	7.49E-08	5.72E-13	1.73E-12	1.36E-12	0	0	0	0	2.06E-12	2.1397E-11	7.48978E-08	5.85198E-13	0	2.92091E-13	0
231	571590.6	4178159	0.55, 41781	0.49292	0.42713	0.50772	100.4908	44.5532	128.72625	16.74847	6.44552	21.45437	1.57E-09	3.99E-07	6.65E-08	4.86E-13	1.47E-12	1.16E-12	0	0	0	0	1.749E-12	1.9001E-11	6.65121E-08	4.96796E-13	0	2.47967E-13	0
232	570310.6	4178199	0.55, 41781	0.10691	0.07648	0.10208	81.28791	24.55019	79.664	10.16099	3.94128	9.958	3.16E-10	2.47E-07	3.09E-08	9.77E-14	2.95E-13	2.33E-13	0	0	0	0	3.516E-13	1.1759E-11	3.08735E-08	9.98815E-14	0	4.98541E-14	0
233	570350.6	4178199	0.55, 41781	0.11881	0.08587	0.11329	92.41038	27.80697	96.15133	11.5513	4.55912	12.01892	3.51E-10	2.98E-07	3.73E-08	1.08E-13	3.27E-13	2.58E-13	0	0	0	0	3.902E-13	1.4193E-11	3.72625E-08	1.1085E-13	0	5.53289E-14	0
234	570390.6	4178199	0.55, 41781	0.13286	0.09703	0.12666	98.9418	30.67703	108.4605	12.36772	5.11284	13.55756	3.93E-10	3.36E-07	4.2E-08	1.21E-13	3.66E-13	2.89E-13	0	0	0	0	4.363E-13	1.601E-11	4.20322E-08	1.23933E-13	0	6.18588E-14	0
235	570430.6	4178199	0.55, 41781	0.14935	0.11037	0.14231	98.24021	33.47488	112.67373	12.28003	5.57915	14.08422	4.41E-10	3.49E-07	4.37E-08	1.36E-13	4.11E-13	3.25E-13	0	0	0	0	4.902E-13	1.6632E-11	4.36645E-08	1.39246E-13	0	6.95021E-14	0
236	570470.6	4178199	0.55, 41781	0.1686	0.12646	0.16043	107.25905	35.76824	115.05444	13.40738	5.96137	14.38181	4.97E-10	3.57E-07	4.46E-08	1.53E-13	4.63E-13	3.66E-13	0	0	0	0	5.526E-13	1.6983E-11	4.45879E-08	1.56976E-13	0	7.83519E-14	0
237	570510.6	4178199	0.55, 41781	0.19081	0.14598	0.18108	111.923	37.71142	131.96286	13.99038	6.28524	16.49536	5.61E-10	4.09E-07	5.11E-08	1.73E-13	5.23E-13	4.13E-13	0	0	0	0	6.238E-13	1.9479E-11	5.11393E-08	1.77183E-13	0	8.84375E-14	0
238	570550.6	4178199	0.55, 41781	0.21602	0.16987	0.20494	119.57772	40.00549	129.21029	14.94721	6.67621	16.15129	6.35E-10	4.01E-07	5.01E-08	1.96E-13	5.92E-13	4.68E-13	0	0	0	0	7.06E-13	1.9073E-11	5.00737E-08	2.0053E-13	0	1.00091E-13	0
239	570590.6	4178199	0.55, 41781	0.24388	0.19917	0.2325	124.08345	42.52786	147.10165	15.51043	7.78928	18.38771	7.21E-10	4.56E-07	5.7E-08	2.22E-13	6.72E-13	5.3E-13	0	0	0	0	8.009E-13	2.1714E-11	5.70059E-08	2.27499E-13	0	1.13552E-13	0
240	570630.6	4178199	0.55, 41781	0.27242	0.23473	0.26214	135.79301	45.13025	156.31523	16.97413	8.73982	19.5394	8.13E-10	4.85E-07	6.06E-08	2.51E-13	7.57E-13	5.98E-13	0	0	0	0	9.03E-13	2.3074E-11	6.05769E-08	2.56504E-13	0	1.28029E-13	0
241	570670.6	4178199	0.55, 41781	0.29828	0.27729	0.29064	136.89517	48.04336	174.48935	17.44831	9.65486	21.81117	9.01E-10	5.41E-07	6.76E-08	2.78E-13	8.4E-13	6.63E-13	0	0	0	0	1.001E-12	2.5756E-11	6.76186E-08	2.84395E-13	0	1.41951E-13	0
242	570710.6	4178199	0.55, 41781	0.321	0.32818	0.31291	151.98197	52.23375	185.24815	19.68934	11.4382	23.15602	9.7E-10	5.74E-07	7.18E-08	2.99E-13	9.04E-13	7.14E-13	0	0	0	0	1.078E-12	2.7344E-11	7.17889E-08	3.06193E-13	0	1.52831E-13	0
243	570750.6	4178199	0.55, 41781	0.34558	0.38955	0.32771	144.14265	57.26085	196.68908	22.53194	13.53855	24.58613	1.02E-09	6.1E-07	7.62E-08	3.14E-13	9.47E-13	7.48E-13	0	0	0	0	1.129E-12	2.9033E-11	7.62239E-08	3.20687E-13	0	1.60065E-13	0
244	570790.6	4178199	0.55, 41781	0.38143	0.46429	0.35275	173.32889	66.95506	241.81218	25.57778	15.36352	36.58263	1.09E-09	7.5E-07	1.13E-07	3.38E-13	1.02E-12	8.05E-13	0	0	0	0	1.215E-12	3.5694E-11	1.1341E-07	3.45201E-13	0	1.72301E-13	0
245	570830.6	4178199	0.55, 41781	0.44289	0.55991	0.39405	200.31972	78.9407	262.23048	28.47462	17.66262	37.4615	1.22E-09	8.13E-07	1.16E-07	3.77E-13	1.14E-12	8.99E-13	0	0	0	0	1.358E-12	3.8708E-11	1.16136E-07	3.85628E-13	0	1.92479E-13	0
246	570870.6	4178199	0.55, 41781	0.55133	0.6879	0.45528	245.75399	83.68372	263.19795	34.28137	20.83884	36.18743	1.41E-09	8.16E-07	1.12E-07	4.36E-13	1.32E-12	1.04E-12	0	0	0	0	1.569E-12	3.8851E-11	1.12192E-07	4.4556E-13	0	2.22393E-13	0
247	570910.6	4178199	0.55, 41781	0.74216	0.86472	0.57468	353.61381	98.21675	387.24795	44.20173	24.01316	48.40599	1.78E-09	1.2E-06	1.5E-07	5.5E-13	1.66E-12	1.31E-12	0	0	0	0	1.98E-12	5.7161E-11	1.50072E-07	5.62412E-13	0	2.80718E-13	0
248	570950.6	4178199	0.55, 41781	1.08517	1.1274	0.77671	376.11466	111.85514	479.74888	52.74149	29.33795	59.96861	2.41E-09	1.49E-06	1.86E-07	7.43E-13	2.24E-12	1.77E-12	0	0	0	0	2.676E-12	7.0814E-11	1.85918E-07	7.60121E-13	0	3.79401E-13	0
249	570990.6	4178199	0.55, 41781	1.58976	1.56693	1.05873	410.19015	135.68135	559.12982	68.60008	44.06737	76.18548	3.28E-09	1.73E-06	2.36E-07	1.01E-12	3.06E-12	2.42E-12	0	0	0	0	3.648E-12	8.2532E-11	2.36195E-07	1.03613E-12	0	5.17165E-13	0
250	571030.6	4178199	0.55, 41781	2.42958	2.27373	1.377	561.74649	191.25505	728.04918	107.05418	55.40677	100.45619	4.27E-09	2.26E-06	3.11E-07	1.32E-12	3.98E-12	3.14E-12	0	0	0	0	4.744E-12	1.0747E-10	3.11455E-07	1.34767E-12	0	6.72665E-13	0
251	571070.6	4178199	0.55, 41781	3.58306	3.18041	1.39903	721.18769	259.71405	966.70756	139.44796	73.67892	146.94766	4.34E-09	3E-06	4.56E-07	1.34E-12	4.04E-12	3.19E-12	0	0	0	0	4.821E-12	1.4269E-10	4.55583E-07	1.36947E-12	0	6.83547E-13	0
252	571110.6	4178199	0.55, 41781	5.26167	3.22788	1.2956	536.30163	206.72583	1199.13306	116.57539	57.94295	153.9862	4.02E-09	3.72E-06	4.77E-07	1.24E-12	3.74E-12	2.96E-12	0	0	0	0	4.465E-12	1.77E-10	4.7738E-07	1.26835E-12	0	6.33073E-13	0
253	571150.6	4178199	0.55, 41781	4.55265	2.7214	1.43074	406.82024	165.14744	1078.46551	75.27018	43.84452	138.95995	4.44E-09	3.34E-06	4.31E-07	1.37E-12	4.13E-12	3.27E-12	0	0	0	0	4.93E-12	1.5918E-10	4.30771E-07	1.40041E-12	0	6.98988E-13	0
254	571190.6	4178199	0.55, 41781	3.6655	2.27193	1.9191	348.88414	129.45816	921.59929	55.11772	35.12171	118.18584	5.95E-09	2.86E-06	3.66E-07	1.84E-12	5.54E-12	4.38E-12	0	0	0	0	6.611E-12	1.3603E-10	3.66364E-07	1.87801E-12	0	9.37377E-13	0

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	0	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	0	10	2	70	0.85
2<9	861	1	0.854795	0.000001	0	3	0.55	70	0.72
Student	640	1	0.493151	0.000001	0	3	2.8	70	1
Worker	230	1	0.684932	0.000001	0	1	2.8	70	1

Styrene

	Chronic (Annu	Acute (1hr)	8hr
REL:	900	21000	1

255	571230.6	4178199	0.55, 41781	2.99647	1.91661	2.63905	311.11499	100.77545	780.81724	44.29874	28.05958	97.60216	8.18E-09	2.42E-06	3.03E-07	2.52E-12	7.62E-12	6.02E-12	0	0	0	0	9.091E-12	1.1525E-10	3.02556E-07	2.5822E-12	0	1.28886E-12	0
256	571270.6	4178199	0.55, 41781	2.48655	1.63354	2.7833	275.28639	78.6156	563.64868	36.03295	23.70769	70.45609	8.63E-09	1.75E-06	2.18E-07	2.66E-12	8.04E-12	6.35E-12	0	0	0	0	9.587E-12	8.3196E-11	2.18409E-07	2.72324E-12	0	1.35925E-12	0
257	571310.6	4178199	0.55, 41781	2.04979	1.39182	2.36332	251.65063	69.80646	418.93362	31.45633	18.505	52.3667	7.33E-09	1.3E-06	1.62E-07	2.26E-12	6.83E-12	5.39E-12	0	0	0	0	8.14E-12	6.1836E-11	1.62337E-07	2.31232E-12	0	1.15415E-12	0
258	571350.6	4178199	0.55, 41781	1.66907	1.18291	1.84305	207.71058	67.17721	304.96385	28.41822	15.5683	43.42728	5.71E-09	9.45E-07	1.35E-07	1.76E-12	5.32E-12	4.21E-12	0	0	0	0	6.348E-12	4.5015E-11	1.34627E-07	1.8033E-12	0	9.00086E-13	0
259	571390.6	4178199	0.55, 41781	1.33874	0.99933	1.42084	175.53523	63.93291	243.3206	26.80029	13.20173	40.55343	4.4E-09	7.54E-07	1.26E-07	1.36E-12	4.1E-12	3.24E-12	0	0	0	0	4.894E-12	3.5916E-11	1.25718E-07	1.39022E-12	0	6.93903E-13	0
260	571430.6	4178199	0.55, 41781	1.08215	0.84466	1.12094	146.49279	60.30749	207.71024	24.41546	11.02968	34.61837	3.48E-09	6.44E-07	1.07E-07	1.07E-12	3.24E-12	2.56E-12	0	0	0	0	3.861E-12	3.066E-11	1.0732E-07	1.0968E-12	0	5.47447E-13	0
261	571470.6	4178199	0.55, 41781	0.88511	0.71494	0.90372	129.54701	55.96987	172.11269	21.59117	9.33698	28.68545	2.8E-09	5.34E-07	8.89E-08	8.65E-13	2.61E-12	2.06E-12	0	0	0	0	3.113E-12	2.5406E-11	8.8929E-08	8.84264E-13	0	4.41365E-13	0
262	571510.6	4178199	0.55, 41781	0.73336	0.60746	0.74181	112.64977	51.14316	142.69265	18.77496	8.40942	23.78211	2.3E-09	4.42E-07	7.37E-08	7.1E-13	2.14E-12	1.69E-12	0	0	0	0	2.555E-12	2.1063E-11	7.37287E-08	7.25845E-13	0	3.62292E-13	0
263	571550.6	4178199	0.55, 41781	0.6189	0.52125	0.62191	97.68282	46.08498	120.36205	16.28047	7.59304	20.06034	1.93E-09	3.73E-07	6.22E-08	5.95E-13	1.8E-12	1.42E-12	0	0	0	0	2.142E-12	1.7767E-11	6.21909E-08	6.08529E-13	0	3.03736E-13	0
264	571590.6	4178199	0.55, 41781	0.52714	0.45016	0.52751	84.87826	41.93857	102.67653	14.14638	6.8553	17.11275	1.64E-09	3.18E-07	5.31E-08	5.05E-13	1.52E-12	1.2E-12	0	0	0	0	1.817E-12	1.5156E-11	5.3053E-08	5.16162E-13	0	2.57633E-13	0
265	570310.6	4178239	0.55, 41782	0.10871	0.07725	0.10419	69.36135	22.19632	77.30253	9.49069	3.20395	10.55794	3.23E-10	2.4E-07	3.27E-08	9.97E-14	3.01E-13	2.38E-13	0	0	0	0	3.589E-13	1.1411E-11	3.27324E-08	1.01946E-13	0	5.08844E-14	0
266	570350.6	4178239	0.55, 41782	0.12097	0.08699	0.11543	80.24676	23.95533	77.73127	10.03084	3.79637	10.6184	3.58E-10	2.41E-07	3.29E-08	1.1E-13	3.33E-13	2.63E-13	0	0	0	0	3.976E-13	1.1474E-11	3.29203E-08	1.12944E-13	0	5.6374E-14	0
267	570390.6	4178239	0.55, 41782	0.13576	0.09875	0.129	97.68381	28.15369	96.07123	12.21048	4.56788	12.0089	4E-10	2.98E-07	3.72E-08	1.23E-13	3.73E-13	2.94E-13	0	0	0	0	4.444E-13	1.4181E-11	3.7232E-08	1.26222E-13	0	6.30016E-14	0
268	570430.6	4178239	0.55, 41782	0.15369	0.11303	0.14573	112.57412	32.01468	119.02369	14.07177	5.30028	14.87796	4.52E-10	3.69E-07	4.61E-08	1.39E-13	4.21E-13	3.33E-13	0	0	0	0	5.02E-13	1.7569E-11	4.61262E-08	1.42592E-13	0	7.11724E-14	0
269	570470.6	4178239	0.55, 41782	0.17542	0.1305	0.16624	120.86213	35.6675	135.90431	15.10777	5.94458	16.98804	5.15E-10	4.21E-07	5.27E-08	1.59E-13	4.8E-13	3.79E-13	0	0	0	0	5.726E-13	2.0061E-11	5.26673E-08	1.62661E-13	0	8.11894E-14	0
270	570510.6	4178239	0.55, 41782	0.20166	0.15208	0.19089	118.29832	38.86505	139.27939	14.78729	6.47751	17.40992	5.92E-10	4.32E-07	5.4E-08	1.83E-13	5.51E-13	4.36E-13	0	0	0	0	6.576E-13	2.0559E-11	5.39747E-08	1.86781E-13	0	9.32284E-14	0
271	570550.6	4178239	0.55, 41782	0.23297	0.17899	0.21994	134.82021	41.51275	155.81716	16.85253	6.91879	19.47714	6.82E-10	4.83E-07	6.04E-08	2.1E-13	6.35E-13	5.02E-13	0	0	0	0	7.576E-13	2.3E-11	6.03838E-08	2.15207E-13	0	1.07417E-13	0
272	570590.6	4178239	0.55, 41782	0.26933	0.21289	0.25402	138.182	44.61865	161.93184	17.27275	7.89914	20.24148	7.88E-10	5.02E-07	6.28E-08	2.43E-13	7.34E-13	5.8E-13	0	0	0	0	8.75E-13	2.3903E-11	6.27532E-08	2.48555E-13	0	1.24062E-13	0
273	570630.6	4178239	0.55, 41782	0.31001	0.25571	0.29378	151.57706	47.88426	180.12829	18.94713	9.37801	22.51604	9.11E-10	5.58E-07	6.98E-08	2.81E-13	8.49E-13	6.7E-13	0	0	0	0	1.012E-12	2.6588E-11	6.98046E-08	2.87462E-13	0	1.43481E-13	0
274	570670.6	4178239	0.55, 41782	0.35129	0.30919	0.33746	163.01094	51.1286	193.67566	20.37637	10.66356	24.20946	1.05E-09	6E-07	7.51E-08	3.23E-13	9.75E-13	7.7E-13	0	0	0	0	1.162E-12	2.8588E-11	7.50546E-08	3.30206E-13	0	1.64816E-13	0
275	570710.6	4178239	0.55, 41782	0.3879	0.37553	0.37852	161.77129	55.27243	215.9147	21.46966	11.91574	26.98934	1.17E-09	6.69E-07	8.37E-08	3.62E-13	1.09E-12	8.64E-13	0	0	0	0	1.304E-12	3.1871E-11	8.36718E-08	3.7039E-13	0	1.84873E-13	0
276	570750.6	4178239	0.55, 41782	0.41955	0.45853	0.40652	185.09687	61.2613	243.75059	24.33831	15.0229	31.56234	1.26E-09	7.56E-07	9.78E-08	3.89E-13	1.17E-12	9.28E-13	0	0	0	0	1.4E-12	3.5979E-11	9.78483E-08	3.97802E-13	0	1.98556E-13	0
277	570790.6	4178239	0.55, 41782	0.45531	0.56517	0.42739	195.76674	71.16962	229.68596	30.0466	17.67317	35.54387	1.33E-09	7.12E-07	1.1E-07	4.09E-13	1.23E-12	9.75E-13	0	0	0	0	1.472E-12	3.3904E-11	1.10194E-07	4.18245E-13	0	2.08759E-13	0
278	570830.6	4178239	0.55, 41782	0.51729	0.70869	0.46924	186.14136	86.93814	313.42291	30.32646	20.0795	44.72862	1.45E-09	9.72E-07	1.39E-07	4.49E-13	1.36E-12	1.07E-12	0	0	0	0	1.617E-12	4.6264E-11	1.38662E-07	4.59221E-13	0	2.29212E-13	0
279	570870.6	4178239	0.55, 41782	0.63421	0.91745	0.53024	225.98347	96.3139	311.28977	37.66391	24.81387	41.34654	1.64E-09	9.65E-07	1.28E-07	5.07E-13	1.53E-12	1.21E-12	0	0	0	0	1.827E-12	4.5949E-11	1.28186E-07	5.18948E-13	0	2.59024E-13	0
280	570910.6	4178239	0.55, 41782	0.85302	1.23442	0.65693	293.13359	117.47886	326.7744	47.06613	30.6738	48.00957	2.04E-09	1.01E-06	1.49E-07	6.29E-13	1.9E-12	1.5E-12	0	0	0	0	2.264E-12	4.8236E-11	1.48846E-07	6.42965E-13	0	3.20925E-13	0
281	570950.6	4178239	0.55, 41782	1.35023	1.79208	0.88884	455.80102	142.22416	478.03953	68.40553	39.86266	68.50221	2.76E-09	1.48E-06	2.12E-07	8.51E-13	2.57E-12	2.03E-12	0	0	0	0	3.063E-12	7.0563E-11	2.12381E-07	8.6998E-13	0	4.34235E-13	0
282	570990.6	4178239	0.55, 41782	3.0182	3.06414	1.32054	885.93977	193.04223	771.54657	147.1874	58.20401	96.44332	4.1E-09	2.39E-06	2.99E-07	1.26E-12	3.82E-12	3.01E-12	0	0	0	0	4.551E-12	1.1389E-10	2.99052E-07	1.29264E-12	0	6.452E-13	0
283	571030.6	4178239	0.55, 41782	7.70332	4.46365	2.30139	679.65913	243.63294	1123.21669	144.28562	71.78775	156.8655	7.14E-09	3.48E-06	4.86E-07	2.2E-12	6.65E-12	5.25E-12	0	0	0	0	7.93E-12	1.6579E-10	4.86328E-07	2.25263E-12	0	1.12436E-12	0
284	571110.6	4178239	0.55, 41782	48.37684	13.76668	3.52906	1082.14109	288.2044	2417.61379	441.33003	115.9324	328.07057	1.1E-08	7.49E-06	1.02E-06	3.38E-12	1.02E-11	8.06E-12	0	0	0	0	1.217E-11	3.5684E-10	1.01723E-06	3.45695E-12	0	1.72548E-12	0
285	571150.6	4178239	0.55, 41782	14.38318	6.22649	4.84511	550.93904	192.81003	1871.63269	147.46183	59.89562	339.77194	1.5E-08	5.8E-06	1.05E-06	4.64E-12	1.4E-11	1.11E-11	0	0	0	0	1.669E-11	2.7625E-10	1.05325E-06	4.74164E-12	0	2.3667E-12	0
286	571190.6	4178239	0.55, 41782	8.08563	4.10425	7.76231	423.01159	138.20819	1326.9025	88.76631	43.45879	203.98194	2.41E-08	4.11E-06	6.32E-07	7.43E-12	2.24E-11	1.77E-11	0	0	0	0	2.674E-11	1.9585E-10	6.32318E-07	7.59472E-12	0	3.79077E-12	0
287	571230.6	4178239	0.55, 41782	5.48613	3.01374	6.36519	364.79857	99.98669	820.37732	64.1708	32.88659	114.5851	1.97E-08	2.54E-06	3.55E-07	6.09E-12	1.84E-11	1.45E-11	0	0	0	0	2.192E-11	1.2109E-10	3.55211E-07	6.22765E-12	0	3.10842E-12	0
288	571270.6	4178239	0.55, 41782	3.91656	2.30583	4.21608	308.69657	91.16262	501.73471	42.97299	25.31404	83.35946	1.31E-08	1.56E-06	2.58E-07	4.03E-12	1.22E-11	9.62E-12	0	0	0	0	1.452E-11	7.4058E-11	2.58409E-07	4.12506E-12	0	2.05895E-12	0
289	571310.6	4178239	0.55, 41782	2.81911	1.80691	2.86031	238.76095	82.99282	368.88984	36.57222	19.65898	61.48164	8.87E-09	1.14E-06	1.91E-07	2.74E-12	8.26E-12	6.53E-12	0	0	0	0	9.852E-12	5.445E-11	1.90594E-07	2.79862E-12	0	1.39688E-12	0
290	571350.6	4178239	0.55, 41782	2.07392	1.43877	2.07081	186.98174	75.01218	257.12826	31.16362	15.62493	42.85471	6.42E-09	7.97E-07	1.33E-07	1.98E-12	5.98E-12	4.72E-12	0	0	0	0	7.133E-12	3.7954E-11	1.32855E-07	2.02618E-12	0	1.01133E-12	0
291	571390.6	4178239	0.55, 41782	1.57003	1.1589	1.56847	153.36435	67.14235	200.39228	25.56072	13.28221	31.13336	4.86E-09	6.21E-07	9.65E-08	1.5E-12	4.53E-12	3.58E-12	0	0	0	0	5.403E-12	2.958E-11	9.65197E-08	1.53468E-12	0	7.6601E-13	0
292	571430.6	4178239	0.55, 41782	1.23548	0.94866	1.2378	124.99719	59.46648	164.5542	20.83286	11.6734	24.18073	3.84E-09	5.1E-07	7.5E-08	1.18E-12	3.58E-12	2.82E-12	0	0	0	0	4.264E-12	2.429E-11	7.4966E-08	1.21115E-12	0	6.04521E-13	0
293	571470.6	4178239	0.55, 41782	0.99131	0.7845	0.9961	109.3041	54.21436	142.14876	17.2339	10.26711	19.9293	3.09E-09	4.41E-07	6.18E-08	9.53E-13	2.88E-12	2.27E-12	0	0	0	0	3.431E-12	2.0983E-11	6.17856E-08	9.74655E-13	0	4.86481E-13	0
294	571510.6	4178239	0.55, 41782	0.81688	0.65976	0.82266	100.30585	50.40167	129.05875	14.55844	9.03737	16.96469	2.55E-09	4E-07	5.26E-08	7.87E-13	2.38E-12	1.88E-12	0	0	0	0	2.834E-12	1.9051E-11	5.25945E-08	8.04952E-13	0	4.01777E-13	0
295	571550.6	4178239	0.55, 41782	0.68618	0.56281	0.69258	92.19218	46.80105	116.817	12.52836	7.96128	14.60636	2.15E-09	3.62E-07	4.53E-08	6.63E-13	2E-12	1.58E-12	0	0	0	0	2.386E-12	1.7244E-11	4.52831E-08	6.77674E-13	0	3.38249E-13	0
296	571590.6	4178239	0.55, 41782	0.57854	0.48285	0.58537	84.94405	43.3686	105.85184	10.89629	7.01254	13.23148	1.81E-09	3.28E-07	4.1E-08	5.6E-13	1.69E-12	1.34E-12	0	0	0	0	2.016E-12	1.5625E-11	4.10203E-08	5.72773E-13	0	2.85889E-13	0
297	570310.6	4178279	0.55, 41782	0.11004	0.07807	0.10589	74.04292	22.79319	77.67346	10.17864	3.64675	10.70288	3.28E-10	2.41E-07	3.32E-08	1.01E-13	3.06E-13	2.42E-13	0	0	0	0	3.648E-13	1.1465E-11	3.31823E-08	1.03609E-13	0	5.17146E-14	0
298	570350.6	4178279	0.55, 41782	0.12249	0.08802	0.11726	80.9847	23.74961	88.18196	11.08549	3.81596	12.05595	3.64E-10	2.73E-07	3.74E-08	1.12E-13	3.39E-13	2.68E-13	0	0	0	0	4.039E-13	1.3016E-11	3.73769E-08	1.14735E-13	0	5.72677E-14	0
299	570390.6	4178279	0.55, 41782	0.13757	0.10016	0.13084	86.03589	24.80698	96.47388	11.74551	4.00404	13.13274	4.06E-10	2.99E-07	4.07E-08	1.25E-13	3.78E-13	2.99E-13	0	0	0	0	4.507E-13	1.424E-11	4.0715E-08	1.28023E-13	0	6.39002E-14	0
300	570430.6	4178279	0.55, 41782	0.15607	0.11514	0.14747	96.31741	27.84204	100.58043	12.03968	4.46456	13.6645	4.57E-10	3.12E-07	4.24E-08	1.41E-13	4.26E-13	3.36E-13	0	0	0	0	5.08E-13	1.4847E-11	4.23634E-08	1.44295E-13	0	7.20223E-14	0
301	570470.6	4178279	0.55, 41782	0.17907	0.13378	0.16835	120.52086	33.01708	119.41006	15.06511	5.41696	14.92626	5.22E-10	3.7E-07	4.63E-08	1.61E-13	4.86E-13	3.84E-13	0	0	0	0	5.799E-13	1.7626E-11	4.62768E-08	1.64726E-13	0	8.22201E-14	0
302	570510.6	4178279	0.55, 41782	0.20795	0.15724	0.19497	141.57577	37.85068	153.41811	17.69697	6.30845	19.17726	6.04E-10	4.76E-07	5.95E-08	1.87E-13	5.63E-13	4.45E-13	0	0	0	0	6.716E-13	2.2646E-11	5.9455E-08	1.90774E-13	0	9.52213E-14	0
303	570550.6	4178279	0.55, 41782	0.24435	0.18714	0.22876	153.17347	42.50173	177.88461	19.14668	7.08362	22.23558	7.09E-10	5.51E-07	6.89E-08	2.19E-13	6.61E-13	5.22E-13	0	0	0	0	7.88E-13	2.6257E-11	6.89355E-08	2.23837E-13	0	1.11724E-13	0
304	570590.6	4178279	0.55, 41782	0.28993	0.22577	0.27077	157.86485	46.41285	177.78268	19.73311	7.73548	22.22284	8.39E-10	5.51E-07	6.89E-08	2.59E-13	7.82E-13	6.18E-13	0	0	0	0	9.327E-13	2.6242E-11	6.88965E-08	2.64944E-13	0	1.32242E-13	0
305	570630.6	4178279	0.55, 41782	0.34541	0.27631	0.32199	169.89337	50.77009	212.69617	21.23667	9.57894	26.58702	9.98E-10	6.59E-07	8.24E-08	3.08E-13	9.3E-13	7.35E-13	0	0	0	0	1.109E-12	3.1396E-11	8.24246E-08	3.15064E-13	0	1.57259E-13	0
306	570670.6	4178279	0.55, 41782	0.40869	0.34273	0.38328	189.16159	55.36754	226.13934	23.6452	11.64813	28.26742	1.19E-09	7.01E-07	8.76E-08	3.67E-13	1.11E-12	8.75E-13	0	0	0	0	1.32E-12	3.338E-11	8.76351E-08	3.75039E-13	0	1.87194E-13	0
307	570710.6	4178279	0.55, 41782	0.47241	0.42944	0.45188	202.37611	59.97812	249.97635	25.29701	13.4468	31.24704	1.4E-09	7.75E-07	9.69E-08	4.32E-13	1.31E-12	1.03E-12	0	0	0	0	1.557E-12	3.6898E-11	9.68718E-08	4.4217E-13	0	2.20701E-13	0
308	570750.6	4178279	0.55, 41782	0.52143	0.53099	0.51003	207.36077	66.44988	280.46815	28.38204	16.35494	35.05852	1.58E-09	8.69E-07	1.09E-07	4.88E-13	1.47E-12	1.16E-12	0	0	0	0	1.757E-12	4.1399E-11	1.08688E-07	4.99081E-13	0	2.49107E-13	0
309	570790.6	4178279	0.55, 41782	0.56782	0.69623	0.54766	217.33897	75.80804	318.83899	33.24185	20.36018	42.96761	1.7E-09	9.88E-07	1.33E-07	5.24E-13	1.58E-12	1.25E-12	0	0	0	0	1.887E-12	4.7063E-11	1.33206E-07	5.35934E-13	0	2.67502E-13	0
310	570830.6	4178279	0.55, 41782	0.62461	0.91706	0.58168	236.67869	94.57659	403.572	34.09074	24.90976	60.93237	1.8E-09	1.25E-06	1.89E-07	5.57E-13	1.68E-12	1.33E-12	0	0	0	0	2.004E-12	5.957E-11	1.88889E-07	5.69269E-13	0	2.8414E-13	0
311	570870.6	4178279	0.55, 41782	0.74364	1.27032	0.64347	232.57719	121.10786	430.4482	38.76287	29.17824	53.80602	2E-09	1.33E-06	1.67E-07	6.16E-13	1.86E-12	1.47E-12	0	0	0	0	2.217E-12	6.3538E-11	1.66805E-07	6.29804E-13	0	3.14355E-13	0
312	570910.6	4178279	0.55, 41782	0.98087	1.94043	0.78377	289.58181	139.00222	423.1545	48.26363	45.30681	59.61258	2.43E-09	1.31E-06	1.85E-07	7.5E-13	2.26E-12	1.79E-12	0	0	0	0	2.701E-12	6.2462E-11	1.8481E-07	7.67221E-13	0	3.82945E-13	0
313	570950.6	4178279	0.55, 41782	1.54705	3.33468	1.05206	380.89662	209.14004	464.4183	63.48277	60.99964	77.40305	3.26E-09	1.44E-06	2.4E-07	1.01E-12	3.04E-12	2.4E-12	0	0	0	0	3.626E-12	6.8555E-11	2.39965E-07	1.03003E-12	0	5.1412E-13	0
314	571150.6	4178279	0.55, 41782	125.5821	15.27099	61.53709	2183.625	235.47088	4321.7852	1020.3296	115.3363	966.08792	1.91E-07	1.34E-05	3E-06	5.89E-11	1.78E-10	1.4E-10	0	0	0	0	2.12E-10	6.3789E-10	2.99526E-06	6.0206E-11	0	3.00507E-11	0
315	571190.6	4178279	0.55, 41782	19.14498	7.50998	20.68123	704.1647	157.76938	1300.13062	186.41477	61.8786	262.75525	6.41E-08	4.03E-06	8.15E-07	1.98E-11	5.97E-11	4.72E-11	0	0	0	0	7.123E-11	1.919E-10	8.14569E-07	2.02338E-11	0	1.00993E-11	0
316	571230.6	4178279	0.55, 41782	9.41744	4.44398	9.68706	418.2482	120.63814	710.71948	87.01567	39.51148	138.35634	3E-08	2.2E-06	4.29E-07	9.27E-12	2.8E-11	2.21E-11	0	0	0	0	3.337E-11	1.0491E-10	4.2891E-07	9.47773E-12	0	4.73064E-12	0
317	571270.6	4178279	0.55, 41782	5.33507	3.02277	5.65407	265.61255	99.06709	486.13138	58.88721	29.56115	89.94232	1.75E-08	1.51E-06	2.79E-07	5.41E-12	1.63E-11	1.29E-11	0	0	0	0	1.948E-11	7.1755E-11	2.78827E-07	5.53199E-12	0	2.76119E-12	0
318	571310.6	4178279	0.55, 41782	3.44949	2.20529	3.73581	197.38222	83.78037	349.19747	42.40574	23.44903	62.97539	1.16E-08	1.08E-06	1.95E-07	3.57E-12	1.08E-11	8.52E-12	0	0	0	0	1.287E-11	5.1544E-11	1.95228E-07	3.6552E-12	0	1.82443E-12	0
319	571350.6	4178279	0.55, 41782	2.42474	1.67304	2.63741	164.77993	74.08708	262.11907	31.82391	19.20475	45.98547	8.18E-09	8.13E-07	1.43E-07	2.52E-12	7.62E-12	6.02E-12	0	0	0	0	9.085E-12	3.8691E-11	1.42559E-07	2.58053E-12	0	1.28802E-12	0
320	571390.6	4178279	0.55, 41782	1.80332	1.30805	1.94946	139.62437	66.18564	204.22507	24.75802	16.07748	34.84377	6.04E-09	6.33E-07	1.08E-07	1.86E-12	5.63E-12	4.45E-12	0	0	0	0	6.715E-12	3.0146E-11	1.08019E-07	1.90743E-12	0	9.5206E-13	0
321	571430.6	4178279	0.55, 41782	1.38872	1.04688	1.49158	120.07885	59.47148	164.54693	19.78612	13.66223	27.17412	4.62E-09	5.1E-07	8.42E-08	1.43E-12	4.31E-12	3.4E-12	0	0	0	0	5.138E-12	2.4289E-11	8.42431E-08	1.45943E-12	0	7.2845E-13	0
322	571470.6	4178279	0.55, 41782	1.11171	0.86066	1.18684	104.95004	53.66694	136.91558	16.34545	11.81303	21.87493	3.68E-09	4.24E-07	6.78E-08	1.14E-12	3.43E-12	2.71E-12	0	0	0	0	4.088E-12	2.021E-11	6.78153E-08	1.16127E-12	0	5.79626E-13	0
323	571510.6	4178279	0.55, 41782	0.90331	0.71725	0.95952	92.95227	48.50847	116.77816	13.70064	10.27697	17.93941	2.97E-09	3.62E-07	5.56E-08	9.18E-13	2.77E-12	2.19E-12	0	0	0	0	3.305E-12	1.7238E-11	5.56149E-08	9.38852E-13	0	4.68611E-13	0
324	571550.6	4178279	0.55, 41782	0.74685	0.60641	0.79002	83.35854	43.88956	102.16829	11.6678	9.00306	14.97338	2.45E-09	3.17E-07	4.64E-08	7.56E-13	2.28E-12	1.8E-12	0	0	0	0	2.721E-12	1.5082E-11	4.642E-08	7.73007E-13	0	3.85832E-13	0
325	571590.6	4178279	0.55, 41782	0.63093	0.52161	0.66513	75.57295	41.1264	91.05382	10.11638	7.96472	12.7323	2.06E-09	2.82E-07	3.95E-08	6.36E-13	1.92E-12	1.52E-12	0	0	0	0	2.291E-12	1.3441E-11	3.94724E-08	6.50809E-13	0	3.2484E-13	0
326	570310.6	4178319	0.55, 41783	0.1112	0.07908	0.10686	65.67409	25.12162	71.57917	10.72274	3.92383	11.92986	3.31E-10	2.22E-07	3.7E-08	1.02E-13	3.09E-13	2.44E-13	0	0	0	0	3.681E-13	1.0566E-11	3.69858E-08	1.04558E-13	0	5.21884E-14	0
327	570350.6	4178319	0.55, 41783	0.12381	0.08915	0.11863	72.99363	26.3644	78.028	10.96785	4.13077	12.26515	3.68E-10	2.42E-07	3.8E-08	1.13E-13	3.43E-13	2.71E-13	0	0	0	0	4.086E-13	1.1518E-11	3.80252E-08	1.16075E-13	0	5.79368E-14	0
328	570390.6	4178319	0.55, 41783	0.13907	0.1015	0.13256	85.61577	27.73961	87.79758	11.84211	4.3586	12.34233	4.11E-10	2.72E-07	3.83E-08	1.27E-13	3.83E-13	3.02E-13	0	0	0	0	4.566E-13	1.296E-11	3.82652E-08	1.29706E-13	0	6.47402E-14	0
329	570430.6	4178319	0.55, 41783	0.15783	0.11689	0.14946	97.99246	29.27563	105.83642	13.47747	4.61214	14.5399	4.63E-10	3.28E-07	4.51E-08	1.43E-13	4.32E-13	3.41E-13	0	0	0	0	5.148E-13	1.5622E-11	4.50779E-08	1.46242E-13	0	7.29942E-14	0
330	570470.6	4178319	0.55, 41783	0.18134	0.13633	0.17027	108.90086	31.01454	122.78	14.92794	4.89871	16.74752	5.28E-10	3.81E-07	5.19E-08	1.63E-13	4.92E-13	3.89E-13	0	0	0	0	5.865E-13	1.8123E-11	5.19217E-08	1.66605E-13	0	8.31579E-14	0
331	570510.6	4178319	0.55, 41783	0.21129	0.16124	0.19656	118.40452	33.29424	135.32696	15.9306	5.40834	18.39398	6.09E-10	4.19E-07	5.7E-08	1.88E-13	5.68E-13	4.48E-13	0	0	0	0	6.771E-13	1.9975E-11	5.70257E-08	1.9233E-13	0	9.59982E-14	0
332	570550.6	4178319	0.55, 41783	0.2503	0.19368	0.23096	153.9338	39.94632	153.89508	19.24172	6.62991	19.23689	7.16E-10	4.77E-07	5.96E-08	2.21E-13	6.67E-13	5.27E-13	0	0	0	0	7.956E-13	2.2716E-11	5.96412E-08	2.25991E-13	0	1.12799E-13	0
333	570590.6	4178319	0.55, 41783	0.30196	0.23671	0.27701	186.54438	46.61587	209.37606	23.31805	7.76931	26.17201	8.59E-10	6.49E-07	8.11E-08	2.65E-13	8E-13	6.32E-13	0	0	0	0	9.542E-13	3.0905E-11	8.114E-08	2.71051E-13	0	1.3529E-13	0
334	570630.6	4178319	0.55, 41783	0.37105	0.29503	0.3391	205.0145	52.79857	247.59232	25.62681	8.79976	30.94904	1.05E-09	7.67E-07	9.59E-08	3.24E-13	9.8E-13	7.74E-13	0	0	0	0	1.168E-12	3.6546E-11	9.59484E-08	3.31807E-13	0	1.65616E-13	0
335	570670.6	4178319	0.55, 41783	0.462	0.37572	0.42024	218.45656	59.57781	273.51496	27.30707	11.98561	34.18937	1.3E-09	8.48E-07	1.06E-07	4.02E-13	1.21E-12	9.59E-13	0	0	0	0	1.448E-12	4.0373E-11	1.05993E-07	4.11205E-13	0	2.05245E-13	0
336	570710.6	4178319	0.55, 41783	0.57218	0.48827	0.5224	242.44958	66.62286	291.17197	30.3062	15.15553	36.3965	1.62E-09	9.03E-07	1.13E-07	5E-13	1.51E-12	1.19E-12	0	0	0	0	1.8E-12	4.2979E-11	1.12837E-07	5.11173E-13	0	2.55143E-13	0
337	570750.6	4178319	0.55, 41783	0.67767	0.63416	0.63666	262.41203	72.71034	341.04886	32.8015	17.84948	42.63111	1.97E-09	1.06E-06	1.32E-07	6.09E-13	1.84E-12	1.45E-12	0	0	0	0	2.193E-12	5.0341E-11	1.32163E-07	6.22987E-13	0	3.10953E-13	0
338	570790.6	4178319	0.55, 41783	0.76041	0.85502	0.73352	285.66779	86.45349	381.79277	42.9347	23.67926	50.68659	2.27E-09	1.18E-06	1.57E-07	7.02E-13	2.12E-12	1.67E-12	0	0	0	0	2.527E-12	5.6355E-11	1.5714E-07	7.17796E-13	0	3.58275E-13	0
339	570830.6	4178319	0.55, 41783	0.82107	1.23378	0.77266	302.59427	109.05103	424.78874	45.07728	29.79255	65.49858	2.4E-09	1.32E-06	2.03E-07	7.39E-13	2.23E-12	1.76E-12	0	0	0	0	2.662E-12	6.2702E-11	2.03051E-07	7.56178E-13	0	3.77432E-13	0
340	570870.6	4178319	0.55, 41783	0.93174	1.8881	0.81484	263.71888	150.69846	583.61	37.23183	42.82711	79.94464	2.53E-09	1.81E-06	2.48E-07	7.8E-13	2.35E-12	1.86E-12	0	0	0	0	2.808E-12	8.6145E-11	2.4782E-07	7.97601E-13	0	3.98108E-13	0
341	570910.6	4178319	0.55, 41783	1.19482	3.5981	0.94641	225.26352	195.84246	582.08496	37.31993	59.22953	72.76062	2.94E-09	1.8E-06	2.26E-07	9.06E-13	2.74E-12	2.16E-12	0	0	0	0	3.263E-12	8.5921E-11	2.25553E-07	9.2673E-13	0	4.62561E-13	0
342	571190.6	4178319	0.55, 41783	29.13102	9.74239	24.19825	1204.46355	192.40018	1781.17361	337.10397	86.14095	400.692	7.5E-08	5.52E-06	1.24E-06	2.31E-11	6.99E-11	5.52E-11	0	0	0	0	8.335E-11	2.629E-10	1.24223E-06	2.36752E-11	0	1.1817E-11	0
343	571230.6	4178319	0.55, 41783	10.45163	5.25398	11.58574	479.33008	117.37647	725.29291	126.19986	44.06446	185.38424	3.59E-08	2.25E-06	5.75E-07	1.11E-11	3.35E-11	2.64E-11	0	0	0	0	3.991E-11	1.0706E-10	5.74706E-07	1.13353E-11	0	5.65783E-12	0
344	571270.6	4178319	0.55, 41783	5.72808	3.4301	6.64009	292.22118	96.9874	479.91721	63.79547	33.00222	105.59121	2.06E-08	1.49E-06	3.27E-07	6.35E-12	1.92E-11	1.51E-11	0	0	0	0	2.287E-11	7.0838E-11	3.27334E-07	6.49668E-12	0	3.2427E-12	0
345	571310.6	4178319	0.55, 41783	3.67711	2.43151	4.23514	175.48484	83.52768	339.71763	43.52526	25.92364	69.01312	1.31E-08	1.05E-06	2.14E-07	4.05E-12	1.22E-11	9.66E-12	0	0	0	0	1.459E-11	5.0145E-11	2.13943E-07	4.14373E-12	0	2.06827E-12	0
346	571350.6	4178319	0.55, 41783	2.57847	1.81872	2.91777	135.74456	73.58424	245.66728	31.86463	21.08438	47.561	9.05E-09	7.62E-07	1.47E-07	2.79E-12	8.43E-12	6.66E-12	0	0	0	0	1.005E-11	3.6263E-11	1.47443E-07	2.85483E-12	0	1.42494E-12	0
347	571390.6	4178319	0.55, 41783	1.91038	1.41202	2.12389	114.67965	65.84745	189.40245	24.95277	17.54375	35.6451	6.58E-09	5.87E-07	1.11E-07	2.03E-12	6.13E-12	4.85E-12	0	0	0	0	7.316E-12	2.7958E-11	1.10503E-07	2.0781E-12	0	1.03724E-12	0
348	571430.6	4178319	0.55, 41783	1.47151	1.12853	1.61377	100.57811	59.61061	161.57422	20.18585	14.84739	27.57311	5E-09	5.01E-07	8.55E-08	1.54E-12	4.66E-12	3.68E-12	0	0	0	0	5.559E-12	2.385E-11	8.54801E-08	1.57899E-12	0	7.88124E-13	0
349	571470.6	4178319	0.55, 41783	1.16585	0.92218	1.2649	90.09229	54.43044	139.38169	16.69193	12.71837	21.87498	3.92E-09	4.32E-07	6.78E-08	1.21E-12	3.65E-12	2.89E-12	0	0	0	0	4.357E-12	2.0574E-11	6.78158E-08	1.23765E-12	0	6.17749E-13	0
350	571510.6	4178319	0.55, 41783	0.94595	0.76805	1.01773	81.52103	50.05282	121.69	14.06823	11.00608	17.76049	3.16E-09	3.77E-07	5.51E-08	9.74E-13	2.94E-12	2.32E-12	0	0	0	0	3.506E-12	1.7963E-11	5.50607E-08	9.95809E-13	0	4.9704E-13	0
351	571550.6	4178319	0.55, 41783	0.78212	0.64956	0.83556	74.38547	46.28731	107.35752	12.02264	9.59923	14.66288	2.59E-09	3.33E-07	4.55E-08	7.99E-13	2.41E-12	1.91E-12	0	0	0	0	2.878E-12	1.5847E-11	4.54579E-08	8.17568E-13	0	4.08074E-13	0
352	571590.6	4178319	0.55, 41783	0.65442	0.55508	0.69496	68.29245	42.98116	95.34122	10.3334	8.40789	12.26582	2.15E-09	2.96E-07	3.8E-08	6.65E-13	2.01E-12	1.59E-12	0	0	0	0	2.394E-12	1.4074E-11	3.80267E-08	6.79999E-13	0	3.39409E-13	0
353	570310.6	4178359	0.55, 41783	0.11229	0.07993	0.10794	69.29068	26.58817	75.81746	11.54845	4.0095	12.46153	3.35E-10	2.35E-07	3.86E-08	1.03E-13	3.12E-13	2.46E-13	0	0	0	0	3.718E-13	1.1192E-11	3.86344E-08	1.05615E-13	0	5.27159E-14	0
354	570350.6	4178359	0.55, 41783	0.12531	0.09043	0.1201	75.30937	28.06345	82.61098	12.55156	4.25756	13.7685	3.72E-10	2.56E-07	4.27E-08	1.15E-13	3.47E-13	2.74E-13	0	0	0	0	4.137E-13	1.2194E-11	4.26862E-08	1.17514E-13	0	5.86548E-14	0
355	570390.6	4178359	0.55, 41783	0.14084	0.10296	0.13441	81.29058	29.71471	90.82388	13.54843	4.53386	15.13731	4.17E-10	2.82E-07	4.69E-08	1.29E-13	3.88E-13	3.07E-13	0	0	0	0	4.63E-13	1.3407E-11	4.69297E-08	1.31516E-13	0	6.56437E-14	0
356	570430.6	4178359	0.55, 41783	0.15989	0.11858	0.15186	87.11605	31.54887	98.44842	14.51934	4.83992	16.40807	4.71E-10	3.05E-07	5.09E-08	1.45E-13	4.39E-13	3.46E-13	0	0	0	0	5.231E-13	1.4532E-11	5.08692E-08	1.48591E-13	0	7.41663E-14	0
357	570470.6	4178359	0.55, 41783	0.18374	0.13844	0.17326	97.3598	33.59814	106.34308	15.36354	5.1813	17.51553	5.37E-10	3.3E-07	5.43E-08	1.66E-13	5E-13	3.95E-13	0	0	0	0	5.968E-13	1.5697E-11	5.43025E-08	1.69531E-13	0	8.46182E-14	0
358	570510.6	4178359	0.55, 41783	0.21432	0.16421	0.20002	118.04415	35.93263	125.3205	16.48105	5.5698	18.1537	6.2E-10	3.88E-07	5.63E-08	1.91E-13	5.78E-13	4.56E-13	0	0	0	0	6.89E-13	1.8499E-11	5.62815E-08	1.95716E-13	0	9.7688E-14	0
359	570550.6	4178359	0.55, 41783	0.25472	0.19842	0.23435	139.50155	38.63371	157.96544	19.4148	6.01971	21.81117	7.27E-10	4.9E-07	6.76E-08	2.24E-13	6.77E-13	5.35E-13	0	0	0	0	8.073E-13	2.3317E-11	6.76203E-08	2.29309E-13	0	1.14455E-13	0
360	570590.6	4178359	0.55, 41783	0.30979	0.24497	0.28017	159.83108	41.83842	190.36526	22.23989	6.84975	26.13545	8.69E-10	5.9E-07	8.1E-08	2.68E-13	8.09E-13	6.39E-13	0	0	0	0	9.651E-13	2.8099E-11	8.10258E-08	2.74145E-13	0	1.36834E-13	0
361	570630.6	4178359	0.55, 41783	0.38734	0.31015	0.34391	206.43147	51.05257	211.21178	25.80393	8.50876	28.98998	1.07E-09	6.55E-07	8.99E-08	3.29E-13	9.93E-13	7.85E-13	0	0	0	0	1.185E-12	3.1177E-11	8.98765E-08	3.36517E-13	0	1.67966E-13	0
362	570670.6	4178359	0.55, 41783	0.50063	0.40488	0.43681	262.98595	60.70684	312.78941	32.87324	10.74505	39.09868	1.35E-09	9.7E-07	1.21E-07	4.18E-13	1.26E-12	9.97E-13	0	0	0	0	1.505E-12	4.617E-11	1.21214E-07	4.27422E-13	0	2.1334E-13	0
363	570710.6	4178359	0.55, 41783	0.66972	0.54814	0.57453	304.17814	72.14807	380.66102	38.02227	15.71205	47.58263	1.78E-09	1.18E-06	1.48E-07	5.5E-13	1.66E-12	1.31E-12	0	0	0	0	1.979E-12	5.6188E-11	1.47515E-07	5.62187E-13	0	2.80605E-13	0
364	570750.6	4178359	0.55, 41783	0.90523	0.76876	0.77041	339.35657	85.82023	445.46467	44.72327	21.31802	55.68308	2.39E-09	1.38E-06	1.73E-07	7.37E-13	2.23E-12	1.76E-12	0	0	0	0	2.654E-12	6.5753E-11	1.72628E-07	7.53867E-13	0	3.76279E-13	0
365	570790.6	4178359	0.55, 41783	1.13154	1.06104	0.98839	377.53193	96.31599	507.3356	54.94081	27.90141	63.41695	3.06E-09	1.57E-06	1.97E-07	9.46E-13	2.86E-12	2.26E-12	0	0	0	0	3.405E-12	7.4885E-11	1.96608E-07	9.67183E-13	0	4.82752E-13	0
366	570830.6	4178359	0.55, 41783	1.33226	1.74963	1.18947	411.58415	139.14147	649.42864	69.46909	37.35577	97.59965	3.69E-09	2.01E-06	3.03E-07	1.14E-12	3.44E-12	2.71E-12	0	0	0	0	4.098E-12	9.5859E-11	3.02569E-07	1.16406E-12	0	5.81021E-13	0
367	570870.6	4178359	0.55, 41783	1.45984	3.38436	1.19217	346.78431	184.49712	847.26971	52.43952	61.49528	124.03925	3.7E-09	2.63E-06	3.85E-07	1.14E-12	3.45E-12	2.72E-12	0	0	0	0	4.109E-12	1.2506E-10	3.84505E-07	1.1671E-12	0	5.82538E-13	0
368	571150.6	4178359	0.55, 41783	17.36196	17.82412	10.70274	1537.79423	258.8776	2153.28101	350.34789	128.93656	372.67701	3.32E-08	6.67E-06	1.16E-06	1.02E-11	3.09E-11	2.44E-11	0	0	0	0	3.688E-11	3.1783E-10	1.15541E-06	1.04748E-11	0	5.22829E-12	0
369	571190.6	4178359	0.55, 41783	10.35157	8.16971	8.42586	590.93034	162.31709	1380.32388	161.82999	76.08872	218.22557	2.61E-08	4.28E-06	6.77E-07	8.06E-12	2.43E-11	1.92E-11	0	0	0	0	2.903E-11	2.0374E-10	6.76528E-07	8.24488E-12	0	4.11528E-12	0
370	571230.6	4178359	0.55, 41783	6.41954	4.85697	6.11014	429.96716	118.18476	649.38165	103.83364	47.29307	136.54892	1.89E-08	2.01E-06	4.23E-07	5.85E-12	1.76E-11	1.39E-11	0	0	0	0	2.105E-11	9.5852E-11	4.23322E-07	5.97862E-12	0	2.98412E-12	0
371	571270.6	4178359	0.55, 41783	4.24607	3.28764	4.46672	330.34534	97.41521	669.03521	71.25122	30.79427	101.30501	1.38E-08	2.07E-06	3.14E-07	4.27E-12	1.29E-11	1.02E-11	0	0	0	0	1.539E-11	9.8751E-11	3.14056E-07	4.3705E-12	0	2.18145E-12	0
372	571310.6	4178359	0.55, 41783	3.01802	2.39332	3.29044	280.32399	84.30249	476.5001	47.38187	23.6076	69.83839	1.02E-08	1.48E-06	2.17E-07	3.15E-12	9.5E-12	7.51E-12	0	0	0	0	1.133E-11	7.0333E-11	2.16505E-07	3.21955E-12	0	1.60698E-12	0
373	571350.6	4178359	0.55, 41783	2.25439	1.82521	2.47896	223.1696	75.03337	276.07803	32.74083	19.24184	47.29925	7.69E-09	8.56E-07	1.47E-07	2.37E-12	7.16E-12	5.66E-12	0	0	0	0	8.539E-12	4.0751E-11	1.46632E-07	2.42555E-12	0	1.21067E-12	0
374	571390.6	4178359	0.55, 41783	1.7395	1.43625	1.90839	164.0034	68.00709	177.73654	25.39154	16.17569	38.72375	5.92E-09	5.51E-07	1.2E-07	1.83E-12	5.51E-12	4.35E-12	0	0	0	0	6.574E-12	2.6236E-11	1.20046E-07	1.86728E-12	0	9.32021E-13	0
375	571430.6	4178359	0.55, 41783	1.37666	1.15767	1.50113	113.66708	62.41604	162.05892	21.33563	13.79366	30.03325	4.65E-09	5.02E-07	9.31E-08	1.44E-12	4.34E-12	3.43E-12	0	0	0	0	5.171E-12	2.3922E-11	9.31063E-08	1.4688E-12	0	7.33127E-13	0
376	571470.6	4178359	0.55, 41783	1.11313	0.95193	1.20554	91.64258	57.80687	139.39839	17.74486	11.89568	22.85385	3.74E-09	4.32E-07	7.09E-08	1.15E-12	3.48E-12	2.75E-12	0	0	0	0	4.153E-12	2.0577E-11	7.08507E-08	1.17958E-12	0	5.88768E-13	0
377	571510.6	4178359	0.55, 41783	0.9166	0.79605	0.98663	82.11168	53.90312	116.32041	14.64829	10.35284	20.08654	3.06E-09	3.61E-07	6.23E-08	9.44E-13	2.85E-12	2.25E-12	0	0	0	0	3.399E-12	1.7171E-11	6.22707E-08	9.65392E-13	0	4.81858E-13	0
378	571550.6	4178359	0.55, 41783	0.76622	0.67498	0.82026	72.9064	50.52239	102.58687	12.13868	9.07968	17.28494	2.54E-09	3.18E-07	5.36E-08	7.85E-13	2.37E-12	1.87E-12	0	0	0	0	2.826E-12	1.5143E-11	5.3585E-08	8.02606E-13	0	4.00606E-13	0
379	571590.6	4178359	0.55, 41783	0.64386	0.57575	0.68602	65.94968	47.48497	92.44167	10.99161	8.00686	15.40694	2.13E-09	2.87E-07	4.78E-08	6.56E-13	1.98E-12	1.57E-12	0	0	0	0	2.363E-12	1.3646E-11	4.77632E-08	6.71258E-13	0	3.35046E-13	0
380	570310.6	4178399	0.55, 41783	0.11287	0.08031	0.1093	71.34246	27.87564	79.43468	11.89041	3.82503	13.23911	3.39E-10	2.46E-07	4.1E-08	1.05E-13	3.16E-13	2.49E-13	0	0	0	0	3.765E-13	1.1725E-11	4.10448E-08	1.06946E-13	0	5.338E-14	0
381	570350.6	4178399	0.55, 41783	0.12665	0.09175	0.12214	75.96419	29.57043	83.22909	12.46202	4.12173	13.80548	3.79E-10	2.58E-07	4.28E-08	1.17E-13	3.53E-13	2.79E-13	0	0	0	0	4.207E-13	1.2286E-11	4.28007E-08	1.1951E-13	0	5.9651E-14	0
382	570390.6	4178399	0.55, 41783	0.1425	0.10434	0.13672	83.29233	31.439	92.96873	13.04897	4.44958	14.404	4.24E-10	2.88E-07	4.47E-08	1.31E-13	3.95E-13	3.12E-13	0	0	0	0	4.71E-13	1.3723E-11	4.46563E-08	1.33776E-13	0	6.67718E-14	0
383	570430.6	4178399	0.55, 41783	0.16211	0.12032	0.15453	91.32735	33.521	103.76057	14.59534	4.81492	15.65812	4.79E-10	3.22E-07	4.85E-08	1.48E-13	4.46E-13	3.53E-13	0	0	0	0	5.323E-13	1.5316E-11	4.85448E-08	1.51203E-13	0	7.54703E-14	0
384	570470.6	4178399	0.55, 41783	0.18668	0.14051	0.17655	100.43451	35.89015	115.76296	16.57018	5.22899	18.35818	5.47E-10	3.59E-07	5.69E-08	1.69E-13	5.1E-13	4.03E-13	0	0	0	0	6.082E-13	1.7088E-11	5.69153E-08	1.7275E-13	0	8.62249E-14	0
385	570510.6	4178399	0.55, 41783	0.21834	0.16684	0.20421	112.76596	38.62084	128.93318	18.79433	5.70408	21.48886	6.33E-10	4E-07	6.66E-08	1.95E-13	5.9E-13	4.66E-13	0	0	0	0	7.034E-13	1.9032E-11	6.66208E-08	1.99815E-13	0	9.97343E-14	0
386	570550.6	4178399	0.55, 41783	0.26039	0.20212	0.2399	127.75395	41.82578	149.79254	21.29232	6.25899	24.96542	7.44E-10	4.64E-07	7.74E-08	2.3E-13	6.93E-13	5.47E-13	0	0	0	0	8.264E-13	2.2111E-11	7.73985E-08	2.34739E-13	0	1.17166E-13	0
387	570590.6	4178399	0.55, 41783	0.3185	0.25095	0.28739	144.10526	45.67081	172.10131	24.01754	7.17597	28.68355	8.91E-10	5.33E-07	8.89E-08	2.75E-13	8.3E-13	6.56E-13	0	0	0	0	9.9E-13	2.5404E-11	8.89252E-08	2.8121E-13	0	1.40361E-13	0
388	570630.6	4178399	0.55, 41783	0.40291	0.32135	0.35272	177.65061	50.39519	203.06539	27.05917	8.74903	32.05961	1.09E-09	6.29E-07	9.94E-08	3.37E-13	1.02E-12	8.05E-13	0	0	0	0	1.215E-12	2.9974E-11	9.93919E-08	3.45138E-13	0	1.7227E-13	0
389	570670.6	4178399	0.55, 41783	0.53348	0.4284	0.44753	224.79663	56.41372	278.51402	32.60934	10.76331	39.25369	1.39E-09	8.63E-07	1.22E-07	4.28E-13	1.29E-12	1.02E-12	0	0	0	0	1.542E-12	4.111E-11	1.21695E-07	4.37916E-13	0	2.18578E-13	0
390	570710.6	4178399	0.55, 41783	0.75271	0.60288	0.59636	297.96202	70.92072	361.49768	41.13122	14.0152	50.83456	1.85E-09	1.12E-06	1.58E-07	5.71E-13	1.72E-12	1.36E-12	0	0	0	0	2.054E-12	5.3359E-11	1.57597E-07	5.83557E-13	0	2.91272E-13	0
391	570750.6	4178399	0.55, 41783	1.15447	0.90762	0.85203	416.42427	90.04322	551.74774	52.05303	22.1169	68.96847	2.64E-09	1.71E-06	2.14E-07	8.15E-13	2.46E-12	1.94E-12	0	0	0	0	2.935E-12	8.144E-11	2.13812E-07	8.33752E-13	0	4.16152E-13	0
392	570790.6	4178399	0.55, 41783	1.70092	1.35462	1.23288	632.44551	121.09647	736.15706	79.05569	31.00919	92.01963	3.82E-09	2.28E-06	2.85E-07	1.18E-12	3.56E-12	2.81E-12	0	0	0	0	4.247E-12	1.0866E-10	2.85282E-07	1.20644E-12	0	6.02174E-13	0
393	570830.6	4178399	0.55, 41783	3.46088	2.976	2.05541	854.46592	185.76652	929.26678	157.19416	64.23703	133.05669	6.37E-09	2.88E-06	4.13E-07	1.97E-12	5.94E-12	4.69E-12	0	0	0	0	7.081E-12	1.3717E-10	4.12543E-07	2.01153E-12	0	1.00402E-12	0
394	571110.6	4178399	0.55, 41783	4.7766	17.70794	5.53677	386.44752	237.89657	1139.86397	91.74551	117.26543	182.49582	1.72E-08	3.53E-06	5.66E-07	5.3E-12	1.6E-11	1.26E-11	0	0	0	0	1.908E-11	1.6825E-10	5.65724E-07	5.42077E-12	0	2.70568E-12	0
395	571150.6	4178399	0.55, 41783	4.75682	9.04164	4.75414	493.27775	194.83019	977.82769	91.47407	80.27894	179.74579	1.47E-08	3.03E-06	5.57E-07	4.55E-12	1.37E-11	1.09E-11	0	0	0	0	1.638E-11	1.4433E-10	5.572E-07	4.65307E-12	0	2.32249E-12	0
396	571190.6	4178399	0.55, 41783	4.13591	5.67532	3.9763	541.83424	159.29594	784.3481	82.25115	55.55038	130.43816	1.23E-08	2.43E-06	4.04E-07	3.8E-12	1.15E-11	9.07E-12	0	0	0	0	1.37E-11	1.1577E-10	4.04363E-07	3.89131E-12	0	1.94228E-12	0
397	571230.6	4178399	0.55, 41783	3.34043	3.91116	3.41587	419.25179	113.41297	723.05548	67.92735	42.50701	103.29364	1.06E-08	2.24E-06	3.2E-07	3.27E-12	9.87E-12	7.79E-12	0	0	0	0	1.177E-11	1.0673E-10	3.20217E-07	3.34262E-12	0	1.66841E-12	0
398	571270.6	4178399	0.55, 41783	2.69096	2.84934	2.72459	276.99568	96.24025	620.23738	46.4546	32.10306	94.16047	8.45E-09	1.92E-06	2.92E-07	2.61E-12	7.87E-12	6.22E-12	0	0	0	0	9.386E-12	9.1549E-11	2.9189E-07	2.6661E-12	0	1.33074E-12	0
399	571310.6	4178399	0.55, 41783	2.15304	2.16763	2.23142	240.01182	84.08056	257.12386	39.08125	24.00367	52.53394	6.92E-09	7.97E-07	1.63E-07	2.13E-12	6.45E-12	5.09E-12	0	0	0	0	7.687E-12	3.7954E-11	1.62862E-07	2.18348E-12	0	1.08984E-12	0
400	571350.6	4178399	0.55, 41783	1.74135	1.70512	1.85867	224.12525	73.73672	326.22415	31.06226	18.34101	44.13622	5.76E-09	1.01E-06	1.37E-07	1.78E-12	5.37E-12	4.24E-12	0	0	0	0	6.403E-12	4.8153E-11	1.36827E-07	1.81871E-12	0	9.07776E-13	0
401	571390.6	4178399	0.55, 41783	1.43215	1.37481	1.54866	207.21833	64.01827	312.56807	26.21992	15.02288	39.07101	4.8E-09	9.69E-07	1.21E-07	1.48E-12	4.47E-12	3.53E-12	0	0	0	0	5.335E-12	4.6137E-11	1.21123E-07	1.51535E-12	0	7.56361E-13	0
402	571430.6	4178399	0.55, 41783	1.19016	1.12906	1.29293	179.9524	59.14274	244.73255	22.49405	12.88734	30.59157	4.01E-09	7.59E-07	9.48E-08	1.24E-12	3.73E-12	2.95E-12	0	0	0	0	4.454E-12	3.6124E-11	9.48378E-08	1.26512E-12	0	6.31461E-13	0
403	571470.6	4178399	0.55, 41783	0.9966	0.93995	1.08271	146.8642	55.47011	170.50633	18.35802	11.23121	21.31329	3.36E-09	5.29E-07	6.61E-08	1.04E-12	3.13E-12	2.47E-12	0	0	0	0	3.73E-12	2.5169E-11	6.60762E-08	1.05942E-12	0	5.2879E-13	0
404	571510.6	4178399	0.55, 41783	0.8441	0.79417	0.91453	113.63796	52.27286	111.23462	14.20474	9.85599	18.36688	2.84E-09	3.45E-07	5.69E-08	8.75E-13	2.64E-12	2.09E-12	0	0	0	0	3.15E-12	1.642E-11	5.69403E-08	8.94857E-13	0	4.46652E-13	0
405	571550.6	4178399	0.55, 41783	0.71988	0.67749	0.77601	84.04695	49.45688	81.90115	12.59546	8.65245	16.41022	2.41E-09	2.54E-07	5.09E-08	7.42E-13	2.24E-12	1.77E-12	0	0	0	0	2.673E-12	1.209E-11	5.08742E-08	7.59318E-13	0	3.79E-13	0
406	571590.6	4178399	0.55, 41783	0.61846	0.58359	0.66441	61.25343	46.95039	82.40366	11.31778	7.65227	14.12983	2.06E-09	2.55E-07	4.38E-08	6.36E-13	1.92E-12	1.52E-12	0	0	0	0	2.289E-12	1.2164E-11	4.38051E-08	6.50119E-13	0	3.24495E-13	0
407	570310.6	4178439	0.55, 41784	0.11265	0.08111	0.10949	78.47962	27.91467	88.7071	13.07994	3.48933	14.78452	3.39E-10	2.75E-07	4.58E-08	1.05E-13	3.16E-13	2.5E-13	0	0	0	0	3.772E-13	1.3094E-11	4.58358E-08	1.07132E-13	0	5.34728E-14	0
408	570350.6	4178439	0.55, 41784	0.12585	0.09139	0.12175	84.54471	29.62734	96.42477	14.09078	3.70342	16.0708	3.77E-10	2.99E-07	4.98E-08	1.16E-13	3.52E-13	2.78E-13	0	0	0	0	4.194E-13	1.4233E-11	4.98235E-08	1.19128E-13	0	5.94605E-14	0
409	570390.6	4178439	0.55, 41784	0.14252	0.10489	0.13706	91.50908	31.67143	105.54781	15.25151	4.06451	17.5913	4.25E-10	3.27E-07	5.45E-08	1.31E-13	3.96E-13	3.13E-13	0	0	0	0	4.721E-13	1.558E-11	5.45373E-08	1.34109E-13	0	6.69379E-14	0
410	570430.6	4178439	0.55, 41784	0.16313	0.12204	0.15568	99.54775	33.93845	116.15512	16.59129	4.47421	19.35919	4.83E-10	3.6E-07	6E-08	1.49E-13	4.5E-13	3.55E-13	0	0	0	0	5.363E-13	1.7146E-11	6.0018E-08	1.52328E-13	0	7.6032E-14	0
411	570470.6	4178439	0.55, 41784	0.18858	0.14267	0.1783	108.92524	36.54882	128.38607	18.15421	4.93599	21.39768	5.53E-10	3.98E-07	6.63E-08	1.71E-13	5.15E-13	4.07E-13	0	0	0	0	6.142E-13	1.8951E-11	6.63376E-08	1.74462E-13	0	8.70797E-14	0
412	570510.6	4178439	0.55, 41784	0.22167	0.16966	0.20722	120.34611	39.98702	143.34164	20.05769	5.68986	23.89027	6.42E-10	4.44E-07	7.41E-08	1.98E-13	5.99E-13	4.73E-13	0	0	0	0	7.138E-13	2.1159E-11	7.4065E-08	2.02761E-13	0	1.01204E-13	0
413	570550.6	4178439	0.55, 41784	0.2658	0.20594	0.24496	134.27176	44.24032	161.13607	22.37863	6.83821	26.85601	7.59E-10	4.99E-07	8.33E-08	2.34E-13	7.08E-13	5.59E-13	0	0	0	0	8.438E-13	2.3785E-11	8.32593E-08	2.3969E-13	0	1.19637E-13	0
414	570590.6	4178439	0.55, 41784	0.3272	0.25654	0.29583	151.91315	49.32778	182.29969	25.31886	8.30482	30.38328	9.17E-10	5.65E-07	9.42E-08	2.83E-13	8.55E-13	6.75E-13	0	0	0	0	1.019E-12	2.6909E-11	9.41946E-08	2.89468E-13	0	1.44483E-13	0
415	570630.6	4178439	0.55, 41784	0.41735	0.33056	0.3671	175.42083	55.6235	213.97884	29.2368	10.21264	34.63299	1.14E-09	6.63E-07	1.07E-07	3.51E-13	1.06E-12	8.38E-13	0	0	0	0	1.265E-12	3.1585E-11	1.0737E-07	3.59208E-13	0	1.79292E-13	0
416	570670.6	4178439	0.55, 41784	0.56024	0.44648	0.47194	208.37177	63.80907	268.23017	34.72863	12.75328	41.38807	1.46E-09	8.31E-07	1.28E-07	4.52E-13	1.36E-12	1.08E-12	0	0	0	0	1.626E-12	3.9593E-11	1.28312E-07	4.618E-13	0	2.30499E-13	0
417	570710.6	4178439	0.55, 41784	0.81434	0.64609	0.63688	258.28683	75.2647	339.8113	43.04781	16.40047	56.02404	1.97E-09	1.05E-06	1.74E-07	6.09E-13	1.84E-12	1.45E-12	0	0	0	0	2.194E-12	5.0158E-11	1.73683E-07	6.23208E-13	0	3.11063E-13	0
418	570750.6	4178439	0.55, 41784	1.35572	1.03003	0.91926	343.9155	93.10334	457.76974	57.16949	22.25077	76.29496	2.85E-09	1.42E-06	2.37E-07	8.8E-13	2.66E-12	2.1E-12	0	0	0	0	3.167E-12	6.7569E-11	2.36525E-07	8.99555E-13	0	4.48997E-13	0
419	570790.6	4178439	0.55, 41784	3.18264	2.0617	1.49283	571.47263	129.70009	738.76969	95.66015	38.79176	110.20608	4.63E-09	2.29E-06	3.42E-07	1.43E-12	4.31E-12	3.41E-12	0	0	0	0	5.143E-12	1.0905E-10	3.41665E-07	1.46095E-12	0	7.29207E-13	0
420	571070.6	4178439	0.55, 41784	4.74443	12.25677	5.33303	251.71558	235.3671	557.08631	48.15254	87.29167	78.37734	1.65E-08	1.73E-06	2.43E-07	5.1E-12	1.54E-11	1.22E-11	0	0	0	0	1.838E-11	8.2233E-11	2.42972E-07	5.22014E-12	0	2.60554E-12	0
421	571110.6	4178439	0.55, 41784	3.89854	10.39914	4.234	292.37938	213.76959	730.76501	54.55193	96.69541	95.26587	1.31E-08	2.27E-06	2.95E-07	4.05E-12	1.22E-11	9.66E-12	0	0	0	0	1.459E-11	1.0787E-10	2.95323E-07	4.14454E-12	0	2.06867E-12	0
422	571150.6	4178439	0.55, 41784	3.24566	6.14355	3.38328	299.25996	151.74182	537.6659	53.26943	58.88405	104.89405	1.05E-08	1.67E-06	3.25E-07	3.24E-12	9.78E-12	7.72E-12	0	0	0	0	1.166E-11	7.9364E-11	3.25165E-07	3.31128E-12	0	1.65276E-12	0
423	571190.6	4178439	0.55, 41784	2.68652	4.20662	2.81661	319.22111	114.25705	663.08885	45.60302	42.68486	97.00809	8.73E-09	2.06E-06	3.01E-07	2.7E-12	8.14E-12	6.43E-12	0	0	0	0	9.704E-12	9.7874E-11	3.00716E-07	2.75645E-12	0	1.37583E-12	0
424	571230.6	4178439	0.55, 41784	2.2851	3.10379	2.38014	355.31137	114.374	594.35462	48.25343	33.87475	78.4876	7.38E-09	1.84E-06	2.43E-07	2.28E-12	6.88E-12	5.43E-12	0	0	0	0	8.2E-12	8.773E-11	2.43314E-07	2.32919E-12	0	1.16257E-12	0
425	571270.6	4178439	0.55, 41784	1.91581	2.39067	2.08735	281.61312	92.35093	457.23387	43.32371	28.45229	65.31912	6.47E-09	1.42E-06	2.02E-07	2E-12	6.03E-12	4.76E-12	0	0	0	0	7.191E-12	6.749E-11	2.02494E-07	2.04259E-12	0	1.01952E-12	0
426	571310.6	4178439	0.55, 41784	1.62017	1.88774	1.73959	249.98498	75.512	443.82502	38.72011	23.46838	65.04063	5.39E-09	1.38E-06	2.02E-07	1.66E-12	5.03E-12	3.97E-12	0	0	0	0	5.993E-12	6.551E-11	2.01627E-07	1.70226E-12	0	8.49653E-13	0
427	571350.6	4178439	0.55, 41784	1.36969	1.52492	1.4607	207.90528	71.02603	289.54604	31.99215	18.96422	43.80183	4.53E-09	8.98E-07	1.36E-07	1.4E-12	4.22E-12	3.33E-12	0	0	0	0	5.032E-12	4.2739E-11	1.35791E-07	1.42934E-12	0	7.1343E-13	0
428	571390.6	4178439	0.55, 41784	1.16602	1.25794	1.25769	137.82846	66.02867	157.99714	21.56098	15.29437	27.7078	3.9E-09	4.9E-07	8.59E-08	1.2E-12	3.63E-12	2.87E-12	0	0	0	0	4.333E-12	2.3323E-11	8.58987E-08	1.23068E-12	0	6.14269E-13	0
429	571430.6	4178439	0.55, 41784	1.00225	1.05165	1.08939	150.81052	60.59063	188.78292	19.07395	12.70811	25.02004	3.38E-09	5.85E-07	7.76E-08	1.04E-12	3.15E-12	2.49E-12	0	0	0	0	3.753E-12	2.7866E-11	7.75659E-08	1.06598E-12	0	5.32065E-13	0
430	571470.6	4178439	0.55, 41784	0.86528	0.88825	0.94207	153.64691	54.59461	206.40776	19.20586	10.6849	25.80097	2.92E-09	6.4E-07	8E-08	9.01E-13	2.72E-12	2.15E-12	0	0	0	0	3.245E-12	3.0467E-11	7.99865E-08	9.21822E-13	0	4.60111E-13	0
431	571510.6	4178439	0.55, 41784	0.75493	0.76151	0.82291	144.52703	49.13224	189.90829	18.06588	9.74189	23.73854	2.55E-09	5.89E-07	7.36E-08	7.87E-13	2.38E-12	1.88E-12	0	0	0	0	2.835E-12	2.8032E-11	7.3593E-08	8.05219E-13	0	4.01911E-13	0
432	571550.6	4178439	0.55, 41784	0.65913	0.65716	0.71761	127.58758	46.59598	156.05984	15.94845	8.8858	19.50748	2.22E-09	4.84E-07	6.05E-08	6.87E-13	2.07E-12	1.64E-12	0	0	0	0	2.472E-12	2.3036E-11	6.04771E-08	7.02181E-13	0	3.50481E-13	0
433	571590.6	4178439	0.55, 41784	0.57626	0.57045	0.62441	106.82976	44.35137	118.44703	13.35372	8.08009	14.80588	1.94E-09	3.67E-07	4.59E-08	5.97E-13	1.8E-12	1.42E-12	0	0	0	0	2.151E-12	1.7484E-11	4.59022E-08	6.10985E-13	0	3.04962E-13	0
434	570310.6	4178479	0.55, 41784	0.1113	0.08183	0.10709	74.58423	29.47815	84.27127	11.80727	4.00274	12.56763	3.32E-10	2.61E-07	3.9E-08	1.02E-13	3.09E-13	2.44E-13	0	0	0	0	3.689E-13	1.2439E-11	3.89634E-08	1.04784E-13	0	5.2301E-14	0
435	570350.6	4178479	0.55, 41784	0.12561	0.09388	0.12027	80.0812	31.76761	91.05741	12.83362	4.33491	13.82729	3.73E-10	2.82E-07	4.29E-08	1.15E-13	3.47E-13	2.74E-13	0	0	0	0	4.143E-13	1.3441E-11	4.28686E-08	1.17681E-13	0	5.87382E-14	0
436	570390.6	4178479	0.55, 41784	0.14146	0.10678	0.13471	86.10528	34.01158	98.86723	14.01299	4.67053	15.28263	4.18E-10	3.06E-07	4.74E-08	1.29E-13	3.89E-13	3.07E-13	0	0	0	0	4.64E-13	1.4594E-11	4.73805E-08	1.3181E-13	0	6.57907E-14	0
437	570430.6	4178479	0.55, 41784	0.16075	0.12266	0.15218	93.00088	36.36689	108.11431	15.32204	5.02469	17.00047	4.72E-10	3.35E-07	5.27E-08	1.46E-13	4.4E-13	3.47E-13	0	0	0	0	5.242E-13	1.5959E-11	5.2706E-08	1.48905E-13	0	7.43231E-14	0
438	570470.6	4178479	0.55, 41784	0.18644	0.14379	0.17515	101.96042	39.51551	120.09702	16.93263	5.48718	19.18544	5.43E-10	3.72E-07	5.95E-08	1.68E-13	5.06E-13	4E-13	0	0	0	0	6.033E-13	1.7728E-11	5.94797E-08	1.71381E-13	0	8.55417E-14	0
439	570510.6	4178479	0.55, 41784	0.22079	0.17209	0.20548	113.44919	43.50567	135.70428	18.9082	6.17272	22.02345	6.37E-10	4.21E-07	6.83E-08	1.97E-13	5.94E-13	4.69E-13	0	0	0	0	7.078E-13	2.0031E-11	6.82778E-08	2.01059E-13	0	1.00355E-13	0
440	570550.6	4178479	0.55, 41784	0.2667	0.21004	0.24533	127.7059	48.20733	155.63974	21.28432	7.34053	25.62853	7.61E-10	4.82E-07	7.95E-08	2.35E-13	7.09E-13	5.6E-13	0	0	0	0	8.451E-13	2.2974E-11	7.94538E-08	2.40053E-13	0	1.19818E-13	0
441	570590.6	4178479	0.55, 41784	0.32931	0.26248	0.29831	144.67878	53.44745	182.17951	24.11313	8.81975	30.24215	9.25E-10	5.65E-07	9.38E-08	2.85E-13	8.62E-13	6.81E-13	0	0	0	0	1.028E-12	2.6891E-11	9.37561E-08	2.91895E-13	0	1.45694E-13	0
442	570630.6	4178479	0.55, 41784	0.42133	0.33962	0.37314	165.95931	60.05375	219.0797	27.65989	10.77683	36.51328	1.16E-09	6.79E-07	1.13E-07	3.57E-13	1.08E-12	8.51E-13	0	0	0	0	1.285E-12	3.2338E-11	1.13197E-07	3.65119E-13	0	1.82243E-13	0
443	570670.6	4178479	0.55, 41784	0.56746	0.46145	0.48445	193.36004	69.0612	272.47405	32.22667	13.5092	45.41234	1.5E-09	8.45E-07	1.41E-07	4.63E-13	1.4E-12	1.11E-12	0	0	0	0	1.669E-12	4.0219E-11	1.40783E-07	4.74042E-13	0	2.36609E-13	0
444	570710.6	4178479	0.55, 41784	0.83023	0.67528	0.66195	236.53606	81.84268	352.22256	39.07222	17.68943	58.70376	2.05E-09	1.09E-06	1.82E-07	6.33E-13	1.91E-12	1.51E-12	0	0	0	0	2.28E-12	5.199E-11	1.81986E-07	6.47741E-13	0	3.23308E-13	0
445	570750.6	4178479	0.55, 41784	1.42426	1.12918	0.97629	342.03514	102.90165	482.1747	49.67165	25.1054	80.36245	3.03E-09	1.49E-06	2.49E-07	9.34E-13	2.82E-12	2.23E-12	0	0	0	0	3.363E-12	7.1172E-11	2.49126E-07	9.55371E-13	0	4.76856E-13	0
446	570790.6	4178479	0.55, 41784	3.63047	2.75084	1.62936	596.75244	187.47347	722.34167	107.7468	51.23422	120.39028	5.05E-09	2.24E-06	3.73E-07	1.56E-12	4.71E-12	3.72E-12	0	0	0	0	5.614E-12	1.0662E-10	3.73242E-07	1.59469E-12	0	7.95961E-13	0
447	571030.6	4178479	0.55, 41784	9.40071	15.68167	11.18665	333.68631	267.08575	756.18793	81.11776	110.69164	178.64972	3.47E-08	2.34E-06	5.54E-07	1.07E-11	3.23E-11	2.55E-11	0	0	0	0	3.854E-11	1.1162E-10	5.53794E-07	1.09474E-11	0	5.46421E-12	0
448	571070.6	4178479	0.55, 41784	5.59712	9.0131	6.53916	216.22006	204.77885	522.16381	54.58514	76.29745	101.00005	2.03E-08	1.62E-06	3.13E-07	6.26E-12	1.89E-11	1.49E-11	0	0	0	0	2.253E-11	7.7077E-11	3.13096E-07	6.39929E-12	0	3.19409E-12	0
449	571110.6	4178479	0.55, 41784	3.86033	5.8724	4.45436	232.77263	158.88759	526.3096	40.87392	60.11848	68.10823	1.38E-08	1.63E-06	2.11E-07	4.26E-12	1.29E-11	1.02E-11	0	0	0	0	1.535E-11	7.7688E-11	2.11136E-07	4.35902E-12	0	2.17572E-12	0
450	571150.6	4178479	0.55, 41784	2.87873	4.17215	3.24074	243.47288	131.88403	510.79766	36.94401	47.80365	68.59206	1E-08	1.58E-06	2.13E-07	3.1E-12	9.36E-12	7.4E-12	0	0	0	0	1.116E-11	7.5397E-11	2.12633E-07	3.17135E-12	0	1.58292E-12	0
451	571190.6	4178479	0.55, 41784	2.25924	3.11768	2.54212	272.99859	103.34976	495.79992	40.61499	35.56429	82.63332	7.88E-09	1.54E-06	2.56E-07	2.43E-12	7.34E-12	5.8E-12	0	0	0	0	8.758E-12	7.3183E-11	2.56157E-07	2.48765E-12	0	1.24167E-12	0
452	571230.6	4178479	0.55, 41784	1.86428	2.43731	2.04705	228.60917	88.43023	428.91859	34.9281	28.65964	53.61482	6.35E-09	1.33E-06	1.66E-07	1.96E-12	5.91E-12	4.67E-12	0	0	0	0	7.052E-12	6.3311E-11	1.66209E-07	2.00317E-12	0	9.99848E-13	0
453	571270.6	4178479	0.55, 41784	1.58233	1.95726	1.72288	275.18297	89.4878	451.79055	39.56066	24.38596	62.99097	5.34E-09	1.4E-06	1.95E-07	1.65E-12	4.98E-12	3.93E-12	0	0	0	0	5.935E-12	6.6687E-11	1.95274E-07	1.68593E-12	0	8.41501E-13	0
454	571310.6	4178479	0.55, 41784	1.35793	1.6065	1.5101	222.77943	77.47813	328.49847	32.82803	21.05024	46.46168	4.68E-09	1.02E-06	1.44E-07	1.44E-12	4.36E-12	3.45E-12	0	0	0	0	5.202E-12	4.8489E-11	1.44036E-07	1.47769E-12	0	7.3756E-13	0
455	571350.6	4178479	0.55, 41784	1.1642	1.33076	1.27594	210.30644	64.61424	297.95893	30.9494	18.13628	42.55235	3.96E-09	9.24E-07	1.32E-07	1.22E-12	3.69E-12	2.91E-12	0	0	0	0	4.395E-12	4.3981E-11	1.31917E-07	1.24855E-12	0	6.23189E-13	0
456	571390.6	4178479	0.55, 41784	1.001	1.11694	1.07653	187.8278	60.73144	278.37154	27.7002	15.35336	39.86006	3.34E-09	8.63E-07	1.24E-07	1.03E-12	3.11E-12	2.46E-12	0	0	0	0	3.708E-12	4.1089E-11	1.2357E-07	1.05342E-12	0	5.25794E-13	0
457	571430.6	4178479	0.55, 41784	0.8626	0.94616	0.9271	141.00765	57.76687	153.44465	20.99683	12.7525	23.01436	2.87E-09	4.76E-07	7.14E-08	8.87E-13	2.68E-12	2.12E-12	0	0	0	0	3.194E-12	2.265E-11	7.13509E-08	9.07191E-13	0	4.52808E-13	0
458	571470.6	4178479	0.55, 41784	0.75511	0.81334	0.81471	85.41876	54.87579	110.14274	13.60469	11.10539	17.11986	2.53E-09	3.41E-07	5.31E-08	7.79E-13	2.35E-12	1.86E-12	0	0	0	0	2.807E-12	1.6259E-11	5.30746E-08	7.9721E-13	0	3.97913E-13	0
459	571510.6	4178479	0.55, 41784	0.666	0.70453	0.71826	104.54177	51.61661	121.24791	13.06772	9.4895	15.99878	2.23E-09	3.76E-07	4.96E-08	6.87E-13	2.07E-12	1.64E-12	0	0	0	0	2.474E-12	1.7898E-11	4.95994E-08	7.02829E-13	0	3.50804E-13	0
460	571550.6	4178479	0.55, 41784	0.58993	0.61436	0.63446	114.23468	47.78612	141.81512	14.27934	8.47335	17.72689	1.97E-09	4.4E-07	5.5E-08	6.07E-13	1.83E-12	1.45E-12	0	0	0	0	2.186E-12	2.0933E-11	5.49567E-08	6.20827E-13	0	3.09875E-13	0
461	571590.6	4178479	0.55, 41784	0.5248	0.5396	0.56365	114.71837	43.31659	143.69009	14.3398	7.89274	17.96126	1.75E-09	4.45E-07	5.57E-08	5.39E-13	1.63E-12	1.29E-12	0	0	0	0	1.942E-12	2.121E-11	5.56832E-08	5.51537E-13	0	2.7529E-13	0
462	570310.6	4178519	0.55, 41785	0.10968	0.08323	0.10459	75.92481	30.95134	85.20389	12.65413	4.31611	14.20065	3.24E-10	2.64E-07	4.4E-08	1E-13	3.02E-13	2.39E-13	0	0	0	0	3.603E-13	1.2577E-11	4.40257E-08	1.02339E-13	0	5.10805E-14	0
463	570350.6	4178519	0.55, 41785	0.12253	0.09413	0.11632	80.98331	32.52203	91.70345	13.49722	4.56123	15.28391	3.61E-10	2.84E-07	4.74E-08	1.11E-13	3.36E-13	2.65E-13	0	0	0	0	4.007E-13	1.3537E-11	4.7384E-08	1.13817E-13	0	5.68095E-14	0
464	570390.6	4178519	0.55, 41785	0.13706	0.10653	0.12954	86.4192	34.09518	99.00991	14.4032	4.78567	16.50165	4.02E-10	3.07E-07	5.12E-08	1.24E-13	3.74E-13	2.96E-13	0	0	0	0	4.462E-13	1.4615E-11	5.11592E-08	1.26752E-13	0	6.32662E-14	0
465	570430.6	4178519	0.55, 41785	0.15657	0.12308	0.14711	93.48729	36.56809	108.68156	15.58121	5.11226	18.11359	4.56E-10	3.37E-07	5.62E-08	1.41E-13	4.25E-13	3.36E-13	0	0	0	0	5.068E-13	1.6043E-11	5.61564E-08	1.43945E-13	0	7.18475E-14	0
466	570470.6	4178519	0.55, 41785	0.18113	0.14422	0.16907	101.65142	39.2669	120.52836	16.9419	5.47129	20.08806	5.24E-10	3.74E-07	6.23E-08	1.62E-13	4.88E-13	3.86E-13	0	0	0	0	5.824E-13	1.7791E-11	6.22774E-08	1.65433E-13	0	8.2573E-14	0
467	570510.6	4178519	0.55, 41785	0.21556	0.17373	0.19928	112.42418	43.21366	137.68321	18.73736	6.23491	22.9472	6.18E-10	4.27E-07	7.11E-08	1.91E-13	5.76E-13	4.55E-13	0	0	0	0	6.865E-13	2.0323E-11	7.11408E-08	1.94994E-13	0	9.73278E-14	0
468	570550.6	4178519	0.55, 41785	0.26244	0.21401	0.23948	127.39838	48.06291	159.66591	20.89373	7.26318	26.61098	7.42E-10	4.95E-07	8.25E-08	2.29E-13	6.92E-13	5.46E-13	0	0	0	0	8.25E-13	2.3568E-11	8.24986E-08	2.34331E-13	0	1.16962E-13	0
469	570590.6	4178519	0.55, 41785	0.32438	0.26815	0.29055	146.74921	52.55391	186.84388	23.05175	8.49659	31.14065	9.01E-10	5.79E-07	9.65E-08	2.78E-13	8.39E-13	6.63E-13	0	0	0	0	1.001E-12	2.758E-11	9.65401E-08	2.84305E-13	0	1.41906E-13	0
470	570630.6	4178519	0.55, 41785	0.41604	0.34788	0.36203	170.82398	60.03664	221.85088	25.41079	10.076	36.97515	1.12E-09	6.88E-07	1.15E-07	3.46E-13	1.05E-12	8.26E-13	0	0	0	0	1.247E-12	3.2747E-11	1.14626E-07	3.54253E-13	0	1.76819E-13	0
471	570670.6	4178519	0.55, 41785	0.56352	0.47347	0.46761	210.6175	71.54419	266.74609	27.95974	12.2085	44.45768	1.45E-09	8.27E-07	1.38E-07	4.47E-13	1.35E-12	1.07E-12	0	0	0	0	1.611E-12	3.9374E-11	1.3782E-07	4.57571E-13	0	2.28388E-13	0
472	570710.6	4178519	0.55, 41785	0.82936	0.69158	0.6351	257.30872	94.91316	337.8148	32.16359	16.3308	53.60133	1.97E-09	1.05E-06	1.66E-07	6.08E-13	1.83E-12	1.45E-12	0	0	0	0	2.188E-12	4.9864E-11	1.66165E-07	6.21479E-13	0	3.102E-13	0
473	570750.6	4178519	0.55, 41785	1.36529	1.13262	0.93188	327.60111	130.96882	473.41526	45.80096	29.91109	62.68561	2.89E-09	1.47E-06	1.94E-07	8.92E-13	2.69E-12	2.13E-12	0	0	0	0	3.21E-12	6.988E-11	1.94333E-07	9.11926E-13	0	4.55171E-13	0
474	570790.6	4178519	0.55, 41785	2.09469	1.90095	1.39228	339.24086	174.34023	730.67406	59.4987	49.70987	91.33426	4.32E-09	2.26E-06	2.83E-07	1.33E-12	4.02E-12	3.18E-12	0	0	0	0	4.797E-12	1.0785E-10	2.83141E-07	1.36252E-12	0	6.80077E-13	0
475	570990.6	4178519	0.55, 41785	30.9381	16.28557	11.79039	1645.60932	278.46944	1244.70182	444.29015	131.46412	279.7997	3.66E-08	3.86E-06	8.68E-07	1.13E-11	3.41E-11	2.69E-11	0	0	0	0	4.062E-11	1.8373E-10	8.67618E-07	1.15388E-11	0	5.75937E-12	0
476	571030.6	4178519	0.55, 41785	10.39533	8.05295	7.62595	575.07494	188.36146	999.69988	130.51861	75.45666	173.23921	2.36E-08	3.1E-06	5.37E-07	7.3E-12	2.2E-11	1.74E-11	0	0	0	0	2.627E-11	1.4756E-10	5.37066E-07	7.46234E-12	0	3.72469E-12	0
477	571070.6	4178519	0.55, 41785	5.62777	5.38206	5.21191	327.13066	151.27996	542.64793	61.45445	56.79768	91.26612	1.62E-08	1.68E-06	2.83E-07	4.99E-12	1.51E-11	1.19E-11	0	0	0	0	1.795E-11	8.0099E-11	2.82932E-07	5.10002E-12	0	2.54558E-12	0
478	571110.6	4178519	0.55, 41785	3.70135	3.92679	3.70614	194.51307	130.68512	402.95521	41.68788	44.49195	69.09918	1.15E-08	1.25E-06	2.14E-07	3.55E-12	1.07E-11	8.46E-12	0	0	0	0	1.277E-11	5.948E-11	2.14209E-07	3.62659E-12	0	1.81015E-12	0
479	571150.6	4178519	0.55, 41785	2.69329	3.00723	2.77155	208.02281	103.35418	440.08145	30.40761	37.50867	55.01018	8.59E-09	1.36E-06	1.71E-07	2.65E-12	8.01E-12	6.32E-12	0	0	0	0	9.548E-12	6.4959E-11	1.7053E-07	2.71208E-12	0	1.35369E-12	0
480	571190.6	4178519	0.55, 41785	2.08526	2.38411	2.19601	205.94825	100.14217	330.97092	32.90062	31.32752	44.74048	6.81E-09	1.03E-06	1.39E-07	2.1E-12	6.34E-12	5.01E-12	0	0	0	0	7.565E-12	4.8854E-11	1.38701E-07	2.14889E-12	0	1.07258E-12	0
481	571230.6	4178519	0.55, 41785	1.66362	1.91731	1.76389	215.41751	83.66277	360.55042	30.77393	25.17962	52.13444	5.47E-09	1.12E-06	1.62E-07	1.69E-12	5.1E-12	4.02E-12	0	0	0	0	6.076E-12	5.3219E-11	1.61617E-07	1.72604E-12	0	8.61522E-13	0
482	571270.6	4178519	0.55, 41785	1.38104	1.58176	1.44385	194.90891	74.63088	227.07234	31.16799	21.56574	34.54332	4.48E-09	7.04E-07	1.07E-07	1.38E-12	4.17E-12	3.29E-12	0	0	0	0	4.974E-12	3.3518E-11	1.07094E-07	1.41287E-12	0	7.05209E-13	0
483	571310.6	4178519	0.55, 41785	1.18628	1.33473	1.24995	227.7435	74.01926	353.91479	34.0231	18.88588	51.12416	3.88E-09	1.1E-06	1.58E-07	1.2E-12	3.61E-12	2.85E-12	0	0	0	0	4.306E-12	5.224E-11	1.58488E-07	1.22312E-12	0	6.105E-13	0
484	571350.6	4178519	0.55, 41785	1.02794	1.1349	1.10387	186.21806	66.32591	255.87469	28.09378	16.3212	37.6065	3.42E-09	7.93E-07	1.17E-07	1.06E-12	3.19E-12	2.52E-12	0	0	0	0	3.803E-12	3.7769E-11	1.16585E-07	1.08017E-12	0	5.39146E-13	0
485	571390.6	4178519	0.55, 41785	0.88898	0.96986	0.94947	165.64096	58.31983	230.86073	23.55305	14.40747	29.95608	2.94E-09	7.16E-07	9.29E-08	9.08E-13	2.74E-12	2.17E-12	0	0	0	0	3.271E-12	3.4077E-11	9.2869E-08	9.29081E-13	0	4.63734E-13	0
486	571430.6	4178519	0.55, 41785	0.7696	0.83467	0.8102	166.81635	54.79876	235.11797	23.72844	12.50769	32.6638	2.51E-09	7.29E-07	1.01E-07	7.75E-13	2.34E-12	1.85E-12	0	0	0	0	2.791E-12	3.4705E-11	1.01262E-07	7.92804E-13	0	3.95714E-13	0
487	571470.6	4178519	0.55, 41785	0.67066	0.72494	0.7032	138.40145	51.97552	171.46902	19.82816	10.73341	24.30543	2.18E-09	5.32E-07	7.54E-08	6.73E-13	2.03E-12	1.6E-12	0	0	0	0	2.422E-12	2.531E-11	7.53516E-08	6.88101E-13	0	3.43453E-13	0
488	571510.6	4178519	0.55, 41785	0.58987	0.63439	0.62004	93.94363	49.66848	89.41667	13.736	9.50533	13.29785	1.92E-09	2.77E-07	4.12E-08	5.93E-13	1.79E-12	1.41E-12	0	0	0	0	2.136E-12	1.32E-11	4.12284E-08	6.06726E-13	0	3.02836E-13	0
489	571550.6	4178519	0.55, 41785	0.52422	0.55926	0.55249	64.7066	47.53612	82.72316	9.81761	8.44297	11.85775	1.71E-09	2.56E-07	3.68E-08	5.29E-13	1.6E-12	1.26E-12	0	0	0	0	1.903E-12	1.2212E-11	3.67615E-08	5.40625E-13	0	2.69843E-13	0
490	571590.6	4178519	0.55, 41785	0.47148	0.49721	0.49682	75.39988	45.27823	83.60413	9.54319	7.49343	11.2302	1.54E-09	2.59E-07	3.48E-08	4.75E-13	1.44E-12	1.13E-12	0	0	0	0	1.711E-12	1.2342E-11	3.48162E-08	4.86149E-13	0	2.42652E-13	0
491	570310.6	4178559	0.55, 41785	0.10731	0.08405	0.10201	76.80272	30.54078	89.48595	12.80045	4.19275	14.91432	3.16E-10	2.77E-07	4.62E-08	9.76E-14	2.95E-13	2.33E-13	0	0	0	0	3.514E-13	1.3209E-11	4.62379E-08	9.98149E-14	0	4.98208E-14	0
492	570350.6	4178559	0.55, 41785	0.11907	0.09438	0.11262	82.9813	31.5625	94.82328	13.39224	4.31782	15.80388	3.49E-10	2.94E-07	4.9E-08	1.08E-13	3.25E-13	2.57E-13	0	0	0	0	3.879E-13	1.3997E-11	4.89956E-08	1.10197E-13	0	5.50028E-14	0
493	570390.6	4178559	0.55, 41785	0.1339	0.10748	0.12591	90.55746	32.83588	101.05325	14.07263	4.47793	16.84221	3.9E-10	3.13E-07	5.22E-08	1.2E-13	3.64E-13	2.87E-13	0	0	0	0	4.337E-13	1.4917E-11	5.22144E-08	1.23202E-13	0	6.14938E-14	0
494	570430.6	4178559	0.55, 41785	0.15297	0.12443	0.14282	99.07784	34.42492	111.25467	14.88754	4.68196	18.0897	4.43E-10	3.45E-07	5.61E-08	1.37E-13	4.13E-13	3.26E-13	0	0	0	0	4.92E-13	1.6422E-11	5.60817E-08	1.39748E-13	0	6.97529E-14	0
495	570470.6	4178559	0.55, 41785	0.17711	0.14611	0.16369	108.3811	37.13833	125.77833	15.68816	5.10948	19.33096	5.07E-10	3.9E-07	5.99E-08	1.57E-13	4.73E-13	3.73E-13	0	0	0	0	5.639E-13	1.8566E-11	5.99297E-08	1.6017E-13	0	7.99462E-14	0
496	570510.6	4178559	0.55, 41785	0.21022	0.1758	0.19176	119.02071	41.74654	144.28309	16.67371	5.7123	20.76073	5.95E-10	4.47E-07	6.44E-08	1.83E-13	5.54E-13	4.38E-13	0	0	0	0	6.606E-13	2.1298E-11	6.43621E-08	1.87638E-13	0	9.36562E-14	0
497	570550.6	4178559	0.55, 41785	0.25686	0.21737	0.22998	138.81712	48.97119	169.0217	17.78034	6.5378	22.20322	7.13E-10	5.24E-07	6.88E-08	2.2E-13	6.64E-13	5.25E-13	0	0	0	0	7.922E-13	2.4949E-11	6.88341E-08	2.25038E-13	0	1.12324E-13	0
498	570590.6	4178559	0.55, 41785	0.31921	0.27311	0.27901	158.95656	55.69599	196.40207	19.86957	7.90259	24.55026	8.65E-10	6.09E-07	7.61E-08	2.67E-13	8.06E-13	6.37E-13	0	0	0	0	9.611E-13	2.8991E-11	7.61105E-08	2.73017E-13	0	1.36272E-13	0
499	570630.6	4178559	0.55, 41785	0.41072	0.35398	0.34795	180.38278	65.18573	228.48167	22.54785	9.64997	28.56021	1.08E-09	7.08E-07	8.85E-08	3.33E-13	1.01E-12	7.94E-13	0	0	0	0	1.199E-12	3.3726E-11	8.85416E-08	3.4048E-13	0	1.69944E-13	0
500	570670.6	4178559	0.55, 41785	0.55178	0.47716	0.45068	218.05495	85.23197	290.43238	27.25687	14.02323	36.30405	1.4E-09	9E-07	1.13E-07	4.31E-13	1.3E-12	1.03E-12	0	0	0	0	1.553E-12	4.287E-11	1.12548E-07	4.4101E-13	0	2.20122E-13	0
501	570710.6	4178559	0.55, 41785	0.78132	0.6809	0.62169	244.71244	105.12049	355.26836	32.595	21.74638	44.40855	1.93E-09	1.1E-06	1.38E-07	5.95E-13	1.8E-12	1.42E-12	0	0	0	0	2.142E-12	5.2441E-11	1.37672E-07	6.08356E-13	0	3.0365E-13	0
502	570750.6	4178559	0.55, 41785	1.13763	1.02831	0.92752	276.33124	124.7524	514.56755	39.47589	32.46528	64.32094	2.88E-09	1.6E-06	1.99E-07	8.87E-13	2.68E-12	2.12E-12	0	0	0	0	3.195E-12	7.5953E-11	1.99396E-07	9.07629E-13	0	4.53027E-13	0
503	570790.6	4178559	0.55, 41785	1.48115	1.46435	1.34156	285.306	157.20995	776.24295	43.19026	42.97795	97.64972	4.16E-09	2.41E-06	3.03E-07	1.28E-12	3.88E-12	3.06E-12	0	0	0	0	4.622E-12	1.1458E-10	3.02702E-07	1.31278E-12	0	6.5525E-13	0
504	570830.6	4178559	0.55, 41785	2.67811	2.99292	2.3948	342.02881	178.80856	871.65336	66.23843	64.34565	121.28657	7.43E-09	2.7E-06	3.76E-07	2.29E-12	6.92E-12	5.46E-12	0	0	0	0	8.25E-12	1.2866E-10	3.75984E-07	2.34352E-12	0	1.16972E-12	0
505	570950.6	4178559	0.55, 41785	26.55575	12.00196	5.05287	679.01352	318.67052	1487.06516	280.37281	116.3834	245.48668	1.57E-08	4.61E-06	7.61E-07	4.84E-12	1.46E-11	1.15E-11	0	0	0	0	1.741E-11	2.195E-10	7.61125E-07	4.94661E-12	0	2.46901E-12	0
506	570990.6	4178559	0.55, 41785	10.52141	6.96087	4.44153	639.29991	205.65266	1371.63359	133.52138	75.6432	174.17097	1.38E-08	4.25E-06	5.4E-07	4.25E-12	1.28E-11	1.01E-11	0	0	0	0	1.53E-11	2.0246E-10	5.39957E-07	4.34691E-12	0	2.16968E-12	0
507	571030.6	4178559	0.55, 41785	6.12086	4.69941	3.63304	562.31532	143.87555	907.33173	97.52112	53.65332	135.00156	1.13E-08	2.81E-06	4.19E-07	3.48E-12	1.05E-11	8.29E-12	0	0	0	0	1.252E-11	1.3393E-10	4.18521E-07	3.55534E-12	0	1.77458E-12	0
508	571070.6	4178559	0.55, 41785	4.00501	3.46908	2.98955	291.75499	122.4909	364.39166	69.10596	41.80504	75.82917	9.27E-09	1.13E-06	2.35E-07	2.86E-12	8.64E-12	6.82E-12	0	0	0	0	1.03E-11	5.3788E-11	2.35091E-07	2.92549E-12	0	1.4602E-12	0
509	571110.6	4178559	0.55, 41785	2.89394	2.70355	2.4438	288.47324	105.99812	437.78623	48.03981	36.46899	59.71453	7.58E-09	1.36E-06	1.85E-07	2.34E-12	7.06E-12	5.58E-12	0	0	0	0	8.419E-12	6.462E-11	1.85126E-07	2.39139E-12	0	1.19362E-12	0
510	571150.6	4178559	0.55, 41785	2.21115	2.17534	2.01472	240.56187	97.79178	377.92847	31.90722	30.3701	47.66793	6.25E-09	1.17E-06	1.48E-07	1.93E-12	5.82E-12	4.6E-12	0	0	0	0	6.941E-12	5.5785E-11	1.47774E-07	1.97149E-12	0	9.84035E-13	0
511	571190.6	4178559	0.55, 41785	1.76303	1.79806	1.6955	177.14345	83.63267	264.27885	24.55629	26.34777	34.50528	5.26E-09	8.19E-07	1.07E-07	1.62E-12	4.9E-12	3.87E-12	0	0	0	0	5.841E-12	3.901E-11	1.0697E-07	1.65911E-12	0	8.28115E-13	0
512	571230.6	4178559	0.55, 41785	1.44054	1.50665	1.43503	192.87207	80.98435	306.26039	29.09943	22.26218	51.0434	4.45E-09	9.49E-07	1.58E-07	1.37E-12	4.15E-12	3.27E-12	0	0	0	0	4.944E-12	4.5206E-11	1.58234E-07	1.40423E-12	0	7.00894E-13	0
513	571270.6	4178559	0.55, 41785	1.19178	1.27042	1.20125	167.21575	71.42327	283.3883	22.32638	19.23301	35.42354	3.72E-09	8.78E-07	1.1E-07	1.15E-12	3.47E-12	2.74E-12	0	0	0	0	4.138E-12	4.183E-11	1.09814E-07	1.17547E-12	0	5.86713E-13	0

514	571310.6	4178559	0.55, 41785	1.01245	1.08581	1.02025	169.23295	65.49002	155.67948	26.6418	16.91234	25.18935	3.16E-09	4.83E-07	7.81E-08	9.76E-13	2.95E-12	2.33E-12	0	0	0	0	3.515E-12	2.2981E-11	7.80971E-08	9.98353E-13	0	4.9831E-13	0
515	571350.6	4178559	0.55, 41785	0.8838	0.94242	0.90608	194.09519	63.64749	285.0024	28.90026	14.99354	40.61241	2.81E-09	8.83E-07	1.26E-07	8.67E-13	2.62E-12	2.07E-12	0	0	0	0	3.121E-12	4.2068E-11	1.25903E-07	8.86628E-13	0	4.42544E-13	0
516	571390.6	4178559	0.55, 41785	0.78025	0.82372	0.8159	158.10154	57.98385	206.74246	23.81897	12.89204	30.22211	2.53E-09	6.41E-07	9.37E-08	7.81E-13	2.36E-12	1.86E-12	0	0	0	0	2.811E-12	3.0517E-11	9.36938E-08	7.98377E-13	0	3.98496E-13	0
517	571430.6	4178559	0.55, 41785	0.68512	0.72115	0.71821	137.68904	52.2569	180.06144	18.93914	11.62385	25.68604	2.23E-09	5.58E-07	7.96E-08	6.87E-13	2.07E-12	1.64E-12	0	0	0	0	2.474E-12	2.6579E-11	7.96301E-08	7.02784E-13	0	3.50782E-13	0
518	571470.6	4178559	0.55, 41785	0.60049	0.63425	0.62389	143.56241	49.93475	187.32246	19.90478	10.29716	25.60594	1.93E-09	5.81E-07	7.94E-08	5.97E-13	1.8E-12	1.42E-12	0	0	0	0	2.149E-12	2.765E-11	7.93826E-08	6.10492E-13	0	3.04716E-13	0
519	571510.6	4178559	0.55, 41785	0.52736	0.56045	0.5447	131.02036	47.72087	167.66109	18.26486	8.99798	23.11602	1.69E-09	5.2E-07	7.17E-08	5.21E-13	1.57E-12	1.24E-12	0	0	0	0	1.876E-12	2.4748E-11	7.16637E-08	5.33004E-13	0	2.6604E-13	0
520	571550.6	4178559	0.55, 41785	0.46874	0.49944	0.48529	99.50634	45.73793	109.0385	14.05158	8.03042	15.4257	1.5E-09	3.38E-07	4.78E-08	4.64E-13	1.4E-12	1.11E-12	0	0	0	0	1.672E-12	1.6096E-11	4.78239E-08	4.7487E-13	0	2.37023E-13	0
521	571590.6	4178559	0.55, 41785	0.42104	0.44786	0.43792	63.39282	43.98321	60.02596	9.17705	7.35207	9.24249	1.36E-09	1.86E-07	2.87E-08	4.19E-13	1.27E-12	9.99E-13	0	0	0	0	1.509E-12	8.8614E-12	2.86549E-08	4.28516E-13	0	2.13886E-13	0
522	570310.6	4178599	0.55, 41785	0.10507	0.08466	0.09914	83.25071	28.48032	95.05484	11.19876	3.62883	12.56574	3.07E-10	2.95E-07	3.9E-08	9.48E-14	2.86E-13	2.26E-13	0	0	0	0	3.415E-13	1.4031E-11	3.89571E-08	9.70074E-14	0	4.84195E-14	0
523	570350.6	4178599	0.55, 41785	0.11716	0.09561	0.10985	88.57329	30.33455	103.53599	11.44069	3.79182	12.942	3.41E-10	3.21E-07	4.01E-08	1.05E-13	3.17E-13	2.51E-13	0	0	0	0	3.784E-13	1.5283E-11	4.01235E-08	1.07487E-13	0	5.36504E-14	0
524	570390.6	4178599	0.55, 41785	0.13131	0.10865	0.12235	93.2639	32.45644	112.44406	11.65799	4.05706	14.05551	3.79E-10	3.49E-07	4.36E-08	1.17E-13	3.53E-13	2.79E-13	0	0	0	0	4.215E-13	1.6598E-11	4.3575E-08	1.19719E-13	0	5.97557E-14	0
525	570430.6	4178599	0.55, 41785	0.15022	0.126	0.13878	103.53542	36.02365	122.12845	12.94193	4.50296	15.26606	4.3E-10	3.79E-07	4.73E-08	1.33E-13	4.01E-13	3.17E-13	0	0	0	0	4.781E-13	1.8027E-11	4.73282E-08	1.35797E-13	0	6.77804E-14	0
526	570470.6	4178599	0.55, 41785	0.17421	0.14819	0.15942	115.63183	39.91557	131.63773	14.45398	5.34922	16.45472	4.94E-10	4.08E-07	5.1E-08	1.53E-13	4.61E-13	3.64E-13	0	0	0	0	5.492E-13	1.9431E-11	5.10137E-08	1.55994E-13	0	7.78615E-14	0
527	570510.6	4178599	0.55, 41785	0.20799	0.17912	0.18803	128.15759	44.54205	154.67263	16.0197	6.36274	19.33408	5.83E-10	4.79E-07	5.99E-08	1.8E-13	5.43E-13	4.29E-13	0	0	0	0	6.477E-13	2.2831E-11	5.99397E-08	1.8399E-13	0	9.18353E-14	0
528	570550.6	4178599	0.55, 41785	0.25382	0.22088	0.22625	141.74172	51.90419	182.47104	17.71771	7.41488	22.80888	7.01E-10	5.66E-07	7.07E-08	2.16E-13	6.54E-13	5.16E-13	0	0	0	0	7.794E-13	2.6934E-11	7.07113E-08	2.2139E-13	0	1.10503E-13	0
529	570590.6	4178599	0.55, 41785	0.31442	0.27626	0.27638	161.8077	62.94071	207.9054	20.22596	8.27119	25.98817	8.57E-10	6.44E-07	8.06E-08	2.64E-13	7.98E-13	6.31E-13	0	0	0	0	9.521E-13	3.0689E-11	8.05676E-08	2.70445E-13	0	1.34988E-13	0
530	570630.6	4178599	0.55, 41785	0.39904	0.35395	0.34775	187.04764	77.01967	233.41259	23.38095	12.20463	29.17657	1.08E-09	7.24E-07	9.05E-08	3.33E-13	1E-12	7.93E-13	0	0	0	0	1.198E-12	3.4454E-11	9.04527E-08	3.40284E-13	0	1.69847E-13	0
531	570670.6	4178599	0.55, 41785	0.52025	0.46779	0.4567	203.91154	89.67976	314.96286	27.18561	17.16092	39.37036	1.42E-09	9.76E-07	1.22E-07	4.37E-13	1.32E-12	1.04E-12	0	0	0	0	1.573E-12	4.6491E-11	1.22052E-07	4.46896E-13	0	2.2306E-13	0
532	570710.6	4178599	0.55, 41785	0.68748	0.63563	0.62617	226.5911	101.22552	383.25212	32.37016	22.387	47.90652	1.94E-09	1.19E-06	1.49E-07	5.99E-13	1.81E-12	1.43E-12	0	0	0	0	2.157E-12	5.6571E-11	1.48514E-07	6.12725E-13	0	3.05831E-13	0
533	570750.6	4178599	0.55, 41785	0.91976	0.89022	0.88415	243.41497	114.05895	499.75889	34.77357	31.00996	69.4997	2.74E-09	1.55E-06	2.15E-07	8.46E-13	2.55E-12	2.02E-12	0	0	0	0	3.046E-12	7.3767E-11	2.15444E-07	8.65163E-13	0	4.31831E-13	0
534	570790.6	4178599	0.55, 41785	1.20615	1.22781	1.16033	261.32328	130.44037	537.17009	39.31654	39.06207	73.65107	3.6E-09	1.67E-06	2.28E-07	1.11E-12	3.35E-12	2.65E-12	0	0	0	0	3.997E-12	7.929E-11	2.28315E-07	1.13543E-12	0	5.66728E-13	0
535	570830.6	4178599	0.55, 41785	1.86035	2.06593	1.53512	307.79075	158.37727	606.96091	57.33573	51.17396	80.52216	4.76E-09	1.88E-06	2.5E-07	1.47E-12	4.43E-12	3.5E-12	0	0	0	0	5.289E-12	8.9592E-11	2.49627E-07	1.50229E-12	0	7.49839E-13	0
536	570870.6	4178599	0.55, 41785	2.81953	3.8452	1.88016	429.66876	238.19724	679.18896	77.96533	87.47681	90.64703	5.83E-09	2.11E-06	2.81E-07	1.8E-12	5.43E-12	4.29E-12	0	0	0	0	6.479E-12	1.0026E-10	2.81027E-07	1.84028E-12	0	9.18542E-13	0
537	570910.6	4178599	0.55, 41785	4.21414	6.38342	2.32175	555.65098	273.48442	945.27353	124.98504	103.73159	124.24769	7.2E-09	2.93E-06	3.85E-07	2.22E-12	6.71E-12	5.3E-12	0	0	0	0	8.002E-12	1.3953E-10	3.85212E-07	2.27292E-12	0	1.13448E-12	0
538	570950.6	4178599	0.55, 41785	4.59898	4.54538	2.28746	563.80012	195.03038	769.06119	96.52509	58.5202	125.1466	7.09E-09	2.38E-06	3.88E-07	2.19E-12	6.61E-12	5.22E-12	0	0	0	0	7.882E-12	1.1352E-10	3.87974E-07	2.23894E-12	0	1.11753E-12	0
539	570990.6	4178599	0.55, 41785	3.82228	3.4158	2.10211	387.45867	157.86758	722.29473	74.93195	45.58999	97.36969	6.52E-09	2.24E-06	3.02E-07	2.01E-12	6.07E-12	4.8E-12	0	0	0	0	7.243E-12	1.0661E-10	3.01861E-07	2.05733E-12	0	1.02688E-12	0
540	571030.6	4178599	0.55, 41785	3.02247	2.69987	1.99871	442.17309	124.03841	776.22539	67.82636	38.72372	97.59907	6.2E-09	2.41E-06	3.03E-07	1.91E-12	5.77E-12	4.56E-12	0	0	0	0	6.886E-12	1.1457E-10	3.02566E-07	1.95598E-12	0	9.76292E-13	0
541	571070.6	4178599	0.55, 41785	2.43201	2.20804	1.81695	323.32852	105.96293	523.5768	49.87717	32.54487	75.45431	5.63E-09	1.62E-06	2.34E-07	1.74E-12	5.25E-12	4.15E-12	0	0	0	0	6.259E-12	7.7283E-11	2.33913E-07	1.77804E-12	0	8.87475E-13	0
542	571110.6	4178599	0.55, 41785	1.9361	1.83698	1.53551	285.52756	89.63178	395.42144	42.26506	28.59229	57.87538	4.76E-09	1.23E-06	1.79E-07	1.47E-12	4.44E-12	3.5E-12	0	0	0	0	5.29E-12	5.8367E-11	1.79421E-07	1.50261E-12	0	7.50003E-13	0
543	571150.6	4178599	0.55, 41785	1.58315	1.55537	1.34493	182.41041	88.91432	301.39134	29.75311	25.20352	37.67392	4.17E-09	9.34E-07	1.17E-07	1.29E-12	3.89E-12	3.07E-12	0	0	0	0	4.633E-12	4.4488E-11	1.16796E-07	1.3161E-12	0	6.56908E-13	0
544	571190.6	4178599	0.55, 41785	1.33739	1.33597	1.20735	189.26194	77.8274	237.13522	24.55337	21.99349	31.52399	3.74E-09	7.35E-07	9.77E-08	1.16E-12	3.49E-12	2.76E-12	0	0	0	0	4.159E-12	3.5004E-11	9.77296E-08	1.18145E-12	0	5.89701E-13	0
545	571230.6	4178599	0.55, 41785	1.14183	1.1549	1.07779	177.02423	70.01737	247.02933	25.42204	18.83046	36.19826	3.34E-09	7.66E-07	1.12E-07	1.03E-12	3.11E-12	2.46E-12	0	0	0	0	3.713E-12	3.6464E-11	1.12218E-07	1.05466E-12	0	5.26416E-13	0
546	571270.6	4178599	0.55, 41785	0.97959	1.00523	0.95378	160.46118	68.49541	236.51718	22.92303	16.81937	33.9008	2.96E-09	7.33E-07	1.05E-07	9.13E-13	2.76E-12	2.18E-12	0	0	0	0	3.286E-12	3.4912E-11	1.05095E-07	9.33308E-13	0	4.65844E-13	0
547	571310.6	4178599	0.55, 41785	0.84011	0.87488	0.82502	131.92842	62.86665	193.55215	16.49105	15.16442	24.19402	2.56E-09	6E-07	7.5E-08	7.89E-13	2.38E-12	1.88E-12	0	0	0	0	2.842E-12	2.857E-11	7.50035E-08	8.07313E-13	0	4.02956E-13	0
548	571350.6	4178599	0.55, 41785	0.73896	0.77159	0.73066	149.85158	58.69155	153.82017	22.55392	13.49962	22.49489	2.27E-09	4.77E-07	6.97E-08	6.99E-13	2.11E-12	1.67E-12	0	0	0	0	2.517E-12	2.2706E-11	6.97422E-08	7.14977E-13	0	3.56868E-13	0
549	571390.6	4178599	0.55, 41785	0.661	0.68563	0.66671	168.50279	56.32456	235.09945	24.41155	12.10471	32.40344	2.07E-09	7.29E-07	1E-07	6.38E-13	1.93E-12	1.52E-12	0	0	0	0	2.297E-12	3.4702E-11	1.00455E-07	6.52395E-13	0	3.25631E-13	0
550	571430.6	4178599	0.55, 41785	0.59511	0.61204	0.61151	136.17098	51.76249	171.68803	20.03651	10.61326	24.28892	1.9E-09	5.32E-07	7.53E-08	5.85E-13	1.77E-12	1.4E-12	0	0	0	0	2.107E-12	2.5343E-11	7.53006E-08	5.98376E-13	0	2.98669E-13	0
551	571470.6	4178599	0.55, 41785	0.53051	0.54561	0.54811	117.9441	47.17442	154.11151	16.84916	9.40387	22.01593	1.7E-09	4.78E-07	6.83E-08	5.24E-13	1.58E-12	1.25E-12	0	0	0	0	1.888E-12	2.2748E-11	6.82528E-08	5.36337E-13	0	2.67703E-13	0
552	571510.6	4178599	0.55, 41785	0.47218	0.48877	0.48576	120.07824	45.51387	145.12306	16.38718	8.49605	19.65912	1.51E-09	4.5E-07	6.09E-08	4.65E-13	1.4E-12	1.11E-12	0	0	0	0	1.673E-12	2.1422E-11	6.09474E-08	4.75327E-13	0	2.37251E-13	0
553	571550.6	4178599	0.55, 41785	0.42043	0.43954	0.43052	119.99429	43.92883	151.34582	16.43506	7.56489	20.5622	1.33E-09	4.69E-07	6.37E-08	4.12E-13	1.24E-12	9.82E-13	0	0	0	0	1.483E-12	2.234E-11	6.37466E-08	4.21275E-13	0	2.10272E-13	0
554	571590.6	4178599	0.55, 41785	0.37632	0.39688	0.38556	100.33698	42.40478	116.86516	13.86046	7.00095	16.11187	1.2E-09	3.62E-07	5E-08	3.69E-13	1.11E-12	8.8E-13	0	0	0	0	1.328E-12	1.7251E-11	4.99506E-08	3.77282E-13	0	1.88313E-13	0
555	570310.6	4178639	0.55, 41786	0.10356	0.08559	0.09711	83.92303	29.66661	96.15389	10.49038	3.70833	12.01924	3.01E-10	2.98E-07	3.73E-08	9.29E-14	2.81E-13	2.22E-13	0	0	0	0	3.345E-13	1.4193E-11	3.72626E-08	9.50217E-14	0	4.74284E-14	0
556	570350.6	4178639	0.55, 41786	0.1161	0.09716	0.10841	92.63397	32.60646	103.61771	11.57925	4.08084	12.95221	3.36E-10	3.21E-07	4.02E-08	1.04E-13	3.13E-13	2.47E-13	0	0	0	0	3.734E-13	1.5295E-11	4.01553E-08	1.06079E-13	0	5.29475E-14	0
557	570390.6	4178639	0.55, 41786	0.13068	0.11086	0.1215	100.54346	34.97331	116.66288	12.56793	4.70976	14.58286	3.77E-10	3.62E-07	4.52E-08	1.16E-13	3.51E-13	2.77E-13	0	0	0	0	4.185E-13	1.7221E-11	4.52103E-08	1.18888E-13	0	5.93409E-14	0
558	570430.6	4178639	0.55, 41786	0.14929	0.12834	0.13819	107.49924	37.52244	130.89362	13.4374	5.36035	16.3617	4.28E-10	4.06E-07	5.07E-08	1.32E-13	3.99E-13	3.15E-13	0	0	0	0	4.76E-13	1.9321E-11	5.07246E-08	1.3522E-13	0	6.74926E-14	0
559	570470.6	4178639	0.55, 41786	0.17443	0.15183	0.16061	116.62505	42.4162	145.19757	14.57813	6.05946	18.1497	4.98E-10	4.5E-07	5.63E-08	1.54E-13	4.64E-13	3.66E-13	0	0	0	0	5.533E-13	2.1433E-11	5.62674E-08	1.57159E-13	0	7.84429E-14	0
560	570510.6	4178639	0.55, 41786	0.20768	0.18277	0.19013	127.00459	48.18252	156.06863	15.87557	6.71257	19.50858	5.89E-10	4.84E-07	6.05E-08	1.82E-13	5.49E-13	4.34E-13	0	0	0	0	6.55E-13	2.3037E-11	6.04804E-08	1.86045E-13	0	9.28611E-14	0
561	570550.6	4178639	0.55, 41786	0.2504	0.22269	0.22841	148.76746	59.99627	172.72318	18.59593	7.58374	21.5904	7.08E-10	5.35E-07	6.69E-08	2.19E-13	6.6E-13	5.21E-13	0	0	0	0	7.868E-13	2.5496E-11	6.69353E-08	2.23504E-13	0	1.11558E-13	0
562	570590.6	4178639	0.55, 41786	0.30521	0.27478	0.27907	162.38276	69.4472	222.88998	20.29784	10.74133	27.86125	8.65E-10	6.91E-07	8.64E-08	2.67E-13	8.06E-13	6.37E-13	0	0	0	0	9.613E-13	3.2901E-11	8.63733E-08	2.73076E-13	0	1.36301E-13	0
563	570630.6	4178639	0.55, 41786	0.37839	0.34592	0.35098	177.15033	78.68271	266.26636	23.7109	14.16715	33.28329	1.09E-09	8.25E-07	1.03E-07	3.36E-13	1.01E-12	8.01E-13	0	0	0	0	1.209E-12	3.9303E-11	1.03182E-07	3.43441E-13	0	1.71423E-13	0
564	570670.6	4178639	0.55, 41786	0.47152	0.44129	0.44999	194.04584	86.02037	313.51443	27.72083	17.24466	39.1893	1.4E-09	9.72E-07	1.21E-07	4.31E-13	1.3E-12	1.03E-12	0	0	0	0	1.55E-12	4.6277E-11	1.21491E-07	4.40324E-13	0	2.1978E-13	0
565	570710.6	4178639	0.55, 41786	0.59058	0.57043	0.57865	207.44684	93.90742	372.29223	29.63526	21.88085	53.1846	1.79E-09	1.15E-06	1.65E-07	5.54E-13	1.67E-12	1.32E-12	0	0	0	0	1.993E-12	5.4953E-11	1.64871E-07	5.6622E-13	0	2.82619E-13	0
566	570750.6	4178639	0.55, 41786	0.7421	0.74424	0.7234	219.27007	107.04803	379.32522	31.3243	27.05481	52.15596	2.24E-09	1.18E-06	1.62E-07	6.92E-13	2.09E-12	1.65E-12	0	0	0	0	2.492E-12	5.5991E-11	1.61684E-07	7.07869E-13	0	3.5332E-13	0
567	570790.6	4178639	0.55, 41786	0.94425	0.97087	0.85006	237.37937	117.94026	412.19598	33.01145	30.70173	55.76703	2.64E-09	1.28E-06	1.73E-07	8.13E-13	2.46E-12	1.94E-12	0	0	0	0	2.928E-12	6.0843E-11	1.72878E-07	8.31834E-13	0	4.15195E-13	0
568	570830.6	4178639	0.55, 41786	1.23329	1.33292	0.96284	295.25944	130.22679	473.13116	42.69044	39.99654	61.26658	2.99E-09	1.47E-06	1.9E-07	9.21E-13	2.78E-12	2.2E-12	0	0	0	0	3.317E-12	6.9838E-11	1.89932E-07	9.42257E-13	0	4.70311E-13	0
569	570870.6	4178639	0.55, 41786	1.50989	1.73214	1.20169	317.24906	188.19869	615.93486	58.25942	53.82297	76.99186	3.73E-09	1.91E-06	2.39E-07	1.15E-12	3.47E-12	2.74E-12	0	0	0	0	4.14E-12	9.0917E-11	2.38686E-07	1.17602E-12	0	5.86988E-13	0
570	570910.6	4178639	0.55, 41786	1.78259	1.99297	1.30656	332.58479	179.86407	638.76492	63.94152	52.98497	79.84561	4.05E-09	1.98E-06	2.48E-07	1.25E-12	3.77E-12	2.98E-12	0	0	0	0	4.502E-12	9.4287E-11	2.47536E-07	1.27868E-12	0	6.38228E-13	0
571	570950.6	4178639	0.55, 41786	1.86524	1.94862	1.2876	326.77204	147.92341	425.10208	57.64661	41.4452	82.66786	3.99E-09	1.32E-06	2.56E-07	1.23E-12	3.72E-12	2.94E-12	0	0	0	0	4.436E-12	6.275E-11	2.56278E-07	1.26012E-12	0	6.28966E-13	0
572	570990.6	4178639	0.55, 41786	1.76592	1.78245	1.25006	311.73236	122.31574	573.48464	43.80696	33.57582	91.70195	3.88E-09	1.78E-06	2.84E-07	1.2E-12	3.61E-12	2.85E-12	0	0	0	0	4.307E-12	8.4649E-11	2.84268E-07	1.22335E-12	0	6.10615E-13	0
573	571030.6	4178639	0.55, 41786	1.5977	1.58915	1.17717	263.38378	106.70114	334.97263	40.88022	26.80487	57.79917	3.65E-09	1.04E-06	1.79E-07	1.13E-12	3.4E-12	2.69E-12	0	0	0	0	4.056E-12	4.9445E-11	1.79183E-07	1.152E-12	0	5.74999E-13	0
574	571070.6	4178639	0.55, 41786	1.42629	1.41473	1.18099	323.91584	92.06505	516.79706	44.84431	24.93328	64.76299	3.66E-09	1.6E-06	2.01E-07	1.13E-12	3.41E-12	2.69E-12	0	0	0	0	4.069E-12	7.6282E-11	2.00771E-07	1.15569E-12	0	5.76841E-13	0
575	571110.6	4178639	0.55, 41786	1.27265	1.25146	1.07066	231.49813	85.11921	353.08688	34.4516	22.95032	48.16161	3.32E-09	1.09E-06	1.49E-07	1.02E-12	3.09E-12	2.44E-12	0	0	0	0	3.688E-12	5.2118E-11	1.49306E-07	1.04771E-12	0	5.22947E-13	0
576	571150.6	4178639	0.55, 41786	1.10067	1.1079	0.9372	235.36335	78.49538	345.02109	33.92291	20.75102	48.66179	2.91E-09	1.07E-06	1.51E-07	8.97E-13	2.71E-12	2.14E-12	0	0	0	0	3.229E-12	5.0927E-11	1.50856E-07	9.17117E-13	0	4.57762E-13	0
577	571190.6	4178639	0.55, 41786	0.96404	0.98605	0.85109	150.10185	73.9658	197.92558	22.00887	18.66835	28.93746	2.64E-09	6.14E-07	8.97E-08	8.14E-13	2.46E-12	1.94E-12	0	0	0	0	2.932E-12	2.9216E-11	8.97105E-08	8.32846E-13	0	4.157E-13	0
578	571230.6	4178639	0.55, 41786	0.85847	0.87787	0.78438	130.71922	65.23747	181.52397	20.98447	16.26127	28.21366	2.43E-09	5.63E-07	8.75E-08	7.5E-13	2.27E-12	1.79E-12	0	0	0	0	2.702E-12	2.6795E-11	8.74662E-08	7.67558E-13	0	3.83113E-13	0
579	571270.6	4178639	0.55, 41786	0.76521	0.78388	0.72231	147.71702	61.52416	210.17535	22.46264	14.29709	35.02922	2.24E-09	6.51E-07	1.09E-07	6.91E-13	2.09E-12	1.65E-12	0	0	0	0	2.488E-12	3.1024E-11	1.08592E-07	7.06813E-13	0	3.52793E-13	0
580	571310.6	4178639	0.55, 41786	0.67814	0.70066	0.65218	136.41117	59.8434	199.34802	17.34958	13.40052	24.9185	2.02E-09	6.18E-07	7.72E-08	6.24E-13	1.88E-12	1.49E-12	0	0	0	0	2.247E-12	2.9426E-11	7.72497E-08	6.38185E-13	0	3.18539E-13	0
581	571350.6	4178639	0.55, 41786	0.60279	0.6273	0.58324	124.67819	56.4143	162.56927	15.58477	12.33978	20.32116	1.81E-09	5.04E-07	6.3E-08	5.58E-13	1.68E-12	1.33E-12	0	0	0	0	2.009E-12	2.3997E-11	6.29987E-08	5.70725E-13	0	2.84867E-13	0
582	571390.6	4178639	0.55, 41786	0.54567	0.56561	0.53406	134.64293	53.30447	146.45838	19.4501	11.04071	20.47738	1.66E-09	4.54E-07	6.35E-08	5.11E-13	1.54E-12	1.22E-12	0	0	0	0	1.84E-12	2.1619E-11	6.34862E-08	5.22598E-13	0	2.60845E-13	0
583	571430.6	4178639	0.55, 41786	0.50035	0.51255	0.49968	147.79016	50.85435	197.85336	20.77571	9.97795	26.64502	1.55E-09	6.13E-07	8.26E-08	4.78E-13	1.44E-12	1.14E-12	0	0	0	0	1.721E-12	2.9205E-11	8.2604E-08	4.88951E-13	0	2.44051E-13	0
584	571470.6	4178639	0.55, 41786	0.45884	0.46513	0.46599	118.76181	47.03177	145.5886	16.94782	8.9119	19.9832	1.44E-09	4.51E-07	6.2E-08	4.46E-13	1.35E-12	1.06E-12	0	0	0	0	1.605E-12	2.149E-11	6.19524E-08	4.55981E-13	0	2.27595E-13	0
585	571510.6	4178639	0.55, 41786	0.41516	0.4204	0.42431	105.04191	43.02213	132.76114	15.00599	7.61313	18.96588	1.32E-09	4.12E-07	5.88E-08	4.06E-13	1.23E-12	9.68E-13	0	0	0	0	1.462E-12	1.9597E-11	5.87976E-08	4.15196E-13	0	2.07237E-13	0
586	571550.6	4178639	0.55, 41786	0.37489	0.38245	0.3824	101.59712	41.64808	125.74417	13.25702	7.0054	15.71802	1.19E-09	3.9E-07	4.87E-08	3.66E-13	1.1E-12	8.73E-13	0	0	0	0	1.317E-12	1.8561E-11	4.87293E-08	3.74187E-13	0	1.86769E-13	0
587	571590.6	4178639	0.55, 41786	0.33863	0.34937	0.34405	106.83121	40.48294	130.44071	14.45913	6.53587	17.55635	1.07E-09	4.04E-07	5.44E-08	3.29E-13	9.94E-13	7.85E-13	0	0	0	0	1.185E-12	1.9254E-11	5.44283E-08	3.36662E-13	0	1.68039E-13	0
588	570310.6	4178679	0.55, 41786	0.10291	0.0869	0.09701	88.39628	30.98258	103.31105	11.04953	4.21243	12.91388	3.01E-10	3.2E-07	4E-08	9.28E-14	2.8E-13	2.21E-13	0	0	0	0	3.342E-13	1.525E-11	4.0036E-08	9.49242E-14	0	4.73797E-14	0
589	570350.6	4178679	0.55, 41786	0.11574	0.09888	0.10892	93.23081	33.32166	112.3331	11.65385	4.76024	14.04164	3.38E-10	3.48E-07	4.35E-08	1.04E-13	3.15E-13	2.49E-13	0	0	0	0	3.752E-13	1.6581E-11	4.3532E-08	1.06578E-13	0	5.31967E-14	0
590	570390.6	4178679	0.55, 41786	0.13137	0.11361	0.12342	99.39798	36.831	119.21549	12.42475	5.26157	14.90194	3.83E-10	3.7E-07	4.62E-08	1.18E-13	3.57E-13	2.82E-13	0	0	0	0	4.252E-13	1.7597E-11	4.61992E-08	1.20767E-13	0	6.02787E-14	0
591	570430.6	4178679	0.55, 41786	0.15074	0.13191	0.14135	105.99103	39.73692	126.723	13.24888	5.6767	15.84037	4.38E-10	3.93E-07	4.91E-08	1.35E-13	4.08E-13	3.23E-13	0	0	0	0	4.869E-13	1.8706E-11	4.91085E-08	1.38312E-13	0	6.9036E-14	0
592	570470.6	4178679	0.55, 41786	0.17494	0.15487	0.16378	121.69462	47.75873	135.7735	15.21183	5.96984	16.97169	5.08E-10	4.21E-07	5.26E-08	1.57E-13	4.73E-13	3.74E-13	0	0	0	0	5.642E-13	2.0042E-11	5.26167E-08	1.60261E-13	0	7.99912E-14	0
593	570510.6	4178679	0.55, 41786	0.2057	0.18414	0.19253	135.37794	56.46386	170.3708	16.92224	7.12807	21.29635	5.97E-10	5.28E-07	6.6E-08	1.84E-13	5.56E-13	4.39E-13	0	0	0	0	6.632E-13	2.5149E-11	6.60225E-08	1.88393E-13	0	9.40331E-14	0
594	570550.6	4178679	0.55, 41786	0.2434	0.22078	0.22908	142.10791	62.60325	200.29273	17.76349	9.55219	25.03659	7.1E-10	6.21E-07	7.76E-08	2.19E-13	6.62E-13	5.23E-13	0	0	0	0	7.891E-13	2.9565E-11	7.76161E-08	2.24158E-13	0	1.11885E-13	0
595	570590.6	4178679	0.55, 41786	0.29132	0.2684	0.27784	157.44437	70.02377	210.9671	21.20731	12.01595	26.37089	8.61E-10	6.54E-07	8.18E-08	2.66E-13	8.03E-13	6.34E-13	0	0	0	0	9.571E-13	3.1141E-11	8.17547E-08	2.71871E-13	0	1.35699E-13	0
596	570630.6	4178679	0.55, 41786	0.34871	0.32823	0.33909	170.78411	74.6949	263.98396	24.39773	14.09383	33.40233	1.05E-09	8.18E-07	1.04E-07	3.24E-13	9.8E-13	7.74E-13	0	0	0	0	1.168E-12	3.8966E-11	1.03551E-07	3.31805E-13	0	1.65614E-13	0
597	570670.6	4178679	0.55, 41786	0.41782	0.40379	0.41108	181.29369	80.27499	295.25985	25.8991	15.99045	42.12286	1.27E-09	9.15E-07	1.31E-07	3.93E-13	1.19E-12	9.38E-13	0	0	0	0	1.416E-12	4.3583E-11	1.30582E-07	4.02249E-13	0	2.00776E-13	0
598	570710.6	4178679	0.55, 41786	0.49876	0.49687	0.48618	185.88712	90.92914	287.65142	26.5553	19.21501	39.31628	1.51E-09	8.92E-07	1.22E-07	4.65E-13	1.4E-12	1.11E-12	0	0	0	0	1.675E-12	4.246E-11	1.21883E-07	4.75741E-13	0	2.37458E-13	0
599	570750.6	4178679	0.55, 41786	0.59336	0.60818	0.55751	195.07014	97.11431	330.72411	27.40212	20.89244	45.57898	1.73E-09	1.03E-06	1.41E-07	5.33E-13	1.61E-12	1.27E-12	0	0	0	0	1.921E-12	4.8818E-11	1.41295E-07	5.45549E-13	0	2.72301E-13	0
600	570790.6	4178679	0.55, 41786	0.71288	0.74367	0.61675	232.56486	100.08812	327.08033	29.70634	25.09865	40.88504	1.91E-09	1.01E-06	1.27E-07	5.9E-13	1.78E-12	1.41E-12	0	0	0	0	2.125E-12	4.828E-11	1.26749E-07	6.03537E-13	0	3.01245E-13	0
601	570830.6	4178679	0.55, 41786	0.82835	0.8948	0.66469	250.25968	113.32691	367.70207	36.36599	33.16876	46.21837	2.06E-09	1.14E-06	1.43E-07	6.36E-13	1.92E-12	1.52E-12	0	0	0	0	2.29E-12	5.4276E-11	1.43285E-07	6.50474E-13	0	3.24672E-13	0
602	570870.6	4178679	0.55, 41786	0.92801	1.04065	0.83445	269.45277	158.88347	492.55659	39.41339	35.15016	62.53118	2.59E-09	1.53E-06	1.94E-07	7.98E-13	2.41E-12	1.9E-12	0	0	0	0	2.875E-12	7.2706E-11	1.93849E-07	8.1658E-13	0	4.07581E-13	0
603	570910.6	4178679	0.55, 41786	1.03394	1.13081	0.83809	259.70616	144.94226	471.11442	42.20689	35.5523	58.8893	2.6E-09	1.46E-06	1.83E-07	8.02E-13	2.42E-12	1.91E-12	0	0	0	0	2.887E-12	6.9541E-11	1.82563E-07	8.20166E-13	0	4.09371E-13	0
604	570950.6	4178679	0.55, 41786	1.05684	1.13643	0.82319	242.80014	123.49716	418.67106	39.92153	30.15323	58.18912	2.55E-09	1.3E-06	1.8E-07	7.88E-13	2.38E-12	1.88E-12	0	0	0	0	2.836E-12	6.1799E-11	1.80391E-07	8.05592E-13	0	4.02097E-13	0
605	570990.6	4178679	0.55, 41786	1.01802	1.09421	0.82722	255.86386	105.93706	407.98363	37.15781	26.85338	67.99727	2.56E-09	1.26E-06	2.11E-07	7.91E-13	2.39E-12	1.89E-12	0	0	0	0	2.85E-12	6.0221E-11	2.10789E-07	8.09523E-13	0	4.04059E-13	0
606	571030.6	4178679	0.55, 41786	0.98373	1.03259	0.8073	224.24787	96.85684	406.17161	32.03518	21.71644	50.77145	2.5E-09	1.26E-06	1.57E-07	7.72E-13	2.33E-12	1.84E-12	0	0	0	0	2.781E-12	5.9953E-11	1.57393E-07	7.9002E-13	0	3.94324E-13	0
607	571070.6	4178679	0.55, 41786	0.92088	0.95493	0.77727	234.21131	81.25508	306.97474	29.84103	18.74017	38.37184	2.41E-09	9.52E-07	1.19E-07	7.44E-13	2.25E-12	1.77E-12	0	0	0	0	2.678E-12	4.5312E-11	1.18959E-07	7.60623E-13	0	3.79651E-13	0
608	571110.6	4178679	0.55, 41786	0.85296	0.87816	0.75636	249.82687	76.90023	376.11255	32.83771	18.41049	47.06858	2.35E-09	1.17E-06	1.46E-07	7.24E-13	2.18E-12	1.73E-12	0	0	0	0	2.606E-12	5.5516E-11	1.45917E-07	7.40147E-13	0	3.69431E-13	0
609	571150.6	4178679	0.55, 41786	0.78449	0.80428	0.7091	184.12399	71.8753	265.86204	26.94504	17.68151	37.98029	2.2E-09	8.24E-07	1.18E-07	6.78E-13	2.05E-12	1.62E-12	0	0	0	0	2.443E-12	3.9243E-11	1.17743E-07	6.93895E-13	0	3.46345E-13	0
610	571190.6	4178679	0.55, 41786	0.70872	0.73542	0.64227	192.12547	69.23049	267.93218	27.25383	16.04767	37.1098	1.99E-09	8.31E-07	1.15E-07	6.14E-13	1.86E-12	1.47E-12	0	0	0	0	2.213E-12	3.9549E-11	1.15045E-07	6.285E-13	0	3.13704E-13	0
611	571230.6	4178679	0.55, 41786	0.64141	0.6715	0.58509	152.95792	62.82263	210.7281	21.78847	14.44714	29.62503	1.81E-09	6.53E-07	9.18E-08	5.6E-13	1.69E-12	1.34E-12	0	0	0	0	2.016E-12	3.1105E-11	9.18414E-08	5.72546E-13	0	2.85776E-13	0
612	571270.6	4178679	0.55, 41786	0.5854	0.61191	0.54631	124.65244	57.66905	171.62004	20.54509	12.75642	28.60334	1.69E-09	5.32E-07	8.87E-08	5.23E-13	1.58E-12	1.25E-12	0	0	0	0	1.882E-12	2.5333E-11	8.86736E-08	5.34593E-13	0	2.66833E-13	0
613	571310.6	4178679	0.55, 41786	0.53447	0.5582	0.50849	125.80787	55.1913	171.33448	17.97255	11.70277	24.47635	1.58E-09	5.31E-07	7.59E-08	4.86E-13	1.47E-12	1.16E-12	0	0	0	0	1.752E-12	2.5291E-11	7.58798E-08	4.97582E-13	0	2.48359E-13	0
614	571350.6	4178679	0.55, 41786	0.48504	0.50906	0.46427	111.39997	53.56601	157.83086	13.925	11.19981	19.72886	1.44E-09	4.89E-07	6.12E-08	4.44E-13	1.34E-12	1.06E-12	0	0	0	0	1.599E-12	2.3298E-11	6.11615E-08	4.5431E-13	0	2.26761E-13	0
615	571390.6	4178679	0.55, 41786	0.44312	0.4655	0.42576	107.51836	51.27371	117.14548	13.43979	10.40254	14.64318	1.32E-09	3.63E-07	4.54E-08	4.07E-13	1.23E-12	9.72E-13	0	0	0	0	1.467E-12	1.7292E-11	4.5398E-08	4.16626E-13	0	2.07951E-13	0
616	571430.6	4178679	0.55, 41786	0.41031	0.42684	0.39928	122.12368	48.88835	136.65658	17.23844	9.36082	18.91196	1.24E-09	4.24E-07	5.86E-08	3.82E-13	1.15E-12	9.11E-13	0	0	0	0	1.375E-12	2.0172E-11	5.86323E-08	3.90711E-13	0	1.95017E-13	0
617	571470.6	4178679	0.55, 41786	0.38401	0.39267	0.38101	130.83453	46.56818	169.29762	18.03085	8.50414	22.62935	1.18E-09	5.25E-07	7.02E-08	3.65E-13	1.1E-12	8.69E-13	0	0	0	0	1.313E-12	2.499E-11	7.01551E-08	3.7283E-13	0	1.86091E-13	0
618	571510.6	4178679	0.55, 41786	0.35733	0.36026	0.36021	104.69184	43.30646	125.50481	14.57371	7.68103	16.95061	1.12E-09	3.89E-07	5.26E-08	3.45E-13	1.04E-12	8.22E-13	0	0	0	0	1.241E-12	1.8526E-11	5.25509E-08	3.52473E-13	0	1.75931E-13	0
619	571550.6	4178679	0.55, 41786	0.32923	0.33046	0.33426	93.91251	40.06683	115.0705	13.41607	6.60436	16.43864	1.04E-09	3.57E-07	5.1E-08	3.2E-13	9.66E-13	7.63E-13	0	0	0	0	1.151E-12	1.6986E-11	5.0963E-08	3.2708E-13	0	1.63256E-13	0
620	571590.6	4178679	0.55, 41786	0.30119	0.30402	0.3057	90.51235	37.8645	108.48539	11.49242	5.95997	13.56067	9.48E-10	3.36E-07	4.2E-08	2.92E-13	8.83E-13	6.98E-13	0	0	0	0	1.053E-12	1.6014E-11	4.20411E-08	2.99134E-13	0	1.49307E-13	0
621	570310.6	4178719	0.55, 41787	0.10285	0.08839	0.09803	86.08959	31.95927	98.88317	10.7612	4.57032	12.3604	3.04E-10	3.07E-07	3.83E-08	9.38E-14	2.83E-13	2.24E-13	0	0	0	0	3.377E-13	1.4596E-11	3.83202E-08	9.59224E-14	0	4.78779E-14	0
622	570350.6	4178719	0.55, 41787	0.11563	0.10049	0.11012	90.6137	34.18211	105.82439	11.32671	4.88316	13.22805	3.41E-10	3.28E-07	4.1E-08	1.05E-13	3.18E-13	2.51E-13	0	0	0	0	3.793E-13	1.5621E-11	4.101E-08	1.07753E-13	0	5.37828E-14	0
623	570390.6	4178719	0.55, 41787	0.13114	0.11521	0.12472	102.01088	38.97546	110.90458	12.75136	5.08393	13.86307	3.87E-10	3.44E-07	4.3E-08	1.19E-13	3.6E-13	2.85E-13	0	0	0	0	4.296E-13	1.6371E-11	4.29795E-08	1.22039E-13	0	6.09137E-14	0
624	570430.6	4178719	0.55, 41787	0.15	0.13322	0.1425	114.28488	46.41789	135.81295	14.28561	5.80224	16.97662	4.42E-10	4.21E-07	5.26E-08	1.36E-13	4.12E-13	3.25E-13	0	0	0	0	4.909E-13	2.0048E-11	5.26312E-08	1.39437E-13	0	6.95977E-14	0
625	570470.6	4178719	0.55, 41787	0.17288	0.1553	0.16447	122.16306	52.59309	158.80652	15.27038	6.67803	19.85082	5.1E-10	4.92E-07	6.15E-08	1.57E-13	4.75E-13	3.75E-13	0	0	0	0	5.666E-13	2.3442E-11	6.15407E-08	1.60936E-13	0	8.03281E-14	0
626	570510.6	4178719	0.55, 41787	0.1999	0.18201	0.19124	126.87173	56.8638	170.00598	15.85897	8.56143	21.25075	5.93E-10	5.27E-07	6.59E-08	1.83E-13	5.52E-13	4.36E-13	0	0	0	0	6.588E-13	2.5095E-11	6.58802E-08	1.87131E-13	0	9.34029E-14	0
627	570550.6	4178719	0.55, 41787	0.2328	0.21534	0.22528	141.7684	62.68438	190.3461	19.27806	10.36338	23.79326	6.98E-10	5.9E-07	7.38E-08	2.16E-13	6.51E-13	5.14E-13	0	0	0	0	7.76E-13	2.8097E-11	7.37637E-08	2.20439E-13	0	1.10028E-13	0
628	570590.6	4178719	0.55, 41787	0.2704	0.25529	0.2651	152.6333	65.86327	220.26265	21.80476	11.76563	29.62209	8.22E-10	6.83E-07	9.18E-08	2.54E-13	7.66E-13	6.05E-13	0	0	0	0	9.132E-13	3.2513E-11	9.18323E-08	2.59404E-13	0	1.29477E-13	0
629	570630.6	4178719	0.55, 41787	0.31352	0.30328	0.30884	160.25221	70.5161	243.59554	22.89317	12.52474	34.32359	9.58E-10	7.55E-07	1.06E-07	2.95E-13	8.92E-13	7.05E-13	0	0	0	0	1.064E-12	3.5957E-11	1.06406E-07	3.02206E-13	0	1.5084E-13	0
630	570670.6	4178719	0.55, 41787	0.36149	0.3594	0.35242	159.13882	79.23774	228.99362	22.73412	14.05012	31.24302	1.09E-09	7.1E-07	9.69E-08	3.37E-13	1.02E-12	8.04E-13	0	0	0	0	1.214E-12	3.3802E-11	9.68572E-08	3.44853E-13	0	1.72127E-13	0
631	570710.6	4178719	0.55, 41787	0.41184	0.42167	0.39325	168.39934	82.78202	268.08178	23.84947	15.22445	37.49142	1.22E-09	8.31E-07	1.16E-07	3.76E-13	1.14E-12	8.97E-13	0	0	0	0	1.355E-12	3.9571E-11	1.16225E-07	3.84811E-13	0	1.92072E-13	0
632	570750.6	4178719	0.55, 41787	0.46631	0.48852	0.43046	193.26616	81.97611	266.60906	24.83922	16.78199	33.32613	1.33E-09	8.26E-07	1.03E-07	4.12E-13	1.24E-12	9.82E-13	0	0	0	0	1.483E-12	3.9354E-11	1.03316E-07	4.2123E-13	0	2.10249E-13	0
633	570790.6	4178719	0.55, 41787	0.5297	0.5627	0.45402	208.56721	92.88706	267.98327	26.09236	23.00092	33.50993	1.41E-09	8.31E-07	1.04E-07	4.34E-13	1.31E-12	1.04E-12	0	0	0	0	1.564E-12	3.9557E-11	1.03886E-07	4.44297E-13	0	2.21763E-13	0
634	570830.6	4178719	0.55, 41787	0.58417	0.63922	0.49731	206.25232	102.59816	258.13483	28.9378	25.69667	32.26685	1.54E-09	8E-07	1E-07	4.76E-13	1.44E-12	1.13E-12	0	0	0	0	1.713E-12	3.8104E-11	1.00036E-07	4.86666E-13	0	2.4291E-13	0
635	570870.6	4178719	0.55, 41787	0.63384	0.71183	0.60618	208.40577	136.85909	408.7133	28.70976	24.7437	51.08916	1.88E-09	1.27E-06	1.58E-07	5.8E-13	1.75E-12	1.38E-12	0	0	0	0	2.088E-12	6.033E-11	1.58375E-07	5.93187E-13	0	2.96079E-13	0
636	570910.6	4178719	0.55, 41787	0.68401	0.75343	0.58123	211.07044	124.31957	366.90455	30.70854	25.49482	45.86307	1.8E-09	1.14E-06	1.42E-07	5.56E-13	1.68E-12	1.33E-12	0	0	0	0	2.002E-12	5.4159E-11	1.42179E-07	5.68791E-13	0	2.83902E-13	0
637	570950.6	4178719	0.55, 41787	0.69007	0.76497	0.57081	207.10313	108.18225	376.87466	30.79195	24.65468	47.10933	1.77E-09	1.17E-06	1.46E-07	5.46E-13	1.65E-12	1.3E-12	0	0	0	0	1.967E-12	5.563E-11	1.46042E-07	5.586E-13	0	2.78815E-13	0
638	570990.6	4178719	0.55, 41787	0.68048	0.74999	0.58632	206.58356	95.47159	294.44278	32.17827	21.60129	36.80535	1.82E-09	9.13E-07	1.14E-07	5.61E-13	1.69E-12	1.34E-12	0	0	0	0	2.02E-12	4.3463E-11	1.14106E-07	5.73769E-13	0	2.86387E-13	0
639	571030.6	4178719	0.55, 41787	0.66194	0.72353	0.59736	210.3532	86.11281	328.15995	30.372	18.42489	51.15716	1.85E-09	1.02E-06	1.59E-07	5.72E-13	1.73E-12	1.36E-12	0	0	0	0	2.058E-12	4.8439E-11	1.58588E-07	5.84562E-13	0	2.91774E-13	0
640	571070.6	4178719	0.55, 41787	0.64029	0.68839	0.56269	181.70859	76.31707	252.84162	22.73215	15.52213	31.6052	1.74E-09	7.84E-07	9.8E-08	5.38E-13	1.63E-12	1.28E-12	0	0	0	0	1.938E-12	3.7322E-11	9.79797E-08	5.50637E-13	0	2.74841E-13	0
641	571110.6	4178719	0.55, 41787	0.60626	0.64543	0.53034	207.95149	70.27092	268.27126	26.16426	14.32632	33.53391	1.64E-09	8.32E-07	1.04E-07	5.07E-13	1.53E-12	1.21E-12	0	0	0	0	1.827E-12	3.9599E-11	1.03961E-07	5.18979E-13	0	2.59039E-13	0
642	571150.6	4178719	0.55, 41787	0.57256	0.60327	0.52806	200.64391	66.12781	289.68563	25.68735	14.52342	36.23202	1.64E-09	8.98E-07	1.12E-07	5.05E-13	1.53E-12	1.2E-12	0	0	0	0	1.819E-12	4.2759E-11	1.12323E-07	5.16738E-13	0	2.5792E-13	0
643	571190.6	4178719	0.55, 41787	0.53842	0.56251	0.50995	154.3512	63.9477	213.38711	22.19645	14.00077	30.48387	1.58E-09	6.61E-07	9.45E-08	4.88E-13	1.47E-12	1.16E-12	0	0	0	0	1.757E-12	3.1498E-11	9.45078E-08	4.99011E-13	0	2.49072E-13	0
644	571230.6	4178719	0.55, 41787	0.49735	0.52247	0.4676	159.72675	60.41971	199.28282	22.34048	12.75874	27.30767	1.45E-09	6.18E-07	8.47E-08	4.47E-13	1.35E-12	1.07E-12	0	0	0	0	1.611E-12	2.9416E-11	8.46592E-08	4.57571E-13	0	2.28388E-13	0
645	571270.6	4178719	0.55, 41787	0.45612	0.4836	0.42898	144.14128	55.22387	195.55309	20.17616	11.51496	26.9261	1.33E-09	6.06E-07	8.35E-08	4.1E-13	1.24E-12	9.79E-13	0	0	0	0	1.478E-12	2.8865E-11	8.34747E-08	4.1978E-13	0	2.09526E-13	0
646	571310.6	4178719	0.55, 41787	0.42006	0.44717	0.39945	118.44349	52.26024	154.81704	17.97136	10.56882	25.80284	1.24E-09	4.8E-07	8E-08	3.82E-13	1.15E-12	9.11E-13	0	0	0	0	1.376E-12	2.2853E-11	7.99913E-08	3.90883E-13	0	1.95102E-13	0
647	571350.6	4178719	0.55, 41787	0.38785	0.41385	0.37184	109.17018	50.24459	147.83356	14.07795	10.0186	18.4792	1.15E-09	4.58E-07	5.73E-08	3.56E-13	1.07E-12	8.48E-13	0	0	0	0	1.281E-12	2.1822E-11	5.72883E-08	3.63864E-13	0	1.81616E-13	0
648	571390.6	4178719	0.55, 41787	0.35875	0.38356	0.34391	87.70597	48.80309	113.13015	10.96325	9.64341	14.14127	1.07E-09	3.51E-07	4.38E-08	3.29E-13	9.93E-13	7.85E-13	0	0	0	0	1.185E-12	1.67E-11	4.38402E-08	3.36534E-13	0	1.67975E-13	0
649	571430.6	4178719	0.55, 41787	0.33385	0.35563	0.32061	80.9107	47.09106	69.47289	11.59229	8.99084	10.76512	9.94E-10	2.15E-07	3.34E-08	3.07E-13	9.26E-13	7.32E-13	0	0	0	0	1.104E-12	1.0256E-11	3.33764E-08	3.13733E-13	0	1.56594E-13	0
650	571470.6	4178719	0.55, 41787	0.31507	0.33052	0.30587	111.40642	45.19171	126.48359	15.57659	8.16367	17.53078	9.48E-10	3.92E-07	5.43E-08	2.93E-13	8.84E-13	6.98E-13	0	0	0	0	1.054E-12	1.867E-11	5.43499E-08	2.99307E-13	0	1.49394E-13	0
651	571510.6	4178719	0.55, 41787	0.29891	0.30701	0.29518	116.70467	43.07153	146.87884	15.95519	7.46065	19.6972	9.15E-10	4.55E-07	6.11E-08	2.82E-13	8.53E-13	6.74E-13	0	0	0	0	1.017E-12	2.1681E-11	6.10651E-08	2.88843E-13	0	1.44171E-13	0
652	571550.6	4178719	0.55, 41787	0.28299	0.28542	0.28355	93.20798	40.2806	109.70993	12.81909	6.80365	14.78577	8.79E-10	3.4E-07	4.58E-08	2.71E-13	8.19E-13	6.47E-13	0	0	0	0	9.768E-13	1.6195E-11	4.58394E-08	2.7746E-13	0	1.38489E-13	0
653	571590.6	4178719	0.55, 41787	0.2649	0.26495	0.26753	84.18961	37.57199	100.50298	12.02709	5.93847	14.35757	8.29E-10	3.12E-07	4.45E-08	2.56E-13	7.73E-13	6.1E-13	0	0	0	0	9.216E-13	1.4835E-11	4.45116E-08	2.61783E-13	0	1.30664E-13	0
654	570310.6	4178759	0.55, 41787	0.10291	0.08971	0.0989	86.89901	32.22927	93.76167	10.86238	4.40505	11.72021	3.07E-10	2.91E-07	3.63E-08	9.46E-14	2.86E-13	2.26E-13	0	0	0	0	3.407E-13	1.384E-11	3.63361E-08	9.67738E-14	0	4.83029E-14	0
655	570350.6	4178759	0.55, 41787	0.11544	0.10167	0.11074	97.89636	38.6449	111.66772	12.23704	4.83061	13.95846	3.43E-10	3.46E-07	4.33E-08	1.06E-13	3.2E-13	2.53E-13	0	0	0	0	3.815E-13	1.6483E-11	4.32747E-08	1.0836E-13	0	5.40857E-14	0
656	570390.6	4178759	0.55, 41787	0.13027	0.11595	0.12485	105.67733	44.34348	129.76492	13.20967	5.54293	16.22061	3.87E-10	4.02E-07	5.03E-08	1.19E-13	3.61E-13	2.85E-13	0	0	0	0	4.301E-13	1.9155E-11	5.02871E-08	1.22167E-13	0	6.09772E-14	0
657	570430.6	4178759	0.55, 41787	0.14773	0.133	0.14184	109.21499	48.49986	141.11126	13.65187	6.24447	17.63891	4.4E-10	4.37E-07	5.47E-08	1.36E-13	4.1E-13	3.24E-13	0	0	0	0	4.886E-13	2.083E-11	5.46835E-08	1.38792E-13	0	6.92753E-14	0
658	570470.6	4178759	0.55, 41787	0.16767	0.15301	0.16202	117.79795	52.53636	140.35154	14.72474	7.71399	17.54394	5.02E-10	4.35E-07	5.44E-08	1.55E-13	4.68E-13	3.7E-13	0	0	0	0	5.581E-13	2.0718E-11	5.439E-08	1.58538E-13	0	7.91315E-14	0
659	570510.6	4178759	0.55, 41787	0.191	0.17712	0.1864	128.29828	56.17436	171.94141	16.7792	9.03197	21.49268	5.78E-10	5.33E-07	6.66E-08	1.78E-13	5.38E-13	4.25E-13	0	0	0	0	6.421E-13	2.538E-11	6.66317E-08	1.82394E-13	0	9.10389E-14	0
660	570550.6	4178759	0.55, 41787	0.21672	0.20498	0.21341	137.63049	58.52483	184.29573	19.6615	9.95092	26.17497	6.62E-10	5.71E-07	8.11E-08	2.04E-13	6.16E-13	4.87E-13	0	0	0	0	7.352E-13	2.7204E-11	8.11461E-08	2.08825E-13	0	1.04231E-13	0
661	570590.6	4178759	0.55, 41787	0.24504	0.23724	0.24166	142.23889	62.68435	205.21483	20.31984	10.25836	28.57469	7.49E-10	6.36E-07	8.86E-08	2.31E-13	6.98E-13	5.51E-13	0	0	0	0	8.325E-13	3.0292E-11	8.85846E-08	2.36469E-13	0	1.18029E-13	0
662	570630.6	4178759	0.55, 41787	0.27554	0.27375	0.26892	139.19636	70.02218	188.40794	19.61007	11.07526	25.7042	8.34E-10	5.84E-07	7.97E-08	2.57E-13	7.77E-13	6.14E-13	0	0	0	0	9.264E-13	2.7811E-11	7.96869E-08	2.63146E-13	0	1.31344E-13	0
663	570670.6	4178759	0.55, 41787	0.30614	0.31293	0.29402	149.31547	72.47289	221.2081	21.10931	12.07881	31.37185	9.12E-10	6.86E-07	9.73E-08	2.81E-13	8.49E-13	6.71E-13	0	0	0	0	1.013E-12	3.2653E-11	9.72551E-08	2.8771E-13	0	1.43605E-13	0
664	570710.6	4178759	0.55, 41787	0.33494	0.35231	0.31792	164.794	71.08708	213.69891	21.55176	13.08376	26.71236	9.86E-10	6.62E-07	8.28E-08	3.04E-13	9.18E-13	7.25E-13	0	0	0	0	1.095E-12	3.1544E-11	8.28134E-08	3.11101E-13	0	1.5528E-13	0
665	570750.6	4178759	0.55, 41787	0.36674	0.3924	0.33661	179.38877	78.60477	216.64393	22.4236	16.36841	27.08049	1.04E-09	6.72E-07	8.4E-08	3.22E-13	9.72E-13	7.68E-13	0	0	0	0	1.16E-12	3.1979E-11	8.39551E-08	3.29395E-13	0	1.64411E-13	0
666	570790.6	4178759	0.55, 41787	0.40357	0.43625	0.34677	166.36606	82.34558	242.62848	21.7564	19.87746	30.35713	1.08E-09	7.52E-07	9.41E-08	3.32E-13	1E-12	7.91E-13	0	0	0	0	1.195E-12	3.5815E-11	9.41105E-08	3.39345E-13	0	1.69378E-13	0
667	570830.6	4178759	0.55, 41787	0.43354	0.48203	0.39259	188.6599	98.62945	246.30784	24.95504	19.43466	30.78848	1.22E-09	7.64E-07	9.55E-08	3.76E-13	1.13E-12	8.96E-13	0	0	0	0	1.352E-12	3.6358E-11	9.54502E-08	3.84181E-13	0	1.91757E-13	0
668	570870.6	4178759	0.55, 41787	0.46387	0.52331	0.45582	172.12292	120.25167	329.63715	21.51536	18.67269	41.20464	1.41E-09	1.02E-06	1.28E-07	4.36E-13	1.32E-12	1.04E-12	0	0	0	0	1.57E-12	4.8658E-11	1.27732E-07	4.46047E-13	0	2.22636E-13	0
669	570910.6	4178759	0.55, 41787	0.49085	0.54778	0.42691	176.15826	108.72169	296.15879	23.43896	19.655	37.01985	1.32E-09	9.18E-07	1.15E-07	4.08E-13	1.23E-12	9.74E-13	0	0	0	0	1.471E-12	4.3716E-11	1.14763E-07	4.17772E-13	0	2.08523E-13	0
670	570950.6	4178759	0.55, 41787	0.48762	0.55475	0.41816	180.46301	97.04885	324.78811	24.36206	20.46933	40.59851	1.3E-09	1.01E-06	1.26E-07	4E-13	1.21E-12	9.54E-13	0	0	0	0	1.441E-12	4.7941E-11	1.25856E-07	4.09214E-13	0	2.04252E-13	0
671	570990.6	4178759	0.55, 41787	0.49051	0.55159	0.43765	151.23194	87.28492	222.11928	25.20532	17.38113	28.62893	1.36E-09	6.89E-07	8.88E-08	4.19E-13	1.26E-12	9.99E-13	0	0	0	0	1.508E-12	3.2788E-11	8.87569E-08	4.28279E-13	0	2.13768E-13	0
672	571030.6	4178759	0.55, 41787	0.48428	0.53663	0.45626	187.58168	78.86438	272.43541	28.06386	15.68835	45.4059	1.41E-09	8.44E-07	1.41E-07	4.37E-13	1.32E-12	1.04E-12	0	0	0	0	1.572E-12	4.0214E-11	1.4076E-07	4.46481E-13	0	2.22853E-13	0
673	571070.6	4178759	0.55, 41787	0.467	0.51625	0.43604	163.79974	72.83551	258.94072	22.54296	13.46245	32.36759	1.35E-09	8.03E-07	1E-07	4.17E-13	1.26E-12	9.95E-13	0	0	0	0	1.502E-12	3.8222E-11	1.00343E-07	4.26695E-13	0	2.12977E-13	0
674	571110.6	4178759	0.55, 41787	0.44755	0.4933	0.39624	157.0432	65.36033	149.25903	19.63651	11.35189	22.10234	1.23E-09	4.63E-07	6.85E-08	3.79E-13	1.14E-12	9.04E-13	0	0	0	0	1.365E-12	2.2033E-11	6.8523E-08	3.87755E-13	0	1.93541E-13	0
675	571150.6	4178759	0.55, 41787	0.4302	0.46818	0.38775	183.98767	62.14189	232.46693	23.05685	11.54043	29.05837	1.2E-09	7.21E-07	9.01E-08	3.71E-13	1.12E-12	8.85E-13	0	0	0	0	1.336E-12	3.4314E-11	9.00861E-08	3.79443E-13	0	1.89392E-13	0
676	571190.6	4178759	0.55, 41787	0.41561	0.44245	0.39452	166.33485	59.4631	232.20811	21.02615	11.70076	29.03347	1.22E-09	7.2E-07	9E-08	3.77E-13	1.14E-12	9E-13	0	0	0	0	1.359E-12	3.4276E-11	9.00072E-08	3.86059E-13	0	1.92694E-13	0
677	571230.6	4178759	0.55, 41787	0.39577	0.41616	0.38297	133.04594	57.55284	174.38403	19.00656	11.25795	24.912	1.19E-09	5.41E-07	7.72E-08	3.66E-13	1.11E-12	8.74E-13	0	0	0	0	1.319E-12	2.5741E-11	7.7231E-08	3.74753E-13	0	1.87051E-13	0
678	571270.6	4178759	0.55, 41787	0.36933	0.38979	0.3568	133.93343	52.76944	163.09994	18.49966	10.32502	20.38749	1.11E-09	5.06E-07	6.32E-08	3.41E-13	1.03E-12	8.14E-13	0	0	0	0	1.229E-12	2.4075E-11	6.32068E-08	3.49145E-13	0	1.74269E-13	0
679	571310.6	4178759	0.55, 41787	0.3411	0.36413	0.32902	131.1619	50.25063	168.23883	18.11843	9.56125	22.87944	1.02E-09	5.22E-07	7.09E-08	3.15E-13	9.5E-13	7.51E-13	0	0	0	0	1.133E-12	2.4834E-11	7.09303E-08	3.21962E-13	0	1.60702E-13	0
680	571350.6	4178759	0.55, 41787	0.31543	0.34037	0.30452	103.20737	47.94128	136.71003	14.62528	9.08266	18.8743	9.44E-10	4.24E-07	5.85E-08	2.91E-13	8.8E-13	6.95E-13	0	0	0	0	1.049E-12	2.018E-11	5.85134E-08	2.97989E-13	0	1.48736E-13	0
681	571390.6	4178759	0.55, 41787	0.29206	0.31801	0.28181	95.20975	46.26011	128.00267	11.90122	8.7596	16.00033	8.74E-10	3.97E-07	4.96E-08	2.7E-13	8.14E-13	6.43E-13	0	0	0	0	9.708E-13	1.8895E-11	4.96032E-08	2.75766E-13	0	1.37644E-13	0
682	571430.6	4178759	0.55, 41787	0.27184	0.29676	0.26169	65.82255	44.97926	77.28464	8.48847	8.42183	11.06277	8.11E-10	2.4E-07	3.43E-08	2.5E-13	7.56E-13	5.97E-13	0	0	0	0	9.015E-13	1.1409E-11	3.42963E-08	2.56078E-13	0	1.27817E-13	0
683	571470.6	4178759	0.55, 41787	0.25781	0.27877	0.24855	74.19853	43.62462	66.74746	10.92817	7.8818	10.16339	7.71E-10	2.07E-07	3.15E-08	2.38E-13	7.18E-13	5.67E-13	0	0	0	0	8.562E-13	9.8535E-12	3.15107E-08	2.43219E-13	0	1.21399E-13	0
684	571510.6	4178759	0.55, 41787	0.24715	0.26193	0.24035	102.14842	42.0514	116.58455	14.2101	7.23025	16.16505	7.45E-10	3.61E-07	5.01E-08	2.3E-13	6.94E-13	5.48E-13	0	0	0	0	8.28E-13	1.7209E-11	5.01157E-08	2.35193E-13	0	1.17392E-13	0
685	571550.6	4178759	0.55, 41787	0.23772	0.24585	0.23427	104.82233	40.15762	128.89855	14.31586	6.66643	17.41071	7.26E-10	4E-07	5.4E-08	2.24E-13	6.77E-13	5.35E-13	0	0	0	0	8.07E-13	1.9027E-11	5.39767E-08	2.29241E-13	0	1.14422E-13	0
686	571590.6	4178759	0.55, 41787	0.22808	0.23097	0.22747	83.60184	37.747	96.99907	11.46846	6.12919	13.15855	7.05E-10	3.01E-07	4.08E-08	2.18E-13	6.57E-13	5.19E-13	0	0	0	0	7.836E-13	1.4318E-11	4.07947E-08	2.22585E-13	0	1.11099E-13	0
687	570310.6	4178799	0.55, 41787	0.10253	0.09048	0.09887	92.22772	37.68456	108.42661	11.52846	4.71057	13.55333	3.07E-10	3.36E-07	4.2E-08	9.46E-14	2.86E-13	2.26E-13	0	0	0	0	3.406E-13	1.6005E-11	4.20184E-08	9.67446E-14	0	4.82883E-14	0
688	570350.6	4178799	0.55, 41787	0.11434	0.10195	0.11024	96.42289	41.82094	119.06345	12.05286	5.22762	14.88293	3.42E-10	3.69E-07	4.61E-08	1.05E-13	3.18E-13	2.52E-13	0	0	0	0	3.798E-13	1.7575E-11	4.61399E-08	1.0787E-13	0	5.38416E-14	0
689	570390.6	4178799	0.55, 41787	0.12785	0.11532	0.12365	96.70849	44.28794	121.57528	12.08856	5.83168	15.19691	3.83E-10	3.77E-07	4.71E-08	1.18E-13	3.57E-13	2.82E-13	0	0	0	0	4.259E-13	1.7946E-11	4.71131E-08	1.20992E-13	0	6.03912E-14	0
690	570430.6	4178799	0.55, 41787	0.14288	0.13064	0.13911	109.4746	48.39009	132.26529	13.83026	6.97525	16.53316	4.31E-10	4.1E-07	5.13E-08	1.33E-13	4.02E-13	3.17E-13	0	0	0	0	4.792E-13	1.9524E-11	5.12563E-08	1.3612E-13	0	6.7942E-14	0
691	570470.6	4178799	0.55, 41787	0.15993	0.14857	0.15692	116.3647	50.80214	153.38363	16.31235	7.92735	19.17295	4.87E-10	4.75E-07	5.94E-08	1.5E-13	4.53E-13	3.58E-13	0	0	0	0	5.406E-13	2.2641E-11	5.94405E-08	1.53548E-13	0	7.66406E-14	0
692	570510.6	4178799	0.55, 41787	0.17816	0.16871	0.17591	124.77861	52.1148	162.22151	17.82552	8.49382	23.1745	5.45E-10	5.03E-07	7.18E-08	1.68E-13	5.08E-13	4.01E-13	0	0	0	0	6.06E-13	2.3946E-11	7.18446E-08	1.7213E-13	0	8.59157E-14	0
693	570550.6	4178799	0.55, 41787	0.19752	0.19131	0.19507	126.89522	56.18657	175.78093	18.12789	8.51005	24.21863	6.05E-10	5.45E-07	7.51E-08	1.87E-13	5.63E-13	4.45E-13	0	0	0	0	6.72E-13	2.5947E-11	7.50811E-08	1.9088E-13	0	9.52741E-14	0
694	570590.6	4178799	0.55, 41787	0.21773	0.21627	0.21308	122.68072	62.5324	158.46837	17.14296	9.80776	21.67538	6.61E-10	4.91E-07	6.72E-08	2.04E-13	6.16E-13	4.86E-13	0	0	0	0	7.34E-13	2.3392E-11	6.71975E-08	2.08504E-13	0	1.04071E-13	0
695	570630.6	4178799	0.55, 41787	0.23771	0.24268	0.22932	133.9153	64.36556	188.20796	18.95021	10.72759	26.70167	7.11E-10	5.83E-07	8.28E-08	2.19E-13	6.62E-13	5.23E-13	0	0	0	0	7.9E-13	2.7782E-11	8.2778E-08	2.24398E-13	0	1.12004E-13	0
696	570670.6	4178799	0.55, 41787	0.25595	0.26895	0.24514	141.94782	63.09907	182.20008	19.13844	10.57117	23.96944	7.6E-10	5.65E-07	7.43E-08	2.35E-13	7.08E-13	5.59E-13	0	0	0	0	8.445E-13	2.6895E-11	7.43096E-08	2.39881E-13	0	1.19732E-13	0
697	570710.6	4178799	0.55, 41787	0.27273	0.29382	0.2595	157.12572	66.69563	192.86918	19.64072	11.93189	24.10865	8.05E-10	5.98E-07	7.47E-08	2.48E-13	7.5E-13	5.92E-13	0	0	0	0	8.94E-13	2.847E-11	7.47415E-08	2.53935E-13	0	1.26747E-13	0
698	570750.6	4178799	0.55, 41787	0.29355	0.31916	0.26739	152.65771	72.44297	180.42039	19.08221	15.18472	22.55534	8.29E-10	5.59E-07	6.99E-08	2.56E-13	7.72E-13	6.1E-13	0	0	0	0	9.212E-13	2.6632E-11	6.99266E-08	2.6166E-13	0	1.30603E-13	0
699	570790.6	4178799	0.55, 41787	0.31688	0.34759	0.27611	157.73005	72.26845	195.86787	20.13646	16.34526	24.48348	8.56E-10	6.07E-07	7.59E-08	2.64E-13	7.98E-13	6.3E-13	0	0	0	0	9.512E-13	2.8912E-11	7.59037E-08	2.70198E-13	0	1.34865E-13	0
700	570830.6	4178799	0.55, 41787	0.33524	0.37796	0.31984	162.23746	94.66133	234.71664	21.09567	14.73083	29.33958	9.92E-10	7.28E-07	9.1E-08	3.06E-13	9.24E-13	7.3E-13	0	0	0	0	1.102E-12	3.4647E-11	9.0956E-08	3.12985E-13	0	1.56221E-13	0
701	570870.6	4178799	0.55, 41787	0.35595	0.40358	0.35265	158.80625	107.46352	263.60655	19.85078	16.70272	32.95082	1.09E-09	8.17E-07	1.02E-07	3.37E-13	1.02E-12	8.05E-13	0	0	0	0	1.215E-12	3.8912E-11	1.02148E-07	3.45088E-13	0	1.72245E-13	0
702	570910.6	4178799	0.55, 41787	0.3676	0.41723	0.32417	150.41188	96.98395	247.06251	18.80149	15.72408	30.88281	1.01E-09	7.66E-07	9.57E-08	3.1E-13	9.36E-13	7.4E-13	0	0	0	0	1.117E-12	3.6469E-11	9.57373E-08	3.17231E-13	0	1.5834E-13	0
703	570950.6	4178799	0.55, 41787	0.34637	0.40141	0.30552	159.46188	87.41269	275.63404	19.93273	16.48069	34.45425	9.47E-10	8.54E-07	1.07E-07	2.92E-13	8.83E-13	6.97E-13	0	0	0	0	1.053E-12	4.0686E-11	1.06808E-07	2.98982E-13	0	1.49232E-13	0
704	570990.6	4178799	0.55, 41787	0.35579	0.40756	0.32647	119.48057	79.68844	146.33228	17.5796	14.60553	25.33485	1.01E-09	4.54E-07	7.85E-08	3.12E-13	9.43E-13	7.45E-13	0	0	0	0	1.125E-12	2.1601E-11	7.85404E-08	3.19479E-13	0	1.59462E-13	0
705	571030.6	4178799	0.55, 41787	0.37225	0.416	0.35619	155.14917	72.93395	196.55996	24.86673	12.948	30.87431	1.1E-09	6.09E-07	9.57E-08	3.41E-13	1.03E-12	8.13E-13	0	0	0	0	1.227E-12	2.9015E-11	9.57162E-08	3.48555E-13	0	1.73975E-13	0
706	571070.6	4178799	0.55, 41787	0.3594	0.40135	0.34666	158.59146	67.81733	220.83512	22.65592	11.74555	33.70367	1.07E-09	6.85E-07	1.04E-07	3.32E-13	1E-12	7.91E-13	0	0	0	0	1.194E-12	3.2597E-11	1.04484E-07	3.39228E-13	0	1.6932E-13	0
707	571110.6	4178799	0.55, 41787	0.34191	0.38638	0.31575	133.9595	62.41991	198.12185	16.74494	10.40332	24.76523	9.79E-10	6.14E-07	7.68E-08	3.02E-13	9.12E-13	7.21E-13	0	0	0	0	1.088E-12	2.9245E-11	7.67741E-08	3.08986E-13	0	1.54225E-13	0
708	571150.6	4178799	0.55, 41787	0.32926	0.37153	0.29721	140.52662	58.47073	122.49716	17.56829	9.74512	16.40698	9.22E-10	3.8E-07	5.09E-08	2.84E-13	8.59E-13	6.78E-13	0	0	0	0	1.024E-12	1.8083E-11	5.08684E-08	2.90845E-13	0	1.4517E-13	0
709	571190.6	4178799	0.55, 41787	0.32393	0.35615	0.30055	162.80337	55.99612	201.90064	20.37225	9.46414	25.23758	9.32E-10	6.26E-07	7.82E-08	2.88E-13	8.68E-13	6.86E-13	0	0	0	0	1.035E-12	2.9802E-11	7.82413E-08	2.94109E-13	0	1.46799E-13	0
710	571230.6	4178799	0.55, 41787	0.31732	0.33876	0.30501	141.0743	54.42569	191.70239	17.72831	9.52966	23.96639	9.46E-10	5.94E-07	7.43E-08	2.92E-13	8.81E-13	6.96E-13	0	0	0	0	1.051E-12	2.8297E-11	7.4299E-08	2.98468E-13	0	1.48975E-13	0
711	571270.6	4178799	0.55, 41787	0.30415	0.32027	0.29829	116.54381	51.24263	144.90939	16.64912	9.13765	20.70134	9.25E-10	4.49E-07	6.42E-08	2.85E-13	8.62E-13	6.81E-13	0	0	0	0	1.028E-12	2.139E-11	6.4178E-08	2.91889E-13	0	1.45691E-13	0
712	571310.6	4178799	0.55, 41787	0.28608	0.30211	0.28212	111.77517	48.08718	136.31939	15.28029	8.60329	17.73191	8.75E-10	4.23E-07	5.5E-08	2.7E-13	8.15E-13	6.44E-13	0	0	0	0	9.719E-13	2.0122E-11	5.49731E-08	2.76066E-13	0	1.37793E-13	0
713	571350.6	4178799	0.55, 41787	0.26522	0.28423	0.2608	116.94553	46.1941	139.01017	15.97517	8.23917	19.97796	8.09E-10	4.31E-07	6.19E-08	2.5E-13	7.53E-13	5.95E-13	0	0	0	0	8.984E-13	2.0519E-11	6.19353E-08	2.55204E-13	0	1.27381E-13	0
714	571390.6	4178799	0.55, 41787	0.24309	0.26586	0.23735	101.64822	44.37475	130.479	13.96186	7.97488	17.70328	7.36E-10	4.04E-07	5.49E-08	2.27E-13	6.86E-13	5.42E-13	0	0	0	0	8.177E-13	1.926E-11	5.48832E-08	2.32259E-13	0	1.15928E-13	0
715	571430.6	4178799	0.55, 41787	0.22645	0.25105	0.21957	78.66707	42.96369	101.00422	10.22882	7.75525	13.14754	6.81E-10	3.13E-07	4.08E-08	2.1E-13	6.34E-13	5.01E-13	0	0	0	0	7.564E-13	1.491E-11	4.07595E-08	2.14862E-13	0	1.07244E-13	0
716	571470.6	4178799	0.55, 41787	0.21325	0.23694	0.20607	47.64153	41.84289	57.10773	7.70461	7.45296	10.06314	6.39E-10	1.77E-07	3.12E-08	1.97E-13	5.95E-13	4.7E-13	0	0	0	0	7.099E-13	8.4306E-12	3.11973E-08	2.01652E-13	0	1.00651E-13	0
717	571510.6	4178799	0.55, 41787	0.20623	0.22585	0.19985	71.44774	40.73398	67.79843	10.29216	7.00806	9.90291	6.2E-10	2.1E-07	3.07E-08	1.91E-13	5.77E-13	4.56E-13	0	0	0	0	6.885E-13	1.0009E-11	3.07028E-08	1.95564E-13	0	9.76123E-14	0
718	571550.6	4178799	0.55, 41787	0.19818	0.21228	0.19356	94.10249	39.35835	107.36049	13.01678	6.4744	14.79864	6E-10	3.33E-07	4.59E-08	1.85E-13	5.59E-13	4.42E-13	0	0	0	0	6.668E-13	1.5848E-11	4.58795E-08	1.89407E-13	0	9.45393E-14	0
719	571590.6	4178799	0.55, 41787	0.19254	0.20073	0.18997	94.76849	37.66806	114.23818	12.95063	6.01952	15.50303	5.89E-10	3.54E-07	4.81E-08	1.82E-13	5.49E-13	4.33E-13	0	0	0	0	6.544E-13	1.6863E-11	4.80627E-08	1.85893E-13	0	9.27849E-14	0
720	570310.6	4178839	0.55, 41788	0.10118	0.0904	0.098	86.93136	38.98232	105.93151	10.86642	4.87279	13.24144	3.04E-10	3.28E-07	4.11E-08	9.38E-14	2.83E-13	2.24E-13	0	0	0	0	3.376E-13	1.5637E-11	4.10511E-08	9.58935E-14	0	4.78635E-14	0
721	570350.6	4178839	0.55, 41788	0.1118	0.10104	0.10874	92.10266	41.60712	103.12867	11.51283	5.43734	12.89108	3.37E-10	3.2E-07	4E-08	1.04E-13	3.14E-13	2.48E-13	0	0	0	0	3.746E-13	1.5223E-11	3.99657E-08	1.06403E-13	0	5.3109E-14	0
722	570390.6	4178839	0.55, 41788	0.12335	0.11299	0.12071	101.58992	44.39945	123.8041	13.097	6.32134	15.47551	3.74E-10	3.84E-07	4.8E-08	1.15E-13	3.49E-13	2.75E-13	0	0	0	0	4.158E-13	1.8275E-11	4.79775E-08	1.18116E-13	0	5.89553E-14	0
723	570430.6	4178839	0.55, 41788	0.13612	0.12663	0.1341	105.75261	46.22171	135.82058	15.10752	6.99394	17.72822	4.16E-10	4.21E-07	5.5E-08	1.28E-13	3.87E-13	3.06E-13	0	0	0	0	4.619E-13	2.0049E-11	5.49615E-08	1.31218E-13	0	6.54952E-14	0
724	570470.6	4178839	0.55, 41788	0.14941	0.1416	0.14777	113.55911	47.52324	144.14907	16.22273	7.30549	20.59272	4.58E-10	4.47E-07	6.38E-08	1.41E-13	4.27E-13	3.37E-13	0	0	0	0	5.09E-13	2.1278E-11	6.3841E-08	1.44595E-13	0	7.21719E-14	0
725	570510.6	4178839	0.55, 41788	0.16314	0.158	0.16129	114.44641	50.69094	152.51274	16.21485	7.16417	20.85712	5E-10	4.73E-07	6.47E-08	1.54E-13	4.66E-13	3.68E-13	0	0	0	0	5.556E-13	2.2512E-11	6.46605E-08	1.57825E-13	0	7.87756E-14	0
726	570550.6	4178839	0.55, 41788	0.17704	0.17576	0.1737	109.2842	56.30775	135.99936	15.45924	8.75778	18.63755	5.39E-10	4.22E-07	5.78E-08	1.66E-13	5.02E-13	3.96E-13	0	0	0	0	5.984E-13	2.0075E-11	5.77803E-08	1.6997E-13	0	8.48374E-14	0
727	570590.6	4178839	0.55, 41788	0.1907	0.19445	0.18485	121.04262	57.73789	162.59872	17.123	9.62298	23.05827	5.73E-10	5.04E-07	7.15E-08	1.77E-13	5.34E-13	4.22E-13	0	0	0	0	6.368E-13	2.4001E-11	7.14837E-08	1.80882E-13	0	9.02842E-14	0
728	570630.6	4178839	0.55, 41788	0.20316	0.21304	0.19546	125.84874	56.85617	163.76967	17.26057	9.47603	21.8341	6.06E-10	5.08E-07	6.77E-08	1.87E-13	5.65E-13	4.46E-13	0	0	0	0	6.733E-13	2.4174E-11	6.76895E-08	1.91266E-13	0	9.54672E-14	0
729	570670.6	4178839	0.55, 41788	0.21386	0.23043	0.20601	138.80556	56.19819	167.35734	17.35069	9.51337	20.91967	6.39E-10	5.19E-07	6.49E-08	1.97E-13	5.95E-13	4.7E-13	0	0	0	0	7.097E-13	2.4704E-11	6.48553E-08	2.01592E-13	0	1.00621E-13	0
730	570710.6	4178839	0.55, 41788	0.22462	0.24643	0.21368	139.69865	64.11019	158.44625	17.46233	11.64998	19.80578	6.63E-10	4.91E-07	6.14E-08	2.04E-13	6.17E-13	4.88E-13	0	0	0	0	7.361E-13	2.3389E-11	6.14029E-08	2.09099E-13	0	1.04368E-13	0
731	570750.6	4178839	0.55, 41788	0.23931	0.26333	0.21642	129.30344	65.03758	176.13066	16.25667	13.35444	22.02002	6.71E-10	5.46E-07	6.83E-08	2.07E-13	6.25E-13	4.94E-13	0	0	0	0	7.456E-13	2.5999E-11	6.82649E-08	2.11784E-13	0	1.05708E-13	0
732	570790.6	4178839	0.55, 41788	0.2546	0.28325	0.22784	148.04332	66.52984	161.44916	18.88746	13.10425	20.18115	7.06E-10	5E-07	6.26E-08	2.18E-13	6.58E-13	5.2E-13	0	0	0	0	7.849E-13	2.3832E-11	6.25676E-08	2.22961E-13	0	1.11287E-13	0
733	570830.6	4178839	0.55, 41788	0.26766	0.30497	0.26524	136.3658	90.38201	203.70222	17.19519	14.05196	26.51864	8.22E-10	6.31E-07	8.22E-08	2.54E-13	7.66E-13	6.05E-13	0	0	0	0	9.137E-13	3.0069E-11	8.22092E-08	2.59553E-13	0	1.29551E-13	0
734	570870.6	4178839	0.55, 41788	0.28248	0.32215	0.27934	145.76117	97.26265	213.43334	18.22015	15.13016	26.67917	8.66E-10	6.62E-07	8.27E-08	2.67E-13	8.07E-13	6.37E-13	0	0	0	0	9.623E-13	3.1506E-11	8.27077E-08	2.73351E-13	0	1.36438E-13	0
735	570910.6	4178839	0.55, 41788	0.28799	0.33135	0.25629	130.6935	81.1686	210.24612	16.33669	13.50967	26.28077	7.95E-10	6.52E-07	8.15E-08	2.45E-13	7.4E-13	5.85E-13	0	0	0	0	8.829E-13	3.1035E-11	8.14712E-08	2.50804E-13	0	1.25185E-13	0
736	570950.6	4178839	0.55, 41788	0.28758	0.33724	0.25781	143.26415	81.64199	232.33178	17.90802	13.93242	29.04147	7.99E-10	7.2E-07	9E-08	2.47E-13	7.45E-13	5.88E-13	0	0	0	0	8.882E-13	3.4295E-11	9.00293E-08	2.52293E-13	0	1.25927E-13	0
737	570990.6	4178839	0.55, 41788	0.28844	0.33412	0.27084	115.42228	74.82901	134.90402	15.11344	13.01217	21.06919	8.4E-10	4.18E-07	6.53E-08	2.59E-13	7.82E-13	6.18E-13	0	0	0	0	9.331E-13	1.9914E-11	6.53169E-08	2.65039E-13	0	1.32289E-13	0
738	571030.6	4178839	0.55, 41788	0.29049	0.32848	0.28015	122.60648	67.85889	167.69329	20.43441	11.21527	20.96166	8.69E-10	5.2E-07	6.5E-08	2.68E-13	8.09E-13	6.39E-13	0	0	0	0	9.651E-13	2.4754E-11	6.49881E-08	2.74145E-13	0	1.36835E-13	0
739	571070.6	4178839	0.55, 41788	0.28682	0.32211	0.27916	145.80556	62.69899	194.95005	22.09774	10.44682	32.49167	8.66E-10	6.04E-07	1.01E-07	2.67E-13	8.06E-13	6.37E-13	0	0	0	0	9.617E-13	2.8777E-11	1.00727E-07	2.73175E-13	0	1.3635E-13	0
740	571110.6	4178839	0.55, 41788	0.272	0.3104	0.2597	131.09883	59.8466	180.45962	17.36249	9.97443	23.15348	8.05E-10	5.59E-07	7.18E-08	2.48E-13	7.5E-13	5.93E-13	0	0	0	0	8.947E-13	2.6638E-11	7.1779E-08	2.54135E-13	0	1.26847E-13	0
741	571150.6	4178839	0.55, 41788	0.26	0.30055	0.24148	99.99815	55.57889	134.60776	12.49977	9.26315	16.82597	7.49E-10	4.17E-07	5.22E-08	2.31E-13	6.98E-13	5.51E-13	0	0	0	0	8.319E-13	1.987E-11	5.21628E-08	2.36308E-13	0	1.17949E-13	0
742	571190.6	4178839	0.55, 41788	0.2552	0.29099	0.23588	127.82601	53.11626	132.48794	15.97966	8.85271	16.56099	7.31E-10	4.11E-07	5.13E-08	2.26E-13	6.81E-13	5.38E-13	0	0	0	0	8.126E-13	1.9557E-11	5.13444E-08	2.30828E-13	0	1.15213E-13	0
743	571230.6	4178839	0.55, 41788	0.25406	0.28009	0.23929	144.46225	51.51588	176.21864	18.06666	8.58598	22.02733	7.42E-10	5.46E-07	6.83E-08	2.29E-13	6.91E-13	5.46E-13	0	0	0	0	8.244E-13	2.6012E-11	6.82891E-08	2.34161E-13	0	1.16877E-13	0
744	571270.6	4178839	0.55, 41788	0.2507	0.26766	0.24251	121.82335	49.56018	161.92313	15.26733	8.26003	20.24326	7.52E-10	5.02E-07	6.28E-08	2.32E-13	7.01E-13	5.53E-13	0	0	0	0	8.354E-13	2.3901E-11	6.2757E-08	2.37308E-13	0	1.18448E-13	0
745	571310.6	4178839	0.55, 41788	0.24184	0.25433	0.23951	103.21026	44.65355	122.05645	14.74432	7.58702	17.43664	7.43E-10	3.78E-07	5.41E-08	2.29E-13	6.92E-13	5.47E-13	0	0	0	0	8.251E-13	1.8017E-11	5.40575E-08	2.3437E-13	0	1.16981E-13	0
746	571350.6	4178839	0.55, 41788	0.22797	0.24079	0.22797	99.0464	44.12829	113.73434	14.35742	7.39344	18.63488	7.07E-10	3.53E-07	5.78E-08	2.18E-13	6.59E-13	5.2E-13	0	0	0	0	7.853E-13	1.6789E-11	5.77711E-08	2.23077E-13	0	1.11345E-13	0
747	571390.6	4178839	0.55, 41788	0.21103	0.22733	0.21036	102.76287	42.76623	112.22851	13.91866	7.25999	15.15441	6.52E-10	3.48E-07	4.7E-08	2.01E-13	6.08E-13	4.8E-13	0	0	0	0	7.247E-13	1.6566E-11	4.6983E-08	2.05846E-13	0	1.02744E-13	0
748	571430.6	4178839	0.55, 41788	0.19469	0.21494	0.19186	96.70075	41.37793	118.14409	13.13698	7.12068	15.87157	5.95E-10	3.66E-07	4.92E-08	1.84E-13	5.54E-13	4.38E-13	0	0	0	0	6.609E-13	1.7439E-11	4.92051E-08	1.87745E-13	0	9.37095E-14	0
749	571470.6	4178839	0.55, 41788	0.18137	0.20392	0.17665	77.02264	40.18933	97.95965	10.5662	6.94319	13.29535	5.48E-10	3.04E-07	4.12E-08	1.69E-13	5.1E-13	4.03E-13	0	0	0	0	6.086E-13	1.446E-11	4.1218E-08	1.72863E-13	0	8.62813E-14	0
750	571510.6	4178839	0.55, 41788	0.17253	0.19446	0.16733	52.60803	39.21497	67.39367	7.34906	6.67327	9.32595	5.19E-10	2.09E-07	2.89E-08	1.6E-13	4.83E-13	3.82E-13	0	0	0	0	5.764E-13	9.9486E-12	2.89121E-08	1.63743E-13	0	8.17293E-14	0
751	571550.6	4178839	0.55, 41788	0.16797	0.18619	0.16347	68.59481	38.25365	67.50423	9.65516	6.29212	9.48561	5.07E-10	2.09E-07	2.94E-08	1.56E-13	4.72E-13	3.73E-13	0	0	0	0	5.631E-13	9.965E-12	2.94089E-08	1.59965E-13	0	7.98435E-14	0
752	571590.6	4178839	0.55, 41788	0.16271	0.17607	0.15959	86.9293	37.04871	99.01478	11.93163	5.86384	13.49632	4.95E-10	3.07E-07	4.18E-08	1.53E-13	4.61E-13	3.64E-13	0	0	0	0	5.498E-13	1.4616E-11	4.1842E-08	1.56166E-13	0	7.79477E-14	0
753	570839.2	4178446	9.17, 41784	74.46739	6.86955	3.72049	1115.31188	246.53605	1658.95445	545.24687	92.47095	232.89196	1.15E-08	5.14E-06	7.22E-07	3.56E-12	1.08E-11	8.5E-12	0	0	0	0	1.283E-11	2.4487E-10	7.22313E-07	3.64327E-12	0	1.81847E-12	0
754	570839.2	4178486	9.17, 41784	72.70489	8.35312	4.22209	2611.28562	240.43522	1473.87155	1286.82968	90.10385	245.64526	1.31E-08	4.57E-06	7.62E-07	4.04E-12	1.22E-11	9.64E-12	0	0	0	0	1.455E-11	2.1756E-10	7.62473E-07	4.13427E-12	0	2.06354E-12	0
755	570879.2	4178406	9.17, 41784	9.26791	12.09581	2.86973	654.37651	281.54322	1652.24347	174.87233	99.71055	250.6883	8.9E-09	5.12E-06	7.77E-07	2.75E-12	8.3E-12	6.55E-12	0	0	0	0	9.894E-12	2.4388E-10	7.77158E-07	2.8105E-12	0	1.40281E-12	0
756	570879.2	4178446	9.17, 41784	110.98197	13.33715	11.62742	3333.88644	260.53475	3586.87714	1717.50318	91.01179	770.8732	3.61E-08	1.11E-05	2.39E-06	1.11E-11	3.36E-11	2.65E-11	0	0	0	0	4.007E-11	5.2943E-10	2.39078E-06	1.13808E-11	0	5.68052E-12	0
757	570879.2	4178486	9.17, 41784	18.42358	13.79846	20.70311	473.0449	246.35325	4578.74855	141.68031	100.88031	655.29094	6.42E-08	1.42E-05	2.03E-06	1.98E-11	5.98E-11	4.72E-11	0	0	0	0	7.131E-11	6.7581E-10	2.0312E-06	2.02567E-11	0	1.01108E-11	0
758	570879.2	4178526	9.17, 41785	94.91809	17.71904	9.02777	3340.71117	271.69492	2014.80922	1490.9797	113.49448	441.47053	2.8E-08	6.25E-06	1.37E-06	8.64E-12	2.61E-11	2.06E-11	0	0	0	0	3.111E-11	2.974E-10	1.36961E-06	8.83831E-12	0	4.41148E-12	0
759	570879.2	4178566	9.17, 41785	6.34056	7.84517	3.48916	517.57011	248.69096	1100.96831	138.67192	92.32789	171.27972	1.08E-08	3.41E-06	5.31E-07	3.34E-12	1.01E-11	7.96E-12	0	0	0	0	1.202E-11	1.6251E-10	5.31E-07	3.41535E-12	0	1.70471E-12	0
760	570919.2	4178366	9.17, 41783	2.36921	8.89638	1.45024	279.82249	231.14799	970.86833	50.20448	85.64726	145.20587	4.5E-09	3.01E-06	4.5E-07	1.39E-12	4.19E-12	3.31E-12	0	0	0	0	5.002E-12	1.4331E-10	4.50109E-07	1.42091E-12	0	7.09224E-13	0
761	570919.2	4178406	9.17, 41784	7.16288	18.51893	2.95623	387.12304	281.06153	1814.51514	102.95605	123.97591	301.78328	9.18E-09	5.62E-06	9.35E-07	2.83E-12	8.55E-12	6.75E-12	0	0	0	0	1.02E-11	2.6783E-10	9.35466E-07	2.89661E-12	0	1.44579E-12	0
762	570919.2	4178446	9.17, 41784	30.90779	15.96768	15.85005	761.46723	266.85593	6280.62092	290.35951	97.37786	1155.63511	4.91E-08	1.95E-05	3.58E-06	1.52E-11	4.58E-11	3.62E-11	0	0	0	0	5.46E-11	9.27E-10	3.58214E-06	1.55101E-11	0	7.74157E-12	0
763	570919.2	4178486	9.17, 41784	29.57453	18.16179	468.02027	992.62163	281.14129	31654.24271	425.98322	121.6397	9353.86757	1.45E-06	9.81E-05	2.9E-05	4.48E-10	1.35E-09	1.07E-09	0	0	0	0	1.612E-09	4.672E-09	2.89927E-05	4.57848E-10	0	2.28526E-10	0
764	570919.2	4178526	9.17, 41785	19.47257	21.77306	15.13476	427.44744	357.8357	3633.422	126.47105	151.21701	760.0028	4.69E-08	1.13E-05	2.36E-06	1.45E-11	4.37E-11	3.45E-11	0	0	0	0	5.214E-11	5.3629E-10	2.35574E-06	1.48114E-11	0	7.39285E-12	0
765	570919.2	4178566	9.17, 41785	68.70701	17.81326	4.44491	3547.24462	326.79695	1605.72558	1121.59815	123.62419	257.53275	1.38E-08	4.98E-06	7.99E-07	4.26E-12	1.29E-11	1.02E-11	0	0	0	0	1.533E-11	2.3702E-10	7.99178E-07	4.35442E-12	0	2.17343E-12	0
766	570959.2	4178326	9.17, 41783	2.08146	12.83514	1.34475	279.67021	252.56813	633.18912	42.32993	97.81035	79.64117	4.18E-09	1.96E-06	2.47E-07	1.29E-12	3.89E-12	3.07E-12	0	0	0	0	4.642E-12	9.3466E-11	2.46884E-07	1.31866E-12	0	6.58186E-13	0
767	570959.2	4178366	9.17, 41783	2.97969	11.80225	1.85212	241.09871	252.07126	954.07883	42.48046	78.75938	136.29698	5.75E-09	2.96E-06	4.22E-07	1.77E-12	5.36E-12	4.23E-12	0	0	0	0	6.389E-12	1.4083E-10	4.22489E-07	1.81477E-12	0	9.05811E-13	0
768	570959.2	4178406	9.17, 41784	5.48321	18.00699	4.34111	312.89849	292.26242	1429.75284	67.10795	111.57482	238.11199	1.35E-08	4.43E-06	7.38E-07	4.16E-12	1.25E-11	9.91E-12	0	0	0	0	1.497E-11	2.1104E-10	7.38086E-07	4.2512E-12	0	2.12191E-12	0
769	570959.2	4178446	9.17, 41784	13.2141	15.9724	27.93872	471.07205	258.82785	2485.7483	129.31081	100.45092	486.63208	8.66E-08	7.7E-06	1.51E-06	2.67E-11	8.07E-11	6.37E-11	0	0	0	0	9.623E-11	3.669E-10	1.50843E-06	2.73354E-11	0	1.3644E-11	0
770	570959.2	4178486	9.17, 41784	61.20406	15.71053	62.85492	1330.20017	250.50131	2800.83581	539.4281	101.77571	895.66291	1.95E-07	8.68E-06	2.78E-06	6.01E-11	1.82E-10	1.43E-10	0	0	0	0	2.165E-10	4.134E-10	2.77657E-06	6.14935E-11	0	3.06934E-11	0
771	570959.2	4178526	9.17, 41785	233.18259	14.04006	12.98457	3491.90215	258.73899	2789.84609	1687.05022	110.68808	397.86928	4.03E-08	8.65E-06	1.23E-06	1.24E-11	3.75E-11	2.96E-11	0	0	0	0	4.475E-11	4.1179E-10	1.23463E-06	1.27119E-11	0	6.34493E-12	0
772	570999.2	4178286	9.17, 41782	4.82709	7.01905	1.81527	541.05323	230.67805	782.52024	117.6944	82.70868	130.42004	5.63E-09	2.43E-06	4.04E-07	1.74E-12	5.25E-12	4.15E-12	0	0	0	0	6.258E-12	1.1551E-10	4.04337E-07	1.77762E-12	0	8.87267E-13	0

773	570999.2	4178326	9.17, 41783	3.49216	17.23511	2.06149	334.8047	281.26172	702.77079	73.88295	121.01705	110.07877	6.4E-09	2.18E-06	3.41E-07	1.98E-12	5.97E-12	4.71E-12	0	0	0	0	7.115E-12	1.0374E-10	3.41252E-07	2.02091E-12	0	1.0087E-12	0
774	570999.2	4178366	9.17, 41783	3.49499	15.86199	2.88936	258.09779	262.50756	719.40934	51.99585	99.38677	89.92617	8.97E-09	2.23E-06	2.79E-07	2.77E-12	8.36E-12	6.6E-12	0	0	0	0	9.964E-12	1.0619E-10	2.78771E-07	2.83045E-12	0	1.41277E-12	0
775	570999.2	4178406	9.17, 41784	4.67229	14.08019	6.50261	269.25985	258.20089	888.73579	48.54927	90.52886	138.83889	2.02E-08	2.75E-06	4.3E-07	6.22E-12	1.88E-11	1.48E-11	0	0	0	0	2.241E-11	1.3118E-10	4.30373E-07	6.36473E-12	0	3.17684E-12	0
776	570999.2	4178446	9.17, 41784	8.21208	17.59623	13.45709	365.10896	254.50285	1091.31402	80.87758	113.65243	185.77432	4.17E-08	3.38E-06	5.76E-07	1.29E-11	3.89E-11	3.07E-11	0	0	0	0	4.636E-11	1.6108E-10	5.75877E-07	1.31689E-11	0	6.57303E-12	0
777	570999.2	4178486	9.17, 41784	18.06608	14.21786	20.31738	585.19163	263.25351	1140.06137	156.20535	101.07997	297.24229	6.3E-08	3.53E-06	9.21E-07	1.94E-11	5.87E-11	4.64E-11	0	0	0	0	6.998E-11	1.6828E-10	9.21436E-07	1.98795E-11	0	9.92248E-12	0
778	571039.2	4178246	9.17, 41782	16.91212	6.90765	2.82369	857.31055	271.11205	1316.76682	274.95229	93.64332	189.48612	8.76E-09	4.08E-06	5.88E-07	2.7E-12	8.16E-12	6.45E-12	0	0	0	0	9.732E-12	1.9436E-10	5.87547E-07	2.76441E-12	0	1.37981E-12	0
779	571039.2	4178286	9.17, 41782	28.85834	15.10006	3.68614	1240.055	260.3069	1323.38037	549.80999	92.85324	215.01085	1.14E-08	4.1E-06	6.67E-07	3.53E-12	1.07E-11	8.42E-12	0	0	0	0	1.271E-11	1.9534E-10	6.66894E-07	3.61041E-12	0	1.80207E-12	0
780	571039.2	4178326	9.17, 41783	6.67676	17.1171	4.10991	443.85334	276.43557	1246.54946	131.23026	111.87763	155.81868	1.28E-08	3.86E-06	4.83E-07	3.94E-12	1.19E-11	9.39E-12	0	0	0	0	1.417E-11	1.84E-10	4.83072E-07	4.02485E-12	0	2.00893E-12	0
781	571039.2	4178366	9.17, 41783	4.40971	16.57374	4.87433	310.01939	259.88486	992.68074	73.97776	106.04392	160.75052	1.51E-08	3.08E-06	4.98E-07	4.67E-12	1.41E-11	1.11E-11	0	0	0	0	1.68E-11	1.4653E-10	4.9831E-07	4.77245E-12	0	2.38208E-12	0
782	571039.2	4178406	9.17, 41784	4.40492	15.47088	6.2465	249.62047	251.60574	625.26496	54.55389	95.67705	86.62547	1.94E-08	1.94E-06	2.69E-07	5.98E-12	1.81E-11	1.43E-11	0	0	0	0	2.153E-11	9.2296E-11	2.68542E-07	6.11452E-12	0	3.05195E-12	0
783	571039.2	4178446	9.17, 41784	6.02235	17.33371	7.45895	271.18693	258.43077	565.95619	53.34538	113.33058	91.15286	2.31E-08	1.75E-06	2.83E-07	7.14E-12	2.16E-11	1.7E-11	0	0	0	0	2.57E-11	8.3543E-11	2.82574E-07	7.30109E-12	0	3.64421E-12	0
784	571079.2	4178246	9.17, 41782	26.90238	12.76385	4.78342	686.22219	257.40547	1959.72628	294.80616	92.56412	417.67679	1.48E-08	6.07E-06	1.29E-06	4.58E-12	1.38E-11	1.09E-11	0	0	0	0	1.649E-11	2.8926E-10	1.29484E-06	4.68321E-12	0	2.33754E-12	0
785	571079.2	4178286	9.17, 41782	49.90964	15.92317	13.80121	957.6563	283.49226	4117.74908	414.11972	108.09945	689.22522	4.28E-08	1.28E-05	2.14E-06	1.32E-11	3.99E-11	3.15E-11	0	0	0	0	4.755E-11	6.0777E-10	2.13661E-06	1.35063E-11	0	6.74142E-12	0
786	571079.2	4178326	9.17, 41783	16.67986	14.36437	14.4793	793.60016	243.70787	3077.685	313.14105	91.11491	664.711	4.49E-08	9.54E-06	2.06E-06	1.39E-11	4.18E-11	3.3E-11	0	0	0	0	4.988E-11	4.5426E-10	2.06054E-06	1.41684E-11	0	7.07188E-12	0
787	571079.2	4178366	9.17, 41783	6.18218	17.09307	7.0902	419.38901	255.0076	1488.27193	110.95083	108.56867	287.95219	2.2E-08	4.61E-06	8.93E-07	6.79E-12	2.05E-11	1.62E-11	0	0	0	0	2.443E-11	2.1967E-10	8.92603E-07	6.94031E-12	0	3.46413E-12	0
788	571079.2	4178406	9.17, 41784	4.42977	14.91	5.35349	310.20505	209.99469	815.89349	72.09993	91.11305	117.58287	1.66E-08	2.53E-06	3.65E-07	5.12E-12	1.55E-11	1.22E-11	0	0	0	0	1.845E-11	1.2043E-10	3.6451E-07	5.24079E-12	0	2.61585E-12	0
789	571119.2	4178286	9.17, 41782	25.0824	15.07438	138.00946	507.91812	256.39153	16734.57469	211.8106	106.96205	4271.60103	4.28E-07	5.19E-05	1.32E-05	1.32E-10	3.99E-10	3.15E-10	0	0	0	0	4.753E-10	2.47E-09	1.324E-05	1.35013E-10	0	6.73891E-11	0
790	571119.2	4178326	9.17, 41783	197.49067	14.51391	52.98238	3348.29445	230.6601	7805.71053	1622.72219	95.52079	2122.69744	1.64E-07	2.42E-05	6.58E-06	5.07E-11	1.53E-10	1.21E-10	0	0	0	0	1.825E-10	1.1521E-09	6.58069E-06	5.18391E-11	0	2.58745E-11	0
791	571119.2	4178366	9.17, 41783	10.01384	12.46582	9.59129	630.48898	206.62645	2115.5821	198.58486	83.22549	424.70779	2.97E-08	6.56E-06	1.32E-06	9.18E-12	2.77E-11	2.19E-11	0	0	0	0	3.304E-11	3.1226E-10	1.31655E-06	9.386E-12	0	4.68485E-12	0
792	571159.2	4178326	9.17, 41783	219.15803	19.05137	35.48029	3124.9508	277.70648	3646.5914	1560.39264	128.55095	753.34584	1.1E-07	1.13E-05	2.34E-06	3.39E-11	1.02E-10	8.1E-11	0	0	0	0	1.222E-10	5.3824E-10	2.33632E-06	3.47193E-11	0	1.73295E-11	0
793	570808.8	4178465	8.82, 41784	10.95844	3.34212	2.15804	1253.90468	193.66587	956.23037	302.59047	56.7134	159.37173	6.69E-09	2.96E-06	4.94E-07	2.07E-12	6.24E-12	4.93E-12	0	0	0	0	7.436E-12	1.4115E-10	4.9423E-07	2.11222E-12	0	1.05427E-12	0
794	570823.9	4178530	3.91, 41785	3.05561	3.25593	2.40542	358.64643	197.99385	1108.94733	70.39413	63.38636	140.39269	7.46E-09	3.44E-06	4.35E-07	2.3E-12	6.95E-12	5.49E-12	0	0	0	0	8.287E-12	1.6368E-10	4.35207E-07	2.35398E-12	0	1.17495E-12	0
795	570883.3	4178602	3.31, 41786	3.07425	4.49746	2.05933	479.66242	287.53386	914.81532	94.76169	103.00469	119.05382	6.39E-09	2.84E-06	3.69E-07	1.97E-12	5.95E-12	4.7E-12	0	0	0	0	7.096E-12	1.3503E-10	3.69088E-07	2.01572E-12	0	1.00611E-12	0
796	571181.5	4178310	1.45, 41783	77.30582	13.12592	35.80897	2585.53888	242.23364	1672.90767	872.95261	114.20023	513.62427	1.11E-07	5.19E-06	1.59E-06	3.43E-11	1.03E-10	8.17E-11	0	0	0	0	1.233E-10	2.4693E-10	1.59272E-06	3.50355E-11	0	1.74874E-11	0
797	571067.8	4178207	7.83, 41782	5.36607	4.9243	1.64986	895.65181	299.02694	904.65641	223.56067	96.05921	144.20823	5.12E-09	2.8E-06	4.47E-07	1.58E-12	4.77E-12	3.77E-12	0	0	0	0	5.687E-12	1.3354E-10	4.47164E-07	1.61532E-12	0	8.06256E-13	0
798	570799.9	4178447	9.89, 41784	4.88888	2.78293	1.75814	732.83791	152.28075	768.58836	142.77112	52.0733	124.31973	5.45E-09	2.38E-06	3.85E-07	1.68E-12	5.08E-12	4.01E-12	0	0	0	0	6.058E-12	1.1345E-10	3.85451E-07	1.72071E-12	0	8.58862E-13	0

	Trenching	Grading	Stockpile
Emissions Rate (g/s):	1.03E-12	9.13E-12	3.70E-08

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	0.2	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	0.2	10	2	70	0.85
2<9	861	1	0.854795	0.000001	0.2	3	0.55	70	0.72
Student	640	1	0.493151	0.000001	0.2	3	2.8	70	1
Worker	230	1	0.684932	0.000001	0.2	1	2.8	70	1

Tetrachloroethene

	Chronic (Annu	Acute (1hr)	8hr
REL:	1	1	1

				Concentration [µg/m^3] at 1 g/s									Concentration (µg/m^3) Unmitigated			Unmitigated Residential Dose			Risk by Age Group				Unmitigated			Student Unmitigated		Worker Unmitigated	
#	X	Y	X,Y	Trenching Period	Grading Period	Stockpile Period	Treching 1hr	Grading 1hr	Stockpile 1hr	Trenching 8hr	Grading 8hr	Stockpile 8hr	Period Tota	1hr Total	8hr Total	3rd	0<2	2<9	3rd	0<2	2<9	Total Risk	Chronic	Acute	8hr	Dose	Risk	Dose	Risk
1	570310.6	4177919	0.55, 41779	0.08215	0.06425	0.08047	53.98877	25.74637	57.86027	6.7486	3.78109	7.23253	2.98E-09	2.14E-06	2.68E-07	9.19E-13	2.77E-12	2.19E-12	5.58E-15	1.35E-13	7.43844E-15	1.4777E-13	2.978E-09	2.1408E-06	2.67632E-07	9.39784E-13	2.25548E-14	4.69076E-13	3.75261E-15
2	570350.6	4177919	0.55, 41779	0.08744	0.06946	0.0859	61.34869	26.43683	62.74615	7.66859	3.66465	7.84327	3.18E-09	2.32E-06	2.9E-07	9.81E-13	2.96E-12	2.34E-12	5.96E-15	1.44E-13	7.94039E-15	1.57741E-13	3.179E-09	2.3216E-06	2.90235E-07	1.0032E-12	2.40768E-14	5.0073E-13	4.00584E-15
3	570390.6	4177919	0.55, 41779	0.09273	0.07514	0.09126	67.57642	27.23616	68.95787	8.44705	3.80844	8.61973	3.38E-09	2.55E-06	3.19E-07	1.04E-12	3.15E-12	2.49E-12	6.33E-15	1.53E-13	8.43589E-15	1.67585E-13	3.377E-09	2.5514E-06	3.18968E-07	1.0658E-12	2.55793E-14	5.31977E-13	4.25581E-15
4	570430.6	4177919	0.55, 41779	0.09799	0.08123	0.09661	71.34976	28.07066	72.35504	8.91872	4.01428	9.04438	3.57E-09	2.68E-06	3.35E-07	1.1E-12	3.33E-12	2.63E-12	6.7E-15	1.62E-13	8.93047E-15	1.7741E-13	3.575E-09	2.6771E-06	3.34682E-07	1.12829E-12	2.7079E-14	5.63165E-13	4.50532E-15
5	570470.6	4177919	0.55, 41779	0.10292	0.08757	0.10182	71.34124	28.88227	71.18869	8.91766	4.18506	8.89859	3.77E-09	2.63E-06	3.29E-07	1.16E-12	3.51E-12	2.77E-12	7.06E-15	1.71E-13	9.41212E-15	1.86978E-13	3.768E-09	2.6339E-06	3.29289E-07	1.18914E-12	2.85394E-14	5.93539E-13	4.74831E-15
6	570510.6	4177919	0.55, 41779	0.10719	0.09397	0.10631	70.57748	29.51269	72.86498	8.82218	4.31581	9.10812	3.93E-09	2.7E-06	3.37E-07	1.21E-12	3.67E-12	2.9E-12	7.37E-15	1.78E-13	9.82722E-15	1.95225E-13	3.934E-09	2.6959E-06	3.37039E-07	1.24159E-12	2.97981E-14	6.19716E-13	4.95773E-15
7	570550.6	4177919	0.55, 41779	0.11095	0.10041	0.10942	80.02506	30.00614	83.29269	10.00313	4.88273	10.41159	4.05E-09	3.08E-06	3.85E-07	1.25E-12	3.77E-12	2.98E-12	7.59E-15	1.83E-13	1.01148E-14	2.00938E-13	4.049E-09	3.0817E-06	3.85273E-07	1.27792E-12	3.06701E-14	6.3785E-13	5.1028E-15
8	570590.6	4177919	0.55, 41779	0.11537	0.10684	0.11183	81.14556	31.22548	84.40479	10.14319	5.49199	10.5506	4.14E-09	3.12E-06	3.9E-07	1.28E-12	3.86E-12	3.05E-12	7.75E-15	1.87E-13	1.03377E-14	2.05365E-13	4.138E-09	3.1229E-06	3.90417E-07	1.30608E-12	3.13459E-14	6.51906E-13	5.21524E-15
9	570630.6	4177919	0.55, 41779	0.12154	0.11343	0.11602	82.02682	32.76834	84.97635	10.54682	6.07261	10.62204	4.29E-09	3.14E-06	3.93E-07	1.32E-12	4E-12	3.16E-12	8.04E-15	1.94E-13	1.07251E-14	2.13061E-13	4.293E-09	3.144E-06	3.93064E-07	1.35502E-12	3.25205E-14	6.76335E-13	5.41068E-15
10	570670.6	4177919	0.55, 41779	0.12896	0.11974	0.12346	90.28793	34.09351	94.2666	12.11861	6.60764	13.84836	4.57E-09	3.49E-06	5.12E-07	1.41E-12	4.26E-12	3.36E-12	8.56E-15	2.07E-13	1.14128E-14	2.26724E-13	4.569E-09	3.4877E-06	5.12436E-07	1.44191E-12	3.46059E-14	7.19705E-13	5.75764E-15
11	570710.6	4177919	0.55, 41779	0.13589	0.12543	0.13131	92.03158	38.34133	98.54944	11.50395	7.03486	13.72911	4.86E-09	3.65E-06	5.08E-07	1.5E-12	4.53E-12	3.58E-12	9.1E-15	2.2E-13	1.21384E-14	2.41138E-13	4.859E-09	3.6462E-06	5.08018E-07	1.53359E-12	3.68061E-14	7.65463E-13	6.1237E-15
12	570750.6	4177919	0.55, 41779	0.14097	0.13029	0.13561	98.93292	42.68075	106.54938	12.36662	7.25038	14.15663	5.02E-09	3.94E-06	5.24E-07	1.55E-12	4.68E-12	3.69E-12	9.4E-15	2.27E-13	1.25359E-14	2.49035E-13	5.018E-09	3.9422E-06	5.23842E-07	1.58381E-12	3.80115E-14	7.90531E-13	6.32425E-15
13	570790.6	4177919	0.55, 41779	0.1434	0.13429	0.137	101.78306	44.96916	112.12821	12.72288	7.16867	14.01603	5.07E-09	4.15E-06	5.19E-07	1.56E-12	4.72E-12	3.73E-12	9.5E-15	2.29E-13	1.26645E-14	2.51589E-13	5.07E-09	4.1486E-06	5.18645E-07	1.60005E-12	3.84013E-14	7.98638E-13	6.3891E-15
14	570830.6	4177919	0.55, 41779	0.14249	0.1373	0.1371	103.05806	46.92439	113.14313	12.88226	6.63254	14.14289	5.07E-09	4.19E-06	5.23E-07	1.57E-12	4.73E-12	3.73E-12	9.51E-15	2.3E-13	1.26738E-14	2.51774E-13	5.073E-09	4.1862E-06	5.23339E-07	1.60123E-12	3.84295E-14	7.99225E-13	6.3938E-15
15	570870.6	4177919	0.55, 41779	0.13915	0.13926	0.13269	113.81753	49.41272	127.10432	14.22719	6.17659	15.88804	4.91E-09	4.7E-06	5.88E-07	1.52E-12	4.57E-12	3.61E-12	9.2E-15	2.22E-13	1.22663E-14	2.43678E-13	4.91E-09	4.7027E-06	5.87914E-07	1.54974E-12	3.71938E-14	7.73526E-13	6.18821E-15
16	570910.6	4177919	0.55, 41779	0.13537	0.14116	0.12571	103.09741	52.00284	118.27061	16.13684	6.50036	14.78383	4.65E-09	4.38E-06	5.47E-07	1.44E-12	4.33E-12	3.42E-12	8.72E-15	2.11E-13	1.16213E-14	2.30864E-13	4.652E-09	4.3759E-06	5.47084E-07	1.46825E-12	3.52379E-14	7.32849E-13	5.86279E-15
17	570950.6	4177919	0.55, 41779	0.13129	0.14261	0.12523	128.63222	54.75687	154.09416	19.7206	7.6051	23.34348	4.63E-09	5.7E-06	8.64E-07	1.43E-12	4.32E-12	3.41E-12	8.68E-15	2.1E-13	1.15769E-14	2.29984E-13	4.634E-09	5.7013E-06	8.63779E-07	1.46265E-12	3.51035E-14	7.30053E-13	5.84043E-15
18	570990.6	4177919	0.55, 41779	0.12715	0.1442	0.12572	126.51514	58.01026	163.29109	18.07359	9.36612	23.3273	4.65E-09	6.04E-06	8.63E-07	1.44E-12	4.33E-12	3.42E-12	8.72E-15	2.11E-13	1.16222E-14	2.30884E-13	4.652E-09	6.0415E-06	8.63164E-07	1.46837E-12	3.52409E-14	7.32911E-13	5.86329E-15
19	571030.6	4177919	0.55, 41779	0.12254	0.14609	0.11762	125.39004	62.99788	174.41478	17.19472	10.49965	21.80185	4.35E-09	6.45E-06	8.07E-07	1.34E-12	4.06E-12	3.2E-12	8.15E-15	1.97E-13	1.08737E-14	2.16013E-13	4.353E-09	6.4531E-06	8.06722E-07	1.3738E-12	3.29712E-14	6.85707E-13	5.48565E-15
20	571070.6	4177919	0.55, 41779	0.1201	0.14847	0.1104	126.80092	67.58831	177.9713	16.22667	10.87469	22.24641	4.09E-09	6.58E-06	8.23E-07	1.26E-12	3.81E-12	3.01E-12	7.65E-15	1.85E-13	1.02065E-14	2.02759E-13	4.086E-09	6.5847E-06	8.23159E-07	1.2895E-12	3.09481E-14	6.43632E-13	5.14906E-15
21	571110.6	4177919	0.55, 41779	0.1205	0.15044	0.10927	126.62476	68.47754	165.66905	20.2586	9.61445	20.70863	4.04E-09	6.13E-06	7.66E-07	1.25E-12	3.77E-12	2.98E-12	7.58E-15	1.83E-13	1.01021E-14	2.00685E-13	4.044E-09	6.1296E-06	7.6631E-07	1.27632E-12	3.06316E-14	6.3705E-13	5.0964E-15
22	571150.6	4177919	0.55, 41779	0.1212	0.15159	0.11602	131.66409	62.22893	172.39569	21.10658	9.19459	24.99313	4.29E-09	6.38E-06	9.25E-07	1.32E-12	4E-12	3.16E-12	8.04E-15	1.94E-13	1.07259E-14	2.13078E-13	4.294E-09	6.3784E-06	9.24821E-07	1.35513E-12	3.25232E-14	6.7639E-13	5.41112E-15
23	571190.6	4177919	0.55, 41779	0.12215	0.15198	0.11825	137.85581	66.48698	180.99172	19.69369	10.25241	26.94632	4.38E-09	6.7E-06	9.97E-07	1.35E-12	4.08E-12	3.22E-12	8.2E-15	1.98E-13	1.0932E-14	2.17173E-13	4.376E-09	6.6964E-06	9.97064E-07	1.38117E-12	3.31481E-14	6.89387E-13	5.51509E-15
24	571230.6	4177919	0.55, 41779	0.12354	0.15154	0.11348	148.65332	75.08948	179.38421	21.23619	9.50538	22.42303	4.2E-09	6.64E-06	8.3E-07	1.3E-12	3.91E-12	3.09E-12	7.87E-15	1.9E-13	1.04912E-14	2.08415E-13	4.2E-09	6.6371E-06	8.29743E-07	1.32548E-12	3.18114E-14	6.61587E-13	5.2927E-15
25	571270.6	4177919	0.55, 41779	0.12544	0.15047	0.11372	135.01221	73.55453	181.97135	18.66937	9.80753	25.99591	4.21E-09	6.73E-06	9.62E-07	1.3E-12	3.92E-12	3.1E-12	7.88E-15	1.9E-13	1.05134E-14	2.08855E-13	4.209E-09	6.7327E-06	9.61894E-07	1.32828E-12	3.18786E-14	6.62985E-13	5.30388E-15
26	571310.6	4177919	0.55, 41779	0.12844	0.14895	0.1185	144.25948	74.57026	160.72945	18.03243	9.63087	20.79832	4.39E-09	5.95E-06	7.7E-07	1.35E-12	4.09E-12	3.23E-12	8.22E-15	1.98E-13	1.09551E-14	2.17631E-13	4.385E-09	5.9469E-06	7.69606E-07	1.38408E-12	3.3218E-14	6.9084E-13	5.52672E-15
27	571350.6	4177919	0.55, 41779	0.13264	0.1484	0.12186	134.13439	65.82548	182.86761	16.7668	8.49886	22.85845	4.51E-09	6.77E-06	8.46E-07	1.39E-12	4.2E-12	3.32E-12	8.45E-15	2.04E-13	1.12656E-14	2.23799E-13	4.51E-09	6.7658E-06	8.45806E-07	1.42331E-12	3.41596E-14	7.10422E-13	5.68338E-15
28	571390.6	4177919	0.55, 41779	0.13487	0.1464	0.12015	140.45529	51.40311	177.22554	17.55691	7.98518	22.15319	4.45E-09	6.56E-06	8.2E-07	1.37E-12	4.14E-12	3.27E-12	8.33E-15	2.01E-13	1.11075E-14	2.20659E-13	4.446E-09	6.557E-06	8.19723E-07	1.40334E-12	3.36802E-14	7.00454E-13	5.60363E-15
29	571430.6	4177919	0.55, 41779	0.14548	0.15293	0.12366	139.19794	49.3636	190.22803	17.39974	7.65374	23.7785	4.58E-09	7.04E-06	8.8E-07	1.41E-12	4.26E-12	3.37E-12	8.57E-15	2.07E-13	1.14321E-14	2.27107E-13	4.576E-09	7.038E-06	8.79849E-07	1.44435E-12	3.46644E-14	7.20921E-13	5.76737E-15
30	571470.6	4177919	0.55, 41779	0.15916	0.16179	0.13045	134.87595	45.89373	190.37308	16.85949	6.86379	23.79664	4.83E-09	7.04E-06	8.81E-07	1.49E-12	4.5E-12	3.55E-12	9.04E-15	2.18E-13	1.20598E-14	2.39577E-13	4.828E-09	7.0433E-06	8.80515E-07	1.52366E-12	3.65678E-14	7.60507E-13	6.08406E-15
31	571510.6	4177919	0.55, 41779	0.17426	0.17151	0.14116	122.2315	42.4201	161.48029	15.27894	5.85942	20.18504	5.22E-09	5.97E-06	7.47E-07	1.61E-12	4.87E-12	3.84E-12	9.79E-15	2.36E-13	1.30499E-14	2.59245E-13	5.224E-09	5.9744E-06	7.4689E-07	1.64874E-12	3.95698E-14	8.2294E-13	6.58352E-15
32	571550.6	4177919	0.55, 41779	0.18787	0.18026	0.15558	112.99449	35.73716	155.78517	14.12431	5.76206	19.47315	5.76E-09	5.76E-06	7.21E-07	1.78E-12	5.36E-12	4.24E-12	1.08E-14	2.61E-13	1.43828E-14	2.85724E-13	5.757E-09	5.7636E-06	7.20542E-07	1.81714E-12	4.36114E-14	9.06993E-13	7.25595E-15
33	571590.6	4177919	0.55, 41779	0.19949	0.18751	0.17419	94.68734	29.26563	123.69427	11.83592	5.30509	15.46178	6.45E-09	4.58E-06	5.72E-07	1.99E-12	6.01E-12	4.74E-12	1.21E-14	2.92E-13	1.61028E-14	3.19894E-13	6.446E-09	4.5764E-06	5.7212E-07	2.03446E-12	4.8827E-14	1.01546E-12	8.1237E-15
34	570310.6	4177959	0.55, 41779	0.08597	0.06676	0.0838	56.89619	26.25101	62.23098	7.11202	4.18522	7.77887	3.1E-09	2.3E-06	2.88E-07	9.57E-13	2.89E-12	2.28E-12	5.81E-15	1.4E-13	7.74625E-15	1.53885E-13	3.101E-09	2.3025E-06	2.87847E-07	9.78674E-13	2.34882E-14	4.88487E-13	3.9079E-15
35	570350.6	4177959	0.55, 41779	0.09204	0.07257	0.08995	58.96006	27.16756	63.77509	7.37001	4.19821	7.97189	3.33E-09	2.36E-06	2.95E-07	1.03E-12	3.1E-12	2.45E-12	6.24E-15	1.51E-13	8.31476E-15	1.65179E-13	3.328E-09	2.3596E-06	2.94991E-07	1.0505E-12	2.5212E-14	5.24338E-13	4.19471E-15
36	570390.6	4177959	0.55, 41779	0.09833	0.07904	0.09639	63.0038	28.02201	66.12463	7.87548	4.15896	8.26558	3.57E-09	2.45E-06	3.06E-07	1.1E-12	3.32E-12	2.63E-12	6.68E-15	1.61E-13	8.91009E-15	1.77005E-13	3.567E-09	2.4466E-06	3.05861E-07	1.12571E-12	2.70172E-14	5.6188E-13	4.49504E-15
37	570430.6	4177959	0.55, 41779	0.10461	0.08611	0.10266	70.72142	28.76698	72.80329	8.84018	4.23038	9.10041	3.8E-09	2.69E-06	3.37E-07	1.17E-12	3.54E-12	2.8E-12	7.12E-15	1.72E-13	9.48972E-15	1.8852E-13	3.799E-09	2.6937E-06	3.36754E-07	1.19895E-12	2.87747E-14	5.98432E-13	4.78746E-15
38	570470.6	4177959	0.55, 41779	0.11098	0.09385	0.10929	78.78718	29.82596	80.74124	9.8484	4.47695	10.09265	4.04E-09	2.99E-06	3.73E-07	1.25E-12	3.77E-12	2.98E-12	7.58E-15	1.83E-13	1.01026E-14	2.00696E-13	4.044E-09	2.9873E-06	3.73472E-07	1.27638E-12	3.06332E-14	6.37083E-13	5.09667E-15
39	570510.6	4177959	0.55, 41779	0.1169	0.10189	0.11567	83.26174	30.87615	84.48278	10.40772	4.70339	10.56035	4.28E-09	3.13E-06	3.91E-07	1.32E-12	3.99E-12	3.15E-12	8.02E-15	1.94E-13	1.06924E-14	2.12413E-13	4.28E-09	3.1258E-06	3.9078E-07	1.3509E-12	3.24216E-14	6.74278E-13	5.39422E-15
40	570550.6	4177959	0.55, 41779	0.12213	0.11	0.12099	82.46075	31.83495	82.01237	10.30759	4.9071	10.25155	4.48E-09	3.03E-06	3.79E-07	1.38E-12	4.17E-12	3.3E-12	8.39E-15	2.03E-13	1.11843E-14	2.22184E-13	4.477E-09	3.0344E-06	3.79355E-07	1.41304E-12	3.3913E-14	7.05295E-13	5.64236E-15
41	570590.6	4177959	0.55, 41779	0.1275	0.1185	0.12492	87.61849	32.53805	91.54904	10.95231	5.6614	11.44363	4.62E-09	3.39E-06	4.23E-07	1.43E-12	4.31E-12	3.4E-12	8.66E-15	2.09E-13	1.15477E-14	2.29403E-13	4.623E-09	3.3872E-06	4.23462E-07	1.45896E-12	3.50149E-14	7.28211E-13	5.82569E-15
42	570630.6	4177959	0.55, 41779	0.13429	0.12721	0.12893	94.25098	33.95012	99.61773	11.78137	6.34882	12.45222	4.77E-09	3.69E-06	4.61E-07	1.47E-12	4.45E-12	3.51E-12	8.94E-15	2.16E-13	1.19185E-14	2.3677E-13	4.771E-09	3.6857E-06	4.60783E-07	1.5058E-12	3.61393E-14	7.51595E-13	6.01276E-15
43	570670.6	4177959	0.55, 41779	0.1434	0.13582	0.13624	91.47953	35.4429	96.20253	12.89467	6.97952	13.63762	5.04E-09	3.56E-06	5.05E-07	1.56E-12	4.7E-12	3.71E-12	9.45E-15	2.28E-13	1.25943E-14	2.50195E-13	5.042E-09	3.5594E-06	5.04647E-07	1.59118E-12	3.81884E-14	7.94211E-13	6.35369E-15
44	570710.6	4177959	0.55, 41779	0.15342	0.14402	0.1467	103.54122	38.62398	108.53691	12.94265	7.57754	15.98544	5.43E-09	4.02E-06	5.92E-07	1.68E-12	5.06E-12	4E-12	1.02E-14	2.46E-13	1.35612E-14	2.69403E-13	5.429E-09	4.0157E-06	5.91504E-07	1.71334E-12	4.11202E-14	8.55184E-13	6.84147E-15
45	570750.6	4177959	0.55, 41779	0.16261	0.1515	0.15549	105.52732	44.38977	114.23814	13.19092	8.09206	15.7724	5.75E-09	4.23E-06	5.84E-07	1.78E-12	5.36E-12	4.23E-12	1.08E-14	2.6E-13	1.43737E-14	2.85544E-13	5.754E-09	4.2267E-06	5.83625E-07	1.816E-12	4.3584E-14	9.06423E-13	7.25139E-15
46	570790.6	4177959	0.55, 41779	0.16989	0.15823	0.16076	113.60479	47.24143	124.57926	14.2006	8.3928	15.57241	5.95E-09	4.61E-06	5.76E-07	1.84E-12	5.54E-12	4.38E-12	1.11E-14	2.69E-13	1.48609E-14	2.95223E-13	5.949E-09	4.6093E-06	5.76237E-07	1.87755E-12	4.50613E-14	9.37147E-13	7.49718E-15
47	570830.6	4177959	0.55, 41779	0.1738	0.16401	0.16481	115.20896	49.45722	130.36471	14.40112	8.28774	16.29559	6.1E-09	4.82E-06	6.03E-07	1.88E-12	5.68E-12	4.49E-12	1.14E-14	2.76E-13	1.52354E-14	3.02661E-13	6.099E-09	4.8233E-06	6.02993E-07	1.92486E-12	4.61966E-14	9.60759E-13	7.68607E-15
48	570870.6	4177959	0.55, 41779	0.17339	0.16851	0.16469	122.33209	52.01335	138.82114	15.29151	7.46689	17.35264	6.09E-09	5.14E-06	6.42E-07	1.88E-12	5.68E-12	4.49E-12	1.14E-14	2.76E-13	1.52244E-14	3.02443E-13	6.094E-09	5.1362E-06	6.42107E-07	1.92347E-12	4.61633E-14	9.60066E-13	7.68053E-15
49	570910.6	4177959	0.55, 41779	0.16973	0.17204	0.1579	128.70888	55.67631	149.19916	16.08861	6.95954	18.64989	5.84E-09	5.52E-06	6.9E-07	1.8E-12	5.44E-12	4.3E-12	1.09E-14	2.64E-13	1.45969E-14	2.89978E-13	5.843E-09	5.5202E-06	6.90106E-07	1.8442E-12	4.42608E-14	9.20499E-13	7.36399E-15
50	570950.6	4177959	0.55, 41779	0.16375	0.1746	0.15354	137.78687	58.35606	146.62449	21.41966	8.40086	22.62642	5.68E-09	5.42E-06	8.37E-07	1.75E-12	5.29E-12	4.18E-12	1.06E-14	2.57E-13	1.4194E-14	2.81975E-13	5.682E-09	5.425E-06	8.3727E-07	1.7933E-12	4.30391E-14	8.95092E-13	7.16074E-15
51	570990.6	4177959	0.55, 41779	0.1571	0.17611	0.15296	148.41379	62.43724	189.01685	21.20197	10.20575	28.13097	5.66E-09	6.99E-06	1.04E-06	1.75E-12	5.27E-12	4.17E-12	1.06E-14	2.56E-13	1.41405E-14	2.8091E-13	5.66E-09	6.9933E-06	1.04091E-06	1.78653E-12	4.28767E-14	8.91713E-13	7.13371E-15
52	571030.6	4177959	0.55, 41779	0.15135	0.1787	0.14372	141.29712	68.4386	198.29024	19.05284	11.40643	25.9054	5.32E-09	7.34E-06	9.59E-07	1.64E-12	4.96E-12	3.91E-12	9.96E-15	2.41E-13	1.32866E-14	2.63947E-13	5.319E-09	7.3364E-06	9.5855E-07	1.67865E-12	4.02875E-14	8.37866E-13	6.70293E-15
53	571070.6	4177959	0.55, 41779	0.14838	0.1815	0.13361	143.49488	74.36914	202.29359	18.79197	11.80682	25.2867	4.94E-09	7.48E-06	9.36E-07	1.53E-12	4.61E-12	3.64E-12	9.26E-15	2.24E-13	1.23523E-14	2.45387E-13	4.945E-09	7.4846E-06	9.35658E-07	1.56061E-12	3.74546E-14	7.7895E-13	6.2316E-15
54	571110.6	4177959	0.55, 41779	0.14858	0.18375	0.13332	140.62761	73.34522	192.64407	22.74237	10.22286	24.08051	4.93E-09	7.13E-06	8.91E-07	1.52E-12	4.6E-12	3.63E-12	9.24E-15	2.23E-13	1.23255E-14	2.44856E-13	4.934E-09	7.1276E-06	8.91076E-07	1.55723E-12	3.73735E-14	7.77263E-13	6.2181E-15
55	571150.6	4177959	0.55, 41779	0.14994	0.18566	0.14292	146.3467	67.83983	199.40983	22.92053	11.48399	30.37919	5.29E-09	7.38E-06	1.12E-06	1.63E-12	4.93E-12	3.89E-12	9.91E-15	2.39E-13	1.32128E-14	2.62481E-13	5.289E-09	7.3778E-06	1.12409E-06	1.66933E-12	4.00638E-14	8.33214E-13	6.66571E-15
56	571190.6	4177959	0.55, 41779	0.1525	0.18616	0.14359	161.89014	78.97315	204.49698	23.12716	11.84075	29.21385	5.31E-09	7.57E-06	1.08E-06	1.64E-12	4.95E-12	3.91E-12	9.96E-15	2.4E-13	1.32747E-14	2.63712E-13	5.314E-09	7.5661E-06	1.08099E-06	1.67715E-12	4.02516E-14	8.3712E-13	6.69696E-15
57	571230.6	4177959	0.55, 41779	0.15542	0.18516	0.1383	156.07845	81.92899	197.17574	22.29692	11.22006	24.64697	5.12E-09	7.3E-06	9.12E-07	1.58E-12	4.77E-12	3.77E-12	9.59E-15	2.32E-13	1.27858E-14	2.54E-13	5.118E-09	7.2953E-06	9.12028E-07	1.61538E-12	3.87692E-14	8.06289E-13	6.45031E-15
58	571270.6	4177959	0.55, 41779	0.15909	0.18379	0.14205	158.42767	82.70179	205.30007	19.80346	11.54254	29.32858	5.26E-09	7.6E-06	1.09E-06	1.62E-12	4.9E-12	3.87E-12	9.85E-15	2.38E-13	1.31324E-14	2.60884E-13	5.257E-09	7.5959E-06	1.0852E-06	1.65916E-12	3.982E-14	8.28142E-13	6.62514E-15
59	571310.6	4177959	0.55, 41779	0.1655	0.18382	0.1484	150.26158	75.50789	204.0765	18.7827	10.48328	25.50956	5.49E-09	7.55E-06	9.44E-07	1.69E-12	5.12E-12	4.04E-12	1.03E-14	2.49E-13	1.37192E-14	2.72542E-13	5.492E-09	7.5505E-06	9.43903E-07	1.73331E-12	4.15994E-14	8.6515E-13	6.9212E-15
60	571350.6	4177959	0.55, 41779	0.17654	0.1881	0.15257	154.82597	60.83045	189.56737	19.35325	9.71095	23.69592	5.65E-09	7.01E-06	8.77E-07	1.74E-12	5.26E-12	4.16E-12	1.06E-14	2.56E-13	1.41047E-14	2.80201E-13	5.646E-09	7.0137E-06	8.76814E-07	1.78202E-12	4.27684E-14	8.89461E-13	7.11569E-15
61	571390.6	4177959	0.55, 41779	0.18842	0.1934	0.15428	152.92189	54.55359	214.59873	19.11524	9.16318	26.82484	5.71E-09	7.94E-06	9.93E-07	1.76E-12	5.32E-12	4.2E-12	1.07E-14	2.58E-13	1.42629E-14	2.83343E-13	5.709E-09	7.9396E-06	9.92564E-07	1.802E-12	4.3248E-14	8.99436E-13	7.19549E-15
62	571430.6	4177959	0.55, 41779	0.20645	0.20414	0.16292	148.33328	50.38722	217.66749	18.54166	8.09078	27.20844	6.03E-09	8.05E-06	1.01E-06	1.86E-12	5.62E-12	4.44E-12	1.13E-14	2.73E-13	1.50617E-14	2.99211E-13	6.029E-09	8.0531E-06	1.00675E-06	1.90292E-12	4.567E-14	9.49807E-13	7.59846E-15
63	571470.6	4177959	0.55, 41779	0.22554	0.21577	0.17809	134.13897	46.24246	185.84967	16.76737	6.92684	23.23121	6.59E-09	6.88E-06	8.6E-07	2.03E-12	6.14E-12	4.85E-12	1.23E-14	2.98E-13	1.6464E-14	3.27068E-13	6.591E-09	6.876E-06	8.59596E-07	2.08008E-12	4.9922E-14	1.03824E-12	8.30589E-15
64	571510.6	4177959	0.55, 41779	0.24332	0.22654	0.20114	122.33786	38.55117	174.21255	15.29223	6.75463	21.77657	7.44E-09	6.45E-06	8.06E-07	2.3E-12	6.94E-12	5.48E-12	1.39E-14	3.37E-13	1.85945E-14	3.69392E-13	7.443E-09	6.4454E-06	8.05768E-07	2.34925E-12	5.63821E-14	1.17259E-12	9.3807E-15
65	571550.6	4177959	0.55, 41779	0.25539	0.23344	0.22684	100.38932	31.1899	131.18831	12.54867	6.13877	16.39854	8.39E-09	4.85E-06	6.07E-07	2.59E-12	7.82E-12	6.18E-12	1.57E-14	3.8E-13	2.09698E-14	4.16579E-13	8.394E-09	4.8536E-06	6.06782E-07	2.64935E-12	6.35844E-14	1.32238E-12	1.0579E-14
66	571590.6	4177959	0.55, 41779	0.26174	0.2364	0.25018	103.20811	24.1035	113.64553	12.90101	5.55119	14.20569	9.26E-09	4.2E-06	5.26E-07	2.86E-12	8.63E-12	6.81E-12	1.73E-14	4.19E-13	2.31268E-14	4.59431E-13	9.258E-09	4.2046E-06	5.25663E-07	2.92188E-12	7.01252E-14	1.4584E-12	1.16672E-14
67	570310.6	4177999	0.55, 41779	0.08992	0.06909	0.08739	61.55411	26.71644	63.33313	7.69426	4.42886	7.91664	3.23E-09	2.34E-06	2.93E-07	9.98E-13	3.01E-12	2.38E-12	6.06E-15	1.46E-13	8.07809E-15	1.60477E-13	3.234E-09	2.3433E-06	2.9295E-07	1.0206E-12	2.44944E-14	5.09413E-13	4.07531E-15
68	570350.6	4177999	0.55, 41779	0.09687	0.07551	0.09431	63.16088	27.72336	68.96816	7.89511	4.52605	8.62102	3.49E-09	2.55E-06	3.19E-07	1.08E-12	3.25E-12	2.57E-12	6.54E-15	1.58E-13	8.71778E-15	1.73185E-13	3.49E-09	2.5518E-06	3.1901E-07	1.10142E-12	2.6434E-14	5.49753E-13	4.39802E-15
69	570390.6	4177999	0.55, 41779	0.10411	0.08268	0.10154	65.18315	28.66629	70.59128	8.14789	4.5901	8.82391	3.76E-09	2.61E-06	3.27E-07	1.16E-12	3.5E-12	2.77E-12	7.04E-15	1.7E-13	9.38613E-15	1.86462E-13	3.757E-09	2.6118E-06	3.26518E-07	1.18586E-12	2.84606E-14	5.919E-13	4.7352E-15
70	570430.6	4177999	0.55, 41779	0.11178	0.0909	0.10932	69.77828	29.77159	73.90272	8.72229	4.64595	9.23784	4.05E-09	2.73E-06	3.42E-07	1.25E-12	3.77E-12	2.98E-12	7.58E-15	1.83E-13	1.01053E-14	2.0075E-13	4.045E-09	2.7343E-06	3.41837E-07	1.27672E-12	3.06414E-14	6.37254E-13	5.09803E-15
71	570470.6	4177999	0.55, 41779	0.11947	0.09994	0.11702	73.23749	30.82615	79.61188	9.15469	4.70414	9.95148	4.33E-09	2.95E-06	3.68E-07	1.34E-12	4.03E-12	3.19E-12	8.11E-15	1.96E-13	1.08172E-14	2.14891E-13	4.33E-09	2.9456E-06	3.68243E-07	1.36666E-12	3.27998E-14	6.82143E-13	5.45714E-15
72	570510.6	4177999	0.55, 41779	0.12689	0.1096	0.1248	83.36058	31.87471	86.19643	10.42007	5.00665	10.77455	4.62E-09	3.19E-06	3.99E-07	1.43E-12	4.3E-12	3.4E-12	8.65E-15	2.09E-13	1.15364E-14	2.29179E-13	4.618E-09	3.1892E-06	3.98704E-07	1.45753E-12	3.49807E-14	7.27499E-13	5.81999E-15
73	570550.6	4177999	0.55, 41779	0.1338	0.11968	0.13227	93.92369	33.13511	96.59692	11.74046	5.30601	12.07462	4.89E-09	3.57E-06	4.47E-07	1.51E-12	4.56E-12	3.6E-12	9.17E-15	2.22E-13	1.2227E-14	2.42898E-13	4.894E-09	3.5739E-06	4.46813E-07	1.54478E-12	3.70747E-14	7.71049E-13	6.16839E-15
74	570590.6	4177999	0.55, 41779	0.14077	0.13095	0.13895	98.98148	34.43475	100.81152	12.37268	5.77536	12.60144	5.14E-09	3.73E-06	4.66E-07	1.59E-12	4.79E-12	3.78E-12	9.63E-15	2.33E-13	1.28446E-14	2.55168E-13	5.142E-09	3.7299E-06	4.66309E-07	1.62281E-12	3.89475E-14	8.09997E-13	6.47997E-15
75	570630.6	4177999	0.55, 41779	0.14863	0.14246	0.14416	96.29887	35.58815	97.29546	12.03736	6.62596	12.16193	5.33E-09	3.6E-06	4.5E-07	1.65E-12	4.97E-12	3.93E-12	9.99E-15	2.41E-13	1.33264E-14	2.64738E-13	5.335E-09	3.5998E-06	4.50046E-07	1.68368E-12	4.04083E-14	8.40378E-13	6.72302E-15
76	570670.6	4177999	0.55, 41779	0.15906	0.15417	0.15133	108.0953	37.02771	115.61321	13.51191	7.37805	14.45165	5.6E-09	4.28E-06	5.35E-07	1.73E-12	5.22E-12	4.12E-12	1.05E-14	2.53E-13	1.39893E-14	2.77908E-13	5.6E-09	4.2775E-06	5.34768E-07	1.76743E-12	4.24184E-14	8.82182E-13	7.05746E-15
77	570710.6	4177999	0.55, 41779	0.17207	0.16581	0.16328	109.21603	39.28347	116.55796	14.39109	8.06843	17.60456	6.04E-09	4.31E-06	6.51E-07	1.86E-12	5.63E-12	4.45E-12	1.13E-14	2.73E-13	1.5094E-14	2.99853E-13	6.042E-09	4.3125E-06	6.51417E-07	1.907E-12	4.5768E-14	9.51845E-13	7.61476E-15
78	570750.6	4177999	0.55, 41779	0.18601	0.17706	0.17647	119.66853	46.10023	126.10142	14.95857	8.7788	16.77146	6.53E-09	4.67E-06	6.21E-07	2.02E-12	6.08E-12	4.81E-12	1.22E-14	2.96E-13	1.63133E-14	3.24075E-13	6.53E-09	4.6656E-06	6.20603E-07	2.06104E-12	4.94651E-14	1.02873E-12	8.22986E-15
79	570790.6	4177999	0.55, 41779	0.19953	0.18772	0.18696	122.67556	49.8289	134.57394	15.33445	9.45426	16.82174	6.92E-09	4.98E-06	6.22E-07	2.13E-12	6.45E-12	5.09E-12	1.3E-14	3.13E-13	1.7283E-14	3.43339E-13	6.918E-09	4.9791E-06	6.22467E-07	2.18356E-12	5.24055E-14	1.08989E-12	8.71908E-15
80	570830.6	4177999	0.55, 41779	0.21109	0.19773	0.1968	133.54261	52.4094	148.58094	16.69283	9.90962	18.57262	7.28E-09	5.5E-06	6.87E-07	2.25E-12	6.79E-12	5.36E-12	1.36E-14	3.3E-13	1.81926E-14	3.61409E-13	7.283E-09	5.4973E-06	6.87253E-07	2.29849E-12	5.51637E-14	1.14725E-12	9.17798E-15
81	570870.6	4177999	0.55, 41779	0.21804	0.20674	0.20398	131.45449	55.15858	156.57352	16.43181	9.77159	19.57169	7.55E-09	5.79E-06	7.24E-07	2.33E-12	7.03E-12	5.56E-12	1.41E-14	3.42E-13	1.88564E-14	3.74596E-13	7.548E-09	5.793E-06	7.24211E-07	2.38235E-12	5.71764E-14	1.18911E-12	9.51285E-15
82	570910.6	4177999	0.55, 41779	0.21803	0.21414	0.20286	148.11273	59.13207	173.84644	18.51409	8.43226	21.73081	7.51E-09	6.43E-06	8.04E-07	2.32E-12	6.99E-12	5.52E-12	1.41E-14	3.4E-13	1.87531E-14	3.72543E-13	7.507E-09	6.432E-06	8.04107E-07	2.36929E-12	5.6863E-14	1.18259E-12	9.46072E-15
83	570950.6	4177999	0.55, 41779	0.2114	0.21889	0.19586	140.12444	63.58464	170.21851	21.83562	9.32684	21.27731	7.25E-09	6.3E-06	7.87E-07	2.24E-12	6.75E-12	5.33E-12	1.36E-14	3.28E-13	1.81062E-14	3.59693E-13	7.248E-09	6.2979E-06	7.87364E-07	2.28757E-12	5.49017E-14	1.1418E-12	9.1344E-15
84	570990.6	4177999	0.55, 41779	0.2013	0.22185	0.19061	171.25011	67.61488	221.4052	25.43318	11.18299	33.45295	7.05E-09	8.19E-06	1.24E-06	2.18E-12	6.57E-12	5.19E-12	1.32E-14	3.19E-13	1.76211E-14	3.50056E-13	7.054E-09	8.1916E-06	1.23783E-06	2.22628E-12	5.34307E-14	1.11121E-12	8.88965E-15
85	571030.6	4177999	0.55, 41779	0.19301	0.22456	0.1804	161.4506	75.02365	233.40135	21.94671	12.50394	33.34305	6.68E-09	8.64E-06	1.23E-06	2.06E-12	6.22E-12	4.91E-12	1.25E-14	3.02E-13	1.66776E-14	3.31312E-13	6.676E-09	8.6354E-06	1.23373E-06	2.10707E-12	5.05697E-14	1.05171E-12	8.41365E-15
86	571070.6	4177999	0.55, 41779	0.18927	0.22808	0.16676	165.36156	82.48884	231.46597	21.97245	12.95225	28.93325	6.17E-09	8.56E-06	1.07E-06	1.9E-12	5.75E-12	4.54E-12	1.16E-14	2.79E-13	1.54171E-14	3.06271E-13	6.171E-09	8.5639E-06	1.07059E-06	1.94782E-12	4.67476E-14	9.72218E-13	7.77774E-15
87	571110.6	4177999	0.55, 41779	0.18141	0.21619	0.16049	158.60632	80.72549	237.56536	25.62624	11.81551	29.69982	5.94E-09	8.79E-06	1.1E-06	1.83E-12	5.53E-12	4.37E-12	1.11E-14	2.69E-13	1.48373E-14	2.94754E-13	5.939E-09	8.7895E-06	1.09899E-06	1.87457E-12	4.49897E-14	9.35659E-13	7.48527E-15
88	571150.6	4177999	0.55, 41779	0.19202	0.23351	0.18032	164.05988	80.42402	231.86209	24.96785	14.13496	37.65816	6.67E-09	8.58E-06	1.39E-06	2.06E-12	6.22E-12	4.91E-12	1.25E-14	3.02E-13	1.66704E-14	3.31169E-13	6.673E-09	8.5785E-06	1.3934E-06	2.10616E-12	5.05479E-14	1.05125E-12	8.41002E-15
89	571190.6	4177999	0.55, 41779	0.1978	0.23414	0.17819	182.21875	91.74664	241.78028	26.03125	13.21695	31.92825	6.59E-09	8.95E-06	1.18E-06	2.03E-12	6.14E-12	4.85E-12	1.24E-14	2.98E-13	1.64736E-14	3.27259E-13	6.594E-09	8.9456E-06	1.18143E-06	2.0813E-12	4.99511E-14	1.03884E-12	8.31073E-15
90	571230.6	4177999	0.55, 41779	0.20367	0.23289	0.17473	172.67663	91.69738	231.55794	22.62496	13.85272	33.07971	6.47E-09	8.57E-06	1.22E-06	2E-12	6.02E-12	4.76E-12	1.21E-14	2.93E-13	1.61538E-14	3.20906E-13	6.466E-09	8.5674E-06	1.224E-06	2.04089E-12	4.89815E-14	1.01868E-12	8.1494E-15
91	571270.6	4177999	0.55, 41779	0.21358	0.23476	0.18394	171.66845	86.35935	210.57834	21.45856	13.01074	28.58393	6.81E-09	7.79E-06	1.06E-06	2.1E-12	6.34E-12	5.01E-12	1.28E-14	3.08E-13	1.7005E-14	3.37816E-13	6.807E-09	7.7912E-06	1.05766E-06	2.14844E-12	5.15625E-14	1.07235E-12	8.57884E-15
92	571310.6	4177999	0.55, 41779	0.23025	0.24083	0.19159	171.26207	72.34733	231.62674	21.40776	11.81711	28.95334	7.09E-09	8.57E-06	1.07E-06	2.19E-12	6.61E-12	5.22E-12	1.33E-14	3.21E-13	1.77122E-14	3.51865E-13	7.09E-09	8.5697E-06	1.07133E-06	2.23778E-12	5.37068E-14	1.11695E-12	8.9356E-15
93	571350.6	4177999	0.55, 41779	0.25373	0.25254	0.198	169.27826	60.68614	249.61103	21.15978	11.13084	31.20138	7.33E-09	9.23E-06	1.15E-06	2.26E-12	6.83E-12	5.39E-12	1.37E-14	3.32E-13	1.83049E-14	3.6364E-13	7.327E-09	9.235E-06	1.15449E-06	2.31267E-12	5.55041E-14	1.15433E-12	9.23462E-15
94	571390.6	4177999	0.55, 41779	0.27999	0.26698	0.21185	164.13881	55.69534	253.30621	20.51735	9.69774	31.66328	7.84E-09	9.37E-06	1.17E-06	2.42E-12	7.3E-12	5.77E-12	1.47E-14	3.55E-13	1.95853E-14	3.89075E-13	7.84E-09	9.3716E-06	1.17157E-06	2.47443E-12	5.93864E-14	1.23507E-12	9.88055E-15
95	571430.6	4177999	0.55, 41779	0.30187	0.27888	0.2328	148.06777	50.74185	217.39094	18.50847	8.30154	27.17387	8.62E-09	8.04E-06	1.01E-06	2.66E-12	8.03E-12	6.34E-12	1.61E-14	3.9E-13	2.15217E-14	4.27544E-13	8.615E-09	8.0429E-06	1.00547E-06	2.71909E-12	6.52581E-14	1.35718E-12	1.08575E-14
96	571470.6	4177999	0.55, 41779	0.32222	0.29016	0.268	133.22849	41.8567	195.88733	16.65356	8.00082	24.48592	9.92E-09	7.25E-06	9.06E-07	3.06E-12	9.24E-12	7.3E-12	1.86E-14	4.49E-13	2.47751E-14	4.92175E-13	9.917E-09	7.2473E-06	9.06012E-07	3.13012E-12	7.5123E-14	1.56234E-12	1.24988E-14
97	571510.6	4177999	0.55, 41779	0.33311	0.29527	0.30394	113.25391	33.39085	138.27651	14.15674	7.16119	17.28456	1.12E-08	5.12E-06	6.4E-07	3.47E-12	1.05E-11	8.28E-12	2.11E-14	5.09E-13	2.80967E-14	5.5816E-13	1.125E-08	5.1159E-06	6.39577E-07	3.54978E-12	8.51947E-14	1.77181E-12	1.41745E-14
98	571550.6	4177999	0.55, 41779	0.33431	0.29408	0.33024	118.79132	25.19774	142.42424	14.84891	6.75336	17.80303	1.22E-08	5.27E-06	6.59E-07	3.77E-12	1.14E-11	8.99E-12	2.29E-14	5.53E-13	3.05272E-14	6.06445E-13	1.222E-08	5.2693E-06	6.58764E-07	3.85686E-12	9.25646E-14	1.92508E-12	1.54006E-14
99	571590.6	4177999	0.55, 41779	0.32897	0.28857	0.34209	117.12124	19.87515	150.29933	14.64016	6.7762	18.78742	1.27E-08	5.56E-06	6.95E-07	3.91E-12	1.18E-11	9.32E-12	2.37E-14	5.73E-13	3.16222E-14	6.28197E-13	1.266E-08	5.5605E-06	6.95179E-07	3.9952E-12	9.58848E-14	1.99413E-12	1.59531E-14
100	570310.6	4178039	0.55, 41780	0.09395	0.07118	0.09114	60.38117	27.45867	68.75884	7.54765	4.57644	8.59485	3.37E-09	2.54E-06	3.18E-07	1.04E-12	3.14E-12	2.48E-12	6.32E-15	1.53E-13	8.42471E-15	1.67363E-13	3.372E-09	2.544E-06	3.18038E-07	1.06439E-12	2.55454E-14	5.31272E-13	4.25017E-15
101	570350.6	4178039	0.55, 41780	0.10181	0.07823	0.09867	67.40685	28.30867	69.9761	8.42586	4.71811	8.74701	3.65E-09	2.59E-06	3.24E-07	1.13E-12	3.4E-12	2.69E-12	6.84E-15	1.65E-13	9.12079E-15	1.81191E-13	3.651E-09	2.5891E-06	3.23676E-07	1.15233E-12	2.7656E-14	5.75167E-13	4.60134E-15
102	570390.6	4178039	0.55, 41780	0.11033	0.08626	0.10708	70.86935	29.39362	77.00767	8.85867	4.86131	9.62596	3.96E-09	2.85E-06	3.56E-07	1.22E-12	3.69E-12	2.92E-12	7.42E-15	1.79E-13	9.89822E-15	1.96635E-13	3.962E-09	2.8492E-06	3.56197E-07	1.25056E-12	3.00134E-14	6.24193E-13	4.99354E-15
103	570430.6	4178039	0.55, 41780	0.11935	0.09539	0.11615	72.77771	30.53752	78.92837	9.09721	4.99157	9.86605	4.3E-09	2.92E-06	3.65E-07	1.33E-12	4E-12	3.16E-12	8.05E-15	1.95E-13	1.07367E-14	2.13291E-13	4.298E-09	2.9203E-06	3.65081E-07	1.35649E-12	3.25557E-14	6.77066E-13	5.41653E-15
104	570470.6	4178039	0.55, 41780	0.12876	0.10583	0.1256	77.88414	31.78332	83.40463	9.73552	5.12346	10.42558	4.65E-09	3.09E-06	3.86E-07	1.43E-12	4.33E-12	3.42E-12	8.71E-15	2.1E-13	1.16103E-14	2.30646E-13	4.648E-09	3.0859E-06	3.85787E-07	1.46686E-12	3.52046E-14	7.32156E-13	5.85725E-15
105	570510.6	4178039	0.55, 41780	0.13797	0.11733	0.13491	81.61557	33.05226	90.60057	10.20195	5.27698	11.32507	4.99E-09	3.35E-06	4.19E-07	1.54E-12	4.65E-12	3.67E-12	9.35E-15	2.26E-13	1.24709E-14	2.47744E-13	4.992E-09	3.3521E-06	4.19068E-07	1.5756E-12	3.78144E-14	7.86432E-13	6.29146E-15
106	570550.6	4178039	0.55, 41780	0.14677	0.12979	0.14418	83.22783	34.40977	92.92473	10.40348	5.64664	11.61559	5.34E-09	3.44E-06	4.3E-07	1.65E-12	4.97E-12	3.93E-12	1E-14	2.41E-13	1.3328E-14	2.64769E-13	5.335E-09	3.4381E-06	4.29818E-07	1.68388E-12	4.0413E-14	8.40476E-13	6.72381E-15
107	570590.6	4178039	0.55, 41780	0.15543	0.14397	0.15331	100.7883	35.81672	104.85134	12.59854	6.05306	13.10642	5.67E-09	3.88E-06	4.85E-07	1.75E-12	5.29E-12	4.18E-12	1.06E-14	2.57E-13	1.41721E-14	2.81538E-13	5.673E-09	3.8793E-06	4.84993E-07	1.79052E-12	4.29725E-14	8.93706E-13	7.14965E-15
108	570630.6	4178039	0.55, 41780	0.16446	0.15887	0.16086	114.63184	37.47906	118.86748	14.32898	6.85921	14.85844	5.95E-09	4.4E-06	5.5E-07	1.84E-12	5.55E-12	4.38E-12	1.12E-14	2.69E-13	1.48702E-14	2.95406E-13	5.953E-09	4.3979E-06	5.49825E-07	1.87872E-12	4.50893E-14	9.3773E-13	7.50184E-15
109	570670.6	4178039	0.55, 41780	0.17604	0.17458	0.16859	120.19022	39.09251	122.97013	15.02378	7.81169	15.37127	6.24E-09	4.55E-06	5.69E-07	1.93E-12	5.81E-12	4.59E-12	1.17E-14	2.82E-13	1.55849E-14	3.09606E-13	6.239E-09	4.5497E-06	5.68804E-07	1.96903E-12	4.72566E-14	9.82804E-13	7.86243E-15
110	570710.6	4178039	0.55, 41780	0.19156	0.191	0.18153	122.05191	40.81454	130.55962	15.86896	8.63568	17.88475	6.72E-09	4.83E-06	6.62E-07	2.07E-12	6.26E-12	4.94E-12	1.26E-14	3.04E-13	1.67812E-14	3.33371E-13	6.718E-09	4.8305E-06	6.61798E-07	2.12017E-12	5.0884E-14	1.05824E-12	8.46594E-15
111	570750.6	4178039	0.55, 41780	0.2105	0.20761	0.19902	132.53323	47.68084	144.79481	16.56665	9.43658	19.64627	7.36E-09	5.36E-06	7.27E-07	2.27E-12	6.86E-12	5.42E-12	1.38E-14	3.33E-13	1.8398E-14	3.6549E-13	7.365E-09	5.3572E-06	7.26971E-07	2.32444E-12	5.57864E-14	1.1602E-12	9.2816E-15
112	570790.6	4178039	0.55, 41780	0.23169	0.22417	0.21523	139.552	52.7884	147.64201	17.444	10.33029	19.40572	7.96E-09	5.46E-06	7.18E-07	2.46E-12	7.42E-12	5.86E-12	1.49E-14	3.6E-13	1.98965E-14	3.95258E-13	7.965E-09	5.4626E-06	7.18081E-07	2.51376E-12	6.03302E-14	1.2547E-12	1.00376E-14
113	570830.6	4178039	0.55, 41780	0.25382	0.24067	0.23208	145.24751	55.81087	161.73262	18.15594	11.28689	20.21658	8.59E-09	5.98E-06	7.48E-07	2.65E-12	8E-12	6.32E-12	1.61E-14	3.89E-13	2.14542E-14	4.26202E-13	8.588E-09	5.9839E-06	7.48086E-07	2.71055E-12	6.50533E-14	1.35292E-12	1.08234E-14
114	570870.6	4178039	0.55, 41780	0.27385	0.25672	0.25028	159.27674	59.06353	181.66903	19.90959	12.04587	22.70863	9.26E-09	6.72E-06	8.4E-07	2.86E-12	8.63E-12	6.82E-12	1.74E-14	4.19E-13	2.31366E-14	4.59624E-13	9.262E-09	6.7214E-06	8.40295E-07	2.92311E-12	7.01547E-14	1.45902E-12	1.16721E-14
115	570910.6	4178039	0.55, 41780	0.28498	0.272	0.26185	154.31681	63.03506	190.144	19.2896	11.80173	23.768	9.69E-09	7.04E-06	8.79E-07	2.99E-12	9.03E-12	7.13E-12	1.82E-14	4.39E-13	2.42062E-14	4.80873E-13	9.69E-09	7.035E-06	8.7948E-07	3.05825E-12	7.3398E-14	1.52647E-12	1.22118E-14
116	570950.6	4178039	0.55, 41780	0.28313	0.28254	0.2606	178.15221	69.82475	214.80591	22.26903	10.41815	26.85074	9.64E-09	7.95E-06	9.94E-07	2.98E-12	8.99E-12	7.1E-12	1.81E-14	4.36E-13	2.40909E-14	4.78583E-13	9.644E-09	7.9474E-06	9.93555E-07	3.04369E-12	7.30485E-14	1.5192E-12	1.21536E-14
117	570990.6	4178039	0.55, 41780	0.27042	0.28832	0.24711	188.87787	74.10995	223.28286	29.14051	12.35166	34.29706	9.14E-09	8.26E-06	1.27E-06	2.82E-12	8.52E-12	6.73E-12	1.71E-14	4.14E-13	2.28443E-14	4.53819E-13	9.145E-09	8.2611E-06	1.2691E-06	2.88619E-12	6.92685E-14	1.44059E-12	1.15247E-14
118	571030.6	4178039	0.55, 41780	0.25749	0.29249	0.23391	188.96663	83.29257	277.8919	26.99523	13.88209	39.69884	8.66E-09	1.03E-05	1.47E-06	2.67E-12	8.07E-12	6.37E-12	1.62E-14	3.92E-13	2.16245E-14	4.29586E-13	8.656E-09	1.0281E-05	1.46891E-06	2.73207E-12	6.55697E-14	1.36366E-12	1.09093E-14
119	571070.6	4178039	0.55, 41780	0.25163	0.29646	0.21613	192.59035	92.57991	271.23553	26.01862	14.40126	34.27332	8E-09	1E-05	1.27E-06	2.47E-12	7.45E-12	5.89E-12	1.5E-14	3.62E-13	1.99814E-14	3.96945E-13	7.999E-09	1.0035E-05	1.26819E-06	2.52448E-12	6.05876E-14	1.26005E-12	1.00804E-14
120	571110.6	4178039	0.55, 41780	0.23996	0.28057	0.20816	179.79911	89.13384	295.00102	29.33997	15.522	36.88643	7.7E-09	1.09E-05	1.36E-06	2.38E-12	7.18E-12	5.67E-12	1.44E-14	3.49E-13	1.92444E-14	3.82304E-13	7.704E-09	1.0914E-05	1.36489E-06	2.43137E-12	5.8353E-14	1.21358E-12	9.70861E-15
121	571150.6	4178039	0.55, 41780	0.25767	0.30302	0.23363	202.30498	100.11261	284.90591	28.90071	16.95197	47.48432	8.65E-09	1.05E-05	1.76E-06	2.67E-12	8.06E-12	6.36E-12	1.62E-14	3.91E-13	2.15989E-14	4.29076E-13	8.646E-09	1.0541E-05	1.75695E-06	2.72883E-12	6.5492E-14	1.36205E-12	1.08964E-14
122	571190.6	4178039	0.55, 41780	0.27122	0.30641	0.22867	194.68377	101.89225	297.80862	27.81197	16.7188	37.22608	8.46E-09	1.1E-05	1.38E-06	2.61E-12	7.88E-12	6.23E-12	1.59E-14	3.83E-13	2.11406E-14	4.19973E-13	8.463E-09	1.1018E-05	1.37744E-06	2.67093E-12	6.41024E-14	1.33315E-12	1.06652E-14
123	571230.6	4178039	0.55, 41780	0.28804	0.31092	0.2326	196.84209	99.06119	294.63263	24.60526	16.26482	42.09038	8.61E-09	1.09E-05	1.56E-06	2.66E-12	8.02E-12	6.34E-12	1.61E-14	3.9E-13	2.15039E-14	4.27191E-13	8.608E-09	1.0901E-05	1.55736E-06	2.71684E-12	6.52042E-14	1.35606E-12	1.08485E-14
124	571270.6	4178039	0.55, 41780	0.31661	0.32283	0.24843	191.8709	85.51951	280.99547	23.98386	14.63938	35.12443	9.19E-09	1.04E-05	1.3E-06	2.84E-12	8.57E-12	6.77E-12	1.72E-14	4.16E-13	2.29672E-14	4.5626E-13	9.194E-09	1.0396E-05	1.29965E-06	2.90172E-12	6.96412E-14	1.44834E-12	1.15867E-14
125	571310.6	4178039	0.55, 41780	0.35598	0.34149	0.26147	189.38373	68.10225	290.04443	23.67297	13.72977	36.25555	9.68E-09	1.07E-05	1.34E-06	2.99E-12	9.02E-12	7.12E-12	1.81E-14	4.38E-13	2.41729E-14	4.80211E-13	9.676E-09	1.0731E-05	1.34149E-06	3.05404E-12	7.32969E-14	1.52437E-12	1.21949E-14
126	571350.6	4178039	0.55, 41780	0.39399	0.35989	0.2835	182.95784	62.01914	299.45287	22.86973	11.81322	37.43161	1.05E-08	1.11E-05	1.38E-06	3.24E-12	9.78E-12	7.72E-12	1.97E-14	4.75E-13	2.62093E-14	5.20667E-13	1.049E-08	1.1079E-05	1.38499E-06	3.31133E-12	7.94718E-14	1.65279E-12	1.32223E-14
127	571390.6	4178039	0.55, 41780	0.4222	0.3733	0.32107	164.47464	56.17724	258.72398	20.55933	10.13431	32.3405	1.19E-08	9.57E-06	1.2E-06	3.67E-12	1.11E-11	8.74E-12	2.23E-14	5.38E-13	2.96818E-14	5.8965E-13	1.188E-08	9.572E-06	1.19663E-06	3.75004E-12	9.00011E-14	1.87177E-12	1.49741E-14
128	571430.6	4178039	0.55, 41780	0.44026	0.38105	0.3744	146.31006	45.8458	221.86738	18.28876	9.60517	27.73342	1.39E-08	8.21E-06	1.03E-06	4.28E-12	1.29E-11	1.02E-11	2.6E-14	6.27E-13	3.46106E-14	6.87564E-13	1.385E-08	8.2084E-06	1.02617E-06	4.37276E-12	1.04946E-13	2.18258E-12	1.74607E-14
129	571470.6	4178039	0.55, 41780	0.44344	0.3799	0.42037	134.05635	35.96521	154.66668	16.75704	8.42199	19.33334	1.56E-08	5.72E-06	7.15E-07	4.8E-12	1.45E-11	1.14E-11	2.91E-14	7.04E-13	3.8859E-14	7.71961E-13	1.556E-08	5.7223E-06	7.15396E-07	4.9095E-12	1.17828E-13	2.45049E-12	1.96039E-14
130	571510.6	4178039	0.55, 41780	0.43369	0.37075	0.44522	135.2804	26.4112	176.84451	16.91005	8.14543	22.10556	1.65E-08	6.54E-06	8.18E-07	5.08E-12	1.53E-11	1.21E-11	3.09E-14	7.46E-13	4.11553E-14	8.17579E-13	1.647E-08	6.5426E-06	8.17955E-07	5.19962E-12	1.24791E-13	2.5953E-12	2.07624E-14
131	571550.6	4178039	0.55, 41780	0.4157	0.35641	0.44493	128.00174	25.24959	172.96462	16.00022	7.84928	21.62058	1.65E-08	6.4E-06	8E-07	5.08E-12	1.53E-11	1.21E-11	3.08E-14	7.45E-13	4.11281E-14	8.17039E-13	1.646E-08	6.3991E-06	8.00004E-07	5.19619E-12	1.24709E-13	2.59358E-12	2.07487E-14
132	571590.6	4178039	0.55, 41780	0.38889	0.33646	0.4222	114.21376	28.264	151.26331	14.27672	7.21894	18.90791	1.56E-08	5.6E-06	7E-07	4.82E-12	1.46E-11	1.15E-11	2.93E-14	7.07E-13	3.90269E-14	7.75298E-13	1.562E-08	5.5963E-06	6.99633E-07	4.93073E-12	1.18337E-13	2.46108E-12	1.96887E-14
133	570310.6	4178079	0.55, 41780	0.09792	0.07296	0.09477	71.40728	28.01469	77.09789	8.92591	4.66912	9.63724	3.51E-09	2.85E-06	3.57E-07	1.08E-12	3.27E-12	2.58E-12	6.57E-15	1.59E-13	8.76023E-15	1.74028E-13	3.507E-09	2.8525E-06	3.56615E-07	1.10678E-12	2.65628E-14	5.5243E-13	4.41944E-15
134	570350.6	4178079	0.55, 41780	0.1067	0.08065	0.10312	70.03301	29.10671	80.22931	8.75413	4.85112	10.02866	3.82E-09	2.97E-06	3.71E-07	1.18E-12	3.56E-12	2.81E-12	7.15E-15	1.73E-13	9.53211E-15	1.89362E-13	3.816E-09	2.9684E-06	3.71094E-07	1.2043E-12	2.89032E-14	6.01106E-13	4.80884E-15
135	570390.6	4178079	0.55, 41780	0.11641	0.08948	0.11242	73.93226	30.15719	77.81828	9.24153	5.0262	9.72728	4.16E-09	2.88E-06	3.6E-07	1.28E-12	3.88E-12	3.06E-12	7.79E-15	1.88E-13	1.03918E-14	2.06441E-13	4.16E-09	2.8792E-06	3.59949E-07	1.31292E-12	3.151E-14	6.55319E-13	5.24255E-15
136	570430.6	4178079	0.55, 41780	0.12715	0.09969	0.12302	79.99098	31.34254	86.52141	9.99887	5.20891	10.81518	4.55E-09	3.2E-06	4E-07	1.4E-12	4.24E-12	3.35E-12	8.53E-15	2.06E-13	1.13717E-14	2.25907E-13	4.552E-09	3.2012E-06	4.00203E-07	1.43672E-12	3.44812E-14	7.17111E-13	5.73689E-15
137	570470.6	4178079	0.55, 41780	0.13857	0.11144	0.13449	81.53824	32.65768	88.86509	10.19228	5.39019	11.10814	4.98E-09	3.29E-06	4.11E-07	1.54E-12	4.64E-12	3.66E-12	9.32E-15	2.25E-13	1.2432E-14	2.4697E-13	4.977E-09	3.2879E-06	4.11043E-07	1.57068E-12	3.76963E-14	7.83976E-13	6.27181E-15
138	570510.6	4178079	0.55, 41780	0.15049	0.12507	0.14657	87.75299	34.11951	95.20757	10.96912	5.60116	11.90095	5.42E-09	3.52E-06	4.4E-07	1.67E-12	5.05E-12	3.99E-12	1.02E-14	2.45E-13	1.35487E-14	2.69155E-13	5.424E-09	3.5226E-06	4.40381E-07	1.71177E-12	4.10825E-14	8.54398E-13	6.83519E-15
139	570550.6	4178079	0.55, 41780	0.16198	0.14034	0.1583	91.64015	35.64897	104.22382	11.45502	5.99366	13.02798	5.86E-09	3.86E-06	4.82E-07	1.81E-12	5.46E-12	4.31E-12	1.1E-14	2.65E-13	1.46332E-14	2.90698E-13	5.858E-09	3.8561E-06	4.82079E-07	1.84878E-12	4.43706E-14	9.22783E-13	7.38227E-15
140	570590.6	4178079	0.55, 41780	0.17272	0.15744	0.16968	88.35639	37.38874	105.88084	11.57204	6.46071	13.23511	6.28E-09	3.92E-06	4.9E-07	1.94E-12	5.85E-12	4.62E-12	1.18E-14	2.84E-13	1.56853E-14	3.11599E-13	6.279E-09	3.9174E-06	4.89743E-07	1.9817E-12	4.75609E-14	9.89131E-13	7.91305E-15
141	570630.6	4178079	0.55, 41780	0.1831	0.1763	0.17984	101.08083	39.23196	114.54818	12.6351	7.02353	14.31852	6.65E-09	4.24E-06	5.3E-07	2.05E-12	6.2E-12	4.9E-12	1.25E-14	3.01E-13	1.66247E-14	3.30261E-13	6.655E-09	4.2381E-06	5.29834E-07	2.10039E-12	5.04093E-14	1.04837E-12	8.38697E-15
142	570670.6	4178079	0.55, 41780	0.19537	0.19687	0.18849	125.63761	41.20021	131.91916	15.7047	8.22231	16.4899	6.98E-09	4.88E-06	6.1E-07	2.15E-12	6.5E-12	5.13E-12	1.31E-14	3.16E-13	1.74246E-14	3.46152E-13	6.975E-09	4.8808E-06	6.10194E-07	2.20145E-12	5.28348E-14	1.09881E-12	8.79051E-15
143	570710.6	4178079	0.55, 41780	0.21241	0.21933	0.20096	144.38379	43.29239	151.59141	18.04797	9.29195	18.94893	7.44E-09	5.61E-06	7.01E-07	2.29E-12	6.93E-12	5.47E-12	1.39E-14	3.37E-13	1.85776E-14	3.69057E-13	7.437E-09	5.6086E-06	7.01189E-07	2.34712E-12	5.63309E-14	1.17152E-12	9.37218E-15
144	570750.6	4178079	0.55, 41780	0.23537	0.24332	0.2221	149.96792	48.92505	154.1756	18.74599	10.23	23.04389	8.22E-09	5.7E-06	8.53E-07	2.54E-12	7.66E-12	6.05E-12	1.54E-14	3.72E-13	2.05319E-14	4.0788E-13	8.219E-09	5.7042E-06	8.52686E-07	2.59403E-12	6.22567E-14	1.29476E-12	1.03581E-14
145	570790.6	4178079	0.55, 41780	0.26445	0.26867	0.24585	159.48841	56.15329	178.05216	19.93605	11.24377	22.79466	9.1E-09	6.59E-06	8.43E-07	2.81E-12	8.48E-12	6.7E-12	1.7E-14	4.12E-13	2.27274E-14	4.51496E-13	9.098E-09	6.5876E-06	8.43478E-07	2.87142E-12	6.8914E-14	1.43322E-12	1.14657E-14
146	570830.6	4178079	0.55, 41780	0.30001	0.29551	0.27029	164.85959	59.75168	177.78875	20.60745	12.43332	22.22359	1E-08	6.58E-06	8.22E-07	3.09E-12	9.32E-12	7.36E-12	1.87E-14	4.53E-13	2.49868E-14	4.9638E-13	1E-08	6.5779E-06	8.22359E-07	3.15687E-12	7.57649E-14	1.57569E-12	1.26056E-14
147	570870.6	4178079	0.55, 41780	0.34051	0.32416	0.30185	178.96906	63.85658	203.22306	22.37113	13.91568	25.40288	1.12E-08	7.52E-06	9.4E-07	3.45E-12	1.04E-11	8.22E-12	2.09E-14	5.06E-13	2.79042E-14	5.54337E-13	1.117E-08	7.5189E-06	9.39993E-07	3.52546E-12	8.46111E-14	1.75967E-12	1.40774E-14
148	570910.6	4178079	0.55, 41780	0.37529	0.35313	0.33459	192.82824	68.49057	229.7632	24.10353	15.26079	28.7204	1.24E-08	8.5E-06	1.06E-06	3.82E-12	1.15E-11	9.11E-12	2.32E-14	5.6E-13	3.09307E-14	6.1446E-13	1.238E-08	8.5008E-06	1.06274E-06	3.90783E-12	9.37879E-14	1.95052E-12	1.56042E-14
149	570950.6	4178079	0.55, 41780	0.39192	0.37725	0.35493	199.56835	75.56845	241.42387	26.9715	14.65967	30.17798	1.31E-08	8.93E-06	1.12E-06	4.05E-12	1.22E-11	9.67E-12	2.46E-14	5.94E-13	3.2811E-14	6.51814E-13	1.313E-08	8.9322E-06	1.11669E-06	4.1454E-12	9.94895E-14	2.0691E-12	1.65528E-14
150	570990.6	4178079	0.55, 41780	0.38624	0.39167	0.34038	209.52387	83.72546	270.89556	31.32288	13.79848	33.86195	1.26E-08	1E-05	1.25E-06	3.89E-12	1.17E-11	9.27E-12	2.36E-14	5.7E-13	3.14667E-14	6.25108E-13	1.26E-08	1.0023E-05	1.25302E-06	3.97555E-12	9.54132E-14	1.98432E-12	1.58746E-14
151	571030.6	4178079	0.55, 41780	0.36706	0.40059	0.31708	238.62537	94.19927	346.28961	34.73297	15.69988	52.33117	1.17E-08	1.28E-05	1.94E-06	3.62E-12	1.09E-11	8.64E-12	2.2E-14	5.31E-13	2.93135E-14	5.82334E-13	1.173E-08	1.2812E-05	1.93632E-06	3.70352E-12	8.88844E-14	1.84854E-12	1.47883E-14
152	571070.6	4178079	0.55, 41780	0.35702	0.41066	0.29659	228.92087	105.90077	368.47625	31.45005	16.61116	46.05953	1.1E-08	1.36E-05	1.7E-06	3.39E-12	1.02E-11	8.08E-12	2.06E-14	4.97E-13	2.74201E-14	5.4472E-13	1.098E-08	1.3633E-05	1.70427E-06	3.4643E-12	8.31432E-14	1.72914E-12	1.38331E-14
153	571110.6	4178079	0.55, 41780	0.35812	0.41418	0.29542	212.64364	104.08221	374.64105	34.6648	20.98986	46.90606	1.09E-08	1.39E-05	1.74E-06	3.37E-12	1.02E-11	8.05E-12	2.05E-14	4.95E-13	2.73121E-14	5.42573E-13	1.093E-08	1.3861E-05	1.73562E-06	3.45065E-12	8.28156E-14	1.72233E-12	1.37786E-14
154	571150.6	4178079	0.55, 41780	0.37758	0.42317	0.31748	239.48451	117.47672	371.65504	34.21207	20.38272	60.67868	1.17E-08	1.38E-05	2.25E-06	3.63E-12	1.09E-11	8.65E-12	2.2E-14	5.32E-13	2.9351E-14	5.83079E-13	1.175E-08	1.375E-05	2.24512E-06	3.70826E-12	8.89981E-14	1.85091E-12	1.48073E-14
155	571190.6	4178079	0.55, 41780	0.41277	0.43447	0.31013	228.77572	115.09155	359.73847	28.66724	20.67403	44.96731	1.15E-08	1.33E-05	1.66E-06	3.54E-12	1.07E-11	8.45E-12	2.15E-14	5.19E-13	2.86721E-14	5.69592E-13	1.148E-08	1.331E-05	1.66383E-06	3.62248E-12	8.69395E-14	1.8081E-12	1.44648E-14
156	571230.6	4178079	0.55, 41780	0.46673	0.45732	0.33128	219.54291	100.98995	305.404	27.44286	18.56894	43.62914	1.23E-08	1.13E-05	1.61E-06	3.78E-12	1.14E-11	9.02E-12	2.3E-14	5.55E-13	3.06274E-14	6.08435E-13	1.226E-08	1.1299E-05	1.61431E-06	3.86951E-12	9.28683E-14	1.9314E-12	1.54512E-14
157	571270.6	4178079	0.55, 41780	0.53318	0.48578	0.3586	215.1929	81.06645	332.5769	26.89911	17.27973	41.57211	1.33E-08	1.23E-05	1.54E-06	4.1E-12	1.24E-11	9.77E-12	2.49E-14	6.01E-13	3.3153E-14	6.58608E-13	1.327E-08	1.2304E-05	1.53821E-06	4.18861E-12	1.00527E-13	2.09067E-12	1.67253E-14
158	571310.6	4178079	0.55, 41780	0.58671	0.50689	0.39805	205.97464	69.75551	363.05687	25.74683	14.70822	45.38211	1.47E-08	1.34E-05	1.68E-06	4.55E-12	1.37E-11	1.08E-11	2.76E-14	6.67E-13	3.67995E-14	7.31048E-13	1.473E-08	1.3432E-05	1.67915E-06	4.6493E-12	1.11583E-13	2.32062E-12	1.85649E-14
159	571350.6	4178079	0.55, 41780	0.61439	0.51569	0.46686	184.46358	62.8789	316.33591	23.05795	12.5762	39.54199	1.73E-08	1.17E-05	1.46E-06	5.33E-12	1.61E-11	1.27E-11	3.24E-14	7.82E-13	4.31589E-14	8.57383E-13	1.728E-08	1.1703E-05	1.46307E-06	5.45277E-12	1.30866E-13	2.72165E-12	2.17732E-14
160	571390.6	4178079	0.55, 41780	0.61879	0.51229	0.54521	162.6235	50.78632	251.98298	20.32794	11.67282	31.49787	2.02E-08	9.32E-06	1.17E-06	6.23E-12	1.88E-11	1.48E-11	3.78E-14	9.13E-13	5.03997E-14	1.00123E-12	2.018E-08	9.3226E-06	1.16545E-06	6.36758E-12	1.52822E-13	3.17826E-12	2.54261E-14
161	571430.6	4178079	0.55, 41780	0.60477	0.49855	0.60294	157.24404	39.05995	207.2573	19.65551	9.99401	25.90716	2.23E-08	7.67E-06	9.59E-07	6.88E-12	2.08E-11	1.64E-11	4.18E-14	1.01E-12	5.57346E-14	1.10721E-12	2.231E-08	7.6679E-06	9.58621E-07	7.04159E-12	1.68998E-13	3.51468E-12	2.81175E-14
162	571470.6	4178079	0.55, 41780	0.57311	0.47467	0.61341	152.07991	30.59352	215.52596	19.00999	9.68796	26.94074	2.27E-08	7.97E-06	9.97E-07	7E-12	2.11E-11	1.67E-11	4.25E-14	1.03E-12	5.67015E-14	1.12642E-12	2.27E-08	7.9737E-06	9.96851E-07	7.16376E-12	1.7193E-13	3.57566E-12	2.86053E-14
163	571510.6	4178079	0.55, 41780	0.53465	0.44658	0.58613	137.55383	33.88214	191.36045	17.19423	8.95455	23.92006	2.17E-08	7.08E-06	8.85E-07	6.69E-12	2.02E-11	1.6E-11	4.06E-14	9.82E-13	5.41797E-14	1.07632E-12	2.169E-08	7.0797E-06	8.85084E-07	6.84515E-12	1.64284E-13	3.41663E-12	2.73331E-14
164	571550.6	4178079	0.55, 41780	0.48548	0.41212	0.53241	120.13532	36.07438	157.49519	15.01691	7.90342	19.6869	1.97E-08	5.83E-06	7.28E-07	6.08E-12	1.84E-11	1.45E-11	3.69E-14	8.92E-13	4.92142E-14	9.77674E-13	1.97E-08	5.8269E-06	7.28459E-07	6.21779E-12	1.49227E-13	3.1035E-12	2.4828E-14
165	571590.6	4178079	0.55, 41780	0.43445	0.37558	0.47142	108.95419	37.19094	141.55637	13.61927	6.74143	17.69455	1.74E-08	5.24E-06	6.55E-07	5.38E-12	1.63E-11	1.28E-11	3.27E-14	7.89E-13	4.35767E-14	8.65682E-13	1.744E-08	5.2373E-06	6.54738E-07	5.50555E-12	1.32133E-13	2.748E-12	2.1984E-14
166	570310.6	4178119	0.55, 41781	0.10149	0.07442	0.09774	69.0748	28.05035	78.28908	8.63435	4.67506	9.78613	3.62E-09	2.9E-06	3.62E-07	1.12E-12	3.37E-12	2.66E-12	6.78E-15	1.64E-13	9.03475E-15	1.79482E-13	3.617E-09	2.8966E-06	3.6212E-07	1.14147E-12	2.73952E-14	5.69742E-13	4.55793E-15
167	570350.6	4178119	0.55, 41781	0.11138	0.08273	0.10725	79.07973	29.62524	82.98136	9.88497	4.93754	10.37267	3.97E-09	3.07E-06	3.84E-07	1.22E-12	3.7E-12	2.92E-12	7.44E-15	1.8E-13	9.91385E-15	1.96946E-13	3.969E-09	3.0702E-06	3.83832E-07	1.25253E-12	3.00608E-14	6.25179E-13	5.00143E-15
168	570390.6	4178119	0.55, 41781	0.12249	0.09237	0.11775	81.81771	30.97041	92.38822	10.22721	5.16174	11.54853	4.36E-09	3.42E-06	4.27E-07	1.34E-12	4.06E-12	3.21E-12	8.16E-15	1.97E-13	1.08845E-14	2.16228E-13	4.357E-09	3.4182E-06	4.27335E-07	1.37516E-12	3.30039E-14	6.86387E-13	5.4911E-15
169	570430.6	4178119	0.55, 41781	0.13492	0.10362	0.12964	81.48606	32.23138	89.13007	10.18576	5.3719	11.14126	4.8E-09	3.3E-06	4.12E-07	1.48E-12	4.47E-12	3.53E-12	8.99E-15	2.17E-13	1.19836E-14	2.38063E-13	4.797E-09	3.2977E-06	4.12268E-07	1.51403E-12	3.63366E-14	7.55699E-13	6.04559E-15
170	570470.6	4178119	0.55, 41781	0.14882	0.11683	0.14311	90.82614	33.6686	97.62505	11.35327	5.5932	12.20313	5.3E-09	3.61E-06	4.52E-07	1.63E-12	4.93E-12	3.9E-12	9.92E-15	2.4E-13	1.32288E-14	2.62799E-13	5.295E-09	3.612E-06	4.51563E-07	1.67135E-12	4.01123E-14	8.34222E-13	6.67377E-15
171	570510.6	4178119	0.55, 41781	0.16361	0.13228	0.15796	92.34034	35.20886	102.68913	11.54254	5.82093	12.83614	5.85E-09	3.8E-06	4.75E-07	1.8E-12	5.45E-12	4.3E-12	1.1E-14	2.65E-13	1.46016E-14	2.9007E-13	5.845E-09	3.7993E-06	4.74983E-07	1.84478E-12	4.42748E-14	9.20791E-13	7.36633E-15
172	570550.6	4178119	0.55, 41781	0.17911	0.1505	0.17388	100.11195	36.92243	110.21215	12.51399	6.33987	13.77652	6.43E-09	4.08E-06	5.1E-07	1.99E-12	5.99E-12	4.74E-12	1.21E-14	2.91E-13	1.60733E-14	3.19307E-13	6.434E-09	4.0777E-06	5.09782E-07	2.03072E-12	4.87374E-14	1.0136E-12	8.1088E-15
173	570590.6	4178119	0.55, 41781	0.19374	0.17125	0.18923	103.74737	38.76233	121.67682	12.96842	6.89651	15.2096	7E-09	4.5E-06	5.63E-07	2.16E-12	6.52E-12	5.15E-12	1.31E-14	3.17E-13	1.74924E-14	3.47499E-13	7.002E-09	4.5018E-06	5.62803E-07	2.21002E-12	5.30404E-14	1.10309E-12	8.82472E-15
174	570630.6	4178119	0.55, 41781	0.2069	0.19483	0.20326	104.63966	41.01094	121.05227	13.84797	7.49161	15.13153	7.52E-09	4.48E-06	5.6E-07	2.32E-12	7.01E-12	5.54E-12	1.41E-14	3.4E-13	1.87896E-14	3.73268E-13	7.521E-09	4.4787E-06	5.59923E-07	2.3739E-12	5.69737E-14	1.18489E-12	9.47913E-15
175	570670.6	4178119	0.55, 41781	0.21998	0.22122	0.21442	115.58367	43.51142	138.36153	15.0671	8.60459	17.29519	7.93E-09	5.12E-06	6.4E-07	2.45E-12	7.39E-12	5.84E-12	1.49E-14	3.59E-13	1.98216E-14	3.93769E-13	7.935E-09	5.1191E-06	6.39979E-07	2.50429E-12	6.01029E-14	1.24997E-12	9.99976E-15
176	570710.6	4178119	0.55, 41781	0.23703	0.25104	0.22497	127.12041	45.98226	134.54184	16.41254	9.96819	16.81773	8.33E-09	4.98E-06	6.22E-07	2.57E-12	7.76E-12	6.13E-12	1.56E-14	3.77E-13	2.07973E-14	4.13153E-13	8.325E-09	4.9779E-06	6.22329E-07	2.62756E-12	6.30615E-14	1.3115E-12	1.0492E-14
177	570750.6	4178119	0.55, 41781	0.26187	0.28441	0.24496	163.41699	49.64069	173.69321	20.42712	11.18287	24.67477	9.07E-09	6.43E-06	9.13E-07	2.8E-12	8.45E-12	6.67E-12	1.7E-14	4.1E-13	2.26455E-14	4.49869E-13	9.065E-09	6.4263E-06	9.13037E-07	2.86107E-12	6.86657E-14	1.42805E-12	1.14244E-14
178	570790.6	4178119	0.55, 41781	0.29707	0.32177	0.27572	189.30326	59.79186	203.13563	23.66291	12.3939	25.39195	1.02E-08	7.52E-06	9.4E-07	3.15E-12	9.51E-12	7.51E-12	1.91E-14	4.62E-13	2.54892E-14	5.06361E-13	1.02E-08	7.5156E-06	9.39602E-07	3.22035E-12	7.72883E-14	1.60738E-12	1.2859E-14
179	570830.6	4178119	0.55, 41781	0.34574	0.3643	0.31009	193.11502	64.55328	210.79637	24.13938	13.76558	26.34955	1.15E-08	7.8E-06	9.75E-07	3.54E-12	1.07E-11	8.45E-12	2.15E-14	5.19E-13	2.86666E-14	5.69483E-13	1.148E-08	7.7991E-06	9.75032E-07	3.62179E-12	8.6923E-14	1.80775E-12	1.4462E-14
180	570870.6	4178119	0.55, 41781	0.41228	0.41342	0.35667	202.8381	69.60981	241.64288	25.35476	15.49628	31.6123	1.32E-08	8.94E-06	1.17E-06	4.07E-12	1.23E-11	9.71E-12	2.47E-14	5.97E-13	3.29727E-14	6.55026E-13	1.32E-08	8.9403E-06	1.16974E-06	4.16582E-12	9.99798E-14	2.0793E-12	1.66344E-14
181	570910.6	4178119	0.55, 41781	0.49003	0.46844	0.41739	224.50761	75.3478	268.49725	28.06345	17.99511	33.56216	1.54E-08	9.93E-06	1.24E-06	4.77E-12	1.44E-11	1.14E-11	2.89E-14	6.99E-13	3.85857E-14	7.66532E-13	1.545E-08	9.9338E-06	1.2419E-06	4.87498E-12	1.16999E-13	2.43326E-12	1.94661E-14
182	570950.6	4178119	0.55, 41781	0.55455	0.52056	0.48015	237.44511	82.6149	307.44591	31.19836	20.61697	38.43074	1.78E-08	1.14E-05	1.42E-06	5.48E-12	1.66E-11	1.31E-11	3.33E-14	8.04E-13	4.43871E-14	8.81781E-13	1.777E-08	1.1375E-05	1.42204E-06	5.60794E-12	1.34591E-13	2.7991E-12	2.23928E-14
183	570990.6	4178119	0.55, 41781	0.59019	0.56679	0.49805	260.70129	98.30209	347.94815	39.14578	18.7176	43.49352	1.84E-08	1.29E-05	1.61E-06	5.69E-12	1.72E-11	1.36E-11	3.45E-14	8.34E-13	4.60425E-14	9.14667E-13	1.843E-08	1.2873E-05	1.60942E-06	5.81708E-12	1.3961E-13	2.90349E-12	2.32279E-14
184	571030.6	4178119	0.55, 41781	0.58003	0.59593	0.46436	288.08817	110.38847	394.82286	43.41155	19.84321	60.28631	1.72E-08	1.46E-05	2.23E-06	5.3E-12	1.6E-11	1.26E-11	3.22E-14	7.78E-13	4.29296E-14	8.52827E-13	1.718E-08	1.4608E-05	2.2307E-06	5.4238E-12	1.30171E-13	2.70719E-12	2.16575E-14
185	571070.6	4178119	0.55, 41781	0.56003	0.61401	0.43624	281.59163	124.26135	479.69295	39.26934	23.95732	65.06151	1.61E-08	1.77E-05	2.41E-06	4.98E-12	1.5E-11	1.19E-11	3.02E-14	7.31E-13	4.03312E-14	8.01209E-13	1.614E-08	1.7747E-05	2.40731E-06	5.09551E-12	1.22292E-13	2.54333E-12	2.03467E-14
186	571110.6	4178119	0.55, 41781	0.57497	0.62965	0.42923	279.23237	138.16088	507.21032	41.39356	27.39628	63.69191	1.59E-08	1.88E-05	2.36E-06	4.9E-12	1.48E-11	1.17E-11	2.98E-14	7.19E-13	3.96838E-14	7.88347E-13	1.589E-08	1.8766E-05	2.35667E-06	5.01371E-12	1.20329E-13	2.5025E-12	2.002E-14
187	571150.6	4178119	0.55, 41781	0.64473	0.65929	0.45591	273.06399	137.55558	506.75735	37.77228	27.34359	77.75635	1.69E-08	1.87E-05	2.88E-06	5.21E-12	1.57E-11	1.24E-11	3.16E-14	7.64E-13	4.21503E-14	8.37346E-13	1.687E-08	1.8749E-05	2.87694E-06	5.32534E-12	1.27808E-13	2.65805E-12	2.12644E-14
188	571190.6	4178119	0.55, 41781	0.76806	0.70549	0.46182	260.36357	120.74038	479.78233	32.90288	24.49294	68.54033	1.71E-08	1.78E-05	2.54E-06	5.27E-12	1.59E-11	1.26E-11	3.2E-14	7.74E-13	4.26979E-14	8.48223E-13	1.709E-08	1.7751E-05	2.53595E-06	5.39452E-12	1.29468E-13	2.69258E-12	2.15406E-14
189	571230.6	4178119	0.55, 41781	0.88147	0.74364	0.51839	250.38438	100.21062	435.42985	31.29805	22.32262	54.42873	1.92E-08	1.61E-05	2.01E-06	5.92E-12	1.79E-11	1.41E-11	3.59E-14	8.68E-13	4.7927E-14	9.52105E-13	1.919E-08	1.611E-05	2.01388E-06	6.05518E-12	1.45324E-13	3.02233E-12	2.41787E-14
190	571270.6	4178119	0.55, 41781	0.94057	0.75526	0.59724	235.31349	80.57107	462.41399	29.41419	18.81416	57.80175	2.21E-08	1.71E-05	2.14E-06	6.82E-12	2.06E-11	1.63E-11	4.14E-14	1E-12	5.52145E-14	1.09688E-12	2.21E-08	1.7108E-05	2.13864E-06	6.97589E-12	1.67421E-13	3.48189E-12	2.78551E-14
191	571310.6	4178119	0.55, 41781	0.94266	0.74202	0.72716	211.76846	71.48368	401.12341	26.47106	15.9259	50.14043	2.69E-08	1.48E-05	1.86E-06	8.3E-12	2.51E-11	1.98E-11	5.04E-14	1.22E-12	6.7221E-14	1.33539E-12	2.691E-08	1.484E-05	1.85519E-06	8.4928E-12	2.03827E-13	4.23903E-12	3.39122E-14
192	571350.6	4178119	0.55, 41781	0.90909	0.71255	0.85266	184.59351	57.17412	286.57244	23.07419	14.42847	35.82155	3.16E-08	1.06E-05	1.33E-06	9.74E-12	2.94E-11	2.32E-11	5.91E-14	1.43E-12	7.88185E-14	1.56578E-12	3.155E-08	1.0602E-05	1.32543E-06	9.95805E-12	2.38993E-13	4.97038E-12	3.97631E-14
193	571390.6	4178119	0.55, 41781	0.85308	0.67145	0.90336	182.88204	42.90716	275.98695	22.86025	12.27464	34.49837	3.34E-08	1.02E-05	1.28E-06	1.03E-11	3.11E-11	2.46E-11	6.26E-14	1.51E-12	8.35029E-14	1.65884E-12	3.343E-08	1.0211E-05	1.27648E-06	1.05499E-11	2.53197E-13	5.26579E-12	4.21263E-14
194	571430.6	4178119	0.55, 41781	0.78	0.62166	0.86624	169.0522	41.64549	252.50347	21.13153	11.39175	31.56293	3.21E-08	9.34E-06	1.17E-06	9.89E-12	2.99E-11	2.36E-11	6.01E-14	1.45E-12	8.00711E-14	1.59067E-12	3.205E-08	9.3418E-06	1.16787E-06	1.01163E-11	2.42791E-13	5.04937E-12	4.0395E-14
195	571470.6	4178119	0.55, 41781	0.69763	0.567	0.77646	144.82238	43.55007	199.26025	18.1028	10.0864	24.90753	2.87E-08	7.37E-06	9.22E-07	8.87E-12	2.68E-11	2.11E-11	5.38E-14	1.3E-12	7.17725E-14	1.42581E-12	2.873E-08	7.3721E-06	9.21624E-07	9.06785E-12	2.17628E-13	4.52605E-12	3.62084E-14
196	571510.6	4178119	0.55, 41781	0.61632	0.51188	0.67545	129.07456	44.20691	173.84445	16.93315	8.5721	21.73056	2.5E-08	6.43E-06	8.04E-07	7.71E-12	2.33E-11	1.84E-11	4.68E-14	1.13E-12	6.2436E-14	1.24034E-12	2.499E-08	6.4318E-06	8.04082E-07	7.88827E-12	1.89318E-13	3.93729E-12	3.14983E-14
197	571550.6	4178119	0.55, 41781	0.53701	0.45659	0.57828	116.13448	43.6354	149.52645	16.99831	7.6971	20.20244	2.14E-08	5.53E-06	7.48E-07	6.6E-12	1.99E-11	1.57E-11	4.01E-14	9.68E-13	5.34544E-14	1.06191E-12	2.14E-08	5.5322E-06	7.47551E-07	6.75352E-12	1.62084E-13	3.3709E-12	2.69672E-14
198	571590.6	4178119	0.55, 41781	0.46599	0.40463	0.49394	103.06511	42.01095	133.93422	16.60125	6.75955	20.50745	1.83E-08	4.96E-06	7.59E-07	5.64E-12	1.7E-11	1.35E-11	3.42E-14	8.27E-13	4.56587E-14	9.07042E-13	1.828E-08	4.9553E-06	7.5883E-07	5.76859E-12	1.38446E-13	2.87929E-12	2.30343E-14
199	570310.6	4178159	0.55, 41781	0.10452	0.07557	0.10002	83.14681	27.07322	89.45551	10.39335	4.47805	11.18194	3.7E-09	3.31E-06	4.14E-07	1.14E-12	3.45E-12	2.72E-12	6.93E-15	1.67E-13	9.2455E-15	1.83668E-13	3.701E-09	3.3097E-06	4.13775E-07	1.16809E-12	2.80342E-14	5.83031E-13	4.66425E-15
200	570350.6	4178159	0.55, 41781	0.1156	0.08446	0.11071	83.51332	29.37807	93.62995	10.43917	4.89635	11.70374	4.1E-09	3.46E-06	4.33E-07	1.26E-12	3.82E-12	3.01E-12	7.67E-15	1.85E-13	1.02337E-14	2.03299E-13	4.097E-09	3.4641E-06	4.33079E-07	1.29294E-12	3.10305E-14	6.45346E-13	5.16277E-15
201	570390.6	4178159	0.55, 41781	0.12828	0.09489	0.12282	85.72091	31.44775	90.10823	10.71511	5.24129	11.26353	4.54E-09	3.33E-06	4.17E-07	1.4E-12	4.23E-12	3.34E-12	8.51E-15	2.06E-13	1.13531E-14	2.25537E-13	4.545E-09	3.3339E-06	4.16797E-07	1.43437E-12	3.44248E-14	7.15939E-13	5.72751E-15
202	570430.6	4178159	0.55, 41781	0.14269	0.1072	0.13639	94.53138	33.159	104.73347	11.81642	5.5265	13.09168	5.05E-09	3.87E-06	4.84E-07	1.56E-12	4.7E-12	3.71E-12	9.46E-15	2.28E-13	1.26075E-14	2.50457E-13	5.047E-09	3.875E-06	4.8444E-07	1.59285E-12	3.82285E-14	7.95044E-13	6.36035E-15
203	570470.6	4178159	0.55, 41781	0.15906	0.12183	0.15182	91.68652	34.69147	109.10852	11.46082	5.78191	13.63857	5.62E-09	4.04E-06	5.05E-07	1.73E-12	5.23E-12	4.13E-12	1.05E-14	2.54E-13	1.40339E-14	2.78793E-13	5.618E-09	4.0368E-06	5.04668E-07	1.77306E-12	4.25535E-14	8.84992E-13	7.07993E-15
204	570510.6	4178159	0.55, 41781	0.17738	0.13933	0.16931	103.8828	36.49731	110.76271	12.98535	6.04456	13.84534	6.26E-09	4.1E-06	5.12E-07	1.93E-12	5.84E-12	4.61E-12	1.17E-14	2.84E-13	1.56507E-14	3.10912E-13	6.265E-09	4.098E-06	5.12333E-07	1.97733E-12	4.7456E-14	9.8695E-13	7.8956E-15
205	570550.6	4178159	0.55, 41781	0.19733	0.16029	0.18927	106.21161	38.46337	121.82569	13.27645	6.62676	15.22821	7E-09	4.51E-06	5.63E-07	2.16E-12	6.53E-12	5.15E-12	1.31E-14	3.17E-13	1.74958E-14	3.47567E-13	7.004E-09	4.5073E-06	5.63494E-07	2.21045E-12	5.30509E-14	1.10331E-12	8.82646E-15
206	570590.6	4178159	0.55, 41781	0.21794	0.18524	0.21062	115.65264	40.48441	129.80552	14.45658	7.37316	16.22569	7.79E-09	4.8E-06	6E-07	2.4E-12	7.26E-12	5.74E-12	1.46E-14	3.53E-13	1.94696E-14	3.86777E-13	7.794E-09	4.8026E-06	6.00407E-07	2.45982E-12	5.90356E-14	1.22777E-12	9.82218E-15
207	570630.6	4178159	0.55, 41781	0.23707	0.21436	0.23118	118.44365	42.79741	144.28442	14.80546	8.08317	18.03555	8.55E-09	5.34E-06	6.67E-07	2.64E-12	7.97E-12	6.3E-12	1.6E-14	3.87E-13	2.13704E-14	4.24537E-13	8.555E-09	5.3382E-06	6.67366E-07	2.69997E-12	6.47992E-14	1.34764E-12	1.07811E-14
208	570670.6	4178159	0.55, 41781	0.25383	0.24795	0.24882	124.95922	45.84094	144.90734	15.6199	8.90031	18.11342	9.21E-09	5.36E-06	6.7E-07	2.84E-12	8.58E-12	6.78E-12	1.73E-14	4.17E-13	2.30014E-14	4.56939E-13	9.207E-09	5.3613E-06	6.70255E-07	2.90603E-12	6.97448E-14	1.45049E-12	1.1604E-14
209	570710.6	4178159	0.55, 41781	0.27135	0.28697	0.26135	131.25248	49.29697	162.49426	17.47805	10.6966	20.31178	9.67E-09	6.01E-06	7.52E-07	2.98E-12	9.01E-12	7.12E-12	1.81E-14	4.38E-13	2.41603E-14	4.79962E-13	9.671E-09	6.012E-06	7.51601E-07	3.05245E-12	7.32589E-14	1.52358E-12	1.21886E-14
210	570750.6	4178159	0.55, 41781	0.29528	0.33222	0.27619	146.48828	52.90094	155.94977	21.86848	12.23914	22.93785	1.02E-08	5.77E-06	8.49E-07	3.15E-12	9.52E-12	7.52E-12	1.91E-14	4.63E-13	2.55329E-14	5.07228E-13	1.022E-08	5.7699E-06	8.48795E-07	3.22586E-12	7.74207E-14	1.61013E-12	1.2881E-14
211	570790.6	4178159	0.55, 41781	0.33253	0.38536	0.30655	168.4296	63.37031	207.44804	22.18934	13.75991	31.3643	1.13E-08	7.68E-06	1.16E-06	3.5E-12	1.06E-11	8.35E-12	2.13E-14	5.13E-13	2.83399E-14	5.62993E-13	1.134E-08	7.6752E-06	1.16053E-06	3.58051E-12	8.59323E-14	1.78715E-12	1.42972E-14
212	570830.6	4178159	0.55, 41781	0.39122	0.44987	0.34708	226.40986	70.88867	244.94075	28.30123	15.58224	30.61759	1.28E-08	9.06E-06	1.13E-06	3.96E-12	1.2E-11	9.45E-12	2.41E-14	5.81E-13	3.20872E-14	6.37435E-13	1.284E-08	9.0623E-06	1.13297E-06	4.05395E-12	9.72948E-14	2.02346E-12	1.61876E-14
213	570870.6	4178159	0.55, 41781	0.48272	0.53035	0.408	262.06298	76.1106	293.39264	32.75787	17.58972	36.67408	1.51E-08	1.09E-05	1.36E-06	4.66E-12	1.41E-11	1.11E-11	2.83E-14	6.83E-13	3.77193E-14	7.4932E-13	1.51E-08	1.0855E-05	1.35707E-06	4.76552E-12	1.14372E-13	2.37862E-12	1.9029E-14
214	570910.6	4178159	0.55, 41781	0.61652	0.63133	0.50366	261.24493	84.17228	335.42472	32.65562	20.33398	41.92809	1.86E-08	1.24E-05	1.55E-06	5.75E-12	1.74E-11	1.37E-11	3.49E-14	8.44E-13	4.65625E-14	9.24997E-13	1.864E-08	1.241E-05	1.55144E-06	5.88278E-12	1.41187E-13	2.93628E-12	2.34903E-14
215	570950.6	4178159	0.55, 41781	0.78722	0.75662	0.63069	286.12528	93.97029	373.71712	38.09436	25.30252	46.71464	2.33E-08	1.38E-05	1.73E-06	7.2E-12	2.17E-11	1.72E-11	4.37E-14	1.06E-12	5.83055E-14	1.15828E-12	2.334E-08	1.3827E-05	1.72857E-06	7.36641E-12	1.76794E-13	3.67681E-12	2.94145E-14
216	570990.6	4178159	0.55, 41781	0.95557	0.89576	0.74297	303.7283	113.02353	445.40224	49.39935	30.83627	55.67528	2.75E-08	1.65E-05	2.06E-06	8.48E-12	2.56E-11	2.02E-11	5.15E-14	1.24E-12	6.86856E-14	1.36449E-12	2.749E-08	1.6479E-05	2.06018E-06	8.67785E-12	2.08268E-13	4.33139E-12	3.46511E-14
217	571030.6	4178159	0.55, 41781	1.0701	1.00768	0.7637	365.27865	135.92516	512.48146	63.89384	29.33742	70.31034	2.83E-08	1.9E-05	2.6E-06	8.72E-12	2.63E-11	2.08E-11	5.3E-14	1.28E-12	7.06043E-14	1.4026E-12	2.826E-08	1.8961E-05	2.60174E-06	8.92025E-12	2.14086E-13	4.45238E-12	3.56191E-14
218	571070.6	4178159	0.55, 41781	1.06935	1.07923	0.71312	382.13438	155.20031	662.82772	54.74849	37.25068	94.68967	2.64E-08	2.45E-05	3.5E-06	8.14E-12	2.46E-11	1.94E-11	4.94E-14	1.19E-12	6.59315E-14	1.30977E-12	2.639E-08	2.4523E-05	3.50355E-06	8.32989E-12	1.99917E-13	4.15771E-12	3.32617E-14
219	571110.6	4178159	0.55, 41781	1.19831	1.16386	0.6846	373.85472	174.62021	736.75515	53.40782	39.37776	93.09067	2.53E-08	2.73E-05	3.44E-06	7.82E-12	2.36E-11	1.86E-11	4.75E-14	1.15E-12	6.3298E-14	1.25746E-12	2.534E-08	2.7258E-05	3.44438E-06	7.99717E-12	1.91932E-13	3.99164E-12	3.19331E-14
220	571150.6	4178159	0.55, 41781	1.53671	1.26322	0.72724	331.2731	149.81574	693.97089	50.26616	34.67292	96.78528	2.69E-08	2.57E-05	3.58E-06	8.31E-12	2.51E-11	1.98E-11	5.04E-14	1.22E-12	6.72418E-14	1.33581E-12	2.692E-08	2.5675E-05	3.58103E-06	8.49543E-12	2.0389E-13	4.24034E-12	3.39227E-14
221	571190.6	4178159	0.55, 41781	1.71324	1.27647	0.80447	303.51531	125.05743	565.89383	43.45807	29.97586	80.84198	2.98E-08	2.09E-05	2.99E-06	9.19E-12	2.77E-11	2.19E-11	5.58E-14	1.35E-12	7.43799E-14	1.47761E-12	2.977E-08	2.0936E-05	2.99115E-06	9.39727E-12	2.25534E-13	4.69048E-12	3.75238E-14
222	571230.6	4178159	0.55, 41781	1.67997	1.21931	0.99011	277.00255	96.22407	622.39581	36.53844	24.95569	77.79948	3.66E-08	2.3E-05	2.88E-06	1.13E-11	3.41E-11	2.7E-11	6.86E-14	1.66E-12	9.15347E-14	1.8184E-12	3.664E-08	2.3026E-05	2.87852E-06	1.15646E-11	2.77551E-13	5.77228E-12	4.61782E-14
223	571270.6	4178159	0.55, 41781	1.56347	1.13234	1.265	251.98402	83.18585	536.39129	31.498	20.71301	67.04891	4.68E-08	1.98E-05	2.48E-06	1.44E-11	4.36E-11	3.45E-11	8.77E-14	2.12E-12	1.16937E-13	2.32303E-12	4.681E-08	1.9845E-05	2.48076E-06	1.4774E-11	3.54576E-13	7.37417E-12	5.89933E-14
224	571310.6	4178159	0.55, 41781	1.42012	1.03692	1.45126	223.09845	65.85457	360.16353	27.88731	18.21453	45.02044	5.37E-08	1.33E-05	1.67E-06	1.66E-11	5E-11	3.95E-11	1.01E-13	2.43E-12	1.34148E-13	2.66494E-12	5.37E-08	1.3325E-05	1.66579E-06	1.69484E-11	4.06763E-13	8.45951E-12	6.76761E-14
225	571350.6	4178159	0.55, 41781	1.26306	0.93714	1.42084	212.7442	53.05659	355.96566	26.59303	15.01468	44.49571	5.26E-08	1.32E-05	1.65E-06	1.62E-11	4.9E-11	3.87E-11	9.85E-14	2.38E-12	1.31334E-13	2.60904E-12	5.257E-08	1.3169E-05	1.64636E-06	1.65929E-11	3.9823E-13	8.28206E-12	6.62564E-14
226	571390.6	4178159	0.55, 41781	1.10199	0.83709	1.24864	185.92823	54.01949	274.01244	23.24103	13.29114	34.25155	4.62E-08	1.01E-05	1.27E-06	1.43E-11	4.3E-11	3.4E-11	8.66E-14	2.09E-12	1.15417E-13	2.29284E-12	4.62E-08	1.0138E-05	1.26735E-06	1.4582E-11	3.49967E-13	7.27832E-12	5.82266E-14
227	571430.6	4178159	0.55, 41781	0.9418	0.73869	1.04204	159.26436	53.60229	222.79179	21.61583	11.2268	27.84897	3.86E-08	8.24E-06	1.03E-06	1.19E-11	3.59E-11	2.84E-11	7.22E-14	1.74E-12	9.6321E-14	1.91349E-12	3.856E-08	8.2427E-06	1.03048E-06	1.21694E-11	2.92064E-13	6.07411E-12	4.85929E-14
228	571470.6	4178159	0.55, 41781	0.79447	0.64516	0.85663	139.92539	51.85557	187.30754	21.06215	9.90602	27.91527	3.17E-08	6.93E-06	1.03E-06	9.78E-12	2.95E-11	2.33E-11	5.94E-14	1.43E-12	7.91836E-14	1.57304E-12	3.17E-08	6.93E-06	1.03292E-06	1.00042E-11	2.401E-13	4.9934E-12	3.99472E-14
229	571510.6	4178159	0.55, 41781	0.67282	0.56206	0.7111	120.25585	49.92459	159.61818	19.96311	8.50885	26.60303	2.63E-08	5.91E-06	9.84E-07	8.12E-12	2.45E-11	1.94E-11	4.93E-14	1.19E-12	6.5732E-14	1.30581E-12	2.631E-08	5.9056E-06	9.84367E-07	8.30468E-12	1.99312E-13	4.14513E-12	3.31611E-14
230	571550.6	4178159	0.55, 41781	0.57423	0.48972	0.59807	110.64777	47.57404	144.95635	18.4413	7.31081	24.15939	2.21E-08	5.36E-06	8.94E-07	6.83E-12	2.06E-11	1.63E-11	4.15E-14	1E-12	5.52842E-14	1.09826E-12	2.213E-08	5.3631E-06	8.93951E-07	6.9847E-12	1.67633E-13	3.48629E-12	2.78903E-14
231	571590.6	4178159	0.55, 41781	0.49292	0.42713	0.50772	100.4908	44.5532	128.72625	16.74847	6.44552	21.45437	1.88E-08	4.76E-06	7.94E-07	5.8E-12	1.75E-11	1.38E-11	3.52E-14	8.5E-13	4.69327E-14	9.32352E-13	1.879E-08	4.7627E-06	7.93863E-07	5.92956E-12	1.42309E-13	2.95963E-12	2.36771E-14
232	570310.6	4178199	0.55, 41781	0.10691	0.07648	0.10208	81.28791	24.55019	79.664	10.16099	3.94128	9.958	3.78E-09	2.95E-06	3.68E-07	1.17E-12	3.52E-12	2.78E-12	7.08E-15	1.71E-13	9.4359E-15	1.87451E-13	3.777E-09	2.9474E-06	3.68494E-07	1.19215E-12	2.86115E-14	5.95039E-13	4.76031E-15
233	570350.6	4178199	0.55, 41781	0.11881	0.08587	0.11329	92.41038	27.80697	96.15133	11.5513	4.55912	12.01892	4.19E-09	3.56E-06	4.45E-07	1.29E-12	3.91E-12	3.09E-12	7.85E-15	1.9E-13	1.04721E-14	2.08036E-13	4.192E-09	3.5574E-06	4.44751E-07	1.32307E-12	3.17536E-14	6.60385E-13	5.28308E-15
234	570390.6	4178199	0.55, 41781	0.13286	0.09703	0.12666	98.9418	30.67703	108.4605	12.36772	5.11284	13.55756	4.69E-09	4.01E-06	5.02E-07	1.45E-12	4.37E-12	3.45E-12	8.78E-15	2.12E-13	1.1708E-14	2.32588E-13	4.687E-09	4.0128E-06	5.0168E-07	1.47921E-12	3.55011E-14	7.38322E-13	5.90658E-15
235	570430.6	4178199	0.55, 41781	0.14935	0.11037	0.14231	98.24021	33.47488	112.67373	12.28003	5.57915	14.08422	5.27E-09	4.17E-06	5.21E-07	1.62E-12	4.91E-12	3.88E-12	9.87E-15	2.38E-13	1.31547E-14	2.61327E-13	5.266E-09	4.1687E-06	5.21163E-07	1.66199E-12	3.98877E-14	8.2955E-13	6.6364E-15
236	570470.6	4178199	0.55, 41781	0.1686	0.12646	0.16043	107.25905	35.76824	115.05444	13.40738	5.96137	14.38181	5.94E-09	4.26E-06	5.32E-07	1.83E-12	5.53E-12	4.37E-12	1.11E-14	2.69E-13	1.48297E-14	2.94603E-13	5.936E-09	4.2568E-06	5.32183E-07	1.87361E-12	4.49666E-14	9.35178E-13	7.48142E-15
237	570510.6	4178199	0.55, 41781	0.19081	0.14598	0.18108	111.923	37.71142	131.96286	13.99038	6.28524	16.49536	6.7E-09	4.88E-06	6.1E-07	2.07E-12	6.24E-12	4.93E-12	1.26E-14	3.03E-13	1.67386E-14	3.32524E-13	6.7E-09	4.8824E-06	6.10379E-07	2.11478E-12	5.07548E-14	1.05556E-12	8.44445E-15
238	570550.6	4178199	0.55, 41781	0.21602	0.16987	0.20494	119.57772	40.00549	129.21029	14.94721	6.67621	16.15129	7.58E-09	4.78E-06	5.98E-07	2.34E-12	7.07E-12	5.58E-12	1.42E-14	3.43E-13	1.89443E-14	3.76341E-13	7.583E-09	4.7806E-06	5.9766E-07	2.39345E-12	5.74428E-14	1.19465E-12	9.55718E-15
239	570590.6	4178199	0.55, 41781	0.24388	0.19917	0.2325	124.08345	42.52786	147.10165	15.51043	7.78928	18.38771	8.6E-09	5.44E-06	6.8E-07	2.65E-12	8.02E-12	6.33E-12	1.61E-14	3.89E-13	2.1492E-14	4.26954E-13	8.603E-09	5.4425E-06	6.80401E-07	2.71534E-12	6.51681E-14	1.35531E-12	1.08425E-14
240	570630.6	4178199	0.55, 41781	0.27242	0.23473	0.26214	135.79301	45.13025	156.31523	16.97413	8.73982	19.5394	9.7E-09	5.78E-06	7.23E-07	2.99E-12	9.04E-12	7.14E-12	1.82E-14	4.39E-13	2.42321E-14	4.81388E-13	9.7E-09	5.7833E-06	7.23022E-07	3.06153E-12	7.34766E-14	1.52811E-12	1.22248E-14
241	570670.6	4178199	0.55, 41781	0.29828	0.27729	0.29064	136.89517	48.04336	174.48935	17.44831	9.65486	21.81117	1.08E-08	6.46E-06	8.07E-07	3.32E-12	1E-11	7.92E-12	2.01E-14	4.87E-13	2.6867E-14	5.33733E-13	1.075E-08	6.4557E-06	8.07069E-07	3.39442E-12	8.14662E-14	1.69427E-12	1.35541E-14
242	570710.6	4178199	0.55, 41781	0.321	0.32818	0.31291	151.98197	52.23375	185.24815	19.68934	11.4382	23.15602	1.16E-08	6.85E-06	8.57E-07	3.57E-12	1.08E-11	8.52E-12	2.17E-14	5.24E-13	2.89264E-14	5.74643E-13	1.158E-08	6.8538E-06	8.56844E-07	3.6546E-12	8.77105E-14	1.82413E-12	1.4593E-14
243	570750.6	4178199	0.55, 41781	0.34558	0.38955	0.32771	144.14265	57.26085	196.69908	22.53194	13.53855	24.58613	1.21E-08	7.28E-06	9.1E-07	3.74E-12	1.13E-11	8.93E-12	2.27E-14	5.49E-13	3.02956E-14	6.01844E-13	1.213E-08	7.2771E-06	9.09779E-07	3.82759E-12	9.18623E-14	1.91047E-12	1.52838E-14
244	570790.6	4178199	0.55, 41781	0.38143	0.46429	0.35275	173.32889	66.95506	241.81218	25.57778	15.36352	36.58263	1.31E-08	8.95E-06	1.35E-06	4.03E-12	1.22E-11	9.61E-12	2.45E-14	5.91E-13	3.26115E-14	6.47851E-13	1.305E-08	8.9465E-06	1.35361E-06	4.12019E-12	9.88846E-14	2.05652E-12	1.64521E-14
245	570830.6	4178199	0.55, 41781	0.44289	0.55991	0.39405	200.31972	78.9407	262.23048	28.47462	17.66262	37.4615	1.46E-08	9.7E-06	1.39E-06	4.5E-12	1.36E-11	1.07E-11	2.73E-14	6.6E-13	3.64307E-14	7.23721E-13	1.458E-08	9.702E-06	1.38616E-06	4.60271E-12	1.10465E-13	2.29736E-12	1.83789E-14
246	570870.6	4178199	0.55, 41781	0.55133	0.6879	0.45528	245.75399	83.68372	263.19795	34.28137	20.83884	36.18743	1.68E-08	9.74E-06	1.34E-06	5.2E-12	1.57E-11	1.24E-11	3.16E-14	7.63E-13	4.20925E-14	8.36197E-13	1.685E-08	9.7379E-06	1.33908E-06	5.31804E-12	1.27633E-13	2.6544E-12	2.12352E-14
247	570910.6	4178199	0.55, 41781	0.74216	0.86472	0.57468	353.61381	98.21675	387.24795	44.20173	24.01316	48.40599	2.13E-08	1.43E-05	1.79E-06	6.56E-12	1.98E-11	1.57E-11	3.98E-14	9.63E-13	5.31316E-14	1.0555E-12	2.127E-08	1.4327E-05	1.7912E-06	6.71273E-12	1.61105E-13	3.35054E-12	2.68043E-14
248	570950.6	4178199	0.55, 41781	1.08517	1.1274	0.77671	376.11466	111.85514	479.74888	52.74149	29.33795	59.96861	2.87E-08	1.77E-05	2.22E-06	8.87E-12	2.68E-11	2.12E-11	5.39E-14	1.3E-12	7.18094E-14	1.42654E-12	2.875E-08	1.7749E-05	2.21904E-06	9.07251E-12	2.1774E-13	4.52838E-12	3.6227E-14
249	570990.6	4178199	0.55, 41781	1.58976	1.56693	1.05873	410.19015	135.68135	559.12982	68.60008	44.06737	76.18548	3.92E-08	2.07E-05	2.82E-06	1.21E-11	3.65E-11	2.88E-11	7.34E-14	1.77E-12	9.7884E-14	1.94453E-12	3.918E-08	2.0686E-05	2.81914E-06	1.23668E-11	2.96804E-13	6.17268E-12	4.93814E-14
250	571030.6	4178199	0.55, 41781	2.42958	2.27373	1.377	561.74649	191.25505	728.04918	107.05418	55.40677	100.45619	5.1E-08	2.69E-05	3.72E-06	1.57E-11	4.75E-11	3.75E-11	9.55E-14	2.31E-12	1.27316E-13	2.52922E-12	5.096E-08	2.6936E-05	3.71741E-06	1.60853E-11	3.86046E-13	8.02867E-12	6.42294E-14
251	571070.6	4178199	0.55, 41781	3.58306	3.18041	1.39903	721.18769	259.71405	966.70756	139.44796	73.67892	146.94766	5.18E-08	3.58E-05	5.44E-06	1.6E-11	4.83E-11	3.81E-11	9.7E-14	2.34E-12	1.29375E-13	2.57013E-12	5.179E-08	3.5766E-05	5.43766E-06	1.63455E-11	3.92291E-13	8.15855E-12	6.52684E-14
252	571110.6	4178199	0.55, 41781	5.26167	3.22788	1.2956	536.30163	206.72583	1199.13306	116.57539	57.94295	153.9862	4.8E-08	4.44E-05	5.7E-06	1.48E-11	4.47E-11	3.53E-11	8.99E-14	2.17E-12	1.19822E-13	2.38035E-12	4.796E-08	4.4364E-05	5.69782E-06	1.51385E-11	3.63324E-13	7.55611E-12	6.04489E-14
253	571150.6	4178199	0.55, 41781	4.55265	2.7214	1.43074	406.82024	165.14744	1078.46551	75.27018	43.84452	138.95995	5.3E-08	3.99E-05	5.14E-06	1.63E-11	4.93E-11	3.9E-11	9.92E-14	2.4E-12	1.32298E-13	2.62819E-12	5.296E-08	3.9899E-05	5.14151E-06	1.67147E-11	4.01153E-13	8.34285E-12	6.67428E-14
254	571190.6	4178199	0.55, 41781	3.6655	2.27193	1.9191	348.88414	129.45816	921.59929	55.11772	35.12171	118.18584	7.1E-08	3.41E-05	4.37E-06	2.19E-11	6.62E-11	5.23E-11	1.33E-13	3.21E-12	1.77418E-13	3.52453E-12	7.102E-08	3.4096E-05	4.37278E-06	2.24153E-11	5.37966E-13	1.11882E-11	8.95054E-14

255	571230.6	4178199	0.55, 41781	2.99647	1.91661	2.63905	311.11499	100.77545	780.81724	44.29874	28.05958	97.60216	9.77E-08	2.89E-05	3.61E-06	3.01E-11	9.1E-11	7.19E-11	1.83E-13	4.42E-12	2.43943E-13	4.84611E-12	9.765E-08	2.8887E-05	3.61119E-06	3.08202E-11	7.39685E-13	1.53833E-11	1.23067E-13
256	571270.6	4178199	0.55, 41781	2.48655	1.63354	2.7833	275.28639	78.6156	563.64868	36.03295	23.70769	70.45609	1.03E-07	2.09E-05	2.61E-06	3.18E-11	9.6E-11	7.58E-11	1.93E-13	4.66E-12	2.57267E-13	5.11078E-12	1.03E-07	2.0853E-05	2.60685E-06	3.25035E-11	7.80084E-13	1.62235E-11	1.29788E-13
257	571310.6	4178199	0.55, 41781	2.04979	1.39182	2.36332	251.65063	69.80646	418.93362	31.45633	18.505	52.3667	8.74E-08	1.55E-05	1.94E-06	2.7E-11	8.15E-11	6.44E-11	1.64E-13	3.96E-12	2.18447E-13	4.3396E-12	8.744E-08	1.5499E-05	1.9376E-06	2.75989E-11	6.62374E-13	1.37755E-11	1.10204E-13
258	571350.6	4178199	0.55, 41781	1.66907	1.18291	1.84305	207.71058	67.17721	304.96385	28.41822	15.5683	43.42728	6.82E-08	1.13E-05	1.61E-06	2.1E-11	6.35E-11	5.02E-11	1.28E-13	3.09E-12	1.7036E-13	3.38431E-12	6.82E-08	1.1283E-05	1.60686E-06	2.15235E-11	5.16564E-13	1.07431E-11	8.59446E-14
259	571390.6	4178199	0.55, 41781	1.33874	0.99933	1.42084	175.53523	63.93291	243.3206	26.80029	13.20173	40.55343	5.26E-08	9E-06	1.5E-06	1.62E-11	4.9E-11	3.87E-11	9.85E-14	2.38E-12	1.31335E-13	2.60907E-12	5.257E-08	9.0023E-06	1.50052E-06	1.65931E-11	3.98235E-13	8.28216E-12	6.62573E-14
260	571430.6	4178199	0.55, 41781	1.08215	0.84466	1.12094	146.49279	60.30749	207.71024	24.41546	11.02968	34.61837	4.15E-08	7.68E-06	1.28E-06	1.28E-11	3.86E-11	3.05E-11	7.77E-14	1.88E-12	1.03615E-13	2.05839E-12	4.148E-08	7.6848E-06	1.28094E-06	1.30909E-11	3.14183E-13	6.53411E-12	5.22729E-14
261	571470.6	4178199	0.55, 41781	0.88511	0.71494	0.90372	129.54701	55.96987	172.11269	21.59117	9.33698	28.68545	3.34E-08	6.37E-06	1.06E-06	1.03E-11	3.12E-11	2.46E-11	6.27E-14	1.51E-12	8.35373E-14	1.65953E-12	3.344E-08	6.3679E-06	1.06142E-06	1.05542E-11	2.53302E-13	5.26795E-12	4.21436E-14
262	571510.6	4178199	0.55, 41781	0.73336	0.60746	0.74181	112.64977	51.14316	142.69265	18.77496	8.40942	23.78211	2.74E-08	5.28E-06	8.8E-07	8.47E-12	2.56E-11	2.02E-11	5.14E-14	1.24E-12	6.85713E-14	1.36222E-12	2.745E-08	5.2794E-06	8.79997E-07	8.6634E-12	2.07922E-13	4.32418E-12	3.45935E-14
263	571550.6	4178199	0.55, 41781	0.6189	0.52125	0.62191	97.68282	46.08498	120.36205	16.28047	7.59304	20.06034	2.3E-08	4.45E-06	7.42E-07	7.1E-12	2.14E-11	1.69E-11	4.31E-14	1.04E-12	5.74883E-14	1.14204E-12	2.301E-08	4.4532E-06	7.42287E-07	7.26316E-12	1.74316E-13	3.62527E-12	2.90022E-14
264	571590.6	4178199	0.55, 41781	0.52714	0.45016	0.52751	84.87826	41.93857	102.67653	14.14638	6.8553	17.11275	1.95E-08	3.8E-06	6.33E-07	6.02E-12	1.82E-11	1.44E-11	3.66E-14	8.83E-13	4.87623E-14	9.68697E-13	1.952E-08	3.7989E-06	6.3322E-07	6.1607E-12	1.47857E-13	3.075E-12	2.46E-14
265	570310.6	4178239	0.55, 41782	0.10871	0.07725	0.10419	69.36135	22.19632	77.30253	9.49069	3.20395	10.55794	3.86E-09	2.86E-06	3.91E-07	1.19E-12	3.59E-12	2.84E-12	7.22E-15	1.74E-13	9.63092E-15	1.91325E-13	3.855E-09	2.86E-06	3.90682E-07	1.21679E-12	2.92029E-14	6.07337E-13	4.85869E-15
266	570350.6	4178239	0.55, 41782	0.12097	0.08699	0.11543	80.24676	23.95533	77.73127	10.03084	3.79637	10.6184	4.27E-09	2.88E-06	3.93E-07	1.32E-12	3.98E-12	3.14E-12	8E-15	1.93E-13	1.06699E-14	2.11966E-13	4.271E-09	2.8759E-06	3.92924E-07	1.34806E-12	3.23534E-14	6.72858E-13	5.38287E-15
267	570390.6	4178239	0.55, 41782	0.13576	0.09875	0.129	97.68381	28.15369	96.07123	12.21048	4.56788	12.0089	4.77E-09	3.55E-06	4.44E-07	1.47E-12	4.45E-12	3.51E-12	8.94E-15	2.16E-13	1.19243E-14	2.36885E-13	4.773E-09	3.5545E-06	4.44387E-07	1.50654E-12	3.6157E-14	7.51962E-13	6.0157E-15
268	570430.6	4178239	0.55, 41782	0.15369	0.11303	0.14573	112.57412	32.01468	119.02369	14.07177	5.30028	14.87796	5.39E-09	4.4E-06	5.51E-07	1.66E-12	5.02E-12	3.97E-12	1.01E-14	2.44E-13	1.34708E-14	2.67608E-13	5.392E-09	4.4036E-06	5.50545E-07	1.70193E-12	4.08463E-14	8.49486E-13	6.79589E-15
269	570470.6	4178239	0.55, 41782	0.17542	0.1305	0.16624	120.86213	35.6675	135.90431	15.10777	5.94458	16.98804	6.15E-09	5.03E-06	6.29E-07	1.9E-12	5.73E-12	4.53E-12	1.15E-14	2.78E-13	1.53668E-14	3.05271E-13	6.151E-09	5.0282E-06	6.28617E-07	1.94146E-12	4.65951E-14	9.69045E-13	7.75236E-15
270	570510.6	4178239	0.55, 41782	0.20166	0.15208	0.19089	118.29832	38.86505	139.27939	14.78729	6.47751	17.40992	7.06E-09	5.15E-06	6.44E-07	2.18E-12	6.58E-12	5.2E-12	1.32E-14	3.2E-13	1.76454E-14	3.50538E-13	7.063E-09	5.153E-06	6.44221E-07	2.22935E-12	5.35043E-14	1.11274E-12	8.9019E-15
271	570550.6	4178239	0.55, 41782	0.23297	0.17899	0.21994	134.82021	41.51275	155.81716	16.85253	6.91879	19.47714	8.14E-09	5.76E-06	7.21E-07	2.51E-12	7.58E-12	5.99E-12	1.52E-14	3.68E-13	2.03308E-14	4.03885E-13	8.138E-09	5.7649E-06	7.20717E-07	2.56862E-12	6.1647E-14	1.28208E-12	1.02567E-14
272	570590.6	4178239	0.55, 41782	0.26933	0.21289	0.25402	138.182	44.61865	161.93184	17.27275	7.89914	20.24148	9.4E-09	5.99E-06	7.49E-07	2.9E-12	8.76E-12	6.92E-12	1.76E-14	4.25E-13	2.34812E-14	4.66471E-13	9.4E-09	5.9911E-06	7.48998E-07	2.96665E-12	7.11997E-14	1.48075E-12	1.1846E-14
273	570630.6	4178239	0.55, 41782	0.31001	0.25571	0.29378	151.57706	47.88426	180.12829	18.94713	9.37801	22.51604	1.09E-08	6.66E-06	8.33E-07	3.35E-12	1.01E-11	8E-12	2.04E-14	4.92E-13	2.71568E-14	5.39488E-13	1.087E-08	6.6643E-06	8.33161E-07	3.43103E-12	8.23447E-14	1.71254E-12	1.37003E-14
274	570670.6	4178239	0.55, 41782	0.35129	0.30919	0.33746	163.01094	51.1286	193.67566	20.37637	10.66356	24.20946	1.25E-08	7.17E-06	8.96E-07	3.85E-12	1.16E-11	9.19E-12	2.34E-14	5.65E-13	3.11948E-14	6.19708E-13	1.249E-08	7.1656E-06	8.95823E-07	3.94121E-12	9.4589E-14	1.96718E-12	1.57375E-14
275	570710.6	4178239	0.55, 41782	0.3879	0.37553	0.37852	161.77129	55.27243	215.9147	21.46966	11.91574	26.98934	1.4E-08	7.99E-06	9.99E-07	4.32E-12	1.31E-11	1.03E-11	2.62E-14	6.34E-13	3.49911E-14	6.95122E-13	1.401E-08	7.9883E-06	9.98674E-07	4.42083E-12	1.061E-13	2.20658E-12	1.76526E-14
276	570750.6	4178239	0.55, 41782	0.41955	0.45853	0.40652	185.09687	61.2613	243.75059	24.33831	15.0229	31.56234	1.5E-08	9.02E-06	1.17E-06	4.64E-12	1.4E-11	1.11E-11	2.82E-14	6.81E-13	3.75807E-14	7.46567E-13	1.504E-08	9.0182E-06	1.16788E-06	4.74801E-12	1.13952E-13	2.36988E-12	1.89591E-14
277	570790.6	4178239	0.55, 41782	0.45531	0.56517	0.42739	195.76674	71.16962	229.68596	30.0466	17.67317	35.54387	1.58E-08	8.5E-06	1.32E-06	4.88E-12	1.47E-11	1.16E-11	2.96E-14	7.16E-13	3.9512E-14	7.84933E-13	1.582E-08	8.498E-06	1.31523E-06	4.99201E-12	1.19808E-13	2.49167E-12	1.99334E-14
278	570830.6	4178239	0.55, 41782	0.51729	0.70869	0.46924	186.14136	86.93814	313.42291	30.32646	20.0795	44.72862	1.74E-08	1.16E-05	1.66E-06	5.36E-12	1.62E-11	1.28E-11	3.25E-14	7.86E-13	4.3383E-14	8.61835E-13	1.737E-08	1.1596E-05	1.65502E-06	5.48108E-12	1.31546E-13	2.73578E-12	2.18863E-14
279	570870.6	4178239	0.55, 41782	0.63421	0.91745	0.53024	225.98347	96.3139	311.28977	37.66391	24.81387	41.34654	1.96E-08	1.15E-05	1.53E-06	6.06E-12	1.83E-11	1.44E-11	3.68E-14	8.88E-13	4.90255E-14	9.73926E-13	1.962E-08	1.1517E-05	1.52998E-06	6.19396E-12	1.48655E-13	3.0916E-12	2.47328E-14
280	570910.6	4178239	0.55, 41782	0.85302	1.23442	0.65693	293.13359	117.47886	326.7744	47.06613	30.6738	48.00957	2.43E-08	1.21E-05	1.78E-06	7.5E-12	2.27E-11	1.79E-11	4.56E-14	1.1E-12	6.07416E-14	1.20667E-12	2.431E-08	1.209E-05	1.77657E-06	7.67418E-12	1.8418E-13	3.83043E-12	3.06434E-14
281	570950.6	4178239	0.55, 41782	1.35023	1.79208	0.88884	455.80102	142.22416	478.03953	68.40553	39.86266	68.50221	3.29E-08	1.77E-05	2.53E-06	1.02E-11	3.07E-11	2.42E-11	6.16E-14	1.49E-12	8.21879E-14	1.63272E-12	3.29E-08	1.7687E-05	2.5349E-06	1.03837E-11	2.4921E-13	5.18286E-12	4.14629E-14
282	570990.6	4178239	0.55, 41782	3.0182	3.06414	1.32054	885.93977	193.04223	771.54657	147.1874	58.20401	96.44332	4.89E-08	2.85E-05	3.57E-06	1.51E-11	4.55E-11	3.6E-11	9.16E-14	2.21E-12	1.22117E-13	2.42595E-12	4.888E-08	2.8546E-05	3.56936E-06	1.54285E-11	3.70284E-13	7.70086E-12	6.16069E-14
283	571030.6	4178239	0.55, 41782	7.70332	4.46365	2.30139	679.65913	243.63294	1123.21669	144.28562	71.78775	156.8655	8.52E-08	4.16E-05	5.8E-06	2.63E-11	7.94E-11	6.27E-11	1.6E-13	3.86E-12	2.12808E-13	4.22758E-12	8.519E-08	4.1556E-05	5.80462E-06	2.68865E-11	6.45276E-13	1.34199E-11	1.07359E-13
284	571110.6	4178239	0.55, 41782	48.37684	13.76668	3.52906	1082.14109	288.2044	2417.61379	441.33003	115.9324	328.07057	1.31E-07	8.94E-05	1.21E-05	4.03E-11	1.22E-10	9.62E-11	2.45E-13	5.92E-12	3.26582E-13	6.48777E-12	1.307E-07	8.9442E-05	1.21413E-05	4.12608E-11	9.9026E-13	2.05946E-11	1.64757E-13
285	571150.6	4178239	0.55, 41782	14.38318	6.22649	4.84511	550.93904	192.81003	1871.63269	147.46183	59.89562	339.77194	1.79E-07	6.92E-05	1.26E-05	5.53E-11	1.67E-10	1.32E-10	3.36E-13	8.11E-12	4.47947E-13	8.89879E-12	1.793E-07	6.9242E-05	1.25712E-05	5.65944E-11	1.35827E-12	2.82481E-11	2.25985E-13
286	571190.6	4178239	0.55, 41782	8.08563	4.10425	7.76231	423.01159	138.20819	1326.9025	88.76631	43.45879	203.98194	2.87E-07	4.91E-05	7.55E-06	8.86E-11	2.68E-10	2.11E-10	5.38E-13	1.3E-11	7.1748E-13	1.42533E-11	2.872E-07	4.909E-05	7.5471E-06	9.06476E-11	2.17554E-12	4.52451E-11	3.61961E-13
287	571230.6	4178239	0.55, 41782	5.48613	3.01374	6.36519	364.79857	99.98669	820.37732	64.1708	32.88659	114.5851	2.36E-07	3.04E-05	4.24E-06	7.27E-11	2.19E-10	1.73E-10	4.41E-13	1.07E-11	5.88332E-13	1.16876E-11	2.355E-07	3.0351E-05	4.23966E-06	7.43308E-11	1.78394E-12	3.71009E-11	2.96807E-13
288	571270.6	4178239	0.55, 41782	3.91656	2.30583	4.21608	308.69657	91.16262	501.73471	42.97299	25.31404	83.35946	1.56E-07	1.86E-05	3.08E-06	4.81E-11	1.45E-10	1.15E-10	2.92E-13	7.06E-12	3.89698E-13	7.74163E-12	1.56E-07	1.8563E-05	3.08427E-06	4.92351E-11	1.18164E-12	2.45748E-11	1.96599E-13
289	571310.6	4178239	0.55, 41782	2.81911	1.80691	2.86031	238.76095	82.99282	368.88984	36.57222	19.65898	61.48164	1.06E-07	1.36E-05	2.27E-06	3.27E-11	9.86E-11	7.79E-11	1.98E-13	4.79E-12	2.64388E-13	5.25226E-12	1.058E-07	1.3648E-05	2.27485E-06	3.34033E-11	8.01678E-13	1.66726E-11	1.33381E-13
290	571350.6	4178239	0.55, 41782	2.07392	1.43877	2.07081	186.98174	75.01218	257.12826	31.16362	15.62493	42.85471	7.66E-08	9.51E-06	1.59E-06	2.36E-11	7.14E-11	5.64E-11	1.44E-13	3.47E-12	1.91415E-13	3.8026E-12	7.662E-08	9.5132E-06	1.5857E-06	2.41837E-11	5.80409E-13	1.20709E-11	9.65669E-14
291	571390.6	4178239	0.55, 41782	1.57003	1.1589	1.56847	153.36435	67.14235	200.39228	25.56072	13.28221	31.13336	5.8E-08	7.41E-06	1.15E-06	1.79E-11	5.41E-11	4.27E-11	1.09E-13	2.63E-12	1.44983E-13	2.88019E-12	5.804E-08	7.4142E-06	1.15202E-06	1.83174E-11	4.39617E-13	9.1428E-12	7.31424E-14
292	571430.6	4178239	0.55, 41782	1.23548	0.94866	1.2378	124.99719	59.46648	164.5542	20.83286	11.6734	24.18073	4.58E-08	6.09E-06	8.95E-07	1.41E-11	4.27E-11	3.37E-11	8.58E-14	2.07E-12	1.14418E-13	2.27299E-12	4.58E-08	6.0883E-06	8.94764E-07	1.44558E-11	3.46938E-13	7.21533E-12	5.77226E-14
293	571470.6	4178239	0.55, 41782	0.99131	0.7845	0.9961	109.3041	54.21436	142.14876	17.2339	10.26711	19.9293	3.69E-08	5.26E-06	7.37E-07	1.14E-11	3.43E-11	2.71E-11	6.91E-14	1.67E-12	9.20766E-14	1.82917E-12	3.686E-08	5.2593E-06	7.37449E-07	1.16331E-11	2.79194E-13	5.80645E-12	4.64516E-14
294	571510.6	4178239	0.55, 41782	0.81688	0.65976	0.82266	100.30585	50.40167	129.05875	14.55844	9.03737	16.96469	3.04E-08	4.78E-06	6.28E-07	9.39E-12	2.84E-11	2.24E-11	5.7E-14	1.38E-12	7.60446E-14	1.51068E-12	3.044E-08	4.775E-06	6.27747E-07	9.60759E-12	2.30582E-13	4.79546E-12	3.83636E-14
295	571550.6	4178239	0.55, 41782	0.68618	0.56281	0.69258	92.19218	46.80105	116.817	12.52836	7.96128	14.60636	2.56E-08	4.32E-06	5.4E-07	7.91E-12	2.39E-11	1.89E-11	4.8E-14	1.16E-12	6.40205E-14	1.27181E-12	2.563E-08	4.3221E-06	5.40482E-07	8.08845E-12	1.94123E-13	4.0372E-12	3.22976E-14
296	571590.6	4178239	0.55, 41782	0.57854	0.48285	0.58537	84.94405	43.3686	105.85184	10.89629	7.01254	13.23148	2.17E-08	3.92E-06	4.9E-07	6.68E-12	2.02E-11	1.59E-11	4.06E-14	9.8E-13	5.41104E-14	1.07494E-12	2.166E-08	3.9164E-06	4.89602E-07	6.83639E-12	1.64073E-13	3.41226E-12	2.72981E-14
297	570310.6	4178279	0.55, 41782	0.11004	0.07807	0.10589	74.04292	22.79319	77.67346	10.17864	3.64675	10.70288	3.92E-09	2.87E-06	3.96E-07	1.21E-12	3.65E-12	2.88E-12	7.34E-15	1.77E-13	9.78805E-15	1.94447E-13	3.918E-09	2.8738E-06	3.96051E-07	1.23664E-12	2.96793E-14	6.17246E-13	4.93797E-15
298	570350.6	4178279	0.55, 41782	0.12249	0.08802	0.11726	80.9847	23.74961	88.18196	11.08549	3.81596	12.05595	4.34E-09	3.26E-06	4.46E-07	1.34E-12	4.04E-12	3.19E-12	8.13E-15	1.96E-13	1.08391E-14	2.15326E-13	4.339E-09	3.2625E-06	4.46116E-07	1.36943E-12	3.28663E-14	6.83525E-13	5.4682E-15
299	570390.6	4178279	0.55, 41782	0.13757	0.10016	0.13084	86.03589	24.80698	96.47388	11.74551	4.00404	13.13274	4.84E-09	3.57E-06	4.86E-07	1.49E-12	4.51E-12	3.56E-12	9.07E-15	2.19E-13	1.20944E-14	2.40264E-13	4.841E-09	3.5693E-06	4.85958E-07	1.52803E-12	3.66727E-14	7.62688E-13	6.1015E-15
300	570430.6	4178279	0.55, 41782	0.15607	0.11514	0.14747	96.31741	27.84204	100.58043	12.03968	4.46456	13.6645	5.46E-09	3.72E-06	5.06E-07	1.68E-12	5.08E-12	4.02E-12	1.02E-14	2.47E-13	1.36317E-14	2.70803E-13	5.457E-09	3.7213E-06	5.05633E-07	1.72225E-12	4.1334E-14	8.5963E-13	6.87704E-15
301	570470.6	4178279	0.55, 41782	0.17907	0.13378	0.16835	120.52086	33.01708	119.41006	15.06511	5.41696	14.92626	6.23E-09	4.42E-06	5.52E-07	1.92E-12	5.8E-12	4.58E-12	1.17E-14	2.82E-13	1.55618E-14	3.09147E-13	6.229E-09	4.4179E-06	5.52342E-07	1.96611E-12	4.71866E-14	9.81347E-13	7.85078E-15
302	570510.6	4178279	0.55, 41782	0.20795	0.15724	0.19497	141.57577	37.85068	153.41811	17.69697	6.30845	19.17726	7.21E-09	5.68E-06	7.1E-07	2.23E-12	6.72E-12	5.31E-12	1.35E-14	3.26E-13	1.80226E-14	3.58031E-13	7.214E-09	5.6761E-06	7.09632E-07	2.277E-12	5.4648E-14	1.13652E-12	9.09219E-15
303	570550.6	4178279	0.55, 41782	0.24435	0.18714	0.22876	153.17347	42.50173	177.88461	19.14668	7.08362	22.23558	8.46E-09	6.58E-06	8.23E-07	2.61E-12	7.89E-12	6.23E-12	1.59E-14	3.83E-13	2.11461E-14	4.20082E-13	8.465E-09	6.5813E-06	8.22788E-07	2.67163E-12	6.41192E-14	1.3335E-12	1.0668E-14
304	570590.6	4178279	0.55, 41782	0.28993	0.22577	0.27077	157.86485	46.41285	177.78268	19.73311	7.73548	22.22284	1E-08	6.58E-06	8.22E-07	3.09E-12	9.34E-12	7.37E-12	1.88E-14	4.53E-13	2.50295E-14	4.97229E-13	1.002E-08	6.5776E-06	8.22322E-07	3.16227E-12	7.58945E-14	1.57839E-12	1.26271E-14
305	570630.6	4178279	0.55, 41782	0.34541	0.27631	0.32199	169.89337	50.77009	212.69617	21.23667	9.57894	26.58702	1.19E-08	7.87E-06	9.84E-07	3.68E-12	1.11E-11	8.77E-12	2.23E-14	5.39E-13	2.97644E-14	5.91291E-13	1.191E-08	7.8692E-06	9.83788E-07	3.76048E-12	9.02516E-14	1.87698E-12	1.50158E-14
306	570670.6	4178279	0.55, 41782	0.40869	0.34273	0.38328	189.16159	55.36754	226.13934	23.6452	11.64813	28.26742	1.42E-08	8.37E-06	1.05E-06	4.38E-12	1.32E-11	1.04E-11	2.66E-14	6.42E-13	3.54303E-14	7.03848E-13	1.418E-08	8.3666E-06	1.04598E-06	4.47632E-12	1.07432E-13	2.23427E-12	1.78742E-14
307	570710.6	4178279	0.55, 41782	0.47241	0.42944	0.45188	202.37611	59.97812	249.97635	25.29701	13.4468	31.24704	1.67E-08	9.25E-06	1.16E-06	5.16E-12	1.56E-11	1.23E-11	3.13E-14	7.57E-13	4.17722E-14	8.29834E-13	1.672E-08	9.2485E-06	1.15622E-06	5.27757E-12	1.26662E-13	2.6342E-12	2.10736E-14
308	570750.6	4178279	0.55, 41782	0.52143	0.53099	0.51003	207.36077	66.44988	280.46815	28.38204	16.35494	35.05852	1.89E-08	1.04E-05	1.3E-06	5.82E-12	1.76E-11	1.39E-11	3.54E-14	8.54E-13	4.71487E-14	9.36642E-13	1.887E-08	1.0377E-05	1.29726E-06	5.95684E-12	1.42964E-13	2.97325E-12	2.3786E-14
309	570790.6	4178279	0.55, 41782	0.56782	0.69623	0.54766	217.33897	75.80804	318.83899	33.24185	20.36018	42.96761	2.03E-08	1.18E-05	1.59E-06	6.25E-12	1.89E-11	1.49E-11	3.8E-14	9.17E-13	5.06302E-14	1.0058E-12	2.027E-08	1.1796E-05	1.5899E-06	6.3967E-12	1.53521E-13	3.1928E-12	2.55424E-14
310	570830.6	4178279	0.55, 41782	0.62461	0.91706	0.58168	236.67869	94.57659	403.572	34.09074	24.90976	60.93237	2.15E-08	1.49E-05	2.25E-06	6.64E-12	2.01E-11	1.58E-11	4.03E-14	9.74E-13	5.37794E-14	1.06837E-12	2.153E-08	1.4931E-05	2.25451E-06	6.79457E-12	1.6307E-13	3.39139E-12	2.71311E-14
311	570870.6	4178279	0.55, 41782	0.74364	1.27032	0.64347	232.57719	121.10786	430.4482	38.76287	29.17824	53.80602	2.38E-08	1.59E-05	1.99E-06	7.35E-12	2.22E-11	1.75E-11	4.46E-14	1.08E-12	5.94982E-14	1.18197E-12	2.382E-08	1.5926E-05	1.99092E-06	7.51709E-12	1.8041E-13	3.75202E-12	3.00162E-14
312	570910.6	4178279	0.55, 41782	0.98087	1.94043	0.78377	289.58181	139.00222	423.1545	48.26363	45.30681	59.61258	2.9E-08	1.57E-05	2.21E-06	8.95E-12	2.7E-11	2.14E-11	5.44E-14	1.31E-12	7.24801E-14	1.43987E-12	2.901E-08	1.5656E-05	2.20582E-06	9.15725E-12	2.19774E-13	4.57068E-12	3.65654E-14
313	570950.6	4178279	0.55, 41782	1.54705	3.33468	1.05206	380.89662	209.14004	464.4183	63.48277	60.99964	77.40305	3.9E-08	1.72E-05	2.86E-06	1.2E-11	3.63E-11	2.87E-11	7.3E-14	1.76E-12	9.73078E-14	1.93309E-12	3.895E-08	1.7183E-05	2.86413E-06	1.2294E-11	2.95056E-13	6.13634E-12	4.90907E-14
314	571150.6	4178279	0.55, 41782	125.5821	15.27099	61.53709	2183.625	235.47088	4321.7852	1020.3296	115.3363	966.08792	2.28E-06	0.00016	3.58E-05	7.03E-10	2.12E-09	1.68E-09	4.27E-12	1.03E-10	5.68772E-12	1.12991E-10	2.277E-06	0.00015989	3.57503E-05	7.18595E-10	1.72463E-11	3.58674E-10	2.86939E-12
315	571190.6	4178279	0.55, 41782	19.14498	7.50998	20.68123	704.1647	157.76938	1300.13062	186.41477	61.8786	262.75525	7.65E-07	4.81E-05	9.72E-06	2.36E-10	7.13E-10	5.63E-10	1.43E-12	3.46E-11	1.91151E-12	3.79735E-11	7.652E-07	4.81E-05	9.72238E-06	2.41503E-10	5.79607E-12	1.20542E-10	9.64335E-13
316	571230.6	4178279	0.55, 41782	9.41744	4.44398	9.68706	418.2482	120.63814	710.71948	87.01567	39.51148	138.35634	3.58E-07	2.63E-05	5.12E-06	1.11E-10	3.34E-10	2.64E-10	6.72E-13	1.62E-11	8.9537E-13	1.77872E-11	3.584E-07	2.6294E-05	5.1193E-06	1.13123E-10	2.71494E-12	5.64631E-11	4.51705E-13
317	571270.6	4178279	0.55, 41782	5.33507	3.02277	5.65407	265.61255	99.06709	486.13138	58.88721	29.56115	89.94232	2.09E-07	1.8E-05	3.33E-06	6.46E-11	1.95E-10	1.54E-10	3.92E-13	9.47E-12	5.22612E-13	1.03821E-11	2.092E-07	1.7985E-05	3.32796E-06	6.60277E-11	1.58466E-12	3.29565E-11	2.63652E-13
318	571310.6	4178279	0.55, 41782	3.44949	2.20529	3.73581	197.38222	83.78037	349.19747	42.40574	23.44903	62.97539	1.38E-07	1.29E-05	2.33E-06	4.27E-11	1.29E-10	1.02E-10	2.59E-13	6.26E-12	3.4531E-13	6.85982E-12	1.382E-07	1.2919E-05	2.33017E-06	4.3627E-11	1.04705E-12	2.17756E-11	1.74205E-13
319	571350.6	4178279	0.55, 41782	2.42474	1.67304	2.63741	164.77993	74.08708	262.11907	31.82391	19.20475	45.98547	9.76E-08	9.7E-06	1.7E-06	3.01E-11	9.09E-11	7.18E-11	1.83E-13	4.42E-12	2.43785E-13	4.84296E-12	9.759E-08	9.6978E-06	1.70153E-06	3.08002E-11	7.39204E-13	1.53733E-11	1.22987E-13
320	571390.6	4178279	0.55, 41782	1.80332	1.30805	1.94946	139.62437	66.18564	204.22507	24.75802	16.07748	34.84377	7.21E-08	7.56E-06	1.29E-06	2.23E-11	6.72E-11	5.31E-11	1.35E-13	3.26E-12	1.80197E-13	3.57974E-12	7.213E-08	7.5559E-06	1.28928E-06	2.27664E-11	5.46393E-13	1.13634E-11	9.09073E-14
321	571430.6	4178279	0.55, 41782	1.38872	1.04688	1.49158	120.07885	59.47148	164.54693	19.78612	13.66223	27.17412	5.52E-08	6.09E-06	1.01E-06	1.7E-11	5.14E-11	4.06E-11	1.03E-13	2.5E-12	1.37874E-13	2.73897E-12	5.519E-08	6.088E-06	1.00549E-06	1.74192E-11	4.18062E-13	8.6945E-12	6.9556E-14
322	571470.6	4178279	0.55, 41782	1.11171	0.86066	1.18684	104.95004	53.66694	136.91558	16.34545	11.81303	21.87493	4.39E-08	5.07E-06	8.09E-07	1.36E-11	4.09E-11	3.23E-11	8.23E-14	1.99E-12	1.09706E-13	2.17939E-12	4.392E-08	5.0657E-06	8.09417E-07	1.38605E-11	3.32651E-13	6.91819E-12	5.53456E-14
323	571510.6	4178279	0.55, 41782	0.90331	0.71725	0.95952	92.95227	48.50847	116.77816	13.70064	10.27697	17.93941	3.55E-08	4.32E-06	6.64E-07	1.1E-11	3.31E-11	2.61E-11	6.65E-14	1.61E-12	8.86942E-14	1.76197E-12	3.55E-08	4.3207E-06	6.63798E-07	1.12058E-11	2.68938E-13	5.59316E-12	4.47453E-14
324	571550.6	4178279	0.55, 41782	0.74685	0.60641	0.79002	83.35854	43.88956	102.16829	11.6678	9.00306	14.97338	2.92E-08	3.78E-06	5.54E-07	9.02E-12	2.72E-11	2.15E-11	5.48E-14	1.32E-12	7.30267E-14	1.45073E-12	2.923E-08	3.7801E-06	5.5405E-07	9.22631E-12	2.21431E-13	4.60514E-12	3.68412E-14
325	571590.6	4178279	0.55, 41782	0.63093	0.52161	0.66513	75.57295	41.1264	91.05382	10.11638	7.96472	12.7323	2.46E-08	3.37E-06	4.71E-07	7.59E-12	2.29E-11	1.81E-11	4.61E-14	1.11E-12	6.14825E-14	1.22139E-12	2.461E-08	3.3689E-06	4.71127E-07	7.7678E-12	1.86427E-13	3.87716E-12	3.10173E-14
326	570310.6	4178319	0.55, 41783	0.1112	0.07908	0.10686	65.67409	25.12162	71.57917	10.72274	3.92383	11.92986	3.95E-09	2.65E-06	4.41E-07	1.22E-12	3.68E-12	2.91E-12	7.41E-15	1.79E-13	9.87772E-15	1.96228E-13	3.954E-09	2.6483E-06	4.41448E-07	1.24797E-12	2.99512E-14	6.229E-13	4.9832E-15
327	570350.6	4178319	0.55, 41783	0.12381	0.08915	0.11863	72.99363	26.3644	78.028	10.96785	4.13077	12.26515	4.39E-09	2.89E-06	4.54E-07	1.35E-12	4.09E-12	3.23E-12	8.22E-15	1.99E-13	1.09657E-14	2.17842E-13	4.39E-09	2.8869E-06	4.53854E-07	1.38543E-12	3.32503E-14	6.91511E-13	5.53209E-15
328	570390.6	4178319	0.55, 41783	0.13907	0.1015	0.13256	85.61577	27.73961	87.79758	11.84211	4.3586	12.34233	4.91E-09	3.25E-06	4.57E-07	1.51E-12	4.57E-12	3.61E-12	9.19E-15	2.22E-13	1.22534E-14	2.43423E-13	4.905E-09	3.2484E-06	4.56718E-07	1.54812E-12	3.71548E-14	7.72714E-13	6.18171E-15
329	570430.6	4178319	0.55, 41783	0.15783	0.11689	0.14946	97.99246	29.27563	105.83642	13.47747	4.61214	14.5399	5.53E-09	3.92E-06	5.38E-07	1.71E-12	5.15E-12	4.07E-12	1.04E-14	2.5E-13	1.38157E-14	2.74458E-13	5.53E-09	3.9157E-06	5.38032E-07	1.74549E-12	4.18918E-14	8.71231E-13	6.96984E-15
330	570470.6	4178319	0.55, 41783	0.18134	0.13633	0.17027	108.90086	31.01454	122.78	14.92794	4.89871	16.74752	6.3E-09	4.54E-06	6.2E-07	1.94E-12	5.87E-12	4.64E-12	1.18E-14	2.85E-13	1.57393E-14	3.12673E-13	6.3E-09	4.5426E-06	6.19717E-07	1.98853E-12	4.77248E-14	9.92541E-13	7.94033E-15
331	570510.6	4178319	0.55, 41783	0.21129	0.16124	0.19656	118.40452	33.29424	135.32696	15.9306	5.40834	18.39398	7.27E-09	5.01E-06	6.81E-07	2.24E-12	6.78E-12	5.35E-12	1.36E-14	3.29E-13	1.81696E-14	3.60952E-13	7.273E-09	5.0068E-06	6.80637E-07	2.29558E-12	5.50939E-14	1.1458E-12	9.16637E-15
332	570550.6	4178319	0.55, 41783	0.2503	0.19368	0.23096	153.9338	39.94632	153.89508	19.24172	6.62991	19.23689	8.55E-09	5.69E-06	7.12E-07	2.64E-12	7.96E-12	6.29E-12	1.6E-14	3.87E-13	2.13496E-14	4.24125E-13	8.546E-09	5.6938E-06	7.11854E-07	2.69734E-12	6.47362E-14	1.34633E-12	1.07706E-14
333	570590.6	4178319	0.55, 41783	0.30196	0.23671	0.27701	186.54438	46.61587	209.37606	23.31805	7.76931	26.17201	1.03E-08	7.75E-06	9.68E-07	3.16E-12	9.55E-12	7.54E-12	1.92E-14	4.64E-13	2.56065E-14	5.08691E-13	1.025E-08	7.7464E-06	9.68456E-07	3.23516E-12	7.76439E-14	1.61477E-12	1.29182E-14
334	570630.6	4178319	0.55, 41783	0.37105	0.29503	0.3391	205.0145	52.79857	247.59232	25.62681	8.79976	30.94904	1.25E-08	9.16E-06	1.15E-06	3.87E-12	1.17E-11	9.23E-12	2.35E-14	5.68E-13	3.13461E-14	6.22713E-13	1.255E-08	9.1602E-06	1.1452E-06	3.96032E-12	9.50477E-14	1.97672E-12	1.58138E-14
335	570670.6	4178319	0.55, 41783	0.462	0.37572	0.42024	218.45656	59.57781	273.51496	27.30707	11.98561	34.18937	1.56E-08	1.01E-05	1.27E-06	4.8E-12	1.45E-11	1.14E-11	2.91E-14	7.04E-13	3.88469E-14	7.71721E-13	1.555E-08	1.0119E-05	1.26509E-06	4.90798E-12	1.17791E-13	2.44973E-12	1.95978E-14
336	570710.6	4178319	0.55, 41783	0.57218	0.48827	0.5224	242.44958	66.62286	291.17197	30.3062	15.15553	36.3965	1.93E-08	1.08E-05	1.35E-06	5.97E-12	1.8E-11	1.42E-11	3.62E-14	8.75E-13	4.8291E-14	9.59335E-13	1.933E-08	1.0773E-05	1.34678E-06	6.10116E-12	1.46428E-13	3.04529E-12	2.43623E-14
337	570750.6	4178319	0.55, 41783	0.67767	0.63416	0.63666	262.41203	72.71034	341.04886	32.8015	17.84948	42.63111	2.36E-08	1.26E-05	1.58E-06	7.27E-12	2.2E-11	1.73E-11	4.41E-14	1.07E-12	5.88541E-14	1.16918E-12	2.356E-08	1.2618E-05	1.57745E-06	7.43573E-12	1.78457E-13	3.71141E-12	2.96913E-14
338	570790.6	4178319	0.55, 41783	0.76041	0.85502	0.73352	285.66779	86.45349	381.79277	42.9347	23.67926	50.68659	2.71E-08	1.41E-05	1.88E-06	8.38E-12	2.53E-11	2E-11	5.09E-14	1.23E-12	6.78109E-14	1.34711E-12	2.714E-08	1.4125E-05	1.87556E-06	8.56733E-12	2.05616E-13	4.27623E-12	3.42098E-14
339	570830.6	4178319	0.55, 41783	0.82107	1.23378	0.77266	302.59427	109.05103	424.78874	45.07728	29.79255	65.49858	2.86E-08	1.57E-05	2.42E-06	8.82E-12	2.66E-11	2.1E-11	5.36E-14	1.29E-12	7.14368E-14	1.41914E-12	2.86E-08	1.5716E-05	2.42354E-06	9.02544E-12	2.16611E-13	4.50489E-12	3.60391E-14
340	570870.6	4178319	0.55, 41783	0.93174	1.8881	0.81484	263.71888	150.69846	583.61	37.23183	42.82711	79.94464	3.02E-08	2.16E-05	2.96E-06	9.31E-12	2.81E-11	2.22E-11	5.65E-14	1.37E-12	7.53502E-14	1.49688E-12	3.016E-08	2.1592E-05	2.95789E-06	9.51986E-12	2.28477E-13	4.75167E-12	3.80133E-14
341	570910.6	4178319	0.55, 41783	1.19482	3.5981	0.94641	225.26352	195.84246	582.08496	37.31993	59.22953	72.76062	3.5E-08	2.15E-05	2.69E-06	1.08E-11	3.27E-11	2.58E-11	6.57E-14	1.59E-12	8.75491E-14	1.73922E-12	3.505E-08	2.1536E-05	2.69212E-06	1.10611E-11	2.65466E-13	5.52094E-12	4.41675E-14
342	571190.6	4178319	0.55, 41783	29.13102	9.74239	24.19825	1204.46355	192.40018	1781.17361	337.10397	86.14095	400.692	8.95E-07	6.59E-05	1.48E-05	2.76E-10	8.34E-10	6.59E-10	1.68E-12	4.05E-11	2.23662E-12	4.4432E-11	8.953E-07	6.5897E-05	1.48268E-05	2.82578E-10	6.78186E-12	1.41044E-10	1.12835E-12
343	571230.6	4178319	0.55, 41783	10.45163	5.25398	11.58574	479.33008	117.37647	725.29291	126.19986	44.06446	185.38424	4.29E-07	2.68E-05	6.86E-06	1.32E-10	3.99E-10	3.15E-10	8.03E-13	1.94E-11	1.07086E-12	2.12734E-11	4.287E-07	2.6833E-05	6.85947E-06	1.35294E-10	3.24706E-12	6.75297E-11	5.40238E-13
344	571270.6	4178319	0.55, 41783	5.72808	3.4301	6.64009	292.22118	96.9874	479.91721	63.79547	33.00222	105.59121	2.46E-07	1.78E-05	3.91E-06	7.58E-11	2.29E-10	1.81E-10	4.6E-13	1.11E-11	6.13747E-13	1.21925E-11	2.457E-07	1.7755E-05	3.90694E-06	7.75418E-11	1.861E-12	3.87036E-11	3.09629E-13
345	571310.6	4178319	0.55, 41783	3.67711	2.43151	4.23514	175.48484	83.52768	339.71763	43.52526	25.92364	69.01312	1.57E-07	1.26E-05	2.55E-06	4.84E-11	1.46E-10	1.15E-10	2.94E-13	7.09E-12	3.91462E-13	7.77667E-12	1.567E-07	1.2569E-05	2.55354E-06	4.94579E-11	1.18699E-12	2.4686E-11	1.97488E-13
346	571350.6	4178319	0.55, 41783	2.57847	1.81872	2.91777	135.74456	73.58424	245.66728	31.86463	21.08438	47.561	1.08E-07	9.09E-06	1.76E-06	3.33E-11	1.01E-10	7.95E-11	2.02E-13	4.89E-12	2.69698E-13	5.35775E-12	1.08E-07	9.0891E-06	1.75982E-06	3.40741E-11	8.17779E-13	1.70075E-11	1.3606E-13
347	571390.6	4178319	0.55, 41783	1.91038	1.41202	2.12389	114.67965	65.84745	189.40245	24.95277	17.54375	35.6451	7.86E-08	7.01E-06	1.32E-06	2.43E-11	7.32E-11	5.78E-11	1.47E-13	3.56E-12	1.9632E-13	3.90003E-12	7.859E-08	7.0076E-06	1.31892E-06	2.48033E-11	5.9528E-13	1.23801E-11	9.90411E-14
348	571430.6	4178319	0.55, 41783	1.47151	1.12853	1.61377	100.57811	59.61061	161.57422	20.18585	14.84739	27.57311	5.97E-08	5.98E-06	1.02E-06	1.84E-11	5.56E-11	4.39E-11	1.12E-13	2.7E-12	1.49169E-13	2.96334E-12	5.971E-08	5.978E-06	1.02026E-06	1.88462E-11	4.52309E-13	9.40674E-12	7.52539E-14
349	571470.6	4178319	0.55, 41783	1.16585	0.92218	1.2649	90.09229	54.43044	139.38169	16.69193	12.71837	21.87498	4.68E-08	5.16E-06	8.09E-07	1.44E-11	4.36E-11	3.44E-11	8.77E-14	2.12E-12	1.16922E-13	2.32273E-12	4.68E-08	5.1569E-06	8.09422E-07	1.47721E-11	3.5453E-13	7.37322E-12	5.89857E-14
350	571510.6	4178319	0.55, 41783	0.94595	0.76805	1.01773	81.52103	50.05282	121.69	14.06823	11.00608	17.76049	3.77E-08	4.5E-06	6.57E-07	1.16E-11	3.51E-11	2.77E-11	7.06E-14	1.7E-12	9.40751E-14	1.86887E-12	3.766E-08	4.5024E-06	6.57182E-07	1.18856E-11	2.85254E-13	5.93248E-12	4.74598E-14
351	571550.6	4178319	0.55, 41783	0.78212	0.64956	0.83556	74.38547	46.28731	107.35752	12.02264	9.59923	14.66288	3.09E-08	3.97E-06	5.43E-07	9.54E-12	2.88E-11	2.28E-11	5.79E-14	1.4E-12	7.72364E-14	1.53436E-12	3.092E-08	3.9721E-06	5.42567E-07	9.75817E-12	2.34196E-13	4.87061E-12	3.89649E-14
352	571590.6	4178319	0.55, 41783	0.65442	0.55508	0.69496	68.29245	42.98116	95.34122	10.3334	8.40789	12.26582	2.57E-08	3.53E-06	4.54E-07	7.94E-12	2.4E-11	1.89E-11	4.82E-14	1.16E-12	6.42402E-14	1.27618E-12	2.572E-08	3.5276E-06	4.53872E-07	8.1162E-12	1.94789E-13	4.05106E-12	3.24085E-14
353	570310.6	4178359	0.55, 41783	0.11229	0.07993	0.10794	69.29068	26.58817	75.81746	11.54845	4.0095	12.46153	3.99E-09	2.81E-06	4.61E-07	1.23E-12	3.72E-12	2.94E-12	7.48E-15	1.81E-13	9.97756E-15	1.98211E-13	3.994E-09	2.8051E-06	4.61125E-07	1.26058E-12	3.02539E-14	6.29196E-13	5.03357E-15
354	570350.6	4178359	0.55, 41783	0.12531	0.09043	0.1201	75.30937	28.06345	82.61098	12.55156	4.25756	13.7685	4.44E-09	3.06E-06	5.09E-07	1.37E-12	4.14E-12	3.27E-12	8.33E-15	2.01E-13	1.11016E-14	2.20541E-13	4.444E-09	3.0565E-06	5.09486E-07	1.4026E-12	3.36623E-14	7.0008E-13	5.60064E-15
355	570390.6	4178359	0.55, 41783	0.14084	0.10296	0.13441	81.29058	29.71471	90.82388	13.54843	4.53386	15.13731	4.97E-09	3.36E-06	5.6E-07	1.53E-12	4.63E-12	3.66E-12	9.32E-15	2.25E-13	1.24244E-14	2.4682E-13	4.974E-09	3.3603E-06	5.60134E-07	1.56972E-12	3.76733E-14	7.83498E-13	6.26798E-15
356	570430.6	4178359	0.55, 41783	0.15989	0.11858	0.15186	87.11605	31.54887	98.44842	14.51934	4.83992	16.40807	5.62E-09	3.64E-06	6.07E-07	1.73E-12	5.24E-12	4.14E-12	1.05E-14	2.54E-13	1.40375E-14	2.78865E-13	5.619E-09	3.6424E-06	6.07155E-07	1.77352E-12	4.25645E-14	8.8522E-13	7.08176E-15
357	570470.6	4178359	0.55, 41783	0.18374	0.13844	0.17326	97.3598	33.59814	106.34308	15.36354	5.1813	17.51553	6.41E-09	3.93E-06	6.48E-07	1.98E-12	5.97E-12	4.72E-12	1.2E-14	2.9E-13	1.60157E-14	3.18164E-13	6.411E-09	3.9345E-06	6.48133E-07	2.02345E-12	4.85628E-14	1.00997E-12	8.07976E-15
358	570510.6	4178359	0.55, 41783	0.21432	0.16421	0.20002	118.04415	35.93263	125.3205	16.48105	5.5698	18.1537	7.4E-09	4.64E-06	6.72E-07	2.28E-12	6.9E-12	5.45E-12	1.39E-14	3.35E-13	1.84895E-14	3.67306E-13	7.401E-09	4.6366E-06	6.71754E-07	2.33599E-12	5.60637E-14	1.16597E-12	9.32773E-15
359	570550.6	4178359	0.55, 41783	0.25472	0.19842	0.23435	139.50155	38.63371	157.96544	19.4148	6.01971	21.81117	8.67E-09	5.84E-06	8.07E-07	2.68E-12	8.08E-12	6.38E-12	1.62E-14	3.92E-13	2.1663E-14	4.30351E-13	8.672E-09	5.8443E-06	8.07089E-07	2.73694E-12	6.56865E-14	1.36609E-12	1.09287E-14
360	570590.6	4178359	0.55, 41783	0.30979	0.24497	0.28017	159.83108	41.83842	190.36526	22.23989	6.84975	26.13545	1.04E-08	7.04E-06	9.67E-07	3.2E-12	9.66E-12	7.63E-12	1.94E-14	4.69E-13	2.58987E-14	5.14497E-13	1.037E-08	7.043E-06	9.67092E-07	3.27209E-12	7.85301E-14	1.6332E-12	1.30656E-14
361	570630.6	4178359	0.55, 41783	0.38734	0.31015	0.34391	206.43147	51.05257	211.21178	25.80393	8.50876	28.98998	1.27E-08	7.81E-06	1.07E-06	3.93E-12	1.19E-11	9.37E-12	2.38E-14	5.76E-13	3.17911E-14	6.31552E-13	1.273E-08	7.8143E-06	1.07273E-06	4.01653E-12	9.63968E-14	2.00478E-12	1.60382E-14
362	570670.6	4178359	0.55, 41783	0.50063	0.40488	0.43681	262.98595	60.70684	312.78941	32.87324	10.74505	39.09868	1.62E-08	1.16E-05	1.45E-06	4.99E-12	1.51E-11	1.19E-11	3.03E-14	7.31E-13	4.0379E-14	8.02157E-13	1.616E-08	1.1572E-05	1.44677E-06	5.10155E-12	1.22437E-13	2.54635E-12	2.03708E-14
363	570710.6	4178359	0.55, 41783	0.66972	0.54814	0.57453	304.17814	72.14807	380.66102	38.02227	15.71205	47.58263	2.13E-08	1.41E-05	1.76E-06	6.56E-12	1.98E-11	1.56E-11	3.98E-14	9.62E-13	5.31103E-14	1.05507E-12	2.126E-08	1.4083E-05	1.76068E-06	6.71004E-12	1.61041E-13	3.3492E-12	2.67936E-14
364	570750.6	4178359	0.55, 41783	0.90523	0.76876	0.77041	339.35657	85.82023	445.46467	44.72327	21.31802	55.68308	2.85E-08	1.65E-05	2.06E-06	8.8E-12	2.66E-11	2.1E-11	5.34E-14	1.29E-12	7.12185E-14	1.41481E-12	2.851E-08	1.6481E-05	2.06042E-06	8.99786E-12	2.15949E-13	4.49112E-12	3.5929E-14
365	570790.6	4178359	0.55, 41783	1.13154	1.06104	0.98839	377.53193	96.31599	507.3356	54.94081	27.90141	63.41695	3.66E-08	1.88E-05	2.35E-06	1.13E-11	3.41E-11	2.69E-11	6.85E-14	1.66E-12	9.13707E-14	1.81514E-12	3.658E-08	1.877E-05	2.34663E-06	1.15439E-11	2.77054E-13	5.76194E-12	4.60955E-14
366	570830.6	4178359	0.55, 41783	1.33226	1.74963	1.18947	411.58415	139.14147	649.42864	69.46909	37.35577	97.59965	4.4E-08	2.4E-05	3.61E-06	1.36E-11	4.1E-11	3.24E-11	8.25E-14	1.99E-12	1.0997E-13	2.18463E-12	4.402E-08	2.4027E-05	3.61135E-06	1.38938E-11	3.33451E-13	6.93484E-12	5.54787E-14
367	570870.6	4178359	0.55, 41783	1.45984	3.38436	1.19217	346.78431	184.49712	847.26971	52.43952	61.49528	124.03925	4.41E-08	3.13E-05	4.59E-06	1.36E-11	4.11E-11	3.25E-11	8.27E-14	2E-12	1.10257E-13	2.19034E-12	4.414E-08	3.1346E-05	4.5893E-06	1.39301E-11	3.34322E-13	6.95294E-12	5.56235E-14
368	571150.6	4178359	0.55, 41783	17.36196	17.82412	10.70274	1537.79423	258.8776	2153.28101	350.34789	128.93656	372.67701	3.96E-07	7.97E-05	1.38E-05	1.22E-10	3.69E-10	2.92E-10	7.42E-13	1.79E-11	9.89562E-13	1.96583E-11	3.961E-07	7.9663E-05	1.37905E-05	1.25023E-10	3.00055E-12	6.24029E-11	4.99223E-13
369	571190.6	4178359	0.55, 41783	10.35157	8.16971	8.42586	590.93034	162.31709	1380.32388	161.82999	76.08872	218.22557	3.12E-07	5.11E-05	8.07E-06	9.62E-11	2.91E-10	2.29E-10	5.84E-13	1.41E-11	7.78902E-13	1.54734E-11	3.118E-07	5.1066E-05	8.07478E-06	9.84077E-11	2.36179E-12	4.91184E-11	3.92947E-13
370	571230.6	4178359	0.55, 41783	6.41954	4.85697	6.11014	429.96716	118.18476	649.38165	103.83364	47.29307	136.54892	2.26E-07	2.4E-05	5.05E-06	6.98E-11	2.11E-10	1.66E-10	4.24E-13	1.02E-11	5.64805E-13	1.12203E-11	2.261E-07	2.4025E-05	5.05261E-06	7.13584E-11	1.7126E-12	3.56173E-11	2.84938E-13
371	571270.6	4178359	0.55, 41783	4.24607	3.28764	4.46672	330.34534	97.41521	669.03251	71.25122	30.79427	101.30501	1.65E-07	2.48E-05	3.75E-06	5.1E-11	1.54E-10	1.22E-10	3.1E-13	7.48E-12	4.12885E-13	8.20225E-12	1.653E-07	2.4752E-05	3.74845E-06	5.21645E-11	1.25195E-12	2.6037E-11	2.08296E-13
372	571310.6	4178359	0.55, 41783	3.01802	2.39332	3.29044	280.32399	84.30249	476.5001	47.38187	23.6076	69.83839	1.22E-07	1.76E-05	2.58E-06	3.76E-11	1.13E-10	8.96E-11	2.28E-13	5.51E-12	3.04154E-13	6.04222E-12	1.218E-07	1.7629E-05	2.58411E-06	3.84272E-11	9.22254E-13	1.91803E-11	1.53442E-13
373	571350.6	4178359	0.55, 41783	2.25439	1.82521	2.47896	223.1696	75.03337	276.07803	32.74083	19.24184	47.29925	9.17E-08	1.02E-05	1.75E-06	2.83E-11	8.55E-11	6.75E-11	1.72E-13	4.15E-12	2.29144E-13	4.55211E-12	9.173E-08	1.0214E-05	1.75014E-06	2.89505E-11	6.94811E-13	1.44501E-11	1.15601E-13
374	571390.6	4178359	0.55, 41783	1.7395	1.43625	1.90839	164.0034	68.00709	177.73654	25.39154	16.17569	38.72375	7.06E-08	6.58E-06	1.43E-06	2.18E-11	6.58E-11	5.2E-11	1.32E-13	3.2E-12	1.76404E-13	3.50439E-12	7.061E-08	6.5761E-06	1.43282E-06	2.22872E-11	5.34892E-13	1.11242E-11	8.89939E-14
375	571430.6	4178359	0.55, 41783	1.37666	1.15767	1.50113	113.66708	62.41604	162.05892	21.33563	13.79366	30.03325	5.55E-08	6E-06	1.11E-06	1.71E-11	5.18E-11	4.09E-11	1.04E-13	2.51E-12	1.38759E-13	2.75655E-12	5.555E-08	5.996E-06	1.11128E-06	1.75311E-11	4.20745E-13	8.75031E-12	7.00025E-14
376	571470.6	4178359	0.55, 41783	1.11313	0.95193	1.20554	91.64258	57.80687	139.39839	17.74486	11.89568	22.85385	4.46E-08	5.16E-06	8.46E-07	1.38E-11	4.16E-11	3.28E-11	8.36E-14	2.02E-12	1.11436E-13	2.21376E-12	4.461E-08	5.1576E-06	8.45646E-07	1.40791E-11	3.37897E-13	7.02731E-12	5.62185E-14
377	571510.6	4178359	0.55, 41783	0.9166	0.79605	0.98663	82.11168	53.90312	116.32041	14.64829	10.35284	20.08654	3.65E-08	4.3E-06	7.43E-07	1.13E-11	3.4E-11	2.69E-11	6.84E-14	1.65E-12	9.12015E-14	1.81178E-12	3.651E-08	4.3038E-06	7.43239E-07	1.15225E-11	2.76541E-13	5.75127E-12	4.60101E-14
378	571550.6	4178359	0.55, 41783	0.76622	0.67498	0.82026	72.9064	50.52239	102.58687	12.13868	9.07968	17.28494	3.04E-08	3.8E-06	6.4E-07	9.37E-12	2.83E-11	2.23E-11	5.69E-14	1.37E-12	7.5823E-14	1.50628E-12	3.035E-08	3.7957E-06	6.3957E-07	9.5796E-12	2.2991E-13	4.78148E-12	3.82519E-14
379	571590.6	4178359	0.55, 41783	0.64386	0.57575	0.68602	65.94968	47.48497	92.44167	10.99161	8.00686	15.40694	2.54E-08	3.42E-06	5.7E-07	7.83E-12	2.37E-11	1.87E-11	4.76E-14	1.15E-12	6.34144E-14	1.25977E-12	2.538E-08	3.4203E-06	5.70083E-07	8.01188E-12	1.92285E-13	3.99898E-12	3.19919E-14
380	570310.6	4178399	0.55, 41783	0.11287	0.08031	0.1093	71.34246	27.87564	79.43468	11.89041	3.82503	13.23911	4.04E-09	2.94E-06	4.9E-07	1.25E-12	3.77E-12	2.98E-12	7.58E-15	1.83E-13	1.01033E-14	2.00708E-13	4.044E-09	2.939E-06	4.89894E-07	1.27646E-12	3.06351E-14	6.37122E-13	5.09698E-15
381	570350.6	4178399	0.55, 41783	0.12665	0.09175	0.12214	75.96419	29.57043	83.22909	12.46202	4.12173	13.80548	4.52E-09	3.08E-06	5.11E-07	1.39E-12	4.21E-12	3.33E-12	8.47E-15	2.05E-13	1.12902E-14	2.24287E-13	4.519E-09	3.0794E-06	5.10853E-07	1.42642E-12	3.42341E-14	7.11971E-13	5.69577E-15
382	570390.6	4178399	0.55, 41783	0.1425	0.10434	0.13672	83.29233	31.439	92.96873	13.04897	4.44958	14.404	5.06E-09	3.44E-06	5.33E-07	1.56E-12	4.71E-12	3.72E-12	9.48E-15	2.29E-13	1.26379E-14	2.51062E-13	5.059E-09	3.4397E-06	5.33001E-07	1.5967E-12	3.83207E-14	7.96963E-13	6.3757E-15
383	570430.6	4178399	0.55, 41783	0.16211	0.12032	0.15453	91.32735	33.521	103.76057	14.59534	4.81492	15.65812	5.72E-09	3.84E-06	5.79E-07	1.76E-12	5.33E-12	4.21E-12	1.07E-14	2.59E-13	1.42843E-14	2.83768E-13	5.718E-09	3.839E-06	5.79412E-07	1.8047E-12	4.33128E-14	9.00784E-13	7.20627E-15
384	570470.6	4178399	0.55, 41783	0.18668	0.14051	0.17655	100.43451	35.89015	115.76296	16.57018	5.22899	18.35818	6.53E-09	4.28E-06	6.79E-07	2.02E-12	6.09E-12	4.81E-12	1.22E-14	2.96E-13	1.63198E-14	3.24205E-13	6.533E-09	4.283E-06	6.79319E-07	2.06187E-12	4.9485E-14	1.02915E-12	8.23317E-15
385	570510.6	4178399	0.55, 41783	0.21834	0.16684	0.20421	112.76596	38.62084	128.93318	18.79433	5.70408	21.48886	7.56E-09	4.77E-06	7.95E-07	2.33E-12	7.04E-12	5.56E-12	1.42E-14	3.42E-13	1.88768E-14	3.75E-13	7.556E-09	4.7703E-06	7.95159E-07	2.38492E-12	5.72381E-14	1.19039E-12	9.52311E-15
386	570550.6	4178399	0.55, 41783	0.26039	0.20212	0.2399	127.75395	41.82578	149.79254	21.29232	6.25899	24.96542	8.88E-09	5.54E-06	9.24E-07	2.74E-12	8.27E-12	6.53E-12	1.66E-14	4.02E-13	2.2176E-14	4.40542E-13	8.877E-09	5.542E-06	9.23798E-07	2.80175E-12	6.72421E-14	1.39844E-12	1.11876E-14
387	570590.6	4178399	0.55, 41783	0.3185	0.25095	0.28739	144.10526	45.67081	172.10131	24.01754	7.17597	28.68355	1.06E-08	6.37E-06	1.06E-06	3.28E-12	9.91E-12	7.83E-12	1.99E-14	4.81E-13	2.65661E-14	5.27755E-13	1.063E-08	6.3674E-06	1.06138E-06	3.35641E-12	8.05538E-14	1.67529E-12	1.34023E-14
388	570630.6	4178399	0.55, 41783	0.40291	0.32135	0.35272	177.65061	50.39519	203.06539	27.05917	8.74903	32.05961	1.31E-08	7.51E-06	1.19E-06	4.03E-12	1.22E-11	9.61E-12	2.45E-14	5.91E-13	3.26055E-14	6.47732E-13	1.305E-08	7.5129E-06	1.1863E-06	4.11944E-12	9.88664E-14	2.05614E-12	1.64491E-14
389	570670.6	4178399	0.55, 41783	0.53348	0.4284	0.44753	224.79663	56.41372	278.51402	32.60934	10.76331	39.25369	1.66E-08	1.03E-05	1.45E-06	5.11E-12	1.54E-11	1.22E-11	3.1E-14	7.49E-13	4.13703E-14	8.21851E-13	1.656E-08	1.0304E-05	1.4525E-06	5.22679E-12	1.25443E-13	2.60886E-12	2.08709E-14
390	570710.6	4178399	0.55, 41783	0.75271	0.60288	0.59636	297.96202	70.92072	361.49768	41.13122	14.0152	50.83456	2.21E-08	1.34E-05	1.88E-06	6.81E-12	2.06E-11	1.62E-11	4.13E-14	9.99E-13	5.51292E-14	1.09518E-12	2.207E-08	1.3374E-05	1.88101E-06	6.96511E-12	1.67163E-13	3.47651E-12	2.78121E-14
391	570750.6	4178399	0.55, 41783	1.15447	0.90762	0.85203	416.42427	90.04322	551.74774	52.05303	22.1169	68.96847	3.15E-08	2.04E-05	2.55E-06	9.73E-12	2.94E-11	2.32E-11	5.91E-14	1.43E-12	7.87654E-14	1.56473E-12	3.153E-08	2.0413E-05	2.55198E-06	9.95134E-12	2.38832E-13	4.96703E-12	3.97363E-14
392	570790.6	4178399	0.55, 41783	1.70092	1.35462	1.23288	632.44551	121.09647	736.15706	79.05569	31.00919	92.01963	4.56E-08	2.72E-05	3.41E-06	1.41E-11	4.25E-11	3.36E-11	8.55E-14	2.06E-12	1.13974E-13	2.26417E-12	4.562E-08	2.7235E-05	3.40502E-06	1.43996E-11	3.45591E-13	7.18732E-12	5.74985E-14
393	570830.6	4178399	0.55, 41783	3.46088	2.976	2.05541	854.46592	185.76652	929.26678	157.19416	64.23703	133.05669	7.61E-08	3.44E-05	4.92E-06	2.35E-11	7.09E-11	5.6E-11	1.43E-13	3.44E-12	1.90031E-13	3.77509E-12	7.607E-08	3.438E-05	4.92396E-06	2.40088E-11	5.76211E-13	1.19835E-11	9.58684E-14
394	571110.6	4178399	0.55, 41783	4.7766	17.70794	5.53677	386.44752	237.89657	1139.86397	91.74551	117.26543	182.49582	2.05E-07	4.22E-05	6.75E-06	6.33E-11	1.91E-10	1.51E-10	3.84E-13	9.28E-12	5.12105E-13	1.01733E-11	2.05E-07	4.2171E-05	6.75226E-06	6.47002E-11	1.5528E-12	3.22939E-11	2.58351E-13
395	571150.6	4178399	0.55, 41783	4.75682	9.04164	4.75414	493.27775	194.83019	977.82769	91.47407	80.27894	179.74579	1.76E-07	3.62E-05	6.65E-06	5.43E-11	1.64E-10	1.3E-10	3.3E-13	7.96E-12	4.3958E-13	8.73256E-12	1.76E-07	3.6176E-05	6.65053E-06	5.55372E-11	1.33289E-12	2.77204E-11	2.21763E-13
396	571190.6	4178399	0.55, 41783	4.13591	5.67532	3.9763	541.83424	159.29594	784.3481	82.25115	55.55038	130.43816	1.47E-07	2.9E-05	4.83E-06	4.54E-11	1.37E-10	1.08E-10	2.76E-13	6.66E-12	3.67616E-13	7.30295E-12	1.472E-07	2.9019E-05	4.82632E-06	4.64452E-11	1.11468E-12	2.31823E-11	1.85458E-13
397	571230.6	4178399	0.55, 41783	3.34043	3.91116	3.41587	419.25179	113.41297	723.05548	67.92735	42.50701	103.29364	1.26E-07	2.68E-05	3.82E-06	3.9E-11	1.18E-10	9.3E-11	2.37E-13	5.72E-12	3.15781E-13	6.27321E-12	1.264E-07	2.6751E-05	3.82198E-06	3.98962E-11	9.5751E-13	1.99135E-11	1.59308E-13
398	571270.6	4178399	0.55, 41783	2.69096	2.84934	2.72459	276.99568	96.24025	620.23738	46.4546	32.10306	94.16047	1.01E-07	2.29E-05	3.48E-06	3.11E-11	9.39E-11	7.42E-11	1.89E-13	4.56E-12	2.51869E-13	5.00356E-12	1.008E-07	2.2947E-05	3.48389E-06	3.18215E-11	7.63717E-13	1.58832E-11	1.27065E-13
399	571310.6	4178399	0.55, 41783	2.15304	2.16763	2.23142	240.01182	84.08056	257.12386	39.08125	24.00367	52.53394	8.26E-08	9.51E-06	1.94E-06	2.55E-11	7.69E-11	6.08E-11	1.55E-13	3.74E-12	2.06275E-13	4.0978E-12	8.257E-08	9.5132E-06	1.94386E-06	2.60611E-11	6.25467E-13	1.30079E-11	1.04064E-13
400	571350.6	4178399	0.55, 41783	1.74135	1.70512	1.85867	224.12525	73.73672	326.22415	31.06226	18.34101	44.13622	6.88E-08	1.21E-05	1.63E-06	2.12E-11	6.41E-11	5.06E-11	1.29E-13	3.11E-12	1.71815E-13	3.41323E-12	6.878E-08	1.2069E-05	1.63311E-06	2.17074E-11	5.20978E-13	1.08349E-11	8.66789E-14
401	571390.6	4178399	0.55, 41783	1.43215	1.37481	1.54866	207.21833	64.01827	312.56807	26.21992	15.02288	39.07101	5.73E-08	1.16E-05	1.45E-06	1.77E-11	5.34E-11	4.22E-11	1.07E-13	2.59E-12	1.43157E-13	2.84391E-12	5.731E-08	1.1564E-05	1.44568E-06	1.80867E-11	4.3408E-13	9.02763E-12	7.22211E-14
402	571430.6	4178399	0.55, 41783	1.19016	1.12906	1.29293	179.9524	59.14274	244.73255	22.49405	12.88734	30.59157	4.78E-08	9.05E-06	1.13E-06	1.48E-11	4.46E-11	3.52E-11	8.96E-14	2.17E-12	1.19517E-13	2.37429E-12	4.784E-08	9.0545E-06	1.13195E-06	1.51E-11	3.62399E-13	7.53687E-12	6.0295E-14
403	571470.6	4178399	0.55, 41783	0.9966	0.93995	1.08271	146.8642	55.47011	170.50633	18.35802	11.23121	21.31329	4.01E-08	6.31E-06	7.89E-07	1.24E-11	3.73E-11	2.95E-11	7.51E-14	1.81E-12	1.00084E-13	1.98825E-12	4.006E-08	6.3084E-06	7.8866E-07	1.26448E-11	3.03476E-13	6.31143E-12	5.04914E-14
404	571510.6	4178399	0.55, 41783	0.8441	0.79417	0.91453	113.63796	52.27286	111.23462	14.20474	9.85599	18.36688	3.38E-08	4.12E-06	6.8E-07	1.04E-11	3.15E-11	2.49E-11	6.34E-14	1.53E-12	8.4538E-14	1.67941E-12	3.384E-08	4.1157E-06	6.79617E-07	1.06807E-11	2.56336E-13	5.33106E-12	4.26485E-14
405	571550.6	4178399	0.55, 41783	0.71988	0.67749	0.77601	84.04695	49.45688	81.90115	12.59546	8.65245	16.41022	2.87E-08	3.03E-06	6.07E-07	8.86E-12	2.68E-11	2.11E-11	5.38E-14	1.3E-12	7.17335E-14	1.42504E-12	2.871E-08	3.0304E-06	6.07215E-07	9.06292E-12	2.1751E-13	4.52359E-12	3.61888E-14
406	571590.6	4178399	0.55, 41783	0.61846	0.58359	0.66441	61.25343	46.95039	82.40366	11.31778	7.65227	14.12983	2.46E-08	3.05E-06	5.23E-07	7.59E-12	2.29E-11	1.81E-11	4.61E-14	1.11E-12	6.14174E-14	1.2201E-12	2.459E-08	3.049E-06	5.2284E-07	7.75957E-12	1.8623E-13	3.87305E-12	3.09844E-14
407	570310.6	4178439	0.55, 41784	0.11265	0.08111	0.10949	78.47962	27.91467	88.7071	13.07994	3.48933	14.78452	4.05E-09	3.28E-06	5.47E-07	1.25E-12	3.77E-12	2.98E-12	7.59E-15	1.83E-13	1.01208E-14	2.01057E-13	4.051E-09	3.282E-06	5.47078E-07	1.27868E-12	3.06884E-14	6.38231E-13	5.10585E-15
408	570350.6	4178439	0.55, 41784	0.12585	0.09139	0.12175	84.54471	29.62734	96.42477	14.09078	3.70342	16.0708	4.51E-09	3.57E-06	5.95E-07	1.39E-12	4.2E-12	3.32E-12	8.44E-15	2.04E-13	1.12541E-14	2.23571E-13	4.505E-09	3.5675E-06	5.94674E-07	1.42186E-12	3.41247E-14	7.09698E-13	5.67758E-15
409	570390.6	4178439	0.55, 41784	0.14252	0.10489	0.13706	91.50908	31.67143	105.54781	15.25151	4.06451	17.5913	5.07E-09	3.91E-06	6.51E-07	1.56E-12	4.73E-12	3.73E-12	9.5E-15	2.3E-13	1.26694E-14	2.51686E-13	5.072E-09	3.9051E-06	6.50935E-07	1.60067E-12	3.84161E-14	7.98945E-13	6.39156E-15
410	570430.6	4178439	0.55, 41784	0.16313	0.12204	0.15568	99.54775	33.93845	116.15512	16.59129	4.47421	19.35919	5.76E-09	4.3E-06	7.16E-07	1.78E-12	5.37E-12	4.24E-12	1.08E-14	2.61E-13	1.43906E-14	2.8588E-13	5.761E-09	4.2975E-06	7.16351E-07	1.81813E-12	4.36352E-14	9.07488E-13	7.25991E-15
411	570470.6	4178439	0.55, 41784	0.18858	0.14267	0.1783	108.92524	36.54882	128.38607	18.15421	4.93599	21.39768	6.6E-09	4.75E-06	7.92E-07	2.04E-12	6.15E-12	4.86E-12	1.24E-14	2.99E-13	1.64816E-14	3.27419E-13	6.598E-09	4.75E-06	7.9178E-07	2.08231E-12	4.99755E-14	1.03935E-12	8.31479E-15
412	570510.6	4178439	0.55, 41784	0.22167	0.16966	0.20722	120.34611	39.98702	143.34164	20.05769	5.68986	23.89027	7.67E-09	5.3E-06	8.84E-07	2.37E-12	7.14E-12	5.64E-12	1.44E-14	3.47E-13	1.9155E-14	3.80528E-13	7.668E-09	5.3033E-06	8.84011E-07	2.42007E-12	5.80818E-14	1.20794E-12	9.66349E-15
413	570550.6	4178439	0.55, 41784	0.2658	0.20594	0.24496	134.27176	44.24032	161.13607	22.37863	6.83821	26.85601	9.06E-09	5.96E-06	9.94E-07	2.8E-12	8.45E-12	6.67E-12	1.7E-14	4.1E-13	2.26437E-14	4.49834E-13	9.064E-09	5.9617E-06	9.93751E-07	2.86085E-12	6.86603E-14	1.42794E-12	1.14235E-14
414	570590.6	4178439	0.55, 41784	0.3272	0.25654	0.29583	151.91315	49.32778	182.29969	25.31886	8.30482	30.38328	1.09E-08	6.74E-06	1.12E-06	3.38E-12	1.02E-11	8.06E-12	2.05E-14	4.95E-13	2.73463E-14	5.43253E-13	1.095E-08	6.7447E-06	1.12427E-06	3.45497E-12	8.29194E-14	1.72449E-12	1.37959E-14
415	570630.6	4178439	0.55, 41784	0.41735	0.33056	0.3671	175.42083	55.6235	213.97884	29.2368	10.21264	34.63299	1.36E-08	7.92E-06	1.28E-06	4.19E-12	1.27E-11	1E-11	2.55E-14	6.15E-13	3.39347E-14	6.74137E-13	1.358E-08	7.9167E-06	1.28153E-06	4.28737E-12	1.02897E-13	2.13996E-12	1.71197E-14
416	570670.6	4178439	0.55, 41784	0.56024	0.44648	0.47194	208.37177	63.80907	268.23017	34.72863	12.75328	41.38807	1.75E-08	9.92E-06	1.53E-06	5.39E-12	1.63E-11	1.29E-11	3.27E-14	7.9E-13	4.36267E-14	8.66675E-13	1.746E-08	9.9238E-06	1.53148E-06	5.51187E-12	1.32285E-13	2.75115E-12	2.20092E-14
417	570710.6	4178439	0.55, 41784	0.81434	0.64609	0.63688	258.28683	75.2647	339.8113	43.04781	16.40047	56.02404	2.36E-08	1.26E-05	2.07E-06	7.27E-12	2.2E-11	1.73E-11	4.42E-14	1.07E-12	5.88751E-14	1.1696E-12	2.357E-08	1.2572E-05	2.07302E-06	7.43837E-12	1.78521E-13	3.71273E-12	2.97018E-14
418	570750.6	4178439	0.55, 41784	1.35572	1.03003	0.91926	343.9155	93.10334	457.76974	57.16949	22.25077	76.29496	3.4E-08	1.69E-05	2.82E-06	1.05E-11	3.17E-11	2.5E-11	6.37E-14	1.54E-12	8.49818E-14	1.68822E-12	3.402E-08	1.6936E-05	2.82307E-06	1.07367E-11	2.57682E-13	5.35905E-12	4.28724E-14
419	570790.6	4178439	0.55, 41784	3.18264	2.0617	1.49283	571.47263	129.70009	738.76969	95.66015	38.79176	110.20608	5.52E-08	2.73E-05	4.08E-06	1.7E-11	5.15E-11	4.07E-11	1.04E-13	2.5E-12	1.38017E-13	2.74181E-12	5.525E-08	2.7332E-05	4.07798E-06	1.74373E-11	4.18496E-13	8.70353E-12	6.96283E-14
420	571070.6	4178439	0.55, 41784	4.74443	12.25677	5.33303	251.71558	235.3671	557.08631	48.15254	87.29167	78.37734	1.97E-07	2.06E-05	2.9E-06	6.09E-11	1.84E-10	1.45E-10	3.7E-13	8.93E-12	4.93152E-13	9.79681E-12	1.974E-07	2.0612E-05	2.90002E-06	6.23056E-11	1.49533E-12	3.10987E-11	2.4879E-13
421	571110.6	4178439	0.55, 41784	3.89854	10.39914	4.234	292.37938	213.76959	730.76501	54.55193	96.69541	95.26587	1.57E-07	2.7E-05	3.52E-06	4.84E-11	1.46E-10	1.15E-10	2.94E-13	7.09E-12	3.91539E-13	7.7782E-12	1.567E-07	2.7037E-05	3.52486E-06	4.94676E-11	1.18722E-12	2.46909E-11	1.97527E-13
422	571150.6	4178439	0.55, 41784	3.24566	6.14355	3.38328	299.25996	151.74182	537.6659	53.26943	58.88405	104.89405	1.25E-07	1.99E-05	3.88E-06	3.86E-11	1.17E-10	9.22E-11	2.35E-13	5.67E-12	3.1282E-13	6.21438E-12	1.252E-07	1.9892E-05	3.88104E-06	3.95221E-11	9.48531E-13	1.97268E-11	1.57814E-13
423	571190.6	4178439	0.55, 41784	2.68652	4.20662	2.81661	319.22111	114.25705	663.08885	45.60302	42.68486	97.00809	1.04E-07	2.45E-05	3.59E-06	3.22E-11	9.71E-11	7.67E-11	1.95E-13	4.72E-12	2.60404E-13	5.17311E-12	1.042E-07	2.4532E-05	3.58922E-06	3.28999E-11	7.89597E-13	1.64214E-11	1.31371E-13
424	571230.6	4178439	0.55, 41784	2.2851	3.10379	2.38014	355.31137	114.374	594.35462	48.25343	33.87475	78.4876	8.81E-08	2.2E-05	2.9E-06	2.72E-11	8.21E-11	6.48E-11	1.65E-13	3.99E-12	2.20041E-13	4.37127E-12	8.808E-08	2.1989E-05	2.9041E-06	2.78003E-11	6.67208E-13	1.3876E-11	1.11008E-13
425	571270.6	4178439	0.55, 41784	1.91581	2.39067	2.08735	281.61312	92.35093	457.23387	43.32371	28.45229	65.31912	7.72E-08	1.69E-05	2.42E-06	2.38E-11	7.2E-11	5.69E-11	1.45E-13	3.5E-12	1.92965E-13	3.83339E-12	7.724E-08	1.6916E-05	2.41688E-06	2.43795E-11	5.85109E-13	1.21686E-11	9.73488E-14
426	571310.6	4178439	0.55, 41784	1.62017	1.88774	1.73959	249.98498	75.512	443.82502	38.72011	23.46838	65.04063	6.44E-08	1.64E-05	2.41E-06	1.99E-11	6E-11	4.74E-11	1.21E-13	2.91E-12	1.60814E-13	3.19469E-12	6.437E-08	1.642E-05	2.40654E-06	2.03175E-11	4.8762E-13	1.01411E-11	8.1129E-14
427	571350.6	4178439	0.55, 41784	1.36969	1.52492	1.4607	207.90528	71.02603	289.54604	31.99215	18.96422	43.80183	5.41E-08	1.07E-05	1.62E-06	1.67E-11	5.04E-11	3.98E-11	1.01E-13	2.45E-12	1.35031E-13	2.68249E-12	5.405E-08	1.0712E-05	1.62075E-06	1.70601E-11	4.09441E-13	8.51522E-12	6.81217E-14
428	571390.6	4178439	0.55, 41784	1.16602	1.25794	1.25769	137.82846	66.02867	157.99714	21.56098	15.29437	27.7078	4.65E-08	5.85E-06	1.03E-06	1.44E-11	4.34E-11	3.43E-11	8.72E-14	2.11E-12	1.16263E-13	2.30965E-12	4.654E-08	5.8458E-06	1.02525E-06	1.46889E-11	3.52533E-13	7.33168E-12	5.86534E-14
429	571430.6	4178439	0.55, 41784	1.00225	1.05165	1.08939	150.81052	60.59063	188.78292	19.07395	12.70811	25.02004	4.03E-08	6.98E-06	9.26E-07	1.24E-11	3.76E-11	2.97E-11	7.55E-14	1.82E-12	1.00704E-13	2.00056E-12	4.031E-08	6.9846E-06	9.25796E-07	1.27231E-11	3.05355E-13	6.35052E-12	5.08042E-14
430	571470.6	4178439	0.55, 41784	0.86528	0.88825	0.94207	153.64691	54.59461	206.40776	19.20586	10.6849	25.80097	3.49E-08	7.64E-06	9.55E-07	1.08E-11	3.25E-11	2.57E-11	6.53E-14	1.58E-12	8.70854E-14	1.73001E-12	3.486E-08	7.6366E-06	9.54688E-07	1.10025E-11	2.6406E-13	5.4917E-12	4.39336E-14
431	571510.6	4178439	0.55, 41784	0.75493	0.76151	0.82291	144.52703	49.13224	189.90829	18.06588	9.74189	23.73854	3.05E-08	7.03E-06	8.78E-07	9.4E-12	2.84E-11	2.24E-11	5.71E-14	1.38E-12	7.60698E-14	1.51118E-12	3.045E-08	7.0262E-06	8.78378E-07	9.61078E-12	2.30659E-13	4.79705E-12	3.83764E-14
432	571550.6	4178439	0.55, 41784	0.65913	0.65716	0.71761	127.58758	46.59598	156.05984	15.94845	8.8858	19.50748	2.66E-08	5.77E-06	7.22E-07	8.19E-12	2.47E-11	1.95E-11	4.98E-14	1.2E-12	6.63357E-14	1.31781E-12	2.655E-08	5.7739E-06	7.2183E-07	8.38096E-12	2.01143E-13	4.18321E-12	3.34656E-14
433	571590.6	4178439	0.55, 41784	0.57626	0.57045	0.62441	106.82976	44.35137	118.44703	13.35372	8.08009	14.80588	2.31E-08	4.38E-06	5.48E-07	7.13E-12	2.15E-11	1.7E-11	4.33E-14	1.05E-12	5.77203E-14	1.14665E-12	2.311E-08	4.3824E-06	5.47871E-07	7.29248E-12	1.75019E-13	3.63991E-12	2.91193E-14
434	570310.6	4178479	0.55, 41784	0.1113	0.08183	0.10709	74.58423	29.47815	84.27127	11.80727	4.00274	12.56763	3.96E-09	3.12E-06	4.65E-07	1.22E-12	3.69E-12	2.92E-12	7.42E-15	1.79E-13	9.89904E-15	1.96651E-13	3.963E-09	3.1179E-06	4.65052E-07	1.25066E-12	3.00159E-14	6.24245E-13	4.99396E-15
435	570350.6	4178479	0.55, 41784	0.12561	0.09388	0.12027	80.0812	31.76761	91.05741	12.83362	4.33491	13.82729	4.45E-09	3.37E-06	5.12E-07	1.37E-12	4.15E-12	3.28E-12	8.34E-15	2.01E-13	1.11174E-14	2.20855E-13	4.45E-09	3.369E-06	5.11663E-07	1.40459E-12	3.37102E-14	7.01076E-13	5.60861E-15
436	570390.6	4178479	0.55, 41784	0.14146	0.10678	0.13471	86.10528	34.01158	98.86723	14.01299	4.67053	15.28263	4.98E-09	3.66E-06	5.66E-07	1.54E-12	4.64E-12	3.67E-12	9.34E-15	2.26E-13	1.24522E-14	2.47372E-13	4.985E-09	3.6579E-06	5.65515E-07	1.57324E-12	3.77576E-14	7.85252E-13	6.28202E-15
437	570430.6	4178479	0.55, 41784	0.16075	0.12266	0.15218	93.00088	36.36689	108.11431	15.32204	5.02469	17.00047	5.63E-09	4E-06	6.29E-07	1.74E-12	5.25E-12	4.14E-12	1.06E-14	2.55E-13	1.40672E-14	2.79454E-13	5.631E-09	4.0001E-06	6.29079E-07	1.77727E-12	4.26544E-14	8.87091E-13	7.09673E-15
438	570470.6	4178479	0.55, 41784	0.18644	0.14379	0.17515	101.96042	39.51551	120.09702	16.93263	5.48718	19.18544	6.48E-09	4.44E-06	7.1E-07	2E-12	6.04E-12	4.77E-12	1.21E-14	2.93E-13	1.61905E-14	3.21636E-13	6.481E-09	4.4434E-06	7.09927E-07	2.04554E-12	4.90929E-14	1.02099E-12	8.16794E-15
439	570510.6	4178479	0.55, 41784	0.22079	0.17209	0.20548	113.44919	43.50567	135.70428	18.9082	6.17272	22.02345	7.6E-09	5.02E-06	8.15E-07	2.35E-12	7.08E-12	5.6E-12	1.42E-14	3.44E-13	1.89942E-14	3.77334E-13	7.603E-09	5.0208E-06	8.14937E-07	2.39976E-12	5.75943E-14	1.1978E-12	9.58239E-15
440	570550.6	4178479	0.55, 41784	0.2667	0.21004	0.24533	127.7059	48.20733	155.63974	21.28432	7.34053	25.62853	9.08E-09	5.76E-06	9.48E-07	2.8E-12	8.46E-12	6.68E-12	1.7E-14	4.11E-13	2.2678E-14	4.50515E-13	9.078E-09	5.7584E-06	9.4833E-07	2.86518E-12	6.87643E-14	1.4301E-12	1.14408E-14
441	570590.6	4178479	0.55, 41784	0.32931	0.26248	0.29831	144.67878	53.44745	182.17951	24.11313	8.81975	30.24215	1.1E-08	6.74E-06	1.12E-06	3.41E-12	1.03E-11	8.12E-12	2.07E-14	5E-13	2.75756E-14	5.47809E-13	1.104E-08	6.7403E-06	1.11904E-06	3.48395E-12	8.36147E-14	1.73895E-12	1.39116E-14
442	570630.6	4178479	0.55, 41784	0.42133	0.33962	0.37314	165.95931	60.05375	219.0797	27.65989	10.77683	36.51328	1.38E-08	8.11E-06	1.35E-06	4.26E-12	1.29E-11	1.02E-11	2.59E-14	6.25E-13	3.44931E-14	6.85231E-13	1.381E-08	8.1055E-06	1.35107E-06	4.35792E-12	1.0459E-13	2.17518E-12	1.74014E-14
443	570670.6	4178479	0.55, 41784	0.56746	0.46145	0.48445	193.36004	69.0612	272.47405	32.22667	13.5092	45.41234	1.79E-08	1.01E-05	1.68E-06	5.53E-12	1.67E-11	1.32E-11	3.36E-14	8.11E-13	4.47832E-14	8.8965E-13	1.793E-08	1.0081E-05	1.68033E-06	5.65798E-12	1.35791E-13	2.82408E-12	2.25926E-14
444	570710.6	4178479	0.55, 41784	0.83023	0.67528	0.66195	236.53606	81.84268	352.22256	39.07222	17.68943	58.70376	2.45E-08	1.3E-05	2.17E-06	7.56E-12	2.28E-11	1.8E-11	4.59E-14	1.11E-12	6.11927E-14	1.21564E-12	2.45E-08	1.3031E-05	2.17211E-06	7.73118E-12	1.85548E-13	3.85888E-12	3.0871E-14
445	570750.6	4178479	0.55, 41784	1.42426	1.12918	0.97629	342.03514	102.90165	482.1747	49.67165	25.1054	80.36245	3.61E-08	1.78E-05	2.97E-06	1.11E-11	3.37E-11	2.66E-11	6.77E-14	1.64E-12	9.02548E-14	1.79297E-12	3.613E-08	1.7839E-05	2.97347E-06	1.14029E-11	2.7367E-13	5.69157E-12	4.55325E-14
446	570790.6	4178479	0.55, 41784	3.63047	2.75084	1.62936	596.75244	187.47347	722.34167	107.7468	51.23422	120.39028	6.03E-08	2.67E-05	4.45E-06	1.86E-11	5.62E-11	4.44E-11	1.13E-13	2.73E-12	1.50652E-13	2.99281E-12	6.031E-08	2.6725E-05	4.45487E-06	1.90336E-11	4.56806E-13	9.50028E-12	7.60022E-14
447	571030.6	4178479	0.55, 41784	9.40071	15.68167	11.18665	333.68631	267.08575	756.18793	81.11776	110.69164	178.64972	4.14E-07	2.8E-05	6.61E-06	1.28E-10	3.86E-10	3.05E-10	7.76E-13	1.87E-11	1.03421E-12	2.05454E-11	4.14E-07	2.7978E-05	6.60987E-06	1.30664E-10	3.13594E-12	6.52187E-11	5.21749E-13
448	571070.6	4178479	0.55, 41784	5.59712	9.0131	6.53916	216.22006	204.77885	522.16381	54.58514	76.29745	101.00005	2.42E-07	1.93E-05	3.74E-06	7.47E-11	2.25E-10	1.78E-10	4.53E-13	1.1E-11	6.04547E-13	1.20097E-11	2.42E-07	1.9319E-05	3.737E-06	7.63794E-11	1.83311E-12	3.81234E-11	3.04987E-13
449	571110.6	4178479	0.55, 41784	3.86033	5.8724	4.45436	232.77263	158.88759	526.3096	40.87392	60.11848	68.10823	1.65E-07	1.95E-05	2.52E-06	5.09E-11	1.54E-10	1.21E-10	3.09E-13	7.46E-12	4.118E-13	8.18071E-12	1.648E-07	1.9472E-05	2.52004E-06	5.20275E-11	1.24866E-12	2.59686E-11	2.07749E-13
450	571150.6	4178479	0.55, 41784	2.87873	4.17215	3.24074	243.47288	131.88403	510.79766	36.94401	47.80365	68.59206	1.2E-07	1.89E-05	2.54E-06	3.7E-11	1.12E-10	8.83E-11	2.25E-13	5.43E-12	2.99601E-13	5.95178E-12	1.199E-07	1.8898E-05	2.5379E-06	3.7852E-11	9.08448E-13	1.88932E-11	1.51145E-13
451	571190.6	4178479	0.55, 41784	2.25924	3.11768	2.54212	272.99859	103.34976	495.79992	40.61499	35.56429	82.63332	9.41E-08	1.83E-05	3.06E-06	2.9E-11	8.77E-11	6.92E-11	1.76E-13	4.26E-12	2.35011E-13	4.66866E-12	9.408E-08	1.8343E-05	3.05739E-06	2.96917E-11	7.126E-13	1.48201E-11	1.1856E-13
452	571230.6	4178479	0.55, 41784	1.86428	2.43731	2.04705	228.60917	88.43023	428.91859	34.9281	28.65964	53.61482	7.58E-08	1.59E-05	1.98E-06	2.34E-11	7.06E-11	5.58E-11	1.42E-13	3.43E-12	1.89242E-13	3.75942E-12	7.575E-08	1.5869E-05	1.98381E-06	2.39091E-11	5.73818E-13	1.19338E-11	9.54704E-14
453	571270.6	4178479	0.55, 41784	1.58233	1.95726	1.72288	275.18297	89.4878	451.79055	39.56066	24.38596	62.99097	6.38E-08	1.67E-05	2.33E-06	1.97E-11	5.94E-11	4.69E-11	1.19E-13	2.89E-12	1.59271E-13	3.16404E-12	6.376E-08	1.6715E-05	2.33072E-06	2.01226E-11	4.82942E-13	1.00438E-11	8.03506E-14
454	571310.6	4178479	0.55, 41784	1.35793	1.6065	1.5101	222.77943	77.47813	328.49847	32.82803	21.05024	46.46168	5.59E-08	1.22E-05	1.72E-06	1.72E-11	5.21E-11	4.11E-11	1.05E-13	2.53E-12	1.39598E-13	2.77322E-12	5.588E-08	1.2154E-05	1.71916E-06	1.76371E-11	4.2329E-13	8.80323E-12	7.04258E-14
455	571350.6	4178479	0.55, 41784	1.1642	1.33076	1.27594	210.30644	64.61424	297.95893	30.9494	18.13628	42.55235	4.72E-08	1.1E-05	1.57E-06	1.46E-11	4.4E-11	3.47E-11	8.85E-14	2.14E-12	1.17951E-13	2.34319E-12	4.722E-08	1.1024E-05	1.57452E-06	1.49022E-11	3.57652E-13	7.43814E-12	5.95051E-14
456	571390.6	4178479	0.55, 41784	1.001	1.11694	1.07653	187.8278	60.73144	278.37154	27.7002	15.35336	39.86006	3.98E-08	1.03E-05	1.47E-06	1.23E-11	3.71E-11	2.93E-11	7.46E-14	1.8E-12	9.95173E-14	1.97698E-12	3.984E-08	1.0299E-05	1.47488E-06	1.25732E-11	3.01756E-13	6.27567E-12	5.02054E-14
457	571430.6	4178479	0.55, 41784	0.8626	0.94616	0.9271	141.00765	57.76687	153.44465	20.99683	12.7525	23.01436	3.43E-08	5.68E-06	8.52E-07	1.06E-11	3.2E-11	2.52E-11	6.43E-14	1.55E-12	8.57032E-14	1.70255E-12	3.431E-08	5.6773E-06	8.51617E-07	1.08279E-11	2.59869E-13	5.40454E-12	4.32363E-14
458	571470.6	4178479	0.55, 41784	0.75511	0.81334	0.81471	85.41876	54.87579	110.14274	13.60469	11.10539	17.11986	3.01E-08	4.08E-06	6.33E-07	9.3E-12	2.81E-11	2.22E-11	5.65E-14	1.36E-12	7.53132E-14	1.49615E-12	3.015E-08	4.0753E-06	6.33478E-07	9.51519E-12	2.28365E-13	4.74933E-12	3.79947E-14
459	571510.6	4178479	0.55, 41784	0.666	0.70453	0.71826	104.54177	51.61661	121.24791	13.06772	9.4895	15.99878	2.66E-08	4.49E-06	5.92E-07	8.2E-12	2.48E-11	1.96E-11	4.98E-14	1.2E-12	6.63969E-14	1.31902E-12	2.658E-08	4.4861E-06	5.91999E-07	8.38869E-12	2.01329E-13	4.18706E-12	3.34965E-14
460	571550.6	4178479	0.55, 41784	0.58993	0.61436	0.63446	114.23468	47.78612	141.81512	14.27934	8.47335	17.72689	2.35E-08	5.25E-06	6.56E-07	7.24E-12	2.19E-11	1.73E-11	4.4E-14	1.06E-12	5.86501E-14	1.16513E-12	2.348E-08	5.2469E-06	6.55942E-07	7.40995E-12	1.77839E-13	3.69854E-12	2.95884E-14
461	571590.6	4178479	0.55, 41784	0.5248	0.5396	0.56365	114.71837	43.31659	143.69009	14.3398	7.89274	17.96126	2.09E-08	5.32E-06	6.65E-07	6.44E-12	1.94E-11	1.54E-11	3.91E-14	9.44E-13	5.21043E-14	1.03509E-12	2.086E-08	5.3162E-06	6.64613E-07	6.58293E-12	1.5799E-13	3.28575E-12	2.6286E-14
462	570310.6	4178519	0.55, 41785	0.10968	0.08323	0.10459	75.92481	30.95134	85.20389	12.65413	4.31611	14.20065	3.87E-09	3.15E-06	5.25E-07	1.19E-12	3.61E-12	2.85E-12	7.25E-15	1.75E-13	9.66803E-15	1.92062E-13	3.87E-09	3.1524E-06	5.25474E-07	1.22147E-12	2.93154E-14	6.09677E-13	4.87741E-15
463	570350.6	4178519	0.55, 41785	0.12253	0.09413	0.11632	80.98331	32.52203	91.70345	13.49722	4.56123	15.28391	4.3E-09	3.39E-06	5.66E-07	1.33E-12	4.01E-12	3.17E-12	8.06E-15	1.95E-13	1.07524E-14	2.13603E-13	4.304E-09	3.3929E-06	5.65557E-07	1.35847E-12	3.26033E-14	6.78056E-13	5.42445E-15
464	570390.6	4178519	0.55, 41785	0.13706	0.10653	0.12954	86.4192	34.09518	99.00991	14.4032	4.78567	16.50165	4.79E-09	3.66E-06	6.11E-07	1.48E-12	4.47E-12	3.53E-12	8.98E-15	2.17E-13	1.19744E-14	2.3788E-13	4.793E-09	3.6632E-06	6.10616E-07	1.51287E-12	3.63088E-14	7.55121E-13	6.04097E-15
465	570430.6	4178519	0.55, 41785	0.15657	0.12308	0.14711	93.48729	36.56809	108.68156	15.58121	5.11226	18.11359	5.44E-09	4.02E-06	6.7E-07	1.68E-12	5.07E-12	4.01E-12	1.02E-14	2.46E-13	1.35986E-14	2.70146E-13	5.444E-09	4.021E-06	6.70261E-07	1.71807E-12	4.12337E-14	8.57544E-13	6.86035E-15
466	570470.6	4178519	0.55, 41785	0.18113	0.14422	0.16907	101.65142	39.2669	120.52836	16.9419	5.47129	20.08806	6.26E-09	4.46E-06	7.43E-07	1.93E-12	5.83E-12	4.6E-12	1.17E-14	2.83E-13	1.56286E-14	3.10474E-13	6.256E-09	4.4593E-06	7.43319E-07	1.97455E-12	4.73891E-14	9.85559E-13	7.88447E-15
467	570510.6	4178519	0.55, 41785	0.21556	0.17373	0.19928	112.42418	43.21366	137.68321	18.73736	6.23491	22.9472	7.37E-09	5.09E-06	8.49E-07	2.28E-12	6.87E-12	5.43E-12	1.38E-14	3.34E-13	1.84213E-14	3.65952E-13	7.374E-09	5.094E-06	8.49109E-07	2.32738E-12	5.5857E-14	1.16167E-12	9.29334E-15
468	570550.6	4178519	0.55, 41785	0.26244	0.21401	0.23948	127.39838	48.06291	159.66591	20.89373	7.26318	26.61098	8.86E-09	5.91E-06	9.85E-07	2.73E-12	8.26E-12	6.52E-12	1.66E-14	4.01E-13	2.21375E-14	4.39777E-13	8.862E-09	5.9073E-06	9.84671E-07	2.79688E-12	6.71252E-14	1.39601E-12	1.11681E-14
469	570590.6	4178519	0.55, 41785	0.32438	0.26815	0.29055	146.74921	52.55391	186.84388	23.05175	8.49659	31.14065	1.08E-08	6.91E-06	1.15E-06	3.32E-12	1E-11	7.91E-12	2.01E-14	4.87E-13	2.68586E-14	5.33565E-13	1.075E-08	6.9128E-06	1.15227E-06	3.39336E-12	8.14405E-14	1.69373E-12	1.35499E-14
470	570630.6	4178519	0.55, 41785	0.41604	0.34788	0.36203	170.82398	60.03664	221.85088	25.41079	10.076	36.97515	1.34E-08	8.21E-06	1.37E-06	4.13E-12	1.25E-11	9.86E-12	2.51E-14	6.06E-13	3.34666E-14	6.64837E-13	1.34E-08	8.208E-06	1.36813E-06	4.22822E-12	1.01477E-13	2.11044E-12	1.68835E-14
471	570670.6	4178519	0.55, 41785	0.56352	0.47347	0.46761	210.6175	71.54419	266.74609	27.95974	12.2085	44.45768	1.73E-08	9.87E-06	1.64E-06	5.34E-12	1.61E-11	1.27E-11	3.24E-14	7.83E-13	4.32272E-14	8.58738E-13	1.73E-08	9.869E-06	1.64497E-06	5.46139E-12	1.31073E-13	2.72595E-12	2.18076E-14
472	570710.6	4178519	0.55, 41785	0.82936	0.69158	0.6351	257.30872	94.91316	337.8148	32.16359	16.3308	53.60133	2.35E-08	1.25E-05	1.98E-06	7.25E-12	2.19E-11	1.73E-11	4.4E-14	1.06E-12	5.87117E-14	1.16635E-12	2.35E-08	1.2498E-05	1.98328E-06	7.41772E-12	1.78025E-13	3.70242E-12	2.96194E-14
473	570750.6	4178519	0.55, 41785	1.36529	1.13262	0.93188	327.60111	130.96882	473.41526	45.80096	29.91109	62.68561	3.45E-08	1.75E-05	2.32E-06	1.06E-11	3.21E-11	2.54E-11	6.46E-14	1.56E-12	8.61505E-14	1.71144E-12	3.449E-08	1.7515E-05	2.31948E-06	1.08844E-11	2.61225E-13	5.43275E-12	4.3462E-14
474	570790.6	4178519	0.55, 41785	2.09469	1.90095	1.39228	339.24086	174.34023	730.67406	59.4987	49.70987	91.33426	5.15E-08	2.7E-05	3.38E-06	1.59E-11	4.8E-11	3.79E-11	9.65E-14	2.33E-12	1.28718E-13	2.55708E-12	5.153E-08	2.7033E-05	3.37947E-06	1.62625E-11	3.903E-13	8.11713E-12	6.4937E-14
475	570990.6	4178519	0.55, 41785	30.9381	16.28557	11.79039	1645.60932	278.46944	1244.70182	444.29015	131.46412	279.7997	4.36E-07	4.61E-05	1.04E-05	1.35E-10	4.07E-10	3.21E-10	8.18E-13	1.97E-11	1.09008E-12	2.16552E-11	4.364E-07	4.6051E-05	1.03555E-05	1.37722E-10	3.30533E-12	6.87416E-11	5.49932E-13
476	571030.6	4178519	0.55, 41785	10.39533	8.05295	7.62595	575.07494	188.36146	999.69988	130.51861	75.45666	173.23921	2.82E-07	3.7E-05	6.41E-06	8.71E-11	2.63E-10	2.08E-10	5.29E-13	1.28E-11	7.04974E-13	1.40048E-11	2.822E-07	3.6986E-05	6.41021E-06	8.90676E-11	2.13762E-12	4.44565E-11	3.55652E-13
477	571070.6	4178519	0.55, 41785	5.62777	5.38206	5.21191	327.13066	151.27996	542.64793	61.45445	56.79768	91.26612	1.93E-07	2.01E-05	3.38E-06	5.95E-11	1.8E-10	1.42E-10	3.61E-13	8.73E-12	4.81804E-13	9.57138E-12	1.929E-07	2.0077E-05	3.37696E-06	6.08719E-11	1.46093E-12	3.03831E-11	2.43065E-13
478	571110.6	4178519	0.55, 41785	3.70135	3.92679	3.70614	194.51307	130.68512	402.95521	41.68788	44.49195	69.09918	1.37E-07	1.49E-05	2.56E-06	4.23E-11	1.28E-10	1.01E-10	2.57E-13	6.21E-12	3.42608E-13	6.80615E-12	1.371E-07	1.4909E-05	2.55671E-06	4.32856E-11	1.03885E-12	2.16052E-11	1.72842E-13
479	571150.6	4178519	0.55, 41785	2.69329	3.00723	2.77155	208.02281	103.35418	440.08145	30.40761	37.50867	55.01018	1.03E-07	1.63E-05	2.04E-06	3.16E-11	9.56E-11	7.55E-11	1.92E-13	4.64E-12	2.56213E-13	5.08984E-12	1.026E-07	1.6282E-05	2.03538E-06	3.23703E-11	7.76887E-13	1.61571E-11	1.29256E-13
480	571190.6	4178519	0.55, 41785	2.08526	2.38411	2.19601	205.94825	100.14217	330.97092	32.90062	31.32752	44.74048	8.13E-08	1.22E-05	1.66E-06	2.51E-11	7.57E-11	5.98E-11	1.52E-13	3.68E-12	2.03007E-13	4.03289E-12	8.126E-08	1.2245E-05	1.65548E-06	2.56483E-11	6.15559E-13	1.28019E-11	1.02415E-13
481	571230.6	4178519	0.55, 41785	1.66362	1.91731	1.76389	215.41751	83.66277	360.55042	30.77393	25.17962	52.13444	6.53E-08	1.33E-05	1.93E-06	2.01E-11	6.08E-11	4.8E-11	1.22E-13	2.95E-12	1.63061E-13	3.23931E-12	6.527E-08	1.3339E-05	1.929E-06	2.06013E-11	4.94432E-13	1.02828E-11	8.22623E-14
482	571270.6	4178519	0.55, 41785	1.38104	1.58176	1.44385	194.90891	74.63088	227.07234	31.16799	21.56574	34.54332	5.34E-08	8.4E-06	1.28E-06	1.65E-11	4.98E-11	3.93E-11	1E-13	2.42E-12	1.33475E-13	2.65158E-12	5.343E-08	8.4013E-06	1.27823E-06	1.68635E-11	4.04724E-13	8.4171E-12	6.73368E-14
483	571310.6	4178519	0.55, 41785	1.18628	1.33473	1.24995	227.7435	74.01926	353.91479	34.0231	18.88588	51.12416	4.63E-08	1.31E-05	1.89E-06	1.43E-11	4.31E-11	3.4E-11	8.67E-14	2.09E-12	1.1555E-13	2.29547E-12	4.625E-08	1.3094E-05	1.89166E-06	1.45987E-11	3.50369E-13	7.28669E-12	5.82935E-14
484	571350.6	4178519	0.55, 41785	1.02794	1.1349	1.10387	186.21806	66.32591	255.87469	28.09378	16.3212	37.6065	4.08E-08	9.47E-06	1.39E-06	1.26E-11	3.81E-11	3.01E-11	7.65E-14	1.85E-12	1.02044E-13	2.02718E-12	4.085E-08	9.4667E-06	1.39152E-06	1.28925E-11	3.09419E-13	6.43503E-12	5.14803E-14
485	571390.6	4178519	0.55, 41785	0.88898	0.96986	0.94947	165.64096	58.31983	230.86073	23.55305	14.40747	29.95608	3.51E-08	8.54E-06	1.11E-06	1.08E-11	3.27E-11	2.59E-11	6.58E-14	1.59E-12	8.77712E-14	1.74364E-12	3.513E-08	8.5413E-06	1.10845E-06	1.10891E-11	2.6614E-13	5.53495E-12	4.42796E-14
486	571430.6	4178519	0.55, 41785	0.7696	0.83467	0.8102	166.81635	54.79876	235.11797	23.72844	12.50769	32.6638	3E-08	8.7E-06	1.21E-06	9.25E-12	2.79E-11	2.21E-11	5.62E-14	1.36E-12	7.48969E-14	1.48788E-12	2.998E-08	8.6987E-06	1.20862E-06	9.4626E-12	2.27102E-13	4.72308E-12	3.77847E-14
487	571470.6	4178519	0.55, 41785	0.67066	0.72494	0.7032	138.40145	51.97552	171.46902	19.82816	10.73341	24.30543	2.6E-08	6.34E-06	8.99E-07	8.03E-12	2.42E-11	1.92E-11	4.88E-14	1.18E-12	6.50056E-14	1.29138E-12	2.602E-08	6.344E-06	8.99367E-07	8.21291E-12	1.9711E-13	4.09933E-12	3.27946E-14
488	571510.6	4178519	0.55, 41785	0.58987	0.63439	0.62004	93.94363	49.66848	89.41667	13.736	9.50533	13.29785	2.29E-08	3.31E-06	4.92E-07	7.08E-12	2.14E-11	1.69E-11	4.3E-14	1.04E-12	5.7318E-14	1.13866E-12	2.294E-08	3.3085E-06	4.92086E-07	7.24164E-12	1.73799E-13	3.61453E-12	2.89163E-14
489	571550.6	4178519	0.55, 41785	0.52422	0.55926	0.55249	64.7066	47.53612	82.72316	9.81761	8.44297	11.85775	2.04E-08	3.06E-06	4.39E-07	6.31E-12	1.9E-11	1.5E-11	3.83E-14	9.25E-13	5.10733E-14	1.01461E-12	2.044E-08	3.0608E-06	4.38771E-07	6.45269E-12	1.54864E-13	3.22074E-12	2.57659E-14
490	571590.6	4178519	0.55, 41785	0.47148	0.49721	0.49682	75.39988	45.27823	83.60413	9.54319	7.49343	11.2302	1.84E-08	3.09E-06	4.16E-07	5.67E-12	1.71E-11	1.35E-11	3.44E-14	8.32E-13	4.59269E-14	9.12371E-13	1.838E-08	3.0934E-06	4.15552E-07	5.80248E-12	1.3926E-13	2.89621E-12	2.31696E-14
491	570310.6	4178559	0.55, 41785	0.10731	0.08405	0.10201	76.80272	30.54078	89.48595	12.80045	4.19275	14.91432	3.77E-09	3.31E-06	5.52E-07	1.16E-12	3.52E-12	2.78E-12	7.07E-15	1.71E-13	9.42961E-15	1.87326E-13	3.775E-09	3.3108E-06	5.51877E-07	1.19135E-12	2.85924E-14	5.94642E-13	4.75713E-15
492	570350.6	4178559	0.55, 41785	0.11907	0.09438	0.11262	82.9813	31.5625	94.82328	13.39224	4.31782	15.80388	4.17E-09	3.51E-06	5.85E-07	1.29E-12	3.88E-12	3.07E-12	7.81E-15	1.89E-13	1.04104E-14	2.0681E-13	4.167E-09	3.5083E-06	5.84792E-07	1.31527E-12	3.15664E-14	6.56492E-13	5.25194E-15
493	570390.6	4178559	0.55, 41785	0.1339	0.10748	0.12591	90.55746	32.83588	101.05325	14.07263	4.47793	16.84221	4.66E-09	3.74E-06	6.23E-07	1.44E-12	4.34E-12	3.43E-12	8.73E-15	2.11E-13	1.1639E-14	2.31216E-13	4.659E-09	3.7388E-06	6.23211E-07	1.47049E-12	3.52916E-14	7.33966E-13	5.87173E-15
494	570430.6	4178559	0.55, 41785	0.15297	0.12443	0.14282	99.07784	34.42492	111.25467	14.88754	4.68196	18.0897	5.28E-09	4.12E-06	6.69E-07	1.63E-12	4.92E-12	3.89E-12	9.9E-15	2.39E-13	1.32022E-14	2.6227E-13	5.285E-09	4.1162E-06	6.6937E-07	1.66798E-12	4.00316E-14	8.32543E-13	6.66035E-15
495	570470.6	4178559	0.55, 41785	0.17711	0.14611	0.16369	108.3811	37.13833	125.77833	15.68816	5.10948	19.33096	6.06E-09	4.65E-06	7.15E-07	1.87E-12	5.64E-12	4.46E-12	1.13E-14	2.74E-13	1.51315E-14	3.00597E-13	6.057E-09	4.6536E-06	7.15298E-07	1.91173E-12	4.58816E-14	9.54207E-13	7.63365E-15
496	570510.6	4178559	0.55, 41785	0.21022	0.1758	0.19176	119.02071	41.74654	144.28309	16.67371	5.7123	20.76073	7.1E-09	5.34E-06	7.68E-07	2.19E-12	6.61E-12	5.22E-12	1.33E-14	3.21E-13	1.77264E-14	3.52146E-13	7.096E-09	5.3382E-06	7.68201E-07	2.23958E-12	5.37498E-14	1.11784E-12	8.94275E-15
497	570550.6	4178559	0.55, 41785	0.25686	0.21737	0.22998	138.81712	48.97119	169.0217	17.78034	6.5378	22.20322	8.51E-09	6.25E-06	8.22E-07	2.63E-12	7.93E-12	6.26E-12	1.59E-14	3.85E-13	2.12596E-14	4.22337E-13	8.51E-09	6.2535E-06	8.21577E-07	2.68597E-12	6.44633E-14	1.34065E-12	1.07252E-14
498	570590.6	4178559	0.55, 41785	0.31921	0.27311	0.27901	158.95656	55.69599	196.40207	19.86957	7.90259	24.55026	1.03E-08	7.27E-06	9.08E-07	3.19E-12	9.62E-12	7.6E-12	1.93E-14	4.67E-13	2.57922E-14	5.1238E-13	1.032E-08	7.2665E-06	9.08425E-07	3.25863E-12	7.8207E-14	1.62648E-12	1.30119E-14
499	570630.6	4178559	0.55, 41785	0.41072	0.35398	0.34795	180.38278	65.18573	228.48167	22.54785	9.64997	28.56021	1.29E-08	8.45E-06	1.06E-06	3.97E-12	1.2E-11	9.48E-12	2.41E-14	5.83E-13	3.21655E-14	6.3899E-13	1.288E-08	8.4533E-06	1.0568E-06	4.06384E-12	9.75321E-14	2.02839E-12	1.62271E-14
500	570670.6	4178559	0.55, 41785	0.55178	0.47716	0.45068	218.05495	85.23197	290.43238	27.25687	14.02323	36.30405	1.67E-08	1.07E-05	1.34E-06	5.15E-12	1.55E-11	1.23E-11	3.12E-14	7.55E-13	4.16626E-14	8.27657E-13	1.668E-08	1.0745E-05	1.34333E-06	5.26372E-12	1.26329E-13	2.62729E-12	2.10183E-14
501	570710.6	4178559	0.55, 41785	0.78132	0.6809	0.62169	244.71244	105.12049	355.26836	32.595	21.74638	44.40855	2.3E-08	1.31E-05	1.64E-06	7.1E-12	2.14E-11	1.69E-11	4.31E-14	1.04E-12	5.7472E-14	1.14172E-12	2.301E-08	1.3144E-05	1.6432E-06	7.2611E-12	1.74266E-13	3.62425E-12	2.8994E-14
502	570750.6	4178559	0.55, 41785	1.13763	1.02831	0.92752	276.33124	124.7524	514.56755	39.47589	32.46528	64.32094	3.43E-08	1.9E-05	2.38E-06	1.06E-11	3.2E-11	2.53E-11	6.43E-14	1.55E-12	8.57446E-14	1.70338E-12	3.432E-08	1.9038E-05	2.37992E-06	1.08331E-11	2.59995E-13	5.40715E-12	4.32572E-14
503	570790.6	4178559	0.55, 41785	1.48115	1.46435	1.34156	285.306	157.20995	776.24295	43.19026	42.97795	97.64972	4.96E-08	2.87E-05	3.61E-06	1.53E-11	4.63E-11	3.65E-11	9.3E-14	2.25E-12	1.2402E-13	2.46374E-12	4.965E-08	2.8718E-05	3.61294E-06	1.56688E-11	3.76052E-13	7.82081E-12	6.25665E-14
504	570830.6	4178559	0.55, 41785	2.67811	2.99292	2.3948	342.02881	178.80856	871.65336	66.23843	64.34565	121.28657	8.86E-08	3.22E-05	4.49E-06	2.73E-11	8.26E-11	6.52E-11	1.66E-13	4.01E-12	2.21394E-13	4.39815E-12	8.862E-08	3.2248E-05	4.4876E-06	2.79713E-11	6.71311E-13	1.39614E-11	1.11691E-13
505	570950.6	4178559	0.55, 41785	26.55575	12.00196	5.05287	679.01352	318.67052	1487.06516	280.37281	116.3834	245.48668	1.87E-07	5.5E-05	9.08E-06	5.77E-11	1.74E-10	1.38E-10	3.5E-13	8.47E-12	4.67311E-13	9.28346E-12	1.871E-07	5.5017E-05	9.08449E-06	5.90408E-11	1.41698E-12	2.94691E-11	2.35753E-13
506	570990.6	4178559	0.55, 41785	10.52141	6.96087	4.44153	639.29991	205.65266	1371.63359	133.52138	75.6432	174.17097	1.64E-07	5.07E-05	6.44E-06	5.07E-11	1.53E-10	1.21E-10	3.08E-13	7.44E-12	4.10657E-13	8.15798E-12	1.644E-07	5.0745E-05	6.44472E-06	5.1883E-11	1.24519E-12	2.58965E-11	2.07172E-13
507	571030.6	4178559	0.55, 41785	6.12086	4.69941	3.63304	562.31532	143.87555	907.33173	97.52112	53.65332	135.00156	1.34E-07	3.36E-05	5E-06	4.15E-11	1.25E-10	9.9E-11	2.52E-13	6.08E-12	3.35876E-13	6.67241E-12	1.345E-07	3.3568E-05	4.9953E-06	4.24351E-11	1.01844E-12	2.11807E-11	1.69446E-13
508	571070.6	4178559	0.55, 41785	4.00501	3.46908	2.98955	291.75499	122.4909	364.39166	69.10596	41.80504	75.82917	1.11E-07	1.35E-05	2.81E-06	3.41E-11	1.03E-10	8.14E-11	2.07E-13	5.01E-12	2.76373E-13	5.49035E-12	1.106E-07	1.3482E-05	2.80596E-06	3.49174E-11	8.38019E-13	1.74284E-11	1.39427E-13
509	571110.6	4178559	0.55, 41785	2.89394	2.70355	2.4438	288.47324	105.99812	437.78623	48.03981	36.46899	59.71453	9.04E-08	1.62E-05	2.21E-06	2.79E-11	8.43E-11	6.66E-11	1.69E-13	4.09E-12	2.25917E-13	4.48799E-12	9.043E-08	1.6197E-05	2.20959E-06	2.85427E-11	6.85024E-13	1.42466E-11	1.13972E-13
510	571150.6	4178559	0.55, 41785	2.21115	2.17534	2.01472	240.56187	97.79178	377.92847	31.90722	30.3701	47.66793	7.46E-08	1.4E-05	1.76E-06	2.3E-11	6.95E-11	5.49E-11	1.4E-13	3.37E-12	1.86249E-13	3.69996E-12	7.456E-08	1.3982E-05	1.76377E-06	2.3531E-11	5.64743E-13	1.17451E-11	9.39605E-14
511	571190.6	4178559	0.55, 41785	1.76303	1.79806	1.6955	177.14345	83.63267	264.27885	24.55859	26.34777	34.50528	6.27E-08	9.78E-06	1.28E-06	1.94E-11	5.85E-11	4.62E-11	1.18E-13	2.84E-12	1.56738E-13	3.11371E-12	6.274E-08	9.7778E-06	1.27675E-06	1.98025E-11	4.7526E-13	9.88406E-12	7.90725E-14
512	571230.6	4178559	0.55, 41785	1.44054	1.50665	1.43503	192.87207	80.98435	306.26039	29.09943	22.26218	51.0434	5.31E-08	1.13E-05	1.89E-06	1.64E-11	4.95E-11	3.91E-11	9.95E-14	2.4E-12	1.32659E-13	2.63536E-12	5.31E-08	1.1331E-05	1.88862E-06	1.67603E-11	4.02247E-13	8.3656E-12	6.69248E-14
513	571270.6	4178559	0.55, 41785	1.19178	1.27042	1.20125	167.21575	71.42327	283.3883	22.32638	19.23301	35.42354	4.45E-08	1.05E-05	1.31E-06	1.37E-11	4.14E-11	3.27E-11	8.33E-14	2.01E-12	1.11047E-13	2.20604E-12	4.445E-08	1.0485E-05	1.3107E-06	1.40299E-11	3.36718E-13	7.00278E-12	5.60222E-14

514	571310.6	4178559	0.55, 41785	1.01245	1.08581	1.02025	169.23295	65.49002	155.67948	26.6418	16.91234	25.18935	3.78E-08	5.76E-06	9.32E-07	1.17E-11	3.52E-11	2.78E-11	7.07E-14	1.71E-12	9.43154E-14	1.87364E-12	3.775E-08	5.76E-06	9.32137E-07	1.1916E-11	2.85983E-13	5.94763E-12	4.75811E-14
515	571350.6	4178559	0.55, 41785	0.8838	0.94242	0.90608	194.09519	63.64749	285.0024	28.90026	14.99354	40.61241	3.35E-08	1.05E-05	1.5E-06	1.03E-11	3.12E-11	2.47E-11	6.28E-14	1.52E-12	8.37606E-14	1.66396E-12	3.353E-08	1.0544E-05	1.50273E-06	1.05824E-11	2.53979E-13	5.28204E-12	4.22563E-14
516	571390.6	4178559	0.55, 41785	0.78025	0.82372	0.8159	158.10154	57.98385	206.74246	23.81897	12.89204	30.22211	3.02E-08	7.65E-06	1.12E-06	9.32E-12	2.81E-11	2.22E-11	5.66E-14	1.37E-12	7.54235E-14	1.49834E-12	3.019E-08	7.649E-06	1.11829E-06	9.52912E-12	2.28699E-13	4.75629E-12	3.80503E-14
517	571430.6	4178559	0.55, 41785	0.68512	0.72115	0.71821	137.68904	52.2569	180.06144	18.93914	11.62385	25.68604	2.66E-08	6.66E-06	9.5E-07	8.2E-12	2.48E-11	1.96E-11	4.98E-14	1.2E-12	6.63927E-14	1.31894E-12	2.658E-08	6.6619E-06	9.50433E-07	8.38816E-12	2.01316E-13	4.1868E-12	3.34944E-14
518	571470.6	4178559	0.55, 41785	0.60049	0.63425	0.62389	143.56241	49.93475	187.32246	19.90478	10.29716	25.60594	2.31E-08	6.93E-06	9.47E-07	7.12E-12	2.15E-11	1.7E-11	4.33E-14	1.04E-12	5.76738E-14	1.14573E-12	2.309E-08	6.9305E-06	9.4748E-07	7.2866E-12	1.74878E-13	3.63697E-12	2.90958E-14
519	571510.6	4178559	0.55, 41785	0.52736	0.56045	0.5447	131.02036	47.72087	167.66109	18.26486	8.99798	23.11602	2.02E-08	6.2E-06	8.55E-07	6.22E-12	1.88E-11	1.48E-11	3.78E-14	9.12E-13	5.03534E-14	1.00031E-12	2.016E-08	6.2031E-06	8.5535E-07	6.36173E-12	1.52682E-13	3.17534E-12	2.54028E-14
520	571550.6	4178559	0.55, 41785	0.46874	0.49944	0.48529	99.50634	45.73793	109.0385	14.05158	8.03042	15.4257	1.8E-08	4.03E-06	5.71E-07	5.54E-12	1.67E-11	1.32E-11	3.36E-14	8.13E-13	4.48614E-14	8.91204E-13	1.796E-08	4.0343E-06	5.70808E-07	5.66786E-12	1.36029E-13	2.82901E-12	2.26321E-14
521	571590.6	4178559	0.55, 41785	0.42104	0.44786	0.43792	63.39282	43.98321	60.02596	9.17705	7.35207	9.24249	1.62E-08	2.22E-06	3.42E-07	5E-12	1.51E-11	1.19E-11	3.04E-14	7.33E-13	4.04824E-14	8.04211E-13	1.621E-08	2.2211E-06	3.42014E-07	5.11461E-12	1.22751E-13	2.55286E-12	2.04229E-14
522	570310.6	4178599	0.55, 41785	0.10507	0.08466	0.09914	83.25071	28.48032	95.05484	11.19876	3.62883	12.56574	3.67E-09	3.52E-06	4.65E-07	1.13E-12	3.42E-12	2.7E-12	6.87E-15	1.66E-13	9.16438E-15	1.82057E-13	3.669E-09	3.5168E-06	4.64976E-07	1.15784E-12	2.77882E-14	5.77916E-13	4.62333E-15
523	570350.6	4178599	0.55, 41785	0.11716	0.09561	0.10985	88.57329	30.33455	103.53599	11.44069	3.79182	12.942	4.06E-09	3.83E-06	4.79E-07	1.25E-12	3.79E-12	2.99E-12	7.62E-15	1.84E-13	1.01544E-14	2.01725E-13	4.065E-09	3.8306E-06	4.78898E-07	1.28293E-12	3.07903E-14	6.4035E-13	5.1228E-15
524	570390.6	4178599	0.55, 41785	0.13131	0.10865	0.12235	93.2639	32.45644	112.44406	11.65799	4.05706	14.05551	4.53E-09	4.16E-06	5.2E-07	1.4E-12	4.22E-12	3.33E-12	8.48E-15	2.05E-13	1.131E-14	2.24681E-13	4.527E-09	4.1602E-06	5.20094E-07	1.42892E-12	3.42941E-14	7.1322E-13	5.70576E-15
525	570430.6	4178599	0.55, 41785	0.15022	0.126	0.13878	103.53542	36.02365	122.12845	12.94193	4.50296	15.26606	5.14E-09	4.52E-06	5.65E-07	1.58E-12	4.78E-12	3.78E-12	9.62E-15	2.32E-13	1.28288E-14	2.54854E-13	5.135E-09	4.5185E-06	5.64891E-07	1.62081E-12	3.88996E-14	8.09E-13	6.472E-15
526	570470.6	4178599	0.55, 41785	0.17421	0.14819	0.15942	115.63183	39.91557	131.63773	14.45398	5.34922	16.45472	5.9E-09	4.87E-06	6.09E-07	1.82E-12	5.5E-12	4.34E-12	1.11E-14	2.67E-13	1.47369E-14	2.92758E-13	5.899E-09	4.8703E-06	6.0888E-07	1.86188E-12	4.46851E-14	9.29324E-13	7.43459E-15
527	570510.6	4178599	0.55, 41785	0.20799	0.17912	0.18803	128.15759	44.54205	154.67263	16.0197	6.36274	19.33408	6.96E-09	5.72E-06	7.15E-07	2.15E-12	6.48E-12	5.12E-12	1.3E-14	3.15E-13	1.73817E-14	3.453E-13	6.958E-09	5.7226E-06	7.15416E-07	2.19603E-12	5.27048E-14	1.09611E-12	8.76888E-15
528	570550.6	4178599	0.55, 41785	0.25382	0.22088	0.22625	141.74172	51.90419	182.47104	17.71771	7.41488	22.80888	8.37E-09	6.75E-06	8.44E-07	2.58E-12	7.8E-12	6.16E-12	1.57E-14	3.79E-13	2.09149E-14	4.1549E-13	8.372E-09	6.751E-06	8.43982E-07	2.64243E-12	6.34182E-14	1.31892E-12	1.05514E-14
529	570590.6	4178599	0.55, 41785	0.31442	0.27626	0.27638	161.8077	62.94071	207.9054	20.22596	8.27119	25.98817	1.02E-08	7.69E-06	9.62E-07	3.16E-12	9.53E-12	7.53E-12	1.92E-14	4.63E-13	2.55492E-14	5.07553E-13	1.023E-08	7.6921E-06	9.61623E-07	3.22793E-12	7.74702E-14	1.61116E-12	1.28893E-14
530	570630.6	4178599	0.55, 41785	0.39904	0.35395	0.34775	187.04764	77.01967	233.41259	23.38095	12.20463	29.17657	1.29E-08	8.64E-06	1.08E-06	3.97E-12	1.2E-11	9.47E-12	2.41E-14	5.82E-13	3.2147E-14	6.38622E-13	1.287E-08	8.6359E-06	1.07961E-06	4.0615E-12	9.74759E-14	2.02722E-12	1.62178E-14
531	570670.6	4178599	0.55, 41785	0.52025	0.46779	0.4567	203.91154	89.67976	314.96286	27.18561	17.16092	39.37036	1.69E-08	1.17E-05	1.46E-06	5.22E-12	1.57E-11	1.24E-11	3.17E-14	7.65E-13	4.22187E-14	8.38703E-13	1.69E-08	1.1653E-05	1.45676E-06	5.33397E-12	1.28015E-13	2.66236E-12	2.12988E-14
532	570710.6	4178599	0.55, 41785	0.68748	0.63563	0.62617	226.5911	101.22552	383.25212	32.37016	22.387	47.90652	2.32E-08	1.42E-05	1.77E-06	7.15E-12	2.16E-11	1.71E-11	4.34E-14	1.05E-12	5.78847E-14	1.14992E-12	2.317E-08	1.4179E-05	1.7726E-06	7.31325E-12	1.75518E-13	3.65028E-12	2.92022E-14
533	570750.6	4178599	0.55, 41785	0.91976	0.89022	0.88415	243.41497	114.05895	499.75889	34.77357	31.00996	69.4997	3.27E-08	1.85E-05	2.57E-06	1.01E-11	3.05E-11	2.41E-11	6.13E-14	1.48E-12	8.17328E-14	1.62368E-12	3.272E-08	1.849E-05	2.57146E-06	1.03262E-11	2.4783E-13	5.15416E-12	4.12333E-14
534	570790.6	4178599	0.55, 41785	1.20615	1.22781	1.16033	261.32328	130.44037	537.17009	39.31654	39.06207	73.65107	4.29E-08	1.99E-05	2.73E-06	1.32E-11	4E-11	3.16E-11	8.04E-14	1.94E-12	1.07265E-13	2.13089E-12	4.294E-08	1.9874E-05	2.72508E-06	1.3552E-11	3.25248E-13	6.76424E-12	5.41139E-14
535	570830.6	4178599	0.55, 41785	1.86035	2.06593	1.53512	307.79075	158.37727	606.96091	57.33573	51.17396	80.52216	5.68E-08	2.25E-05	2.98E-06	1.75E-11	5.29E-11	4.18E-11	1.06E-13	2.57E-12	1.41922E-13	2.81939E-12	5.681E-08	2.2456E-05	2.97946E-06	1.79307E-11	4.30337E-13	8.94979E-12	7.15983E-14
536	570870.6	4178599	0.55, 41785	2.81953	3.8452	1.88016	429.66876	238.19724	679.18896	77.96533	87.47681	90.64703	6.96E-08	2.51E-05	3.35E-06	2.15E-11	6.48E-11	5.12E-11	1.3E-13	3.15E-12	1.73853E-13	3.45371E-12	6.959E-08	2.5129E-05	3.35423E-06	2.19648E-11	5.27156E-13	1.09634E-11	8.77068E-14
537	570910.6	4178599	0.55, 41785	4.21414	6.38342	2.32175	555.65098	273.48442	945.27353	124.98504	103.73159	124.24769	8.6E-08	3.5E-05	4.6E-06	2.65E-11	8.01E-11	6.33E-11	1.61E-13	3.89E-12	2.14725E-13	4.26565E-12	8.595E-08	3.4973E-05	4.59774E-06	2.71286E-11	6.51087E-13	1.35408E-11	1.08326E-13
538	570950.6	4178599	0.55, 41785	4.59898	4.54538	2.28746	563.80012	195.03038	769.06119	96.52509	58.5202	125.1466	8.47E-08	2.85E-05	4.63E-06	2.61E-11	7.89E-11	6.23E-11	1.59E-13	3.83E-12	2.11515E-13	4.20189E-12	8.467E-08	2.8453E-05	4.63071E-06	2.67231E-11	6.41354E-13	1.33384E-11	1.06707E-13
539	570990.6	4178599	0.55, 41785	3.82228	3.4158	2.10211	387.45867	157.86758	722.29473	74.93195	45.58999	97.36969	7.78E-08	2.67E-05	3.6E-06	2.4E-11	7.25E-11	5.73E-11	1.46E-13	3.52E-12	1.94357E-13	3.86105E-12	7.78E-08	2.6723E-05	3.6029E-06	2.45554E-11	5.8933E-13	1.22564E-11	9.80512E-14
540	571030.6	4178599	0.55, 41785	3.02247	2.69987	1.99871	442.17309	124.03841	776.22539	67.82636	38.72372	97.59907	7.4E-08	2.87E-05	3.61E-06	2.28E-11	6.89E-11	5.44E-11	1.39E-13	3.35E-12	1.84783E-13	3.67085E-12	7.397E-08	2.8718E-05	3.61131E-06	2.33458E-11	5.60299E-13	1.16526E-11	9.32211E-14
541	571070.6	4178599	0.55, 41785	2.43201	2.20804	1.81695	323.32852	105.96293	523.5768	49.87717	32.54487	75.45431	6.72E-08	1.94E-05	2.79E-06	2.07E-11	6.26E-11	4.95E-11	1.26E-13	3.04E-12	1.67973E-13	3.3369E-12	6.724E-08	1.9371E-05	2.7919E-06	2.1222E-11	5.09327E-13	1.05926E-11	8.47405E-14
542	571110.6	4178599	0.55, 41785	1.9361	1.83698	1.53551	285.52756	89.63178	395.42144	42.26506	28.59229	57.87538	5.68E-08	1.46E-05	2.14E-06	1.75E-11	5.29E-11	4.18E-11	1.06E-13	2.57E-12	1.41953E-13	2.82E-12	5.682E-08	1.463E-05	2.1415E-06	1.79346E-11	4.30431E-13	8.95174E-12	7.16139E-14
543	571150.6	4178599	0.55, 41785	1.58315	1.55537	1.34493	182.41041	88.91432	301.39134	29.75311	25.20352	37.67392	4.98E-08	1.12E-05	1.39E-06	1.54E-11	4.64E-11	3.66E-11	9.32E-14	2.25E-12	1.24333E-13	2.46997E-12	4.977E-08	1.1151E-05	1.39403E-06	1.57085E-11	3.77003E-13	7.8406E-12	6.27248E-14
544	571190.6	4178599	0.55, 41785	1.33739	1.33597	1.20735	189.26194	77.8274	237.13522	24.55337	21.99349	31.52399	4.47E-08	8.77E-06	1.17E-06	1.38E-11	4.16E-11	3.29E-11	8.37E-14	2.02E-12	1.11613E-13	2.21727E-12	4.468E-08	8.7736E-06	1.16646E-06	1.41014E-11	3.38433E-13	7.03844E-12	5.63076E-14
545	571230.6	4178599	0.55, 41785	1.14183	1.1549	1.07779	177.02423	70.01737	247.02933	25.42204	18.83046	36.19826	3.99E-08	9.14E-06	1.34E-06	1.23E-11	3.72E-11	2.94E-11	7.47E-14	1.8E-12	9.96349E-14	1.97932E-12	3.988E-08	9.1395E-06	1.33939E-06	1.2588E-11	3.02113E-13	6.28309E-12	5.02647E-14
546	571270.6	4178599	0.55, 41785	0.97959	1.00523	0.95378	160.46118	68.49541	236.51718	22.92303	16.81937	33.9008	3.53E-08	8.75E-06	1.25E-06	1.09E-11	3.29E-11	2.6E-11	6.61E-14	1.6E-12	8.81705E-14	1.75157E-12	3.529E-08	8.7506E-06	1.25437E-06	1.11396E-11	2.6735E-13	5.56013E-12	4.44811E-14
547	571310.6	4178599	0.55, 41785	0.84011	0.87488	0.82502	131.92842	62.86665	193.55215	16.49105	15.16442	24.19402	3.05E-08	7.16E-06	8.95E-07	9.42E-12	2.84E-11	2.25E-11	5.72E-14	1.38E-12	7.62676E-14	1.51511E-12	3.053E-08	7.1611E-06	8.95212E-07	9.63577E-12	2.31259E-13	4.80952E-12	3.84762E-14
548	571350.6	4178599	0.55, 41785	0.73896	0.77159	0.73066	149.85158	58.69155	153.82017	22.55392	13.49962	22.49489	2.7E-08	5.69E-06	8.32E-07	8.34E-12	2.52E-11	1.99E-11	5.07E-14	1.22E-12	6.75446E-14	1.34182E-12	2.704E-08	5.6912E-06	8.32415E-07	8.53369E-12	2.04809E-13	4.25944E-12	3.40755E-14
549	571390.6	4178599	0.55, 41785	0.661	0.68563	0.66671	168.50279	56.32456	235.09945	24.41155	12.10471	32.40344	2.47E-08	8.7E-06	1.2E-06	7.61E-12	2.3E-11	1.82E-11	4.62E-14	1.12E-12	6.16324E-14	1.22437E-12	2.467E-08	8.6981E-06	1.199E-06	7.78673E-12	1.86882E-13	3.88661E-12	3.10929E-14
550	571430.6	4178599	0.55, 41785	0.59511	0.61204	0.61151	136.17098	51.76249	171.68803	20.03651	10.61326	24.28892	2.26E-08	6.35E-06	8.99E-07	6.98E-12	2.11E-11	1.67E-11	4.24E-14	1.02E-12	5.65291E-14	1.12299E-12	2.263E-08	6.3521E-06	8.98759E-07	7.14198E-12	1.71408E-13	3.56479E-12	2.85183E-14
551	571470.6	4178599	0.55, 41785	0.53051	0.54561	0.54811	117.9441	47.17442	154.11151	16.84916	9.40387	22.01593	2.03E-08	5.7E-06	8.15E-07	6.26E-12	1.89E-11	1.49E-11	3.8E-14	9.18E-13	5.06683E-14	1.00656E-12	2.028E-08	5.7018E-06	8.14638E-07	6.40151E-12	1.53636E-13	3.1952E-12	2.55616E-14
552	571510.6	4178599	0.55, 41785	0.47218	0.48877	0.48576	120.07824	45.51387	145.12306	16.38718	8.49605	19.65912	1.8E-08	5.37E-06	7.27E-07	5.55E-12	1.67E-11	1.32E-11	3.37E-14	8.13E-13	4.49046E-14	8.92062E-13	1.798E-08	5.3693E-06	7.27445E-07	5.67332E-12	1.3616E-13	2.83174E-12	2.26539E-14
553	571550.6	4178599	0.55, 41785	0.42043	0.43954	0.43052	119.99429	43.92883	151.34582	16.43506	7.56489	20.5622	1.59E-08	5.6E-06	7.61E-07	4.92E-12	1.48E-11	1.17E-11	2.98E-14	7.21E-13	3.97983E-14	7.90621E-13	1.593E-08	5.5995E-06	7.60854E-07	5.02818E-12	1.20676E-13	2.50972E-12	2.00778E-14
554	571590.6	4178599	0.55, 41785	0.37632	0.39688	0.38556	100.33698	42.40478	116.86516	13.86046	7.00095	16.11187	1.43E-08	4.32E-06	5.96E-07	4.4E-12	1.33E-11	1.05E-11	2.67E-14	6.46E-13	3.56421E-14	7.08056E-13	1.427E-08	4.3239E-06	5.96191E-07	4.50309E-12	1.08074E-13	2.24763E-12	1.79811E-14
555	570310.6	4178639	0.55, 41786	0.10356	0.08559	0.09711	83.92303	29.66661	96.15389	10.49038	3.70833	12.01924	3.59E-09	3.56E-06	4.45E-07	1.11E-12	3.35E-12	2.64E-12	6.73E-15	1.63E-13	8.97679E-15	1.7833E-13	3.593E-09	3.5575E-06	4.44752E-07	1.13414E-12	2.72194E-14	5.66087E-13	4.52869E-15
556	570350.6	4178639	0.55, 41786	0.1161	0.09716	0.10841	92.63397	32.60646	103.61771	11.57925	4.08084	12.95221	4.01E-09	3.83E-06	4.79E-07	1.24E-12	3.74E-12	2.95E-12	7.52E-15	1.82E-13	1.00214E-14	1.99082E-13	4.012E-09	3.8337E-06	4.79277E-07	1.26612E-12	3.03869E-14	6.3196E-13	5.05568E-15
557	570390.6	4178639	0.55, 41786	0.13068	0.11086	0.1215	100.54346	34.97331	116.66288	12.56793	4.70976	14.58286	4.5E-09	4.32E-06	5.4E-07	1.39E-12	4.19E-12	3.31E-12	8.42E-15	2.03E-13	1.12315E-14	2.23121E-13	4.496E-09	4.3163E-06	5.39613E-07	1.419E-12	3.40561E-14	7.0827E-13	5.66616E-15
558	570430.6	4178639	0.55, 41786	0.14929	0.12834	0.13819	107.49924	37.52244	130.89362	13.4374	5.36035	16.3617	5.11E-09	4.84E-06	6.05E-07	1.58E-12	4.76E-12	3.76E-12	9.58E-15	2.31E-13	1.27744E-14	2.53772E-13	5.114E-09	4.8428E-06	6.05429E-07	1.61393E-12	3.87344E-14	8.05565E-13	6.44452E-15
559	570470.6	4178639	0.55, 41786	0.17443	0.15183	0.16061	116.62505	42.4162	145.19757	14.57813	6.05946	18.1497	5.94E-09	5.37E-06	6.72E-07	1.83E-12	5.54E-12	4.37E-12	1.11E-14	2.69E-13	1.48469E-14	2.94945E-13	5.943E-09	5.372E-06	6.71586E-07	1.87579E-12	4.50189E-14	9.36264E-13	7.49012E-15
560	570510.6	4178639	0.55, 41786	0.20768	0.18277	0.19013	127.00459	48.18252	156.06863	15.87557	6.71257	19.50858	7.04E-09	5.77E-06	7.22E-07	2.17E-12	6.56E-12	5.18E-12	1.32E-14	3.18E-13	1.75759E-14	3.49157E-13	7.036E-09	5.7742E-06	7.2187E-07	2.22056E-12	5.32935E-14	1.10835E-12	8.86683E-15
561	570550.6	4178639	0.55, 41786	0.2504	0.22269	0.22841	148.76746	59.99627	172.72318	18.59593	7.58374	21.5904	8.45E-09	6.39E-06	7.99E-07	2.61E-12	7.88E-12	6.22E-12	1.58E-14	3.83E-13	2.11146E-14	4.19456E-13	8.452E-09	6.3905E-06	7.98914E-07	2.66765E-12	6.40236E-14	1.33151E-12	1.06521E-14
562	570590.6	4178639	0.55, 41786	0.30521	0.27478	0.27907	162.38276	69.4472	222.88998	20.29784	10.74133	27.86125	1.03E-08	8.25E-06	1.03E-06	3.19E-12	9.62E-12	7.6E-12	1.93E-14	4.67E-13	2.57977E-14	5.1249E-13	1.033E-08	8.2465E-06	1.03092E-06	3.25933E-12	7.82239E-14	1.62683E-12	1.30147E-14
563	570630.6	4178639	0.55, 41786	0.37839	0.34592	0.35098	177.15033	78.68271	266.26636	23.7109	14.16715	33.28329	1.3E-08	9.85E-06	1.23E-06	4.01E-12	1.21E-11	9.56E-12	2.43E-14	5.88E-13	3.24452E-14	6.44547E-13	1.299E-08	9.8513E-06	1.23154E-06	4.09918E-12	9.83804E-14	2.04603E-12	1.63683E-14
564	570670.6	4178639	0.55, 41786	0.47152	0.44129	0.44999	194.04584	86.02037	313.51443	27.72083	17.24466	39.1893	1.67E-08	1.16E-05	1.45E-06	5.14E-12	1.55E-11	1.23E-11	3.12E-14	7.54E-13	4.15978E-14	8.2637E-13	1.665E-08	1.1599E-05	1.45007E-06	5.25553E-12	1.26133E-13	2.6232E-12	2.09856E-14
565	570710.6	4178639	0.55, 41786	0.59058	0.57043	0.57865	207.44684	93.90742	372.29223	29.63526	21.88085	53.1846	2.14E-08	1.38E-05	1.97E-06	6.61E-12	2E-11	1.58E-11	4.01E-14	9.69E-13	5.34914E-14	1.06264E-12	2.141E-08	1.3774E-05	1.96784E-06	6.75819E-12	1.62196E-13	3.37323E-12	2.69858E-14
566	570750.6	4178639	0.55, 41786	0.7421	0.74424	0.7234	219.27007	107.04803	379.32522	31.3243	27.05481	52.15596	2.68E-08	1.4E-05	1.93E-06	8.26E-12	2.49E-11	1.97E-11	5.02E-14	1.21E-12	6.6873E-14	1.32848E-12	2.677E-08	1.4034E-05	1.9298E-06	8.44884E-12	2.02772E-13	4.21709E-12	3.37367E-14
567	570790.6	4178639	0.55, 41786	0.94425	0.97087	0.85006	237.37937	117.94026	412.19598	33.01145	30.70173	55.76703	3.15E-08	1.53E-05	2.06E-06	9.71E-12	2.93E-11	2.32E-11	5.89E-14	1.42E-12	7.85842E-14	1.56113E-12	3.146E-08	1.525E-05	2.06341E-06	9.92845E-12	2.38283E-13	4.95561E-12	3.96449E-14
568	570830.6	4178639	0.55, 41786	1.23329	1.33292	0.96284	295.25944	130.22679	473.13116	42.69044	39.99654	61.26658	3.56E-08	1.75E-05	2.27E-06	1.1E-11	3.32E-11	2.62E-11	6.68E-14	1.61E-12	8.90159E-14	1.76836E-12	3.563E-08	1.7505E-05	2.26696E-06	1.12464E-11	2.69914E-13	5.61344E-12	4.49076E-14
569	570870.6	4178639	0.55, 41786	1.50989	1.73214	1.20169	317.24906	188.19869	615.93486	58.25942	53.82297	76.99186	4.45E-08	2.28E-05	2.85E-06	1.37E-11	4.14E-11	3.27E-11	8.33E-14	2.01E-12	1.11099E-13	2.20707E-12	4.447E-08	2.2788E-05	2.84886E-06	1.40365E-11	3.36876E-13	7.00606E-12	5.60484E-14
570	570910.6	4178639	0.55, 41786	1.78259	1.99297	1.30656	332.58479	179.86407	638.76492	63.94152	52.98497	79.84561	4.84E-08	2.36E-05	2.95E-06	1.49E-11	4.51E-11	3.56E-11	9.06E-14	2.19E-12	1.20798E-13	2.39973E-12	4.836E-08	2.3633E-05	2.95449E-06	1.52618E-11	3.66283E-13	7.61765E-12	6.09412E-14
571	570950.6	4178639	0.55, 41786	1.86524	1.94862	1.2876	326.77204	147.92341	425.10208	57.64661	41.4452	82.66786	4.77E-08	1.57E-05	3.06E-06	1.47E-11	4.44E-11	3.51E-11	8.93E-14	2.16E-12	1.19045E-13	2.36491E-12	4.765E-08	1.5728E-05	3.05884E-06	1.50403E-11	3.60967E-13	7.5071E-12	6.00568E-14
572	570990.6	4178639	0.55, 41786	1.76592	1.78245	1.25006	311.73236	122.31574	573.48464	43.80696	33.57582	91.70195	4.63E-08	2.12E-05	3.39E-06	1.43E-11	4.31E-11	3.4E-11	8.67E-14	2.09E-12	1.15571E-13	2.29591E-12	4.626E-08	2.1217E-05	3.39291E-06	1.46015E-11	3.50435E-13	7.28806E-12	5.83045E-14
573	571030.6	4178639	0.55, 41786	1.5977	1.58915	1.17717	263.38378	106.70114	334.97263	40.88022	26.80487	57.79917	4.36E-08	1.24E-05	2.14E-06	1.34E-11	4.06E-11	3.21E-11	8.16E-14	1.97E-12	1.0883E-13	2.16199E-12	4.356E-08	1.2393E-05	2.13866E-06	1.37498E-11	3.29995E-13	6.86296E-12	5.49037E-14
574	571070.6	4178639	0.55, 41786	1.42629	1.41473	1.18099	323.91584	92.06505	516.79706	44.84431	24.93328	64.76299	4.37E-08	1.91E-05	2.4E-06	1.35E-11	4.07E-11	3.22E-11	8.19E-14	1.98E-12	1.09179E-13	2.16892E-12	4.37E-08	1.912E-05	2.39633E-06	1.37938E-11	3.31052E-13	6.88495E-12	5.50796E-14
575	571110.6	4178639	0.55, 41786	1.27265	1.25146	1.07066	231.49813	85.11921	353.08688	34.4516	22.95032	48.16161	3.96E-08	1.31E-05	1.78E-06	1.22E-11	3.69E-11	2.92E-11	7.42E-14	1.79E-12	9.89785E-14	1.96628E-12	3.962E-08	1.3063E-05	1.78206E-06	1.25051E-11	3.00123E-13	6.2417E-12	4.99336E-14
576	571150.6	4178639	0.55, 41786	1.10067	1.1079	0.9372	235.36335	78.49538	345.02109	33.92291	20.75102	48.66179	3.47E-08	1.28E-05	1.8E-06	1.07E-11	3.23E-11	2.55E-11	6.5E-14	1.57E-12	8.66409E-14	1.72118E-12	3.468E-08	1.2765E-05	1.80056E-06	1.09463E-11	2.62712E-13	5.46367E-12	4.37094E-14
577	571190.6	4178639	0.55, 41786	0.96404	0.98605	0.85109	150.10185	73.9658	197.92558	22.00887	18.66835	28.93746	3.15E-08	7.32E-06	1.07E-06	9.72E-12	2.93E-11	2.32E-11	5.9E-14	1.43E-12	7.86798E-14	1.56303E-12	3.15E-08	7.323E-06	1.07075E-06	9.94053E-12	2.38573E-13	4.96164E-12	3.96931E-14
578	571230.6	4178639	0.55, 41786	0.85847	0.87787	0.78438	130.71922	65.23747	181.52397	20.98447	16.26127	28.21366	2.9E-08	6.72E-06	1.04E-06	8.96E-12	2.7E-11	2.14E-11	5.44E-14	1.31E-12	7.25119E-14	1.4405E-12	2.903E-08	6.7161E-06	1.04396E-06	9.16127E-12	2.19871E-13	4.57268E-12	3.65815E-14
579	571270.6	4178639	0.55, 41786	0.76521	0.78388	0.72231	147.71702	61.52416	210.17535	22.46264	14.29709	35.02922	2.67E-08	7.78E-06	1.3E-06	8.25E-12	2.49E-11	1.97E-11	5.01E-14	1.21E-12	6.67733E-14	1.3265E-12	2.673E-08	7.776E-06	1.29611E-06	8.43624E-12	2.0247E-13	4.2108E-12	3.36864E-14
580	571310.6	4178639	0.55, 41786	0.67814	0.70066	0.65218	136.41117	59.8434	199.34802	17.34958	13.40052	24.9185	2.41E-08	7.38E-06	9.22E-07	7.45E-12	2.25E-11	1.78E-11	4.52E-14	1.09E-12	6.029E-14	1.1977E-12	2.413E-08	7.3755E-06	9.22022E-07	7.61713E-12	1.82811E-13	3.80195E-12	3.04156E-14
581	571350.6	4178639	0.55, 41786	0.60279	0.6273	0.58324	124.67819	56.4143	162.56927	15.58477	12.33978	20.32116	2.16E-08	6.01E-06	7.52E-07	6.66E-12	2.01E-11	1.59E-11	4.04E-14	9.77E-13	5.39169E-14	1.0711E-12	2.158E-08	6.0148E-06	7.51928E-07	6.81195E-12	1.63487E-13	3.40006E-12	2.72005E-14
582	571390.6	4178639	0.55, 41786	0.54567	0.56561	0.53406	134.64293	53.30447	146.45838	19.4501	11.04071	20.47738	1.98E-08	5.42E-06	7.58E-07	6.1E-12	1.84E-11	1.45E-11	3.7E-14	8.94E-13	4.93703E-14	9.80776E-13	1.976E-08	5.4188E-06	7.57747E-07	6.23752E-12	1.49701E-13	3.11335E-12	2.49068E-14
583	571430.6	4178639	0.55, 41786	0.50035	0.51255	0.49968	147.79016	50.85435	197.85336	20.77571	9.97795	26.64502	1.85E-08	7.32E-06	9.86E-07	5.71E-12	1.72E-11	1.36E-11	3.46E-14	8.37E-13	4.61917E-14	9.1763E-13	1.849E-08	7.3201E-06	9.85929E-07	5.83593E-12	1.40062E-13	2.9129E-12	2.33032E-14
584	571470.6	4178639	0.55, 41786	0.45884	0.46513	0.46599	118.76181	47.03177	145.5886	16.94782	8.9119	19.9832	1.72E-08	5.39E-06	7.39E-07	5.32E-12	1.61E-11	1.27E-11	3.23E-14	7.8E-13	4.3077E-14	8.55755E-13	1.724E-08	5.3865E-06	7.3944E-07	5.44241E-12	1.30618E-13	2.71648E-12	2.17319E-14
585	571510.6	4178639	0.55, 41786	0.41516	0.4204	0.42431	105.04191	43.02213	132.76114	15.00599	7.61313	18.96588	1.57E-08	4.91E-06	7.02E-07	4.85E-12	1.46E-11	1.16E-11	2.94E-14	7.11E-13	3.92239E-14	7.79211E-13	1.57E-08	4.9119E-06	7.01785E-07	4.95561E-12	1.18935E-13	2.4735E-12	1.9788E-14
586	571550.6	4178639	0.55, 41786	0.37489	0.38245	0.3824	101.59712	41.64808	125.74417	13.25702	7.0054	15.71802	1.42E-08	4.65E-06	5.82E-07	4.37E-12	1.32E-11	1.04E-11	2.65E-14	6.4E-13	3.53498E-14	7.02248E-13	1.415E-08	4.6523E-06	5.81614E-07	4.46615E-12	1.07188E-13	2.2292E-12	1.78336E-14
587	571590.6	4178639	0.55, 41786	0.33863	0.34937	0.34405	106.83121	40.48294	130.44071	14.45913	6.53587	17.55635	1.27E-08	4.83E-06	6.5E-07	3.93E-12	1.19E-11	9.37E-12	2.39E-14	5.76E-13	3.18048E-14	6.31824E-13	1.273E-08	4.8261E-06	6.49634E-07	4.01826E-12	9.64383E-14	2.00564E-12	1.60451E-14
588	570310.6	4178679	0.55, 41786	0.10291	0.0869	0.09701	88.39628	30.98258	103.31105	11.04953	4.21243	12.91388	3.59E-09	3.82E-06	4.78E-07	1.11E-12	3.34E-12	2.64E-12	6.73E-15	1.62E-13	8.96758E-15	1.78147E-13	3.59E-09	3.8223E-06	4.77854E-07	1.13298E-12	2.71915E-14	5.65506E-13	4.52404E-15
589	570350.6	4178679	0.55, 41786	0.11574	0.09888	0.10892	93.23081	33.32166	112.3331	11.65385	4.76024	14.04164	4.03E-09	4.16E-06	5.2E-07	1.24E-12	3.76E-12	2.97E-12	7.55E-15	1.82E-13	1.00686E-14	2.00019E-13	4.03E-09	4.1561E-06	5.19581E-07	1.27208E-12	3.05299E-14	6.34935E-13	5.07948E-15
590	570390.6	4178679	0.55, 41786	0.13137	0.11361	0.12342	99.39798	36.831	119.21549	12.42475	5.26157	14.90194	4.57E-09	4.41E-06	5.51E-07	1.41E-12	4.26E-12	3.36E-12	8.56E-15	2.07E-13	1.1409E-14	2.26647E-13	4.567E-09	4.4108E-06	5.51415E-07	1.44143E-12	3.45943E-14	7.19463E-13	5.75571E-15
591	570430.6	4178679	0.55, 41786	0.15074	0.13191	0.14135	105.99103	39.73692	126.723	13.24888	5.6767	15.84037	5.23E-09	4.69E-06	5.86E-07	1.61E-12	4.87E-12	3.85E-12	9.8E-15	2.37E-13	1.30665E-14	2.59575E-13	5.231E-09	4.6885E-06	5.8614E-07	1.65084E-12	3.96201E-14	8.23987E-13	6.59189E-15
592	570470.6	4178679	0.55, 41786	0.17494	0.15487	0.16378	121.69462	47.75873	135.7735	15.21183	5.96984	16.97169	6.06E-09	5.02E-06	6.28E-07	1.87E-12	5.65E-12	4.46E-12	1.14E-14	2.74E-13	1.514E-14	3.00766E-13	6.061E-09	5.0234E-06	6.28013E-07	1.91281E-12	4.59074E-14	9.54743E-13	7.63795E-15
593	570510.6	4178679	0.55, 41786	0.2057	0.18414	0.19253	135.37794	56.46386	170.3708	16.92224	7.12807	21.29635	7.12E-09	6.3E-06	7.88E-07	2.2E-12	6.64E-12	5.24E-12	1.33E-14	3.22E-13	1.77977E-14	3.53564E-13	7.124E-09	6.3034E-06	7.88019E-07	2.24859E-12	5.39661E-14	1.12234E-12	8.97874E-15
594	570550.6	4178679	0.55, 41786	0.2434	0.22078	0.22908	142.10791	62.60325	200.29273	17.76349	9.55219	25.03659	8.48E-09	7.41E-06	9.26E-07	2.62E-12	7.9E-12	6.24E-12	1.59E-14	3.84E-13	2.11764E-14	4.20685E-13	8.477E-09	7.4104E-06	9.26395E-07	2.67547E-12	6.42112E-14	1.33541E-12	1.06833E-14
595	570590.6	4178679	0.55, 41786	0.29132	0.2684	0.27784	157.44437	70.02377	210.9671	21.20731	12.01595	26.37089	1.03E-08	7.81E-06	9.76E-07	3.17E-12	9.58E-12	7.57E-12	1.93E-14	4.65E-13	2.56839E-14	5.10229E-13	1.028E-08	7.8054E-06	9.75792E-07	3.24494E-12	7.78786E-14	1.61965E-12	1.29572E-14
596	570630.6	4178679	0.55, 41786	0.34871	0.32823	0.33909	170.78411	74.6949	263.98396	24.39773	14.09383	33.40233	1.25E-08	9.77E-06	1.24E-06	3.87E-12	1.17E-11	9.23E-12	2.35E-14	5.68E-13	3.13459E-14	6.22709E-13	1.255E-08	9.7668E-06	1.23595E-06	3.96029E-12	9.5047E-14	1.97671E-12	1.58137E-14
597	570670.6	4178679	0.55, 41786	0.41782	0.40379	0.41108	181.29369	80.27499	295.25985	25.8991	15.99045	42.12286	1.52E-08	1.09E-05	1.56E-06	4.69E-12	1.42E-11	1.12E-11	2.85E-14	6.88E-13	3.80009E-14	7.54914E-13	1.521E-08	1.0924E-05	1.55858E-06	4.80109E-12	1.15226E-13	2.39638E-12	1.9171E-14
598	570710.6	4178679	0.55, 41786	0.49876	0.49687	0.48618	185.88712	90.92914	287.65142	26.5553	19.21501	39.31628	1.8E-08	1.06E-05	1.45E-06	5.55E-12	1.68E-11	1.32E-11	3.37E-14	8.14E-13	4.49437E-14	8.92838E-13	1.799E-08	1.0643E-05	1.45475E-06	5.67826E-12	1.36278E-13	2.8342E-12	2.26736E-14
599	570750.6	4178679	0.55, 41786	0.59336	0.60818	0.55751	195.07014	97.11431	330.72411	27.40212	20.89244	45.57898	2.06E-08	1.22E-05	1.69E-06	6.37E-12	1.92E-11	1.52E-11	3.87E-14	9.34E-13	5.15386E-14	1.02385E-12	2.063E-08	1.2236E-05	1.68645E-06	6.51146E-12	1.56275E-13	3.25008E-12	2.60006E-14
600	570790.6	4178679	0.55, 41786	0.71288	0.74367	0.61675	232.56486	100.08812	327.08033	29.70634	25.09865	40.88504	2.28E-08	1.21E-05	1.51E-06	7.04E-12	2.13E-11	1.68E-11	4.28E-14	1.03E-12	5.70167E-14	1.13268E-12	2.282E-08	1.2101E-05	1.51282E-06	7.20358E-12	1.72886E-13	3.59554E-12	2.87643E-14
601	570830.6	4178679	0.55, 41786	0.82835	0.8948	0.66469	250.25968	113.32691	367.70207	36.36599	33.16876	46.21837	2.46E-08	1.36E-05	1.71E-06	7.59E-12	2.29E-11	1.81E-11	4.61E-14	1.11E-12	6.14509E-14	1.22077E-12	2.46E-08	1.3604E-05	1.71019E-06	7.7638E-12	1.86331E-13	3.87516E-12	3.10013E-14
602	570870.6	4178679	0.55, 41786	0.92801	1.04065	0.83445	269.45277	158.88347	492.55659	39.41339	35.15016	62.53118	3.09E-08	1.82E-05	2.31E-06	9.53E-12	2.88E-11	2.27E-11	5.79E-14	1.4E-12	7.71431E-14	1.5325E-12	3.088E-08	1.8224E-05	2.31371E-06	9.74638E-12	2.33913E-13	4.86473E-12	3.89179E-14
603	570910.6	4178679	0.55, 41786	1.03394	1.13081	0.83809	259.70616	144.94226	471.11442	42.20689	35.5523	58.8893	3.1E-08	1.74E-05	2.18E-06	9.57E-12	2.89E-11	2.28E-11	5.81E-14	1.4E-12	7.74818E-14	1.53923E-12	3.102E-08	1.743E-05	2.17901E-06	9.78918E-12	2.3494E-13	4.88609E-12	3.90887E-14
604	570950.6	4178679	0.55, 41786	1.05684	1.13643	0.82319	242.80014	123.49716	418.67106	39.92153	30.15323	58.18912	3.05E-08	1.55E-05	2.15E-06	9.4E-12	2.84E-11	2.24E-11	5.71E-14	1.38E-12	7.6105E-14	1.51188E-12	3.046E-08	1.549E-05	2.15308E-06	9.61523E-12	2.30766E-13	4.79927E-12	3.83941E-14
605	570990.6	4178679	0.55, 41786	1.01802	1.09421	0.82722	255.86386	105.93706	407.98363	37.15781	26.85338	67.99727	3.06E-08	1.51E-05	2.52E-06	9.45E-12	2.85E-11	2.25E-11	5.74E-14	1.39E-12	7.64764E-14	1.51926E-12	3.061E-08	1.5094E-05	2.5159E-06	9.66215E-12	2.31892E-13	4.82269E-12	3.85815E-14
606	571030.6	4178679	0.55, 41786	0.98373	1.03259	0.8073	224.24787	96.85684	406.17161	32.03518	21.71644	50.77145	2.99E-08	1.5E-05	1.88E-06	9.22E-12	2.78E-11	2.2E-11	5.6E-14	1.35E-12	7.4634E-14	1.48266E-12	2.988E-08	1.5027E-05	1.87859E-06	9.42937E-12	2.26305E-13	4.7065E-12	3.7652E-14
607	571070.6	4178679	0.55, 41786	0.92088	0.95493	0.77727	234.21131	81.25508	306.97474	29.84103	18.74017	38.37184	2.88E-08	1.14E-05	1.42E-06	8.88E-12	2.68E-11	2.12E-11	5.39E-14	1.3E-12	7.18568E-14	1.42749E-12	2.876E-08	1.1357E-05	1.41985E-06	9.0785E-12	2.17884E-13	4.53137E-12	3.62509E-14
608	571110.6	4178679	0.55, 41786	0.85296	0.87816	0.75636	249.82687	76.90023	376.11255	32.83771	18.41049	47.06858	2.8E-08	1.39E-05	1.74E-06	8.64E-12	2.61E-11	2.06E-11	5.24E-14	1.27E-12	6.99224E-14	1.38906E-12	2.799E-08	1.3915E-05	1.74161E-06	8.83411E-12	2.12019E-13	4.40939E-12	3.52751E-14
609	571150.6	4178679	0.55, 41786	0.78449	0.80428	0.7091	184.12399	71.8753	265.86204	26.94504	17.68151	37.98029	2.62E-08	9.84E-06	1.41E-06	8.1E-12	2.44E-11	1.93E-11	4.92E-14	1.19E-12	6.55529E-14	1.30226E-12	2.624E-08	9.8363E-06	1.40533E-06	8.28206E-12	1.9877E-13	4.13384E-12	3.30707E-14
610	571190.6	4178679	0.55, 41786	0.70872	0.73542	0.64227	192.12547	69.23049	267.93218	27.25383	16.04767	37.1098	2.38E-08	9.91E-06	1.37E-06	7.33E-12	2.21E-11	1.75E-11	4.45E-14	1.08E-12	5.9375E-14	1.17953E-12	2.377E-08	9.9128E-06	1.37313E-06	7.50153E-12	1.80037E-13	3.74425E-12	2.9954E-14
611	571230.6	4178679	0.55, 41786	0.64141	0.6715	0.58509	152.95792	62.82263	210.7281	21.78847	14.44714	29.62503	2.17E-08	7.8E-06	1.1E-06	6.68E-12	2.02E-11	1.59E-11	4.06E-14	9.8E-13	5.4089E-14	1.07452E-12	2.165E-08	7.7965E-06	1.09618E-06	6.83369E-12	1.64008E-13	3.41091E-12	2.72873E-14
612	571270.6	4178679	0.55, 41786	0.5854	0.61191	0.54631	124.65244	57.66905	171.62004	20.54509	12.75642	28.60334	2.02E-08	6.35E-06	1.06E-06	6.24E-12	1.88E-11	1.49E-11	3.79E-14	9.15E-13	5.05036E-14	1.00329E-12	2.022E-08	6.3496E-06	1.05837E-06	6.3807E-12	1.53137E-13	3.18481E-12	2.54785E-14
613	571310.6	4178679	0.55, 41786	0.53447	0.5582	0.50849	125.80787	55.1913	171.33448	17.97255	11.70277	24.47635	1.88E-08	6.34E-06	9.06E-07	5.81E-12	1.75E-11	1.38E-11	3.53E-14	8.52E-13	4.7007E-14	9.33827E-13	1.882E-08	6.3391E-06	9.05672E-07	5.93894E-12	1.42535E-13	2.96431E-12	2.37145E-14
614	571350.6	4178679	0.55, 41786	0.48504	0.50906	0.46427	111.39997	53.56601	157.83086	13.925	11.19981	19.72886	1.72E-08	5.84E-06	7.3E-07	5.3E-12	1.6E-11	1.26E-11	3.22E-14	7.78E-13	4.29191E-14	8.52618E-13	1.718E-08	5.8395E-06	7.3E-07	5.42247E-12	1.30139E-13	2.70653E-12	2.16522E-14
615	571390.6	4178679	0.55, 41786	0.44312	0.4655	0.42576	107.51836	51.27371	117.14548	13.43979	10.40254	14.64318	1.58E-08	4.33E-06	5.42E-07	4.86E-12	1.47E-11	1.16E-11	2.95E-14	7.13E-13	3.9359E-14	7.81895E-13	1.576E-08	4.3343E-06	5.41853E-07	4.97268E-12	1.19344E-13	2.48202E-12	1.98562E-14
616	571430.6	4178679	0.55, 41786	0.41031	0.42684	0.39928	122.12368	48.88835	136.65658	17.23844	9.36082	18.91196	1.48E-08	5.06E-06	7E-07	4.56E-12	1.38E-11	1.09E-11	2.77E-14	6.69E-13	3.69109E-14	7.33261E-13	1.478E-08	5.0561E-06	6.99813E-07	4.66338E-12	1.11921E-13	2.32764E-12	1.86211E-14
617	571470.6	4178679	0.55, 41786	0.38401	0.39267	0.38101	130.83453	46.56818	169.29762	18.03085	8.50414	22.62935	1.41E-08	6.26E-06	8.37E-07	4.35E-12	1.31E-11	1.04E-11	2.64E-14	6.38E-13	3.52216E-14	6.99701E-13	1.41E-08	6.2636E-06	8.37343E-07	4.44995E-12	1.06799E-13	2.22111E-12	1.77689E-14
618	571510.6	4178679	0.55, 41786	0.35733	0.36026	0.36021	104.69184	43.30646	125.50481	14.57371	7.68103	16.95061	1.33E-08	4.64E-06	6.27E-07	4.11E-12	1.24E-11	9.81E-12	2.5E-14	6.03E-13	3.32985E-14	6.61498E-13	1.333E-08	4.6435E-06	6.27227E-07	4.20699E-12	1.00968E-13	2.09984E-12	1.67987E-14
619	571550.6	4178679	0.55, 41786	0.32923	0.33046	0.33426	93.91251	40.06683	115.0705	13.41607	6.60436	16.43864	1.24E-08	4.26E-06	6.08E-07	3.82E-12	1.15E-11	9.1E-12	2.32E-14	5.6E-13	3.08995E-14	6.13841E-13	1.237E-08	4.2574E-06	6.08275E-07	3.9039E-12	9.36935E-14	1.94856E-12	1.55885E-14
620	571590.6	4178679	0.55, 41786	0.30119	0.30402	0.3057	90.51235	37.8645	108.48539	11.49242	5.95997	13.56067	1.13E-08	4.01E-06	5.02E-07	3.49E-12	1.05E-11	8.33E-12	2.12E-14	5.12E-13	2.82595E-14	5.61394E-13	1.131E-08	4.0138E-06	5.01786E-07	3.57034E-12	8.56883E-14	1.78207E-12	1.42566E-14
621	570310.6	4178719	0.55, 41787	0.10285	0.08839	0.09803	86.08959	31.99227	98.88317	10.7612	4.57032	12.3604	3.63E-09	3.66E-06	4.57E-07	1.12E-12	3.38E-12	2.67E-12	6.8E-15	1.64E-13	9.06188E-15	1.80021E-13	3.627E-09	3.6585E-06	4.57375E-07	1.14489E-12	2.74774E-14	5.71452E-13	4.57162E-15
622	570350.6	4178719	0.55, 41787	0.11563	0.10049	0.11012	90.6137	34.18211	105.82439	11.32671	4.88316	13.22805	4.07E-09	3.92E-06	4.89E-07	1.26E-12	3.8E-12	3E-12	7.63E-15	1.84E-13	1.01795E-14	2.02223E-13	4.075E-09	3.9153E-06	4.89479E-07	1.28609E-12	3.08663E-14	6.41931E-13	5.13545E-15
623	570390.6	4178719	0.55, 41787	0.13114	0.11521	0.12472	102.01088	38.97546	110.90458	12.75136	5.08393	13.86307	4.62E-09	4.1E-06	5.13E-07	1.42E-12	4.3E-12	3.4E-12	8.65E-15	2.09E-13	1.15292E-14	2.29035E-13	4.615E-09	4.1033E-06	5.12986E-07	1.45661E-12	3.49587E-14	7.27042E-13	5.81633E-15
624	570430.6	4178719	0.55, 41787	0.15	0.13322	0.1425	114.28488	46.41789	135.81295	14.28561	5.80224	16.97662	5.27E-09	5.02E-06	6.28E-07	1.63E-12	4.91E-12	3.88E-12	9.88E-15	2.39E-13	1.31728E-14	2.61687E-13	5.273E-09	5.0249E-06	6.28186E-07	1.66427E-12	3.99425E-14	8.30691E-13	6.64552E-15
625	570470.6	4178719	0.55, 41787	0.17288	0.1553	0.16447	122.16306	52.59309	158.80652	15.27038	6.67803	19.85082	6.09E-09	5.88E-06	7.35E-07	1.88E-12	5.67E-12	4.48E-12	1.14E-14	2.75E-13	1.52037E-14	3.02033E-13	6.086E-09	5.8756E-06	7.34525E-07	1.92086E-12	4.61007E-14	9.58765E-13	7.67012E-15
626	570510.6	4178719	0.55, 41787	0.1999	0.18201	0.19124	126.87173	56.8638	170.00598	15.85897	8.56143	21.25075	7.08E-09	6.29E-06	7.86E-07	2.18E-12	6.59E-12	5.21E-12	1.33E-14	3.2E-13	1.76784E-14	3.51194E-13	7.077E-09	6.2899E-06	7.86321E-07	2.23352E-12	5.36044E-14	1.11482E-12	8.91856E-15
627	570550.6	4178719	0.55, 41787	0.2328	0.21534	0.22528	141.7684	62.68438	190.3461	19.27806	10.36338	23.79326	8.34E-09	7.04E-06	8.8E-07	2.57E-12	7.77E-12	6.14E-12	1.56E-14	3.77E-13	2.08251E-14	4.13706E-13	8.336E-09	7.0425E-06	8.80414E-07	2.63108E-12	6.31459E-14	1.31326E-12	1.0506E-14
628	570590.6	4178719	0.55, 41787	0.2704	0.25529	0.2651	152.6333	65.86327	220.26265	21.80476	11.76563	29.62209	9.81E-09	8.15E-06	1.1E-06	3.03E-12	9.14E-12	7.22E-12	1.84E-14	4.44E-13	2.45061E-14	4.86832E-13	9.81E-09	8.1493E-06	1.09607E-06	3.09615E-12	7.43075E-14	1.54539E-12	1.23631E-14
629	570630.6	4178719	0.55, 41787	0.31352	0.30328	0.30884	160.25221	70.5161	243.59554	22.89317	12.52474	34.32359	1.14E-08	9.01E-06	1.27E-06	3.53E-12	1.06E-11	8.41E-12	2.14E-14	5.17E-13	2.85497E-14	5.67159E-13	1.143E-08	9.0125E-06	1.27001E-06	3.60701E-12	8.65682E-14	1.80037E-12	1.4403E-14
630	570670.6	4178719	0.55, 41787	0.36149	0.3594	0.35242	159.13882	79.23774	228.99362	22.73412	14.05012	31.24302	1.3E-08	8.47E-06	1.16E-06	4.02E-12	1.22E-11	9.6E-12	2.44E-14	5.9E-13	3.25786E-14	6.47196E-13	1.304E-08	8.4724E-06	1.15605E-06	4.11603E-12	9.87847E-14	2.05444E-12	1.64355E-14
631	570710.6	4178719	0.55, 41787	0.41184	0.42167	0.39325	168.39934	82.78202	268.08178	23.84947	15.22445	37.49142	1.46E-08	9.92E-06	1.39E-06	4.49E-12	1.36E-11	1.07E-11	2.73E-14	6.59E-13	3.63535E-14	7.22188E-13	1.455E-08	9.9185E-06	1.38722E-06	4.59296E-12	1.10231E-13	2.29249E-12	1.83399E-14
632	570750.6	4178719	0.55, 41787	0.46631	0.48852	0.43046	193.26616	81.97611	266.60906	24.83922	16.78199	33.32613	1.59E-08	9.86E-06	1.23E-06	4.92E-12	1.48E-11	1.17E-11	2.98E-14	7.21E-13	3.9794E-14	7.90535E-13	1.593E-08	9.864E-06	1.23313E-06	5.02763E-12	1.20663E-13	2.50945E-12	2.00756E-14
633	570790.6	4178719	0.55, 41787	0.5297	0.5627	0.45402	208.56721	92.88706	267.98327	26.09236	23.00092	33.50993	1.68E-08	9.91E-06	1.24E-06	5.18E-12	1.57E-11	1.24E-11	3.15E-14	7.6E-13	4.19732E-14	8.33826E-13	1.68E-08	9.915E-06	1.23995E-06	5.30296E-12	1.27271E-13	2.64687E-12	2.1175E-14
634	570830.6	4178719	0.55, 41787	0.58417	0.63922	0.49731	206.25232	102.59816	258.13483	28.9378	25.69667	32.26685	1.84E-08	9.55E-06	1.19E-06	5.68E-12	1.71E-11	1.35E-11	3.45E-14	8.33E-13	4.59758E-14	9.13341E-13	1.84E-08	9.5507E-06	1.19399E-06	5.80865E-12	1.39408E-13	2.89928E-12	2.31943E-14
635	570870.6	4178719	0.55, 41787	0.63384	0.71183	0.60618	208.40577	136.85909	408.7133	28.70976	24.7437	51.08916	2.24E-08	1.51E-05	1.89E-06	6.92E-12	2.09E-11	1.65E-11	4.2E-14	1.02E-12	5.60389E-14	1.11325E-12	2.243E-08	1.5122E-05	1.89031E-06	7.08005E-12	1.69921E-13	3.53388E-12	2.8271E-14
636	570910.6	4178719	0.55, 41787	0.68401	0.75343	0.58123	211.07044	124.31957	366.90455	30.70854	25.49482	45.86307	2.15E-08	1.36E-05	1.7E-06	6.64E-12	2E-11	1.58E-11	4.03E-14	9.73E-13	5.37342E-14	1.06747E-12	2.151E-08	1.3575E-05	1.69699E-06	6.78887E-12	1.62933E-13	3.38854E-12	2.71083E-14
637	570950.6	4178719	0.55, 41787	0.69007	0.76497	0.57081	207.10313	108.18225	376.87466	30.79195	24.65468	47.10933	2.11E-08	1.39E-05	1.74E-06	6.52E-12	1.97E-11	1.55E-11	3.96E-14	9.56E-13	5.27715E-14	1.04834E-12	2.112E-08	1.3943E-05	1.7431E-06	6.66724E-12	1.60014E-13	3.32783E-12	2.66226E-14
638	570990.6	4178719	0.55, 41787	0.68048	0.74999	0.58632	206.58356	95.47159	294.44278	32.17827	21.60129	36.80535	2.17E-08	1.09E-05	1.36E-06	6.7E-12	2.02E-11	1.6E-11	4.07E-14	9.82E-13	5.42045E-14	1.07681E-12	2.17E-08	1.0894E-05	1.36192E-06	6.84829E-12	1.64359E-13	3.4182E-12	2.73456E-14
639	571030.6	4178719	0.55, 41787	0.66194	0.72353	0.59736	210.3532	86.11281	328.15995	30.372	18.42489	51.15716	2.21E-08	1.21E-05	1.89E-06	6.82E-12	2.06E-11	1.63E-11	4.14E-14	1E-12	5.52242E-14	1.09707E-12	2.211E-08	1.2141E-05	1.89284E-06	6.97711E-12	1.67451E-13	3.4825E-12	2.786E-14
640	571070.6	4178719	0.55, 41787	0.64029	0.68839	0.56269	181.70859	76.31707	252.84162	22.73215	15.52213	31.6052	2.08E-08	9.35E-06	1.17E-06	6.43E-12	1.94E-11	1.53E-11	3.9E-14	9.42E-13	5.20192E-14	1.0334E-12	2.082E-08	9.3546E-06	1.16945E-06	6.57219E-12	1.57733E-13	3.28039E-12	2.62431E-14
641	571110.6	4178719	0.55, 41787	0.60626	0.64543	0.53034	207.95149	70.27092	268.27126	26.16426	14.32632	33.53391	1.96E-08	9.93E-06	1.24E-06	6.06E-12	1.83E-11	1.44E-11	3.68E-14	8.88E-13	4.90285E-14	9.73985E-13	1.963E-08	9.9254E-06	1.24083E-06	6.19434E-12	1.48664E-13	3.09179E-12	2.47343E-14
642	571150.6	4178719	0.55, 41787	0.57256	0.60327	0.52806	200.64391	66.12781	289.68563	25.68735	14.52342	36.23202	1.95E-08	1.07E-05	1.34E-06	6.03E-12	1.82E-11	1.44E-11	3.66E-14	8.84E-13	4.88167E-14	9.69779E-13	1.954E-08	1.0718E-05	1.34064E-06	6.16758E-12	1.48022E-13	3.07844E-12	2.46275E-14
643	571190.6	4178719	0.55, 41787	0.53842	0.56251	0.50995	154.3512	63.9477	213.38711	22.19645	14.00077	30.48387	1.89E-08	7.89E-06	1.13E-06	5.82E-12	1.76E-11	1.39E-11	3.54E-14	8.54E-13	4.7142E-14	9.3651E-13	1.887E-08	7.8949E-06	1.12796E-06	5.956E-12	1.42944E-13	2.97283E-12	2.37826E-14
644	571230.6	4178719	0.55, 41787	0.49735	0.52247	0.4676	159.72675	60.41971	199.28282	22.34048	12.75874	27.30767	1.73E-08	7.37E-06	1.01E-06	5.34E-12	1.61E-11	1.27E-11	3.24E-14	7.83E-13	4.32272E-14	8.58738E-13	1.73E-08	7.3731E-06	1.01046E-06	5.46139E-12	1.31073E-13	2.72595E-12	2.18076E-14
645	571270.6	4178719	0.55, 41787	0.45612	0.4836	0.42898	144.14128	55.22387	195.55309	20.17616	11.51496	26.9261	1.59E-08	7.24E-06	9.96E-07	4.9E-12	1.48E-11	1.17E-11	2.97E-14	7.18E-13	3.96571E-14	7.87815E-13	1.587E-08	7.235E-06	9.96321E-07	5.01034E-12	1.20248E-13	2.50082E-12	2.00065E-14
646	571310.6	4178719	0.55, 41787	0.42006	0.44717	0.39945	118.44349	52.26024	154.81704	17.97136	10.56882	25.80284	1.48E-08	5.73E-06	9.55E-07	4.56E-12	1.38E-11	1.09E-11	2.77E-14	6.69E-13	3.69271E-14	7.33582E-13	1.478E-08	5.728E-06	9.54744E-07	4.66543E-12	1.1197E-13	2.32866E-12	1.86293E-14
647	571350.6	4178719	0.55, 41787	0.38785	0.41385	0.37184	109.17018	50.24459	147.83356	14.07795	10.0186	18.4792	1.38E-08	5.47E-06	6.84E-07	4.25E-12	1.28E-11	1.01E-11	2.58E-14	6.23E-13	3.43746E-14	6.82876E-13	1.376E-08	5.4696E-06	6.83771E-07	4.34294E-12	1.04231E-13	2.1677E-12	1.73416E-14
648	571390.6	4178719	0.55, 41787	0.35875	0.38356	0.34391	87.70597	48.80309	113.13015	10.96325	9.64341	14.14127	1.27E-08	4.19E-06	5.23E-07	3.93E-12	1.19E-11	9.37E-12	2.38E-14	5.76E-13	3.17927E-14	6.31583E-13	1.273E-08	4.1857E-06	5.2326E-07	4.01673E-12	9.64016E-14	2.00488E-12	1.6039E-14
649	571430.6	4178719	0.55, 41787	0.33385	0.35563	0.32061	80.9107	47.09106	69.47289	11.59229	8.99084	10.76512	1.19E-08	2.57E-06	3.98E-07	3.66E-12	1.11E-11	8.73E-12	2.22E-14	5.37E-13	2.96386E-14	5.88793E-13	1.186E-08	2.5706E-06	3.98367E-07	3.74459E-12	8.98702E-14	1.86905E-12	1.49524E-14
650	571470.6	4178719	0.55, 41787	0.31507	0.33052	0.30587	111.40642	45.19171	126.48359	15.57659	8.16367	17.53078	1.13E-08	4.68E-06	6.49E-07	3.49E-12	1.05E-11	8.33E-12	2.12E-14	5.12E-13	2.82758E-14	5.61719E-13	1.132E-08	4.6797E-06	6.487E-07	3.57241E-12	8.57378E-14	1.7831E-12	1.42648E-14
651	571510.6	4178719	0.55, 41787	0.29891	0.30701	0.29518	116.70467	43.07153	146.87884	15.95519	7.46065	19.6972	1.09E-08	5.43E-06	7.29E-07	3.37E-12	1.02E-11	8.04E-12	2.05E-14	4.94E-13	2.72873E-14	5.42081E-13	1.092E-08	5.4342E-06	7.28849E-07	3.44752E-12	8.27405E-14	1.72077E-12	1.37661E-14
652	571550.6	4178719	0.55, 41787	0.28299	0.28542	0.28355	93.20798	40.2806	109.70993	12.81909	6.80365	14.78577	1.05E-08	4.06E-06	5.47E-07	3.24E-12	9.78E-12	7.72E-12	1.97E-14	4.75E-13	2.6212E-14	5.20719E-13	1.049E-08	4.0591E-06	5.47122E-07	3.31166E-12	7.94798E-14	1.65296E-12	1.32236E-14
653	571590.6	4178719	0.55, 41787	0.2649	0.26495	0.26753	84.18961	37.57199	100.50298	12.02709	5.93847	14.35757	9.9E-09	3.72E-06	5.31E-07	3.05E-12	9.22E-12	7.29E-12	1.85E-14	4.48E-13	2.47309E-14	4.91297E-13	9.9E-09	3.7185E-06	5.31273E-07	3.12454E-12	7.49891E-14	1.55956E-12	1.24765E-14
654	570310.6	4178759	0.55, 41787	0.10291	0.08971	0.0989	86.89901	32.22927	93.76167	10.86238	4.40505	11.72021	3.66E-09	3.47E-06	4.34E-07	1.13E-12	3.41E-12	2.69E-12	6.86E-15	1.66E-13	9.14231E-15	1.81618E-13	3.66E-09	3.469E-06	4.33693E-07	1.15505E-12	2.77213E-14	5.76524E-13	4.61219E-15
655	570350.6	4178759	0.55, 41787	0.11544	0.10167	0.11074	97.89636	38.6449	111.66772	12.23704	4.83061	13.95846	4.1E-09	4.13E-06	5.17E-07	1.26E-12	3.82E-12	3.02E-12	7.68E-15	1.85E-13	1.02368E-14	2.03362E-13	4.098E-09	4.1315E-06	5.1651E-07	1.29334E-12	3.10401E-14	6.45546E-13	5.16437E-15
656	570390.6	4178759	0.55, 41787	0.13027	0.11595	0.12485	105.67733	44.34348	129.76492	13.20967	5.54293	16.22061	4.62E-09	4.8E-06	6E-07	1.43E-12	4.3E-12	3.4E-12	8.66E-15	2.09E-13	1.15412E-14	2.29274E-13	4.62E-09	4.8011E-06	6.00207E-07	1.45813E-12	3.49952E-14	7.278E-13	5.8224E-15
657	570430.6	4178759	0.55, 41787	0.14773	0.133	0.14184	109.21499	48.49986	141.11126	13.65187	6.24447	17.63891	5.25E-09	5.22E-06	6.53E-07	1.62E-12	4.89E-12	3.86E-12	9.83E-15	2.38E-13	1.31118E-14	2.60475E-13	5.249E-09	5.2209E-06	6.5268E-07	1.65656E-12	3.97575E-14	8.26843E-13	6.61475E-15
658	570470.6	4178759	0.55, 41787	0.16767	0.15301	0.16202	117.79795	52.53636	140.35154	14.72474	7.71399	17.54394	6E-09	5.19E-06	6.49E-07	1.85E-12	5.59E-12	4.41E-12	1.12E-14	2.71E-13	1.49773E-14	2.97534E-13	5.995E-09	5.1928E-06	6.49178E-07	1.89225E-12	4.5414E-14	9.44482E-13	7.55586E-15
659	570510.6	4178759	0.55, 41787	0.191	0.17712	0.1864	128.29828	56.17436	171.94141	17.6792	9.03197	21.49268	6.9E-09	6.36E-06	7.95E-07	2.13E-12	6.43E-12	5.08E-12	1.29E-14	3.12E-13	1.7231E-14	3.42306E-13	6.898E-09	6.3615E-06	7.95289E-07	2.17699E-12	5.22477E-14	1.0866E-12	8.69284E-15
660	570550.6	4178759	0.55, 41787	0.21672	0.20498	0.21341	137.63049	58.52483	184.29573	19.6615	9.95092	26.17497	7.9E-09	6.82E-06	9.69E-07	2.44E-12	7.36E-12	5.81E-12	1.48E-14	3.57E-13	1.97279E-14	3.91908E-13	7.897E-09	6.8186E-06	9.68528E-07	2.49245E-12	5.98188E-14	1.24406E-12	9.95248E-15
661	570590.6	4178759	0.55, 41787	0.24504	0.23724	0.24166	142.23889	62.68425	205.21483	20.31984	10.25836	28.57469	8.94E-09	7.59E-06	1.06E-06	2.76E-12	8.33E-12	6.58E-12	1.68E-14	4.05E-13	2.23394E-14	4.43788E-13	8.942E-09	7.5925E-06	1.05731E-06	2.8224E-12	6.77376E-14	1.40875E-12	1.127E-14
662	570630.6	4178759	0.55, 41787	0.27554	0.27375	0.26892	139.19636	70.02218	188.40794	19.61007	11.07526	25.7042	9.95E-09	6.97E-06	9.51E-07	3.07E-12	9.27E-12	7.32E-12	1.86E-14	4.5E-13	2.48596E-14	4.93854E-13	9.951E-09	6.9708E-06	9.51112E-07	3.1408E-12	7.53793E-14	1.56768E-12	1.25414E-14
663	570670.6	4178759	0.55, 41787	0.30614	0.31293	0.29402	149.31547	72.47289	221.2081	21.10931	12.07881	31.37185	1.09E-08	8.18E-06	1.16E-06	3.36E-12	1.01E-11	8.01E-12	2.04E-14	4.92E-13	2.71802E-14	5.39955E-13	1.088E-08	8.1843E-06	1.1608E-06	3.434E-12	8.24159E-14	1.71402E-12	1.37121E-14
664	570710.6	4178759	0.55, 41787	0.33494	0.35231	0.31792	164.794	71.08708	213.69891	21.55176	13.08376	26.71236	1.18E-08	7.91E-06	9.88E-07	3.63E-12	1.1E-11	8.66E-12	2.2E-14	5.32E-13	2.939E-14	5.83852E-13	1.176E-08	7.9065E-06	9.88428E-07	3.71318E-12	8.91162E-14	1.85336E-12	1.48269E-14
665	570750.6	4178759	0.55, 41787	0.36674	0.3924	0.33661	179.38877	78.60477	216.64393	22.4236	16.36841	27.08049	1.25E-08	8.02E-06	1E-06	3.84E-12	1.16E-11	9.17E-12	2.33E-14	5.64E-13	3.11182E-14	6.18186E-13	1.246E-08	8.0155E-06	1.00206E-06	3.93153E-12	9.43566E-14	1.96235E-12	1.56988E-14
666	570790.6	4178759	0.55, 41787	0.40357	0.43625	0.34677	166.36606	82.34558	242.62848	21.7564	19.87746	30.35713	1.28E-08	8.98E-06	1.12E-06	3.96E-12	1.2E-11	9.44E-12	2.4E-14	5.81E-13	3.20583E-14	6.3686E-13	1.283E-08	8.9768E-06	1.12327E-06	4.05029E-12	9.72071E-14	2.02163E-12	1.6173E-14
667	570830.6	4178759	0.55, 41787	0.43354	0.48203	0.39259	188.6599	98.62945	246.30784	24.95504	19.43466	30.78848	1.45E-08	9.11E-06	1.14E-06	4.48E-12	1.35E-11	1.07E-11	2.72E-14	6.57E-13	3.62939E-14	7.21004E-13	1.453E-08	9.1131E-06	1.13926E-06	4.58543E-12	1.1005E-13	2.28874E-12	1.83099E-14
668	570870.6	4178759	0.55, 41787	0.46387	0.52331	0.45582	172.12292	120.25167	329.63715	21.51536	18.67269	41.20464	1.69E-08	1.22E-05	1.52E-06	5.21E-12	1.57E-11	1.24E-11	3.16E-14	7.63E-13	4.21384E-14	8.3711E-13	1.687E-08	1.2196E-05	1.52456E-06	5.32384E-12	1.27772E-13	2.6573E-12	2.12584E-14
669	570910.6	4178759	0.55, 41787	0.49085	0.54778	0.42691	176.15826	108.72169	296.15879	23.43896	19.655	37.01985	1.58E-08	1.1E-05	1.37E-06	4.88E-12	1.47E-11	1.16E-11	2.96E-14	7.15E-13	3.94673E-14	7.84046E-13	1.58E-08	1.0957E-05	1.36977E-06	4.98636E-12	1.19673E-13	2.48885E-12	1.99108E-14
670	570950.6	4178759	0.55, 41787	0.48762	0.55475	0.41816	180.46301	97.04885	324.78811	24.36206	20.46933	40.59851	1.55E-08	1.2E-05	1.5E-06	4.78E-12	1.44E-11	1.14E-11	2.9E-14	7E-13	3.86588E-14	7.67985E-13	1.548E-08	1.2016E-05	1.50217E-06	4.88422E-12	1.17221E-13	2.43787E-12	1.95029E-14
671	570990.6	4178759	0.55, 41787	0.49051	0.55159	0.43765	151.23194	87.28492	222.11928	25.20532	17.38113	28.62893	1.62E-08	8.22E-06	1.06E-06	5E-12	1.51E-11	1.19E-11	3.03E-14	7.33E-13	4.04599E-14	8.03765E-13	1.62E-08	8.2181E-06	1.05937E-06	5.11177E-12	1.22683E-13	2.55145E-12	2.04116E-14
672	571030.6	4178759	0.55, 41787	0.48428	0.53663	0.45626	187.58168	78.86438	272.43541	28.06386	15.68835	45.4059	1.69E-08	1.01E-05	1.68E-06	5.21E-12	1.57E-11	1.24E-11	3.16E-14	7.64E-13	4.21795E-14	8.37925E-13	1.688E-08	1.008E-05	1.68005E-06	5.32902E-12	1.27896E-13	2.65988E-12	2.12791E-14
673	571070.6	4178759	0.55, 41787	0.467	0.51625	0.43604	163.79974	72.83551	258.94072	22.54296	13.46245	32.36759	1.61E-08	9.58E-06	1.2E-06	4.98E-12	1.5E-11	1.19E-11	3.02E-14	7.3E-13	4.03103E-14	8.00792E-13	1.614E-08	9.5802E-06	1.19765E-06	5.09287E-12	1.22229E-13	2.54201E-12	2.03361E-14
674	571110.6	4178759	0.55, 41787	0.44755	0.4933	0.39624	157.0432	65.36033	149.25903	19.63651	11.35189	22.10234	1.47E-08	5.52E-06	8.18E-07	4.52E-12	1.37E-11	1.08E-11	2.75E-14	6.64E-13	3.66315E-14	7.27711E-13	1.466E-08	5.5225E-06	8.17863E-07	4.62809E-12	1.11074E-13	2.31003E-12	1.84802E-14
675	571150.6	4178759	0.55, 41787	0.4302	0.46818	0.38775	183.98767	62.14189	232.46693	23.05685	11.54043	29.05837	1.43E-08	8.6E-06	1.08E-06	4.43E-12	1.34E-11	1.06E-11	2.69E-14	6.49E-13	3.58463E-14	7.12112E-13	1.435E-08	8.6007E-06	1.07523E-06	4.52888E-12	1.08693E-13	2.26051E-12	1.80841E-14
676	571190.6	4178759	0.55, 41787	0.41561	0.44245	0.39452	166.33485	59.4631	232.20811	21.02615	11.70076	29.03347	1.46E-08	8.59E-06	1.07E-06	4.51E-12	1.36E-11	1.07E-11	2.74E-14	6.61E-13	3.64713E-14	7.24529E-13	1.46E-08	8.5911E-06	1.07429E-06	4.60785E-12	1.10588E-13	2.29992E-12	1.83994E-14
677	571230.6	4178759	0.55, 41787	0.39577	0.41616	0.38297	133.04594	57.55284	174.38403	19.00656	11.25795	24.912	1.42E-08	6.45E-06	9.22E-07	4.37E-12	1.32E-11	1.04E-11	2.66E-14	6.41E-13	3.54033E-14	7.03311E-13	1.417E-08	6.4519E-06	9.21799E-07	4.47291E-12	1.0735E-13	2.23257E-12	1.78606E-14
678	571270.6	4178759	0.55, 41787	0.36933	0.38979	0.3568	133.93343	52.76944	163.09994	18.49966	10.32502	20.38749	1.32E-08	6.03E-06	7.54E-07	4.07E-12	1.23E-11	9.72E-12	2.47E-14	5.98E-13	3.29841E-14	6.55252E-13	1.32E-08	6.0344E-06	7.54412E-07	4.16726E-12	1.00014E-13	2.08001E-12	1.66401E-14
679	571310.6	4178759	0.55, 41787	0.3411	0.36413	0.32902	131.1619	50.25063	168.23883	18.11843	9.56125	22.87944	1.22E-08	6.22E-06	8.47E-07	3.76E-12	1.13E-11	8.96E-12	2.28E-14	5.51E-13	3.04161E-14	6.04237E-13	1.218E-08	6.2245E-06	8.46596E-07	3.84282E-12	9.22276E-14	1.91807E-12	1.53446E-14
680	571350.6	4178759	0.55, 41787	0.31543	0.34037	0.30452	103.20737	47.94128	136.71003	14.62528	9.08266	18.8743	1.13E-08	5.06E-06	6.98E-07	3.48E-12	1.05E-11	8.29E-12	2.11E-14	5.1E-13	2.81513E-14	5.59245E-13	1.127E-08	5.0581E-06	6.98393E-07	3.55668E-12	8.53602E-14	1.77525E-12	1.4202E-14
681	571390.6	4178759	0.55, 41787	0.29206	0.31801	0.28181	95.20975	46.26011	128.00267	11.90122	8.7596	16.00033	1.04E-08	4.74E-06	5.92E-07	3.22E-12	9.72E-12	7.68E-12	1.95E-14	4.72E-13	2.60519E-14	5.1754E-13	1.043E-08	4.7359E-06	5.92044E-07	3.29144E-12	7.89946E-14	1.64286E-12	1.31429E-14
682	571430.6	4178759	0.55, 41787	0.27184	0.29676	0.26169	65.82255	44.97926	77.28464	8.48847	8.42183	11.06277	9.68E-09	2.86E-06	4.09E-07	2.99E-12	9.02E-12	7.13E-12	1.81E-14	4.38E-13	2.4192E-14	4.8059E-13	9.684E-09	2.8596E-06	4.09347E-07	3.05645E-12	7.33548E-14	1.52557E-12	1.22046E-14
683	571470.6	4178759	0.55, 41787	0.25781	0.27877	0.24855	74.19853	43.62462	66.74746	10.92817	7.8818	10.16339	9.2E-09	2.47E-06	3.76E-07	2.84E-12	8.57E-12	6.77E-12	1.72E-14	4.16E-13	2.29772E-14	4.56457E-13	9.198E-09	2.4698E-06	3.761E-07	2.90297E-12	6.96713E-14	1.44897E-12	1.15917E-14
684	571510.6	4178759	0.55, 41787	0.24715	0.26193	0.24035	102.14842	42.0514	116.58455	14.2101	7.23025	16.16505	8.89E-09	4.31E-06	5.98E-07	2.74E-12	8.29E-12	6.55E-12	1.67E-14	4.03E-13	2.22189E-14	4.41395E-13	8.894E-09	4.3135E-06	5.98161E-07	2.80717E-12	6.73722E-14	1.40115E-12	1.12092E-14
685	571550.6	4178759	0.55, 41787	0.23772	0.24585	0.23427	104.82233	40.15762	128.89855	14.31586	6.66643	17.41071	8.67E-09	4.77E-06	6.44E-07	2.68E-12	8.08E-12	6.38E-12	1.62E-14	3.92E-13	2.16566E-14	4.30225E-13	8.669E-09	4.769E-06	6.44245E-07	2.73614E-12	6.56672E-14	1.36569E-12	1.09255E-14
686	571590.6	4178759	0.55, 41787	0.22808	0.23097	0.22747	83.60184	37.747	96.99907	11.46846	6.12919	13.15855	8.42E-09	3.59E-06	4.87E-07	2.6E-12	7.84E-12	6.2E-12	1.58E-14	3.81E-13	2.10279E-14	4.17733E-13	8.417E-09	3.5889E-06	4.8691E-07	2.65669E-12	6.37606E-14	1.32604E-12	1.06083E-14
687	570310.6	4178799	0.55, 41787	0.10253	0.09048	0.09887	92.22772	37.68456	108.42661	11.52846	4.71057	13.55333	3.66E-09	4.01E-06	5.02E-07	1.13E-12	3.41E-12	2.69E-12	6.85E-15	1.66E-13	9.13955E-15	1.81564E-13	3.659E-09	4.0116E-06	5.01515E-07	1.15471E-12	2.77129E-14	5.7635E-13	4.6108E-15
688	570350.6	4178799	0.55, 41787	0.11434	0.10195	0.11024	96.42289	41.82094	119.06345	12.05286	5.22762	14.88293	4.08E-09	4.41E-06	5.51E-07	1.26E-12	3.8E-12	3E-12	7.64E-15	1.85E-13	1.01906E-14	2.02444E-13	4.079E-09	4.4052E-06	5.50708E-07	1.2875E-12	3.09E-14	6.42632E-13	5.14106E-15
689	570390.6	4178799	0.55, 41787	0.12785	0.11532	0.12365	96.70849	44.28794	121.57528	12.08856	5.83168	15.19691	4.58E-09	4.5E-06	5.62E-07	1.41E-12	4.26E-12	3.37E-12	8.57E-15	2.07E-13	1.14303E-14	2.2707E-13	4.576E-09	4.4981E-06	5.62324E-07	1.44412E-12	3.46588E-14	7.20805E-13	5.76644E-15
690	570430.6	4178799	0.55, 41787	0.14288	0.13064	0.13911	109.4746	48.39009	132.26529	13.83026	6.97525	16.53316	5.15E-09	4.89E-06	6.12E-07	1.59E-12	4.8E-12	3.79E-12	9.64E-15	2.33E-13	1.28594E-14	2.55461E-13	5.148E-09	4.8936E-06	6.11776E-07	1.62468E-12	3.89923E-14	8.10929E-13	6.48743E-15
691	570470.6	4178799	0.55, 41787	0.15993	0.14857	0.15692	116.3647	50.80214	153.38363	16.31235	7.92735	19.17295	5.81E-09	5.67E-06	7.09E-07	1.79E-12	5.41E-12	4.27E-12	1.09E-14	2.63E-13	1.45058E-14	2.88168E-13	5.807E-09	5.6749E-06	7.09458E-07	1.83269E-12	4.39845E-14	9.14752E-13	7.31802E-15
692	570510.6	4178799	0.55, 41787	0.17816	0.16871	0.17591	124.77861	52.11481	162.22151	17.82552	8.49382	23.1745	6.51E-09	6E-06	8.58E-07	2.01E-12	6.06E-12	4.79E-12	1.22E-14	2.95E-13	1.62613E-14	3.23042E-13	6.509E-09	6.0019E-06	8.57509E-07	2.05448E-12	4.93075E-14	1.02546E-12	8.20365E-15
693	570550.6	4178799	0.55, 41787	0.19752	0.19131	0.19507	126.89522	56.18657	175.78093	18.12789	8.51005	24.21863	7.22E-09	6.5E-06	8.96E-07	2.23E-12	6.73E-12	5.31E-12	1.35E-14	3.27E-13	1.80326E-14	3.5823E-13	7.218E-09	6.5036E-06	8.96139E-07	2.27826E-12	5.46783E-14	1.13715E-12	9.09723E-15
694	570590.6	4178799	0.55, 41787	0.21773	0.21627	0.21308	122.68072	62.5324	158.46837	17.14296	9.80776	21.67538	7.88E-09	5.86E-06	8.02E-07	2.43E-12	7.35E-12	5.8E-12	1.48E-14	3.57E-13	1.96976E-14	3.91307E-13	7.885E-09	5.8631E-06	8.02043E-07	2.48863E-12	5.97271E-14	1.24215E-12	9.93723E-15
695	570630.6	4178799	0.55, 41787	0.23771	0.24268	0.22932	133.9153	64.36556	188.20796	18.95021	10.72759	26.70167	8.49E-09	6.96E-06	9.88E-07	2.62E-12	7.91E-12	6.25E-12	1.59E-14	3.84E-13	2.11991E-14	4.21135E-13	8.486E-09	6.9634E-06	9.88006E-07	2.67833E-12	6.42799E-14	1.33684E-12	1.06947E-14
696	570670.6	4178799	0.55, 41787	0.25595	0.26895	0.24514	141.94782	63.09907	182.20008	19.13844	10.57117	23.96944	9.07E-09	6.74E-06	8.87E-07	2.8E-12	8.45E-12	6.68E-12	1.7E-14	4.11E-13	2.26618E-14	4.50192E-13	9.072E-09	6.7411E-06	8.86931E-07	2.86313E-12	6.8715E-14	1.42908E-12	1.14326E-14
697	570710.6	4178799	0.55, 41787	0.27273	0.29382	0.2595	157.12572	66.69563	192.86918	19.64072	11.93189	24.10865	9.6E-09	7.14E-06	8.92E-07	2.96E-12	8.95E-12	7.07E-12	1.8E-14	4.35E-13	2.39895E-14	4.76568E-13	9.603E-09	7.1359E-06	8.92086E-07	3.03087E-12	7.27409E-14	1.5128E-12	1.21024E-14
698	570750.6	4178799	0.55, 41787	0.29355	0.31916	0.26739	152.65771	72.44297	180.42039	19.08221	15.18472	22.55534	9.9E-09	6.68E-06	8.35E-07	3.05E-12	9.22E-12	7.28E-12	1.85E-14	4.48E-13	2.47193E-14	4.91066E-13	9.895E-09	6.6754E-06	8.34616E-07	3.12308E-12	7.49538E-14	1.55883E-12	1.24706E-14
699	570790.6	4178799	0.55, 41787	0.31688	0.34759	0.27611	157.73005	72.26845	195.86787	20.13646	16.34526	24.48348	1.02E-08	7.25E-06	9.06E-07	3.15E-12	9.52E-12	7.52E-12	1.91E-14	4.62E-13	2.55259E-14	5.0709E-13	1.022E-08	7.2468E-06	9.05957E-07	3.22498E-12	7.73995E-14	1.60969E-12	1.28775E-14
700	570830.6	4178799	0.55, 41787	0.33524	0.37796	0.31984	162.23746	94.66133	234.71664	21.09567	14.73083	29.33958	1.18E-08	8.68E-06	1.09E-06	3.65E-12	1.1E-11	8.71E-12	2.22E-14	5.36E-13	2.9568E-14	5.87389E-13	1.184E-08	8.6842E-06	1.08562E-06	3.73567E-12	8.9656E-14	1.86459E-12	1.49167E-14
701	570870.6	4178799	0.55, 41787	0.35595	0.40358	0.35265	158.80625	107.46352	263.60655	19.85078	16.70272	32.95082	1.31E-08	9.75E-06	1.22E-06	4.03E-12	1.22E-11	9.6E-12	2.44E-14	5.91E-13	3.26008E-14	6.47638E-13	1.305E-08	9.7531E-06	1.2192E-06	4.11884E-12	9.88521E-14	2.05584E-12	1.64468E-14
702	570910.6	4178799	0.55, 41787	0.3676	0.41723	0.32417	150.41188	96.98395	247.06251	18.80149	15.72408	30.88281	1.2E-08	9.14E-06	1.14E-06	3.7E-12	1.12E-11	8.83E-12	2.25E-14	5.43E-13	2.99691E-14	5.95358E-13	1.2E-08	9.141E-06	1.14268E-06	3.78635E-12	9.08724E-14	1.88989E-12	1.51191E-14
703	570950.6	4178799	0.55, 41787	0.34637	0.40141	0.30552	159.46188	87.41269	275.63404	19.93273	16.48069	34.45425	1.13E-08	1.02E-05	1.27E-06	3.49E-12	1.05E-11	8.32E-12	2.12E-14	5.12E-13	2.82452E-14	5.6111E-13	1.131E-08	1.0198E-05	1.27482E-06	3.56854E-12	8.56449E-14	1.78117E-12	1.42494E-14
704	570990.6	4178799	0.55, 41787	0.35579	0.40756	0.32647	119.48057	79.68844	146.33228	17.5796	14.60553	25.33485	1.21E-08	5.41E-06	9.37E-07	3.73E-12	1.13E-11	8.89E-12	2.26E-14	5.47E-13	3.01814E-14	5.99576E-13	1.208E-08	5.4143E-06	9.37427E-07	3.81317E-12	9.15161E-14	1.90328E-12	1.52262E-14
705	571030.6	4178799	0.55, 41787	0.37225	0.416	0.35619	155.14917	72.93395	196.55996	24.86673	12.948	30.87431	1.32E-08	7.27E-06	1.14E-06	4.07E-12	1.23E-11	9.7E-12	2.47E-14	5.97E-13	3.29283E-14	6.54144E-13	1.318E-08	7.2725E-06	1.14243E-06	4.16021E-12	9.98451E-14	2.0765E-12	1.6612E-14
706	571070.6	4178799	0.55, 41787	0.3594	0.40135	0.34666	158.59146	67.81733	220.83512	22.65592	11.74555	33.70367	1.28E-08	8.17E-06	1.25E-06	3.96E-12	1.2E-11	9.44E-12	2.4E-14	5.81E-13	3.20472E-14	6.3664E-13	1.283E-08	8.1705E-06	1.24708E-06	4.04889E-12	9.71735E-14	2.02093E-12	1.61675E-14
707	571110.6	4178799	0.55, 41787	0.34191	0.38638	0.31575	133.9595	62.41991	198.12185	16.74494	10.40332	24.76523	1.17E-08	7.33E-06	9.16E-07	3.61E-12	1.09E-11	8.6E-12	2.19E-14	5.29E-13	2.91902E-14	5.79884E-13	1.168E-08	7.3301E-06	9.16346E-07	3.68794E-12	8.85105E-14	1.84077E-12	1.47261E-14
708	571150.6	4178799	0.55, 41787	0.32926	0.37153	0.29721	140.52662	58.47073	122.49716	17.56829	9.74512	16.40698	1.1E-08	4.53E-06	6.07E-07	3.39E-12	1.02E-11	8.09E-12	2.06E-14	4.98E-13	2.74764E-14	5.45839E-13	1.1E-08	4.5324E-06	6.07146E-07	3.47142E-12	8.3314E-14	1.7327E-12	1.38616E-14
709	571190.6	4178799	0.55, 41787	0.32393	0.35615	0.30055	162.80337	55.99612	201.90064	20.37225	9.46414	25.23758	1.11E-08	7.47E-06	9.34E-07	3.43E-12	1.04E-11	8.19E-12	2.08E-14	5.03E-13	2.77848E-14	5.51964E-13	1.112E-08	7.4699E-06	9.33857E-07	3.51037E-12	8.42489E-14	1.75214E-12	1.40171E-14
710	571230.6	4178799	0.55, 41787	0.31732	0.33876	0.30501	141.0743	54.42569	191.70239	17.72831	9.52966	23.96639	1.13E-08	7.09E-06	8.87E-07	3.48E-12	1.05E-11	8.31E-12	2.11E-14	5.11E-13	2.81965E-14	5.60144E-13	1.129E-08	7.0926E-06	8.86803E-07	3.56239E-12	8.54974E-14	1.7781E-12	1.42248E-14
711	571270.6	4178799	0.55, 41787	0.30415	0.32027	0.29829	116.54381	51.24633	144.90939	16.64912	9.13765	20.70134	1.1E-08	5.36E-06	7.66E-07	3.41E-12	1.03E-11	8.12E-12	2.07E-14	5E-13	2.7575E-14	5.47797E-13	1.104E-08	5.3614E-06	7.66004E-07	3.48387E-12	8.36129E-14	1.73891E-12	1.39113E-14
712	571310.6	4178799	0.55, 41787	0.28608	0.30211	0.28212	111.77517	48.08718	136.31939	15.28029	8.60329	17.73191	1.04E-08	5.04E-06	6.56E-07	3.22E-12	9.73E-12	7.68E-12	1.96E-14	4.72E-13	2.60802E-14	5.18101E-13	1.044E-08	5.0436E-06	6.56137E-07	3.29501E-12	7.90803E-14	1.64465E-12	1.31572E-14
713	571350.6	4178799	0.55, 41787	0.26522	0.28423	0.2608	116.94553	46.1941	139.01017	15.97517	8.23917	19.97796	9.65E-09	5.14E-06	7.39E-07	2.98E-12	8.99E-12	7.1E-12	1.81E-14	4.37E-13	2.41094E-14	4.7895E-13	9.651E-09	5.1431E-06	7.39236E-07	3.04602E-12	7.31045E-14	1.52037E-12	1.21629E-14
714	571390.6	4178799	0.55, 41787	0.24309	0.26586	0.23735	101.64822	44.37475	130.479	13.96186	7.97488	17.70328	8.78E-09	4.83E-06	6.55E-07	2.71E-12	8.18E-12	6.46E-12	1.65E-14	3.97E-13	2.19418E-14	4.35889E-13	8.783E-09	4.8275E-06	6.55065E-07	2.77216E-12	6.65318E-14	1.38367E-12	1.10694E-14
715	571430.6	4178799	0.55, 41787	0.22645	0.25105	0.21957	78.66707	42.96369	101.00422	10.22882	7.75525	13.14754	8.13E-09	3.74E-06	4.86E-07	2.51E-12	7.57E-12	5.98E-12	1.52E-14	3.68E-13	2.02982E-14	4.03238E-13	8.125E-09	3.7371E-06	4.8649E-07	2.56451E-12	6.15482E-14	1.28003E-12	1.02402E-14
716	571470.6	4178799	0.55, 41787	0.21325	0.23694	0.20607	47.64153	41.84289	57.10773	7.70461	7.45296	10.06314	7.63E-09	2.11E-06	3.72E-07	2.35E-12	7.11E-12	5.61E-12	1.43E-14	3.45E-13	1.90502E-14	3.78446E-13	7.626E-09	2.1131E-06	3.72359E-07	2.40684E-12	5.77641E-14	1.20133E-12	9.61063E-15
717	571510.6	4178799	0.55, 41787	0.20623	0.22585	0.19985	71.44774	40.73398	67.79843	10.29216	7.00806	9.90291	7.4E-09	2.51E-06	3.66E-07	2.28E-12	6.89E-12	5.44E-12	1.39E-14	3.35E-13	1.84751E-14	3.67021E-13	7.396E-09	2.5086E-06	3.66457E-07	2.33418E-12	5.60203E-14	1.16506E-12	9.3205E-15
718	571550.6	4178799	0.55, 41787	0.19818	0.21228	0.19356	94.10249	39.35835	107.36049	13.01678	6.4744	14.79864	7.16E-09	3.97E-06	5.48E-07	2.21E-12	6.67E-12	5.27E-12	1.34E-14	3.24E-13	1.78935E-14	3.55467E-13	7.163E-09	3.9722E-06	5.476E-07	2.26069E-12	5.42566E-14	1.12838E-12	9.02707E-15
719	571590.6	4178799	0.55, 41787	0.19254	0.20073	0.18997	94.76849	37.66806	114.23818	12.95063	6.01952	15.50303	7.03E-09	4.23E-06	5.74E-07	2.17E-12	6.55E-12	5.17E-12	1.32E-14	3.18E-13	1.75614E-14	3.48871E-13	7.03E-09	4.2266E-06	5.73658E-07	2.21874E-12	5.32498E-14	1.10744E-12	8.85956E-15
720	570310.6	4178839	0.55, 41788	0.10118	0.0904	0.098	86.93136	38.98232	105.93151	10.86642	4.87279	13.24144	3.63E-09	3.92E-06	4.9E-07	1.12E-12	3.38E-12	2.67E-12	6.79E-15	1.64E-13	9.05915E-15	1.79966E-13	3.626E-09	3.9193E-06	4.8997E-07	1.14455E-12	2.74691E-14	5.7128E-13	4.57024E-15
721	570350.6	4178839	0.55, 41788	0.1118	0.10104	0.10874	92.10266	41.60712	103.12867	11.51283	5.43734	12.89108	4.02E-09	3.82E-06	4.77E-07	1.24E-12	3.75E-12	2.96E-12	7.54E-15	1.82E-13	1.0052E-14	1.99689E-13	4.024E-09	3.8157E-06	4.77015E-07	1.26998E-12	3.04796E-14	6.33888E-13	5.07111E-15
722	570390.6	4178839	0.55, 41788	0.12335	0.11299	0.12071	101.58992	44.39945	123.8041	13.097	6.32134	15.47551	4.47E-09	4.58E-06	5.73E-07	1.38E-12	4.16E-12	3.29E-12	8.37E-15	2.02E-13	1.11585E-14	2.21671E-13	4.467E-09	4.5806E-06	5.72641E-07	1.40978E-12	3.38348E-14	7.03667E-13	5.62934E-15
723	570430.6	4178839	0.55, 41788	0.13612	0.12663	0.1341	105.75261	46.22171	135.82058	15.10752	6.99394	17.72822	4.96E-09	5.03E-06	6.56E-07	1.53E-12	4.62E-12	3.65E-12	9.3E-15	2.25E-13	1.23963E-14	2.46261E-13	4.962E-09	5.0251E-06	6.55999E-07	1.56617E-12	3.7588E-14	7.81725E-13	6.2538E-15
724	570470.6	4178839	0.55, 41788	0.14941	0.1416	0.14777	113.55911	47.52324	144.14907	16.22273	7.30549	20.59272	5.47E-09	5.33E-06	7.62E-07	1.69E-12	5.09E-12	4.02E-12	1.02E-14	2.47E-13	1.366E-14	2.71366E-13	5.468E-09	5.3333E-06	7.61981E-07	1.72583E-12	4.14199E-14	8.61416E-13	6.89132E-15
725	570510.6	4178839	0.55, 41788	0.16314	0.158	0.16129	114.44641	50.69094	152.51274	16.21485	7.16417	20.85712	5.97E-09	5.64E-06	7.72E-07	1.84E-12	5.56E-12	4.39E-12	1.12E-14	2.7E-13	1.49099E-14	2.96195E-13	5.968E-09	5.6427E-06	7.71762E-07	1.88374E-12	4.52097E-14	9.40234E-13	7.52188E-15
726	570550.6	4178839	0.55, 41788	0.17704	0.17576	0.1737	109.2842	56.30775	135.99936	15.45924	8.75778	18.63755	6.43E-09	5.03E-06	6.9E-07	1.98E-12	5.99E-12	4.73E-12	1.2E-14	2.91E-13	1.60572E-14	3.18988E-13	6.428E-09	5.0318E-06	6.89643E-07	2.02869E-12	4.86887E-14	1.01259E-12	8.10069E-15
727	570590.6	4178839	0.55, 41788	0.1907	0.19445	0.18485	121.04262	57.73789	162.59872	17.123	9.62298	23.05827	6.84E-09	6.02E-06	8.53E-07	2.11E-12	6.37E-12	5.03E-12	1.28E-14	3.1E-13	1.70881E-14	3.39468E-13	6.84E-09	6.0159E-06	8.53202E-07	2.15894E-12	5.18146E-14	1.0776E-12	8.62077E-15
728	570630.6	4178839	0.55, 41788	0.20316	0.21304	0.19546	125.84874	56.85617	163.76967	17.26057	9.47603	21.8341	7.23E-09	6.06E-06	8.08E-07	2.23E-12	6.74E-12	5.32E-12	1.36E-14	3.27E-13	1.80691E-14	3.58956E-13	7.233E-09	6.0592E-06	8.07916E-07	2.28288E-12	5.47892E-14	1.13946E-12	9.11567E-15
729	570670.6	4178839	0.55, 41788	0.21386	0.23043	0.20601	138.80556	56.19819	167.35734	17.35069	9.51337	20.91967	7.62E-09	6.19E-06	7.74E-07	2.35E-12	7.1E-12	5.61E-12	1.43E-14	3.45E-13	1.90445E-14	3.78333E-13	7.624E-09	6.1919E-06	7.74088E-07	2.40612E-12	5.77468E-14	1.20097E-12	9.60776E-15
730	570710.6	4178839	0.55, 41788	0.22462	0.24643	0.21368	139.69865	64.11019	158.44625	17.46233	11.64998	19.80578	7.91E-09	5.86E-06	7.33E-07	2.44E-12	7.37E-12	5.82E-12	1.48E-14	3.58E-13	1.97538E-14	3.92423E-13	7.907E-09	5.8624E-06	7.32881E-07	2.49572E-12	5.98973E-14	1.24569E-12	9.96556E-15
731	570750.6	4178839	0.55, 41788	0.23931	0.26333	0.21642	129.30344	65.03758	176.13066	16.25667	13.35444	22.02002	8.01E-09	6.52E-06	8.15E-07	2.47E-12	7.46E-12	5.89E-12	1.5E-14	3.62E-13	2.00074E-14	3.97461E-13	8.009E-09	6.5166E-06	8.14784E-07	2.52777E-12	6.06664E-14	1.26169E-12	1.00935E-14
732	570790.6	4178839	0.55, 41788	0.2546	0.28325	0.22784	148.04332	66.52984	161.44916	18.88746	13.10425	20.18115	8.43E-09	5.97E-06	7.47E-07	2.6E-12	7.86E-12	6.21E-12	1.58E-14	3.82E-13	2.10633E-14	4.18437E-13	8.432E-09	5.9735E-06	7.46782E-07	2.66117E-12	6.38681E-14	1.32828E-12	1.06262E-14
733	570830.6	4178839	0.55, 41788	0.26766	0.30497	0.26524	136.3658	90.38201	203.70222	17.19519	14.05196	26.51864	9.82E-09	7.54E-06	9.81E-07	3.03E-12	9.15E-12	7.22E-12	1.84E-14	4.44E-13	2.45202E-14	4.87111E-13	9.815E-09	7.5368E-06	9.81217E-07	3.09792E-12	7.43501E-14	1.54627E-12	1.23702E-14
734	570870.6	4178839	0.55, 41788	0.28248	0.32215	0.27934	145.76117	97.26265	213.43334	18.22015	15.13016	26.67917	1.03E-08	7.9E-06	9.87E-07	3.19E-12	9.63E-12	7.61E-12	1.94E-14	4.68E-13	2.58237E-14	5.13006E-13	1.034E-08	7.8969E-06	9.87166E-07	3.26261E-12	7.83026E-14	1.62847E-12	1.30278E-14
735	570910.6	4178839	0.55, 41788	0.28799	0.33135	0.25629	130.6935	87.1686	210.24612	16.33669	13.50967	26.28077	9.48E-09	7.78E-06	9.72E-07	2.93E-12	8.84E-12	6.98E-12	1.78E-14	4.29E-13	2.36937E-14	4.70693E-13	9.485E-09	7.7789E-06	9.72409E-07	2.9935E-12	7.18441E-14	1.49415E-12	1.19532E-14
736	570950.6	4178839	0.55, 41788	0.28758	0.33724	0.25781	143.26415	81.64199	232.33178	17.90802	13.93242	29.04147	9.54E-09	8.6E-06	1.07E-06	2.94E-12	8.89E-12	7.02E-12	1.79E-14	4.32E-13	2.38343E-14	4.73486E-13	9.541E-09	8.5959E-06	1.07456E-06	3.01127E-12	7.22705E-14	1.50302E-12	1.20242E-14
737	570990.6	4178839	0.55, 41788	0.28844	0.33412	0.27084	115.42228	74.82901	134.90402	15.11344	13.01217	21.06919	1E-08	4.99E-06	7.8E-07	3.09E-12	9.34E-12	7.38E-12	1.88E-14	4.54E-13	2.50385E-14	4.97407E-13	1.002E-08	4.9915E-06	7.79597E-07	3.1634E-12	7.59216E-14	1.57895E-12	1.26316E-14
738	571030.6	4178839	0.55, 41788	0.29049	0.32848	0.28015	122.60648	67.85889	167.69329	20.43441	11.21527	20.96166	1.04E-08	6.2E-06	7.76E-07	3.2E-12	9.66E-12	7.63E-12	1.94E-14	4.69E-13	2.58987E-14	5.14497E-13	1.037E-08	6.2045E-06	7.75673E-07	3.27209E-12	7.85301E-14	1.6332E-12	1.30656E-14
739	571070.6	4178839	0.55, 41788	0.28682	0.32211	0.27916	145.80556	62.69899	194.95005	22.09774	10.44682	32.49167	1.03E-08	7.21E-06	1.2E-06	3.19E-12	9.63E-12	7.6E-12	1.94E-14	4.68E-13	2.58071E-14	5.12676E-13	1.033E-08	7.2128E-06	1.20224E-06	3.26051E-12	7.82522E-14	1.62742E-12	1.30194E-14
740	571110.6	4178839	0.55, 41788	0.272	0.3104	0.2597	131.09883	59.8466	180.45962	17.36249	9.97443	23.15348	9.61E-09	6.68E-06	8.57E-07	2.97E-12	8.95E-12	7.07E-12	1.8E-14	4.35E-13	2.40084E-14	4.76943E-13	9.611E-09	6.6767E-06	8.56727E-07	3.03325E-12	7.27981E-14	1.51399E-12	1.2112E-14
741	571150.6	4178839	0.55, 41788	0.26	0.30055	0.24148	99.99815	55.57889	134.60776	12.49977	9.26315	16.82597	8.94E-09	4.98E-06	6.23E-07	2.76E-12	8.33E-12	6.58E-12	1.67E-14	4.04E-13	2.23243E-14	4.43487E-13	8.936E-09	4.9804E-06	6.22594E-07	2.82048E-12	6.76916E-14	1.40779E-12	1.12624E-14
742	571190.6	4178839	0.55, 41788	0.2552	0.29099	0.23588	127.82601	53.11626	132.48794	15.97966	8.85271	16.56099	8.73E-09	4.9E-06	6.13E-07	2.69E-12	8.13E-12	6.42E-12	1.64E-14	3.95E-13	2.18065E-14	4.33202E-13	8.729E-09	4.9019E-06	6.12827E-07	2.75507E-12	6.61217E-14	1.37514E-12	1.10011E-14
743	571230.6	4178839	0.55, 41788	0.25406	0.28009	0.23929	144.46225	51.51588	176.21864	18.06666	8.58598	22.02733	8.86E-09	6.52E-06	8.15E-07	2.73E-12	8.25E-12	6.52E-12	1.66E-14	4.01E-13	2.21214E-14	4.39457E-13	8.855E-09	6.5197E-06	8.15072E-07	2.79485E-12	6.70765E-14	1.395E-12	1.116E-14
744	571270.6	4178839	0.55, 41788	0.2507	0.26766	0.24251	121.82335	49.56018	161.92313	15.26733	8.26003	20.24326	8.97E-09	5.99E-06	7.49E-07	2.77E-12	8.36E-12	6.6E-12	1.68E-14	4.06E-13	2.24187E-14	4.45363E-13	8.974E-09	5.9908E-06	7.49043E-07	2.83241E-12	6.79779E-14	1.41375E-12	1.131E-14
745	571310.6	4178839	0.55, 41788	0.24184	0.25433	0.23951	103.21026	44.65355	122.05645	14.74432	7.58702	17.43664	8.86E-09	4.52E-06	6.45E-07	2.73E-12	8.26E-12	6.52E-12	1.66E-14	4.01E-13	2.21411E-14	4.39849E-13	8.863E-09	4.5159E-06	6.45209E-07	2.79734E-12	6.71362E-14	1.39624E-12	1.11699E-14
746	571350.6	4178839	0.55, 41788	0.22797	0.24079	0.22797	99.0464	44.12829	113.73434	14.35742	7.39344	18.63488	8.44E-09	4.21E-06	6.9E-07	2.6E-12	7.86E-12	6.21E-12	1.58E-14	3.82E-13	2.10743E-14	4.18655E-13	8.436E-09	4.208E-06	6.89533E-07	2.66256E-12	6.39014E-14	1.32897E-12	1.06317E-14
747	571390.6	4178839	0.55, 41788	0.21103	0.22733	0.21036	102.76287	42.76623	112.22851	13.91866	7.25999	15.15441	7.78E-09	4.15E-06	5.61E-07	2.4E-12	7.25E-12	5.73E-12	1.46E-14	3.52E-13	1.94465E-14	3.86318E-13	7.784E-09	4.1523E-06	5.6077E-07	2.4569E-12	5.89656E-14	1.22632E-12	9.81053E-15
748	571430.6	4178839	0.55, 41788	0.19469	0.21494	0.19186	96.70075	41.37793	118.14409	13.13698	7.12068	15.87157	7.1E-09	4.37E-06	5.87E-07	2.19E-12	6.62E-12	5.23E-12	1.33E-14	3.21E-13	1.77364E-14	3.52347E-13	7.1E-09	4.3712E-06	5.87293E-07	2.24085E-12	5.37804E-14	1.11848E-12	8.94784E-15
749	571470.6	4178839	0.55, 41788	0.18137	0.20392	0.17665	77.02264	40.18933	97.95965	10.5662	6.94319	13.29535	6.54E-09	3.62E-06	4.92E-07	2.02E-12	6.09E-12	4.81E-12	1.22E-14	2.96E-13	1.63305E-14	3.24417E-13	6.537E-09	3.6244E-06	4.91961E-07	2.06322E-12	4.95173E-14	1.02982E-12	8.23856E-15
750	571510.6	4178839	0.55, 41788	0.17253	0.19446	0.16733	52.60803	39.21497	67.39367	7.34906	6.67327	9.32595	6.19E-09	2.49E-06	3.45E-07	1.91E-12	5.77E-12	4.56E-12	1.16E-14	2.8E-13	1.54689E-14	3.07301E-13	6.192E-09	2.4936E-06	3.45083E-07	1.95437E-12	4.69049E-14	9.75489E-13	7.80391E-15
751	571550.6	4178839	0.55, 41788	0.16797	0.18619	0.16347	68.59481	38.25365	67.50423	9.65516	6.29212	9.48561	6.05E-09	2.5E-06	3.51E-07	1.87E-12	5.64E-12	4.45E-12	1.13E-14	2.74E-13	1.5112E-14	3.00211E-13	6.049E-09	2.4977E-06	3.51013E-07	1.90928E-12	4.58226E-14	9.52981E-13	7.62384E-15
752	571590.6	4178839	0.55, 41788	0.16271	0.17607	0.15959	86.9293	37.04871	99.01478	11.93163	5.86384	13.49632	5.91E-09	3.66E-06	4.99E-07	1.82E-12	5.5E-12	4.35E-12	1.11E-14	2.67E-13	1.47532E-14	2.93083E-13	5.906E-09	3.6634E-06	4.9941E-07	1.86394E-12	4.47346E-14	9.30353E-13	7.44282E-15
753	570839.2	4178446	9.17, 41784	74.46739	6.86955	3.72049	1115.31188	246.53605	1658.95445	545.24687	92.47095	232.89196	1.38E-07	6.14E-05	8.62E-06	4.25E-11	1.28E-10	1.01E-10	2.58E-13	6.24E-12	3.44183E-13	6.83743E-12	1.378E-07	6.1376E-05	8.62125E-06	4.34846E-11	1.04363E-12	2.17045E-11	1.73636E-13
754	570839.2	4178486	9.17, 41784	72.70489	8.35312	4.22209	2611.28562	240.43522	1473.87155	1286.82968	90.10385	245.64526	1.56E-07	5.45E-05	9.1E-06	4.82E-11	1.46E-10	1.15E-10	2.93E-13	7.08E-12	3.90568E-13	7.75891E-12	1.563E-07	5.453E-05	9.10058E-06	4.9345E-11	1.18428E-12	2.46297E-11	1.97037E-13
755	570879.2	4178406	9.17, 41784	9.26791	12.09581	2.86973	654.37651	281.54322	1652.24347	174.87233	99.71055	250.6883	1.06E-07	6.11E-05	9.28E-06	3.28E-11	9.9E-11	7.82E-11	1.99E-13	4.81E-12	2.6551E-13	5.27455E-12	1.063E-07	6.1127E-05	9.27585E-06	3.3545E-11	8.05079E-13	1.67434E-11	1.33947E-13
756	570879.2	4178446	9.17, 41784	110.98197	13.33715	11.62742	3333.88644	260.53475	3586.87714	1717.50318	91.01179	770.8732	4.3E-07	0.000133	2.85E-05	1.33E-10	4.01E-10	3.17E-10	8.06E-13	1.95E-11	1.07516E-12	2.13587E-11	4.304E-07	0.0001327	2.85355E-05	1.35837E-10	3.26008E-12	6.78005E-11	5.42404E-13
757	570879.2	4178486	9.17, 41784	18.42358	13.79846	20.70311	473.0449	246.35325	4578.74855	141.68031	100.88031	655.29094	7.66E-07	0.000169	2.42E-05	2.36E-10	7.14E-10	5.64E-10	1.44E-12	3.47E-11	1.91367E-12	3.80165E-11	7.66E-07	0.00016939	2.42436E-05	2.41776E-10	5.80263E-12	1.20678E-10	9.65427E-13
758	570879.2	4178526	9.17, 41785	94.91809	17.71904	9.02777	3340.71117	271.69492	2014.80922	1490.9797	113.49448	441.47053	3.34E-07	7.45E-05	1.63E-05	1.03E-10	3.11E-10	2.46E-10	6.26E-13	1.51E-11	8.34963E-13	1.65871E-11	3.342E-07	7.4543E-05	1.63471E-05	1.05491E-10	2.53177E-12	5.26537E-11	4.2123E-13
759	570879.2	4178566	9.17, 41785	6.34056	7.84517	3.48916	517.57011	248.69096	1100.96831	138.67192	92.32789	171.27972	1.29E-07	4.07E-05	6.34E-06	3.99E-11	1.2E-10	9.51E-11	2.42E-13	5.85E-12	3.22651E-13	6.4097E-12	1.292E-07	4.0733E-05	6.33781E-06	4.07643E-11	9.78343E-13	2.03468E-11	1.62774E-13
760	570919.2	4178366	9.17, 41783	2.36921	8.89638	1.45024	279.82249	231.14799	970.86833	50.20448	85.64726	145.20587	5.37E-08	3.59E-05	5.37E-06	1.66E-11	5.01E-11	3.95E-11	1.01E-13	2.43E-12	1.34235E-13	2.66667E-12	5.373E-08	3.5919E-05	5.37232E-06	1.69595E-11	4.07027E-13	8.46502E-12	6.77201E-14
761	570919.2	4178406	9.17, 41784	7.16288	18.51893	2.95623	387.12304	281.06153	1814.51514	102.95605	123.97591	301.78328	1.1E-07	6.71E-05	1.12E-05	3.38E-11	1.02E-10	8.06E-11	2.05E-13	4.96E-12	2.73645E-13	5.43615E-12	1.095E-07	6.713E-05	1.11654E-05	3.45728E-11	8.29747E-13	1.72564E-11	1.38051E-13
762	570919.2	4178446	9.17, 41784	30.90779	15.96768	15.85005	761.46723	266.85593	6280.62092	290.35951	97.37786	1155.63511	5.87E-07	0.000232	4.28E-05	1.81E-10	5.46E-10	4.32E-10	1.1E-12	2.65E-11	1.46525E-12	2.91082E-11	5.865E-07	0.00023235	4.2755E-05	1.85122E-10	4.44293E-12	9.24004E-11	7.39203E-13
763	570919.2	4178486	9.17, 41784	29.57453	18.16179	468.02027	992.62163	281.14129	31654.24271	425.98322	121.6397	9353.86757	1.73E-05	0.001171	0.000346	5.34E-09	1.61E-08	1.27E-08	3.24E-11	7.84E-10	4.32533E-11	8.59258E-10	1.731E-05	0.00117103	0.000346046	5.46469E-09	1.31153E-10	2.7276E-09	2.18208E-11
764	570919.2	4178526	9.17, 41785	19.47257	21.77306	15.13476	427.44744	357.8357	3633.422	126.47105	151.21701	760.0028	5.6E-07	0.000134	2.81E-05	1.73E-10	5.22E-10	4.12E-10	1.05E-12	2.53E-11	1.39925E-12	2.77971E-11	5.601E-07	0.00013442	2.81172E-05	1.76783E-10	4.2428E-12	8.82382E-11	7.05906E-13
765	570919.2	4178566	9.17, 41785	68.70701	17.81326	4.44491	3547.24462	326.79695	1605.72558	1121.59815	123.62419	257.53275	1.65E-07	5.94E-05	9.54E-06	5.08E-11	1.53E-10	1.21E-10	3.09E-13	7.45E-12	4.11366E-13	8.17207E-12	1.647E-07	5.941E-05	9.53867E-06	5.19726E-11	1.24734E-12	2.59412E-11	2.0753E-13
766	570959.2	4178326	9.17, 41783	2.08146	12.83514	1.34475	279.67021	252.56813	633.18912	42.32993	97.81035	79.64117	4.99E-08	2.34E-05	2.95E-06	1.54E-11	4.65E-11	3.67E-11	9.34E-14	2.26E-12	1.24575E-13	2.47477E-12	4.987E-08	2.3427E-05	2.94671E-06	1.5739E-11	3.77736E-13	7.85585E-12	6.28468E-14
767	570959.2	4178366	9.17, 41783	2.97969	11.80225	1.85212	241.09871	252.07126	954.07883	42.48046	78.75938	136.29698	6.86E-08	3.53E-05	5.04E-06	2.12E-11	6.39E-11	5.05E-11	1.29E-13	3.11E-12	1.71443E-13	3.40584E-12	6.863E-08	3.5298E-05	5.04266E-06	2.16604E-11	5.1985E-13	1.08114E-11	8.64913E-14
768	570959.2	4178406	9.17, 41784	5.48321	18.00699	4.34111	312.89849	292.26242	1429.75284	67.10795	111.57482	238.11199	1.61E-07	5.29E-05	8.81E-06	4.96E-11	1.5E-10	1.18E-10	3.01E-13	7.28E-12	4.01615E-13	7.97837E-12	1.608E-07	5.2896E-05	8.8095E-06	5.07407E-11	1.21778E-12	2.53263E-11	2.0261E-13
769	570959.2	4178446	9.17, 41784	13.2141	15.9724	27.93872	471.07205	258.82785	2485.7483	129.31081	100.45092	486.63208	1.03E-06	9.2E-05	1.8E-05	3.19E-10	9.63E-10	7.61E-10	1.94E-12	4.68E-11	2.5824E-12	5.13012E-11	1.034E-06	9.1962E-05	1.8004E-05	3.26264E-10	7.83035E-12	1.62849E-10	1.30279E-12
770	570959.2	4178486	9.17, 41784	61.20406	15.71053	62.85492	1330.20017	250.50131	2800.83581	539.4281	101.77571	895.66291	2.33E-06	0.000104	3.31E-05	7.18E-10	2.17E-09	1.71E-09	4.36E-12	1.05E-10	5.80935E-12	1.15407E-10	2.325E-06	0.00010362	3.314E-05	7.33963E-10	1.76151E-11	3.66344E-10	2.93075E-12
771	570959.2	4178526	9.17, 41785	233.18259	14.04006	12.98457	3491.90215	258.73899	2789.84609	1687.05022	110.68808	397.86928	4.81E-07	0.000103	1.47E-05	1.48E-10	4.48E-10	3.54E-10	9.01E-13	2.18E-11	1.20091E-12	2.38569E-11	4.807E-07	0.00010321	1.47361E-05	1.51725E-10	3.64139E-12	7.57306E-11	6.05845E-13
772	570999.2	4178286	9.17, 41782	4.82709	7.01905	1.81527	541.05323	230.67805	782.52024	117.6944	82.70868	130.42004	6.72E-08	2.9E-05	4.83E-06	2.07E-11	6.26E-11	4.95E-11	1.26E-13	3.04E-12	1.67933E-13	3.33612E-12	6.722E-08	2.8952E-05	4.82601E-06	2.1217E-11	5.09207E-13	1.05901E-11	8.47206E-14

773	570999.2	4178326	9.17, 41783	3.49216	17.23511	2.06149	334.8047	281.26172	702.77079	73.88295	121.01705	110.07877	7.64E-08	2.6E-05	4.07E-06	2.36E-11	7.12E-11	5.62E-11	1.43E-13	3.46E-12	1.90918E-13	3.79271E-12	7.642E-08	2.6002E-05	4.07305E-06	2.41208E-11	5.789E-13	1.20395E-11	9.63159E-14
774	570999.2	4178366	9.17, 41783	3.49499	15.86199	2.88936	258.09779	262.50756	719.40934	51.99585	99.38677	89.92617	1.07E-07	2.66E-05	3.33E-06	3.3E-11	9.97E-11	7.88E-11	2.01E-13	4.84E-12	2.67395E-13	5.312E-12	1.07E-07	2.6617E-05	3.3273E-06	3.37832E-11	8.10796E-13	1.68623E-11	1.34898E-13
775	570999.2	4178406	9.17, 41784	4.67229	14.08019	6.50261	269.25985	258.20089	888.73579	48.54927	90.52886	138.83889	2.41E-07	3.29E-05	5.14E-06	7.43E-11	2.24E-10	1.77E-10	4.51E-13	1.09E-11	6.01282E-13	1.19449E-11	2.407E-07	3.2881E-05	5.13676E-06	7.59669E-11	1.82321E-12	3.79175E-11	3.0334E-13
776	570999.2	4178446	9.17, 41784	8.21208	17.59623	13.45709	365.10896	254.50285	1091.31402	80.87758	113.65243	185.77432	4.98E-07	4.04E-05	6.87E-06	1.54E-10	4.64E-10	3.67E-10	9.33E-13	2.25E-11	1.24408E-12	2.47145E-11	4.98E-07	4.0375E-05	6.87344E-06	1.57179E-10	3.7723E-12	7.84531E-11	6.27625E-13
777	570999.2	4178486	9.17, 41784	18.06608	14.21786	20.31738	585.19163	263.25351	1140.06137	156.20535	101.07997	297.24229	7.52E-07	4.22E-05	1.1E-05	2.32E-10	7E-10	5.53E-10	1.41E-12	3.4E-11	1.87803E-12	3.73085E-11	7.518E-07	4.2179E-05	1.09979E-05	2.37274E-10	5.69457E-12	1.18431E-10	9.47447E-13
778	571039.2	4178246	9.17, 41782	16.91212	6.90765	2.82369	857.31055	271.11205	1316.76682	274.95229	93.64332	189.48612	1.05E-07	4.87E-05	7.01E-06	3.23E-11	9.74E-11	7.69E-11	1.96E-13	4.73E-12	2.61157E-13	5.18806E-12	1.045E-07	4.8716E-05	7.01273E-06	3.29949E-11	7.91879E-13	1.64688E-11	1.31751E-13
779	571039.2	4178286	9.17, 41782	28.85834	15.10006	3.68614	1240.055	260.3069	1323.38037	549.80999	92.85324	215.01085	1.37E-07	4.9E-05	7.96E-06	4.21E-11	1.27E-10	1E-10	2.56E-13	6.18E-12	3.41079E-13	6.77577E-12	1.365E-07	4.8961E-05	7.95979E-06	4.30924E-11	1.03422E-12	2.15088E-11	1.7207E-13
780	571039.2	4178326	9.17, 41783	6.67676	17.1171	4.10991	443.85334	276.43557	1246.54946	131.23026	111.87763	155.81868	1.52E-07	4.61E-05	5.77E-06	4.7E-11	1.42E-10	1.12E-10	2.85E-13	6.89E-12	3.80231E-13	7.55356E-12	1.522E-07	4.6118E-05	5.76576E-06	4.8039E-11	1.15294E-12	2.39778E-11	1.91822E-13
781	571039.2	4178366	9.17, 41783	4.40971	16.57374	4.87433	310.01939	259.88486	992.68074	73.97776	106.04392	160.75052	1.8E-07	3.67E-05	5.95E-06	5.57E-11	1.68E-10	1.33E-10	3.38E-13	8.17E-12	4.50858E-13	8.95661E-12	1.805E-07	3.6726E-05	5.94763E-06	5.69621E-11	1.36709E-12	2.84316E-11	2.27453E-13
782	571039.2	4178406	9.17, 41784	4.40492	15.47088	6.2465	249.62047	251.60574	625.26496	54.55389	95.67705	86.62547	2.31E-07	2.31E-05	3.21E-06	7.14E-11	2.15E-10	1.7E-10	4.33E-13	1.05E-11	5.77644E-13	1.14753E-11	2.312E-07	2.3134E-05	3.20522E-06	7.29805E-11	1.75153E-12	3.64269E-11	2.91415E-13
783	571039.2	4178446	9.17, 41784	6.02235	17.33371	7.45895	271.18693	258.43077	565.95619	53.34538	113.33058	91.15286	2.76E-07	2.09E-05	3.37E-06	8.52E-11	2.57E-10	2.03E-10	5.17E-13	1.25E-11	6.89741E-13	1.37022E-11	2.761E-07	2.094E-05	3.37269E-06	8.7143E-11	2.09143E-12	4.34959E-11	3.47967E-13
784	571079.2	4178246	9.17, 41782	26.90238	12.76385	4.78342	686.22219	257.40547	1959.72628	294.80616	92.56412	417.67679	1.77E-07	7.25E-05	1.55E-05	5.47E-11	1.65E-10	1.3E-10	3.32E-13	8.01E-12	4.42427E-13	8.78913E-12	1.771E-07	7.2502E-05	1.54547E-05	5.5897E-11	1.34153E-12	2.79E-11	2.232E-13
785	571079.2	4178286	9.17, 41782	49.90964	15.92317	13.80121	957.6563	283.49226	4117.74908	414.11972	108.09945	689.22522	5.11E-07	0.000152	2.55E-05	1.58E-10	4.76E-10	3.76E-10	9.57E-13	2.31E-11	1.27595E-12	2.53477E-11	5.108E-07	0.00015234	2.55017E-05	1.61206E-10	3.86894E-12	8.04629E-11	6.43704E-13
786	571079.2	4178326	9.17, 41783	16.67986	14.36437	14.4793	793.60016	243.70787	3077.685	313.14105	91.11491	664.711	5.36E-07	0.000114	2.46E-05	1.65E-10	4.99E-10	3.94E-10	1E-12	2.42E-11	1.3385E-12	2.65902E-11	5.358E-07	0.00011386	2.45938E-05	1.69108E-10	4.05859E-12	8.44072E-11	6.75257E-13
787	571079.2	4178366	9.17, 41783	6.18218	17.09307	7.0902	419.38901	255.0076	1488.27193	110.95083	108.56867	287.95219	2.62E-07	5.51E-05	1.07E-05	8.1E-11	2.45E-10	1.93E-10	4.92E-13	1.19E-11	6.55658E-13	1.30251E-11	2.625E-07	5.5061E-05	1.06538E-05	8.28368E-11	1.98808E-12	4.13465E-11	3.30772E-13
788	571079.2	4178406	9.17, 41784	4.42977	14.91	5.35349	310.20505	209.99469	815.89349	72.09993	91.11305	117.58287	1.98E-07	3.02E-05	4.35E-06	6.12E-11	1.85E-10	1.46E-10	3.71E-13	8.97E-12	4.95102E-13	9.83556E-12	1.982E-07	3.0186E-05	4.35065E-06	6.2552E-11	1.50125E-12	3.12217E-11	2.49774E-13
789	571119.2	4178286	9.17, 41782	25.0824	15.07438	138.00946	507.91812	256.39153	16734.57469	211.8106	106.96205	4271.60103	5.11E-06	0.000619	0.000158	1.58E-09	4.76E-09	3.76E-09	9.57E-12	2.31E-10	1.27548E-11	2.53382E-10	5.106E-06	0.00061909	0.000158028	1.61146E-09	3.8675E-11	8.0433E-10	6.43464E-12
790	571119.2	4178326	9.17, 41783	197.49067	14.51391	52.98238	3348.29445	230.6601	7805.71053	1622.72219	95.52079	2122.69744	1.96E-06	0.000289	7.85E-05	6.05E-10	1.83E-09	1.44E-09	3.67E-12	8.87E-11	4.89729E-12	9.72881E-11	1.96E-06	0.00028877	7.85445E-05	6.18731E-10	1.48495E-11	3.08828E-10	2.47063E-12
791	571119.2	4178366	9.17, 41783	10.01384	12.46582	9.59129	630.48898	206.62645	2115.5821	198.58486	83.22549	424.70779	3.55E-07	7.83E-05	1.57E-05	1.1E-10	3.31E-10	2.61E-10	6.65E-13	1.61E-11	8.86704E-13	1.7615E-11	3.549E-07	7.8267E-05	1.57138E-05	1.12028E-10	2.68866E-12	5.59166E-11	4.47332E-13
792	571159.2	4178326	9.17, 41783	219.15803	19.05137	35.48029	3124.9508	277.70648	3646.5914	1560.39264	128.55095	753.34584	1.31E-06	0.000135	2.79E-05	4.05E-10	1.22E-09	9.66E-10	2.46E-12	5.94E-11	3.27996E-12	6.51588E-11	1.313E-06	0.00013491	2.78855E-05	4.14396E-10	9.9455E-12	2.06838E-10	1.65471E-12
793	570808.8	4178465	8.82, 41784	10.95844	3.34212	2.15804	1253.90468	193.66587	956.23037	302.59047	56.7134	159.37173	7.99E-08	3.54E-05	5.9E-06	2.46E-11	7.44E-11	5.88E-11	1.5E-13	3.61E-12	1.99543E-13	3.96406E-12	7.988E-08	3.5378E-05	5.89894E-06	2.52106E-11	6.05054E-13	1.25834E-11	1.00667E-13
794	570823.9	4178530	3.91, 41785	3.05561	3.25593	2.40542	358.64643	197.99385	1108.94733	70.39413	63.38636	140.39269	8.9E-08	4.1E-05	5.19E-06	2.75E-11	8.29E-11	6.55E-11	1.67E-13	4.03E-12	2.22383E-13	4.41779E-12	8.902E-08	4.1027E-05	5.19447E-06	2.80962E-11	6.74309E-13	1.40237E-11	1.1219E-13
795	570883.3	4178602	3.31, 41786	3.07425	4.49746	2.05933	479.66242	287.53386	914.81532	94.76169	103.00469	119.05382	7.62E-08	3.38E-05	4.41E-06	2.35E-11	7.1E-11	5.61E-11	1.43E-13	3.45E-12	1.90427E-13	3.78296E-12	7.623E-08	3.3846E-05	4.40529E-06	2.40588E-11	5.77411E-13	1.20085E-11	9.60681E-14
796	571181.5	4178310	1.45, 41783	77.30582	13.12592	35.80897	2585.53888	242.23364	1672.90767	872.95261	114.20023	513.62427	1.32E-06	6.19E-05	1.9E-05	4.09E-10	1.23E-09	9.75E-10	2.48E-12	6E-11	3.30984E-12	6.57523E-11	1.325E-06	6.1893E-05	1.90101E-05	4.1817E-10	1.00361E-11	2.08722E-10	1.66978E-12
797	571067.8	4178207	7.83, 41782	5.36607	4.9243	1.64986	895.65181	299.02694	904.65641	223.56067	96.05921	144.20823	6.11E-08	3.35E-05	5.34E-06	1.89E-11	5.69E-11	4.5E-11	1.14E-13	2.76E-12	1.526E-13	3.03152E-12	6.109E-08	3.3471E-05	5.33717E-06	1.92798E-11	4.62715E-13	9.62316E-12	7.69852E-14
798	570799.9	4178447	9.89, 41784	4.88888	2.78293	1.75814	732.83791	152.28075	768.58836	142.77112	52.0733	124.31973	6.51E-08	2.84E-05	4.6E-06	2.01E-11	6.06E-11	4.79E-11	1.22E-13	2.94E-12	1.62557E-13	3.22931E-12	6.507E-08	2.8436E-05	4.60059E-06	2.05377E-11	4.92906E-13	1.0251E-11	8.20084E-14

	Trenching	Grading	Stockpile
Emissions Rate (g/s):	5.96E-12	5.29E-11	2.15E-07

				Concentration [µg/m^3] at 1 g/s									Concentration (µg/m^3) Unmitigated			Unmitigated Residential Dose			Risk by Age Group				Unmitigated			Student Unmitigated		Worker Unmitigated	
#	X	Y	X,Y	Trenching Period	Grading Period	Stockpile Period	Treching 1hr	Grading 1hr	Stockpile 1hr	Trenching 8hr	Grading 8hr	Stockpile 8hr	Period Tota	1hr Total	8hr Total	3rd	0<2	2<9	3rd	0<2	2<9	Total Risk	Chronic	Acute	8hr	Dose	Risk	Dose	Risk
1	570310.6	4177919	0.55, 41779	0.08215	0.06425	0.08047	53.98877	25.74637	57.86027	6.7486	3.78109	7.23253	1.73E-08	1.24E-05	1.55E-06	5.33E-12	1.61E-11	1.27E-11	0	0	0	0	4.111E-11	2.4826E-09	1.86967E-09	5.44921E-12	0	2.71988E-12	0
2	570350.6	4177919	0.55, 41779	0.08744	0.06946	0.0859	61.34869	26.43683	62.74615	7.66859	3.66465	7.84327	1.84E-08	1.35E-05	1.68E-06	5.69E-12	1.72E-11	1.36E-11	0	0	0	0	4.388E-11	2.6923E-09	2.02758E-09	5.81693E-12	0	2.90342E-12	0
3	570390.6	4177919	0.55, 41779	0.09273	0.07514	0.09126	67.57642	27.23616	68.95787	8.44705	3.80844	8.61973	1.96E-08	1.48E-05	1.85E-06	6.04E-12	1.82E-11	1.44E-11	0	0	0	0	4.662E-11	2.9588E-09	2.22831E-09	6.17992E-12	0	3.0846E-12	0
4	570430.6	4177919	0.55, 41779	0.09799	0.08123	0.09661	71.34976	28.07066	72.35504	8.91872	4.01428	9.04438	2.07E-08	1.55E-05	1.94E-06	6.4E-12	1.93E-11	1.53E-11	0	0	0	0	4.935E-11	3.1045E-09	2.33809E-09	6.54224E-12	0	3.26544E-12	0
5	570470.6	4177919	0.55, 41779	0.10292	0.08757	0.10182	71.34124	28.88227	71.18869	8.91766	4.18506	8.89859	2.18E-08	1.53E-05	1.91E-06	6.74E-12	2.04E-11	1.61E-11	0	0	0	0	5.202E-11	3.0545E-09	2.30041E-09	6.89508E-12	0	3.44156E-12	0
6	570510.6	4177919	0.55, 41779	0.10719	0.09397	0.10631	70.57748	29.51269	72.86498	8.82218	4.31581	9.10812	2.28E-08	1.56E-05	1.95E-06	7.04E-12	2.13E-11	1.68E-11	0	0	0	0	5.431E-11	3.1264E-09	2.35455E-09	7.19918E-12	0	3.59334E-12	0
7	570550.6	4177919	0.55, 41779	0.11095	0.10041	0.10942	80.02506	30.00614	83.29269	10.00313	4.88273	10.41159	2.35E-08	1.79E-05	2.23E-06	7.24E-12	2.19E-11	1.73E-11	0	0	0	0	5.59E-11	3.5738E-09	2.69151E-09	7.40985E-12	0	3.69849E-12	0
8	570590.6	4177919	0.55, 41779	0.11537	0.10684	0.11183	81.14556	31.22548	84.40479	10.14319	5.49199	10.5506	2.4E-08	1.81E-05	2.26E-06	7.4E-12	2.24E-11	1.77E-11	0	0	0	0	5.713E-11	3.6215E-09	2.72744E-09	7.57312E-12	0	3.77999E-12	0
9	570630.6	4177919	0.55, 41779	0.12154	0.11343	0.11602	82.02682	32.76834	84.97635	10.54682	6.07261	10.62204	2.49E-08	1.82E-05	2.28E-06	7.68E-12	2.32E-11	1.83E-11	0	0	0	0	5.927E-11	3.6461E-09	2.74594E-09	7.85692E-12	0	3.92164E-12	0
10	570670.6	4177919	0.55, 41779	0.12896	0.11974	0.12346	90.28793	34.09351	94.2666	12.11861	6.60764	13.84836	2.65E-08	2.02E-05	2.97E-06	8.17E-12	2.47E-11	1.95E-11	0	0	0	0	6.307E-11	4.0446E-09	3.57987E-09	8.36074E-12	0	4.17311E-12	0
11	570710.6	4177919	0.55, 41779	0.13589	0.12543	0.13131	92.03158	38.34133	98.54944	11.50395	7.03486	13.72911	2.82E-08	2.11E-05	2.95E-06	8.69E-12	2.63E-11	2.07E-11	0	0	0	0	6.708E-11	4.2284E-09	3.549E-09	8.89231E-12	0	4.43844E-12	0
12	570750.6	4177919	0.55, 41779	0.14097	0.13029	0.13561	98.93292	42.68075	106.54938	12.36662	7.25038	14.15663	2.91E-08	2.29E-05	3.04E-06	8.98E-12	2.71E-11	2.14E-11	0	0	0	0	6.928E-11	4.5717E-09	3.65955E-09	9.18352E-12	0	4.58379E-12	0
13	570790.6	4177919	0.55, 41779	0.1434	0.13429	0.137	101.78306	44.96916	112.12821	12.72288	7.16867	14.01603	2.94E-08	2.41E-05	3.01E-06	9.07E-12	2.74E-11	2.16E-11	0	0	0	0	6.999E-11	4.8111E-09	3.62324E-09	9.2777E-12	0	4.63079E-12	0
14	570830.6	4177919	0.55, 41779	0.14249	0.1373	0.1371	103.05806	46.92439	113.14313	12.88226	6.63254	14.14289	2.94E-08	2.43E-05	3.03E-06	9.08E-12	2.74E-11	2.17E-11	0	0	0	0	7.004E-11	4.8546E-09	3.65604E-09	9.28451E-12	0	4.6342E-12	0
15	570870.6	4177919	0.55, 41779	0.13915	0.13926	0.13269	113.81753	49.41272	127.10432	14.22719	6.17659	15.88804	2.85E-08	2.73E-05	3.41E-06	8.79E-12	2.65E-11	2.1E-11	0	0	0	0	6.779E-11	5.4536E-09	4.10716E-09	8.98597E-12	0	4.48519E-12	0
16	570910.6	4177919	0.55, 41779	0.13537	0.14116	0.12571	103.09741	52.00284	118.27061	16.13684	6.50036	14.78383	2.7E-08	2.54E-05	3.17E-06	8.32E-12	2.51E-11	1.99E-11	0	0	0	0	6.422E-11	5.0747E-09	3.82192E-09	8.51344E-12	0	4.24933E-12	0
17	570950.6	4177919	0.55, 41779	0.13129	0.14261	0.12523	128.63222	54.75687	154.09416	19.7206	7.6051	23.34348	2.69E-08	3.31E-05	5.01E-06	8.29E-12	2.5E-11	1.98E-11	0	0	0	0	6.398E-11	6.6116E-09	6.03435E-09	8.48096E-12	0	4.23312E-12	0
18	570990.6	4177919	0.55, 41779	0.12715	0.1442	0.12572	126.51514	58.01026	163.29109	18.07359	9.36612	23.3273	2.7E-08	3.5E-05	5E-06	8.32E-12	2.51E-11	1.99E-11	0	0	0	0	6.423E-11	7.0062E-09	6.03005E-09	8.51415E-12	0	4.24968E-12	0
19	571030.6	4177919	0.55, 41779	0.12254	0.14609	0.11762	125.39004	62.99788	174.41478	17.19472	10.49965	21.80185	2.52E-08	3.74E-05	4.68E-06	7.79E-12	2.35E-11	1.86E-11	0	0	0	0	6.009E-11	7.4835E-09	5.63575E-09	7.96579E-12	0	3.97598E-12	0
20	571070.6	4177919	0.55, 41779	0.1201	0.14847	0.1104	126.80092	67.58831	177.9713	16.22667	10.87469	22.24641	2.37E-08	3.82E-05	4.77E-06	7.31E-12	2.21E-11	1.74E-11	0	0	0	0	5.641E-11	7.6361E-09	5.75057E-09	7.47701E-12	0	3.73202E-12	0
21	571110.6	4177919	0.55, 41779	0.1205	0.15044	0.10927	126.62476	68.47754	165.66905	20.2586	9.61445	20.70863	2.34E-08	3.55E-05	4.44E-06	7.24E-12	2.18E-11	1.73E-11	0	0	0	0	5.583E-11	7.1083E-09	5.35343E-09	7.40054E-12	0	3.69385E-12	0
22	571150.6	4177919	0.55, 41779	0.1212	0.15159	0.11602	131.66409	62.22893	172.39569	21.10658	9.19459	24.99313	2.49E-08	3.7E-05	5.36E-06	7.68E-12	2.32E-11	1.83E-11	0	0	0	0	5.928E-11	7.3968E-09	6.46079E-09	7.85755E-12	0	3.92196E-12	0
23	571190.6	4177919	0.55, 41779	0.12215	0.15198	0.11825	137.85581	66.48698	180.99172	19.69369	10.25241	26.94632	2.54E-08	3.88E-05	5.78E-06	7.83E-12	2.36E-11	1.87E-11	0	0	0	0	6.041E-11	7.7657E-09	6.96548E-09	8.00854E-12	0	3.99732E-12	0
24	571230.6	4177919	0.55, 41779	0.12354	0.15154	0.11348	148.65332	75.08948	179.38421	21.23619	9.50538	22.42303	2.44E-08	3.85E-05	4.81E-06	7.51E-12	2.27E-11	1.79E-11	0	0	0	0	5.798E-11	7.6968E-09	5.79657E-09	7.68559E-12	0	3.83613E-12	0
25	571270.6	4177919	0.55, 41779	0.12544	0.15047	0.11372	135.01221	73.55453	181.97135	18.66937	9.80753	25.99591	2.44E-08	3.9E-05	5.58E-06	7.53E-12	2.27E-11	1.8E-11	0	0	0	0	5.81E-11	7.8078E-09	6.71978E-09	7.70183E-12	0	3.84423E-12	0
26	571310.6	4177919	0.55, 41779	0.12844	0.14895	0.1185	144.25948	74.57026	160.72945	18.03243	9.63087	20.79832	2.54E-08	3.45E-05	4.46E-06	7.85E-12	2.37E-11	1.87E-11	0	0	0	0	6.054E-11	6.8965E-09	5.37645E-09	8.02542E-12	0	4.00575E-12	0
27	571350.6	4177919	0.55, 41779	0.13264	0.1484	0.12186	134.13439	65.82548	182.86761	16.7668	8.49886	22.85845	2.61E-08	3.92E-05	4.9E-06	8.07E-12	2.44E-11	1.92E-11	0	0	0	0	6.226E-11	7.8461E-09	5.90879E-09	8.2529E-12	0	4.11929E-12	0
28	571390.6	4177919	0.55, 41779	0.13487	0.1464	0.12015	140.45529	51.40311	177.22554	17.55691	7.98518	22.15319	2.58E-08	3.8E-05	4.75E-06	7.96E-12	2.4E-11	1.9E-11	0	0	0	0	6.138E-11	7.604E-09	5.72658E-09	8.1371E-12	0	4.06149E-12	0
29	571430.6	4177919	0.55, 41779	0.14548	0.15293	0.12366	139.19794	49.3636	190.22803	17.39974	7.65374	23.7785	2.65E-08	4.08E-05	5.1E-06	8.19E-12	2.47E-11	1.95E-11	0	0	0	0	6.318E-11	8.1618E-09	6.14661E-09	8.37487E-12	0	4.18016E-12	0
30	571470.6	4177919	0.55, 41779	0.15916	0.16179	0.13045	134.87595	45.89373	190.37308	16.85949	6.86379	23.79664	2.8E-08	4.08E-05	5.11E-06	8.64E-12	2.61E-11	2.06E-11	0	0	0	0	6.665E-11	8.1679E-09	6.15126E-09	8.83474E-12	0	4.4097E-12	0
31	571510.6	4177919	0.55, 41779	0.17426	0.17151	0.14116	122.2315	42.4201	161.48029	15.27894	5.85942	20.18504	3.03E-08	3.46E-05	4.33E-06	9.35E-12	2.82E-11	2.23E-11	0	0	0	0	7.212E-11	6.9283E-09	5.21776E-09	9.56002E-12	0	4.77171E-12	0
32	571550.6	4177919	0.55, 41779	0.18787	0.18026	0.15558	112.99449	35.73716	155.78517	14.12431	5.76206	19.47315	3.34E-08	3.34E-05	4.18E-06	1.03E-11	3.11E-11	2.46E-11	0	0	0	0	7.949E-11	6.6839E-09	5.03369E-09	1.05365E-11	0	5.25908E-12	0
33	571590.6	4177919	0.55, 41779	0.19949	0.18751	0.17419	94.68734	29.26563	123.69427	11.83592	5.30509	15.46178	3.74E-08	2.65E-05	3.32E-06	1.15E-11	3.48E-11	2.75E-11	0	0	0	0	8.899E-11	5.3071E-09	3.99682E-09	1.17965E-11	0	5.88803E-12	0
34	570310.6	4177959	0.55, 41779	0.08597	0.06676	0.0838	56.89619	26.25101	62.23098	7.11202	4.18522	7.77887	1.8E-08	1.34E-05	1.67E-06	5.55E-12	1.68E-11	1.32E-11	0	0	0	0	4.281E-11	2.6701E-09	2.0109E-09	5.67471E-12	0	2.83243E-12	0
35	570350.6	4177959	0.55, 41779	0.09204	0.07257	0.08995	58.96006	27.16756	63.77509	7.37001	4.19821	7.97189	1.93E-08	1.37E-05	1.71E-06	5.96E-12	1.8E-11	1.42E-11	0	0	0	0	4.595E-11	2.7364E-09	2.0608E-09	6.09119E-12	0	3.04031E-12	0
36	570390.6	4177959	0.55, 41779	0.09833	0.07904	0.09639	63.0038	28.02201	66.12463	7.87548	4.15896	8.26558	2.07E-08	1.42E-05	1.77E-06	6.38E-12	1.93E-11	1.52E-11	0	0	0	0	4.924E-11	2.8372E-09	2.13674E-09	6.52731E-12	0	3.25799E-12	0
37	570430.6	4177959	0.55, 41779	0.10461	0.08611	0.10266	70.72142	28.76698	72.80329	8.84018	4.23038	9.10041	2.2E-08	1.56E-05	1.95E-06	6.8E-12	2.05E-11	1.62E-11	0	0	0	0	5.244E-11	3.1238E-09	2.35256E-09	6.95193E-12	0	3.46993E-12	0
38	570470.6	4177959	0.55, 41779	0.11098	0.09385	0.10929	78.78718	29.82596	80.74124	9.8484	4.47695	10.09265	2.34E-08	1.73E-05	2.17E-06	7.24E-12	2.18E-11	1.73E-11	0	0	0	0	5.583E-11	3.4643E-09	2.60907E-09	7.40094E-12	0	3.69404E-12	0
39	570510.6	4177959	0.55, 41779	0.1169	0.10189	0.11567	83.26174	30.87615	84.48278	10.40772	4.70339	10.56035	2.48E-08	1.81E-05	2.27E-06	7.66E-12	2.31E-11	1.83E-11	0	0	0	0	5.909E-11	3.6249E-09	2.72998E-09	7.83302E-12	0	3.90971E-12	0
40	570550.6	4177959	0.55, 41779	0.12213	0.11	0.12099	82.46075	31.83495	82.01237	10.30759	4.9071	10.25155	2.6E-08	1.76E-05	2.2E-06	8.01E-12	2.42E-11	1.91E-11	0	0	0	0	6.181E-11	3.5189E-09	2.65017E-09	8.19334E-12	0	4.08956E-12	0
41	570590.6	4177959	0.55, 41779	0.1275	0.1185	0.12492	87.61849	32.53805	91.54904	10.95231	5.6614	11.44363	2.68E-08	1.96E-05	2.46E-06	8.27E-12	2.5E-11	1.97E-11	0	0	0	0	6.382E-11	3.928E-09	2.9583E-09	8.45956E-12	0	4.22244E-12	0
42	570630.6	4177959	0.55, 41779	0.13429	0.12721	0.12893	94.25098	33.95012	99.61773	11.78137	6.34882	12.45222	2.77E-08	2.14E-05	2.67E-06	8.54E-12	2.58E-11	2.04E-11	0	0	0	0	6.587E-11	4.2742E-09	3.21902E-09	8.7312E-12	0	4.35802E-12	0
43	570670.6	4177959	0.55, 41779	0.1434	0.13582	0.13624	91.47953	35.4429	96.20253	12.89467	6.97952	13.63762	2.92E-08	2.06E-05	2.93E-06	9.02E-12	2.72E-11	2.15E-11	0	0	0	0	6.96E-11	4.1277E-09	3.52546E-09	9.22627E-12	0	4.60513E-12	0
44	570710.6	4177959	0.55, 41779	0.15342	0.14402	0.1467	103.54122	38.62398	108.53691	12.94265	7.57754	15.98544	3.15E-08	2.33E-05	3.43E-06	9.71E-12	2.93E-11	2.32E-11	0	0	0	0	7.494E-11	4.6569E-09	4.13224E-09	9.93459E-12	0	4.95867E-12	0
45	570750.6	4177959	0.55, 41779	0.16261	0.1515	0.15549	105.52732	44.38977	114.23814	13.19092	8.09206	15.7724	3.34E-08	2.45E-05	3.38E-06	1.03E-11	3.11E-11	2.46E-11	0	0	0	0	7.944E-11	4.9016E-09	4.0772E-09	1.05298E-11	0	5.25577E-12	0
46	570790.6	4177959	0.55, 41779	0.16989	0.15823	0.16076	113.60479	47.24143	124.57926	14.2006	8.3928	15.57241	3.45E-08	2.67E-05	3.34E-06	1.06E-11	3.21E-11	2.54E-11	0	0	0	0	8.213E-11	5.3453E-09	4.02558E-09	1.08867E-11	0	5.43392E-12	0
47	570830.6	4177959	0.55, 41779	0.1738	0.16401	0.16481	115.20896	49.45722	130.36471	14.40112	8.28774	16.29559	3.54E-08	2.8E-05	3.5E-06	1.09E-11	3.29E-11	2.6E-11	0	0	0	0	8.42E-11	5.5935E-09	4.2125E-09	1.1161E-11	0	5.57083E-12	0
48	570870.6	4177959	0.55, 41779	0.17339	0.16851	0.16469	122.33209	52.01335	138.82114	15.29151	7.46689	17.35264	3.53E-08	2.98E-05	3.72E-06	1.09E-11	3.29E-11	2.6E-11	0	0	0	0	8.414E-11	5.9563E-09	4.48575E-09	1.1153E-11	0	5.56682E-12	0
49	570910.6	4177959	0.55, 41779	0.16973	0.17204	0.1579	128.70888	55.67631	149.19916	16.08861	6.95954	18.64989	3.39E-08	3.2E-05	4E-06	1.05E-11	3.16E-11	2.49E-11	0	0	0	0	8.067E-11	6.4016E-09	4.82107E-09	1.06933E-11	0	5.33739E-12	0
50	570950.6	4177959	0.55, 41779	0.16375	0.1746	0.15354	137.78687	58.35606	146.62449	21.41966	8.40086	22.62642	3.29E-08	3.15E-05	4.85E-06	1.02E-11	3.07E-11	2.42E-11	0	0	0	0	7.844E-11	6.2912E-09	5.84915E-09	1.03982E-11	0	5.19007E-12	0
51	570990.6	4177959	0.55, 41779	0.1571	0.17611	0.15296	148.41379	62.43724	189.01685	21.20197	10.20575	28.13097	3.28E-08	4.05E-05	6.04E-06	1.01E-11	3.06E-11	2.42E-11	0	0	0	0	7.815E-11	8.1099E-09	7.27175E-09	1.03589E-11	0	5.17048E-12	0
52	571030.6	4177959	0.55, 41779	0.15135	0.1787	0.14372	141.29712	68.4386	198.29024	19.05284	11.40643	25.9054	3.08E-08	4.25E-05	5.56E-06	9.52E-12	2.87E-11	2.27E-11	0	0	0	0	7.343E-11	8.5078E-09	6.69641E-09	9.73341E-12	0	4.85826E-12	0
53	571070.6	4177959	0.55, 41779	0.14838	0.1815	0.13361	143.49488	74.36914	202.29359	18.79197	11.80682	25.2867	2.87E-08	4.34E-05	5.43E-06	8.85E-12	2.67E-11	2.11E-11	0	0	0	0	6.826E-11	8.6797E-09	6.5365E-09	9.04898E-12	0	4.51664E-12	0
54	571110.6	4177959	0.55, 41779	0.14858	0.18375	0.13332	140.62761	73.34522	192.64407	22.74237	10.22286	24.08051	2.86E-08	4.13E-05	5.17E-06	8.83E-12	2.67E-11	2.11E-11	0	0	0	0	6.812E-11	8.2657E-09	6.22504E-09	9.02939E-12	0	4.50686E-12	0
55	571150.6	4177959	0.55, 41779	0.14994	0.18566	0.14292	146.3467	67.83983	199.40983	22.92053	11.48399	30.37919	3.07E-08	4.28E-05	6.52E-06	9.46E-12	2.86E-11	2.26E-11	0	0	0	0	7.302E-11	8.5559E-09	7.85291E-09	9.67936E-12	0	4.83128E-12	0
56	571190.6	4177959	0.55, 41779	0.1525	0.18616	0.14359	161.89014	78.97315	204.49698	23.12716	11.84075	29.21385	3.08E-08	4.39E-05	6.27E-06	9.51E-12	2.87E-11	2.27E-11	0	0	0	0	7.336E-11	8.7743E-09	7.55175E-09	9.72474E-12	0	4.85393E-12	0
57	571230.6	4177959	0.55, 41779	0.15542	0.18516	0.1383	156.07845	81.92899	197.17574	22.29692	11.22006	24.64697	2.97E-08	4.23E-05	5.29E-06	9.16E-12	2.77E-11	2.18E-11	0	0	0	0	7.066E-11	8.4602E-09	6.37141E-09	9.36658E-12	0	4.67516E-12	0
58	571270.6	4177959	0.55, 41779	0.15909	0.18379	0.14205	158.42767	82.70179	205.30007	19.80346	11.54254	29.32858	3.05E-08	4.4E-05	6.29E-06	9.41E-12	2.84E-11	2.24E-11	0	0	0	0	7.257E-11	8.8087E-09	7.58116E-09	9.62045E-12	0	4.80187E-12	0
59	571310.6	4177959	0.55, 41779	0.1655	0.18382	0.1484	150.26158	75.50789	204.0765	18.7827	10.48328	25.50956	3.18E-08	4.38E-05	5.47E-06	9.83E-12	2.97E-11	2.34E-11	0	0	0	0	7.582E-11	8.7562E-09	6.59409E-09	1.00504E-11	0	5.01646E-12	0
60	571350.6	4177959	0.55, 41779	0.17654	0.1881	0.15257	154.82597	60.83045	189.56737	19.35325	9.71095	23.69592	3.27E-08	4.07E-05	5.08E-06	1.01E-11	3.05E-11	2.41E-11	0	0	0	0	7.795E-11	8.1335E-09	6.12541E-09	1.03328E-11	0	5.15742E-12	0
61	571390.6	4177959	0.55, 41779	0.18842	0.1934	0.15428	152.92189	54.55359	214.59873	19.11524	9.16318	26.82484	3.31E-08	4.6E-05	5.76E-06	1.02E-11	3.08E-11	2.44E-11	0	0	0	0	7.882E-11	9.2074E-09	6.93404E-09	1.04487E-11	0	5.21526E-12	0
62	571430.6	4177959	0.55, 41779	0.20645	0.20414	0.16292	148.33328	50.38722	217.66749	18.54166	8.09078	27.20844	3.5E-08	4.67E-05	5.84E-06	1.08E-11	3.26E-11	2.57E-11	0	0	0	0	8.324E-11	9.339E-09	7.03314E-09	1.10338E-11	0	5.50733E-12	0
63	571470.6	4177959	0.55, 41779	0.22554	0.21577	0.17809	134.13897	46.24246	185.84967	16.76737	6.92684	23.23121	3.82E-08	3.99E-05	4.98E-06	1.18E-11	3.56E-11	2.81E-11	0	0	0	0	9.099E-11	7.9739E-09	6.00513E-09	1.20611E-11	0	6.02007E-12	0
64	571510.6	4177959	0.55, 41779	0.24332	0.22654	0.20114	122.33786	38.55117	174.21255	15.29223	6.75463	21.77657	4.32E-08	3.74E-05	4.67E-06	1.33E-11	4.02E-11	3.18E-11	0	0	0	0	1.028E-10	7.4745E-09	5.62908E-09	1.36218E-11	0	6.79909E-12	0
65	571550.6	4177959	0.55, 41779	0.25539	0.23344	0.22684	100.38932	31.1899	131.18831	12.54867	6.13877	16.39854	4.87E-08	2.81E-05	3.52E-06	1.5E-11	4.53E-11	3.58E-11	0	0	0	0	1.159E-10	5.6286E-09	4.23897E-09	1.53619E-11	0	7.66762E-12	0
66	571590.6	4177959	0.55, 41779	0.26174	0.2364	0.25018	103.20811	24.1035	113.64553	12.90101	5.55119	14.20569	5.37E-08	2.44E-05	3.05E-06	1.66E-11	5E-11	3.95E-11	0	0	0	0	1.278E-10	4.8759E-09	3.67227E-09	1.69421E-11	0	8.45637E-12	0
67	570310.6	4177999	0.55, 41779	0.08992	0.06909	0.08739	61.55411	26.71644	63.33313	7.69426	4.42886	7.91664	1.87E-08	1.36E-05	1.7E-06	5.79E-12	1.75E-11	1.38E-11	0	0	0	0	4.464E-11	2.7174E-09	2.04654E-09	5.91781E-12	0	2.95377E-12	0
68	570350.6	4177999	0.55, 41779	0.09687	0.07551	0.09431	63.16088	27.72336	68.96816	7.89511	4.52605	8.62102	2.02E-08	1.48E-05	1.85E-06	6.24E-12	1.89E-11	1.49E-11	0	0	0	0	4.818E-11	2.9592E-09	2.2286E-09	6.38643E-12	0	3.18767E-12	0
69	570390.6	4177999	0.55, 41779	0.10411	0.08268	0.10154	65.18315	28.66629	70.59128	8.14789	4.5901	8.82391	2.18E-08	1.51E-05	1.89E-06	6.72E-12	2.03E-11	1.6E-11	0	0	0	0	5.187E-11	3.0289E-09	2.28105E-09	6.87604E-12	0	3.43205E-12	0
70	570430.6	4177999	0.55, 41779	0.11178	0.0909	0.10932	69.77828	29.77159	73.90272	8.72229	4.64595	9.23784	2.35E-08	1.59E-05	1.98E-06	7.24E-12	2.19E-11	1.73E-11	0	0	0	0	5.585E-11	3.1709E-09	2.38807E-09	7.40292E-12	0	3.69503E-12	0
71	570470.6	4177999	0.55, 41779	0.11947	0.09994	0.11702	73.23749	30.82615	79.61188	9.15469	4.70414	9.95148	2.51E-08	1.71E-05	2.14E-06	7.75E-12	2.34E-11	1.85E-11	0	0	0	0	5.978E-11	3.4159E-09	2.57254E-09	7.92439E-12	0	3.95532E-12	0
72	570510.6	4177999	0.55, 41779	0.12689	0.1096	0.1248	83.36058	31.87471	86.19643	10.42007	5.00665	10.77455	2.68E-08	1.85E-05	2.31E-06	8.26E-12	2.49E-11	1.97E-11	0	0	0	0	6.375E-11	3.6984E-09	2.78534E-09	8.45129E-12	0	4.21831E-12	0
73	570550.6	4177999	0.55, 41779	0.1338	0.11968	0.13227	93.92369	33.13511	96.59692	11.74046	5.30601	12.07462	2.84E-08	2.07E-05	2.59E-06	8.76E-12	2.64E-11	2.09E-11	0	0	0	0	6.757E-11	4.1446E-09	3.12143E-09	8.9572E-12	0	4.47083E-12	0
74	570590.6	4177999	0.55, 41779	0.14077	0.13095	0.13895	98.98148	34.43475	100.81152	12.37268	5.77536	12.60144	2.98E-08	2.16E-05	2.7E-06	9.2E-12	2.78E-11	2.19E-11	0	0	0	0	7.098E-11	4.3254E-09	3.25763E-09	9.40965E-12	0	4.69666E-12	0
75	570630.6	4177999	0.55, 41779	0.14863	0.14246	0.14416	96.29887	35.58815	97.29546	12.03736	6.62596	12.16193	3.09E-08	2.09E-05	2.61E-06	9.54E-12	2.88E-11	2.28E-11	0	0	0	0	7.365E-11	4.1746E-09	3.14402E-09	9.76259E-12	0	4.87282E-12	0
76	570670.6	4177999	0.55, 41779	0.15906	0.15417	0.15133	108.0953	37.02771	115.61321	13.51191	7.37805	14.45165	3.25E-08	2.48E-05	3.1E-06	1E-11	3.03E-11	2.39E-11	0	0	0	0	7.731E-11	4.9605E-09	3.73588E-09	1.02482E-11	0	5.11522E-12	0
77	570710.6	4177999	0.55, 41779	0.17207	0.16581	0.16328	109.21603	39.28347	116.55796	14.39109	8.06843	17.60456	3.5E-08	2.5E-05	3.78E-06	1.08E-11	3.26E-11	2.58E-11	0	0	0	0	8.342E-11	5.0011E-09	4.55079E-09	1.10575E-11	0	5.51914E-12	0
78	570750.6	4177999	0.55, 41779	0.18601	0.17706	0.17647	119.66853	46.10023	126.10142	14.95857	8.7788	16.77146	3.79E-08	2.71E-05	3.6E-06	1.17E-11	3.53E-11	2.79E-11	0	0	0	0	9.015E-11	5.4106E-09	4.33552E-09	1.19507E-11	0	5.96497E-12	0
79	570790.6	4177999	0.55, 41779	0.19953	0.18772	0.18696	122.67556	49.8289	134.57394	15.33445	9.45426	16.82174	4.01E-08	2.89E-05	3.61E-06	1.24E-11	3.74E-11	2.95E-11	0	0	0	0	9.551E-11	5.7741E-09	4.34854E-09	1.26611E-11	0	6.31955E-12	0
80	570830.6	4177999	0.55, 41779	0.21109	0.19773	0.1968	133.54261	52.4094	148.58094	16.69283	9.90962	18.57262	4.22E-08	3.19E-05	3.98E-06	1.3E-11	3.93E-11	3.11E-11	0	0	0	0	1.005E-10	6.3751E-09	4.80114E-09	1.33275E-11	0	6.65216E-12	0
81	570870.6	4177999	0.55, 41779	0.21804	0.20674	0.20398	131.45449	55.15858	156.57352	16.43181	9.77159	19.57169	4.38E-08	3.36E-05	4.2E-06	1.35E-11	4.08E-11	3.22E-11	0	0	0	0	1.042E-10	6.718E-09	5.05933E-09	1.38137E-11	0	6.89487E-12	0
82	570910.6	4177999	0.55, 41779	0.21803	0.21414	0.20286	148.11273	59.13207	173.84644	18.51409	8.43226	21.73081	4.35E-08	3.73E-05	4.66E-06	1.34E-11	4.06E-11	3.2E-11	0	0	0	0	1.036E-10	7.4591E-09	5.61748E-09	1.3738E-11	0	6.85709E-12	0
83	570950.6	4177999	0.55, 41779	0.2114	0.21889	0.19586	140.12444	63.58464	170.21851	21.83562	9.32684	21.27731	4.2E-08	3.65E-05	4.57E-06	1.3E-11	3.92E-11	3.09E-11	0	0	0	0	1.001E-10	7.3035E-09	5.50051E-09	1.32642E-11	0	6.62058E-12	0
84	570990.6	4177999	0.55, 41779	0.2013	0.22185	0.19061	171.25011	67.61488	221.4052	25.43318	11.18299	33.45295	4.09E-08	4.75E-05	7.18E-06	1.26E-11	3.81E-11	3.01E-11	0	0	0	0	9.738E-11	9.4995E-09	8.64747E-09	1.29088E-11	0	6.44318E-12	0
85	571030.6	4177999	0.55, 41779	0.19301	0.22456	0.1804	161.4506	75.02365	233.40135	21.94671	12.50394	33.34305	3.87E-08	5.01E-05	7.15E-06	1.19E-11	3.61E-11	2.85E-11	0	0	0	0	9.217E-11	1.0014E-08	8.61882E-09	1.22176E-11	0	6.09818E-12	0
86	571070.6	4177999	0.55, 41779	0.18927	0.22808	0.16676	165.36156	82.48884	231.46597	21.97245	12.95225	28.93325	3.58E-08	4.97E-05	6.21E-06	1.1E-11	3.33E-11	2.63E-11	0	0	0	0	8.52E-11	9.9313E-09	7.47915E-09	1.12942E-11	0	5.63728E-12	0
87	571110.6	4177999	0.55, 41779	0.18141	0.21619	0.16049	158.60632	80.72549	237.56536	25.62624	11.81551	29.69982	3.44E-08	5.1E-05	6.37E-06	1.06E-11	3.21E-11	2.53E-11	0	0	0	0	8.2E-11	1.0193E-08	7.67752E-09	1.08695E-11	0	5.42529E-12	0
88	571150.6	4177999	0.55, 41779	0.19202	0.23351	0.18032	164.05988	80.42402	231.86209	24.96785	14.13496	37.65816	3.87E-08	4.97E-05	8.08E-06	1.19E-11	3.61E-11	2.85E-11	0	0	0	0	9.213E-11	9.9483E-09	9.73425E-09	1.22123E-11	0	6.09555E-12	0
89	571190.6	4177999	0.55, 41779	0.1978	0.23414	0.17819	182.21875	91.74664	241.78028	26.03125	13.21695	31.92825	3.82E-08	5.19E-05	6.85E-06	1.18E-11	3.56E-11	2.81E-11	0	0	0	0	9.104E-11	1.0374E-08	8.25347E-09	1.20681E-11	0	6.02358E-12	0
90	571230.6	4177999	0.55, 41779	0.20367	0.23289	0.17473	172.67663	91.69738	231.55794	22.62496	13.85272	33.07971	3.75E-08	4.97E-05	7.1E-06	1.16E-11	3.49E-11	2.76E-11	0	0	0	0	8.927E-11	9.9354E-09	8.55081E-09	1.18339E-11	0	5.90666E-12	0
91	571270.6	4177999	0.55, 41779	0.21358	0.23476	0.18394	171.66845	86.35935	210.57834	21.45856	13.01074	28.58393	3.95E-08	4.52E-05	6.13E-06	1.22E-11	3.68E-11	2.9E-11	0	0	0	0	9.398E-11	9.0352E-09	7.38883E-09	1.24574E-11	0	6.21791E-12	0
92	571310.6	4177999	0.55, 41779	0.23025	0.24083	0.19159	171.26207	72.34733	231.62674	21.40776	11.81711	28.95334	4.11E-08	4.97E-05	6.21E-06	1.27E-11	3.83E-11	3.03E-11	0	0	0	0	9.788E-11	9.9381E-09	7.4843E-09	1.29755E-11	0	6.47648E-12	0
93	571350.6	4177999	0.55, 41779	0.25373	0.25254	0.198	169.27826	60.68614	249.61103	21.15978	11.13084	31.20138	4.25E-08	5.35E-05	6.69E-06	1.31E-11	3.96E-11	3.13E-11	0	0	0	0	1.012E-10	1.071E-08	8.06527E-09	1.34097E-11	0	6.69321E-12	0
94	571390.6	4177999	0.55, 41779	0.27999	0.26698	0.21185	164.13881	55.69534	253.30621	20.51735	9.69774	31.66328	4.55E-08	5.43E-05	6.79E-06	1.4E-11	4.24E-11	3.35E-11	0	0	0	0	1.082E-10	1.0868E-08	8.1846E-09	1.43477E-11	0	7.16138E-12	0
95	571430.6	4177999	0.55, 41779	0.30187	0.27888	0.2328	148.06777	50.74185	217.39094	18.50847	8.30154	27.17387	5E-08	4.66E-05	5.83E-06	1.54E-11	4.65E-11	3.68E-11	0	0	0	0	1.189E-10	9.3271E-09	7.0242E-09	1.57663E-11	0	7.86945E-12	0
96	571470.6	4177999	0.55, 41779	0.32222	0.29016	0.268	133.22849	41.8567	195.88733	16.65356	8.00082	24.48592	5.75E-08	4.2E-05	5.25E-06	1.77E-11	5.36E-11	4.23E-11	0	0	0	0	1.369E-10	8.4045E-09	6.32939E-09	1.81496E-11	0	9.05905E-12	0
97	571510.6	4177999	0.55, 41779	0.33311	0.29527	0.30394	113.25391	33.39085	138.27651	14.15674	7.16119	17.28456	6.52E-08	2.97E-05	3.71E-06	2.01E-11	6.08E-11	4.8E-11	0	0	0	0	1.553E-10	5.9328E-09	4.46807E-09	2.05829E-11	0	1.02736E-11	0
98	571550.6	4177999	0.55, 41779	0.33431	0.29408	0.33024	118.79132	25.19774	142.42424	14.84891	6.75336	17.80303	7.09E-08	3.06E-05	3.82E-06	2.19E-11	6.6E-11	5.21E-11	0	0	0	0	1.687E-10	6.1106E-09	4.60212E-09	2.23635E-11	0	1.11623E-11	0
99	571590.6	4177999	0.55, 41779	0.32897	0.28857	0.34209	117.12124	19.87515	150.29933	14.64016	6.7762	18.78742	7.34E-08	3.22E-05	4.03E-06	2.26E-11	6.84E-11	5.4E-11	0	0	0	0	1.748E-10	6.4484E-09	4.85651E-09	2.31656E-11	0	1.15627E-11	0
100	570310.6	4178039	0.55, 41780	0.09395	0.07118	0.09114	60.38117	27.45867	68.75884	7.54765	4.57644	8.59485	1.96E-08	1.48E-05	1.84E-06	6.03E-12	1.82E-11	1.44E-11	0	0	0	0	4.656E-11	2.9502E-09	2.22181E-09	6.17173E-12	0	3.08051E-12	0
101	570350.6	4178039	0.55, 41780	0.10181	0.07823	0.09867	67.40685	28.30867	69.9761	8.42586	4.71811	8.74701	2.12E-08	1.5E-05	1.88E-06	6.53E-12	1.97E-11	1.56E-11	0	0	0	0	5.041E-11	3.0025E-09	2.2612E-09	6.68166E-12	0	3.33503E-12	0
102	570390.6	4178039	0.55, 41780	0.11033	0.08626	0.10708	70.86935	29.39362	77.00767	8.85867	4.86131	9.62596	2.3E-08	1.65E-05	2.07E-06	7.09E-12	2.14E-11	1.69E-11	0	0	0	0	5.47E-11	3.3041E-09	2.48839E-09	7.25119E-12	0	3.6193E-12	0
103	570430.6	4178039	0.55, 41780	0.11935	0.09539	0.11615	72.77771	30.53752	78.92837	9.09721	4.99157	9.86605	2.49E-08	1.69E-05	2.12E-06	7.69E-12	2.32E-11	1.83E-11	0	0	0	0	5.934E-11	3.3866E-09	2.55045E-09	7.86541E-12	0	3.92588E-12	0
104	570470.6	4178039	0.55, 41780	0.12876	0.10583	0.1256	77.88414	31.78332	83.40463	9.73552	5.12346	10.42558	2.69E-08	1.79E-05	2.24E-06	8.32E-12	2.51E-11	1.98E-11	0	0	0	0	6.416E-11	3.5786E-09	2.69511E-09	8.50539E-12	0	4.24531E-12	0
105	570510.6	4178039	0.55, 41780	0.13797	0.11733	0.13491	81.61557	33.05226	90.60057	10.20195	5.27698	11.32507	2.89E-08	1.94E-05	2.43E-06	8.93E-12	2.7E-11	2.13E-11	0	0	0	0	6.892E-11	3.8873E-09	2.92761E-09	9.13591E-12	0	4.56002E-12	0
106	570550.6	4178039	0.55, 41780	0.14677	0.12979	0.14418	83.22783	34.40977	92.92473	10.40348	5.64664	11.61559	3.09E-08	1.99E-05	2.49E-06	9.55E-12	2.88E-11	2.28E-11	0	0	0	0	7.366E-11	3.9871E-09	3.0027E-09	9.76373E-12	0	4.87339E-12	0
107	570590.6	4178039	0.55, 41780	0.15543	0.14397	0.15331	100.7883	35.81672	104.85134	12.59854	6.05306	13.10642	3.29E-08	2.25E-05	2.81E-06	1.02E-11	3.06E-11	2.42E-11	0	0	0	0	7.832E-11	4.4988E-09	3.38815E-09	1.03821E-11	0	5.18204E-12	0
108	570630.6	4178039	0.55, 41780	0.16446	0.15887	0.16086	114.63184	37.47906	118.86748	14.32898	6.85921	14.85844	3.45E-08	2.55E-05	3.19E-06	1.07E-11	3.22E-11	2.54E-11	0	0	0	0	8.218E-11	5.1001E-09	3.84107E-09	1.08935E-11	0	5.4373E-12	0
109	570670.6	4178039	0.55, 41780	0.17604	0.17458	0.16859	120.19022	39.09251	122.97013	15.02378	7.81169	15.37127	3.62E-08	2.64E-05	3.3E-06	1.12E-11	3.37E-11	2.66E-11	0	0	0	0	8.613E-11	5.2762E-09	3.97366E-09	1.14171E-11	0	5.69866E-12	0
110	570710.6	4178039	0.55, 41780	0.19156	0.191	0.18153	122.05191	40.81454	130.55962	15.86896	8.63568	17.88475	3.9E-08	2.8E-05	3.84E-06	1.2E-11	3.63E-11	2.87E-11	0	0	0	0	9.274E-11	5.6018E-09	4.62331E-09	1.22935E-11	0	6.13608E-12	0
111	570750.6	4178039	0.55, 41780	0.2105	0.20761	0.19902	132.53323	47.68084	144.79481	16.56665	9.43658	19.64627	4.27E-08	3.11E-05	4.22E-06	1.32E-11	3.98E-11	3.14E-11	0	0	0	0	1.017E-10	6.2126E-09	5.07861E-09	1.34779E-11	0	6.72726E-12	0
112	570790.6	4178039	0.55, 41780	0.23169	0.22417	0.21523	139.552	52.7884	147.64201	17.444	10.33029	19.40572	4.62E-08	3.17E-05	4.16E-06	1.43E-11	4.3E-11	3.4E-11	0	0	0	0	1.1E-10	6.3348E-09	5.0165E-09	1.45757E-11	0	7.2752E-12	0
113	570830.6	4178039	0.55, 41780	0.25382	0.24067	0.23208	145.24751	55.81087	161.73262	18.15594	11.28689	20.21658	4.98E-08	3.47E-05	4.34E-06	1.54E-11	4.64E-11	3.66E-11	0	0	0	0	1.186E-10	6.9393E-09	5.22611E-09	1.57168E-11	0	7.84475E-12	0
114	570870.6	4178039	0.55, 41780	0.27385	0.25672	0.25028	159.27674	59.06353	181.66903	19.90959	12.04587	22.70863	5.37E-08	3.9E-05	4.87E-06	1.66E-11	5E-11	3.95E-11	0	0	0	0	1.279E-10	7.7947E-09	5.87029E-09	1.69493E-11	0	8.45993E-12	0
115	570910.6	4178039	0.55, 41780	0.28498	0.272	0.26185	154.31681	63.03506	190.144	19.2896	11.80173	23.768	5.62E-08	4.08E-05	5.1E-06	1.73E-11	5.23E-11	4.14E-11	0	0	0	0	1.338E-10	8.1583E-09	6.14403E-09	1.77329E-11	0	8.85104E-12	0
116	570950.6	4178039	0.55, 41780	0.28313	0.28254	0.2606	178.15221	69.82475	214.80591	22.26903	10.41815	26.85074	5.59E-08	4.61E-05	5.76E-06	1.73E-11	5.21E-11	4.12E-11	0	0	0	0	1.331E-10	9.2164E-09	6.94096E-09	1.76484E-11	0	8.80889E-12	0
117	570990.6	4178039	0.55, 41780	0.27042	0.28832	0.24711	188.87787	74.10995	223.28286	29.14051	12.35166	34.29706	5.3E-08	4.79E-05	7.36E-06	1.64E-11	4.94E-11	3.9E-11	0	0	0	0	1.262E-10	9.5802E-09	8.86589E-09	1.67352E-11	0	8.35306E-12	0
118	571030.6	4178039	0.55, 41780	0.25749	0.29249	0.23391	188.96663	83.29257	277.8919	26.99523	13.88209	39.69884	5.02E-08	5.96E-05	8.52E-06	1.55E-11	4.68E-11	3.69E-11	0	0	0	0	1.195E-10	1.1923E-08	1.02618E-08	1.58416E-11	0	7.90703E-12	0
119	571070.6	4178039	0.55, 41780	0.25163	0.29646	0.21613	192.59035	92.57991	271.23553	26.01862	14.40126	34.27332	4.64E-08	5.82E-05	7.35E-06	1.43E-11	4.32E-11	3.41E-11	0	0	0	0	1.104E-10	1.1638E-08	8.85953E-09	1.46379E-11	0	7.30623E-12	0
120	571110.6	4178039	0.55, 41780	0.23996	0.28057	0.20816	179.79911	89.13384	295.00102	29.33997	15.522	36.88643	4.47E-08	6.33E-05	7.91E-06	1.38E-11	4.16E-11	3.29E-11	0	0	0	0	1.064E-10	1.2657E-08	9.53511E-09	1.4098E-11	0	7.03676E-12	0
121	571150.6	4178039	0.55, 41780	0.25767	0.30302	0.23363	202.30498	100.11261	284.90591	28.90071	16.95197	47.48432	5.01E-08	6.11E-05	1.02E-05	1.55E-11	4.67E-11	3.69E-11	0	0	0	0	1.194E-10	1.2224E-08	1.2274E-08	1.58228E-11	0	7.89765E-12	0
122	571190.6	4178039	0.55, 41780	0.27122	0.30641	0.22867	194.68377	101.89225	297.80862	27.81197	16.7188	37.22608	4.91E-08	6.39E-05	7.99E-06	1.51E-11	4.57E-11	3.61E-11	0	0	0	0	1.168E-10	1.2778E-08	9.62278E-09	1.54871E-11	0	7.73009E-12	0
123	571230.6	4178039	0.55, 41780	0.28804	0.31092	0.2326	196.84209	99.06119	294.63263	24.60526	16.26482	42.09038	4.99E-08	6.32E-05	9.03E-06	1.54E-11	4.65E-11	3.67E-11	0	0	0	0	1.188E-10	1.2641E-08	1.08797E-08	1.57532E-11	0	7.86294E-12	0
124	571270.6	4178039	0.55, 41780	0.31661	0.32283	0.24843	191.8709	85.51951	280.99547	23.98386	14.63938	35.12443	5.33E-08	6.03E-05	7.54E-06	1.65E-11	4.97E-11	3.92E-11	0	0	0	0	1.269E-10	1.2056E-08	9.07935E-09	1.68252E-11	0	8.398E-12	0
125	571310.6	4178039	0.55, 41780	0.35598	0.34149	0.26147	189.38373	68.10225	290.04443	23.67297	13.72977	36.25555	5.61E-08	6.22E-05	7.78E-06	1.73E-11	5.23E-11	4.13E-11	0	0	0	0	1.336E-10	1.2444E-08	9.37166E-09	1.77084E-11	0	8.83884E-12	0
126	571350.6	4178039	0.55, 41780	0.39399	0.35989	0.2835	182.95784	62.01914	299.45287	22.86973	11.81322	37.43161	6.08E-08	6.42E-05	8.03E-06	1.88E-11	5.67E-11	4.48E-11	0	0	0	0	1.448E-10	1.2848E-08	9.67555E-09	1.92003E-11	0	9.58348E-12	0
127	571390.6	4178039	0.55, 41780	0.4222	0.3733	0.32107	164.47464	56.17724	258.72398	20.55933	10.13431	32.3405	6.89E-08	5.55E-05	6.94E-06	2.13E-11	6.42E-11	5.07E-11	0	0	0	0	1.64E-10	1.11E-08	8.35962E-09	2.17441E-11	0	1.08532E-11	0
128	571430.6	4178039	0.55, 41780	0.44026	0.38105	0.3744	146.31006	45.8458	221.86738	18.28876	9.60517	27.73342	8.03E-08	4.76E-05	5.95E-06	2.48E-11	7.48E-11	5.91E-11	0	0	0	0	1.913E-10	9.5191E-09	7.1688E-09	2.53548E-11	0	1.26554E-11	0
129	571470.6	4178039	0.55, 41780	0.44344	0.3799	0.42037	134.05635	35.96521	154.66668	16.75704	8.42199	19.33334	9.02E-08	3.32E-05	4.15E-06	2.78E-11	8.4E-11	6.64E-11	0	0	0	0	2.148E-10	6.636E-09	4.99775E-09	2.84671E-11	0	1.42088E-11	0
130	571510.6	4178039	0.55, 41780	0.43369	0.37075	0.44522	135.2804	26.4112	176.84451	16.91005	8.14543	22.10556	9.55E-08	3.79E-05	4.74E-06	2.95E-11	8.9E-11	7.03E-11	0	0	0	0	2.274E-10	7.5873E-09	5.71422E-09	3.01493E-11	0	1.50485E-11	0
131	571550.6	4178039	0.55, 41780	0.4157	0.35641	0.44493	128.00174	25.24959	172.96462	16.00022	7.84928	21.62058	9.55E-08	3.71E-05	4.64E-06	2.95E-11	8.89E-11	7.03E-11	0	0	0	0	2.273E-10	7.4209E-09	5.58882E-09	3.01294E-11	0	1.50386E-11	0
132	571590.6	4178039	0.55, 41780	0.38889	0.33646	0.4222	114.21376	28.264	151.26331	14.27672	7.21894	18.90791	9.06E-08	3.24E-05	4.06E-06	2.8E-11	8.44E-11	6.67E-11	0	0	0	0	2.157E-10	6.4899E-09	4.88762E-09	2.85902E-11	0	1.42703E-11	0
133	570310.6	4178079	0.55, 41780	0.09792	0.07296	0.09477	71.40728	28.01469	77.09789	8.92591	4.66912	9.63724	2.03E-08	1.65E-05	2.07E-06	6.27E-12	1.89E-11	1.5E-11	0	0	0	0	4.841E-11	3.308E-09	2.49131E-09	6.41753E-12	0	3.20319E-12	0
134	570350.6	4178079	0.55, 41780	0.1067	0.08065	0.10312	70.03301	29.10671	80.22931	8.75413	4.85112	10.02866	2.21E-08	1.72E-05	2.15E-06	6.83E-12	2.06E-11	1.63E-11	0	0	0	0	5.268E-11	3.4423E-09	2.59245E-09	6.98298E-12	0	3.48543E-12	0
135	570390.6	4178079	0.55, 41780	0.11641	0.08948	0.11242	73.93226	30.15719	77.81828	9.24153	5.0262	9.72728	2.41E-08	1.67E-05	2.09E-06	7.44E-12	2.25E-11	1.78E-11	0	0	0	0	5.743E-11	3.3389E-09	2.5146E-09	7.61278E-12	0	3.79978E-12	0
136	570430.6	4178079	0.55, 41780	0.12715	0.09969	0.12302	79.99098	31.34254	86.52141	9.99887	5.20891	10.81518	2.64E-08	1.86E-05	2.32E-06	8.14E-12	2.46E-11	1.94E-11	0	0	0	0	6.284E-11	3.7123E-09	2.79581E-09	8.33061E-12	0	4.15807E-12	0
137	570470.6	4178079	0.55, 41780	0.13857	0.11144	0.13449	81.53824	32.65768	88.86509	10.19228	5.39019	11.10814	2.89E-08	1.91E-05	2.38E-06	8.9E-12	2.69E-11	2.12E-11	0	0	0	0	6.87E-11	3.8129E-09	2.87154E-09	9.10737E-12	0	4.54578E-12	0
138	570510.6	4178079	0.55, 41780	0.15049	0.12507	0.14657	87.75299	34.11951	95.20757	10.96912	5.60116	11.90095	3.14E-08	2.04E-05	2.55E-06	9.7E-12	2.93E-11	2.31E-11	0	0	0	0	7.488E-11	4.085E-09	3.07649E-09	9.92546E-12	0	4.95412E-12	0
139	570550.6	4178079	0.55, 41780	0.16198	0.14034	0.1583	91.64015	35.64897	104.22382	11.45502	5.99366	13.02798	3.4E-08	2.24E-05	2.8E-06	1.05E-11	3.16E-11	2.5E-11	0	0	0	0	8.087E-11	4.4718E-09	3.3678E-09	1.07199E-11	0	5.35064E-12	0
140	570590.6	4178079	0.55, 41780	0.17272	0.15744	0.16968	88.35639	37.38874	105.88084	11.57204	6.46071	13.23511	3.64E-08	2.27E-05	2.84E-06	1.12E-11	3.39E-11	2.68E-11	0	0	0	0	8.668E-11	4.5429E-09	3.42134E-09	1.14906E-11	0	5.73535E-12	0
141	570630.6	4178079	0.55, 41780	0.1831	0.1763	0.17984	101.08083	39.23196	114.54818	12.6351	7.02353	14.31852	3.86E-08	2.46E-05	3.07E-06	1.19E-11	3.6E-11	2.84E-11	0	0	0	0	9.187E-11	4.9148E-09	3.70141E-09	1.21788E-11	0	6.07884E-12	0
142	570670.6	4178079	0.55, 41780	0.19537	0.19687	0.18849	125.63761	41.20021	131.91916	15.7047	8.22231	16.4899	4.04E-08	2.83E-05	3.54E-06	1.25E-11	3.77E-11	2.98E-11	0	0	0	0	9.63E-11	5.6601E-09	4.26281E-09	1.27648E-11	0	6.37133E-12	0
143	570710.6	4178079	0.55, 41780	0.21241	0.21933	0.20096	144.38379	43.29239	151.59141	18.04797	9.29195	18.94893	4.31E-08	3.25E-05	4.07E-06	1.33E-11	4.02E-11	3.17E-11	0	0	0	0	1.027E-10	6.5041E-09	4.89849E-09	1.36095E-11	0	6.79292E-12	0
144	570750.6	4178079	0.55, 41780	0.23537	0.24332	0.2221	149.96792	48.92505	154.1756	18.74599	10.23	23.04389	4.77E-08	3.31E-05	4.94E-06	1.47E-11	4.44E-11	3.51E-11	0	0	0	0	1.135E-10	6.6151E-09	5.95685E-09	1.50411E-11	0	7.50751E-12	0
145	570790.6	4178079	0.55, 41780	0.26445	0.26867	0.24585	159.48841	56.15329	178.05216	19.93605	11.24377	22.79466	5.28E-08	3.82E-05	4.89E-06	1.63E-11	4.92E-11	3.88E-11	0	0	0	0	1.256E-10	7.6395E-09	5.89253E-09	1.66495E-11	0	8.31032E-12	0
146	570830.6	4178079	0.55, 41780	0.30001	0.29551	0.27029	164.85959	59.75168	177.78875	20.60745	12.43332	22.22359	5.8E-08	3.81E-05	4.77E-06	1.79E-11	5.4E-11	4.27E-11	0	0	0	0	1.381E-10	7.6282E-09	5.74499E-09	1.83047E-11	0	9.13646E-12	0
147	570870.6	4178079	0.55, 41780	0.34051	0.32416	0.30185	178.96906	63.85658	203.22306	22.37113	13.91568	25.40288	6.48E-08	4.36E-05	5.45E-06	2E-11	6.03E-11	4.77E-11	0	0	0	0	1.542E-10	8.7195E-09	6.56678E-09	2.04419E-11	0	1.02032E-11	0
148	570910.6	4178079	0.55, 41780	0.37529	0.35313	0.33459	192.82824	68.49057	229.7632	24.10353	15.26079	28.7204	7.18E-08	4.93E-05	6.16E-06	2.22E-11	6.69E-11	5.28E-11	0	0	0	0	1.709E-10	9.8581E-09	7.42429E-09	2.2659E-11	0	1.13099E-11	0
149	570950.6	4178079	0.55, 41780	0.39192	0.37725	0.35493	199.56835	75.56845	241.42387	26.9715	14.65967	30.17798	7.62E-08	5.18E-05	6.47E-06	2.35E-11	7.1E-11	5.61E-11	0	0	0	0	1.813E-10	1.0358E-08	7.80119E-09	2.40365E-11	0	1.19974E-11	0
150	570990.6	4178079	0.55, 41780	0.38624	0.39167	0.34038	209.52387	83.72546	270.89556	31.32288	13.79848	33.86195	7.3E-08	5.81E-05	7.27E-06	2.25E-11	6.81E-11	5.38E-11	0	0	0	0	1.739E-10	1.1623E-08	8.75359E-09	2.30517E-11	0	1.15058E-11	0
151	571030.6	4178079	0.55, 41780	0.36706	0.40059	0.31708	238.62537	94.19927	346.28961	34.73297	15.69988	52.33117	6.8E-08	7.43E-05	1.12E-05	2.1E-11	6.34E-11	5.01E-11	0	0	0	0	1.62E-10	1.4858E-08	1.35271E-08	2.14744E-11	0	1.07185E-11	0
152	571070.6	4178079	0.55, 41780	0.35702	0.41066	0.29659	228.92087	105.90077	368.47625	31.45005	16.61116	46.05953	6.36E-08	7.9E-05	9.88E-06	1.96E-11	5.93E-11	4.68E-11	0	0	0	0	1.515E-10	1.581E-08	1.1906E-08	2.00873E-11	0	1.00262E-11	0
153	571110.6	4178079	0.55, 41780	0.35812	0.41418	0.29542	212.64364	104.08221	374.64105	34.6648	20.98986	46.90606	6.34E-08	8.04E-05	1.01E-05	1.96E-11	5.91E-11	4.67E-11	0	0	0	0	1.509E-10	1.6074E-08	1.2125E-08	2.00081E-11	0	9.9867E-12	0
154	571150.6	4178079	0.55, 41780	0.37758	0.42317	0.31748	239.48451	117.47672	371.65504	34.21207	20.38272	60.67868	6.81E-08	7.97E-05	1.3E-05	2.1E-11	6.35E-11	5.01E-11	0	0	0	0	1.622E-10	1.5946E-08	1.56844E-08	2.15018E-11	0	1.07323E-11	0
155	571190.6	4178079	0.55, 41780	0.41277	0.43447	0.31013	228.77572	115.09155	359.73847	28.66724	20.67403	44.96731	6.66E-08	7.72E-05	9.65E-06	2.05E-11	6.2E-11	4.9E-11	0	0	0	0	1.585E-10	1.5435E-08	1.16235E-08	2.10045E-11	0	1.0484E-11	0
156	571230.6	4178079	0.55, 41780	0.46673	0.45732	0.33128	219.54291	100.98995	305.404	27.44286	18.56894	43.62914	7.11E-08	6.55E-05	9.36E-06	2.19E-11	6.62E-11	5.23E-11	0	0	0	0	1.693E-10	1.3104E-08	1.12776E-08	2.24369E-11	0	1.1199E-11	0
157	571270.6	4178079	0.55, 41780	0.53318	0.48578	0.3586	215.1929	81.06645	332.5769	26.89911	17.27973	41.57211	7.7E-08	7.13E-05	8.92E-06	2.37E-11	7.17E-11	5.66E-11	0	0	0	0	1.832E-10	1.4269E-08	1.07459E-08	2.42871E-11	0	1.21225E-11	0
158	571310.6	4178079	0.55, 41780	0.58671	0.50689	0.39805	205.97464	69.75551	363.05687	25.74683	14.70822	45.38211	8.54E-08	7.79E-05	9.74E-06	2.64E-11	7.96E-11	6.29E-11	0	0	0	0	2.034E-10	1.5577E-08	1.17305E-08	2.69584E-11	0	1.34558E-11	0
159	571350.6	4178079	0.55, 41780	0.61439	0.51569	0.46686	184.46358	62.8789	316.33591	23.05795	12.5762	39.54199	1E-07	6.79E-05	8.48E-06	3.09E-11	9.33E-11	7.37E-11	0	0	0	0	2.385E-10	1.3572E-08	1.0221E-08	3.16172E-11	0	1.57811E-11	0
160	571390.6	4178079	0.55, 41780	0.61879	0.51229	0.54521	162.6235	50.78632	251.98298	20.32794	11.67282	31.49787	1.17E-07	5.41E-05	6.76E-06	3.61E-11	1.09E-10	8.61E-11	0	0	0	0	2.785E-10	1.0811E-08	8.14184E-09	3.69216E-11	0	1.84287E-11	0
161	571430.6	4178079	0.55, 41780	0.60477	0.49855	0.60294	157.24404	39.05995	207.2573	19.65551	9.99401	25.90716	1.29E-07	4.45E-05	5.56E-06	3.99E-11	1.21E-10	9.52E-11	0	0	0	0	3.08E-10	8.8922E-09	6.69691E-09	4.08297E-11	0	2.03794E-11	0
162	571470.6	4178079	0.55, 41780	0.57311	0.47467	0.61341	152.07991	30.59352	215.52596	19.00999	9.68796	26.94074	1.32E-07	4.62E-05	5.78E-06	4.06E-11	1.23E-10	9.69E-11	0	0	0	0	3.134E-10	9.2469E-09	6.96399E-09	4.15381E-11	0	2.0733E-11	0
163	571510.6	4178079	0.55, 41780	0.53465	0.44658	0.58613	137.55383	33.88214	191.36045	17.19423	8.95455	23.92006	1.26E-07	4.11E-05	5.13E-06	3.88E-11	1.17E-10	9.26E-11	0	0	0	0	2.994E-10	8.2102E-09	6.18318E-09	3.96907E-11	0	1.98109E-11	0
164	571550.6	4178079	0.55, 41780	0.48548	0.41212	0.53241	120.13532	36.07438	157.49519	15.01691	7.90342	19.6869	1.14E-07	3.38E-05	4.22E-06	3.52E-11	1.06E-10	8.41E-11	0	0	0	0	2.72E-10	6.7573E-09	5.089E-09	3.60531E-11	0	1.79952E-11	0
165	571590.6	4178079	0.55, 41780	0.43445	0.37558	0.47142	108.95419	37.19094	141.55637	13.61927	6.74143	17.69455	1.01E-07	3.04E-05	3.8E-06	3.12E-11	9.42E-11	7.44E-11	0	0	0	0	2.408E-10	6.0735E-09	4.57399E-09	3.19232E-11	0	1.59339E-11	0
166	570310.6	4178119	0.55, 41781	0.10149	0.07442	0.09774	69.0748	28.05035	78.28908	8.63435	4.67506	9.78613	2.1E-08	1.68E-05	2.1E-06	6.47E-12	1.95E-11	1.54E-11	0	0	0	0	4.993E-11	3.3591E-09	2.52977E-09	6.61863E-12	0	3.30357E-12	0
167	570350.6	4178119	0.55, 41781	0.11138	0.08273	0.10725	79.07973	29.62524	82.98136	9.88497	4.93754	10.37267	2.3E-08	1.78E-05	2.23E-06	7.1E-12	2.14E-11	1.69E-11	0	0	0	0	5.479E-11	3.5604E-09	2.68144E-09	7.26264E-12	0	3.62501E-12	0
168	570390.6	4178119	0.55, 41781	0.12249	0.09237	0.11775	81.81771	30.97041	92.38822	10.22721	5.16174	11.54853	2.53E-08	1.98E-05	2.48E-06	7.8E-12	2.35E-11	1.86E-11	0	0	0	0	6.015E-11	3.964E-09	2.98536E-09	7.97369E-12	0	3.97992E-12	0
169	570430.6	4178119	0.55, 41781	0.13492	0.10362	0.12964	81.48606	32.23138	89.13007	10.18576	5.3719	11.14126	2.78E-08	1.91E-05	2.39E-06	8.58E-12	2.59E-11	2.05E-11	0	0	0	0	6.623E-11	3.8243E-09	2.8801E-09	8.77888E-12	0	4.38182E-12	0
170	570470.6	4178119	0.55, 41781	0.14882	0.11683	0.14311	90.82614	33.6686	97.62505	11.35327	5.5932	12.20313	3.07E-08	2.09E-05	2.62E-06	9.48E-12	2.86E-11	2.26E-11	0	0	0	0	7.311E-11	4.1887E-09	3.15461E-09	9.69107E-12	0	4.83712E-12	0
171	570510.6	4178119	0.55, 41781	0.16361	0.13228	0.15796	92.34034	35.20886	102.68913	11.54254	5.82093	12.83614	3.39E-08	2.2E-05	2.75E-06	1.05E-11	3.16E-11	2.49E-11	0	0	0	0	8.069E-11	4.406E-09	3.31823E-09	1.06967E-11	0	5.33908E-12	0
172	570550.6	4178119	0.55, 41781	0.17911	0.1505	0.17388	100.11195	36.92243	110.21215	12.51399	6.33987	13.77652	3.73E-08	2.36E-05	2.96E-06	1.15E-11	3.48E-11	2.75E-11	0	0	0	0	8.883E-11	4.7288E-09	3.56133E-09	1.17749E-11	0	5.87722E-12	0
173	570590.6	4178119	0.55, 41781	0.19374	0.17125	0.18923	103.74737	38.76233	121.67682	12.96842	6.89651	15.2096	4.06E-08	2.61E-05	3.26E-06	1.25E-11	3.78E-11	2.99E-11	0	0	0	0	9.667E-11	5.2207E-09	3.93173E-09	1.28145E-11	0	6.39612E-12	0
174	570630.6	4178119	0.55, 41781	0.2069	0.19483	0.20326	104.63966	41.01094	121.05227	13.84797	7.49161	15.13153	4.36E-08	2.6E-05	3.25E-06	1.35E-11	4.06E-11	3.21E-11	0	0	0	0	1.038E-10	5.1939E-09	3.91162E-09	1.37648E-11	0	6.87043E-12	0
175	570670.6	4178119	0.55, 41781	0.21998	0.22122	0.21442	115.58367	43.51142	138.36153	15.0671	8.60459	17.29519	4.6E-08	2.97E-05	3.71E-06	1.42E-11	4.29E-11	3.39E-11	0	0	0	0	1.095E-10	5.9365E-09	4.47088E-09	1.45208E-11	0	7.24779E-12	0
176	570710.6	4178119	0.55, 41781	0.23703	0.25104	0.22497	127.12041	45.98226	134.54184	16.41254	9.96819	16.81773	4.83E-08	2.89E-05	3.61E-06	1.49E-11	4.5E-11	3.55E-11	0	0	0	0	1.149E-10	5.7727E-09	4.34758E-09	1.52356E-11	0	7.60456E-12	0
177	570750.6	4178119	0.55, 41781	0.26187	0.28441	0.24496	163.41699	49.64069	173.69321	20.42712	11.18287	24.67477	5.26E-08	3.73E-05	5.29E-06	1.62E-11	4.9E-11	3.87E-11	0	0	0	0	1.251E-10	7.4524E-09	6.37846E-09	1.65895E-11	0	8.28037E-12	0
178	570790.6	4178119	0.55, 41781	0.29707	0.32177	0.27572	189.30326	59.79186	203.13563	23.66291	12.3939	25.39195	5.92E-08	4.36E-05	5.45E-06	1.83E-11	5.51E-11	4.35E-11	0	0	0	0	1.409E-10	8.7157E-09	6.56404E-09	1.86727E-11	0	9.32016E-12	0
179	570830.6	4178119	0.55, 41781	0.34574	0.3643	0.31009	193.11502	64.55328	210.79637	24.13938	13.76558	26.34955	6.65E-08	4.52E-05	5.65E-06	2.05E-11	6.2E-11	4.9E-11	0	0	0	0	1.584E-10	9.0444E-09	6.81156E-09	2.10005E-11	0	1.0482E-11	0
180	570870.6	4178119	0.55, 41781	0.41228	0.41342	0.35667	202.8381	69.60981	241.64288	25.35476	15.49628	31.6123	7.65E-08	5.18E-05	6.78E-06	2.36E-11	7.13E-11	5.63E-11	0	0	0	0	1.822E-10	1.0368E-08	8.17177E-09	2.4155E-11	0	1.20565E-11	0
181	570910.6	4178119	0.55, 41781	0.49003	0.46844	0.41739	224.50761	75.3478	268.49725	28.06345	17.99511	33.56216	8.96E-08	5.76E-05	7.2E-06	2.76E-11	8.34E-11	6.59E-11	0	0	0	0	2.132E-10	1.152E-08	8.67589E-09	2.82669E-11	0	1.41089E-11	0
182	570950.6	4178119	0.55, 41781	0.55455	0.52056	0.48015	237.44511	82.6149	307.44591	31.19836	20.61697	38.43074	1.03E-07	6.6E-05	8.25E-06	3.18E-11	9.6E-11	7.58E-11	0	0	0	0	2.453E-10	1.3191E-08	9.93436E-09	3.25169E-11	0	1.62302E-11	0
183	570990.6	4178119	0.55, 41781	0.59019	0.56679	0.49805	260.70129	98.30209	347.94815	39.14578	18.7176	43.49352	1.07E-07	7.46E-05	9.33E-06	3.3E-11	9.96E-11	7.87E-11	0	0	0	0	2.544E-10	1.4929E-08	1.12434E-08	3.37296E-11	0	1.68355E-11	0
184	571030.6	4178119	0.55, 41781	0.58003	0.59593	0.46436	288.08817	110.38847	394.82286	43.41155	19.84321	60.28631	9.96E-08	8.47E-05	1.29E-05	3.07E-11	9.28E-11	7.33E-11	0	0	0	0	2.372E-10	1.694E-08	1.55836E-08	3.14492E-11	0	1.56973E-11	0
185	571070.6	4178119	0.55, 41781	0.56003	0.61401	0.43624	281.59163	124.26135	479.69295	39.26934	23.95732	65.06151	9.36E-08	0.000103	1.4E-05	2.89E-11	8.72E-11	6.89E-11	0	0	0	0	2.229E-10	2.0581E-08	1.68175E-08	2.95457E-11	0	1.47472E-11	0
186	571110.6	4178119	0.55, 41781	0.57497	0.62965	0.42923	279.23237	138.16088	507.21032	41.39356	27.39628	63.69191	9.21E-08	0.000109	1.37E-05	2.84E-11	8.58E-11	6.78E-11	0	0	0	0	2.193E-10	2.1762E-08	1.64636E-08	2.90714E-11	0	1.45104E-11	0
187	571150.6	4178119	0.55, 41781	0.64473	0.65929	0.45591	273.06399	137.55558	506.75735	37.77228	27.34359	77.75635	9.78E-08	0.000109	1.67E-05	3.02E-11	9.12E-11	7.2E-11	0	0	0	0	2.329E-10	2.1742E-08	2.00982E-08	3.08783E-11	0	1.54123E-11	0
188	571190.6	4178119	0.55, 41781	0.76806	0.70549	0.46182	260.36357	120.74038	479.78233	32.90288	24.49294	68.54033	9.91E-08	0.000103	1.47E-05	3.06E-11	9.23E-11	7.29E-11	0	0	0	0	2.36E-10	2.0585E-08	1.77161E-08	3.12794E-11	0	1.56125E-11	0
189	571230.6	4178119	0.55, 41781	0.88147	0.74364	0.51839	250.38438	100.21062	435.42985	31.29805	22.32262	54.42873	1.11E-07	9.34E-05	1.17E-05	3.43E-11	1.04E-10	8.19E-11	0	0	0	0	2.649E-10	1.8682E-08	1.40689E-08	3.51102E-11	0	1.75246E-11	0
190	571270.6	4178119	0.55, 41781	0.94057	0.75526	0.59724	235.31349	80.57107	462.41399	29.41419	18.81416	57.80175	1.28E-07	9.92E-05	1.24E-05	3.95E-11	1.19E-10	9.43E-11	0	0	0	0	3.051E-10	1.9839E-08	1.49405E-08	4.04488E-11	0	2.01893E-11	0
191	571310.6	4178119	0.55, 41781	0.94266	0.74202	0.72716	211.76846	71.48368	401.12341	26.47106	15.9259	50.14043	1.56E-07	8.6E-05	1.08E-05	4.81E-11	1.45E-10	1.15E-10	0	0	0	0	3.715E-10	1.721E-08	1.29603E-08	4.92444E-11	0	2.45795E-11	0
192	571350.6	4178119	0.55, 41781	0.90909	0.71255	0.85266	184.59351	57.17412	286.57244	23.07419	14.42847	35.82155	1.83E-07	6.15E-05	7.69E-06	5.65E-11	1.7E-10	1.35E-10	0	0	0	0	4.356E-10	1.2295E-08	9.25945E-09	5.77405E-11	0	2.88201E-11	0
193	571390.6	4178119	0.55, 41781	0.85308	0.67145	0.90336	182.88204	42.90716	275.98695	22.86025	12.27464	34.49837	1.94E-07	5.92E-05	7.4E-06	5.98E-11	1.81E-10	1.43E-10	0	0	0	0	4.615E-10	1.1841E-08	8.91747E-09	6.11722E-11	0	3.0533E-11	0
194	571430.6	4178119	0.55, 41781	0.78	0.62166	0.86624	169.0522	41.64549	252.50347	21.13153	11.39175	31.56293	1.86E-07	5.42E-05	6.77E-06	5.74E-11	1.73E-10	1.37E-10	0	0	0	0	4.425E-10	1.0833E-08	8.15871E-09	5.86581E-11	0	2.92781E-11	0
195	571470.6	4178119	0.55, 41781	0.69763	0.567	0.77646	144.82238	43.55007	199.26025	18.1028	10.0864	24.90753	1.67E-07	4.27E-05	5.34E-06	5.14E-11	1.55E-10	1.23E-10	0	0	0	0	3.966E-10	8.5492E-09	6.43845E-09	5.25787E-11	0	2.62437E-11	0
196	571510.6	4178119	0.55, 41781	0.61632	0.51188	0.67545	129.07456	44.20691	173.84445	16.93315	8.5721	21.73056	1.45E-07	3.73E-05	4.66E-06	4.47E-11	1.35E-10	1.07E-10	0	0	0	0	3.45E-10	7.4588E-09	5.61731E-09	4.57391E-11	0	2.28298E-11	0
197	571550.6	4178119	0.55, 41781	0.53701	0.45659	0.57828	116.13448	43.6354	149.52645	16.99831	7.6971	20.20244	1.24E-07	3.21E-05	4.33E-06	3.83E-11	1.16E-10	9.13E-11	0	0	0	0	2.954E-10	6.4155E-09	5.22238E-09	3.91594E-11	0	1.95457E-11	0
198	571590.6	4178119	0.55, 41781	0.46599	0.40463	0.49394	103.06511	42.01095	133.93422	16.60125	6.75955	20.50745	1.06E-07	2.87E-05	4.4E-06	3.27E-11	9.87E-11	7.8E-11	0	0	0	0	2.523E-10	5.7465E-09	5.30118E-09	3.34484E-11	0	1.66952E-11	0
199	570310.6	4178159	0.55, 41781	0.10452	0.07557	0.10002	83.14681	27.07322	89.45551	10.39335	4.47805	11.18194	2.15E-08	1.92E-05	2.4E-06	6.62E-12	2E-11	1.58E-11	0	0	0	0	5.109E-11	3.8382E-09	2.89063E-09	6.77302E-12	0	3.38063E-12	0
200	570350.6	4178159	0.55, 41781	0.1156	0.08446	0.11071	83.51332	29.37807	93.62995	10.43917	4.89635	11.70374	2.38E-08	2.01E-05	2.51E-06	7.33E-12	2.21E-11	1.75E-11	0	0	0	0	5.656E-11	4.0173E-09	3.02549E-09	7.49692E-12	0	3.74195E-12	0
201	570390.6	4178159	0.55, 41781	0.12828	0.09489	0.12282	85.72091	31.44775	90.10823	10.71511	5.24129	11.26353	2.64E-08	1.93E-05	2.42E-06	8.13E-12	2.46E-11	1.94E-11	0	0	0	0	6.274E-11	3.8662E-09	2.91174E-09	8.31699E-12	0	4.15128E-12	0
202	570430.6	4178159	0.55, 41781	0.14269	0.1072	0.13639	94.53138	33.159	104.73347	11.81642	5.5265	13.09168	2.93E-08	2.25E-05	2.81E-06	9.03E-12	2.73E-11	2.15E-11	0	0	0	0	6.967E-11	4.4937E-09	3.38429E-09	9.23594E-12	0	4.60995E-12	0
203	570470.6	4178159	0.55, 41781	0.15906	0.12183	0.15182	91.68652	34.69147	109.10852	11.46082	5.78191	13.63857	3.26E-08	2.34E-05	2.93E-06	1.01E-11	3.03E-11	2.4E-11	0	0	0	0	7.756E-11	4.6814E-09	3.5256E-09	1.02809E-11	0	5.13151E-12	0
204	570510.6	4178159	0.55, 41781	0.17738	0.13933	0.16931	103.8828	36.49731	110.76271	12.98535	6.04456	13.84534	3.63E-08	2.38E-05	2.97E-06	1.12E-11	3.38E-11	2.67E-11	0	0	0	0	8.649E-11	4.7524E-09	3.57915E-09	1.14653E-11	0	5.7227E-12	0
205	570550.6	4178159	0.55, 41781	0.19733	0.16029	0.18927	106.21161	38.46337	121.82569	13.27645	6.62676	15.22821	4.06E-08	2.61E-05	3.27E-06	1.25E-11	3.78E-11	2.99E-11	0	0	0	0	9.669E-11	5.227E-09	3.93656E-09	1.2817E-11	0	6.39738E-12	0
206	570590.6	4178159	0.55, 41781	0.21794	0.18524	0.21062	115.65264	40.48441	129.80552	14.45658	7.37316	16.22569	4.52E-08	2.78E-05	3.48E-06	1.39E-11	4.21E-11	3.33E-11	0	0	0	0	1.076E-10	5.5694E-09	4.19444E-09	1.42629E-11	0	7.11908E-12	0
207	570630.6	4178159	0.55, 41781	0.23707	0.21436	0.23118	118.44365	42.79741	144.28442	14.80546	8.08317	18.03555	4.96E-08	3.1E-05	3.87E-06	1.53E-11	4.62E-11	3.65E-11	0	0	0	0	1.181E-10	6.1906E-09	4.66221E-09	1.56554E-11	0	7.81411E-12	0
208	570670.6	4178159	0.55, 41781	0.25383	0.24795	0.24882	124.95922	45.84094	144.90734	15.6199	8.90031	18.11342	5.34E-08	3.11E-05	3.89E-06	1.65E-11	4.97E-11	3.93E-11	0	0	0	0	1.271E-10	6.2174E-09	4.68239E-09	1.68502E-11	0	8.4105E-12	0
209	570710.6	4178159	0.55, 41781	0.27135	0.28697	0.26135	131.25248	49.29697	162.49426	17.47805	10.6966	20.31178	5.61E-08	3.49E-05	4.36E-06	1.73E-11	5.22E-11	4.13E-11	0	0	0	0	1.335E-10	6.9719E-09	5.25067E-09	1.76992E-11	0	8.83426E-12	0
210	570750.6	4178159	0.55, 41781	0.29528	0.33222	0.27619	146.48828	52.90094	155.94977	21.86848	12.23914	22.93785	5.93E-08	3.35E-05	4.92E-06	1.83E-11	5.52E-11	4.36E-11	0	0	0	0	1.411E-10	6.6912E-09	5.92967E-09	1.87047E-11	0	9.33613E-12	0
211	570790.6	4178159	0.55, 41781	0.33253	0.38536	0.30655	168.4296	63.37031	207.44804	22.18934	13.75991	31.3643	6.58E-08	4.45E-05	6.73E-06	2.03E-11	6.13E-11	4.84E-11	0	0	0	0	1.566E-10	8.9007E-09	8.10745E-09	2.07611E-11	0	1.03625E-11	0
212	570830.6	4178159	0.55, 41781	0.39122	0.44987	0.34708	226.40986	70.88867	244.94075	28.30123	15.58224	30.61759	7.45E-08	5.25E-05	6.57E-06	2.3E-11	6.94E-11	5.48E-11	0	0	0	0	1.773E-10	1.0509E-08	7.9149E-09	2.35063E-11	0	1.17327E-11	0
213	570870.6	4178159	0.55, 41781	0.48272	0.53035	0.408	262.06298	76.1106	293.39264	32.75787	17.58972	36.67408	8.75E-08	6.29E-05	7.87E-06	2.7E-11	8.16E-11	6.44E-11	0	0	0	0	2.085E-10	1.2588E-08	9.48047E-09	2.76322E-11	0	1.37921E-11	0
214	570910.6	4178159	0.55, 41781	0.61652	0.63133	0.50366	261.24493	84.17228	335.42472	32.65562	20.33398	41.92809	1.08E-07	7.2E-05	9E-06	3.34E-11	1.01E-10	7.95E-11	0	0	0	0	2.573E-10	1.4391E-08	1.08383E-08	3.41105E-11	0	1.70257E-11	0
215	570950.6	4178159	0.55, 41781	0.78722	0.75662	0.63069	286.12528	93.97029	373.71712	38.09436	25.30252	46.71464	1.35E-07	8.02E-05	1E-05	4.18E-11	1.26E-10	9.96E-11	0	0	0	0	3.222E-10	1.6034E-08	1.20758E-08	4.27131E-11	0	2.13195E-11	0
216	570990.6	4178159	0.55, 41781	0.95557	0.89576	0.74297	303.7283	113.02353	445.40224	49.39935	30.83627	55.67528	1.59E-07	9.55E-05	1.19E-05	4.92E-11	1.49E-10	1.17E-10	0	0	0	0	3.796E-10	1.911E-08	1.43924E-08	5.03174E-11	0	2.5115E-11	0
217	571030.6	4178159	0.55, 41781	1.0701	1.00768	0.7637	365.27865	135.92516	512.48146	63.89384	29.33742	70.31034	1.64E-07	0.00011	1.51E-05	5.06E-11	1.53E-10	1.21E-10	0	0	0	0	3.902E-10	2.1988E-08	1.81757E-08	5.17229E-11	0	2.58166E-11	0
218	571070.6	4178159	0.55, 41781	1.06935	1.07923	0.71312	382.13438	155.20031	662.82772	54.74849	37.25068	94.68967	1.53E-07	0.000142	2.03E-05	4.72E-11	1.43E-10	1.13E-10	0	0	0	0	3.644E-10	2.8438E-08	2.44757E-08	4.82997E-11	0	2.41079E-11	0
219	571110.6	4178159	0.55, 41781	1.19831	1.16386	0.6846	373.85472	174.62021	736.75515	53.40782	39.37776	93.09067	1.47E-07	0.000158	2E-05	4.53E-11	1.37E-10	1.08E-10	0	0	0	0	3.498E-10	3.161E-08	2.40624E-08	4.63705E-11	0	2.3145E-11	0
220	571150.6	4178159	0.55, 41781	1.53671	1.26322	0.72724	331.2731	149.81574	693.97089	50.26616	34.67292	96.78528	1.56E-07	0.000149	2.08E-05	4.82E-11	1.45E-10	1.15E-10	0	0	0	0	3.716E-10	2.9774E-08	2.5017E-08	4.92596E-11	0	2.45871E-11	0
221	571190.6	4178159	0.55, 41781	1.71324	1.27647	0.80447	303.51531	125.05743	565.89383	43.45807	29.97586	80.84198	1.73E-07	0.000121	1.73E-05	5.33E-11	1.61E-10	1.27E-10	0	0	0	0	4.111E-10	2.4279E-08	2.08961E-08	5.44888E-11	0	2.71971E-11	0
222	571230.6	4178159	0.55, 41781	1.67997	1.21931	0.99011	277.00255	96.22407	622.39581	36.53844	24.95569	77.79948	2.12E-07	0.000134	1.67E-05	6.56E-11	1.98E-10	1.56E-10	0	0	0	0	5.059E-10	2.6703E-08	2.01093E-08	6.7056E-11	0	3.34698E-11	0
223	571270.6	4178159	0.55, 41781	1.56347	1.13234	1.265	251.98402	83.18585	536.39129	31.498	20.71301	67.04891	2.71E-07	0.000115	1.44E-05	8.38E-11	2.53E-10	2E-10	0	0	0	0	6.462E-10	2.3013E-08	1.73305E-08	8.5665E-11	0	4.27581E-11	0
224	571310.6	4178159	0.55, 41781	1.42012	1.03692	1.45126	223.09845	65.85457	360.16353	27.88731	18.21453	45.02044	3.11E-07	7.73E-05	9.66E-06	9.61E-11	2.9E-10	2.29E-10	0	0	0	0	7.414E-10	1.5453E-08	1.16372E-08	9.82733E-11	0	4.90513E-11	0
225	571350.6	4178159	0.55, 41781	1.26306	0.93714	1.42084	212.7442	53.05659	355.96566	26.59303	15.01468	44.49571	3.05E-07	7.64E-05	9.55E-06	9.41E-11	2.84E-10	2.24E-10	0	0	0	0	7.258E-10	1.5272E-08	1.15015E-08	9.62118E-11	0	4.80224E-11	0
226	571390.6	4178159	0.55, 41781	1.10199	0.83709	1.24864	185.92823	54.01949	274.01244	23.24103	13.29114	34.25155	2.68E-07	5.88E-05	7.35E-06	8.27E-11	2.5E-10	1.97E-10	0	0	0	0	6.378E-10	1.1756E-08	8.85371E-09	8.45516E-11	0	4.22024E-11	0
227	571430.6	4178159	0.55, 41781	0.9418	0.73869	1.04204	159.26436	53.60229	222.79179	21.61583	11.2268	27.84897	2.24E-07	4.78E-05	5.98E-06	6.9E-11	2.08E-10	1.65E-10	0	0	0	0	5.323E-10	9.5589E-09	7.1989E-09	7.05624E-11	0	3.52199E-11	0
228	571470.6	4178159	0.55, 41781	0.79447	0.64516	0.85663	139.92539	51.85557	187.30754	21.06215	9.90602	27.91527	1.84E-07	4.02E-05	5.99E-06	5.67E-11	1.71E-10	1.35E-10	0	0	0	0	4.376E-10	8.0365E-09	7.21599E-09	5.80079E-11	0	2.89536E-11	0
229	571510.6	4178159	0.55, 41781	0.67282	0.56206	0.7111	120.25585	49.92459	159.61818	19.96311	8.50885	26.60303	1.53E-07	3.42E-05	5.71E-06	4.71E-11	1.42E-10	1.12E-10	0	0	0	0	3.633E-10	6.8485E-09	6.87677E-09	4.81536E-11	0	2.4035E-11	0
230	571550.6	4178159	0.55, 41781	0.57423	0.48972	0.59807	110.64777	47.57404	144.95635	18.4413	7.31081	24.15939	1.28E-07	3.11E-05	5.18E-06	3.96E-11	1.2E-10	9.44E-11	0	0	0	0	3.055E-10	6.2195E-09	6.24513E-09	4.04998E-11	0	2.02148E-11	0
231	571590.6	4178159	0.55, 41781	0.49292	0.42713	0.50772	100.4908	44.5532	128.72625	16.74847	6.44552	21.45437	1.09E-07	2.76E-05	4.6E-06	3.36E-11	1.01E-10	8.02E-11	0	0	0	0	2.594E-10	5.5231E-09	5.54591E-09	3.43818E-11	0	1.7161E-11	0
232	570310.6	4178199	0.55, 41781	0.10691	0.07648	0.10208	81.28791	24.55019	79.664	10.16099	3.94128	9.958	2.19E-08	1.71E-05	2.14E-06	6.76E-12	2.04E-11	1.61E-11	0	0	0	0	5.215E-11	3.4181E-09	2.57429E-09	6.91251E-12	0	3.45025E-12	0
233	570350.6	4178199	0.55, 41781	0.11881	0.08587	0.11329	92.41038	27.80697	96.15133	11.5513	4.55912	12.01892	2.43E-08	2.06E-05	2.58E-06	7.5E-12	2.26E-11	1.79E-11	0	0	0	0	5.787E-11	4.1254E-09	3.10702E-09	7.67162E-12	0	3.82915E-12	0
234	570390.6	4178199	0.55, 41781	0.13286	0.09703	0.12666	98.9418	30.67703	108.4605	12.36772	5.11284	13.55756	2.72E-08	2.33E-05	2.91E-06	8.39E-12	2.53E-11	2E-11	0	0	0	0	6.47E-11	4.6536E-09	3.50473E-09	8.57701E-12	0	4.28106E-12	0
235	570430.6	4178199	0.55, 41781	0.14935	0.11037	0.14231	98.24021	33.47488	112.67373	12.28003	5.57915	14.08422	3.05E-08	2.42E-05	3.02E-06	9.42E-12	2.84E-11	2.25E-11	0	0	0	0	7.27E-11	4.8343E-09	3.64083E-09	9.63681E-12	0	4.81004E-12	0
236	570470.6	4178199	0.55, 41781	0.1686	0.12646	0.16043	107.25905	35.76824	115.05444	13.40738	5.96137	14.38181	3.44E-08	2.47E-05	3.09E-06	1.06E-11	3.21E-11	2.53E-11	0	0	0	0	8.196E-11	4.9365E-09	3.71782E-09	1.08639E-11	0	5.42251E-12	0
237	570510.6	4178199	0.55, 41781	0.19081	0.14598	0.18108	111.923	37.71142	131.96286	13.99038	6.28524	16.49536	3.89E-08	2.83E-05	3.54E-06	1.2E-11	3.62E-11	2.86E-11	0	0	0	0	9.25E-11	5.6619E-09	4.2641E-09	1.22623E-11	0	6.1205E-12	0
238	570550.6	4178199	0.55, 41781	0.21602	0.16987	0.20494	119.57772	40.00549	129.21029	14.94721	6.67621	16.15129	4.4E-08	2.77E-05	3.47E-06	1.36E-11	4.1E-11	3.24E-11	0	0	0	0	1.047E-10	5.5439E-09	4.17524E-09	1.38781E-11	0	6.92701E-12	0
239	570590.6	4178199	0.55, 41781	0.24388	0.19917	0.2325	124.08345	42.52786	147.10165	15.51043	7.78928	18.38771	4.99E-08	3.16E-05	3.95E-06	1.54E-11	4.65E-11	3.67E-11	0	0	0	0	1.188E-10	6.3115E-09	4.75327E-09	1.57445E-11	0	7.85859E-12	0
240	570630.6	4178199	0.55, 41781	0.27242	0.23473	0.26214	135.79301	45.13025	156.31523	16.97413	8.73982	19.5394	5.62E-08	3.35E-05	4.19E-06	1.74E-11	5.24E-11	4.14E-11	0	0	0	0	1.339E-10	6.7068E-09	5.05102E-09	1.77519E-11	0	8.86052E-12	0
241	570670.6	4178199	0.55, 41781	0.29828	0.27729	0.29064	136.89517	48.04336	174.48935	17.44831	9.65486	21.81117	6.24E-08	3.74E-05	4.68E-06	1.92E-11	5.81E-11	4.59E-11	0	0	0	0	1.485E-10	7.4865E-09	5.63817E-09	1.96821E-11	0	9.82398E-12	0
242	570710.6	4178199	0.55, 41781	0.321	0.32818	0.31291	151.98197	52.23375	185.24815	19.68934	11.4382	23.15602	6.71E-08	3.97E-05	4.97E-06	2.07E-11	6.26E-11	4.94E-11	0	0	0	0	1.599E-10	7.9482E-09	5.9859E-09	2.11907E-11	0	1.0577E-11	0
243	570750.6	4178199	0.55, 41781	0.34558	0.38955	0.32771	144.14265	57.26085	196.68908	22.53194	13.53855	24.58613	7.03E-08	4.22E-05	5.28E-06	2.17E-11	6.55E-11	5.18E-11	0	0	0	0	1.674E-10	8.439E-09	6.3557E-09	2.21938E-11	0	1.10776E-11	0
244	570790.6	4178199	0.55, 41781	0.38143	0.46429	0.35275	173.32889	66.95506	241.81218	25.57778	15.36352	36.58263	7.57E-08	5.19E-05	7.85E-06	2.34E-11	7.05E-11	5.57E-11	0	0	0	0	1.802E-10	1.0375E-08	9.45633E-09	2.38904E-11	0	1.19244E-11	0
245	570830.6	4178199	0.55, 41781	0.44289	0.55991	0.39405	200.31972	78.9407	262.23048	28.47462	17.66262	37.4615	8.46E-08	5.63E-05	8.04E-06	2.61E-11	7.88E-11	6.22E-11	0	0	0	0	2.013E-10	1.1251E-08	9.68367E-09	2.66882E-11	0	1.33209E-11	0
246	570870.6	4178199	0.55, 41781	0.55133	0.6879	0.45528	245.75399	83.68372	263.19795	34.28137	20.83884	36.18743	9.77E-08	5.65E-05	7.76E-06	3.01E-11	9.1E-11	7.19E-11	0	0	0	0	2.326E-10	1.1293E-08	9.35481E-09	3.08359E-11	0	1.53912E-11	0
247	570910.6	4178199	0.55, 41781	0.74216	0.86472	0.57468	353.61381	98.21675	387.24795	44.20173	24.01316	48.40599	1.23E-07	8.31E-05	1.04E-05	3.81E-11	1.15E-10	9.08E-11	0	0	0	0	2.936E-10	1.6615E-08	1.25133E-08	3.89229E-11	0	1.94276E-11	0
248	570950.6	4178199	0.55, 41781	1.08517	1.1274	0.77671	376.11466	111.85514	479.74888	52.74149	29.33795	59.96861	1.67E-07	0.000103	1.29E-05	5.14E-11	1.55E-10	1.23E-10	0	0	0	0	3.968E-10	2.0584E-08	1.55022E-08	5.26057E-11	0	2.62572E-11	0
249	570990.6	4178199	0.55, 41781	1.58976	1.56693	1.05873	410.19015	135.68135	559.12982	68.60008	44.06737	76.18548	2.27E-07	0.00012	1.63E-05	7.01E-11	2.12E-10	1.67E-10	0	0	0	0	5.409E-10	2.3989E-08	1.96944E-08	7.17074E-11	0	3.57914E-11	0
250	571030.6	4178199	0.55, 41781	2.42958	2.27373	1.377	561.74649	191.25505	728.04918	107.05418	55.40677	100.45619	2.96E-07	0.000156	2.16E-05	9.12E-11	2.75E-10	2.17E-10	0	0	0	0	7.036E-10	3.1237E-08	2.59698E-08	9.32683E-11	0	4.65532E-11	0
251	571070.6	4178199	0.55, 41781	3.58306	3.18041	1.39903	721.18769	259.71405	966.70756	139.44796	73.67892	146.94766	3E-07	0.000207	3.15E-05	9.27E-11	2.8E-10	2.21E-10	0	0	0	0	7.15E-10	4.1477E-08	3.79874E-08	9.47771E-11	0	4.73063E-11	0
252	571110.6	4178199	0.55, 41781	5.26167	3.22788	1.2956	536.30163	206.72583	1199.13306	116.57539	57.94295	153.9862	2.78E-07	0.000257	3.3E-05	8.58E-11	2.59E-10	2.05E-10	0	0	0	0	6.622E-10	5.1447E-08	3.98049E-08	8.77786E-11	0	4.38131E-11	0
253	571150.6	4178199	0.55, 41781	4.55265	2.7214	1.43074	406.82024	165.14744	1078.46551	75.27018	43.84452	138.95995	3.07E-07	0.000231	2.98E-05	9.48E-11	2.86E-10	2.26E-10	0	0	0	0	7.311E-10	4.627E-08	3.59185E-08	9.69181E-11	0	4.83749E-11	0
254	571190.6	4178199	0.55, 41781	3.6655	2.27193	1.9191	348.88414	129.45816	921.59929	55.11772	35.12171	118.18584	4.12E-07	0.000198	2.54E-05	1.27E-10	3.84E-10	3.03E-10	0	0	0	0	9.805E-10	3.954E-08	3.05482E-08	1.29972E-10	0	6.48731E-11	0

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	0	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	0	10	2	70	0.85
2<9	861	1	0.854795	0.000001	0	3	0.55	70	0.72
Student	640	1	0.493151	0.000001	0	3	2.8	70	1
Worker	230	1	0.684932	0.000001	0	1	2.8	70	1

Toluene

	Chronic (Annu	Acute (1hr)	8hr
REL:	420	5000	830

255	571230.6	4178199	0.55, 41781	2.99647	1.91661	2.63905	311.11499	100.77545	780.81724	44.29874	28.05958	97.60216	5.66E-07	0.000167	2.09E-05	1.75E-10	5.28E-10	4.17E-10	0	0	0	0	1.348E-09	3.35E-08	2.52277E-08	1.78707E-10	0	8.91983E-11	0
256	571270.6	4178199	0.55, 41781	2.48655	1.63354	2.7833	275.28639	78.6156	563.64868	36.03295	23.70769	70.45609	5.97E-07	0.000121	1.51E-05	1.84E-10	5.56E-10	4.39E-10	0	0	0	0	1.422E-09	2.4183E-08	1.82114E-08	1.88467E-10	0	9.407E-11	0
257	571310.6	4178199	0.55, 41781	2.04979	1.39182	2.36332	251.65063	69.80646	418.93362	31.45633	18.505	52.3667	5.07E-07	8.99E-05	1.12E-05	1.56E-10	4.72E-10	3.73E-10	0	0	0	0	1.207E-09	1.7974E-08	1.3536E-08	1.60029E-10	0	7.98755E-11	0
258	571350.6	4178199	0.55, 41781	1.66907	1.18291	1.84305	207.71058	67.17721	304.96385	28.41822	15.5683	43.42728	3.95E-07	6.54E-05	9.32E-06	1.22E-10	3.68E-10	2.91E-10	0	0	0	0	9.415E-10	1.3084E-08	1.12255E-08	1.24801E-10	0	6.22923E-11	0
259	571390.6	4178199	0.55, 41781	1.33874	0.99933	1.42084	175.53523	63.93291	243.3206	26.80029	13.20173	40.55343	3.05E-07	5.22E-05	8.7E-06	9.41E-11	2.84E-10	2.24E-10	0	0	0	0	7.258E-10	1.044E-08	1.04826E-08	9.6213E-11	0	4.8023E-11	0
260	571430.6	4178199	0.55, 41781	1.08215	0.84466	1.12094	146.49279	60.30749	207.71024	24.41546	11.02968	34.61837	2.41E-07	4.46E-05	7.43E-06	7.42E-11	2.24E-10	1.77E-10	0	0	0	0	5.726E-10	8.9119E-09	8.9486E-09	7.59061E-11	0	3.78872E-11	0
261	571470.6	4178199	0.55, 41781	0.88511	0.71494	0.90372	129.54701	55.96987	172.11269	21.59117	9.33698	28.68545	1.94E-07	3.69E-05	6.15E-06	5.98E-11	1.81E-10	1.43E-10	0	0	0	0	4.617E-10	7.3846E-09	7.41508E-09	6.11973E-11	0	3.05455E-11	0
262	571510.6	4178199	0.55, 41781	0.73336	0.60746	0.74181	112.64977	51.14316	142.69265	18.77496	8.40942	23.78211	1.59E-07	3.06E-05	5.1E-06	4.91E-11	1.48E-10	1.17E-10	0	0	0	0	3.79E-10	6.1224E-09	6.14764E-09	5.02336E-11	0	2.50732E-11	0
263	571550.6	4178199	0.55, 41781	0.6189	0.52125	0.62191	97.68282	46.08498	120.36205	16.28047	7.59304	20.06034	1.33E-07	2.58E-05	4.3E-06	4.12E-11	1.24E-10	9.82E-11	0	0	0	0	3.177E-10	5.1643E-09	5.1856E-09	4.21145E-11	0	2.10207E-11	0
264	571590.6	4178199	0.55, 41781	0.52714	0.45016	0.52751	84.87826	41.93857	102.67653	14.14638	6.8553	17.11275	1.13E-07	2.2E-05	3.67E-06	3.49E-11	1.05E-10	8.33E-11	0	0	0	0	2.695E-10	4.4055E-09	4.42367E-09	3.5722E-11	0	1.783E-11	0
265	570310.6	4178239	0.55, 41782	0.10871	0.07725	0.10419	69.36135	22.19632	77.30253	9.49069	3.20395	10.55794	2.24E-08	1.66E-05	2.27E-06	6.9E-12	2.08E-11	1.65E-11	0	0	0	0	5.322E-11	3.3167E-09	2.7293E-09	7.05537E-12	0	3.52156E-12	0
266	570350.6	4178239	0.55, 41782	0.12097	0.08699	0.11543	80.24676	23.95533	77.73127	10.03084	3.79637	10.6184	2.48E-08	1.67E-05	2.28E-06	7.64E-12	2.31E-11	1.82E-11	0	0	0	0	5.897E-11	3.3351E-09	2.74496E-09	7.81653E-12	0	3.90148E-12	0
267	570390.6	4178239	0.55, 41782	0.13576	0.09875	0.129	97.68381	28.15369	96.07123	12.21048	4.56788	12.0089	2.77E-08	2.06E-05	2.58E-06	8.54E-12	2.58E-11	2.04E-11	0	0	0	0	6.59E-11	4.122E-09	3.10448E-09	8.73547E-12	0	4.36015E-12	0
268	570430.6	4178239	0.55, 41782	0.15369	0.11303	0.14573	112.57412	32.01468	119.02369	14.07177	5.30028	14.87796	3.13E-08	2.55E-05	3.19E-06	9.65E-12	2.91E-11	2.3E-11	0	0	0	0	7.445E-11	5.1068E-09	3.8461E-09	9.8684E-12	0	4.92563E-12	0
269	570470.6	4178239	0.55, 41782	0.17542	0.1305	0.16624	120.86213	35.6675	135.90431	15.10777	5.94458	16.98804	3.57E-08	2.92E-05	3.64E-06	1.1E-11	3.32E-11	2.63E-11	0	0	0	0	8.492E-11	5.831E-09	4.39151E-09	1.12573E-11	0	5.61888E-12	0
270	570510.6	4178239	0.55, 41782	0.20166	0.15208	0.19089	118.29832	38.86505	139.27939	14.78729	6.47751	17.40992	4.1E-08	2.99E-05	3.74E-06	1.26E-11	3.82E-11	3.01E-11	0	0	0	0	9.752E-11	5.9758E-09	4.50052E-09	1.29266E-11	0	6.45206E-12	0
271	570550.6	4178239	0.55, 41782	0.23297	0.17899	0.21994	134.82021	41.51275	155.81716	16.85253	6.91879	19.47714	4.72E-08	3.34E-05	4.18E-06	1.46E-11	4.4E-11	3.47E-11	0	0	0	0	1.124E-10	6.6854E-09	5.03492E-09	1.48938E-11	0	7.43398E-12	0
272	570590.6	4178239	0.55, 41782	0.26933	0.21289	0.25402	138.182	44.61865	161.93184	17.27275	7.89914	20.24148	5.45E-08	3.47E-05	4.34E-06	1.68E-11	5.08E-11	4.01E-11	0	0	0	0	1.298E-10	6.9478E-09	5.23249E-09	1.72017E-11	0	8.58594E-12	0
273	570630.6	4178239	0.55, 41782	0.31001	0.25571	0.29378	151.57706	47.88426	180.12829	18.94713	9.37801	22.51604	6.3E-08	3.86E-05	4.83E-06	1.95E-11	5.87E-11	4.64E-11	0	0	0	0	1.501E-10	7.7285E-09	5.82045E-09	1.98944E-11	0	9.92991E-12	0
274	570670.6	4178239	0.55, 41782	0.35129	0.30919	0.33746	163.01094	51.1286	193.67566	20.37637	10.66356	24.20946	7.24E-08	4.15E-05	5.19E-06	2.23E-11	6.75E-11	5.33E-11	0	0	0	0	1.724E-10	8.3097E-09	6.2582E-09	2.28526E-11	0	1.14064E-11	0
275	570710.6	4178239	0.55, 41782	0.3879	0.37553	0.37852	161.77129	55.27243	215.9147	21.46966	11.91574	26.98934	8.12E-08	4.63E-05	5.79E-06	2.51E-11	7.57E-11	5.98E-11	0	0	0	0	1.934E-10	9.2638E-09	6.97672E-09	2.56336E-11	0	1.27945E-11	0
276	570750.6	4178239	0.55, 41782	0.41955	0.45853	0.40652	185.09687	61.2613	243.75059	24.33831	15.0229	31.56234	8.72E-08	5.23E-05	6.77E-06	2.69E-11	8.13E-11	6.42E-11	0	0	0	0	2.077E-10	1.0458E-08	8.15878E-09	2.75307E-11	0	1.37414E-11	0
277	570790.6	4178239	0.55, 41782	0.45531	0.56517	0.42739	195.76674	71.16962	229.68596	30.0466	17.67317	35.54387	9.17E-08	4.93E-05	7.63E-06	2.83E-11	8.54E-11	6.75E-11	0	0	0	0	2.184E-10	9.8549E-09	9.18818E-09	2.89455E-11	0	1.44476E-11	0
278	570830.6	4178239	0.55, 41782	0.51729	0.70869	0.46924	186.14136	86.93814	313.42291	30.32646	20.0795	44.72862	1.01E-07	6.72E-05	9.6E-06	3.11E-11	9.38E-11	7.41E-11	0	0	0	0	2.398E-10	1.3447E-08	1.15619E-08	3.17813E-11	0	1.58631E-11	0
279	570870.6	4178239	0.55, 41782	0.63421	0.91745	0.53024	225.98347	96.3139	311.28977	37.66391	24.81387	41.34654	1.14E-07	6.68E-05	8.87E-06	3.51E-11	1.06E-10	8.37E-11	0	0	0	0	2.709E-10	1.3356E-08	1.06884E-08	3.59149E-11	0	1.79263E-11	0
280	570910.6	4178239	0.55, 41782	0.85302	1.23442	0.65693	293.13359	117.47886	326.7744	47.06613	30.6738	48.00957	1.41E-07	7.01E-05	1.03E-05	4.35E-11	1.31E-10	1.04E-10	0	0	0	0	3.357E-10	1.4021E-08	1.24111E-08	4.44977E-11	0	2.22102E-11	0
281	570950.6	4178239	0.55, 41782	1.35023	1.79208	0.88884	455.80102	142.22416	478.03953	68.40553	39.86266	68.50221	1.91E-07	0.000103	1.47E-05	5.89E-11	1.78E-10	1.4E-10	0	0	0	0	4.542E-10	2.0511E-08	1.77087E-08	6.02088E-11	0	3.00521E-11	0
282	570990.6	4178239	0.55, 41782	3.0182	3.06414	1.32054	885.93977	193.04223	771.54657	147.1874	58.20401	96.44332	2.83E-07	0.000166	2.07E-05	8.75E-11	2.64E-10	2.09E-10	0	0	0	0	6.749E-10	3.3104E-08	2.49355E-08	8.94601E-11	0	4.46524E-11	0
283	571030.6	4178239	0.55, 41782	7.70332	4.46365	2.30139	679.65913	243.63294	1123.21669	144.28562	71.78775	156.8655	4.94E-07	0.000241	3.37E-05	1.52E-10	4.6E-10	3.64E-10	0	0	0	0	1.176E-09	4.8191E-08	4.0551E-08	1.55898E-10	0	7.78136E-11	0
284	571110.6	4178239	0.55, 41782	48.37684	13.76668	3.52906	1082.14109	288.2044	2417.61379	441.33003	115.9324	328.07057	7.58E-07	0.000519	7.04E-05	2.34E-10	7.06E-10	5.58E-10	0	0	0	0	1.805E-09	1.0372E-07	8.48187E-08	2.39246E-10	0	1.19415E-10	0
285	571150.6	4178239	0.55, 41782	14.38318	6.22649	4.84511	550.93904	192.81003	1871.63269	147.46183	59.89562	339.77194	1.04E-06	0.000401	7.29E-05	3.21E-10	9.69E-10	7.65E-10	0	0	0	0	2.476E-09	8.0299E-08	8.7822E-08	3.28155E-10	0	1.63793E-10	0
286	571190.6	4178239	0.55, 41782	8.08563	4.10425	7.76231	423.01159	138.20819	1326.9025	88.76631	43.45879	203.98194	1.67E-06	0.000285	4.38E-05	5.14E-10	1.55E-09	1.23E-09	0	0	0	0	3.965E-09	5.6928E-08	5.27239E-08	5.25608E-10	0	2.62348E-10	0
287	571230.6	4178239	0.55, 41782	5.48613	3.01374	6.36519	364.79857	99.98669	820.37732	64.1708	32.88659	114.5851	1.37E-06	0.000176	2.46E-05	4.21E-10	1.27E-09	1.01E-09	0	0	0	0	3.251E-09	3.5197E-08	2.96182E-08	4.30997E-10	0	2.15124E-10	0
288	571270.6	4178239	0.55, 41782	3.91656	2.30583	4.21608	308.69657	91.16262	501.73471	42.97299	25.31404	83.35946	9.05E-07	0.000108	1.79E-05	2.79E-10	8.43E-10	6.66E-10	0	0	0	0	2.154E-09	2.1526E-08	2.15467E-08	2.85483E-10	0	1.42494E-10	0
289	571310.6	4178239	0.55, 41782	2.81911	1.80691	2.86031	238.76095	82.99282	368.88984	36.57222	19.65898	61.48164	6.14E-07	7.91E-05	1.32E-05	1.89E-10	5.72E-10	4.52E-10	0	0	0	0	1.461E-09	1.5827E-08	1.58921E-08	1.93684E-10	0	9.66741E-11	0
290	571350.6	4178239	0.55, 41782	2.07392	1.43877	2.07081	186.98174	75.01218	257.12826	31.16362	15.62493	42.85471	4.44E-07	5.52E-05	9.19E-06	1.37E-10	4.14E-10	3.27E-10	0	0	0	0	1.058E-09	1.1032E-08	1.10777E-08	1.40226E-10	0	6.99913E-11	0
291	571390.6	4178239	0.55, 41782	1.57003	1.1589	1.56847	153.36435	67.14235	200.39228	25.56072	13.28221	31.13336	3.37E-07	4.3E-05	6.68E-06	1.04E-10	3.14E-10	2.48E-10	0	0	0	0	8.012E-10	8.598E-09	8.048E-09	1.06211E-10	0	5.30133E-11	0
292	571430.6	4178239	0.55, 41782	1.23548	0.94866	1.2378	124.99719	59.46648	164.5542	20.83286	11.6734	24.18073	2.66E-07	3.53E-05	5.19E-06	8.2E-11	2.47E-10	1.95E-10	0	0	0	0	6.323E-10	7.0604E-09	6.25081E-09	8.38198E-11	0	4.18371E-11	0
293	571470.6	4178239	0.55, 41782	0.99131	0.7845	0.9961	109.3041	54.21436	142.14876	17.2339	10.26711	19.9293	2.14E-07	3.05E-05	4.28E-06	6.59E-11	1.99E-10	1.57E-10	0	0	0	0	5.089E-10	6.0991E-09	5.1518E-09	6.7453E-11	0	3.36679E-11	0
294	571510.6	4178239	0.55, 41782	0.81688	0.65976	0.82266	100.30585	50.40167	129.05875	14.55844	9.03737	16.96469	1.77E-07	2.77E-05	3.64E-06	5.45E-11	1.64E-10	1.3E-10	0	0	0	0	4.203E-10	5.5375E-09	4.38543E-09	5.57083E-11	0	2.78058E-11	0
295	571550.6	4178239	0.55, 41782	0.68618	0.56281	0.69258	92.19218	46.80105	116.817	12.52836	7.96128	14.60636	1.49E-07	2.51E-05	3.13E-06	4.59E-11	1.38E-10	1.09E-10	0	0	0	0	3.538E-10	5.0122E-09	3.7758E-09	4.68998E-11	0	2.34092E-11	0
296	571590.6	4178239	0.55, 41782	0.57854	0.48285	0.58537	84.94405	43.3686	105.85184	10.89629	7.01254	13.23148	1.26E-07	2.27E-05	2.84E-06	3.88E-11	1.17E-10	9.24E-11	0	0	0	0	2.99E-10	4.5418E-09	3.42035E-09	3.96399E-11	0	1.97855E-11	0
297	570310.6	4178279	0.55, 41782	0.11004	0.07807	0.10589	74.04292	22.79319	77.67346	10.17864	3.64675	10.70288	2.27E-08	1.67E-05	2.3E-06	7.01E-12	2.12E-11	1.67E-11	0	0	0	0	5.409E-11	3.3326E-09	2.7668E-09	7.17048E-12	0	3.57902E-12	0
298	570350.6	4178279	0.55, 41782	0.12249	0.08802	0.11726	80.9847	23.74961	88.18196	11.08549	3.81596	12.05595	2.52E-08	1.89E-05	2.59E-06	7.76E-12	2.34E-11	1.85E-11	0	0	0	0	5.99E-11	3.7835E-09	3.11656E-09	7.94045E-12	0	3.96333E-12	0
299	570390.6	4178279	0.55, 41782	0.13757	0.10016	0.13084	86.03589	24.80698	96.47388	11.74551	4.00404	13.13274	2.81E-08	2.07E-05	2.82E-06	8.66E-12	2.62E-11	2.07E-11	0	0	0	0	6.684E-11	4.1392E-09	3.39489E-09	8.86007E-12	0	4.42234E-12	0
300	570430.6	4178279	0.55, 41782	0.15607	0.11514	0.14747	96.31741	27.84204	100.58043	12.03968	4.46456	13.6645	3.16E-08	2.16E-05	2.93E-06	9.76E-12	2.95E-11	2.33E-11	0	0	0	0	7.533E-11	4.3155E-09	3.53234E-09	9.98624E-12	0	4.98445E-12	0
301	570470.6	4178279	0.55, 41782	0.17907	0.13378	0.16835	120.52086	33.01708	119.41006	15.06511	5.41696	14.92626	3.61E-08	2.56E-05	3.2E-06	1.11E-11	3.37E-11	2.66E-11	0	0	0	0	8.6E-11	5.1234E-09	3.85865E-09	1.14002E-11	0	5.69021E-12	0
302	570510.6	4178279	0.55, 41782	0.20795	0.15724	0.19497	141.57577	37.85068	153.41811	17.69697	6.30845	19.17726	4.18E-08	3.29E-05	4.11E-06	1.29E-11	3.9E-11	3.08E-11	0	0	0	0	9.96E-11	6.5824E-09	4.95748E-09	1.32029E-11	0	6.58998E-12	0
303	570550.6	4178279	0.55, 41782	0.24435	0.18714	0.22876	153.17347	42.50173	177.88461	19.14668	7.08362	22.23558	4.91E-08	3.82E-05	4.77E-06	1.51E-11	4.57E-11	3.61E-11	0	0	0	0	1.169E-10	7.6321E-09	5.74798E-09	1.54911E-11	0	7.73211E-12	0
304	570590.6	4178279	0.55, 41782	0.28993	0.22577	0.27077	157.86485	46.41285	177.78268	19.73311	7.73548	22.22284	5.81E-08	3.81E-05	4.77E-06	1.79E-11	5.41E-11	4.28E-11	0	0	0	0	1.383E-10	7.6278E-09	5.74473E-09	1.8336E-11	0	9.15209E-12	0
305	570630.6	4178279	0.55, 41782	0.34541	0.27631	0.32199	169.89337	50.77009	212.69617	21.23667	9.57894	26.58702	6.91E-08	4.56E-05	5.7E-06	2.13E-11	6.44E-11	5.08E-11	0	0	0	0	1.645E-10	9.1257E-09	6.87273E-09	2.18047E-11	0	1.08834E-11	0
306	570670.6	4178279	0.55, 41782	0.40869	0.34273	0.38328	189.16159	55.36754	226.13934	23.6452	11.64813	28.26742	8.22E-08	4.85E-05	6.06E-06	2.54E-11	7.66E-11	6.05E-11	0	0	0	0	1.958E-10	9.7025E-09	7.30718E-09	2.59553E-11	0	1.29551E-11	0
307	570710.6	4178279	0.55, 41782	0.47241	0.42944	0.45188	202.37611	59.97812	249.97635	25.29701	13.4468	31.24704	9.7E-08	5.36E-05	6.7E-06	2.99E-11	9.03E-11	7.14E-11	0	0	0	0	2.309E-10	1.0725E-08	8.07736E-09	3.06013E-11	0	1.52741E-11	0
308	570750.6	4178279	0.55, 41782	0.52143	0.53099	0.51003	207.36077	66.44988	280.46815	28.38204	16.35494	35.05852	1.09E-07	6.02E-05	7.52E-06	3.38E-11	1.02E-10	8.05E-11	0	0	0	0	2.606E-10	1.2033E-08	9.06263E-09	3.45399E-11	0	1.724E-11	0
309	570790.6	4178279	0.55, 41782	0.56782	0.69623	0.54766	217.33897	75.80804	318.83899	33.24185	20.36018	42.96761	1.18E-07	6.84E-05	9.22E-06	3.63E-11	1.09E-10	8.65E-11	0	0	0	0	2.798E-10	1.368E-08	1.1107E-08	3.70904E-11	0	1.8513E-11	0
310	570830.6	4178279	0.55, 41782	0.62461	0.91706	0.58168	236.67869	94.57659	403.572	34.09074	24.90976	60.93237	1.25E-07	8.66E-05	1.31E-05	3.85E-11	1.16E-10	9.19E-11	0	0	0	0	2.972E-10	1.7315E-08	1.57499E-08	3.93974E-11	0	1.96645E-11	0
311	570870.6	4178279	0.55, 41782	0.74364	1.27032	0.64347	232.57719	121.10786	430.4482	38.76287	29.17824	53.80602	1.38E-07	9.23E-05	1.15E-05	4.26E-11	1.29E-10	1.02E-10	0	0	0	0	3.288E-10	1.8468E-08	1.39085E-08	4.35869E-11	0	2.17556E-11	0
312	570910.6	4178279	0.55, 41782	0.98087	1.94043	0.78377	289.58181	139.00222	423.1545	48.26363	45.30681	59.61258	1.68E-07	9.08E-05	1.28E-05	5.19E-11	1.57E-10	1.24E-10	0	0	0	0	4.006E-10	1.8156E-08	1.54099E-08	5.30971E-11	0	2.65025E-11	0
313	570950.6	4178279	0.55, 41782	1.54705	3.33468	1.05206	380.89662	209.14004	464.4183	63.48277	60.99964	77.40305	2.26E-07	9.96E-05	1.66E-05	6.97E-11	2.1E-10	1.66E-10	0	0	0	0	5.378E-10	1.9927E-08	2.00088E-08	7.12852E-11	0	3.55807E-11	0
314	571150.6	4178279	0.55, 41782	125.5821	15.27099	61.53709	2183.625	235.47088	4321.7852	1020.3296	115.3363	966.08792	1.32E-05	0.000927	0.000207	4.07E-09	1.23E-08	9.72E-09	0	0	0	0	3.143E-08	1.8542E-07	2.49751E-07	4.16668E-09	0	2.07972E-09	0
315	571190.6	4178279	0.55, 41782	19.14498	7.50998	20.68123	704.1647	157.76938	1300.13062	186.41477	61.8786	262.75525	4.44E-06	0.000279	5.64E-05	1.37E-09	4.13E-09	3.27E-09	0	0	0	0	1.056E-08	5.578E-08	6.79204E-08	1.40032E-09	0	6.98946E-10	0
316	571230.6	4178279	0.55, 41782	9.41744	4.44398	9.68706	418.2482	120.63814	710.71948	87.01567	39.51148	138.35634	2.08E-06	0.000152	2.97E-05	6.41E-10	1.94E-09	1.53E-09	0	0	0	0	4.948E-09	3.0493E-08	3.57634E-08	6.55926E-10	0	3.27394E-10	0
317	571270.6	4178279	0.55, 41782	5.33507	3.02277	5.65407	265.61255	99.06709	486.13138	58.88721	29.56115	89.94232	1.21E-06	0.000104	1.93E-05	3.74E-10	1.13E-09	8.93E-10	0	0	0	0	2.888E-09	2.0857E-08	2.32491E-08	3.82853E-10	0	1.91094E-10	0
318	571310.6	4178279	0.55, 41782	3.44949	2.20529	3.73581	197.38222	83.78037	349.19747	42.40574	23.44903	62.97539	8.01E-07	7.49E-05	1.35E-05	2.47E-10	7.47E-10	5.9E-10	0	0	0	0	1.908E-09	1.4982E-08	1.62785E-08	2.52965E-10	0	1.26263E-10	0
319	571350.6	4178279	0.55, 41782	2.42474	1.67304	2.63741	164.77993	74.08708	262.11907	31.82391	19.20475	45.98547	5.66E-07	5.62E-05	9.87E-06	1.75E-10	5.27E-10	4.16E-10	0	0	0	0	1.347E-09	1.1246E-08	1.18869E-08	1.78591E-10	0	8.91403E-11	0
320	571390.6	4178279	0.55, 41782	1.80332	1.30805	1.94946	139.62437	66.18564	204.22507	24.75802	16.07748	34.84377	4.18E-07	4.38E-05	7.48E-06	1.29E-10	3.9E-10	3.08E-10	0	0	0	0	9.958E-10	8.7624E-09	9.00687E-09	1.32008E-10	0	6.58893E-11	0
321	571430.6	4178279	0.55, 41782	1.38872	1.04688	1.49158	120.07885	59.47148	164.54693	19.78612	13.66223	27.17412	3.2E-07	3.53E-05	5.83E-06	9.88E-11	2.98E-10	2.36E-10	0	0	0	0	7.619E-10	7.0601E-09	7.02436E-09	1.01003E-10	0	5.04139E-11	0
322	571470.6	4178279	0.55, 41782	1.11171	0.86066	1.18684	104.95004	53.66694	136.91558	16.34545	11.81303	21.87493	2.55E-07	2.94E-05	4.69E-06	7.86E-11	2.37E-10	1.87E-10	0	0	0	0	6.063E-10	5.8746E-09	5.65457E-09	8.0368E-11	0	4.01142E-11	0
323	571510.6	4178279	0.55, 41782	0.90331	0.71725	0.95952	92.95227	48.50847	116.77816	13.70064	10.27697	17.93941	2.06E-07	2.51E-05	3.85E-06	6.35E-11	1.92E-10	1.52E-10	0	0	0	0	4.902E-10	5.0106E-09	4.63728E-09	6.49752E-11	0	3.24312E-11	0
324	571550.6	4178279	0.55, 41782	0.74685	0.60641	0.79002	83.35854	43.88956	102.16829	11.6678	9.00306	14.97338	1.7E-07	2.19E-05	3.21E-06	5.23E-11	1.58E-10	1.25E-10	0	0	0	0	4.036E-10	4.3837E-09	3.87059E-09	5.34975E-11	0	2.67023E-11	0
325	571590.6	4178279	0.55, 41782	0.63093	0.52161	0.66513	75.57295	41.1264	91.05382	10.11638	7.96472	12.7323	1.43E-07	1.95E-05	2.73E-06	4.4E-11	1.33E-10	1.05E-10	0	0	0	0	3.398E-10	3.9069E-09	3.29129E-09	4.50406E-11	0	2.24812E-11	0
326	570310.6	4178319	0.55, 41783	0.1112	0.07908	0.10686	65.67409	25.12162	71.57917	10.72274	3.92383	11.92986	2.29E-08	1.54E-05	2.56E-06	7.07E-12	2.14E-11	1.69E-11	0	0	0	0	5.459E-11	3.0712E-09	3.08395E-09	7.23617E-12	0	3.61181E-12	0
327	570350.6	4178319	0.55, 41783	0.12381	0.08915	0.11863	72.99363	26.3644	78.028	10.96785	4.13077	12.26515	2.55E-08	1.67E-05	2.63E-06	7.85E-12	2.37E-11	1.87E-11	0	0	0	0	6.06E-11	3.3479E-09	3.17062E-09	8.03322E-12	0	4.00964E-12	0
328	570390.6	4178319	0.55, 41783	0.13907	0.1015	0.13256	85.61577	27.73961	87.79758	11.84211	4.3586	12.34233	2.84E-08	1.88E-05	2.65E-06	8.78E-12	2.65E-11	2.09E-11	0	0	0	0	6.772E-11	3.767E-09	3.19062E-09	8.97654E-12	0	4.48048E-12	0
329	570430.6	4178319	0.55, 41783	0.15783	0.11689	0.14946	97.99246	29.27563	105.83642	13.47747	4.61214	14.5399	3.21E-08	2.27E-05	3.12E-06	9.9E-12	2.99E-11	2.36E-11	0	0	0	0	7.635E-11	4.541E-09	3.75869E-09	1.0121E-11	0	5.05171E-12	0
330	570470.6	4178319	0.55, 41783	0.18134	0.13633	0.17027	108.90086	31.01454	122.78	14.92794	4.89871	16.74752	3.65E-08	2.63E-05	3.59E-06	1.13E-11	3.4E-11	2.69E-11	0	0	0	0	8.698E-11	5.2679E-09	4.32933E-09	1.15302E-11	0	5.75512E-12	0
331	570510.6	4178319	0.55, 41783	0.21129	0.16124	0.19656	118.40452	33.29424	135.32696	15.9306	5.40834	18.39398	4.22E-08	2.9E-05	3.95E-06	1.3E-11	3.93E-11	3.1E-11	0	0	0	0	1.004E-10	5.8062E-09	4.75492E-09	1.33106E-11	0	6.64375E-12	0
332	570550.6	4178319	0.55, 41783	0.2503	0.19368	0.23096	153.9338	39.94632	153.89508	19.24172	6.62991	19.23689	4.96E-08	3.3E-05	4.13E-06	1.53E-11	4.62E-11	3.65E-11	0	0	0	0	1.18E-10	6.6029E-09	4.973E-09	1.56402E-11	0	7.80651E-12	0
333	570590.6	4178319	0.55, 41783	0.30196	0.23671	0.27701	186.54438	46.61587	209.37606	23.31805	7.76931	26.17201	5.94E-08	4.49E-05	5.62E-06	1.83E-11	5.54E-11	4.37E-11	0	0	0	0	1.415E-10	8.9833E-09	6.76562E-09	1.87587E-11	0	9.36305E-12	0
334	570630.6	4178319	0.55, 41783	0.37105	0.29503	0.3391	205.0145	52.79857	247.59232	25.62681	8.79976	30.94904	7.28E-08	5.31E-05	6.64E-06	2.25E-11	6.78E-11	5.35E-11	0	0	0	0	1.732E-10	1.0623E-08	8.00037E-09	2.29634E-11	0	1.14618E-11	0
335	570670.6	4178319	0.55, 41783	0.462	0.37572	0.42024	218.45656	59.57781	273.51496	27.30707	11.98561	34.18937	9.02E-08	5.87E-05	7.34E-06	2.78E-11	8.4E-11	6.64E-11	0	0	0	0	2.147E-10	1.1735E-08	8.83793E-09	2.84583E-11	0	1.42044E-11	0
336	570710.6	4178319	0.55, 41783	0.57218	0.48827	0.5224	242.44958	66.62286	291.17197	30.3062	15.15553	36.3965	1.12E-07	6.25E-05	7.81E-06	3.46E-11	1.04E-10	8.25E-11	0	0	0	0	2.669E-10	1.2493E-08	9.40856E-09	3.53768E-11	0	1.76577E-11	0
337	570750.6	4178319	0.55, 41783	0.67767	0.63416	0.63666	262.41203	72.71034	341.04886	32.8015	17.84948	42.63111	1.37E-07	7.32E-05	9.15E-06	4.22E-11	1.27E-10	1.01E-10	0	0	0	0	3.253E-10	1.4633E-08	1.102E-08	4.31151E-11	0	2.15201E-11	0
338	570790.6	4178319	0.55, 41783	0.76041	0.85502	0.73352	285.66779	86.45349	381.79277	42.9347	23.67926	50.68659	1.57E-07	8.19E-05	1.09E-05	4.86E-11	1.47E-10	1.16E-10	0	0	0	0	3.748E-10	1.6381E-08	1.31026E-08	4.96765E-11	0	2.47951E-11	0
339	570830.6	4178319	0.55, 41783	0.82107	1.23378	0.77266	302.59427	109.05103	424.78874	45.07728	29.79255	65.49858	1.66E-07	9.11E-05	1.41E-05	5.12E-11	1.54E-10	1.22E-10	0	0	0	0	3.948E-10	1.8226E-08	1.69308E-08	5.23328E-11	0	2.6121E-11	0
340	570870.6	4178319	0.55, 41783	0.93174	1.8881	0.81484	263.71888	150.69846	583.61	37.23183	42.82711	79.94464	1.75E-07	0.000125	1.72E-05	5.4E-11	1.63E-10	1.29E-10	0	0	0	0	4.164E-10	2.504E-08	2.06637E-08	5.51996E-11	0	2.75519E-11	0
341	570910.6	4178319	0.55, 41783	1.19482	3.5981	0.94641	225.26352	195.84246	582.08496	37.31993	59.22953	72.76062	2.03E-07	0.000125	1.56E-05	6.27E-11	1.89E-10	1.5E-10	0	0	0	0	4.838E-10	2.4975E-08	1.88071E-08	6.41363E-11	0	3.20125E-11	0
342	571190.6	4178319	0.55, 41783	29.13102	9.74239	24.19825	1204.46355	192.40018	1781.17361	337.10397	86.14095	400.692	5.19E-06	0.000382	8.6E-05	1.6E-09	4.84E-09	3.82E-09	0	0	0	0	1.236E-08	7.6418E-08	1.0358E-07	1.63849E-09	0	8.17822E-10	0
343	571230.6	4178319	0.55, 41783	10.45163	5.25398	11.58574	479.33008	117.37647	725.29291	126.19986	44.06446	185.38424	2.49E-06	0.000156	3.98E-05	7.67E-10	2.32E-09	1.83E-09	0	0	0	0	5.918E-09	3.1118E-08	4.79202E-08	7.84486E-10	0	3.91562E-10	0
344	571270.6	4178319	0.55, 41783	5.72808	3.4301	6.64009	292.22118	96.9874	479.91721	63.79547	33.00222	105.59121	1.42E-06	0.000103	2.27E-05	4.4E-10	1.33E-09	1.05E-09	0	0	0	0	3.392E-09	2.0591E-08	2.72938E-08	4.49616E-10	0	2.24418E-10	0
345	571310.6	4178319	0.55, 41783	3.67711	2.43151	4.23514	175.48484	83.52768	339.71763	43.52526	25.92364	69.01312	9.09E-07	7.29E-05	1.48E-05	2.8E-10	8.47E-10	6.69E-10	0	0	0	0	2.163E-09	1.4575E-08	1.7839E-08	2.86775E-10	0	1.43139E-10	0
346	571350.6	4178319	0.55, 41783	2.57847	1.81872	2.91777	135.74456	73.58424	245.66728	31.86463	21.08438	47.561	6.26E-07	5.27E-05	1.02E-05	1.93E-10	5.83E-10	4.61E-10	0	0	0	0	1.49E-09	1.054E-08	1.22941E-08	1.97574E-10	0	9.86156E-11	0
347	571390.6	4178319	0.55, 41783	1.91038	1.41202	2.12389	114.67965	65.84745	189.40245	24.95277	17.54375	35.6451	4.56E-07	4.06E-05	7.65E-06	1.41E-10	4.25E-10	3.35E-10	0	0	0	0	1.085E-09	8.1265E-09	9.21399E-09	1.43819E-10	0	7.17846E-11	0
348	571430.6	4178319	0.55, 41783	1.47151	1.12853	1.61377	100.57811	59.61061	161.57422	20.18585	14.84739	27.57311	3.46E-07	3.47E-05	5.92E-06	1.07E-10	3.23E-10	2.55E-10	0	0	0	0	8.244E-10	6.9325E-09	7.1275E-09	1.09277E-10	0	5.45437E-11	0
349	571470.6	4178319	0.55, 41783	1.16585	0.92218	1.2649	90.09229	54.43044	139.38169	16.69193	12.71837	21.87498	2.71E-07	2.99E-05	4.69E-06	8.37E-11	2.53E-10	2E-10	0	0	0	0	6.462E-10	5.9804E-09	5.65461E-09	8.56539E-11	0	4.27526E-11	0
350	571510.6	4178319	0.55, 41783	0.94595	0.76805	1.01773	81.52103	50.05282	121.69	14.06823	11.00608	17.76049	2.18E-07	2.61E-05	3.81E-06	6.74E-11	2.03E-10	1.61E-10	0	0	0	0	5.199E-10	5.2213E-09	4.59107E-09	6.8917E-11	0	3.43987E-11	0
351	571550.6	4178319	0.55, 41783	0.78212	0.64956	0.83556	74.38547	46.28731	107.35752	12.02264	9.59923	14.66288	1.79E-07	2.3E-05	3.15E-06	5.53E-11	1.67E-10	1.32E-10	0	0	0	0	4.268E-10	4.6064E-09	3.79037E-09	5.65815E-11	0	2.82416E-11	0
352	571590.6	4178319	0.55, 41783	0.65442	0.55508	0.69496	68.29245	42.98116	95.34122	10.3334	8.40789	12.26582	1.49E-07	2.05E-05	2.63E-06	4.6E-11	1.39E-10	1.1E-10	0	0	0	0	3.55E-10	4.0908E-09	3.17074E-09	4.70607E-11	0	2.34895E-11	0
353	570310.6	4178359	0.55, 41783	0.11229	0.07993	0.10794	69.29068	26.58817	75.81746	11.54845	4.0095	12.46153	2.32E-08	1.63E-05	2.67E-06	7.15E-12	2.16E-11	1.7E-11	0	0	0	0	5.514E-11	3.253E-09	3.22141E-09	7.30931E-12	0	3.64831E-12	0
354	570350.6	4178359	0.55, 41783	0.12531	0.09043	0.1201	75.30937	28.06345	82.61098	12.55156	4.25756	13.7685	2.58E-08	1.77E-05	2.95E-06	7.95E-12	2.4E-11	1.9E-11	0	0	0	0	6.135E-11	3.5445E-09	3.55926E-09	8.13276E-12	0	4.05932E-12	0
355	570390.6	4178359	0.55, 41783	0.14084	0.10296	0.13441	81.29058	29.71471	90.82388	13.54843	4.53386	15.13731	2.88E-08	1.95E-05	3.25E-06	8.9E-12	2.69E-11	2.12E-11	0	0	0	0	6.866E-11	3.8969E-09	3.91309E-09	9.10182E-12	0	4.54301E-12	0
356	570430.6	4178359	0.55, 41783	0.15989	0.11858	0.15186	87.11605	31.54887	98.44842	14.51934	4.83992	16.40807	3.26E-08	2.11E-05	3.52E-06	1.01E-11	3.04E-11	2.4E-11	0	0	0	0	7.758E-11	4.224E-09	4.24158E-09	1.02835E-11	0	5.13283E-12	0
357	570470.6	4178359	0.55, 41783	0.18374	0.13844	0.17326	97.3598	33.59814	106.34308	15.36354	5.1813	17.51553	3.72E-08	2.28E-05	3.76E-06	1.15E-11	3.46E-11	2.74E-11	0	0	0	0	8.851E-11	4.5627E-09	4.52785E-09	1.17327E-11	0	5.85617E-12	0
358	570510.6	4178359	0.55, 41783	0.21432	0.16421	0.20002	118.04415	35.93263	125.3205	16.48105	5.5698	18.1537	4.29E-08	2.69E-05	3.9E-06	1.32E-11	4E-11	3.16E-11	0	0	0	0	1.022E-10	5.377E-09	4.69286E-09	1.35449E-11	0	6.7607E-12	0
359	570550.6	4178359	0.55, 41783	0.25472	0.19842	0.23435	139.50155	38.63371	157.96544	19.4148	6.01971	21.81117	5.03E-08	3.39E-05	4.68E-06	1.55E-11	4.68E-11	3.7E-11	0	0	0	0	1.197E-10	6.7775E-09	5.63831E-09	1.58698E-11	0	7.92111E-12	0
360	570590.6	4178359	0.55, 41783	0.30979	0.24497	0.28017	159.83108	41.83842	190.36526	22.23989	6.84975	26.13545	6.01E-08	4.08E-05	5.61E-06	1.85E-11	5.6E-11	4.42E-11	0	0	0	0	1.431E-10	8.1676E-09	6.75609E-09	1.89728E-11	0	9.46991E-12	0
361	570630.6	4178359	0.55, 41783	0.38734	0.31015	0.34391	206.43147	51.05257	211.21178	25.80393	8.50876	28.98998	7.38E-08	4.53E-05	6.22E-06	2.28E-11	6.88E-11	5.43E-11	0	0	0	0	1.757E-10	9.0621E-09	7.49408E-09	2.32893E-11	0	1.16244E-11	0
362	570670.6	4178359	0.55, 41783	0.50063	0.40488	0.43681	262.98595	60.70684	312.78941	32.87324	10.74505	39.09868	9.37E-08	6.71E-05	8.39E-06	2.89E-11	8.73E-11	6.9E-11	0	0	0	0	2.232E-10	1.342E-08	1.01071E-08	2.95806E-11	0	1.47646E-11	0
363	570710.6	4178359	0.55, 41783	0.66972	0.54814	0.57453	304.17814	72.14807	380.66102	38.02227	15.71205	47.58263	1.23E-07	8.17E-05	1.02E-05	3.8E-11	1.15E-10	9.07E-11	0	0	0	0	2.935E-10	1.6332E-08	1.23001E-08	3.89073E-11	0	1.94199E-11	0
364	570750.6	4178359	0.55, 41783	0.90523	0.76876	0.77041	339.35657	85.82023	445.46467	44.72327	21.31802	55.68308	1.65E-07	9.56E-05	1.19E-05	5.1E-11	1.54E-10	1.22E-10	0	0	0	0	3.936E-10	1.9112E-08	1.43941E-08	5.21729E-11	0	2.60412E-11	0
365	570790.6	4178359	0.55, 41783	1.13154	1.06104	0.98839	377.53193	96.31599	507.3356	54.94081	27.90141	63.41695	2.12E-07	0.000109	1.36E-05	6.54E-11	1.98E-10	1.56E-10	0	0	0	0	5.05E-10	2.1767E-08	1.63935E-08	6.69359E-11	0	3.34098E-11	0
366	570830.6	4178359	0.55, 41783	1.33226	1.74963	1.18947	411.58415	139.14147	649.42864	69.46909	37.35577	97.59965	2.55E-07	0.000139	2.09E-05	7.88E-11	2.38E-10	1.88E-10	0	0	0	0	6.077E-10	2.7863E-08	2.52288E-08	8.05613E-11	0	4.02107E-11	0
367	570870.6	4178359	0.55, 41783	1.45984	3.38436	1.19217	346.78431	184.49712	847.26971	52.43952	61.49528	124.03925	2.56E-07	0.000182	2.66E-05	7.9E-11	2.38E-10	1.88E-10	0	0	0	0	6.093E-10	3.6351E-08	3.20608E-08	8.07716E-11	0	4.03157E-11	0
368	571150.6	4178359	0.55, 41783	17.36196	17.82412	10.70274	1537.79423	258.8776	2153.28101	350.34789	128.93656	372.67701	2.3E-06	0.000462	8E-05	7.09E-10	2.14E-09	1.69E-09	0	0	0	0	5.469E-09	9.2384E-08	9.63405E-08	7.24928E-10	0	3.61835E-10	0
369	571190.6	4178359	0.55, 41783	10.35157	8.16971	8.42586	590.93034	162.31709	1380.32388	161.82999	76.08872	218.22557	1.81E-06	0.000296	4.68E-05	5.58E-10	1.68E-09	1.33E-09	0	0	0	0	4.305E-09	5.922E-08	5.64103E-08	5.70604E-10	0	2.84807E-10	0
370	571230.6	4178359	0.55, 41783	6.41954	4.85697	6.11014	429.96716	118.18476	649.38165	103.83364	47.29307	136.54892	1.31E-06	0.000139	2.93E-05	4.05E-10	1.22E-09	9.65E-10	0	0	0	0	3.121E-09	2.7861E-08	3.52974E-08	4.13762E-10	0	2.06522E-10	0
371	571270.6	4178359	0.55, 41783	4.24607	3.28764	4.46672	330.34534	97.41521	669.03521	71.25122	30.79427	101.30501	9.58E-07	0.000144	2.17E-05	2.96E-10	8.93E-10	7.05E-10	0	0	0	0	2.282E-09	2.8704E-08	2.61866E-08	3.02469E-10	0	1.50972E-10	0
372	571310.6	4178359	0.55, 41783	3.01802	2.39332	3.29044	280.32399	84.30249	476.5001	47.38187	23.6076	69.83839	7.06E-07	0.000102	1.5E-05	2.18E-10	6.58E-10	5.2E-10	0	0	0	0	1.681E-09	2.0444E-08	1.80526E-08	2.22815E-10	0	1.11214E-10	0
373	571350.6	4178359	0.55, 41783	2.25439	1.82521	2.47896	223.1696	75.03337	276.07803	32.74083	19.24184	47.29925	5.32E-07	5.92E-05	1.01E-05	1.64E-10	4.96E-10	3.91E-10	0	0	0	0	1.266E-09	1.1845E-08	1.22265E-08	1.67865E-10	0	8.3787E-11	0
374	571390.6	4178359	0.55, 41783	1.7395	1.43625	1.90839	164.0034	68.00709	177.73654	25.39154	16.17569	38.72375	4.09E-07	3.81E-05	8.31E-06	1.26E-10	3.81E-10	3.01E-10	0	0	0	0	9.749E-10	7.6261E-09	1.00097E-08	1.29229E-10	0	6.45024E-11	0
375	571430.6	4178359	0.55, 41783	1.37666	1.15767	1.50113	113.66708	62.41614	162.05892	21.33563	13.79366	30.03325	3.22E-07	3.48E-05	6.44E-06	9.94E-11	3E-10	2.37E-10	0	0	0	0	7.668E-10	6.9534E-09	7.76339E-09	1.01652E-10	0	5.07375E-11	0
376	571470.6	4178359	0.55, 41783	1.11313	0.95193	1.20554	91.64258	57.80687	139.39839	17.74486	11.89568	22.85385	2.59E-07	2.99E-05	4.9E-06	7.98E-11	2.41E-10	1.9E-10	0	0	0	0	6.158E-10	5.9811E-09	5.90767E-09	8.16355E-11	0	4.07469E-11	0
377	571510.6	4178359	0.55, 41783	0.9166	0.79605	0.98663	82.11168	53.90312	116.32041	14.64829	10.35284	20.08654	2.12E-07	2.5E-05	4.31E-06	6.53E-11	1.97E-10	1.56E-10	0	0	0	0	5.04E-10	4.991E-09	5.19226E-09	6.68119E-11	0	3.3348E-11	0
378	571550.6	4178359	0.55, 41783	0.76622	0.67498	0.82026	72.9064	50.52239	102.58687	12.13868	9.07968	17.28494	1.76E-07	2.2E-05	3.71E-06	5.43E-11	1.64E-10	1.3E-10	0	0	0	0	4.19E-10	4.4018E-09	4.46803E-09	5.5546E-11	0	2.77248E-11	0
379	571590.6	4178359	0.55, 41783	0.64386	0.57575	0.68602	65.94968	47.48497	92.44167	10.99161	8.00686	15.40694	1.47E-07	1.98E-05	3.31E-06	4.54E-11	1.37E-10	1.08E-10	0	0	0	0	3.505E-10	3.9665E-09	3.98259E-09	4.64558E-11	0	2.31876E-11	0
380	570310.6	4178399	0.55, 41783	0.11287	0.08031	0.1093	71.34246	27.87564	79.43468	11.89041	3.82503	13.23911	2.35E-08	1.7E-05	2.84E-06	7.24E-12	2.18E-11	1.73E-11	0	0	0	0	5.583E-11	3.4082E-09	3.42239E-09	7.40139E-12	0	3.69427E-12	0
381	570350.6	4178399	0.55, 41783	0.12665	0.09175	0.12214	75.96419	29.57043	83.22909	12.46202	4.12173	13.80548	2.62E-08	1.79E-05	2.96E-06	8.09E-12	2.44E-11	1.93E-11	0	0	0	0	6.239E-11	3.5711E-09	3.56881E-09	8.2709E-12	0	4.12827E-12	0
382	570390.6	4178399	0.55, 41783	0.1425	0.10434	0.13672	83.29233	31.439	92.96873	13.04897	4.44958	14.404	2.93E-08	1.99E-05	3.09E-06	9.05E-12	2.73E-11	2.16E-11	0	0	0	0	6.984E-11	3.9889E-09	3.72353E-09	9.25824E-12	0	4.62108E-12	0
383	570430.6	4178399	0.55, 41783	0.16211	0.12032	0.15453	91.32735	33.521	103.76057	14.59534	4.81492	15.65812	3.32E-08	2.23E-05	3.36E-06	1.02E-11	3.09E-11	2.44E-11	0	0	0	0	7.894E-11	4.4519E-09	4.04776E-09	1.04643E-11	0	5.22307E-12	0
384	570470.6	4178399	0.55, 41783	0.18668	0.14051	0.17655	100.43451	35.89015	115.76296	16.57018	5.22899	18.35818	3.79E-08	2.48E-05	3.94E-06	1.17E-11	3.53E-11	2.79E-11	0	0	0	0	9.019E-11	4.9669E-09	4.74571E-09	1.19555E-11	0	5.96737E-12	0
385	570510.6	4178399	0.55, 41783	0.21834	0.16684	0.20421	112.76596	38.62084	128.93318	18.79433	5.70408	21.48886	4.38E-08	2.77E-05	4.61E-06	1.35E-11	4.08E-11	3.22E-11	0	0	0	0	1.043E-10	5.532E-09	5.55497E-09	1.38286E-11	0	6.90231E-12	0
386	570550.6	4178399	0.55, 41783	0.26039	0.20212	0.2399	127.75395	41.82578	149.79254	21.29232	6.25899	24.96542	5.15E-08	3.21E-05	5.36E-06	1.59E-11	4.8E-11	3.79E-11	0	0	0	0	1.226E-10	6.4269E-09	6.45364E-09	1.62456E-11	0	8.10869E-12	0
387	570590.6	4178399	0.55, 41783	0.3185	0.25095	0.28739	144.10526	45.67081	172.10131	24.01754	7.17597	28.68355	6.17E-08	3.69E-05	6.15E-06	1.9E-11	5.75E-11	4.54E-11	0	0	0	0	1.468E-10	7.3841E-09	7.41476E-09	1.94617E-11	0	9.71395E-12	0
388	570630.6	4178399	0.55, 41783	0.40291	0.32135	0.35272	177.65061	50.39519	203.06539	27.05917	8.74903	32.05961	7.57E-08	4.36E-05	6.88E-06	2.34E-11	7.05E-11	5.57E-11	0	0	0	0	1.802E-10	8.7126E-09	8.28749E-09	2.3886E-11	0	1.19223E-11	0
389	570670.6	4178399	0.55, 41783	0.53348	0.4284	0.44753	224.79663	56.41372	278.51402	32.60934	10.76331	39.25369	9.6E-08	5.97E-05	8.42E-06	2.96E-11	8.95E-11	7.07E-11	0	0	0	0	2.286E-10	1.195E-08	1.01471E-08	3.03069E-11	0	1.51271E-11	0
390	570710.6	4178399	0.55, 41783	0.75271	0.60288	0.59636	297.92602	70.92072	361.49768	41.13122	14.0152	50.83456	1.28E-07	7.75E-05	1.09E-05	3.95E-11	1.19E-10	9.42E-11	0	0	0	0	3.047E-10	1.551E-08	1.31407E-08	4.03863E-11	0	2.01581E-11	0
391	570750.6	4178399	0.55, 41783	1.15447	0.90762	0.85203	416.42427	90.04322	551.74774	52.05303	22.1169	68.96847	1.83E-07	0.000118	1.48E-05	5.64E-11	1.7E-10	1.35E-10	0	0	0	0	4.353E-10	2.3672E-08	1.78281E-08	5.77015E-11	0	2.88007E-11	0
392	570790.6	4178399	0.55, 41783	1.70092	1.35462	1.23288	632.44551	121.09647	736.15706	79.05569	31.00919	92.01963	2.65E-07	0.000158	1.97E-05	8.16E-11	2.46E-10	1.95E-10	0	0	0	0	6.299E-10	3.1584E-08	2.37874E-08	8.34943E-11	0	4.16747E-11	0
393	570830.6	4178399	0.55, 41783	3.46088	2.976	2.05541	854.46592	185.76652	929.26678	157.19416	64.23703	133.05669	4.41E-07	0.000199	2.86E-05	1.36E-10	4.11E-10	3.25E-10	0	0	0	0	1.05E-09	3.987E-08	3.43987E-08	1.39212E-10	0	6.9485E-11	0
394	571110.6	4178399	0.55, 41783	4.7766	17.70794	5.53677	386.44752	237.89657	1139.86397	91.74551	117.26543	182.49582	1.19E-06	0.000245	3.92E-05	3.67E-10	1.11E-09	8.75E-10	0	0	0	0	2.83E-09	4.8905E-08	4.71712E-08	3.75155E-10	0	1.87252E-10	0
395	571150.6	4178399	0.55, 41783	4.75682	9.04164	4.75414	493.27775	194.83019	977.82769	91.47407	80.27894	179.74579	1.02E-06	0.00021	3.86E-05	3.15E-10	9.51E-10	7.51E-10	0	0	0	0	2.429E-09	4.1953E-08	4.64605E-08	3.22025E-10	0	1.60733E-10	0
396	571190.6	4178399	0.55, 41783	4.13591	5.67532	3.9763	541.83424	159.29594	784.3481	82.25115	55.55038	130.43816	8.53E-07	0.000168	2.8E-05	2.63E-10	7.95E-10	6.28E-10	0	0	0	0	2.032E-09	3.3652E-08	3.37166E-08	2.69306E-10	0	1.34419E-10	0
397	571230.6	4178399	0.55, 41783	3.34043	3.91116	3.41587	419.25179	113.41297	723.05548	67.92735	42.50701	103.29364	7.33E-07	0.000155	2.22E-05	2.26E-10	6.83E-10	5.39E-10	0	0	0	0	1.745E-09	3.1022E-08	2.67003E-08	2.31333E-10	0	1.15466E-10	0
398	571270.6	4178399	0.55, 41783	2.69096	2.84934	2.72459	276.99568	96.24025	620.23738	46.4546	32.10306	94.16047	5.85E-07	0.000133	2.02E-05	1.8E-10	5.45E-10	4.3E-10	0	0	0	0	1.392E-09	2.661E-08	2.43384E-08	1.84513E-10	0	9.20963E-11	0
399	571310.6	4178399	0.55, 41783	2.15304	2.16763	2.23142	240.01182	84.08056	257.12386	39.08125	24.00367	52.53394	4.79E-07	5.52E-05	1.13E-05	1.48E-10	4.46E-10	3.52E-10	0	0	0	0	1.14E-09	1.1032E-08	1.35798E-08	1.51112E-10	0	7.54248E-11	0
400	571350.6	4178399	0.55, 41783	1.74135	1.70512	1.85867	224.12525	73.73672	326.22415	31.06226	18.34101	44.13622	3.99E-07	7E-05	9.47E-06	1.23E-10	3.72E-10	2.94E-10	0	0	0	0	9.495E-10	1.3997E-08	1.14089E-08	1.25868E-10	0	6.28245E-11	0
401	571390.6	4178399	0.55, 41783	1.43215	1.37481	1.54866	207.21833	64.01827	312.56807	26.21992	15.02288	39.07101	3.32E-07	6.71E-05	8.38E-06	1.03E-10	3.1E-10	2.45E-10	0	0	0	0	7.911E-10	1.3411E-08	1.00995E-08	1.04873E-10	0	5.23455E-11	0
402	571430.6	4178399	0.55, 41783	1.19016	1.12906	1.29293	179.9524	59.14274	244.73255	22.49405	12.88734	30.59157	2.77E-07	5.25E-05	6.56E-06	8.56E-11	2.58E-10	2.04E-10	0	0	0	0	6.605E-10	1.05E-08	7.90776E-09	8.75551E-11	0	4.37016E-11	0
403	571470.6	4178399	0.55, 41783	0.9966	0.93995	1.08271	146.8642	55.47011	170.50633	18.35802	11.23121	21.31329	2.32E-07	3.66E-05	4.57E-06	7.17E-11	2.16E-10	1.71E-10	0	0	0	0	5.531E-10	7.3157E-09	5.50957E-09	7.33193E-11	0	3.6596E-11	0
404	571510.6	4178399	0.55, 41783	0.8441	0.79417	0.91453	113.63796	52.27286	111.23462	14.20474	9.85599	18.36688	1.96E-07	2.39E-05	3.94E-06	6.05E-11	1.83E-10	1.44E-10	0	0	0	0	4.672E-10	4.7728E-09	4.74779E-09	6.19304E-11	0	3.09115E-11	0
405	571550.6	4178399	0.55, 41783	0.71988	0.67749	0.77601	84.04695	49.45688	81.90115	12.59546	8.65245	16.41022	1.67E-07	1.76E-05	3.52E-06	5.14E-11	1.55E-10	1.23E-10	0	0	0	0	3.964E-10	3.5143E-09	4.24199E-09	5.25502E-11	0	2.62295E-11	0
406	571590.6	4178399	0.55, 41783	0.61846	0.58359	0.66441	61.25343	46.95039	82.40366	11.31778	7.65227	14.12983	1.43E-07	1.77E-05	3.03E-06	4.4E-11	1.33E-10	1.05E-10	0	0	0	0	3.394E-10	3.5358E-09	3.65255E-09	4.49928E-11	0	2.24574E-11	0
407	570310.6	4178439	0.55, 41784	0.11265	0.08111	0.10949	78.47962	27.91467	88.7071	13.07994	3.48933	14.78452	2.35E-08	1.9E-05	3.17E-06	7.25E-12	2.19E-11	1.73E-11	0	0	0	0	5.593E-11	3.8061E-09	3.82188E-09	7.41427E-12	0	3.7007E-12	0
408	570350.6	4178439	0.55, 41784	0.12585	0.09139	0.12175	84.54471	29.62734	96.42477	14.09078	3.70342	16.0708	2.61E-08	2.07E-05	3.45E-06	8.06E-12	2.43E-11	1.92E-11	0	0	0	0	6.219E-11	4.1372E-09	4.15438E-09	8.24449E-12	0	4.11509E-12	0
409	570390.6	4178439	0.55, 41784	0.14252	0.10489	0.13706	91.50908	31.67143	105.54781	15.25151	4.06451	17.5913	2.94E-08	2.26E-05	3.77E-06	9.07E-12	2.74E-11	2.16E-11	0	0	0	0	7.002E-11	4.5286E-09	4.54742E-09	9.28127E-12	0	4.63258E-12	0
410	570430.6	4178439	0.55, 41784	0.16313	0.12204	0.15568	99.54775	33.93845	116.15512	16.59129	4.47421	19.35919	3.34E-08	2.49E-05	4.15E-06	1.03E-11	3.11E-11	2.46E-11	0	0	0	0	7.953E-11	4.9837E-09	5.00442E-09	1.05422E-11	0	5.26195E-12	0
411	570470.6	4178439	0.55, 41784	0.18858	0.14267	0.1783	108.92524	36.54882	128.38607	18.15421	4.93599	21.39768	3.83E-08	2.75E-05	4.59E-06	1.18E-11	3.56E-11	2.82E-11	0	0	0	0	9.108E-11	5.5085E-09	5.53136E-09	1.2074E-11	0	6.02653E-12	0
412	570510.6	4178439	0.55, 41784	0.22167	0.16966	0.20722	120.34611	39.98702	143.34164	20.05769	5.68986	23.89027	4.45E-08	3.08E-05	5.13E-06	1.37E-11	4.14E-11	3.27E-11	0	0	0	0	1.059E-10	6.1501E-09	6.17569E-09	1.40325E-11	0	7.00406E-12	0
413	570550.6	4178439	0.55, 41784	0.2658	0.20594	0.24496	134.27176	44.24032	161.13607	22.37863	6.83821	26.85601	5.26E-08	3.46E-05	5.76E-06	1.62E-11	4.9E-11	3.87E-11	0	0	0	0	1.251E-10	6.9136E-09	6.94233E-09	1.65882E-11	0	8.27972E-12	0
414	570590.6	4178439	0.55, 41784	0.3272	0.25654	0.29583	151.91315	49.32778	182.29969	25.31886	8.30482	30.38328	6.35E-08	3.91E-05	6.52E-06	1.96E-11	5.91E-11	4.67E-11	0	0	0	0	1.511E-10	7.8216E-09	7.85413E-09	2.00332E-11	0	9.99921E-12	0
415	570630.6	4178439	0.55, 41784	0.41735	0.33056	0.3671	175.42083	55.6235	213.97884	29.2368	10.21264	34.63299	7.88E-08	4.59E-05	7.43E-06	2.43E-11	7.34E-11	5.8E-11	0	0	0	0	1.875E-10	9.1808E-09	8.95272E-09	2.48597E-11	0	1.24083E-11	0
416	570670.6	4178439	0.55, 41784	0.56024	0.44648	0.47194	208.37177	63.80907	268.23017	34.72863	12.75328	41.38807	1.01E-07	5.75E-05	8.88E-06	3.12E-11	9.43E-11	7.45E-11	0	0	0	0	2.411E-10	1.1508E-08	1.06989E-08	3.19598E-11	0	1.59522E-11	0
417	570710.6	4178439	0.55, 41784	0.81434	0.64609	0.63688	258.28683	75.2647	339.8113	43.04781	16.40047	56.02404	1.37E-07	7.29E-05	1.2E-05	4.22E-11	1.27E-10	1.01E-10	0	0	0	0	3.254E-10	1.458E-08	1.44821E-08	4.31304E-11	0	2.15278E-11	0
418	570750.6	4178439	0.55, 41784	1.35572	1.03003	0.91926	343.9155	93.10334	457.76974	57.16949	22.25077	76.29496	1.97E-07	9.82E-05	1.64E-05	6.09E-11	1.84E-10	1.45E-10	0	0	0	0	4.696E-10	1.964E-08	1.97219E-08	6.22556E-11	0	3.10737E-11	0
419	570790.6	4178439	0.55, 41784	3.18264	2.0617	1.49283	571.47263	129.70009	738.76969	95.66015	38.79176	110.20608	3.2E-07	0.000158	2.36E-05	9.89E-11	2.98E-10	2.36E-10	0	0	0	0	7.627E-10	3.1696E-08	2.84887E-08	1.01108E-10	0	5.04663E-11	0
420	571070.6	4178439	0.55, 41784	4.74443	12.25677	5.33303	251.71558	235.3671	557.08631	48.15254	87.29167	78.37734	1.14E-06	0.00012	1.68E-05	3.53E-10	1.07E-09	8.42E-10	0	0	0	0	2.725E-09	2.3903E-08	2.02595E-08	3.61271E-10	0	1.80322E-10	0
421	571110.6	4178439	0.55, 41784	3.89854	10.39914	4.234	292.37938	213.76959	730.76501	54.55193	96.69541	95.26587	9.09E-07	0.000157	2.04E-05	2.8E-10	8.47E-10	6.69E-10	0	0	0	0	2.164E-09	3.1354E-08	2.46246E-08	2.86832E-10	0	1.43167E-10	0
422	571150.6	4178439	0.55, 41784	3.24566	6.14355	3.38328	299.25996	151.74182	537.6659	53.26943	58.88405	104.89405	7.26E-07	0.000115	2.25E-05	2.24E-10	6.77E-10	5.34E-10	0	0	0	0	1.729E-09	2.3069E-08	2.71129E-08	2.29164E-10	0	1.14383E-10	0
423	571190.6	4178439	0.55, 41784	2.68652	4.20662	2.81661	319.22111	114.25705	663.08885	45.60302	42.68486	97.00809	6.04E-07	0.000142	2.08E-05	1.87E-10	5.63E-10	4.45E-10	0	0	0	0	1.439E-09	2.8449E-08	2.50743E-08	1.90766E-10	0	9.52172E-11	0
424	571230.6	4178439	0.55, 41784	2.2851	3.10379	2.38014	355.31137	114.374	594.35462	48.25343	33.87475	78.4876	5.11E-07	0.000128	1.68E-05	1.58E-10	4.76E-10	3.76E-10	0	0	0	0	1.216E-09	2.55E-08	2.0288E-08	1.61197E-10	0	8.04583E-11	0
425	571270.6	4178439	0.55, 41784	1.91581	2.39067	2.08735	281.61312	92.35093	457.23387	43.32371	28.45229	65.31912	4.48E-07	9.81E-05	1.4E-05	1.38E-10	4.17E-10	3.3E-10	0	0	0	0	1.066E-09	1.9617E-08	1.68843E-08	1.41361E-10	0	7.0558E-11	0
426	571310.6	4178439	0.55, 41784	1.62017	1.88774	1.73959	249.98498	75.512	443.82502	38.72011	23.46838	65.04063	3.73E-07	9.52E-05	1.4E-05	1.15E-10	3.48E-10	2.75E-10	0	0	0	0	8.887E-10	1.9042E-08	1.6812E-08	1.17808E-10	0	5.88019E-11	0
427	571350.6	4178439	0.55, 41784	1.36969	1.52492	1.4607	207.90528	71.02603	289.54604	31.99215	18.96422	43.80183	3.13E-07	6.21E-05	9.4E-06	9.67E-11	2.92E-10	2.31E-10	0	0	0	0	7.462E-10	1.2423E-08	1.13225E-08	9.89205E-11	0	4.93744E-11	0
428	571390.6	4178439	0.55, 41784	1.16602	1.25794	1.25769	137.82846	66.02867	157.99714	21.56098	15.29437	27.7078	2.7E-07	3.39E-05	5.94E-06	8.33E-11	2.51E-10	1.99E-10	0	0	0	0	6.425E-10	6.7792E-09	7.16241E-09	8.51714E-11	0	4.25118E-11	0
429	571430.6	4178439	0.55, 41784	1.00225	1.05165	1.08939	150.81052	60.59063	188.78292	19.07395	12.70811	25.02004	2.34E-07	4.05E-05	5.37E-06	7.21E-11	2.18E-10	1.72E-10	0	0	0	0	5.565E-10	8.0999E-09	6.4676E-09	7.37734E-11	0	3.68227E-11	0
430	571470.6	4178439	0.55, 41784	0.86528	0.88825	0.94207	153.64691	54.59461	206.40776	19.20586	10.6849	25.80097	2.02E-07	4.43E-05	5.54E-06	6.24E-11	1.88E-10	1.49E-10	0	0	0	0	4.813E-10	8.856E-09	6.66943E-09	6.37966E-11	0	3.18429E-11	0
431	571510.6	4178439	0.55, 41784	0.75493	0.76151	0.82291	144.52703	49.13224	189.90829	18.06588	9.74189	23.73854	1.77E-07	4.07E-05	5.09E-06	5.45E-11	1.65E-10	1.3E-10	0	0	0	0	4.204E-10	8.148E-09	6.13633E-09	5.57268E-11	0	2.7815E-11	0
432	571550.6	4178439	0.55, 41784	0.65913	0.65716	0.71761	127.58758	46.59598	156.05984	15.94845	8.8858	19.50748	1.54E-07	3.35E-05	4.19E-06	4.75E-11	1.43E-10	1.13E-10	0	0	0	0	3.666E-10	6.6958E-09	5.0427E-09	4.85959E-11	0	2.42558E-11	0
433	571590.6	4178439	0.55, 41784	0.57626	0.57045	0.62441	106.82976	44.35137	118.44703	13.35372	8.08009	14.80588	1.34E-07	2.54E-05	3.18E-06	4.13E-11	1.25E-10	9.86E-11	0	0	0	0	3.19E-10	5.0822E-09	3.82742E-09	4.22845E-11	0	2.11055E-11	0
434	570310.6	4178479	0.55, 41784	0.1113	0.08183	0.10709	74.58423	29.47815	84.27127	11.80727	4.00274	12.56763	2.3E-08	1.81E-05	2.7E-06	7.09E-12	2.14E-11	1.69E-11	0	0	0	0	5.471E-11	3.6158E-09	3.24885E-09	7.25179E-12	0	3.6196E-12	0
435	570350.6	4178479	0.55, 41784	0.12561	0.09388	0.12027	80.0812	31.76761	91.05741	12.83362	4.33491	13.82729	2.58E-08	1.95E-05	2.97E-06	7.96E-12	2.4E-11	1.9E-11	0	0	0	0	6.144E-11	3.9069E-09	3.57447E-09	8.14433E-12	0	4.0651E-12	0
436	570390.6	4178479	0.55, 41784	0.14146	0.10678	0.13471	86.10528	34.01158	98.86723	14.01299	4.67053	15.28263	2.89E-08	2.12E-05	3.28E-06	8.92E-12	2.69E-11	2.13E-11	0	0	0	0	6.882E-11	4.242E-09	3.95068E-09	9.1222E-12	0	4.55318E-12	0
437	570430.6	4178479	0.55, 41784	0.16075	0.12266	0.15218	93.00088	36.36689	108.11431	15.32204	5.02469	17.00047	3.27E-08	2.32E-05	3.65E-06	1.01E-11	3.04E-11	2.4E-11	0	0	0	0	7.774E-11	4.6388E-09	4.39473E-09	1.03053E-11	0	5.14368E-12	0
438	570470.6	4178479	0.55, 41784	0.18644	0.14379	0.17515	101.96042	39.51551	120.09702	16.93263	5.48718	19.18544	3.76E-08	2.58E-05	4.12E-06	1.16E-11	3.5E-11	2.77E-11	0	0	0	0	8.948E-11	5.1529E-09	4.95954E-09	1.18608E-11	0	5.92009E-12	0
439	570510.6	4178479	0.55, 41784	0.22079	0.17209	0.20548	113.44919	43.50567	135.70428	18.9082	6.17272	22.02345	4.41E-08	2.91E-05	4.73E-06	1.36E-11	4.11E-11	3.24E-11	0	0	0	0	1.05E-10	5.8225E-09	5.69314E-09	1.39147E-11	0	6.94528E-12	0
440	570550.6	4178479	0.55, 41784	0.2667	0.21004	0.24533	127.7059	48.20733	155.63974	21.28432	7.34053	25.62853	5.26E-08	3.34E-05	5.5E-06	1.62E-11	4.9E-11	3.87E-11	0	0	0	0	1.253E-10	6.6778E-09	6.62502E-09	1.66134E-11	0	8.29226E-12	0
441	570590.6	4178479	0.55, 41784	0.32931	0.26248	0.29831	144.67878	53.44745	182.17951	24.11313	8.81975	30.24215	6.4E-08	3.91E-05	6.49E-06	1.98E-11	5.96E-11	4.71E-11	0	0	0	0	1.524E-10	7.8165E-09	7.81757E-09	2.02012E-11	0	1.00831E-11	0
442	570630.6	4178479	0.55, 41784	0.42133	0.33962	0.37314	165.95931	60.05375	219.0797	27.65989	10.77683	36.51328	8.01E-08	4.7E-05	7.83E-06	2.47E-11	7.46E-11	5.89E-11	0	0	0	0	1.906E-10	9.3997E-09	9.43855E-09	2.52688E-11	0	1.26125E-11	0
443	570670.6	4178479	0.55, 41784	0.56746	0.46145	0.48445	193.36004	69.0612	272.47405	32.22667	13.5092	45.41234	1.04E-07	5.85E-05	9.74E-06	3.21E-11	9.68E-11	7.65E-11	0	0	0	0	2.475E-10	1.1691E-08	1.17388E-08	3.2807E-11	0	1.6375E-11	0
444	570710.6	4178479	0.55, 41784	0.83023	0.67528	0.66195	236.53606	81.84268	352.22256	39.07222	17.68943	58.70376	1.42E-07	7.56E-05	1.26E-05	4.38E-11	1.32E-10	1.05E-10	0	0	0	0	3.382E-10	1.5112E-08	1.51743E-08	4.48282E-11	0	2.23752E-11	0
445	570750.6	4178479	0.55, 41784	1.42426	1.12918	0.97629	342.03514	102.90165	482.1747	49.67165	25.1054	80.36245	2.09E-07	0.000103	1.72E-05	6.46E-11	1.95E-10	1.54E-10	0	0	0	0	4.988E-10	2.0688E-08	2.07726E-08	6.61184E-11	0	3.30018E-11	0
446	570790.6	4178479	0.55, 41784	3.63047	2.75084	1.62936	596.75244	187.47347	722.34167	107.7468	51.23422	120.39028	3.5E-07	0.000155	2.58E-05	1.08E-10	3.26E-10	2.57E-10	0	0	0	0	8.326E-10	3.0992E-08	3.11216E-08	1.10364E-10	0	5.50861E-11	0
447	571030.6	4178479	0.55, 41784	9.40071	15.68167	11.18665	333.68631	267.08575	756.18793	81.11776	110.69164	178.64972	2.4E-06	0.000162	3.83E-05	7.41E-10	2.24E-09	1.77E-09	0	0	0	0	5.715E-09	3.2445E-08	4.61765E-08	7.57639E-10	0	3.78162E-10	0
448	571070.6	4178479	0.55, 41784	5.59712	9.0131	6.53916	216.22006	204.77885	522.16381	54.58514	76.29745	101.00005	1.4E-06	0.000112	2.17E-05	4.33E-10	1.31E-09	1.03E-09	0	0	0	0	3.341E-09	2.2404E-08	2.61066E-08	4.42876E-10	0	2.21053E-10	0
449	571110.6	4178479	0.55, 41784	3.86033	5.8724	4.45436	232.77263	158.88759	526.3096	40.87392	60.11848	68.10823	9.56E-07	0.000113	1.46E-05	2.95E-10	8.91E-10	7.03E-10	0	0	0	0	2.276E-09	2.2581E-08	1.7605E-08	3.01675E-10	0	1.50575E-10	0
450	571150.6	4178479	0.55, 41784	2.87873	4.17215	3.24074	243.47288	131.88403	510.79766	36.94401	47.80365	68.59206	6.95E-07	0.00011	1.47E-05	2.15E-10	6.48E-10	5.12E-10	0	0	0	0	1.656E-09	2.1916E-08	1.77297E-08	2.1948E-10	0	1.09549E-10	0
451	571190.6	4178479	0.55, 41784	2.25924	3.11768	2.54212	272.99859	103.34976	495.79992	40.61499	35.56429	82.63332	5.45E-07	0.000106	1.77E-05	1.68E-10	5.08E-10	4.01E-10	0	0	0	0	1.299E-09	2.1272E-08	2.13589E-08	1.72163E-10	0	8.59321E-11	0
452	571230.6	4178479	0.55, 41784	1.86428	2.43731	2.04705	228.60917	88.43023	428.91859	34.9281	28.65964	53.61482	4.39E-07	9.2E-05	1.15E-05	1.36E-10	4.09E-10	3.23E-10	0	0	0	0	1.046E-09	1.8402E-08	1.38588E-08	1.38634E-10	0	6.91965E-11	0
453	571270.6	4178479	0.55, 41784	1.58233	1.95726	1.72288	275.18297	89.4878	451.79055	39.56066	24.38596	62.99097	3.7E-07	9.69E-05	1.35E-05	1.14E-10	3.44E-10	2.72E-10	0	0	0	0	8.802E-10	1.9384E-08	1.62824E-08	1.16678E-10	0	5.82378E-11	0
454	571310.6	4178479	0.55, 41784	1.35793	1.6065	1.5101	222.77943	77.47813	328.49847	32.82803	21.05024	46.46168	3.24E-07	7.05E-05	9.97E-06	1E-10	3.02E-10	2.38E-10	0	0	0	0	7.715E-10	1.4094E-08	1.201E-08	1.02266E-10	0	5.10444E-11	0
455	571350.6	4178479	0.55, 41784	1.1642	1.33076	1.27594	210.30644	64.61424	297.95893	30.9494	18.13628	42.55235	2.74E-07	6.39E-05	9.13E-06	8.45E-11	2.55E-10	2.01E-10	0	0	0	0	6.518E-10	1.2784E-08	1.09995E-08	8.64082E-11	0	4.31291E-11	0
456	571390.6	4178479	0.55, 41784	1.001	1.11694	1.07653	187.8278	60.73144	278.37154	27.7002	15.35336	39.86006	2.31E-07	5.97E-05	8.55E-06	7.13E-11	2.15E-10	1.7E-10	0	0	0	0	5.5E-10	1.1943E-08	1.03035E-08	7.29038E-11	0	3.63886E-11	0
457	571430.6	4178479	0.55, 41784	0.8626	0.94616	0.9271	141.00765	57.76687	153.44465	20.99683	12.7525	23.01436	1.99E-07	3.29E-05	4.94E-06	6.14E-11	1.85E-10	1.46E-10	0	0	0	0	4.736E-10	6.5838E-09	5.94938E-09	6.2784E-11	0	3.13375E-11	0
458	571470.6	4178479	0.55, 41784	0.75511	0.81334	0.81471	85.41876	54.87579	110.14274	13.60469	11.10539	17.11986	1.75E-07	2.36E-05	3.67E-06	5.39E-11	1.63E-10	1.29E-10	0	0	0	0	4.162E-10	4.726E-09	4.42547E-09	5.51726E-11	0	2.75384E-11	0
459	571510.6	4178479	0.55, 41784	0.666	0.70453	0.71826	104.54177	51.61661	121.24791	13.06772	9.4895	15.99878	1.54E-07	2.6E-05	3.43E-06	4.76E-11	1.44E-10	1.13E-10	0	0	0	0	3.669E-10	5.2024E-09	4.13569E-09	4.86407E-11	0	2.42781E-11	0
460	571550.6	4178479	0.55, 41784	0.58993	0.61436	0.63446	114.23468	47.78612	141.81512	14.27934	8.47335	17.72689	1.36E-07	3.04E-05	3.8E-06	4.2E-11	1.27E-10	1E-10	0	0	0	0	3.241E-10	6.0847E-09	4.5824E-09	4.29656E-11	0	2.14455E-11	0
461	571590.6	4178479	0.55, 41784	0.5248	0.5396	0.56365	114.71837	43.31659	143.69009	14.3398	7.89274	17.96126	1.21E-07	3.08E-05	3.85E-06	3.73E-11	1.13E-10	8.9E-11	0	0	0	0	2.879E-10	6.1651E-09	4.64297E-09	3.81703E-11	0	1.9052E-11	0
462	570310.6	4178519	0.55, 41785	0.10968	0.08323	0.10459	75.92481	30.95134	85.20389	12.65413	4.31611	14.20065	2.24E-08	1.83E-05	3.05E-06	6.92E-12	2.09E-11	1.65E-11	0	0	0	0	5.343E-11	3.6558E-09	3.67095E-09	7.08256E-12	0	3.53513E-12	0
463	570350.6	4178519	0.55, 41785	0.12253	0.09413	0.11632	80.98331	32.52203	91.70345	13.49722	4.56123	15.28391	2.5E-08	1.97E-05	3.28E-06	7.7E-12	2.33E-11	1.84E-11	0	0	0	0	5.942E-11	3.9347E-09	3.95097E-09	7.87691E-12	0	3.93162E-12	0
464	570390.6	4178519	0.55, 41785	0.13706	0.10653	0.12954	86.4192	34.09518	99.00991	14.4032	4.78567	16.50165	2.78E-08	2.12E-05	3.54E-06	8.58E-12	2.59E-11	2.05E-11	0	0	0	0	6.618E-11	4.2481E-09	4.26575E-09	8.77216E-12	0	4.37847E-12	0
465	570430.6	4178519	0.55, 41785	0.15657	0.12308	0.14711	93.48729	36.56809	108.68156	15.58121	5.11226	18.11359	3.16E-08	2.33E-05	3.89E-06	9.74E-12	2.94E-11	2.32E-11	0	0	0	0	7.515E-11	4.6631E-09	4.68243E-09	9.962E-12	0	4.97235E-12	0
466	570470.6	4178519	0.55, 41785	0.18113	0.14422	0.16907	101.65142	39.2669	120.52836	16.9419	5.47129	20.08806	3.63E-08	2.59E-05	4.31E-06	1.12E-11	3.38E-11	2.67E-11	0	0	0	0	8.637E-11	5.1714E-09	5.19281E-09	1.14491E-11	0	5.71463E-12	0
467	570510.6	4178519	0.55, 41785	0.21556	0.17373	0.19928	112.42418	43.21366	137.68321	18.73736	6.23491	22.9472	4.28E-08	2.95E-05	4.92E-06	1.32E-11	3.98E-11	3.15E-11	0	0	0	0	1.018E-10	5.9074E-09	5.93186E-09	1.3495E-11	0	6.73577E-12	0
468	570550.6	4178519	0.55, 41785	0.26244	0.21401	0.23948	127.39838	48.06291	159.66591	20.89373	7.26318	26.61098	5.14E-08	3.43E-05	5.71E-06	1.59E-11	4.79E-11	3.78E-11	0	0	0	0	1.223E-10	6.8506E-09	6.8789E-09	1.62174E-11	0	8.0946E-12	0
469	570590.6	4178519	0.55, 41785	0.32438	0.26815	0.29055	146.74921	52.55391	186.84388	23.05175	8.49659	31.14065	6.23E-08	4.01E-05	6.68E-06	1.92E-11	5.81E-11	4.59E-11	0	0	0	0	1.484E-10	8.0166E-09	8.04971E-09	1.96759E-11	0	9.82088E-12	0
470	570630.6	4178519	0.55, 41785	0.41604	0.34788	0.36203	170.82398	60.03664	221.85088	25.41079	10.076	36.97515	7.77E-08	4.76E-05	7.93E-06	2.4E-11	7.24E-11	5.72E-11	0	0	0	0	1.85E-10	9.5186E-09	9.55776E-09	2.45168E-11	0	1.22371E-11	0
471	570670.6	4178519	0.55, 41785	0.56352	0.47347	0.46761	210.6175	71.54419	266.74609	27.95974	12.2085	44.45768	1E-07	5.72E-05	9.54E-06	3.1E-11	9.35E-11	7.38E-11	0	0	0	0	2.389E-10	1.1445E-08	1.14917E-08	3.16671E-11	0	1.58061E-11	0
472	570710.6	4178519	0.55, 41785	0.82936	0.69158	0.6351	257.30872	94.91316	337.8148	32.16359	16.3308	53.60133	1.36E-07	7.25E-05	1.15E-05	4.21E-11	1.27E-10	1E-10	0	0	0	0	3.245E-10	1.4494E-08	1.38552E-08	4.30107E-11	0	2.1468E-11	0
473	570750.6	4178519	0.55, 41785	1.36529	1.13262	0.93188	327.60111	130.96882	473.41526	45.80096	29.91109	62.68561	2E-07	0.000102	1.34E-05	6.17E-11	1.86E-10	1.47E-10	0	0	0	0	4.761E-10	2.0312E-08	1.62039E-08	6.31117E-11	0	3.15011E-11	0
474	570790.6	4178519	0.55, 41785	2.09469	1.90095	1.39228	339.24086	174.34023	730.67406	59.4987	49.70987	91.33426	2.99E-07	0.000157	1.96E-05	9.22E-11	2.78E-10	2.2E-10	0	0	0	0	7.114E-10	3.1349E-08	2.36089E-08	9.42959E-11	0	4.70661E-11	0
475	570990.6	4178519	0.55, 41785	30.9381	16.28557	11.79039	1645.60932	278.46944	1244.70182	444.29015	131.46412	279.7997	2.53E-06	0.000267	6E-05	7.81E-10	2.36E-09	1.86E-09	0	0	0	0	6.024E-09	5.3404E-08	7.23437E-08	7.98564E-10	0	3.98589E-10	0
476	571030.6	4178519	0.55, 41785	10.39533	8.05295	7.62595	575.07494	188.36146	999.69988	130.51861	75.45666	173.23921	1.64E-06	0.000214	3.72E-05	5.05E-10	1.52E-09	1.2E-09	0	0	0	0	3.896E-09	4.2891E-08	4.47817E-08	5.16447E-10	0	2.57775E-10	0
477	571070.6	4178519	0.55, 41785	5.62777	5.38206	5.21191	327.13066	151.27996	542.64793	61.45445	56.79768	91.26612	1.12E-06	0.000116	1.96E-05	3.45E-10	1.04E-09	8.23E-10	0	0	0	0	2.663E-09	2.3282E-08	2.35914E-08	3.52958E-10	0	1.76172E-10	0
478	571110.6	4178519	0.55, 41785	3.70135	3.92679	3.70614	194.51307	130.68512	402.95521	41.68788	44.49195	69.09918	7.95E-07	8.64E-05	1.48E-05	2.45E-10	7.41E-10	5.85E-10	0	0	0	0	1.893E-09	1.7289E-08	1.78611E-08	2.50986E-10	0	1.25275E-10	0
479	571150.6	4178519	0.55, 41785	2.69329	3.00723	2.77155	208.02281	103.35418	440.08145	30.40761	37.50867	55.01018	5.95E-07	9.44E-05	1.18E-05	1.84E-10	5.54E-10	4.38E-10	0	0	0	0	1.416E-09	1.8881E-08	1.42191E-08	1.87695E-10	0	9.36845E-11	0
480	571190.6	4178519	0.55, 41785	2.08526	2.38411	2.19601	205.94825	100.14217	330.97092	32.90062	31.32752	44.74048	4.71E-07	7.1E-05	9.6E-06	1.45E-10	4.39E-10	3.47E-10	0	0	0	0	1.122E-09	1.42E-08	1.15652E-08	1.48718E-10	0	7.423E-11	0
481	571230.6	4178519	0.55, 41785	1.66362	1.91731	1.76389	215.41751	83.66277	360.55042	30.77393	25.17962	52.13444	3.78E-07	7.73E-05	1.12E-05	1.17E-10	3.53E-10	2.79E-10	0	0	0	0	9.011E-10	1.5469E-08	1.34759E-08	1.19454E-10	0	5.96234E-11	0
482	571270.6	4178519	0.55, 41785	1.38104	1.58176	1.44385	194.90891	74.63088	227.07234	31.16799	21.56574	34.54332	3.1E-07	4.87E-05	7.41E-06	9.56E-11	2.89E-10	2.28E-10	0	0	0	0	7.376E-10	9.7428E-09	8.92968E-09	9.77806E-11	0	4.88054E-11	0
483	571310.6	4178519	0.55, 41785	1.18628	1.33473	1.24995	227.7435	74.01926	353.91479	34.0231	18.88588	51.12416	2.68E-07	7.59E-05	1.1E-05	8.28E-11	2.5E-10	1.97E-10	0	0	0	0	6.386E-10	1.5185E-08	1.32151E-08	8.46487E-11	0	4.22509E-11	0
484	571350.6	4178519	0.55, 41785	1.02794	1.1349	1.10387	186.21806	66.32591	255.87469	28.09378	16.3212	37.6065	2.37E-07	5.49E-05	8.07E-06	7.31E-11	2.21E-10	1.74E-10	0	0	0	0	5.639E-10	1.0978E-08	9.72112E-09	7.47552E-11	0	3.73127E-11	0
485	571390.6	4178519	0.55, 41785	0.88898	0.96986	0.94947	165.64096	58.31983	230.86073	23.55305	14.40747	29.95608	2.04E-07	4.95E-05	6.43E-06	6.29E-11	1.9E-10	1.5E-10	0	0	0	0	4.851E-10	9.9051E-09	7.7436E-09	6.4299E-11	0	3.20937E-11	0
486	571430.6	4178519	0.55, 41785	0.7696	0.83467	0.8102	166.81635	54.79876	235.11797	23.72844	12.50769	32.6638	1.74E-07	5.04E-05	7.01E-06	5.36E-11	1.62E-10	1.28E-10	0	0	0	0	4.139E-10	1.0088E-08	8.4434E-09	5.48676E-11	0	2.73862E-11	0
487	571470.6	4178519	0.55, 41785	0.67066	0.72494	0.7032	138.40145	51.97552	171.46902	19.82816	10.73341	24.30543	1.51E-07	3.68E-05	5.21E-06	4.66E-11	1.41E-10	1.11E-10	0	0	0	0	3.592E-10	7.357E-09	6.28297E-09	4.76215E-11	0	2.37694E-11	0
488	571510.6	4178519	0.55, 41785	0.58987	0.63439	0.62004	93.94363	49.66848	89.41667	13.736	9.50533	13.29785	1.33E-07	1.92E-05	2.85E-06	4.11E-11	1.24E-10	9.79E-11	0	0	0	0	3.168E-10	3.8367E-09	3.43771E-09	4.19897E-11	0	2.09584E-11	0
489	571550.6	4178519	0.55, 41785	0.52422	0.55926	0.55249	64.7066	47.53612	82.72316	9.81761	8.44297	11.85775	1.19E-07	1.77E-05	2.54E-06	3.66E-11	1.1E-10	8.72E-11	0	0	0	0	2.823E-10	3.5495E-09	3.06525E-09	3.7415E-11	0	1.8675E-11	0
490	571590.6	4178519	0.55, 41785	0.47148	0.49721	0.49682	75.39988	45.27823	83.60413	9.54319	7.49343	11.2302	1.07E-07	1.79E-05	2.41E-06	3.29E-11	9.93E-11	7.85E-11	0	0	0	0	2.538E-10	3.5873E-09	2.90304E-09	3.36449E-11	0	1.67933E-11	0
491	570310.6	4178559	0.55, 41785	0.10731	0.08405	0.10201	76.80272	30.54078	89.48595	12.80045	4.19275	14.91432	2.19E-08	1.92E-05	3.2E-06	6.75E-12	2.04E-11	1.61E-11	0	0	0	0	5.211E-11	3.8395E-09	3.8554E-09	6.90789E-12	0	3.44795E-12	0
492	570350.6	4178559	0.55, 41785	0.11907	0.09438	0.11262	82.9813	31.5625	94.82328	13.39224	4.31782	15.80388	2.42E-08	2.03E-05	3.39E-06	7.46E-12	2.25E-11	1.78E-11	0	0	0	0	5.753E-11	4.0685E-09	4.08535E-09	7.62641E-12	0	3.80658E-12	0
493	570390.6	4178559	0.55, 41785	0.1339	0.10748	0.12591	90.55746	32.83588	101.05325	14.07263	4.47793	16.84221	2.7E-08	2.17E-05	3.61E-06	8.34E-12	2.52E-11	1.99E-11	0	0	0	0	6.432E-11	4.3358E-09	4.35374E-09	8.52641E-12	0	4.25581E-12	0
494	570430.6	4178559	0.55, 41785	0.15297	0.12443	0.14282	99.07784	34.42492	111.25467	14.88754	4.68196	18.0897	3.06E-08	2.39E-05	3.88E-06	9.46E-12	2.86E-11	2.26E-11	0	0	0	0	7.296E-11	4.7735E-09	4.67621E-09	9.67158E-12	0	4.82739E-12	0
495	570470.6	4178559	0.55, 41785	0.17711	0.14611	0.16369	108.3811	37.13833	125.77833	15.68816	5.10948	19.33096	3.51E-08	2.7E-05	4.15E-06	1.08E-11	3.27E-11	2.58E-11	0	0	0	0	8.362E-11	5.3966E-09	4.99706E-09	1.10849E-11	0	5.53284E-12	0
496	570510.6	4178559	0.55, 41785	0.21022	0.1758	0.19176	119.02071	41.74654	144.28309	16.67371	5.7123	20.76073	4.11E-08	3.1E-05	4.45E-06	1.27E-11	3.83E-11	3.03E-11	0	0	0	0	9.796E-11	6.1905E-09	5.36664E-09	1.29859E-11	0	6.48167E-12	0
497	570550.6	4178559	0.55, 41785	0.25686	0.21737	0.22998	138.81712	48.97119	169.0217	17.78034	6.5378	22.20322	4.93E-08	3.63E-05	4.76E-06	1.52E-11	4.6E-11	3.63E-11	0	0	0	0	1.175E-10	7.252E-09	5.73952E-09	1.55742E-11	0	7.7736E-12	0
498	570590.6	4178559	0.55, 41785	0.31921	0.27311	0.27901	158.95656	55.69599	196.40207	19.86957	7.90259	24.55026	5.99E-08	4.21E-05	5.27E-06	1.85E-11	5.58E-11	4.41E-11	0	0	0	0	1.425E-10	8.4267E-09	6.34624E-09	1.88947E-11	0	9.43096E-12	0
499	570630.6	4178559	0.55, 41785	0.41072	0.35398	0.34795	180.38278	65.18573	228.48167	22.54785	9.64997	28.56021	7.47E-08	4.9E-05	6.13E-06	2.3E-11	6.96E-11	5.49E-11	0	0	0	0	1.778E-10	9.8031E-09	7.38278E-09	2.35636E-11	0	1.17614E-11	0
500	570670.6	4178559	0.55, 41785	0.55178	0.47716	0.45068	218.05495	85.23197	290.43238	27.25687	14.02323	36.30405	9.67E-08	6.23E-05	7.79E-06	2.98E-11	9.01E-11	7.12E-11	0	0	0	0	2.302E-10	1.2461E-08	9.38445E-09	3.0521E-11	0	1.5234E-11	0
501	570710.6	4178559	0.55, 41785	0.78132	0.6809	0.62169	244.71244	105.12049	355.26836	32.595	21.74638	44.40855	1.33E-07	7.62E-05	9.53E-06	4.12E-11	1.24E-10	9.82E-11	0	0	0	0	3.176E-10	1.5243E-08	1.14794E-08	4.21025E-11	0	2.10147E-11	0
502	570750.6	4178559	0.55, 41785	1.13763	1.02831	0.92752	276.33124	124.7524	514.56755	39.47589	32.46528	64.32094	1.99E-07	0.00011	1.38E-05	6.14E-11	1.85E-10	1.46E-10	0	0	0	0	4.739E-10	2.2077E-08	1.66261E-08	6.28143E-11	0	3.13526E-11	0
503	570790.6	4178559	0.55, 41785	1.48115	1.46435	1.34156	285.306	157.20995	776.24295	43.19026	42.97795	97.64972	2.88E-07	0.000167	2.09E-05	8.88E-11	2.68E-10	2.12E-10	0	0	0	0	6.854E-10	3.3304E-08	2.52399E-08	9.08536E-11	0	4.53479E-11	0
504	570830.6	4178559	0.55, 41785	2.67811	2.99292	2.3948	342.02881	178.80856	871.65336	66.23843	64.34565	121.28657	5.14E-07	0.000187	2.6E-05	1.59E-10	4.79E-10	3.78E-10	0	0	0	0	1.224E-09	3.7398E-08	3.13503E-08	1.62188E-10	0	8.09532E-11	0
505	570950.6	4178559	0.55, 41785	26.55575	12.00196	5.05287	679.01352	318.67052	1487.06516	280.37281	116.3834	245.48668	1.08E-06	0.000319	5.27E-05	3.35E-10	1.01E-09	7.98E-10	0	0	0	0	2.583E-09	6.3801E-08	6.34641E-08	3.4234E-10	0	1.70873E-10	0
506	570990.6	4178559	0.55, 41785	10.52141	6.96087	4.44153	639.29991	205.65266	1371.63359	133.52138	75.6432	174.17097	9.53E-07	0.000294	3.74E-05	2.94E-10	8.88E-10	7.02E-10	0	0	0	0	2.269E-09	5.8848E-08	4.50227E-08	3.00837E-10	0	1.50157E-10	0
507	571030.6	4178559	0.55, 41785	6.12086	4.69941	3.63304	562.31532	143.87555	907.33173	97.52112	53.65332	135.00156	7.8E-07	0.000195	2.9E-05	2.41E-10	7.26E-10	5.74E-10	0	0	0	0	1.856E-09	3.8928E-08	3.48971E-08	2.46054E-10	0	1.22814E-10	0
508	571070.6	4178559	0.55, 41785	4.00501	3.46908	2.98955	291.75499	122.4909	364.39166	69.10596	41.80504	75.82917	6.41E-07	7.82E-05	1.63E-05	1.98E-10	5.98E-10	4.72E-10	0	0	0	0	1.527E-09	1.5635E-08	1.96024E-08	2.02464E-10	0	1.01056E-10	0
509	571110.6	4178559	0.55, 41785	2.89394	2.70355	2.4438	288.47324	105.99812	437.78623	48.03981	36.46899	59.71453	5.24E-07	9.39E-05	1.28E-05	1.62E-10	4.89E-10	3.86E-10	0	0	0	0	1.249E-09	1.8783E-08	1.54362E-08	1.65501E-10	0	8.26068E-11	0
510	571150.6	4178559	0.55, 41785	2.21115	2.17534	2.01472	240.56187	97.79178	377.92847	31.90722	30.3701	47.66793	4.32E-07	8.11E-05	1.02E-05	1.33E-10	4.03E-10	3.18E-10	0	0	0	0	1.029E-09	1.6215E-08	1.23217E-08	1.36441E-10	0	6.81022E-11	0
511	571190.6	4178559	0.55, 41785	1.76303	1.79806	1.6955	177.14345	83.63267	264.27885	24.55859	26.34777	34.50528	3.64E-07	5.67E-05	7.4E-06	1.12E-10	3.39E-10	2.68E-10	0	0	0	0	8.662E-10	1.1339E-08	8.91938E-09	1.14822E-10	0	5.73114E-11	0
512	571230.6	4178559	0.55, 41785	1.44054	1.50665	1.43503	192.87207	80.98435	306.26039	29.09943	22.26218	51.0434	3.08E-07	6.57E-05	1.1E-05	9.5E-11	2.87E-10	2.27E-10	0	0	0	0	7.331E-10	1.314E-08	1.31939E-08	9.71824E-11	0	4.85068E-11	0
513	571270.6	4178559	0.55, 41785	1.19178	1.27042	1.20125	167.21575	71.42327	283.3883	22.32638	19.23301	35.42354	2.58E-07	6.08E-05	7.6E-06	7.95E-11	2.4E-10	1.9E-10	0	0	0	0	6.137E-10	1.2159E-08	9.15654E-09	8.13506E-11	0	4.06047E-11	0

514	571310.6	4178559 0.55, 41785	1.01245	1.08581	1.02025	169.23295	65.49002	155.67948	26.6418	16.91234	25.18935	2.19E-07	3.34E-05	5.4E-06	6.76E-11	2.04E-10	1.61E-10	0	0	0	0	5.212E-10	6.6798E-09	6.51189E-09	6.90931E-11	0	3.44866E-11	0
515	571350.6	4178559 0.55, 41785	0.8838	0.94242	0.90608	194.09519	63.64749	285.0024	28.90026	14.99354	40.61241	1.94E-07	6.11E-05	8.71E-06	6E-11	1.81E-10	1.43E-10	0	0	0	0	4.629E-10	1.2228E-08	1.0498E-08	6.13609E-11	0	3.06272E-11	0
516	571390.6	4178559 0.55, 41785	0.78025	0.82372	0.8159	158.10154	57.98385	206.74246	23.81897	12.89204	30.22211	1.75E-07	4.44E-05	6.48E-06	5.4E-11	1.63E-10	1.29E-10	0	0	0	0	4.168E-10	8.8704E-09	7.81237E-09	5.52533E-11	0	2.75787E-11	0
517	571430.6	4178559 0.55, 41785	0.68512	0.72115	0.71821	137.68904	52.2569	180.06144	18.93914	11.62385	25.68604	1.54E-07	3.86E-05	5.51E-06	4.76E-11	1.44E-10	1.13E-10	0	0	0	0	3.669E-10	7.7256E-09	6.63971E-09	4.86376E-11	0	2.42766E-11	0
518	571470.6	4178559 0.55, 41785	0.60049	0.63425	0.62389	143.56241	49.93475	187.32246	19.90478	10.29716	25.60594	1.34E-07	4.02E-05	5.49E-06	4.13E-11	1.25E-10	9.85E-11	0	0	0	0	3.187E-10	8.0371E-09	6.61908E-09	4.22504E-11	0	2.10885E-11	0
519	571510.6	4178559 0.55, 41785	0.52736	0.56045	0.5447	131.02036	47.72087	167.66109	18.26486	8.99798	23.11602	1.17E-07	3.6E-05	4.96E-06	3.61E-11	1.09E-10	8.6E-11	0	0	0	0	2.783E-10	7.1936E-09	5.97546E-09	3.68877E-11	0	1.84118E-11	0
520	571550.6	4178559 0.55, 41785	0.46874	0.49944	0.48529	99.50634	45.73793	109.0385	14.05158	8.03042	15.4257	1.04E-07	2.34E-05	3.31E-06	3.21E-11	9.7E-11	7.66E-11	0	0	0	0	2.479E-10	4.6785E-09	3.98766E-09	3.28644E-11	0	1.64037E-11	0
521	571590.6	4178559 0.55, 41785	0.42104	0.44786	0.43792	63.39282	43.98321	60.02596	9.17705	7.35207	9.24249	9.4E-08	1.29E-05	1.98E-06	2.9E-11	8.75E-11	6.92E-11	0	0	0	0	2.237E-10	2.5757E-09	2.3893E-09	2.96564E-11	0	1.48024E-11	0
522	570310.6	4178599 0.55, 41785	0.10507	0.08466	0.09914	83.25071	28.48032	95.05484	11.19876	3.62883	12.56574	2.13E-08	2.04E-05	2.7E-06	6.56E-12	1.98E-11	1.57E-11	0	0	0	0	5.065E-11	4.0784E-09	3.24832E-09	6.71359E-12	0	3.35097E-12	0
523	570350.6	4178599 0.55, 41785	0.11716	0.09561	0.10985	88.57329	30.33455	103.53599	11.44069	3.79182	12.942	2.36E-08	2.22E-05	2.78E-06	7.27E-12	2.2E-11	1.73E-11	0	0	0	0	5.612E-11	4.4423E-09	3.34558E-09	7.43889E-12	0	3.71299E-12	0
524	570390.6	4178599 0.55, 41785	0.13131	0.10865	0.12235	93.2639	32.45644	112.44406	11.65799	4.05706	14.05551	2.63E-08	2.41E-05	3.02E-06	8.1E-12	2.45E-11	1.93E-11	0	0	0	0	6.25E-11	4.8245E-09	3.63337E-09	8.28541E-12	0	4.13551E-12	0
525	570430.6	4178599 0.55, 41785	0.15022	0.126	0.13878	103.53542	36.02365	122.12845	12.94193	4.50296	15.26606	2.98E-08	2.62E-05	3.28E-06	9.19E-12	2.77E-11	2.19E-11	0	0	0	0	7.09E-11	5.24E-09	3.94632E-09	9.39808E-12	0	4.69088E-12	0
526	570470.6	4178599 0.55, 41785	0.17421	0.14819	0.15942	115.63183	39.91557	131.63773	14.45398	5.34922	16.45472	3.42E-08	2.82E-05	3.53E-06	1.06E-11	3.19E-11	2.52E-11	0	0	0	0	8.144E-11	5.648E-09	4.25363E-09	1.07959E-11	0	5.38856E-12	0
527	570510.6	4178599 0.55, 41785	0.20799	0.17912	0.18803	128.15759	44.54205	154.67263	16.0197	6.36274	19.33408	4.03E-08	3.32E-05	4.15E-06	1.24E-11	3.76E-11	2.97E-11	0	0	0	0	9.606E-11	6.6363E-09	4.99789E-09	1.27334E-11	0	6.35565E-12	0
528	570550.6	4178599 0.55, 41785	0.25382	0.22088	0.22625	141.74172	51.90419	182.47104	17.71771	7.41488	22.80888	4.85E-08	3.91E-05	4.89E-06	1.5E-11	4.52E-11	3.57E-11	0	0	0	0	1.156E-10	7.829E-09	5.89604E-09	1.53218E-11	0	7.64758E-12	0
529	570590.6	4178599 0.55, 41785	0.31442	0.27626	0.27638	161.8077	62.94071	207.9054	20.22596	8.27119	25.98817	5.93E-08	4.46E-05	5.58E-06	1.83E-11	5.53E-11	4.36E-11	0	0	0	0	1.412E-10	8.9203E-09	6.71789E-09	1.87167E-11	0	9.3421E-12	0
530	570630.6	4178599 0.55, 41785	0.39904	0.35395	0.34775	187.04764	77.01967	233.41259	23.38095	12.20463	29.17657	7.46E-08	5.01E-05	6.26E-06	2.3E-11	6.95E-11	5.49E-11	0	0	0	0	1.777E-10	1.0015E-08	7.54213E-09	2.35501E-11	0	1.17546E-11	0
531	570670.6	4178599 0.55, 41785	0.52025	0.46779	0.4567	203.91154	89.67976	314.96286	27.18561	17.16092	39.37036	9.8E-08	6.76E-05	8.45E-06	3.02E-11	9.13E-11	7.21E-11	0	0	0	0	2.333E-10	1.3514E-08	1.01769E-08	3.09283E-11	0	1.54373E-11	0
532	570710.6	4178599 0.55, 41785	0.68748	0.63563	0.62617	226.5911	101.22552	383.25212	32.37016	22.387	47.90652	1.34E-07	8.22E-05	1.03E-05	4.15E-11	1.25E-10	9.89E-11	0	0	0	0	3.199E-10	1.6443E-08	1.23834E-08	4.24049E-11	0	2.11656E-11	0
533	570750.6	4178599 0.55, 41785	0.91976	0.89022	0.88415	243.41497	114.05895	499.75889	34.77357	31.00996	69.4997	1.9E-07	0.000107	1.49E-05	5.85E-11	1.77E-10	1.4E-10	0	0	0	0	4.517E-10	2.1442E-08	1.79642E-08	5.98754E-11	0	2.98857E-11	0
534	570790.6	4178599 0.55, 41785	1.20615	1.22781	1.16033	261.32328	130.44037	537.17009	39.31654	39.06207	73.65107	2.49E-07	0.000115	1.58E-05	7.68E-11	2.32E-10	1.83E-10	0	0	0	0	5.928E-10	2.3047E-08	1.90374E-08	7.85795E-11	0	3.92215E-11	0
535	570830.6	4178599 0.55, 41785	1.86035	2.06593	1.53512	307.79075	158.37727	606.96091	57.33573	51.17396	80.52216	3.29E-07	0.00013	1.73E-05	1.02E-10	3.07E-10	2.42E-10	0	0	0	0	7.843E-10	2.6042E-08	2.08144E-08	1.03969E-10	0	5.18941E-11	0
536	570870.6	4178599 0.55, 41785	2.81953	3.8452	1.88016	429.66876	238.19724	679.18896	77.96533	87.47681	90.64703	4.04E-07	0.000146	1.94E-05	1.25E-10	3.76E-10	2.97E-10	0	0	0	0	9.608E-10	2.9141E-08	2.34326E-08	1.2736E-10	0	6.35696E-11	0
537	570910.6	4178599 0.55, 41785	4.21414	6.38342	2.32175	555.65098	273.48442	945.27353	124.98504	103.73159	124.24769	4.98E-07	0.000203	2.67E-05	1.54E-10	4.64E-10	3.67E-10	0	0	0	0	1.187E-09	4.0557E-08	3.21198E-08	1.57302E-10	0	7.85144E-11	0
538	570950.6	4178599 0.55, 41785	4.59898	4.54538	2.28746	563.80012	195.03038	769.06119	96.52509	58.5202	125.1466	4.91E-07	0.000165	2.69E-05	1.51E-10	4.57E-10	3.61E-10	0	0	0	0	1.169E-09	3.2997E-08	3.23501E-08	1.5495E-10	0	7.73407E-11	0
539	570990.6	4178599 0.55, 41785	3.82228	3.4158	2.10211	387.45867	157.86758	722.29473	74.93195	45.58999	97.36969	4.51E-07	0.000155	2.09E-05	1.39E-10	4.2E-10	3.32E-10	0	0	0	0	1.074E-09	3.099E-08	2.51698E-08	1.42381E-10	0	7.10671E-11	0
540	571030.6	4178599 0.55, 41785	3.02247	2.69987	1.99871	442.17309	124.03841	776.22539	67.82636	38.72372	97.59907	4.29E-07	0.000167	2.09E-05	1.32E-10	4E-10	3.16E-10	0	0	0	0	1.021E-09	3.3303E-08	2.52286E-08	1.35368E-10	0	6.75663E-11	0
541	571070.6	4178599 0.55, 41785	2.43201	2.20804	1.81695	323.32852	105.96293	523.5768	49.87717	32.54487	75.45431	3.9E-07	0.000112	1.62E-05	1.2E-10	3.63E-10	2.87E-10	0	0	0	0	9.283E-10	2.2464E-08	1.95042E-08	1.23053E-10	0	6.14195E-11	0
542	571110.6	4178599 0.55, 41785	1.9361	1.83698	1.53551	285.52756	89.63178	395.42144	42.26506	28.59229	57.87538	3.29E-07	8.48E-05	1.24E-05	1.02E-10	3.07E-10	2.42E-10	0	0	0	0	7.845E-10	1.6965E-08	1.49605E-08	1.03992E-10	0	5.19055E-11	0
543	571150.6	4178599 0.55, 41785	1.58315	1.55537	1.34493	182.41041	88.91432	301.39134	29.75311	25.20352	37.67392	2.89E-07	6.47E-05	8.08E-06	8.91E-11	2.69E-10	2.12E-10	0	0	0	0	6.871E-10	1.2931E-08	9.73866E-09	9.10835E-11	0	4.54627E-11	0
544	571190.6	4178599 0.55, 41785	1.33739	1.33597	1.20735	189.26194	77.8274	237.13522	24.55337	21.99349	31.52399	2.59E-07	5.09E-05	6.76E-06	7.99E-11	2.41E-10	1.91E-10	0	0	0	0	6.168E-10	1.0175E-08	8.14889E-09	8.17649E-11	0	4.08115E-11	0
545	571230.6	4178599 0.55, 41785	1.14183	1.1549	1.07779	177.02423	70.01737	247.02933	25.42204	18.83046	36.19826	2.31E-07	5.3E-05	7.77E-06	7.14E-11	2.15E-10	1.7E-10	0	0	0	0	5.506E-10	1.0599E-08	9.35698E-09	7.299E-11	0	3.64317E-11	0
546	571270.6	4178599 0.55, 41785	0.97959	1.00523	0.95378	160.46118	68.49541	236.51718	22.92303	16.81937	33.9008	2.05E-07	5.07E-05	7.27E-06	6.32E-11	1.91E-10	1.51E-10	0	0	0	0	4.873E-10	1.0148E-08	8.76304E-09	6.45915E-11	0	3.22397E-11	0
547	571310.6	4178599 0.55, 41785	0.84011	0.87488	0.82502	131.92842	62.86665	193.55215	16.49105	15.16442	24.19402	1.77E-07	4.15E-05	5.19E-06	5.46E-11	1.65E-10	1.3E-10	0	0	0	0	4.215E-10	8.3045E-09	6.25394E-09	5.58718E-11	0	2.78874E-11	0
548	571350.6	4178599 0.55, 41785	0.73896	0.77159	0.73066	149.85158	58.69155	153.82017	22.55392	13.49962	22.49489	1.57E-07	3.3E-05	4.83E-06	4.84E-11	1.46E-10	1.15E-10	0	0	0	0	3.733E-10	6.5999E-09	5.81524E-09	4.94815E-11	0	2.46978E-11	0
549	571390.6	4178599 0.55, 41785	0.661	0.68563	0.66671	168.50279	56.32456	235.09945	24.41155	12.10471	32.40344	1.43E-07	5.04E-05	6.95E-06	4.41E-11	1.33E-10	1.05E-10	0	0	0	0	3.406E-10	1.0087E-08	8.37616E-09	4.51503E-11	0	2.2536E-11	0
550	571430.6	4178599 0.55, 41785	0.59511	0.61204	0.61151	136.17098	51.76249	171.68803	20.03651	10.61326	24.28892	1.31E-07	3.68E-05	5.21E-06	4.05E-11	1.22E-10	9.66E-11	0	0	0	0	3.124E-10	7.3664E-09	6.27871E-09	4.14118E-11	0	2.067E-11	0
551	571470.6	4178599 0.55, 41785	0.53051	0.54561	0.54811	117.9441	47.17442	154.11151	16.84916	9.40387	22.01593	1.18E-07	3.31E-05	4.72E-06	3.63E-11	1.1E-10	8.66E-11	0	0	0	0	2.8E-10	6.6123E-09	5.69105E-09	3.71183E-11	0	1.85269E-11	0
552	571510.6	4178599 0.55, 41785	0.47218	0.48877	0.48576	120.07824	45.51387	145.12306	16.38718	8.49605	19.65912	1.04E-07	3.11E-05	4.22E-06	3.22E-11	9.71E-11	7.67E-11	0	0	0	0	2.482E-10	6.2266E-09	5.08192E-09	3.2896E-11	0	1.64194E-11	0
553	571550.6	4178599 0.55, 41785	0.42043	0.43954	0.43052	119.99429	43.92883	151.34582	16.43506	7.56489	20.5622	9.24E-08	3.25E-05	4.41E-06	2.85E-11	8.61E-11	6.8E-11	0	0	0	0	2.199E-10	6.4936E-09	5.31532E-09	2.91552E-11	0	1.45523E-11	0
554	571590.6	4178599 0.55, 41785	0.37632	0.39688	0.38556	100.33698	42.40478	116.86516	13.86046	7.00095	16.11187	8.27E-08	2.51E-05	3.46E-06	2.55E-11	7.71E-11	6.09E-11	0	0	0	0	1.97E-10	5.0143E-09	4.16498E-09	2.61105E-11	0	1.30326E-11	0
555	570310.6	4178639 0.55, 41786	0.10356	0.08559	0.09711	83.92303	29.66661	96.15389	10.49038	3.70833	12.01924	2.08E-08	2.06E-05	2.58E-06	6.43E-12	1.94E-11	1.53E-11	0	0	0	0	4.961E-11	4.1256E-09	3.10703E-09	6.57617E-12	0	3.28238E-12	0
556	570350.6	4178639 0.55, 41786	0.1161	0.09716	0.10841	92.63397	32.60646	103.66171	11.57925	4.08084	12.95221	2.33E-08	2.22E-05	2.78E-06	7.18E-12	2.17E-11	1.71E-11	0	0	0	0	5.538E-11	4.4458E-09	3.34823E-09	7.34142E-12	0	3.66434E-12	0
557	570390.6	4178639 0.55, 41786	0.13068	0.11086	0.1215	100.54346	34.97331	116.66288	12.56793	4.70976	14.58286	2.61E-08	2.5E-05	3.13E-06	8.04E-12	2.43E-11	1.92E-11	0	0	0	0	6.207E-11	5.0055E-09	3.76972E-09	8.2279E-12	0	4.10681E-12	0
558	570430.6	4178639 0.55, 41786	0.14929	0.12834	0.13819	107.49924	37.52244	130.89362	13.4374	5.36035	16.3617	2.97E-08	2.81E-05	3.51E-06	9.15E-12	2.76E-11	2.18E-11	0	0	0	0	7.06E-11	5.6161E-09	4.22951E-09	9.35817E-12	0	4.67096E-12	0
559	570470.6	4178639 0.55, 41786	0.17443	0.15183	0.16061	116.62505	42.4162	145.19757	14.57813	6.05946	18.1497	3.45E-08	3.11E-05	3.89E-06	1.06E-11	3.21E-11	2.54E-11	0	0	0	0	8.205E-11	6.2298E-09	4.69169E-09	1.08765E-11	0	5.42881E-12	0
560	570510.6	4178639 0.55, 41786	0.20768	0.18277	0.19013	127.00459	48.18252	156.06863	15.87557	6.71257	19.50858	4.08E-08	3.35E-05	4.19E-06	1.26E-11	3.8E-11	3E-11	0	0	0	0	9.713E-11	6.6962E-09	5.04298E-09	1.28756E-11	0	6.42664E-12	0
561	570550.6	4178639 0.55, 41786	0.2504	0.22269	0.22841	148.76746	59.99627	172.72318	18.59593	7.58374	21.5904	4.9E-08	3.71E-05	4.63E-06	1.51E-11	4.57E-11	3.61E-11	0	0	0	0	1.167E-10	7.4109E-09	5.5812E-09	1.5468E-11	0	7.72058E-12	0
562	570590.6	4178639 0.55, 41786	0.30521	0.27478	0.27907	162.38276	69.4472	222.88998	20.29784	10.74133	27.86125	5.99E-08	4.78E-05	5.98E-06	1.85E-11	5.58E-11	4.41E-11	0	0	0	0	1.426E-10	9.5632E-09	7.20198E-09	1.88988E-11	0	9.43298E-12	0
563	570630.6	4178639 0.55, 41786	0.37839	0.34592	0.35098	177.15033	78.68271	266.26636	23.7109	14.16715	33.28329	7.53E-08	5.71E-05	7.14E-06	2.32E-11	7.02E-11	5.54E-11	0	0	0	0	1.793E-10	1.1424E-08	8.6035E-09	2.37686E-11	0	1.18636E-11	0
564	570670.6	4178639 0.55, 41786	0.47152	0.44129	0.44999	194.04584	86.02037	313.51443	27.72083	17.24466	39.1893	9.66E-08	6.73E-05	8.41E-06	2.98E-11	9E-11	7.11E-11	0	0	0	0	2.299E-10	1.3451E-08	1.01302E-08	3.04735E-11	0	1.52103E-11	0
565	570710.6	4178639 0.55, 41786	0.59058	0.57043	0.57865	207.44684	93.90742	372.29223	29.63526	21.88085	53.1846	1.24E-07	7.99E-05	1.14E-05	3.83E-11	1.16E-10	9.14E-11	0	0	0	0	2.956E-10	1.5973E-08	1.37473E-08	3.91864E-11	0	1.95592E-11	0
566	570750.6	4178639 0.55, 41786	0.7421	0.74424	0.7234	219.27007	107.04803	379.32522	31.3243	27.05481	52.15596	1.55E-07	8.14E-05	1.12E-05	4.79E-11	1.45E-10	1.14E-10	0	0	0	0	3.696E-10	1.6275E-08	1.34815E-08	4.89895E-11	0	2.44522E-11	0
567	570790.6	4178639 0.55, 41786	0.94425	0.97087	0.85006	237.37937	117.94026	412.19598	33.01145	30.70173	55.76703	1.82E-07	8.84E-05	1.2E-05	5.63E-11	1.7E-10	1.34E-10	0	0	0	0	4.343E-10	1.7685E-08	1.44149E-08	5.75688E-11	0	2.87344E-11	0
568	570830.6	4178639 0.55, 41786	1.23329	1.33292	0.96284	295.25944	130.22679	473.13116	42.69044	39.99654	61.26658	2.07E-07	0.000101	1.31E-05	6.38E-11	1.93E-10	1.52E-10	0	0	0	0	4.919E-10	2.03E-08	1.58369E-08	6.52108E-11	0	3.25488E-11	0
569	570870.6	4178639 0.55, 41786	1.50989	1.73214	1.20169	317.24906	188.19869	615.93486	58.25942	53.82297	76.99186	2.58E-07	0.000132	1.65E-05	7.96E-11	2.4E-10	1.9E-10	0	0	0	0	6.14E-10	2.6427E-08	1.99021E-08	8.13887E-11	0	4.06237E-11	0
570	570910.6	4178639 0.55, 41786	1.78259	1.99297	1.30656	332.58479	179.86407	638.76492	63.94152	52.98497	79.84561	2.8E-07	0.000137	1.71E-05	8.65E-11	2.61E-10	2.06E-10	0	0	0	0	6.676E-10	2.7406E-08	2.064E-08	8.84935E-11	0	4.41699E-11	0
571	570950.6	4178639 0.55, 41786	1.86524	1.94862	1.2876	326.77204	147.92341	425.10208	57.64661	41.4452	82.66786	2.76E-07	9.12E-05	1.77E-05	8.53E-11	2.57E-10	2.03E-10	0	0	0	0	6.579E-10	1.8239E-08	2.1369E-08	8.72092E-11	0	4.35289E-11	0
572	570990.6	4178639 0.55, 41786	1.76592	1.78245	1.25006	311.73236	122.31574	573.48464	43.80696	33.57582	91.70195	2.68E-07	0.000123	1.97E-05	8.28E-11	2.5E-10	1.97E-10	0	0	0	0	6.387E-10	2.4605E-08	2.37028E-08	8.46647E-11	0	4.22589E-11	0
573	571030.6	4178639 0.55, 41786	1.5977	1.58915	1.17717	263.38378	106.70114	334.97263	40.88022	26.80487	57.79917	2.53E-07	7.19E-05	1.24E-05	7.79E-11	2.35E-10	1.86E-10	0	0	0	0	6.014E-10	1.4372E-08	1.49407E-08	7.97264E-11	0	3.9794E-11	0
574	571070.6	4178639 0.55, 41786	1.42629	1.41473	1.18099	323.91584	92.06505	516.79706	44.84431	24.93328	64.76299	2.53E-07	0.000111	1.39E-05	7.82E-11	2.36E-10	1.87E-10	0	0	0	0	6.034E-10	2.2173E-08	1.67407E-08	7.99818E-11	0	3.99215E-11	0
575	571110.6	4178639 0.55, 41786	1.27265	1.25146	1.07066	231.49813	85.11921	353.08688	34.4516	22.95032	48.16161	2.3E-07	7.57E-05	1.03E-05	7.09E-11	2.14E-10	1.69E-10	0	0	0	0	5.47E-10	1.5149E-08	1.24495E-08	7.25092E-11	0	3.61917E-11	0
576	571150.6	4178639 0.55, 41786	1.10067	1.1079	0.9372	235.36335	78.49538	345.02109	33.92291	20.75102	48.66179	2.01E-07	7.4E-05	1.04E-05	6.21E-11	1.87E-10	1.48E-10	0	0	0	0	4.788E-10	1.4803E-08	1.25787E-08	6.3471E-11	0	3.16804E-11	0
577	571190.6	4178639 0.55, 41786	0.96404	0.98605	0.85109	150.10185	73.9658	197.92558	22.00887	18.66835	28.93746	1.83E-07	4.25E-05	6.21E-06	5.64E-11	1.7E-10	1.34E-10	0	0	0	0	4.348E-10	8.4923E-09	7.48024E-09	5.76388E-11	0	2.87694E-11	0
578	571230.6	4178639 0.55, 41786	0.85847	0.87787	0.78438	130.71922	65.23747	181.52397	20.98447	16.26127	28.21366	1.68E-07	3.89E-05	6.05E-06	5.19E-11	1.57E-10	1.24E-10	0	0	0	0	4.007E-10	7.7885E-09	7.2931E-09	5.31204E-11	0	2.65141E-11	0
579	571270.6	4178639 0.55, 41786	0.76521	0.78388	0.72231	147.71702	61.52416	210.17535	22.46264	14.29709	35.02922	1.55E-07	4.51E-05	7.52E-06	4.78E-11	1.44E-10	1.14E-10	0	0	0	0	3.69E-10	9.0177E-09	9.05464E-09	4.89164E-11	0	2.44157E-11	0
580	571310.6	4178639 0.55, 41786	0.67814	0.70066	0.65218	136.41117	59.8434	199.34802	17.34958	13.40052	24.9185	1.4E-07	4.28E-05	5.35E-06	4.32E-11	1.3E-10	1.03E-10	0	0	0	0	3.332E-10	8.5531E-09	6.44123E-09	4.41669E-11	0	2.20451E-11	0
581	571350.6	4178639 0.55, 41786	0.60279	0.6273	0.58324	124.67819	56.4143	162.56927	15.58477	12.33978	20.32116	1.25E-07	3.49E-05	4.36E-06	3.86E-11	1.17E-10	9.21E-11	0	0	0	0	2.98E-10	6.9752E-09	5.25296E-09	3.94982E-11	0	1.97148E-11	0
582	571390.6	4178639 0.55, 41786	0.54567	0.56561	0.53406	134.64293	53.30447	146.45838	19.4501	11.04071	20.47738	1.15E-07	3.14E-05	4.39E-06	3.54E-11	1.07E-10	8.43E-11	0	0	0	0	2.728E-10	6.284E-09	5.29361E-09	3.61674E-11	0	1.80523E-11	0
583	571430.6	4178639 0.55, 41786	0.50035	0.51255	0.49968	147.79016	50.85435	197.85336	20.77571	9.97795	26.64502	1.07E-07	4.24E-05	5.72E-06	3.31E-11	9.99E-11	7.89E-11	0	0	0	0	2.553E-10	8.4889E-09	6.88768E-09	3.38389E-11	0	1.68901E-11	0
584	571470.6	4178639 0.55, 41786	0.45884	0.46513	0.46599	118.76181	47.03177	145.5886	16.94782	8.9119	19.9832	1E-07	3.12E-05	4.29E-06	3.09E-11	9.32E-11	7.36E-11	0	0	0	0	2.381E-10	6.2466E-09	5.16571E-09	3.15571E-11	0	1.57512E-11	0
585	571510.6	4178639 0.55, 41786	0.41516	0.4204	0.42431	105.04191	43.02213	132.76114	15.00599	7.61313	18.96588	9.1E-08	2.85E-05	4.07E-06	2.81E-11	8.48E-11	6.7E-11	0	0	0	0	2.168E-10	5.6962E-09	4.90266E-09	2.87345E-11	0	1.43423E-11	0
586	571550.6	4178639 0.55, 41786	0.37489	0.38245	0.3824	101.59712	41.64808	125.74417	13.25702	7.0054	15.71802	8.21E-08	2.7E-05	3.37E-06	2.53E-11	7.64E-11	6.04E-11	0	0	0	0	1.954E-10	5.3952E-09	4.06315E-09	2.58964E-11	0	1.29257E-11	0
587	571590.6	4178639 0.55, 41786	0.33863	0.34937	0.34405	106.83121	40.48294	130.44071	14.45913	6.53587	17.55635	7.38E-08	2.8E-05	3.77E-06	2.28E-11	6.88E-11	5.43E-11	0	0	0	0	1.758E-10	5.5967E-09	4.53834E-09	2.32994E-11	0	1.16295E-11	0
588	570310.6	4178679 0.55, 41786	0.10291	0.0869	0.09701	88.39628	30.98258	103.31105	11.04953	4.21243	12.91388	2.08E-08	2.22E-05	2.77E-06	6.42E-12	1.94E-11	1.53E-11	0	0	0	0	4.956E-11	4.4326E-09	3.33828E-09	6.56942E-12	0	3.27901E-12	0
589	570350.6	4178679 0.55, 41786	0.11574	0.09888	0.10892	93.23081	33.32166	112.3331	11.65385	4.76024	14.04164	2.34E-08	2.41E-05	3.01E-06	7.21E-12	2.18E-11	1.72E-11	0	0	0	0	5.564E-11	4.8197E-09	3.62979E-09	7.37598E-12	0	3.68159E-12	0
590	570390.6	4178679 0.55, 41786	0.13137	0.11361	0.12342	99.39798	36.831	119.21549	12.42475	5.26157	14.90194	2.65E-08	2.56E-05	3.2E-06	8.17E-12	2.47E-11	1.95E-11	0	0	0	0	6.305E-11	5.115E-09	3.85218E-09	8.35793E-12	0	4.17171E-12	0
591	570430.6	4178679 0.55, 41786	0.15074	0.13191	0.14135	105.99103	39.73692	126.723	13.24888	5.6767	15.84037	3.03E-08	2.72E-05	3.4E-06	9.36E-12	2.83E-11	2.23E-11	0	0	0	0	7.221E-11	5.4372E-09	4.09477E-09	9.57217E-12	0	4.77778E-12	0
592	570470.6	4178679 0.55, 41786	0.17494	0.15487	0.16378	121.69462	47.75873	135.7735	15.21183	5.96984	16.97169	3.51E-08	2.91E-05	3.64E-06	1.08E-11	3.27E-11	2.59E-11	0	0	0	0	8.367E-11	5.8255E-09	4.38729E-09	1.10912E-11	0	5.53595E-12	0
593	570510.6	4178679 0.55, 41786	0.2057	0.18414	0.19253	135.37794	56.46386	170.3708	16.92224	7.12807	21.29635	4.13E-08	3.65E-05	4.57E-06	1.27E-11	3.85E-11	3.04E-11	0	0	0	0	9.836E-11	7.3099E-09	5.50509E-09	1.30381E-11	0	6.50775E-12	0
594	570550.6	4178679 0.55, 41786	0.2434	0.22078	0.22908	142.10791	62.60325	200.29273	17.76349	9.55219	25.03659	4.92E-08	4.3E-05	5.37E-06	1.52E-11	4.58E-11	3.62E-11	0	0	0	0	1.17E-10	8.5937E-09	6.47178E-09	1.55133E-11	0	7.7432E-12	0
595	570590.6	4178679 0.55, 41786	0.29132	0.2684	0.27784	157.44437	70.02377	210.9671	21.20731	12.01595	26.37089	5.96E-08	4.53E-05	5.66E-06	1.84E-11	5.55E-11	4.39E-11	0	0	0	0	1.419E-10	9.0517E-09	6.81687E-09	1.88154E-11	0	9.39135E-12	0
596	570630.6	4178679 0.55, 41786	0.34871	0.32823	0.33909	170.78411	74.6949	263.98396	24.39773	14.09383	33.40233	7.28E-08	5.66E-05	7.17E-06	2.25E-11	6.78E-11	5.35E-11	0	0	0	0	1.732E-10	1.1326E-08	8.63432E-09	2.29632E-11	0	1.14617E-11	0
597	570670.6	4178679 0.55, 41786	0.41782	0.40379	0.41108	181.29369	80.27499	295.25985	25.8991	15.99045	42.12286	8.82E-08	6.33E-05	9.04E-06	2.72E-11	8.22E-11	6.49E-11	0	0	0	0	2.1E-10	1.2668E-08	1.08882E-08	2.78385E-11	0	1.38951E-11	0
598	570710.6	4178679 0.55, 41786	0.49876	0.49687	0.48618	185.88712	90.92914	287.65142	26.5553	19.21501	39.31628	1.04E-07	6.17E-05	8.44E-06	3.22E-11	9.72E-11	7.68E-11	0	0	0	0	2.484E-10	1.2342E-08	1.01629E-08	3.29246E-11	0	1.64337E-11	0
599	570750.6	4178679 0.55, 41786	0.59336	0.60818	0.55751	195.07014	97.11431	330.72411	27.40212	20.89244	45.57898	1.2E-07	7.09E-05	9.78E-06	3.69E-11	1.11E-10	8.8E-11	0	0	0	0	2.848E-10	1.419E-08	1.17815E-08	3.77559E-11	0	1.88452E-11	0
600	570790.6	4178679 0.55, 41786	0.71288	0.74367	0.61675	232.56486	100.08812	327.08033	29.70634	25.09865	40.88504	1.32E-07	7.02E-05	8.77E-06	4.08E-11	1.23E-10	9.74E-11	0	0	0	0	3.151E-10	1.4034E-08	1.05685E-08	4.1769E-11	0	2.08482E-11	0
601	570830.6	4178679 0.55, 41786	0.82835	0.8948	0.66469	250.25968	113.32691	367.70207	36.36599	33.16876	46.21837	1.43E-07	7.89E-05	9.92E-06	4.4E-11	1.33E-10	1.05E-10	0	0	0	0	3.396E-10	1.5776E-08	1.19474E-08	4.50174E-11	0	2.24696E-11	0
602	570870.6	4178679 0.55, 41786	0.92801	1.04065	0.83445	269.45277	158.88347	492.55659	39.41339	35.15016	62.53118	1.79E-07	0.000106	1.34E-05	5.53E-11	1.67E-10	1.32E-10	0	0	0	0	4.263E-10	2.1133E-08	1.61635E-08	5.65131E-11	0	2.82075E-11	0
603	570910.6	4178679 0.55, 41786	1.03394	1.13081	0.83809	259.70616	144.93426	471.11442	42.20689	35.5523	58.8893	1.8E-07	0.000101	1.26E-05	5.55E-11	1.68E-10	1.32E-10	0	0	0	0	4.282E-10	2.0213E-08	1.52225E-08	5.67613E-11	0	2.83314E-11	0
604	570950.6	4178679 0.55, 41786	1.05684	1.13643	0.82319	242.80014	123.49716	418.67106	39.92153	30.15323	58.18912	1.77E-07	8.98E-05	1.25E-05	5.45E-11	1.65E-10	1.3E-10	0	0	0	0	4.206E-10	1.7963E-08	1.50414E-08	5.57526E-11	0	2.78279E-11	0
605	570990.6	4178679 0.55, 41786	1.01802	1.09421	0.82722	255.86386	105.93706	407.98363	37.15781	26.85338	67.99727	1.78E-07	8.75E-05	1.46E-05	5.48E-11	1.65E-10	1.31E-10	0	0	0	0	4.226E-10	1.7505E-08	1.7576E-08	5.60247E-11	0	2.79637E-11	0
606	571030.6	4178679 0.55, 41786	0.98373	1.03259	0.8073	224.24787	96.85684	406.17161	32.03518	21.71644	50.77145	1.73E-07	8.71E-05	1.09E-05	5.35E-11	1.61E-10	1.27E-10	0	0	0	0	4.125E-10	1.7427E-08	1.31238E-08	5.4675E-11	0	2.729E-11	0
607	571070.6	4178679 0.55, 41786	0.92088	0.95493	0.77727	234.21131	81.25508	306.97474	29.84103	18.74017	38.37184	1.67E-07	6.59E-05	8.23E-06	5.15E-11	1.55E-10	1.23E-10	0	0	0	0	3.971E-10	1.3171E-08	9.91904E-09	5.26405E-11	0	2.62745E-11	0
608	571110.6	4178679 0.55, 41786	0.85296	0.87816	0.75636	249.82687	76.90023	376.11255	32.83771	18.41049	47.06858	1.62E-07	8.07E-05	1.01E-05	5.01E-11	1.51E-10	1.19E-10	0	0	0	0	3.864E-10	1.6137E-08	1.21669E-08	5.12234E-11	0	2.55672E-11	0
609	571150.6	4178679 0.55, 41786	0.78449	0.80428	0.7091	184.12399	71.8753	265.86204	26.94504	17.68151	37.98029	1.52E-07	5.7E-05	8.15E-06	4.7E-11	1.42E-10	1.12E-10	0	0	0	0	3.623E-10	1.1407E-08	9.81764E-09	4.80224E-11	0	2.39695E-11	0
610	571190.6	4178679 0.55, 41786	0.70872	0.73542	0.64227	192.12547	69.23049	267.93218	27.25383	16.04767	37.1098	1.38E-07	5.75E-05	7.96E-06	4.25E-11	1.28E-10	1.01E-10	0	0	0	0	3.281E-10	1.1496E-08	9.59269E-09	4.34966E-11	0	2.17106E-11	0
611	571230.6	4178679 0.55, 41786	0.64141	0.6715	0.58509	152.95792	62.82263	210.7281	21.78847	14.44714	29.62503	1.26E-07	4.52E-05	6.36E-06	3.87E-11	1.17E-10	9.24E-11	0	0	0	0	2.989E-10	9.0414E-09	7.65792E-09	3.96242E-11	0	1.97777E-11	0
612	571270.6	4178679 0.55, 41786	0.5854	0.61191	0.54631	124.65244	57.66905	171.62004	20.54509	12.75642	28.60334	1.17E-07	3.68E-05	6.14E-06	3.62E-11	1.09E-10	8.63E-11	0	0	0	0	2.791E-10	7.3635E-09	7.39378E-09	3.69976E-11	0	1.84667E-11	0
613	571310.6	4178679 0.55, 41786	0.53447	0.5582	0.50849	125.80787	55.1913	171.33448	17.97255	11.70277	24.47635	1.09E-07	3.68E-05	5.25E-06	3.37E-11	1.02E-10	8.03E-11	0	0	0	0	2.598E-10	7.3512E-09	6.32701E-09	3.44362E-11	0	1.71882E-11	0
614	571350.6	4178679 0.55, 41786	0.48504	0.50906	0.46427	111.39997	53.56601	157.83086	13.925	11.19981	19.72886	9.96E-08	3.39E-05	4.23E-06	3.07E-11	9.28E-11	7.33E-11	0	0	0	0	2.372E-10	6.7719E-09	5.09977E-09	3.14415E-11	0	1.56934E-11	0
615	571390.6	4178679 0.55, 41786	0.44312	0.4655	0.42576	107.51836	51.27371	117.14548	13.43979	10.40254	14.64318	9.14E-08	2.51E-05	3.14E-06	2.82E-11	8.51E-11	6.72E-11	0	0	0	0	2.175E-10	5.0264E-09	3.78538E-09	2.88334E-11	0	1.43917E-11	0
616	571430.6	4178679 0.55, 41786	0.41031	0.42684	0.39928	122.12368	48.88835	136.65658	17.23844	9.36082	18.91196	8.57E-08	2.93E-05	4.06E-06	2.64E-11	7.98E-11	6.31E-11	0	0	0	0	2.04E-10	5.8634E-09	4.88888E-09	2.704E-11	0	1.34965E-11	0
617	571470.6	4178679 0.55, 41786	0.38401	0.39267	0.38101	130.83453	46.56818	169.29762	18.03085	8.50414	22.62935	8.18E-08	3.63E-05	4.86E-06	2.52E-11	7.62E-11	6.02E-11	0	0	0	0	1.946E-10	7.2638E-09	5.84967E-09	2.58024E-11	0	1.28788E-11	0
618	571510.6	4178679 0.55, 41786	0.35733	0.36026	0.36021	104.69184	43.30646	125.50481	14.57371	7.68103	16.95061	7.73E-08	2.69E-05	3.64E-06	2.38E-11	7.2E-11	5.69E-11	0	0	0	0	1.84E-10	5.3849E-09	4.38179E-09	2.43937E-11	0	1.21757E-11	0
619	571550.6	4178679 0.55, 41786	0.32923	0.33046	0.33426	93.91251	40.06683	115.0705	13.41607	6.60436	16.43864	7.17E-08	2.47E-05	3.53E-06	2.21E-11	6.68E-11	5.28E-11	0	0	0	0	1.708E-10	4.9372E-09	4.2494E-09	2.26362E-11	0	1.12985E-11	0
620	571590.6	4178679 0.55, 41786	0.30119	0.30402	0.3057	90.51235	37.8645	108.48539	11.49242	5.95997	13.56067	6.56E-08	2.33E-05	2.91E-06	2.02E-11	6.11E-11	4.83E-11	0	0	0	0	1.562E-10	4.6547E-09	3.50547E-09	2.07022E-11	0	1.03331E-11	0
621	570310.6	4178719 0.55, 41787	0.10285	0.08839	0.09803	86.08959	31.99227	98.88317	10.7612	4.57032	12.3604	2.1E-08	2.12E-05	2.65E-06	6.49E-12	1.96E-11	1.55E-11	0	0	0	0	5.008E-11	4.2427E-09	3.19522E-09	6.6385E-12	0	3.31349E-12	0
622	570350.6	4178719 0.55, 41787	0.11563	0.10049	0.11012	90.6137	34.18211	105.82439	11.32671	4.88316	13.22805	2.36E-08	2.27E-05	2.84E-06	7.29E-12	2.2E-11	1.74E-11	0	0	0	0	5.626E-11	4.5405E-09	3.4195E-09	7.45725E-12	0	3.72215E-12	0
623	570390.6	4178719 0.55, 41787	0.13114	0.11521	0.12472	102.01088	38.97546	110.90458	12.75136	5.08393	13.86307	2.68E-08	2.38E-05	2.97E-06	8.26E-12	2.49E-11	1.97E-11	0	0	0	0	6.371E-11	4.7585E-09	3.58371E-09	8.44597E-12	0	4.21565E-12	0
624	570430.6	4178719 0.55, 41787	0.15	0.13322	0.1425	114.28488	46.41789	135.81295	14.28561	5.80224	16.97662	3.06E-08	2.91E-05	3.64E-06	9.43E-12	2.85E-11	2.25E-11	0	0	0	0	7.28E-11	5.8272E-09	4.3885E-09	9.65005E-12	0	4.81665E-12	0
625	570470.6	4178719 0.55, 41787	0.17288	0.1553	0.16447	122.16306	52.59309	158.80652	15.27038	6.67803	19.85082	3.53E-08	3.41E-05	4.26E-06	1.09E-11	3.29E-11	2.6E-11	0	0	0	0	8.402E-11	6.8137E-09	5.13138E-09	1.11379E-11	0	5.55927E-12	0
626	570510.6	4178719 0.55, 41787	0.1999	0.18201	0.19124	126.87173	56.8638	170.00598	15.85897	8.56143	21.25075	4.1E-08	3.65E-05	4.56E-06	1.27E-11	3.82E-11	3.02E-11	0	0	0	0	9.77E-11	7.2943E-09	5.49323E-09	1.29508E-11	0	6.46414E-12	0
627	570550.6	4178719 0.55, 41787	0.2328	0.21534	0.22528	141.7684	62.68438	190.3461	19.27806	10.36338	23.79326	4.83E-08	4.08E-05	5.1E-06	1.49E-11	4.5E-11	3.56E-11	0	0	0	0	1.151E-10	8.167E-09	6.15056E-09	1.5256E-11	0	7.61474E-12	0
628	570590.6	4178719 0.55, 41787	0.2704	0.25529	0.2651	152.6333	65.86327	220.26265	21.80476	11.76563	29.62209	5.69E-08	4.73E-05	6.36E-06	1.76E-11	5.3E-11	4.19E-11	0	0	0	0	1.354E-10	9.4505E-09	7.65716E-09	1.79526E-11	0	8.96071E-12	0
629	570630.6	4178719 0.55, 41787	0.31352	0.30328	0.30884	160.25221	70.5161	243.59554	22.89317	12.52474	34.32359	6.63E-08	5.23E-05	7.36E-06	2.04E-11	6.17E-11	4.88E-11	0	0	0	0	1.578E-10	1.0452E-08	8.8723E-09	2.09148E-11	0	1.04392E-11	0
630	570670.6	4178719 0.55, 41787	0.36149	0.3594	0.35242	159.13882	79.23774	228.99362	22.73412	14.05012	31.24302	7.56E-08	4.91E-05	6.7E-06	2.33E-11	7.05E-11	5.57E-11	0	0	0	0	1.8E-10	9.8252E-09	8.07614E-09	2.38662E-11	0	1.19124E-11	0
631	570710.6	4178719 0.55, 41787	0.41184	0.42167	0.39325	168.39934	82.78202	268.08178	23.84947	15.22445	37.49142	8.44E-08	5.75E-05	8.04E-06	2.6E-11	7.86E-11	6.21E-11	0	0	0	0	2.009E-10	1.1502E-08	9.69107E-09	2.66317E-11	0	1.32927E-11	0
632	570750.6	4178719 0.55, 41787	0.46631	0.48852	0.43046	193.26616	81.97611	266.60906	24.83922	16.78199	33.32613	9.24E-08	5.72E-05	7.15E-06	2.85E-11	8.61E-11	6.8E-11	0	0	0	0	2.199E-10	1.1439E-08	8.61466E-09	2.91521E-11	0	1.45507E-11	0
633	570790.6	4178719 0.55, 41787	0.5297	0.5627	0.45402	208.56721	92.88706	267.98327	26.09236	23.00092	33.50993	9.74E-08	5.75E-05	7.19E-06	3.01E-11	9.08E-11	7.17E-11	0	0	0	0	2.32E-10	1.1498E-08	8.66225E-09	3.07485E-11	0	1.53476E-11	0
634	570830.6	4178719 0.55, 41787	0.58417	0.63922	0.49731	206.25232	102.59816	258.13483	28.9378	25.69667	32.26685	1.07E-07	5.54E-05	6.92E-06	3.29E-11	9.94E-11	7.85E-11	0	0	0	0	2.541E-10	1.1076E-08	8.34118E-09	3.36807E-11	0	1.68111E-11	0
635	570870.6	4178719 0.55, 41787	0.63384	0.71183	0.60618	208.40577	136.85909	408.7133	28.70976	24.7437	51.08916	1.3E-07	8.77E-05	1.1E-05	4.01E-11	1.21E-10	9.57E-11	0	0	0	0	3.097E-10	1.7536E-08	1.32057E-08	4.10527E-11	0	2.04907E-11	0
636	570910.6	4178719 0.55, 41787	0.68401	0.75343	0.58123	211.07044	124.31957	366.90455	30.70854	25.49482	45.86307	1.25E-07	7.87E-05	9.84E-06	3.85E-11	1.16E-10	9.18E-11	0	0	0	0	2.97E-10	1.5742E-08	1.18552E-08	3.93643E-11	0	1.9648E-11	0
637	570950.6	4178719 0.55, 41787	0.69007	0.76497	0.57081	207.10313	108.18225	376.87466	30.79195	24.65468	47.10933	1.22E-07	8.08E-05	1.01E-05	3.78E-11	1.14E-10	9.01E-11	0	0	0	0	2.916E-10	1.617E-08	1.21772E-08	3.86591E-11	0	1.9296E-11	0
638	570990.6	4178719 0.55, 41787	0.68048	0.74999	0.58632	206.58356	95.47159	294.44278	32.17827	21.60129	36.80535	1.26E-07	6.32E-05	7.9E-06	3.88E-11	1.17E-10	9.26E-11	0	0	0	0	2.996E-10	1.2633E-08	9.51436E-09	3.97089E-11	0	1.982E-11	0
639	571030.6	4178719 0.55, 41787	0.66194	0.72353	0.59736	210.3532	86.11281	328.15995	30.372	18.42489	51.15716	1.28E-07	7.04E-05	1.1E-05	3.96E-11	1.19E-10	9.43E-11	0	0	0	0	3.052E-10	1.408E-08	1.32233E-08	4.04558E-11	0	2.01928E-11	0
640	571070.6	4178719 0.55, 41787	0.64029	0.68839	0.56269	181.70859	76.31707	252.84162	22.73215	15.52213	31.6052	1.21E-07	5.42E-05	6.78E-06	3.73E-11	1.12E-10	8.89E-11	0	0	0	0	2.875E-10	1.0848E-08	8.16975E-09	3.8108E-11	0	1.90209E-11	0
641	571110.6	4178719 0.55, 41787	0.60626	0.64543	0.53034	207.95149	70.27092	268.27126	26.16426	14.32632	33.53391	1.14E-07	5.76E-05	7.19E-06	3.51E-11	1.06E-10	8.38E-11	0	0	0	0	2.71E-10	1.151E-08	8.66845E-09	3.5917E-11	0	1.79273E-11	0
642	571150.6	4178719 0.55, 41787	0.57256	0.60327	0.52806	200.64391	66.12781	289.68563	25.68735	14.52342	36.23202	1.13E-07	6.21E-05	7.77E-06	3.5E-11	1.06E-10	8.34E-11	0	0	0	0	2.698E-10	1.2429E-08	9.36572E-09	3.57619E-11	0	1.78499E-11	0
643	571190.6	4178719 0.55, 41787	0.53842	0.56251	0.50995	154.3512	63.9477	213.38711	22.19645	14.00077	30.48387	1.09E-07	4.58E-05	6.54E-06	3.38E-11	1.02E-10	8.05E-11	0	0	0	0	2.605E-10	9.1555E-09	7.87991E-09	3.45351E-11	0	1.72376E-11	0
644	571230.6	4178719 0.55, 41787	0.49735	0.52247	0.4676	159.72675	60.41971	199.28282	22.34048	12.75874	27.30767	1E-07	4.28E-05	5.86E-06	3.1E-11	9.35E-11	7.38E-11	0	0	0	0	2.389E-10	8.5504E-09	7.05905E-09	3.16671E-11	0	1.58061E-11	0
645	571270.6	4178719 0.55, 41787	0.45612	0.4836	0.42898	144.14128	55.22387	195.55309	20.17616	11.51496	26.9261	9.2E-08	4.2E-05	5.78E-06	2.84E-11	8.58E-11	6.77E-11	0	0	0	0	2.192E-10	8.3903E-09	6.96028E-09	2.90518E-11	0	1.45007E-11	0
646	571310.6	4178719 0.55, 41787	0.42006	0.44717	0.39945	118.44349	52.26024	154.81704	17.97136	10.56882	25.80284	8.57E-08	3.32E-05	5.54E-06	2.64E-11	7.99E-11	6.31E-11	0	0	0	0	2.041E-10	6.6426E-09	6.66983E-09	2.70518E-11	0	1.35024E-11	0
647	571350.6	4178719 0.55, 41787	0.38785	0.41385	0.37184	109.17018	50.24459	147.83356	14.07795	10.0186	18.4792	7.98E-08	3.17E-05	3.96E-06	2.46E-11	7.43E-11	5.87E-11	0	0	0	0	1.9E-10	6.3429E-09	4.77681E-09	2.5182E-11	0	1.25691E-11	0
648	571390.6	4178719 0.55, 41787	0.35875	0.38356	0.34391	87.70597	48.80309	113.13015	10.96325	9.64341	14.14127	7.38E-08	2.43E-05	3.03E-06	2.28E-11	6.88E-11	5.43E-11	0	0	0	0	1.757E-10	4.8541E-09	3.65549E-09	2.32905E-11	0	1.1625E-11	0
649	571430.6	4178719 0.55, 41787	0.33385	0.35563	0.32061	80.9107	47.09106	69.47289	11.59229	8.99084	10.76512	6.88E-08	1.49E-05	2.31E-06	2.12E-11	6.41E-11	5.06E-11	0	0	0	0	1.638E-10	2.9811E-09	2.78299E-09	2.17125E-11	0	1.08374E-11	0
650	571470.6	4178719 0.55, 41787	0.31507	0.33052	0.30587	111.40642	45.19171	126.48359	15.57659	8.16367	17.53078	6.56E-08	2.71E-05	3.76E-06	2.03E-11	6.11E-11	4.83E-11	0	0	0	0	1.563E-10	5.4269E-09	4.53181E-09	2.07141E-11	0	1.03391E-11	0
651	571510.6	4178719 0.55, 41787	0.29891	0.30701	0.29518	116.70467	43.07153	146.87884	15.95519	7.46065	19.6972	6.33E-08	3.15E-05	4.23E-06	1.95E-11	5.9E-11	4.66E-11	0	0	0	0	1.508E-10	6.3019E-09	5.09173E-09	1.999E-11	0	9.97764E-12	0
652	571550.6	4178719 0.55, 41787	0.28299	0.28542	0.28355	93.20798	40.2806	109.70993	12.81909	6.80365	14.78577	6.08E-08	2.35E-05	3.17E-06	1.88E-11	5.67E-11	4.48E-11	0	0	0	0	1.449E-10	4.7073E-09	3.82218E-09	1.92022E-11	0	9.58444E-12	0
653	571590.6	4178719 0.55, 41787	0.2649	0.26495	0.26753	84.18961	37.57199	100.50298	12.02709	5.93847	14.35757	5.74E-08	2.16E-05	3.08E-06	1.77E-11	5.35E-11	4.22E-11	0	0	0	0	1.367E-10	4.3122E-09	3.71146E-09	1.81173E-11	0	9.0429E-12	0
654	570310.6	4178759 0.55, 41787	0.10291	0.08971	0.0989	86.89901	32.22927	93.76167	10.86238	4.40505	11.72021	2.12E-08	2.01E-05	2.51E-06	6.55E-12	1.98E-11	1.56E-11	0	0	0	0	5.052E-11	4.023E-09	3.02977E-09	6.69743E-12	0	3.3429E-12	0
655	570350.6	4178759 0.55, 41787	0.11544	0.10167	0.11074	97.89636	38.6449	111.66772	12.23704	4.83061	13.95846	2.38E-08	2.4E-05	2.99E-06	7.33E-12	2.21E-11	1.75E-11	0	0	0	0	5.657E-11	4.7912E-09	3.60833E-09	7.49924E-12	0	3.74311E-12	0
656	570390.6	4178759 0.55, 41787	0.13027	0.11595	0.12485	105.67733	44.34348	129.76492	13.20967	5.54293	16.22061	2.68E-08	2.78E-05	3.48E-06	8.27E-12	2.5E-11	1.97E-11	0	0	0	0	6.378E-11	5.5677E-09	4.19303E-09	8.45478E-12	0	4.22005E-12	0
657	570430.6	4178759 0.55, 41787	0.14773	0.133	0.14184	109.21499	48.49986	141.11126	13.65187	6.24447	17.63891	3.04E-08	3.03E-05	3.78E-06	9.39E-12	2.84E-11	2.24E-11	0	0	0	0	7.246E-11	6.0545E-09	4.55962E-09	9.60536E-12	0	4.79434E-12	0
658	570470.6	4178759 0.55, 41787	0.16767	0.15301	0.16202	117.79795	52.53636	140.35154	14.72474	7.71399	17.54394	3.48E-08	3.01E-05	3.76E-06	1.07E-11	3.24E-11	2.56E-11	0	0	0	0	8.277E-11	6.022E-09	4.53515E-09	1.0972E-11	0	5.47646E-12	0
659	570510.6	4178759 0.55, 41787	0.191	0.17712	0.1864	128.29828	56.17436	171.94141	17.6792	9.03197	21.49268	4E-08	3.69E-05	4.61E-06	1.23E-11	3.73E-11	2.94E-11	0	0	0	0	9.523E-11	7.3773E-09	5.55588E-09	1.2623E-11	0	6.30053E-12	0
660	570550.6	4178759 0.55, 41787	0.21672	0.20498	0.21341	137.63049	58.52483	184.29573	19.6615	9.95092	26.17497	4.58E-08	3.95E-05	5.62E-06	1.41E-11	4.27E-11	3.37E-11	0	0	0	0	1.09E-10	7.9073E-09	6.76612E-09	1.44521E-11	0	7.21352E-12	0
661	570590.6	4178759 0.55, 41787	0.24504	0.23724	0.24166	142.23889	62.68425	205.21483	20.31984	10.25836	28.57469	5.19E-08	4.4E-05	6.13E-06	1.6E-11	4.83E-11	3.82E-11	0	0	0	0	1.235E-10	8.8049E-09	7.38636E-09	1.63653E-11	0	8.16845E-12	0
662	570630.6	4178759 0.55, 41787	0.27554	0.27375	0.26892	139.19636	70.02218	188.40794	19.61007	11.07526	25.7042	5.77E-08	4.04E-05	5.51E-06	1.78E-11	5.38E-11	4.25E-11	0	0	0	0	1.374E-10	8.0839E-09	6.64445E-09	1.82115E-11	0	9.08996E-12	0
663	570670.6	4178759 0.55, 41787	0.30614	0.31293	0.29402	149.31547	72.47289	221.2081	21.10931	12.07881	31.37185	6.31E-08	4.75E-05	6.73E-06	1.95E-11	5.88E-11	4.64E-11	0	0	0	0	1.502E-10	9.4911E-09	8.10932E-09	1.99116E-11	0	9.9385E-12	0
664	570710.6	4178759 0.55, 41787	0.33494	0.35231	0.31792	164.794	71.08708	213.69891	21.55176	13.08376	26.71236	6.82E-08	4.58E-05	5.73E-06	2.11E-11	6.36E-11	5.02E-11	0	0	0	0	1.624E-10	9.1689E-09	6.90514E-09	2.15304E-11	0	1.07465E-11	0
665	570750.6	4178759 0.55, 41787	0.36674	0.3924	0.33661	179.38877	78.60477	216.64393	22.4236	16.36841	27.08049	7.22E-08	4.65E-05	5.81E-06	2.23E-11	6.73E-11	5.32E-11	0	0	0	0	1.72E-10	9.2954E-09	7.00034E-09	2.27964E-11	0	1.13784E-11	0
666	570790.6	4178759 0.55, 41787	0.40357	0.43625	0.34677	166.36606	82.34558	242.62848	21.7564	19.87746	30.35713	7.44E-08	5.21E-05	6.51E-06	2.3E-11	6.93E-11	5.48E-11	0	0	0	0	1.772E-10	1.041E-08	7.84712E-09	2.34851E-11	0	1.17222E-11	0
667	570830.6	4178759 0.55, 41787	0.43354	0.48203	0.39259	188.6599	98.62945	246.30784	24.95504	19.43466	30.78848	8.42E-08	5.28E-05	6.61E-06	2.6E-11	7.85E-11	6.2E-11	0	0	0	0	2.006E-10	1.0568E-08	7.95883E-09	2.6588E-11	0	1.32709E-11	0
668	570870.6	4178759 0.55, 41787	0.46387	0.52331	0.45582	172.12292	120.25167	329.63715	21.51536	18.67269	41.20464	9.78E-08	7.07E-05	8.84E-06	3.02E-11	9.11E-11	7.2E-11	0	0	0	0	2.329E-10	1.4143E-08	1.06506E-08	3.08696E-11	0	1.5408E-11	0
669	570910.6	4178759 0.55, 41787	0.49085	0.54778	0.42691	176.15826	108.72169	296.15879	23.43896	19.655	37.01985	9.16E-08	6.35E-05	7.94E-06	2.83E-11	8.54E-11	6.74E-11	0	0	0	0	2.181E-10	1.2707E-08	9.56917E-09	2.89128E-11	0	1.44313E-11	0
670	570950.6	4178759 0.55, 41787	0.48762	0.55475	0.41816	180.46301	97.04885	324.78811	24.36206	20.46933	40.59851	8.97E-08	6.97E-05	8.71E-06	2.77E-11	8.36E-11	6.6E-11	0	0	0	0	2.136E-10	1.3935E-08	1.04941E-08	2.83205E-11	0	1.41357E-11	0
671	570990.6	4178759 0.55, 41787	0.49051	0.55159	0.43765	151.29384	87.28492	222.11928	25.20532	17.38113	28.62893	9.39E-08	4.77E-05	6.14E-06	2.9E-11	8.75E-11	6.91E-11	0	0	0	0	2.236E-10	9.5304E-09	7.40073E-09	2.96399E-11	0	1.47942E-11	0
672	571030.6	4178759 0.55, 41787	0.48428	0.53663	0.45626	187.58168	78.86438	272.43541	28.06386	15.68835	45.4059	9.79E-08	5.84E-05	9.74E-06	3.02E-11	9.12E-11	7.21E-11	0	0	0	0	2.331E-10	1.1689E-08	1.17368E-08	3.08996E-11	0	1.5423E-11	0
673	571070.6	4178759 0.55, 41787	0.467	0.51625	0.43604	163.79974	72.83551	258.94072	22.54296	13.46245	32.36759	9.36E-08	5.55E-05	6.94E-06	2.89E-11	8.72E-11	6.89E-11	0	0	0	0	2.228E-10	1.111E-08	8.36677E-09	2.95303E-11	0	1.47395E-11	0
674	571110.6	4178759 0.55, 41787	0.44755	0.4933	0.39624	157.0432	65.36033	149.25903	19.63651	11.35189	22.10234	8.5E-08	3.2E-05	4.74E-06	2.62E-11	7.92E-11	6.26E-11	0	0	0	0	2.024E-10	6.4043E-09	5.71358E-09	2.68353E-11	0	1.33944E-11	0
675	571150.6	4178759 0.55, 41787	0.4302	0.46818	0.38775	183.98767	62.14189	232.46693	23.05685	11.54043	29.05837	8.32E-08	4.99E-05	6.23E-06	2.57E-11	7.75E-11	6.12E-11	0	0	0	0	1.981E-10	9.9741E-09	7.51156E-09	2.62601E-11	0	1.31073E-11	0
676	571190.6	4178759 0.55, 41787	0.41561	0.44245	0.39452	166.33485	59.4631	232.20811	21.02615	11.70076	29.03347	8.47E-08	4.98E-05	6.23E-06	2.61E-11	7.89E-11	6.23E-11	0	0	0	0	2.016E-10	9.9629E-09	7.50498E-09	2.6718E-11	0	1.33358E-11	0
677	571230.6	4178759 0.55, 41787	0.39577	0.41616	0.38297	133.04594	57.55284	174.38403	19.00656	11.25795	24.912	8.22E-08	3.74E-05	5.34E-06	2.54E-11	7.66E-11	6.05E-11	0	0	0	0	1.957E-10	7.4821E-09	6.43967E-09	2.59356E-11	0	1.29453E-11	0
678	571270.6	4178759 0.55, 41787	0.36933	0.38979	0.3568	133.93343	52.76944	163.09994	18.49966	10.32502	20.38749	7.66E-08	3.5E-05	4.37E-06	2.36E-11	7.13E-11	5.63E-11	0	0	0	0	1.823E-10	6.9979E-09	5.27031E-09	2.41633E-11	0	1.20607E-11	0
679	571310.6	4178759 0.55, 41787	0.3411	0.36413	0.32902	131.1619	50.25063	168.23883	18.11843	9.56125	22.87944	7.06E-08	3.61E-05	4.91E-06	2.18E-11	6.58E-11	5.2E-11	0	0	0	0	1.681E-10	7.2184E-09	5.91431E-09	2.22821E-11	0	1.11217E-11	0
680	571350.6	4178759 0.55, 41787	0.31543	0.34037	0.30452	103.20737	47.94128	136.71003	14.62528	9.08266	18.8743	6.53E-08	2.93E-05	4.05E-06	2.02E-11	6.09E-11	4.81E-11	0	0	0	0	1.556E-10	5.8657E-09	4.87896E-09	2.06229E-11	0	1.02936E-11	0
681	571390.6	4178759 0.55, 41787	0.29206	0.31801	0.28181	95.20975	46.26011	128.00267	11.90122	8.7596	16.00033	6.05E-08	2.75E-05	3.43E-06	1.87E-11	5.63E-11	4.45E-11	0	0	0	0	1.44E-10	5.4921E-09	4.13601E-09	1.9085E-11	0	9.52592E-12	0
682	571430.6	4178759 0.55, 41787	0.27184	0.29676	0.26169	65.82255	44.97926	77.28464	8.48847	8.42183	11.06277	5.62E-08	1.66E-05	2.37E-06	1.73E-11	5.23E-11	4.13E-11	0	0	0	0	1.337E-10	3.3162E-09	2.85969E-09	1.77224E-11	0	8.84583E-12	0
683	571470.6	4178759 0.55, 41787	0.25781	0.27877	0.24855	74.19853	43.62462	66.74746	10.92817	7.8818	10.16339	5.33E-08	1.43E-05	2.18E-06	1.65E-11	4.97E-11	3.93E-11	0	0	0	0	1.27E-10	2.8641E-09	2.62743E-09	1.68325E-11	0	8.40163E-12	0
684	571510.6	4178759 0.55, 41787	0.24715	0.26193	0.2514	102.14842	42.0514	116.58455	14.2101	7.23025	16.16505	5.16E-08	2.5E-05	3.47E-06	1.59E-11	4.81E-11	3.8E-11	0	0	0	0	1.228E-10	5.0022E-09	4.17875E-09	1.6277E-11	0	8.12439E-12	0
685	571550.6	4178759 0.55, 41787	0.23772	0.24585	0.23427	104.82233	40.15762	128.89855	14.31586	6.66643	17.41071	5.03E-08	2.77E-05	3.74E-06	1.55E-11	4.68E-11	3.7E-11	0	0	0	0	1.197E-10	5.5305E-09	4.50069E-09	1.58651E-11	0	7.91879E-12	0
686	571590.6	4178759 0.55, 41787	0.22808	0.23097	0.22747	83.60184	37.747	96.99907	11.46846	6.12919	13.15855	4.88E-08	2.08E-05	2.82E-06	1.51E-11	4.55E-11	3.59E-11	0	0	0	0	1.162E-10	4.1619E-09	3.40154E-09	1.54045E-11	0	7.68887E-12	0
687	570310.6	4178799 0.55, 41787	0.10253	0.09048	0.09887	92.22772	37.68456	108.42661	11.52846	4.71057	13.55333	2.12E-08	2.33E-05	2.91E-06	6.55E-12	1.98E-11	1.56E-11	0	0	0	0	5.051E-11	4.6522E-09	3.50358E-09	6.69541E-12	0	3.34189E-12	0
688	570350.6	4178799 0.55, 41787	0.11434	0.10195	0.11024	96.42289	41.82094	119.06345	12.05286	5.22762	14.88293	2.37E-08	2.55E-05	3.19E-06	7.3E-12	2.2E-11	1.74E-11	0	0	0	0	5.632E-11	5.1086E-09	3.84724E-09	7.46539E-12	0	3.72622E-12	0
689	570390.6	4178799 0.55, 41787	0.12785	0.11532	0.12365	96.70849	44.28794	121.57528	12.08856	5.83168	15.19691	2.65E-08	2.61E-05	3.26E-06	8.19E-12	2.47E-11	1.95E-11	0	0	0	0	6.317E-11	5.2163E-09	3.92839E-09	8.37353E-12	0	4.17949E-12	0
690	570430.6	4178799 0.55, 41787	0.14288	0.13064	0.13911	109.4746	48.39009	132.26529	13.83026	6.97525	16.53316	2.98E-08	2.84E-05	3.55E-06	9.21E-12	2.78E-11	2.2E-11	0	0	0	0	7.107E-11	5.675E-09	4.27386E-09	9.42049E-12	0	4.70207E-12	0
691	570470.6	4178799 0.55, 41787	0.15993	0.14857	0.15692	116.3647	50.80214	153.38363	16.31235	7.92735	19.17295	3.37E-08	3.29E-05	4.11E-06	1.04E-11	3.14E-11	2.48E-11	0	0	0	0	8.017E-11	6.5811E-09	4.95627E-09	1.06266E-11	0	5.30407E-12	0
692	570510.6	4178799 0.55, 41787	0.17816	0.16871	0.17591	124.77861	52.11481	162.22151	17.82552	8.49382	23.1745	3.77E-08	3.48E-05	4.97E-06	1.16E-11	3.52E-11	2.78E-11	0	0	0	0	8.987E-11	6.9602E-09	5.99054E-09	1.19126E-11	0	5.94597E-12	0
693	570550.6	4178799 0.55, 41787	0.19752	0.19131	0.19507	126.89522	56.18657	175.78093	18.12789	8.51005	24.21863	4.19E-08	3.77E-05	5.2E-06	1.29E-11	3.9E-11	3.08E-11	0	0	0	0	9.966E-11	7.542E-09	6.26041E-09	1.32102E-11	0	6.59364E-12	0
694	570590.6	4178799 0.55, 41787	0.21773	0.21627	0.21308	122.68072	62.5324	158.46837	17.14296	9.80776	21.67538	4.57E-08	3.4E-05	4.65E-06	1.41E-11	4.26E-11	3.36E-11	0	0	0	0	1.089E-10	6.7993E-09	5.60306E-09	1.443E-11	0	7.20246E-12	0
695	570630.6	4178799 0.55, 41787	0.23771	0.24268	0.22932	133.9153	64.36556	188.20796	18.95021	10.72759	26.70167	4.92E-08	4.04E-05	5.73E-06	1.52E-11	4.58E-11	3.62E-11	0	0	0	0	1.172E-10	8.0752E-09	6.9022E-09	1.55299E-11	0	7.75149E-12	0
696	570670.6	4178799 0.55, 41787	0.25595	0.26895	0.24514	141.94782	63.09907	182.20008	19.13844	10.57117	23.96944	5.26E-08	3.91E-05	5.14E-06	1.62E-11	4.9E-11	3.87E-11	0	0	0	0	1.252E-10	7.8175E-09	6.19608E-09	1.66015E-11	0	8.28632E-12	0
697	570710.6	4178799 0.55, 41787	0.27273	0.29382	0.2595	157.12572	66.69563	192.86918	19.64072	11.93189	24.10865	5.57E-08	4.14E-05	5.17E-06	1.72E-11	5.19E-11	4.1E-11	0	0	0	0	1.326E-10	8.2753E-09	6.2321E-09	1.75741E-11	0	8.7718E-12	0
698	570750.6	4178799 0.55, 41787	0.29355	0.31916	0.26739	152.65771	72.44297	180.42039	19.08221	15.18472	22.55534	5.74E-08	3.87E-05	4.84E-06	1.77E-11	5.35E-11	4.22E-11	0	0	0	0	1.366E-10	7.7413E-09	5.83062E-09	1.81087E-11	0	9.03865E-12	0
699	570790.6	4178799 0.55, 41787	0.31688	0.34759	0.27611	157.73005	72.26845	195.86787	20.13646	16.34526	24.48348	5.92E-08	4.2E-05	5.25E-06	1.83E-11	5.52E-11	4.36E-11	0	0	0	0	1.411E-10	8.404E-09	6.329E-09	1.86996E-11	0	9.33358E-12	0
700	570830.6	4178799 0.55, 41787	0.33524	0.37796	0.31984	162.23746	94.66133	234.71664	21.09567	14.73083	29.33958	6.86E-08	5.04E-05	6.29E-06	2.12E-11	6.39E-11	5.05E-11	0	0	0	0	1.634E-10	1.0071E-08	7.5841E-09	2.16608E-11	0	1.08116E-11	0
701	570870.6	4178799 0.55, 41787	0.35595	0.40358	0.35265	158.80625	107.46352	263.60655	19.85078	16.70272	32.95082	7.57E-08	5.66E-05	7.07E-06	2.34E-11	7.05E-11	5.57E-11	0	0	0	0	1.802E-10	1.131E-08	8.51731E-09	2.38825E-11	0	1.19205E-11	0
702	570910.6	4178799 0.55, 41787	0.3676	0.41723	0.32417	150.41188	96.98395	247.06251	18.80149	15.72408	30.88281	6.96E-08	5.3E-05	6.63E-06	2.15E-11	6.48E-11	5.12E-11	0	0	0	0	1.656E-10	1.0601E-08	7.98277E-09	2.19546E-11	0	1.09583E-11	0
703	570950.6	4178799 0.55, 41787	0.34637	0.40141	0.30552	159.46128	87.41269	275.63404	19.93273	16.48069	34.45425	6.56E-08	5.91E-05	7.39E-06	2.02E-11	6.11E-11	4.83E-11	0	0	0	0	1.561E-10	1.1826E-08	8.90586E-09	2.06917E-11	0	1.03279E-11	0
704	570990.6	4178799 0.55, 41787	0.35579	0.40756	0.32647	119.48057	79.68844	146.33228	17.5796	14.60553	25.33485	7.01E-08	3.14E-05	5.44E-06	2.16E-11	6.53E-11	5.16E-11	0	0	0	0	1.668E-10	6.2789E-09	6.54885E-09	2.21102E-11	0	1.10359E-11	0
705	571030.6	4178799 0.55, 41787	0.37225	0.416	0.35619	155.14917	72.93395	196.55996	24.86673	12.948	30.87431	7.64E-08	4.22E-05	6.62E-06	2.36E-11	7.12E-11	5.63E-11	0	0	0	0	1.82E-10	8.4337E-09	7.981E-09	2.41224E-11	0	1.20403E-11	0
706	571070.6	4178799 0.55, 41787	0.3594	0.40135	0.34666	158.59146	67.81733	220.83512	22.65592	11.74555	33.70367	7.44E-08	4.74E-05	7.23E-06	2.3E-11	6.93E-11	5.47E-11	0	0	0	0	1.771E-10	9.4751E-09	8.71207E-09	2.3477E-11	0	1.17181E-11	0
707	571110.6	4178799 0.55, 41787	0.34191	0.38638	0.31575	133.9595	62.41991	198.12185	16.74494	10.40332	24.76523	6.78E-08	4.25E-05	5.31E-06	2.09E-11	6.31E-11	4.99E-11	0	0	0	0	1.613E-10	8.5005E-09	6.40158E-09	2.1384E-11	0	1.06734E-11	0
708	571150.6	4178799 0.55, 41787	0.32926	0.37153	0.29721	140.52662	58.47073	122.49716	17.56829	9.74512	16.40698	6.38E-08	2.63E-05	3.52E-06	1.97E-11	5.94E-11	4.69E-11	0	0	0	0	1.518E-10	5.2561E-09	4.24151E-09	2.01286E-11	0	1.00468E-11	0
709	571190.6	4178799 0.55, 41787	0.32393	0.35615	0.30055	162.80337	55.99612	201.90064	20.37225	9.46414	25.23758	6.45E-08	4.33E-05	5.41E-06	1.99E-11	6.01E-11	4.75E-11	0	0	0	0	1.535E-10	8.6626E-09	6.52391E-09	2.03544E-11	0	1.01595E-11	0
710	571230.6	4178799 0.55, 41787	0.31732	0.33876	0.30501	141.0743	54.42569	191.70239	17.72831	9.52966	23.96639	6.54E-08	4.11E-05	5.14E-06	2.02E-11	6.1E-11	4.82E-11	0	0	0	0	1.558E-10	8.2251E-09	6.1952E-09	2.06561E-11	0	1.03101E-11	0
711	571270.6	4178799 0.55, 41787	0.30415	0.32027	0.29829	116.54381	51.24633	144.90939	16.64912	9.13765	20.70134	6.4E-08	3.11E-05	4.44E-06	1.98E-11	5.96E-11	4.71E-11	0	0	0	0	1.524E-10	6.2175E-09	5.35129E-09	2.02008E-11	0	1.00829E-11	0
712	571310.6	4178799 0.55, 41787	0.28608	0.30211	0.28212	111.77517	48.08718	136.31939	15.28029	8.60329	17.73191	6.05E-08	2.92E-05	3.8E-06	1.87E-11	5.64E-11	4.46E-11	0	0	0	0	1.441E-10	5.8489E-09	4.58377E-09	1.91057E-11	0	9.53626E-12	0
713	571350.6	4178799 0.55, 41787	0.26522	0.28423	0.2608	116.94553	46.1941	139.01017	15.97517	8.23917	19.97796	5.6E-08	2.98E-05	4.29E-06	1.73E-11	5.21E-11	4.12E-11	0	0	0	0	1.332E-10	5.9644E-09	5.16429E-09	1.76619E-11	0	8.81564E-12	0
714	571390.6	4178799 0.55, 41787	0.24309	0.26586	0.23735	101.64822	44.37475	130.479	13.96186	7.97488	17.70328	5.09E-08	2.8E-05	3.8E-06	1.57E-11	4.75E-11	3.75E-11	0	0	0	0	1.213E-10	5.5983E-09	4.57627E-09	1.6074E-11	0	8.02304E-12	0
715	571430.6	4178799 0.55, 41787	0.22645	0.25105	0.21957	78.66707	42.96369	101.00422	10.22882	7.75525	13.14754	4.71E-08	2.17E-05	2.82E-06	1.45E-11	4.39E-11	3.47E-11	0	0	0	0	1.122E-10	4.3338E-09	3.39861E-09	1.487E-11	0	7.42207E-12	0
716	571470.6	4178799 0.55, 41787	0.21325	0.23694	0.20607	47.64153	41.84289	57.10773	7.70461	7.45296	10.06314	4.42E-08	1.23E-05	2.16E-06	1.36E-11	4.12E-11	3.25E-11	0	0	0	0	1.053E-10	2.4505E-09	2.60129E-09	1.39557E-11	0	6.96575E-12	0
717	571510.6	4178799 0.55, 41787	0.20623	0.22585	0.19985	71.44774	40.73398	67.79843	10.29216	7.00806	9.90291	4.29E-08	1.45E-05	2.12E-06	1.32E-11	4E-11	3.16E-11	0	0	0	0	1.021E-10	2.9092E-09	2.56006E-09	1.35344E-11	0	6.75546E-12	0
718	571550.6	4178799 0.55, 41787	0.19818	0.21228	0.19356	94.10249	39.35835	107.36049	13.01678	6.4744	14.79864	4.15E-08	2.3E-05	3.18E-06	1.28E-11	3.87E-11	3.06E-11	0	0	0	0	9.889E-11	4.6065E-09	3.82552E-09	1.31083E-11	0	6.54279E-12	0
719	571590.6	4178799 0.55, 41787	0.19254	0.20073	0.18997	94.76849	37.66806	114.23818	12.95063	6.01952	15.50303	4.08E-08	2.45E-05	3.33E-06	1.26E-11	3.8E-11	3E-11	0	0	0	0	9.705E-11	4.9015E-09	4.00756E-09	1.28651E-11	0	6.42137E-12	0
720	570310.6	4178839 0.55, 41788	0.10118	0.0904	0.098	86.93136	38.98232	105.93151	10.86642	4.87279	13.24144	2.1E-08	2.27E-05	2.84E-06	6.49E-12	1.96E-11	1.55E-11	0	0	0	0	5.006E-11	4.5451E-09	3.42292E-09	6.6365E-12	0	3.31249E-12	0
721	570350.6	4178839 0.55, 41788	0.1118	0.10104	0.10874	92.10266	41.60712	103.12867	11.51283	5.43734	12.89108	2.33E-08	2.21E-05	2.77E-06	7.2E-12	2.17E-11	1.72E-11	0	0	0	0	5.555E-11	4.4249E-09	3.33242E-09	7.36382E-12	0	3.67552E-12	0
722	570390.6	4178839 0.55, 41788	0.12335	0.11299	0.12071	101.58992	44.39945	123.8041	13.097	6.32134	15.47551	2.59E-08	2.66E-05	3.32E-06	7.99E-12	2.41E-11	1.91E-11	0	0	0	0	6.167E-11	5.312E-09	4.00046E-09	8.17444E-12	0	4.08012E-12	0
723	570430.6	4178839 0.55, 41788	0.13612	0.12663	0.1341	105.75261	46.22171	135.82058	15.10752	6.99394	17.72822	2.88E-08	2.91E-05	3.8E-06	8.88E-12	2.68E-11	2.12E-11	0	0	0	0	6.851E-11	5.8275E-09	4.5828E-09	9.08122E-12	0	4.53273E-12	0
724	570470.6	4178839 0.55, 41788	0.14941	0.1416	0.14777	113.55911	47.52324	144.14907	16.22273	7.30549	20.59272	3.17E-08	3.09E-05	4.42E-06	9.78E-12	2.95E-11	2.33E-11	0	0	0	0	7.549E-11	6.1848E-09	5.32319E-09	1.0007E-11	0	4.9948E-12	0
725	570510.6	4178839 0.55, 41788	0.16314	0.158	0.16129	114.44641	50.69094	152.51274	16.21485	7.16417	20.85712	3.46E-08	3.27E-05	4.47E-06	1.07E-11	3.22E-11	2.55E-11	0	0	0	0	8.24E-11	6.5437E-09	5.39152E-09	1.09226E-11	0	5.45182E-12	0
726	570550.6	4178839 0.55, 41788	0.17704	0.17576	0.1737	109.2842	56.30775	135.99936	15.45924	8.75778	18.63755	3.73E-08	2.92E-05	4E-06	1.15E-11	3.47E-11	2.74E-11	0	0	0	0	8.874E-11	5.8353E-09	4.81783E-09	1.17631E-11	0	5.87135E-12	0
727	570590.6	4178839 0.55, 41788	0.1907	0.19445	0.18485	121.04262	57.73789	162.59872	17.123	9.62298	23.05827	3.97E-08	3.49E-05	4.95E-06	1.22E-11	3.7E-11	2.92E-11	0	0	0	0	9.444E-11	6.9765E-09	5.96046E-09	1.25183E-11	0	6.2483E-12	0
728	570630.6	4178839 0.55, 41788	0.20316	0.21304	0.19546	125.84874	56.85617	163.76967	17.26057	9.47603	21.8341	4.19E-08	3.51E-05	4.68E-06	1.29E-11	3.91E-11	3.09E-11	0	0	0	0	9.986E-11	7.0267E-09	5.64409E-09	1.3237E-11	0	6.607E-12	0
729	570670.6	4178839 0.55, 41788	0.21386	0.23043	0.20601	138.80556	56.19819	167.35734	17.35069	9.51337	20.91967	4.42E-08	3.59E-05	4.49E-06	1.36E-11	4.12E-11	3.25E-11	0	0	0	0	1.052E-10	7.1806E-09	5.40777E-09	1.39516E-11	0	6.96367E-12	0
730	570710.6	4178839 0.55, 41788	0.22462	0.24643	0.21368	139.69865	64.11019	158.44625	17.46233	11.64998	19.80578	4.59E-08	3.4E-05	4.25E-06	1.41E-11	4.27E-11	3.37E-11	0	0	0	0	1.092E-10	6.7984E-09	5.1199E-09	1.44711E-11	0	7.223E-12	0
731	570750.6	4178839 0.55, 41788	0.23931	0.26333	0.21642	129.30344	65.03758	176.13066	16.25667	13.35444	22.02002	4.64E-08	3.78E-05	4.72E-06	1.43E-11	4.33E-11	3.42E-11	0	0	0	0	1.106E-10	7.5571E-09	5.69207E-09	1.46569E-11	0	7.31574E-12	0
732	570790.6	4178839 0.55, 41788	0.2546	0.28325	0.22784	148.04332	66.52984	161.44916	18.88746	13.10425	20.18115	4.89E-08	3.46E-05	4.33E-06	1.51E-11	4.56E-11	3.6E-11	0	0	0	0	1.164E-10	6.9273E-09	5.21701E-09	1.54304E-11	0	7.70183E-12	0
733	570830.6	4178839 0.55, 41788	0.26766	0.30497	0.26524	136.3658	90.38201	203.70222	17.19519	14.05196	26.51864	5.69E-08	4.37E-05	5.69E-06	1.76E-11	5.3E-11	4.19E-11	0	0	0	0	1.355E-10	8.7402E-09	6.85477E-09	1.79629E-11	0	8.96585E-12	0
734	570870.6	4178839 0.55, 41788	0.28248	0.32215	0.27934	145.76117	97.26265	213.43334	18.22015	15.13016	26.67917	5.99E-08	4.58E-05	5.72E-06	1.85E-11	5.58E-11	4.41E-11	0	0	0	0	1.427E-10	9.1578E-09	6.89633E-09	1.89178E-11	0	9.44248E-12	0
735	570910.6	4178839 0.55, 41788	0.28799	0.33135	0.25629	130.6935	87.1686	210.24612	16.33669	13.50967	26.28077	5.5E-08	4.51E-05	5.64E-06	1.7E-11	5.12E-11	4.05E-11	0	0	0	0	1.309E-10	9.0209E-09	6.79323E-09	1.73574E-11	0	8.66365E-12	0
736	570950.6	4178839 0.55, 41788	0.28758	0.33724	0.25781	143.26415	81.64199	232.33178	17.90802	13.93242	29.04147	5.53E-08	4.98E-05	6.23E-06	1.71E-11	5.15E-11	4.07E-11	0	0	0	0	1.317E-10	9.9684E-09	7.50683E-09	1.74604E-11	0	8.71507E-12	0
737	570990.6	4178839 0.55, 41788	0.28844	0.33412	0.27084	115.42228	74.82901	134.90402	15.11344	13.01217	21.06919	5.81E-08	2.89E-05	4.52E-06	1.79E-11	5.41E-11	4.28E-11	0	0	0	0	1.384E-10	5.7885E-09	5.44625E-09	1.83426E-11	0	9.15535E-12	0
738	571030.6	4178839 0.55, 41788	0.29049	0.32848	0.28015	122.60648	67.85889	167.69329	20.43441	11.21527	20.96166	6.01E-08	3.6E-05	4.5E-06	1.85E-11	5.6E-11	4.42E-11	0	0	0	0	1.431E-10	7.1952E-09	5.41884E-09	1.89728E-11	0	9.46991E-12	0
739	571070.6	4178839 0.55, 41788	0.28682	0.32211	0.27916	145.80556	62.69899	194.95005	22.09774	10.44682	32.49167	5.99E-08	4.18E-05	6.97E-06	1.85E-11	5.58E-11	4.41E-11	0	0	0	0	1.426E-10	8.3645E-09	8.3988E-09	1.89056E-11	0	9.4364E-12	0
740	571110.6	4178839 0.55, 41788	0.272	0.3104	0.2597	131.09883	59.8466	180.45962	17.36249	9.97443	23.15348	5.57E-08	3.87E-05	4.97E-06	1.72E-11	5.19E-11	4.1E-11	0	0	0	0	1.327E-10	7.7428E-09	5.98508E-09	1.75879E-11	0	8.77869E-12	0
741	571150.6	4178839 0.55, 41788	0.26	0.30055	0.24148	99.99815	55.57889	134.60776	12.49977	9.26315	16.82597	5.18E-08	2.89E-05	3.61E-06	1.6E-11	4.83E-11	3.81E-11	0	0	0	0	1.234E-10	5.7756E-09	4.34944E-09	1.63542E-11	0	8.16291E-12	0
742	571190.6	4178839 0.55, 41788	0.2552	0.29099	0.23588	127.82601	53.11626	132.48794	15.97966	8.85271	16.56099	5.06E-08	2.84E-05	3.55E-06	1.56E-11	4.72E-11	3.73E-11	0	0	0	0	1.205E-10	5.6846E-09	4.2812E-09	1.59749E-11	0	7.97358E-12	0
743	571230.6	4178839 0.55, 41788	0.25406	0.28009	0.23929	144.46225	51.51588	176.21864	18.06666	8.58598	22.02733	5.13E-08	3.78E-05	4.73E-06	1.58E-11	4.78E-11	3.78E-11	0	0	0	0	1.223E-10	7.5608E-09	5.69408E-09	1.62056E-11	0	8.08872E-12	0
744	571270.6	4178839 0.55, 41788	0.2507	0.26766	0.24251	121.82335	49.56018	161.92313	15.26733	8.26003	20.24326	5.2E-08	3.47E-05	4.34E-06	1.61E-11	4.85E-11	3.83E-11	0	0	0	0	1.239E-10	6.9474E-09	5.23281E-09	1.64234E-11	0	8.19743E-12	0
745	571310.6	4178839 0.55, 41788	0.24184	0.25433	0.23951	103.21026	44.65355	122.05645	14.74432	7.58702	17.43664	5.14E-08	2.62E-05	3.74E-06	1.59E-11	4.79E-11	3.78E-11	0	0	0	0	1.224E-10	5.237E-09	4.50742E-09	1.622E-11	0	8.09593E-12	0
746	571350.6	4178839 0.55, 41788	0.22797	0.24079	0.22797	99.0464	44.12829	113.73434	14.35742	7.39344	18.63488	4.89E-08	2.44E-05	4E-06	1.51E-11	4.56E-11	3.6E-11	0	0	0	0	1.165E-10	4.88E-09	4.81707E-09	1.54385E-11	0	7.70584E-12	0
747	571390.6	4178839 0.55, 41788	0.21103	0.22733	0.21036	102.76287	42.76623	112.22851	13.91866	7.25999	15.15441	4.51E-08	2.41E-05	3.25E-06	1.39E-11	4.21E-11	3.32E-11	0	0	0	0	1.075E-10	4.8153E-09	3.91753E-09	1.4246E-11	0	7.11063E-12	0
748	571430.6	4178839 0.55, 41788	0.19469	0.21494	0.19186	96.70075	41.37793	118.14409	13.13698	7.12068	15.87157	4.12E-08	2.53E-05	3.41E-06	1.27E-11	3.84E-11	3.03E-11	0	0	0	0	9.802E-11	5.0691E-09	4.10282E-09	1.29933E-11	0	6.48536E-12	0
749	571470.6	4178839 0.55, 41788	0.18137	0.20392	0.17665	77.02264	40.18933	97.95965	10.5662	6.94319	13.29535	3.79E-08	2.1E-05	2.85E-06	1.17E-11	3.53E-11	2.79E-11	0	0	0	0	9.025E-11	4.2031E-09	3.43684E-09	1.19633E-11	0	5.97127E-12	0
750	571510.6	4178839 0.55, 41788	0.17253	0.19446	0.16733	52.60803	39.21497	67.39367	7.34906	6.67327	9.32595	3.59E-08	1.45E-05	2E-06	1.11E-11	3.35E-11	2.64E-11	0	0	0	0	8.549E-11	2.8918E-09	2.41074E-09	1.13322E-11	0	5.65624E-12	0
751	571550.6	4178839 0.55, 41788	0.16797	0.18619	0.16347	68.59481	38.25365	67.50423	9.65516	6.29212	9.48561	3.51E-08	1.45E-05	2.04E-06	1.08E-11	3.27E-11	2.58E-11	0	0	0	0	8.352E-11	2.8965E-09	2.45217E-09	1.10707E-11	0	5.52573E-12	0
752	571590.6	4178839 0.55, 41788	0.16271	0.17607	0.15959	86.9293	37.04871	99.01478	11.93163	5.86384	13.49632	3.42E-08	2.12E-05	2.9E-06	1.06E-11	3.19E-11	2.52E-11	0	0	0	0	8.153E-11	4.2484E-09	3.48887E-09	1.08078E-11	0	5.39453E-12	0
753	570839.2	4178446 9.17, 41784	74.46739	6.86955	3.72049	1115.31188	246.53605	1658.95445	545.24687	92.47095	232.89196	7.99E-07	0.000356	5E-05	2.47E-10	7.44E-10	5.88E-10	0	0	0	0	1.902E-09	7.1176E-08	6.02279E-08	2.5214E-10	0	1.25851E-10	0
754	570839.2	4178486 9.17, 41784	72.70489	8.35312	4.22209	2611.28562	240.43522	1473.87155	1286.82968	90.10385	245.64526	9.07E-07	0.000316	5.28E-05	2.8E-10	8.45E-10	6.67E-10	0	0	0	0	2.158E-09	6.3237E-08	6.35765E-08	2.8612E-10	0	1.42812E-10	0
755	570879.2	4178406 9.17, 41784	9.26791	12.09581	2.86973	654.37651	281.54322	1652.24347	174.87233	99.71055	250.6883	6.16E-07	0.000354	5.38E-05	1.9E-10	5.74E-10	4.54E-10	0	0	0	0	1.467E-09	7.0887E-08	6.4801E-08	1.94506E-10	0	9.70842E-11	0
756	570879.2	4178446 9.17, 41784	110.98197	13.33715	11.62742	3333.88644	260.53475	3586.87714	1717.50318	91.01179	770.8732	2.5E-06	0.000769	0.000165	7.7E-10	2.33E-09	1.84E-09	0	0	0	0	5.942E-09	1.5389E-07	1.99348E-07	7.87632E-10	0	3.93132E-10	0
757	570879.2	4178486 9.17, 41784	18.42358	13.79846	20.70311	473.0449	246.35325	4578.74855	141.68031	100.88031	655.29094	4.44E-06	0.000982	0.000141	1.37E-09	4.14E-09	3.27E-09	0	0	0	0	1.058E-08	1.9644E-07	1.69365E-07	1.40191E-09	0	6.99737E-10	0
758	570879.2	4178526 9.17, 41785	94.91809	17.71904	9.02777	3340.71117	271.69492	2014.80922	1490.9797	113.49448	441.47053	1.94E-06	0.000432	9.48E-05	5.98E-10	1.81E-09	1.43E-09	0	0	0	0	4.614E-09	8.6445E-08	1.14201E-07	6.11673E-10	0	3.05306E-10	0
759	570879.2	4178566 9.17, 41785	6.34056	7.84517	3.48916	517.57011	248.69096	1100.96831	138.67192	92.32789	171.27972	7.49E-07	0.000236	3.67E-05	2.31E-10	6.98E-10	5.51E-10	0	0	0	0	1.783E-09	4.7236E-08	4.42758E-08	2.36366E-10	0	1.17978E-10	0
760	570919.2	4178366 9.17, 41783	2.36921	8.89638	1.45024	279.82249	231.14799	970.86833	50.20448	85.64726	145.20587	3.12E-07	0.000208	3.12E-05	9.61E-11	2.9E-10	2.29E-10	0	0	0	0	7.418E-10	4.1654E-08	3.7531E-08	9.83373E-11	0	4.90833E-11	0
761	570919.2	4178406 9.17, 41784	7.16288	18.51893	2.95623	387.12304	281.06153	1814.51514	102.95605	123.97591	301.78328	6.35E-07	0.000389	6.47E-05	1.96E-10	5.92E-10	4.67E-10	0	0	0	0	1.512E-09	7.7849E-08	7.8001E-08	2.00466E-10	0	1.00059E-10	0
762	570919.2	4178446 9.17, 41784	30.90779	15.96768	15.85005	761.46723	266.85593	6280.62092	290.35951	97.37786	1155.63511	3.4E-06	0.001347	0.000248	1.05E-09	3.17E-09	2.5E-09	0	0	0	0	8.098E-09	2.6945E-07	2.98686E-07	1.07341E-09	0	5.35771E-10	0
763	570919.2	4178486 9.17, 41784	29.57453	18.16179	468.02027	992.62163	281.14129	31654.24271	425.98322	121.6397	9353.86757	0.0001	0.00679	0.002006	3.1E-08	9.35E-08	7.39E-08	0	0	0	0	2.39E-07	1.358E-06	2.41747E-06	3.16863E-08	0	1.58156E-08	0
764	570919.2	4178526 9.17, 41785	19.47257	21.77306	15.13476	427.44744	357.8357	3633.422	126.47105	151.21701	760.0028	3.25E-06	0.000779	0.000163	1E-09	3.03E-09	2.39E-09	0	0	0	0	7.733E-09	1.5588E-07	1.96426E-07	1.02505E-09	0	5.11638E-10	0
765	570919.2	4178566 9.17, 41785	68.70701	17.81326	4.44491	3547.24462	326.79695	1605.72558	1121.59815	123.62419	257.53275	9.55E-07	0.000344	5.53E-05	2.95E-10	8.9E-10	7.03E-10	0	0	0	0	2.273E-09	6.8896E-08	6.6637E-08	3.01356E-10	0	1.50417E-10	0
766	570959.2	4178326 9.17, 41783	2.08146	12.83514	1.34475	279.67021	252.56813	633.18912	42.32993	97.81035	79.64117	2.89E-07	0.000136	1.71E-05	8.92E-11	2.69E-10	2.13E-10	0	0	0	0	6.885E-10	2.7168E-08	2.05857E-08	9.12606E-11	0	4.55511E-11	0
767	570959.2	4178366 9.17, 41783	2.97969	11.80225	1.85212	241.09871	252.07126	954.07883	42.48046	78.75938	136.29698	3.98E-07	0.000205	2.92E-05	1.23E-10	3.71E-10	2.93E-10	0	0	0	0	9.475E-10	4.0934E-08	3.5228E-08	1.25595E-10	0	6.26885E-11	0
768	570959.2	4178406 9.17, 41784	5.48321	18.00699	4.34111	312.89849	292.26242	1429.75284	67.10795	111.57482	238.11199	9.32E-07	0.000307	5.11E-05	2.88E-10	8.69E-10	6.86E-10	0	0	0	0	2.219E-09	6.1342E-08	6.15431E-08	2.94213E-10	0	1.46851E-10	0
769	570959.2	4178446 9.17, 41784	13.2141	15.9724	27.93872	471.07205	258.82785	2485.7483	129.31081	100.45092	486.63208	5.99E-06	0.000533	0.000104	1.85E-09	5.58E-09	4.41E-09	0	0	0	0	1.427E-08	1.0665E-07	1.25776E-07	1.8918E-09	0	9.44258E-10	0
770	570959.2	4178486 9.17, 41784	61.20406	15.71053	62.85492	1330.20017	250.50131	2800.83581	539.4281	101.77571	895.66291	1.35E-05	0.000601	0.000192	4.16E-09	1.26E-08	9.92E-09	0	0	0	0	3.21E-08	1.2016E-07	2.31516E-07	4.25579E-09	0	2.1242E-09	0
771	570959.2	4178526 9.17, 41785	233.18259	14.04006	12.98457	3491.90215	258.73899	2789.84609	1687.05022	110.68808	397.86928	2.79E-06	0.000598	8.54E-05	8.6E-10	2.6E-09	2.05E-09	0	0	0	0	6.637E-09	1.197E-07	1.02946E-07	8.79755E-10	0	4.39114E-10	0
772	570999.2	4178286 9.17, 41782	4.82709	7.01905	1.81527	541.05323	230.67805	782.52024	117.6944	82.70868	130.42004	3.9E-07	0.000168	2.8E-05	1.2E-10	3.63E-10	2.87E-10	0	0	0	0	9.281E-10	3.3574E-08	3.37145E-08	1.23024E-10	0	6.14051E-11	0

773	570999.2	4178326	9.17, 41783	3.49216	17.23511	2.06149	334.8047	281.26172	702.77079	73.88295	121.01705	110.07877	4.43E-07	0.000151	2.36E-05	1.37E-10	4.13E-10	3.26E-10	0	0	0	0	1.055E-09	3.0153E-08	2.84543E-08	1.39862E-10	0	6.98094E-11	0
774	570999.2	4178366	9.17, 41783	3.49499	15.86199	2.88936	258.09779	262.50756	719.40934	51.99585	99.38677	89.92617	6.21E-07	0.000154	1.93E-05	1.92E-10	5.78E-10	4.57E-10	0	0	0	0	1.478E-09	3.0867E-08	2.32444E-08	1.95887E-10	0	9.77735E-11	0
775	570999.2	4178406	9.17, 41784	4.67229	14.08019	6.50261	269.25985	258.20089	888.73579	48.54927	90.52886	138.83889	1.4E-06	0.000191	2.98E-05	4.31E-10	1.3E-09	1.03E-09	0	0	0	0	3.323E-09	3.8131E-08	3.58853E-08	4.40484E-10	0	2.1986E-10	0
776	570999.2	4178446	9.17, 41784	8.21208	17.59623	13.45709	365.10896	254.50285	1091.31402	80.87758	113.65243	185.77432	2.89E-06	0.000234	3.99E-05	8.91E-10	2.69E-09	2.13E-09	0	0	0	0	6.875E-09	4.6822E-08	4.80178E-08	9.11382E-10	0	4.549E-10	0
777	570999.2	4178486	9.17, 41784	18.06608	14.21786	20.31738	585.19163	263.25351	1140.06137	156.20535	101.07997	297.24229	4.36E-06	0.000245	6.38E-05	1.35E-09	4.06E-09	3.21E-09	0	0	0	0	1.038E-08	4.8914E-08	7.68312E-08	1.3758E-09	0	6.86706E-10	0
778	571039.2	4178246	9.17, 41782	16.91212	6.90765	2.82369	857.31055	271.11205	1316.76682	274.95229	93.64332	189.48612	6.06E-07	0.000282	4.07E-05	1.87E-10	5.65E-10	4.46E-10	0	0	0	0	1.443E-09	5.6495E-08	4.89908E-08	1.91317E-10	0	9.54923E-11	0
779	571039.2	4178286	9.17, 41782	28.85834	15.10006	3.68614	1240.055	260.3069	1323.38037	549.80999	92.85324	215.01085	7.92E-07	0.000284	4.62E-05	2.44E-10	7.38E-10	5.83E-10	0	0	0	0	1.885E-09	5.6779E-08	5.5607E-08	2.49866E-10	0	1.24716E-10	0
780	571039.2	4178326	9.17, 41783	6.67676	17.1171	4.10991	443.85334	276.43557	1246.54946	131.23026	111.87763	155.81868	8.83E-07	0.000267	3.34E-05	2.72E-10	8.22E-10	6.5E-10	0	0	0	0	2.101E-09	5.3482E-08	4.02795E-08	2.78548E-10	0	1.39032E-10	0
781	571039.2	4178366	9.17, 41783	4.40971	16.57374	4.87433	310.01939	259.88486	992.68074	73.97776	106.04392	160.75052	1.05E-06	0.000213	3.45E-05	3.23E-10	9.75E-10	7.7E-10	0	0	0	0	2.492E-09	4.2591E-08	4.155E-08	3.30287E-10	0	1.64857E-10	0
782	571039.2	4178406	9.17, 41784	4.40492	15.47088	6.2465	249.62047	251.60574	625.26496	54.55389	95.67705	86.62547	1.34E-06	0.000134	1.86E-05	4.14E-10	1.25E-09	9.87E-10	0	0	0	0	3.192E-09	2.6828E-08	2.23916E-08	4.23168E-10	0	2.11216E-10	0
783	571039.2	4178446	9.17, 41784	6.02235	17.33371	7.45895	271.18693	258.43077	565.95619	53.34538	113.33058	91.15286	1.6E-06	0.000121	1.96E-05	4.94E-10	1.49E-09	1.18E-09	0	0	0	0	3.812E-09	2.4283E-08	2.35616E-08	5.05287E-10	0	2.52205E-10	0
784	571079.2	4178246	9.17, 41782	26.90238	12.76385	4.78342	686.22219	257.40547	1959.72628	294.80616	92.56412	417.67679	1.03E-06	0.00042	8.96E-05	3.17E-10	9.57E-10	7.56E-10	0	0	0	0	2.445E-09	8.4079E-08	1.07966E-07	3.24111E-10	0	1.61774E-10	0
785	571079.2	4178286	9.17, 41782	49.90964	15.92317	13.80121	957.6563	283.49226	4117.74908	414.11972	108.09945	689.22522	2.96E-06	0.000883	0.000148	9.14E-10	2.76E-09	2.18E-09	0	0	0	0	7.051E-09	1.7666E-07	1.78155E-07	9.3473E-10	0	4.66554E-10	0
786	571079.2	4178326	9.17, 41783	16.67986	14.36437	14.4793	793.60016	243.70787	3077.685	313.14105	91.11491	664.711	3.11E-06	0.00066	0.000143	9.59E-10	2.89E-09	2.29E-09	0	0	0	0	7.397E-09	1.3204E-07	1.71812E-07	9.8055E-10	0	4.89424E-10	0
787	571079.2	4178366	9.17, 41783	6.18218	17.09307	7.0902	419.38901	255.0076	1488.27193	110.95083	108.56867	287.95219	1.52E-06	0.000319	6.18E-05	4.7E-10	1.42E-09	1.12E-09	0	0	0	0	3.623E-09	6.3852E-08	7.4427E-08	4.80318E-10	0	2.39742E-10	0
788	571079.2	4178406	9.17, 41784	4.42977	14.91	5.35349	310.20505	209.99469	815.89349	72.09993	91.11305	117.58287	1.15E-06	0.000175	2.52E-05	3.55E-10	1.07E-09	8.46E-10	0	0	0	0	2.736E-09	3.5006E-08	3.03935E-08	3.627E-10	0	1.81035E-10	0
789	571119.2	4178286	9.17, 41782	25.0824	15.07438	138.00946	507.91812	256.39153	16734.57469	211.8106	106.96205	4271.60103	2.96E-05	0.00359	0.000916	9.14E-09	2.76E-08	2.18E-08	0	0	0	0	7.049E-08	7.1794E-07	1.10398E-06	9.34382E-09	0	4.6638E-09	0
790	571119.2	4178326	9.17, 41783	197.49067	14.51391	52.98238	3348.29445	230.6601	7805.71053	1622.72219	95.52079	2122.69744	1.14E-05	0.001674	0.000455	3.51E-09	1.06E-08	8.37E-09	0	0	0	0	2.706E-08	3.3488E-07	5.48711E-07	3.58763E-09	0	1.7907E-09	0
791	571119.2	4178366	9.17, 41783	10.01384	12.46582	9.59129	630.48898	206.62645	2115.5821	198.58486	83.22549	424.70779	2.06E-06	0.000454	9.11E-05	6.35E-10	1.92E-09	1.51E-09	0	0	0	0	4.9E-09	9.0765E-08	1.09777E-07	6.49577E-10	0	3.24225E-10	0
792	571159.2	4178326	9.17, 41783	219.15803	19.05137	35.48029	3124.9508	277.70648	3646.5914	1560.39264	128.55095	753.34584	7.61E-06	0.000782	0.000162	2.35E-09	7.09E-09	5.6E-09	0	0	0	0	1.813E-08	1.5645E-07	1.94807E-07	2.40282E-09	0	1.19932E-09	0
793	570808.8	4178465	8.82, 41784	10.95844	3.34212	2.15804	1253.90468	193.66587	956.23037	302.59047	56.7134	159.37173	4.63E-07	0.000205	3.42E-05	1.43E-10	4.32E-10	3.41E-10	0	0	0	0	1.103E-09	4.1027E-08	4.12099E-08	1.4618E-10	0	7.29632E-11	0
794	570823.9	4178530	3.91, 41785	3.05561	3.25593	2.40542	358.64643	197.99385	1108.94733	70.39413	63.38636	140.39269	5.16E-07	0.000238	3.01E-05	1.59E-10	4.81E-10	3.8E-10	0	0	0	0	1.229E-09	4.7578E-08	3.62885E-08	1.62912E-10	0	8.13146E-11	0
795	570883.3	4178602	3.31, 41786	3.07425	4.49746	2.05933	479.66242	287.53386	914.81532	94.76169	103.00469	119.05382	4.42E-07	0.000196	2.55E-05	1.36E-10	4.12E-10	3.25E-10	0	0	0	0	1.052E-09	3.9251E-08	3.07753E-08	1.39502E-10	0	6.96298E-11	0
796	571181.5	4178310	1.45, 41783	77.30582	13.12592	35.80897	2585.53888	242.23364	1672.90767	872.95261	114.20023	513.62427	7.68E-06	0.000359	0.00011	2.37E-09	7.16E-09	5.65E-09	0	0	0	0	1.829E-08	7.1776E-08	1.32804E-07	2.42471E-09	0	1.21025E-09	0
797	571067.8	4178207	7.83, 41782	5.36607	4.9243	1.64986	895.65181	299.02694	904.65641	223.56067	96.05921	144.20823	3.54E-07	0.000194	3.09E-05	1.09E-10	3.3E-10	2.61E-10	0	0	0	0	8.433E-10	3.8815E-08	3.72854E-08	1.11791E-10	0	5.57986E-11	0
798	570799.9	4178447	9.89, 41784	4.88888	2.78293	1.75814	732.83791	152.28075	768.58836	142.77112	52.0733	124.31973	3.77E-07	0.000165	2.67E-05	1.16E-10	3.52E-10	2.78E-10	0	0	0	0	8.984E-10	3.2976E-08	3.21397E-08	1.19085E-10	0	5.94393E-11	0

	Trenching	Grading	Stockpile
Emissions Rate (g/s):	5.46E-12	4.85E-11	1.96E-07

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	0.057	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	0.057	10	2	70	0.85
2<9	861	1	0.854795	0.000001	0.057	3	0.55	70	0.72
Student	640	1	0.493151	0.000001	0.057	3	2.8	70	1
Worker	230	1	0.684932	0.000001	0.057	1	2.8	70	1

Trichloroethene

	Chronic (Annu	Acute (1hr)	8hr
REL:	1	1	1

				Concentration [µg/m^3] at 1 g/s									Concentration (µg/m^3) Unmitigated			Unmitigated Residential Dose			Risk by Age Group				Unmitigated			Student Unmitigated		Worker Unmitigated	
#	X	Y	X,Y	Trenching Period	Grading Period	Stockpile Period	Treching 1hr	Grading 1hr	Stockpile 1hr	Trenching 8hr	Grading 8hr	Stockpile 8hr	Period Tota	1hr Total	8hr Total	3rd	0<2	2<9	3rd	0<2	2<9	Total Risk	Chronic	Acute	8hr	Dose	Risk	Dose	Risk
1	570310.6	4177919	0.55, 41779	0.08215	0.06425	0.08047	53.98877	25.74637	57.86027	6.7486	3.78109	7.23253	1.58E-08	1.14E-05	1.42E-06	4.88E-12	1.47E-11	1.16E-11	8.44E-15	2.04E-13	1.12595E-14	2.23678E-13	1.581E-08	1.137E-05	1.42145E-06	4.99138E-12	3.4141E-14	2.49136E-12	5.68029E-15
2	570350.6	4177919	0.55, 41779	0.08744	0.06946	0.0859	61.34869	26.43683	62.74615	7.66859	3.66465	7.84327	1.69E-08	1.23E-05	1.54E-06	5.21E-12	1.57E-11	1.24E-11	9.01E-15	2.18E-13	1.20193E-14	2.38772E-13	1.688E-08	1.233E-05	1.5415E-06	5.3282E-12	3.64449E-14	2.65948E-12	6.0636E-15
3	570390.6	4177919	0.55, 41779	0.09273	0.07514	0.09126	67.57642	27.23616	68.95787	8.44705	3.80844	8.61973	1.79E-08	1.36E-05	1.69E-06	5.53E-12	1.67E-11	1.32E-11	9.58E-15	2.31E-13	1.27693E-14	2.53672E-13	1.794E-08	1.3551E-05	1.6941E-06	5.66069E-12	3.87191E-14	2.82543E-12	6.44198E-15
4	570430.6	4177919	0.55, 41779	0.09799	0.08123	0.09661	71.34976	28.07066	72.35504	8.91872	4.01428	9.04438	1.9E-08	1.42E-05	1.78E-06	5.86E-12	1.77E-11	1.4E-11	1.01E-14	2.45E-13	1.3518E-14	2.68544E-13	1.899E-08	1.4218E-05	1.77756E-06	5.99257E-12	4.09892E-14	2.99108E-12	6.81967E-15
5	570470.6	4177919	0.55, 41779	0.10292	0.08757	0.10182	71.34124	28.88227	71.18869	8.91766	4.18506	8.89859	2E-08	1.4E-05	1.75E-06	6.17E-12	1.86E-11	1.47E-11	1.07E-14	2.58E-13	1.4247E-14	2.83027E-13	2.001E-08	1.3989E-05	1.74892E-06	6.31576E-12	4.31998E-14	3.1524E-12	7.18747E-15
6	570510.6	4177919	0.55, 41779	0.10719	0.09397	0.10631	70.57748	29.51269	72.86498	8.82218	4.31581	9.10812	2.09E-08	1.43E-05	1.79E-06	6.45E-12	1.95E-11	1.54E-11	1.12E-14	2.69E-13	1.48754E-14	2.9551E-13	2.089E-08	1.4319E-05	1.79008E-06	6.59431E-12	4.51051E-14	3.29143E-12	7.50446E-15
7	570550.6	4177919	0.55, 41779	0.11095	0.10041	0.10942	80.02506	30.00614	83.29269	10.00313	4.88273	10.41159	2.15E-08	1.64E-05	2.05E-06	6.64E-12	2E-11	1.58E-11	1.15E-14	2.77E-13	1.53107E-14	3.04157E-13	2.15E-08	1.6368E-05	2.04626E-06	6.78728E-12	4.6425E-14	3.38775E-12	7.72407E-15
8	570590.6	4177919	0.55, 41779	0.11537	0.10684	0.11183	81.14556	31.22548	84.40479	10.14319	5.49199	10.5506	2.2E-08	1.66E-05	2.07E-06	6.78E-12	2.05E-11	1.62E-11	1.17E-14	2.83E-13	1.5648E-14	3.10859E-13	2.198E-08	1.6586E-05	2.07358E-06	6.93684E-12	4.7448E-14	3.4624E-12	7.89427E-15
9	570630.6	4177919	0.55, 41779	0.12154	0.11343	0.11602	82.02682	32.76834	84.97635	10.54682	6.07261	10.62204	2.28E-08	1.67E-05	2.09E-06	7.04E-12	2.12E-11	1.68E-11	1.22E-14	2.94E-13	1.62344E-14	3.22509E-13	2.28E-08	1.6699E-05	2.08764E-06	7.19679E-12	4.9226E-14	3.59215E-12	8.1901E-15
10	570670.6	4177919	0.55, 41779	0.12896	0.11974	0.12346	90.28793	34.09351	94.2666	12.11861	6.60764	13.84836	2.43E-08	1.85E-05	2.72E-06	7.49E-12	2.26E-11	1.79E-11	1.3E-14	3.13E-13	1.72755E-14	3.43189E-13	2.426E-08	1.8524E-05	2.72165E-06	7.65828E-12	5.23826E-14	3.82249E-12	8.71528E-15
11	570710.6	4177919	0.55, 41779	0.13589	0.12543	0.13131	92.03158	38.34133	98.54944	11.50395	7.03486	13.72911	2.58E-08	1.94E-05	2.7E-06	7.96E-12	2.4E-11	1.9E-11	1.38E-14	3.33E-13	1.83738E-14	3.65009E-13	2.581E-08	1.9366E-05	2.69818E-06	8.14519E-12	5.57131E-14	4.06552E-12	9.26939E-15
12	570750.6	4177919	0.55, 41779	0.14097	0.13029	0.13561	98.93292	42.68075	106.54938	12.36662	7.25038	14.15663	2.67E-08	2.09E-05	2.78E-06	8.22E-12	2.48E-11	1.96E-11	1.42E-14	3.44E-13	1.89755E-14	3.76963E-13	2.665E-08	2.0938E-05	2.78223E-06	8.41193E-12	5.75376E-14	4.19866E-12	9.57295E-15
13	570790.6	4177919	0.55, 41779	0.1434	0.13429	0.137	101.78306	44.96916	112.12821	12.72288	7.16867	14.01603	2.69E-08	2.2E-05	2.75E-06	8.31E-12	2.51E-11	1.98E-11	1.44E-14	3.47E-13	1.91701E-14	3.80828E-13	2.693E-08	2.2034E-05	2.75462E-06	8.4982E-12	5.81277E-14	4.24172E-12	9.67112E-15
14	570830.6	4177919	0.55, 41779	0.14249	0.1373	0.1371	103.05806	46.92439	113.14313	12.88226	6.63254	14.14289	2.69E-08	2.22E-05	2.78E-06	8.31E-12	2.51E-11	1.98E-11	1.44E-14	3.48E-13	1.91842E-14	3.81108E-13	2.695E-08	2.2234E-05	2.77956E-06	8.50444E-12	5.81704E-14	4.24484E-12	9.67823E-15
15	570870.6	4177919	0.55, 41779	0.13915	0.13926	0.13269	113.81753	49.41272	127.10432	14.22719	6.17659	15.88804	2.61E-08	2.5E-05	3.12E-06	8.05E-12	2.43E-11	1.92E-11	1.39E-14	3.36E-13	1.85674E-14	3.68854E-13	2.608E-08	2.4977E-05	3.12253E-06	8.23098E-12	5.62999E-14	4.10835E-12	9.36703E-15
16	570910.6	4177919	0.55, 41779	0.13537	0.14116	0.12571	103.09741	52.00284	118.27061	16.13684	6.50036	14.78383	2.47E-08	2.32E-05	2.91E-06	7.62E-12	2.3E-11	1.82E-11	1.32E-14	3.19E-13	1.7591E-14	3.49457E-13	2.471E-08	2.3241E-05	2.90567E-06	7.79815E-12	5.33393E-14	3.89231E-12	8.87446E-15
17	570950.6	4177919	0.55, 41779	0.13129	0.14261	0.12523	128.63222	54.75687	154.09416	19.7206	7.6051	23.34348	2.46E-08	3.03E-05	4.59E-06	7.6E-12	2.29E-11	1.81E-11	1.31E-14	3.17E-13	1.75239E-14	3.48124E-13	2.461E-08	3.0281E-05	4.5877E-06	7.7684E-12	5.31358E-14	3.87746E-12	8.8406E-15
18	570990.6	4177919	0.55, 41779	0.12715	0.1442	0.12572	126.51514	58.01026	163.29109	18.07359	9.36612	23.3273	2.47E-08	3.21E-05	4.58E-06	7.62E-12	2.3E-11	1.82E-11	1.32E-14	3.19E-13	1.75925E-14	3.49487E-13	2.471E-08	3.2088E-05	4.58443E-06	7.7988E-12	5.33438E-14	3.89263E-12	8.8752E-15
19	571030.6	4177919	0.55, 41779	0.12254	0.14609	0.11762	125.39004	62.99788	174.41478	17.19472	10.49965	21.80185	2.31E-08	3.43E-05	4.28E-06	7.13E-12	2.15E-11	1.7E-11	1.23E-14	2.98E-13	1.64594E-14	3.26977E-13	2.312E-08	3.4274E-05	4.28466E-06	7.29651E-12	4.99081E-14	3.64192E-12	8.30358E-15
20	571070.6	4177919	0.55, 41779	0.1201	0.14847	0.1104	126.80092	67.58831	177.9713	16.22667	10.87469	22.24641	2.17E-08	3.5E-05	4.37E-06	6.7E-12	2.02E-11	1.6E-11	1.16E-14	2.8E-13	1.54495E-14	3.06914E-13	2.17E-08	3.4973E-05	4.37196E-06	6.8488E-12	4.68458E-14	3.41846E-12	7.79408E-15
21	571110.6	4177919	0.55, 41779	0.1205	0.15044	0.10927	126.62476	68.47754	165.66905	20.2586	9.61445	20.70863	2.15E-08	3.26E-05	4.07E-06	6.63E-12	2E-11	1.58E-11	1.15E-14	2.77E-13	1.52915E-14	3.03775E-13	2.148E-08	3.2555E-05	4.07002E-06	6.77876E-12	4.63667E-14	3.3835E-12	7.71437E-15
22	571150.6	4177919	0.55, 41779	0.1212	0.15159	0.11602	131.66409	62.22893	172.39569	21.10658	9.19459	24.99313	2.28E-08	3.39E-05	4.91E-06	7.04E-12	2.12E-11	1.68E-11	1.22E-14	2.94E-13	1.62358E-14	3.22535E-13	2.28E-08	3.3877E-05	4.91191E-06	7.19737E-12	4.923E-14	3.59244E-12	8.19076E-15
23	571190.6	4177919	0.55, 41779	0.12215	0.15198	0.11825	137.85581	66.48698	180.99172	19.69369	10.25241	26.94632	2.32E-08	3.56E-05	5.3E-06	7.17E-12	2.17E-11	1.71E-11	1.24E-14	3E-13	1.65477E-14	3.28732E-13	2.324E-08	3.5566E-05	5.2956E-06	7.33567E-12	5.0176E-14	3.66147E-12	8.34815E-15
24	571230.6	4177919	0.55, 41779	0.12354	0.15154	0.11348	148.65332	75.08948	179.38421	21.23619	9.50538	22.42303	2.23E-08	3.53E-05	4.41E-06	6.88E-12	2.08E-11	1.64E-11	1.19E-14	2.88E-13	1.58804E-14	3.15476E-13	2.231E-08	3.5251E-05	4.40693E-06	7.03986E-12	4.81526E-14	3.51382E-12	8.01151E-15
25	571270.6	4177919	0.55, 41779	0.12544	0.15047	0.11372	135.01221	73.55453	181.97135	18.66937	9.80753	25.99591	2.24E-08	3.58E-05	5.11E-06	6.9E-12	2.08E-11	1.65E-11	1.19E-14	2.88E-13	1.5914E-14	3.16142E-13	2.235E-08	3.5759E-05	5.10881E-06	7.05473E-12	4.82544E-14	3.52124E-12	8.02843E-15
26	571310.6	4177919	0.55, 41779	0.12844	0.14895	0.1185	144.25948	74.57026	160.72945	18.03243	9.63087	20.79832	2.33E-08	3.16E-05	4.09E-06	7.19E-12	2.17E-11	1.71E-11	1.24E-14	3E-13	1.65826E-14	3.29425E-13	2.329E-08	3.1585E-05	4.08753E-06	7.35114E-12	5.02818E-14	3.66919E-12	8.36575E-15
27	571350.6	4177919	0.55, 41779	0.13264	0.1484	0.12186	134.13439	65.82548	182.86761	16.7668	8.49886	22.85845	2.4E-08	3.59E-05	4.49E-06	7.39E-12	2.23E-11	1.76E-11	1.28E-14	3.09E-13	1.70526E-14	3.38763E-13	2.395E-08	3.5935E-05	4.49224E-06	7.5595E-12	5.1707E-14	3.77319E-12	8.60287E-15
28	571390.6	4177919	0.55, 41779	0.13487	0.1464	0.12015	140.45529	51.40311	177.22554	17.55691	7.98518	22.15319	2.36E-08	3.48E-05	4.35E-06	7.29E-12	2.2E-11	1.74E-11	1.26E-14	3.05E-13	1.68134E-14	3.3401E-13	2.362E-08	3.4825E-05	4.35371E-06	7.45343E-12	5.09815E-14	3.72025E-12	8.48216E-15
29	571430.6	4177919	0.55, 41779	0.14548	0.15293	0.12366	139.19794	49.3636	190.22803	17.39974	7.65374	23.7785	2.43E-08	3.74E-05	4.67E-06	7.5E-12	2.26E-11	1.79E-11	1.3E-14	3.13E-13	1.73047E-14	3.43769E-13	2.431E-08	3.738E-05	4.67305E-06	7.67122E-12	5.24711E-14	3.82895E-12	8.73001E-15
30	571470.6	4177919	0.55, 41779	0.15916	0.16179	0.13045	134.87595	45.89373	190.37308	16.85949	6.86379	23.79664	2.56E-08	3.74E-05	4.68E-06	7.91E-12	2.39E-11	1.89E-11	1.37E-14	3.31E-13	1.82549E-14	3.62646E-13	2.564E-08	3.7408E-05	4.67659E-06	8.09245E-12	5.53524E-14	4.0392E-12	9.20938E-15
31	571510.6	4177919	0.55, 41779	0.17426	0.17151	0.14116	122.2315	42.4201	161.48029	15.27894	5.85942	20.18504	2.77E-08	3.17E-05	3.97E-06	8.56E-12	2.59E-11	2.04E-11	1.48E-14	3.58E-13	1.97535E-14	3.92417E-13	2.775E-08	3.1731E-05	3.96688E-06	8.7568E-12	5.98965E-14	4.3708E-12	9.96542E-15
32	571550.6	4177919	0.55, 41779	0.18787	0.18026	0.15558	112.99449	35.73716	155.78517	14.12431	5.76206	19.47315	3.06E-08	3.06E-05	3.83E-06	9.44E-12	2.85E-11	2.25E-11	1.63E-14	3.94E-13	2.17711E-14	4.32497E-13	3.058E-08	3.0612E-05	3.82694E-06	9.65119E-12	6.60142E-14	4.81722E-12	1.09833E-14
33	571590.6	4177919	0.55, 41779	0.19949	0.18751	0.17419	94.68734	29.26563	123.69427	11.83592	5.30509	15.46178	3.42E-08	2.43E-05	3.04E-06	1.06E-11	3.19E-11	2.52E-11	1.83E-14	4.42E-13	2.43747E-14	4.84221E-13	3.424E-08	2.4306E-05	3.03864E-06	1.08054E-11	7.39089E-14	5.39332E-12	1.22968E-14
34	570310.6	4177959	0.55, 41779	0.08597	0.06676	0.0838	56.89619	26.25101	62.23098	7.11202	4.18522	7.77887	1.65E-08	1.22E-05	1.53E-06	5.08E-12	1.53E-11	1.21E-11	8.79E-15	2.12E-13	1.17254E-14	2.32934E-13	1.647E-08	1.2229E-05	1.52881E-06	5.19793E-12	3.55538E-14	2.59445E-12	5.91535E-15
35	570350.6	4177959	0.55, 41779	0.09204	0.07257	0.08995	58.96006	27.16756	63.77509	7.37001	4.19821	7.97189	1.77E-08	1.25E-05	1.57E-06	5.46E-12	1.65E-11	1.3E-11	9.44E-15	2.28E-13	1.2586E-14	2.50029E-13	1.768E-08	1.2532E-05	1.56675E-06	5.57941E-12	3.81632E-14	2.78486E-12	6.34949E-15
36	570390.6	4177959	0.55, 41779	0.09833	0.07904	0.09639	63.0038	28.02201	66.12463	7.87548	4.15896	8.26558	1.89E-08	1.3E-05	1.62E-06	5.85E-12	1.77E-11	1.39E-11	1.01E-14	2.44E-13	1.34871E-14	2.67931E-13	1.894E-08	1.2994E-05	1.62449E-06	5.97889E-12	4.08956E-14	2.98426E-12	6.8041E-15
37	570430.6	4177959	0.55, 41779	0.10461	0.08611	0.10266	70.72142	28.76698	72.80329	8.84018	4.23038	9.10041	2.02E-08	1.43E-05	1.79E-06	6.23E-12	1.88E-11	1.48E-11	1.08E-14	2.6E-13	1.43645E-14	2.85361E-13	2.018E-08	1.4307E-05	1.78857E-06	6.36784E-12	4.3556E-14	3.17839E-12	7.24673E-15
38	570470.6	4177959	0.55, 41779	0.11098	0.09385	0.10929	78.78718	29.82596	80.74124	9.8484	4.47695	10.09265	2.15E-08	1.59E-05	1.98E-06	6.63E-12	2E-11	1.58E-11	1.15E-14	2.77E-13	1.52923E-14	3.03792E-13	2.148E-08	1.5866E-05	1.98358E-06	6.77912E-12	4.63692E-14	3.38367E-12	7.71478E-15
39	570510.6	4177959	0.55, 41779	0.1169	0.10189	0.11567	83.26174	30.87615	84.48278	10.40772	4.70339	10.56035	2.27E-08	1.66E-05	2.08E-06	7.01E-12	2.12E-11	1.67E-11	1.21E-14	2.93E-13	1.61851E-14	3.21528E-13	2.273E-08	1.6602E-05	2.07551E-06	7.1749E-12	4.90763E-14	3.58122E-12	8.16518E-15
40	570550.6	4177959	0.55, 41779	0.12213	0.11	0.12099	82.46075	31.83495	82.01237	10.30759	4.9071	10.25155	2.38E-08	1.61E-05	2.01E-06	7.34E-12	2.22E-11	1.75E-11	1.27E-14	3.07E-13	1.69296E-14	3.36318E-13	2.378E-08	1.6116E-05	2.01483E-06	7.50495E-12	5.13338E-14	3.74596E-12	8.54078E-15
41	570590.6	4177959	0.55, 41779	0.1275	0.1185	0.12492	87.61849	32.53805	91.54904	10.95231	5.6614	11.44363	2.46E-08	1.8E-05	2.25E-06	7.58E-12	2.29E-11	1.81E-11	1.31E-14	3.17E-13	1.74797E-14	3.47246E-13	2.455E-08	1.799E-05	2.24909E-06	7.7488E-12	5.30018E-14	3.86767E-12	8.81829E-15
42	570630.6	4177959	0.55, 41779	0.13429	0.12721	0.12893	94.25098	33.95012	99.61773	11.78137	6.34882	12.45222	2.53E-08	1.96E-05	2.45E-06	7.82E-12	2.36E-11	1.86E-11	1.35E-14	3.27E-13	1.80409E-14	3.58396E-13	2.534E-08	1.9576E-05	2.44731E-06	7.99762E-12	5.47037E-14	3.99187E-12	9.10146E-15
43	570670.6	4177959	0.55, 41779	0.1434	0.13582	0.13624	91.47953	35.4429	96.20253	12.89467	6.97952	13.63762	2.68E-08	1.89E-05	2.68E-06	8.26E-12	2.49E-11	1.97E-11	1.43E-14	3.45E-13	1.90639E-14	3.78717E-13	2.678E-08	1.8905E-05	2.68028E-06	8.45109E-12	5.78054E-14	4.21821E-12	9.61751E-15
44	570710.6	4177959	0.55, 41779	0.15342	0.14402	0.1467	103.54122	38.62398	108.53691	12.94265	7.57754	15.98544	2.88E-08	2.13E-05	3.14E-06	8.9E-12	2.69E-11	2.12E-11	1.54E-14	3.72E-13	2.05274E-14	4.07792E-13	2.883E-08	2.1328E-05	3.14159E-06	9.0999E-12	6.22433E-14	4.54205E-12	1.03559E-14
45	570750.6	4177959	0.55, 41779	0.16261	0.1515	0.15549	105.52732	44.38977	114.23814	13.19092	8.09206	15.7724	3.06E-08	2.24E-05	3.1E-06	9.43E-12	2.85E-11	2.25E-11	1.63E-14	3.94E-13	2.17574E-14	4.32226E-13	3.056E-08	2.2449E-05	3.09975E-06	9.64513E-12	6.59727E-14	4.81419E-12	1.09764E-14
46	570790.6	4177959	0.55, 41779	0.16989	0.15823	0.16076	113.60479	47.24143	124.57926	14.2006	8.3928	15.57241	3.16E-08	2.45E-05	3.06E-06	9.75E-12	2.94E-11	2.33E-11	1.69E-14	4.08E-13	2.24949E-14	4.46876E-13	3.16E-08	2.4481E-05	3.06051E-06	9.97206E-12	6.82089E-14	4.97737E-12	1.13484E-14
47	570830.6	4177959	0.55, 41779	0.1738	0.16401	0.16481	115.20896	49.45722	130.36471	14.40112	8.28774	16.29559	3.24E-08	2.56E-05	3.2E-06	1E-11	3.02E-11	2.38E-11	1.73E-14	4.18E-13	2.30616E-14	4.58135E-13	3.239E-08	2.5618E-05	3.20261E-06	1.02233E-11	6.99274E-14	5.10278E-12	1.16343E-14
48	570870.6	4177959	0.55, 41779	0.17339	0.16851	0.16469	122.33209	52.01335	138.82114	15.29151	7.46689	17.35264	3.24E-08	2.73E-05	3.41E-06	9.99E-12	3.02E-11	2.38E-11	1.73E-14	4.17E-13	2.3045E-14	4.57805E-13	3.237E-08	2.7279E-05	3.41035E-06	1.02159E-11	6.9877E-14	5.0991E-12	1.16259E-14
49	570910.6	4177959	0.55, 41779	0.16973	0.17204	0.1579	128.70888	55.67631	149.19916	16.08861	6.95954	18.64989	3.1E-08	2.93E-05	3.67E-06	9.58E-12	2.89E-11	2.28E-11	1.66E-14	4E-13	2.20952E-14	4.38938E-13	3.103E-08	2.9319E-05	3.66529E-06	9.79491E-12	6.69972E-14	4.88895E-12	1.11468E-14
50	570950.6	4177959	0.55, 41779	0.16375	0.1746	0.15354	137.78687	58.35606	146.62449	21.41966	8.40086	22.62642	3.02E-08	2.88E-05	4.45E-06	9.31E-12	2.81E-11	2.22E-11	1.61E-14	3.89E-13	2.14854E-14	4.26822E-13	3.018E-08	2.8813E-05	4.4469E-06	9.52456E-12	6.5148E-14	4.75401E-12	1.08391E-14
51	570990.6	4177959	0.55, 41779	0.1571	0.17611	0.15296	148.41379	62.43724	189.01685	21.20197	10.20575	28.13097	3.01E-08	3.71E-05	5.53E-06	9.28E-12	2.8E-11	2.21E-11	1.61E-14	3.88E-13	2.14043E-14	4.25211E-13	3.006E-08	3.7143E-05	5.52845E-06	9.4886E-12	6.4902E-14	4.73606E-12	1.07982E-14
52	571030.6	4177959	0.55, 41779	0.15135	0.1787	0.14372	141.29712	68.4386	198.29024	19.05284	11.40643	25.9054	2.82E-08	3.9E-05	5.09E-06	8.72E-12	2.63E-11	2.08E-11	1.51E-14	3.64E-13	2.01118E-14	3.99534E-13	2.825E-08	3.8965E-05	5.09104E-06	8.91562E-12	6.09828E-14	4.45007E-12	1.01462E-14
53	571070.6	4177959	0.55, 41779	0.14838	0.1815	0.13361	143.49488	74.36914	202.29359	18.79197	11.80682	25.2867	2.63E-08	3.98E-05	4.97E-06	8.1E-12	2.45E-11	1.93E-11	1.4E-14	3.39E-13	1.86976E-14	3.7144E-13	2.626E-08	3.9752E-05	4.96946E-06	8.2887E-12	5.66947E-14	4.13715E-12	9.43271E-15
54	571110.6	4177959	0.55, 41779	0.14858	0.18375	0.13332	140.62761	73.34522	192.64407	22.74237	10.22286	24.08051	2.62E-08	3.79E-05	4.73E-06	8.09E-12	2.44E-11	1.93E-11	1.4E-14	3.38E-13	1.86571E-14	3.70636E-13	2.621E-08	3.7856E-05	4.73268E-06	8.27075E-12	5.65719E-14	4.1282E-12	9.41229E-15
55	571150.6	4177959	0.55, 41779	0.14994	0.18566	0.14292	146.3467	67.83983	199.40983	22.92053	11.48399	30.37919	2.81E-08	3.92E-05	5.97E-06	8.67E-12	2.62E-11	2.07E-11	1.5E-14	3.62E-13	2.00001E-14	3.97316E-13	2.809E-08	3.9185E-05	5.97028E-06	8.86611E-12	6.06442E-14	4.42536E-12	1.00898E-14
56	571190.6	4177959	0.55, 41779	0.1525	0.18616	0.14359	161.89014	78.97315	204.49698	23.12716	11.84075	29.21385	2.82E-08	4.02E-05	5.74E-06	8.71E-12	2.63E-11	2.08E-11	1.51E-14	3.64E-13	2.00938E-14	3.99178E-13	2.822E-08	4.0185E-05	5.74132E-06	8.90768E-12	6.09285E-14	4.44611E-12	1.01371E-14
57	571230.6	4177959	0.55, 41779	0.15542	0.18516	0.1383	156.07845	81.92899	197.17574	22.29692	11.22006	24.64697	2.72E-08	3.87E-05	4.84E-06	8.39E-12	2.53E-11	2E-11	1.45E-14	3.51E-13	1.93538E-14	3.84477E-13	2.718E-08	3.8747E-05	4.84396E-06	8.57961E-12	5.86845E-14	4.28236E-12	9.76378E-15
58	571270.6	4177959	0.55, 41779	0.15909	0.18379	0.14205	158.42767	82.70179	205.30007	19.80346	11.54254	29.32858	2.79E-08	4.03E-05	5.76E-06	8.62E-12	2.6E-11	2.05E-11	1.49E-14	3.6E-13	1.98784E-14	3.94897E-13	2.792E-08	4.0343E-05	5.76369E-06	8.81215E-12	6.02751E-14	4.39843E-12	1.00284E-14
59	571310.6	4177959	0.55, 41779	0.1655	0.18382	0.1484	150.26158	75.50789	204.0765	18.7827	10.48328	25.50956	2.92E-08	4.01E-05	5.01E-06	9E-12	2.72E-11	2.15E-11	1.56E-14	3.76E-13	2.07667E-14	4.12545E-13	2.917E-08	4.0102E-05	5.01325E-06	9.20595E-12	6.29687E-14	4.59498E-12	1.04766E-14
60	571350.6	4177959	0.55, 41779	0.17654	0.1881	0.15257	154.82597	60.83045	189.56737	19.35325	9.71095	23.69592	3E-08	3.73E-05	4.66E-06	9.25E-12	2.79E-11	2.21E-11	1.6E-14	3.87E-13	2.13502E-14	4.24137E-13	2.999E-08	3.7251E-05	4.65693E-06	9.46463E-12	6.47381E-14	4.7241E-12	1.07709E-14
61	571390.6	4177959	0.55, 41779	0.18842	0.1934	0.15428	152.92189	54.55359	214.59873	19.11524	9.16318	26.82484	3.03E-08	4.22E-05	5.27E-06	9.36E-12	2.83E-11	2.23E-11	1.62E-14	3.91E-13	2.15897E-14	4.28894E-13	3.032E-08	4.2169E-05	5.2717E-06	9.57078E-12	6.54641E-14	4.77708E-12	1.08917E-14
62	571430.6	4177959	0.55, 41779	0.20645	0.20414	0.16292	148.33328	50.38722	217.66749	18.54166	8.09078	27.20844	3.2E-08	4.28E-05	5.35E-06	9.88E-12	2.98E-11	2.36E-11	1.71E-14	4.13E-13	2.27987E-14	4.52913E-13	3.202E-08	4.2772E-05	5.34704E-06	1.01068E-11	6.91303E-14	5.04461E-12	1.15017E-14
63	571470.6	4177959	0.55, 41779	0.22554	0.21577	0.17809	134.13897	46.24246	185.84967	16.76737	6.92684	23.23121	3.5E-08	3.65E-05	4.57E-06	1.08E-11	3.26E-11	2.58E-11	1.87E-14	4.51E-13	2.49214E-14	4.9508E-13	3.5E-08	3.652E-05	4.56548E-06	1.10477E-11	7.55665E-14	5.51428E-12	1.25725E-14
64	571510.6	4177959	0.55, 41779	0.24332	0.22654	0.20114	122.33786	38.55117	174.21255	15.29223	6.75463	21.77657	3.95E-08	3.42E-05	4.28E-06	1.22E-11	3.68E-11	2.91E-11	2.11E-14	5.1E-13	2.81463E-14	5.59145E-13	3.953E-08	3.4233E-05	4.27959E-06	1.24773E-11	8.5345E-14	6.22784E-12	1.41995E-14
65	571550.6	4177959	0.55, 41779	0.25539	0.23344	0.22684	100.38932	31.1899	131.18831	12.54867	6.13877	16.39854	4.46E-08	2.58E-05	3.22E-06	1.38E-11	4.15E-11	3.28E-11	2.38E-14	5.75E-13	3.17417E-14	6.30572E-13	4.458E-08	2.5779E-05	3.22274E-06	1.40712E-11	9.62472E-14	7.0234E-12	1.60133E-14
66	571590.6	4177959	0.55, 41779	0.26174	0.2364	0.25018	103.20811	24.1035	113.64553	12.90101	5.55119	14.20569	4.92E-08	2.23E-05	2.79E-06	1.52E-11	4.58E-11	3.62E-11	2.63E-14	6.34E-13	3.50069E-14	6.95436E-13	4.917E-08	2.2331E-05	2.7919E-06	1.55187E-11	1.06148E-13	7.74587E-12	1.76606E-14
67	570310.6	4177999	0.55, 41779	0.08992	0.06909	0.08739	61.55411	26.71644	63.33313	7.69426	4.42886	7.91664	1.72E-08	1.24E-05	1.56E-06	5.3E-12	1.6E-11	1.26E-11	9.17E-15	2.22E-13	1.22277E-14	2.42912E-13	1.717E-08	1.2446E-05	1.55591E-06	5.4206E-12	3.70769E-14	2.70559E-12	6.16876E-15
68	570350.6	4177999	0.55, 41779	0.09687	0.07551	0.09431	63.16088	27.72336	68.96816	7.89511	4.52605	8.62102	1.85E-08	1.36E-05	1.69E-06	5.72E-12	1.73E-11	1.36E-11	9.9E-15	2.39E-13	1.3196E-14	2.62148E-13	1.853E-08	1.3553E-05	1.69432E-06	5.84985E-12	4.00129E-14	2.91984E-12	6.65725E-15
69	570390.6	4177999	0.55, 41779	0.10411	0.08268	0.10154	65.18315	28.66629	70.59128	8.14789	4.5901	8.82391	2E-08	1.39E-05	1.73E-06	6.16E-12	1.86E-11	1.47E-11	1.07E-14	2.57E-13	1.42077E-14	2.82246E-13	1.996E-08	1.3872E-05	1.7342E-06	6.29833E-12	4.30806E-14	3.1437E-12	7.16763E-15
70	570430.6	4177999	0.55, 41779	0.11178	0.0909	0.10932	69.77828	29.77159	73.90272	8.72229	4.64595	9.23784	2.15E-08	1.45E-05	1.82E-06	6.63E-12	2E-11	1.58E-11	1.15E-14	2.77E-13	1.52964E-14	3.03873E-13	2.148E-08	1.4523E-05	1.81557E-06	6.78093E-12	4.63816E-14	3.38458E-12	7.71684E-15
71	570470.6	4177999	0.55, 41779	0.11947	0.09994	0.11702	73.23749	30.82615	79.61188	9.15469	4.70414	9.95148	2.3E-08	1.56E-05	1.96E-06	7.1E-12	2.14E-11	1.69E-11	1.23E-14	2.97E-13	1.63739E-14	3.25278E-13	2.3E-08	1.5644E-05	1.95581E-06	7.25859E-12	4.96488E-14	3.623E-12	8.26043E-15
72	570510.6	4177999	0.55, 41779	0.12689	0.1096	0.1248	83.36058	31.87471	86.19643	10.42007	5.00665	10.77455	2.45E-08	1.69E-05	2.12E-06	7.57E-12	2.29E-11	1.81E-11	1.31E-14	3.16E-13	1.74626E-14	3.46906E-13	2.453E-08	1.6938E-05	2.1176E-06	7.74122E-12	5.29499E-14	3.86389E-12	8.80967E-15
73	570550.6	4177999	0.55, 41779	0.1338	0.11968	0.13227	93.92369	33.13511	96.59692	11.74046	5.30601	12.07462	2.6E-08	1.9E-05	2.37E-06	8.02E-12	2.42E-11	1.91E-11	1.39E-14	3.35E-13	1.85079E-14	3.67673E-13	2.6E-08	1.8982E-05	2.37311E-06	8.20463E-12	5.61197E-14	4.09519E-12	9.33704E-15
74	570590.6	4177999	0.55, 41779	0.14077	0.13095	0.13895	98.98148	34.43475	100.81152	12.37268	5.77536	12.60144	2.73E-08	1.98E-05	2.48E-06	8.43E-12	2.54E-11	2.01E-11	1.46E-14	3.52E-13	1.94428E-14	3.86245E-13	2.731E-08	1.981E-05	2.47666E-06	8.61907E-12	5.89544E-14	4.30205E-12	9.80868E-15
75	570630.6	4177999	0.55, 41779	0.14863	0.14246	0.14416	96.29887	35.58815	97.29546	12.03736	6.62596	12.16193	2.83E-08	1.91E-05	2.39E-06	8.74E-12	2.64E-11	2.09E-11	1.51E-14	3.65E-13	2.01721E-14	4.00732E-13	2.833E-08	1.9119E-05	2.39028E-06	8.94235E-12	6.11657E-14	4.46341E-12	1.01766E-14
76	570670.6	4177999	0.55, 41779	0.15906	0.15417	0.15133	108.0953	37.02771	115.61321	13.51191	7.37805	14.45165	2.97E-08	2.27E-05	2.84E-06	9.18E-12	2.77E-11	2.19E-11	1.59E-14	3.84E-13	2.11755E-14	4.20666E-13	2.974E-08	2.2719E-05	2.84026E-06	9.38718E-12	6.42083E-14	4.68544E-12	1.06828E-14
77	570710.6	4177999	0.55, 41779	0.17207	0.16581	0.16328	109.21603	39.28347	116.55796	14.39109	8.06843	17.60456	3.21E-08	2.29E-05	3.46E-06	9.9E-12	2.99E-11	2.36E-11	1.71E-14	4.14E-13	2.28476E-14	4.53885E-13	3.209E-08	2.2904E-05	3.4598E-06	1.01284E-11	6.92786E-14	5.05543E-12	1.15264E-14
78	570750.6	4177999	0.55, 41779	0.18601	0.17706	0.17647	119.66853	46.10023	126.10142	14.95857	8.7788	16.77146	3.47E-08	2.48E-05	3.3E-06	1.07E-11	3.23E-11	2.55E-11	1.85E-14	4.47E-13	2.46932E-14	4.90549E-13	3.468E-08	2.478E-05	3.29614E-06	1.09466E-11	7.48748E-14	5.4638E-12	1.24575E-14
79	570790.6	4177999	0.55, 41779	0.19953	0.18772	0.18696	122.67556	49.8289	134.57394	15.33445	9.45426	16.82174	3.67E-08	2.64E-05	3.31E-06	1.13E-11	3.42E-11	2.7E-11	1.96E-14	4.74E-13	2.61611E-14	5.19709E-13	3.674E-08	2.6445E-05	3.30604E-06	1.15973E-11	7.93257E-14	5.78859E-12	1.3198E-14
80	570830.6	4177999	0.55, 41779	0.21109	0.19773	0.1968	133.54261	52.4094	148.58094	16.69283	9.90962	18.57262	3.87E-08	2.92E-05	3.65E-06	1.19E-11	3.6E-11	2.85E-11	2.07E-14	4.99E-13	2.7538E-14	5.47062E-13	3.868E-08	2.9197E-05	3.65014E-06	1.22077E-11	8.35007E-14	6.09326E-12	1.38926E-14
81	570870.6	4177999	0.55, 41779	0.21804	0.20674	0.20398	131.45449	55.15858	156.57352	16.43181	9.77159	19.57169	4.01E-08	3.08E-05	3.85E-06	1.24E-11	3.74E-11	2.95E-11	2.14E-14	5.17E-13	2.85428E-14	5.67022E-13	4.009E-08	3.0768E-05	3.84643E-06	1.26531E-11	8.65473E-14	6.31558E-12	1.43995E-14
82	570910.6	4177999	0.55, 41779	0.21803	0.21414	0.20286	148.11273	59.13207	173.84644	18.51409	8.43226	21.73081	3.99E-08	3.42E-05	4.27E-06	1.23E-11	3.71E-11	2.93E-11	2.13E-14	5.14E-13	2.83863E-14	5.63915E-13	3.987E-08	3.4162E-05	4.27077E-06	1.25838E-11	8.6073E-14	6.28096E-12	1.43206E-14
83	570950.6	4177999	0.55, 41779	0.2114	0.21889	0.19586	140.12444	63.58464	170.21851	21.83562	9.32684	21.27731	3.85E-08	3.34E-05	4.18E-06	1.19E-11	3.59E-11	2.83E-11	2.06E-14	4.97E-13	2.74073E-14	5.44464E-13	3.85E-08	3.3449E-05	4.18184E-06	1.21497E-11	8.31042E-14	6.06432E-12	1.38267E-14
84	570990.6	4177999	0.55, 41779	0.2013	0.22185	0.19061	171.25011	67.61488	221.4052	25.43318	11.18299	33.45295	3.75E-08	4.35E-05	6.57E-06	1.16E-11	3.49E-11	2.76E-11	2E-14	4.83E-13	2.66729E-14	5.29876E-13	3.746E-08	4.3507E-05	6.57437E-06	1.18242E-11	8.08775E-14	5.90183E-12	1.34562E-14
85	571030.6	4177999	0.55, 41779	0.19301	0.22456	0.1804	161.4506	75.02365	233.40135	21.94671	12.50394	33.34305	3.55E-08	4.59E-05	6.55E-06	1.09E-11	3.3E-11	2.61E-11	1.89E-14	4.57E-13	2.52447E-14	5.01503E-13	3.546E-08	4.5864E-05	6.55259E-06	1.11911E-11	7.65469E-14	5.58582E-12	1.27357E-14
86	571070.6	4177999	0.55, 41779	0.18927	0.22808	0.16676	165.36156	82.48884	231.46597	21.97245	12.95225	28.93325	3.28E-08	4.55E-05	5.69E-06	1.01E-11	3.05E-11	2.41E-11	1.75E-14	4.23E-13	2.33367E-14	4.636E-13	3.278E-08	4.5484E-05	5.68613E-06	1.03452E-11	7.07614E-14	5.16364E-12	1.17731E-14
87	571110.6	4177999	0.55, 41779	0.18141	0.21619	0.16049	158.60632	80.72549	237.56536	25.62624	11.81551	29.69982	3.15E-08	4.67E-05	5.84E-06	9.73E-12	2.94E-11	2.32E-11	1.68E-14	4.07E-13	2.24591E-14	4.46166E-13	3.155E-08	4.6683E-05	5.83694E-06	9.95622E-12	6.81005E-14	4.96947E-12	1.13304E-14
88	571150.6	4177999	0.55, 41779	0.19202	0.23351	0.18032	164.05988	80.42402	231.86209	24.96785	14.13496	37.65816	3.54E-08	4.56E-05	7.4E-06	1.09E-11	3.3E-11	2.61E-11	1.89E-14	4.57E-13	2.52338E-14	5.01287E-13	3.544E-08	4.5562E-05	7.4006E-06	1.11862E-11	7.65139E-14	5.58341E-12	1.27302E-14
89	571190.6	4177999	0.55, 41779	0.1978	0.23414	0.17819	182.21875	91.74664	241.78028	26.03125	13.21695	31.92825	3.5E-08	4.75E-05	6.27E-06	1.08E-11	3.26E-11	2.58E-11	1.87E-14	4.52E-13	2.49359E-14	4.95369E-13	3.502E-08	4.7512E-05	6.27482E-06	1.10542E-11	7.56105E-14	5.51749E-12	1.25799E-14
90	571230.6	4177999	0.55, 41779	0.20367	0.23289	0.17473	172.67663	91.69738	231.55794	22.62496	13.85272	33.07971	3.43E-08	4.55E-05	6.5E-06	1.06E-11	3.2E-11	2.53E-11	1.83E-14	4.43E-13	2.44518E-14	4.85753E-13	3.434E-08	4.5503E-05	6.50088E-06	1.08396E-11	7.41428E-14	5.41039E-12	1.23357E-14
91	571270.6	4177999	0.55, 41779	0.21358	0.23476	0.18394	171.66845	86.35935	210.57834	21.45856	13.01074	28.58393	3.62E-08	4.14E-05	5.62E-06	1.12E-11	3.37E-11	2.66E-11	1.93E-14	4.66E-13	2.57403E-14	5.1135E-13	3.615E-08	4.1381E-05	5.61746E-06	1.14108E-11	7.80497E-14	5.69549E-12	1.29857E-14
92	571310.6	4177999	0.55, 41779	0.23025	0.24083	0.19159	171.26207	72.34733	231.62674	21.40776	11.81711	28.95334	3.77E-08	4.55E-05	5.69E-06	1.16E-11	3.51E-11	2.77E-11	2.01E-14	4.86E-13	2.68108E-14	5.32614E-13	3.766E-08	4.5516E-05	5.69004E-06	1.18853E-11	8.12955E-14	5.93234E-12	1.35257E-14
93	571350.6	4177999	0.55, 41779	0.25373	0.25254	0.198	169.27826	60.68614	249.61103	21.15978	11.13084	31.20138	3.89E-08	4.9E-05	6.13E-06	1.2E-11	3.63E-11	2.86E-11	2.08E-14	5.02E-13	2.77079E-14	5.50438E-13	3.892E-08	4.9049E-05	6.13174E-06	1.2283E-11	8.4016E-14	6.13086E-12	1.39784E-14
94	571390.6	4177999	0.55, 41779	0.27999	0.26698	0.21185	164.13881	55.69534	253.30621	20.51735	9.69774	31.66328	4.16E-08	4.98E-05	6.22E-06	1.28E-11	3.88E-11	3.06E-11	2.22E-14	5.37E-13	2.9646E-14	5.88939E-13	4.164E-08	4.9774E-05	6.22246E-06	1.31422E-11	8.98926E-14	6.55969E-12	1.49561E-14
95	571430.6	4177999	0.55, 41779	0.30187	0.27888	0.2328	148.06777	50.74185	217.39094	18.50847	8.30154	27.17387	4.58E-08	4.27E-05	5.34E-06	1.41E-11	4.26E-11	3.37E-11	2.44E-14	5.9E-13	3.25772E-14	6.47169E-13	4.576E-08	4.2717E-05	5.34025E-06	1.44416E-11	9.87806E-14	7.20827E-12	1.64348E-14
96	571470.6	4177999	0.55, 41779	0.32222	0.29016	0.268	133.22849	41.8567	195.88733	16.65356	8.00082	24.48592	5.27E-08	3.85E-05	4.81E-06	1.63E-11	4.91E-11	3.88E-11	2.81E-14	6.79E-13	3.75018E-14	7.45E-13	5.267E-08	3.8492E-05	4.81201E-06	1.66247E-11	1.13713E-13	8.29792E-12	1.89193E-14
97	571510.6	4177999	0.55, 41779	0.33311	0.29527	0.30394	113.25391	33.39085	138.27651	14.15674	7.16119	17.28456	5.97E-08	2.72E-05	3.4E-06	1.84E-11	5.57E-11	4.4E-11	3.19E-14	7.7E-13	4.25297E-14	8.44882E-13	5.974E-08	2.7171E-05	3.39692E-06	1.88536E-11	1.28958E-13	9.41042E-12	2.14558E-14
98	571550.6	4177999	0.55, 41779	0.33431	0.29408	0.33024	118.79132	25.19774	142.42424	14.84891	6.75336	17.80303	6.49E-08	2.8E-05	3.5E-06	2E-11	6.05E-11	4.78E-11	3.47E-14	8.37E-13	4.62088E-14	9.1797E-13	6.49E-08	2.7986E-05	3.49883E-06	2.04845E-11	1.40114E-13	1.02245E-11	2.33118E-14
99	571590.6	4177999	0.55, 41779	0.32897	0.28857	0.34209	117.12124	19.87515	150.29933	14.64016	6.7762	18.78742	6.72E-08	2.95E-05	3.69E-06	2.07E-11	6.26E-11	4.95E-11	3.59E-14	8.67E-13	4.78662E-14	9.50897E-13	6.723E-08	2.9533E-05	3.69223E-06	2.12193E-11	1.4514E-13	1.05912E-11	2.4148E-14
100	570310.6	4178039	0.55, 41780	0.09395	0.07118	0.09114	60.38117	27.45867	68.75884	7.54765	4.57644	8.59485	1.79E-08	1.35E-05	1.69E-06	5.53E-12	1.67E-11	1.32E-11	9.56E-15	2.31E-13	1.27524E-14	2.53336E-13	1.791E-08	1.3512E-05	1.68916E-06	5.65319E-12	3.86678E-14	2.82169E-12	6.43345E-15
101	570350.6	4178039	0.55, 41780	0.10181	0.07823	0.09867	67.40685	28.30867	69.9761	8.42586	4.71811	8.74701	1.94E-08	1.38E-05	1.72E-06	5.98E-12	1.81E-11	1.43E-11	1.04E-14	2.5E-13	1.38061E-14	2.74267E-13	1.939E-08	1.3751E-05	1.71911E-06	6.12028E-12	4.18627E-14	3.05483E-12	6.965E-15
102	570390.6	4178039	0.55, 41780	0.11033	0.08626	0.10708	70.86935	29.39362	77.00767	8.85867	4.86131	9.62596	2.1E-08	1.51E-05	1.89E-06	6.49E-12	1.96E-11	1.55E-11	1.12E-14	2.71E-13	1.49828E-14	2.97645E-13	2.104E-08	1.5133E-05	1.89183E-06	6.64195E-12	4.54309E-14	3.31521E-12	7.55868E-15
103	570430.6	4178039	0.55, 41780	0.11935	0.09539	0.11615	72.77771	30.53752	78.92837	9.09721	4.99157	9.86605	2.28E-08	1.55E-05	1.94E-06	7.04E-12	2.13E-11	1.68E-11	1.22E-14	2.94E-13	1.6252E-14	3.22857E-13	2.283E-08	1.551E-05	1.93902E-06	7.20457E-12	4.92793E-14	3.59603E-12	8.19895E-15
104	570470.6	4178039	0.55, 41780	0.12876	0.10583	0.1256	77.88414	31.78332	83.40463	9.73552	5.12346	10.42558	2.47E-08	1.64E-05	2.05E-06	7.62E-12	2.3E-11	1.82E-11	1.32E-14	3.18E-13	1.75744E-14	3.49127E-13	2.468E-08	1.639E-05	2.04899E-06	7.79078E-12	5.32889E-14	3.88863E-12	8.86607E-15
105	570510.6	4178039	0.55, 41780	0.13797	0.11733	0.13491	81.61557	33.05226	90.60057	10.20195	5.27698	11.32507	2.65E-08	1.78E-05	2.23E-06	8.18E-12	2.47E-11	1.95E-11	1.42E-14	3.42E-13	1.88772E-14	3.75008E-13	2.651E-08	1.7804E-05	2.22575E-06	8.36832E-12	5.72393E-14	4.17689E-12	9.52332E-15
106	570550.6	4178039	0.55, 41780	0.14677	0.12979	0.14418	83.22783	34.40977	92.92473	10.40348	5.64664	11.61559	2.83E-08	1.83E-05	2.28E-06	8.74E-12	2.64E-11	2.09E-11	1.51E-14	3.65E-13	2.01744E-14	4.00779E-13	2.834E-08	1.826E-05	2.28285E-06	8.94339E-12	6.11728E-14	4.46393E-12	1.01778E-14
107	570590.6	4178039	0.55, 41780	0.15543	0.14397	0.15331	100.7883	35.81672	104.85134	12.59854	6.05306	13.10642	3.01E-08	2.06E-05	2.58E-06	9.3E-12	2.81E-11	2.22E-11	1.61E-14	3.89E-13	2.14521E-14	4.26162E-13	3.013E-08	2.0604E-05	2.57589E-06	9.50981E-12	6.50471E-14	4.74665E-12	1.08224E-14
108	570630.6	4178039	0.55, 41780	0.16446	0.15887	0.16086	114.63184	37.47906	118.86748	14.32898	6.85921	14.85844	3.16E-08	2.34E-05	2.92E-06	9.76E-12	2.95E-11	2.33E-11	1.69E-14	4.08E-13	2.25088E-14	4.47154E-13	3.162E-08	2.3358E-05	2.92023E-06	9.97826E-12	6.82513E-14	4.98047E-12	1.13555E-14
109	570670.6	4178039	0.55, 41780	0.17604	0.17458	0.16859	120.19022	39.09251	122.97013	15.02378	7.81169	15.37127	3.31E-08	2.42E-05	3.02E-06	1.02E-11	3.09E-11	2.44E-11	1.77E-14	4.27E-13	2.35908E-14	4.68648E-13	3.313E-08	2.4164E-05	3.02103E-06	1.04579E-11	7.15319E-14	5.21986E-12	1.19013E-14
110	570710.6	4178039	0.55, 41780	0.19156	0.191	0.18153	122.05191	40.81454	130.55962	15.86896	8.63568	17.88475	3.57E-08	2.57E-05	3.51E-06	1.1E-11	3.32E-11	2.63E-11	1.91E-14	4.6E-13	2.54016E-14	5.0462E-13	3.568E-08	2.5656E-05	3.51494E-06	1.12606E-11	7.70226E-14	5.62054E-12	1.28148E-14
111	570750.6	4178039	0.55, 41780	0.2105	0.20761	0.19902	132.53323	47.68084	144.79481	16.56665	9.43658	19.64627	3.91E-08	2.85E-05	3.86E-06	1.21E-11	3.64E-11	2.88E-11	2.09E-14	5.05E-13	2.78489E-14	5.53238E-13	3.912E-08	2.8453E-05	3.86109E-06	1.23455E-11	8.44434E-14	6.16205E-12	1.40495E-14
112	570790.6	4178039	0.55, 41780	0.23169	0.22417	0.21523	139.552	52.7884	147.64201	17.444	10.33029	19.40572	4.23E-08	2.9E-05	3.81E-06	1.31E-11	3.94E-11	3.11E-11	2.26E-14	5.46E-13	3.01172E-14	5.98299E-13	4.23E-08	2.9013E-05	3.81387E-06	1.33511E-11	9.13213E-14	6.66394E-12	1.51938E-14
113	570830.6	4178039	0.55, 41780	0.25382	0.24067	0.23208	145.24751	55.81087	161.73262	18.15594	11.28689	20.21658	4.56E-08	3.18E-05	3.97E-06	1.41E-11	4.25E-11	3.36E-11	2.44E-14	5.88E-13	3.2475E-14	6.45139E-13	4.561E-08	3.1781E-05	3.97323E-06	1.43963E-11	9.84706E-14	7.18565E-12	1.63833E-14
114	570870.6	4178039	0.55, 41780	0.27385	0.25672	0.25028	159.27674	59.06353	181.66903	19.90959	12.04587	22.70863	4.92E-08	3.57E-05	4.46E-06	1.52E-11	4.58E-11	3.62E-11	2.63E-14	6.34E-13	3.50216E-14	6.95729E-13	4.919E-08	3.5699E-05	4.46297E-06	1.55252E-11	1.06192E-13	7.74913E-12	1.7668E-14
115	570910.6	4178039	0.55, 41780	0.28498	0.272	0.26185	154.31681	63.03506	190.144	19.2896	11.80173	23.768	5.15E-08	3.74E-05	4.67E-06	1.59E-11	4.8E-11	3.79E-11	2.75E-14	6.64E-13	3.66407E-14	7.27894E-13	5.146E-08	3.7364E-05	4.67109E-06	1.6243E-11	1.11102E-13	8.10739E-12	1.84848E-14
116	570950.6	4178039	0.55, 41780	0.28313	0.28254	0.2606	178.15221	69.82475	214.80591	22.26903	10.41815	26.85074	5.12E-08	4.22E-05	5.28E-06	1.58E-11	4.77E-11	3.77E-11	2.73E-14	6.61E-13	3.64662E-14	7.24427E-13	5.122E-08	4.221E-05	5.27696E-06	1.61656E-11	1.10573E-13	8.06877E-12	1.83968E-14
117	570990.6	4178039	0.55, 41780	0.27042	0.28832	0.24711	188.87787	74.10995	223.28286	29.14051	12.35166	34.29706	4.86E-08	4.39E-05	6.74E-06	1.5E-11	4.53E-11	3.57E-11	2.59E-14	6.26E-13	3.45792E-14	6.86941E-13	4.857E-08	4.3876E-05	6.74042E-06	1.53291E-11	1.04851E-13	7.65125E-12	1.74448E-14
118	571030.6	4178039	0.55, 41780	0.25749	0.29249	0.23391	188.96663	83.29257	277.8919	26.99523	13.88209	39.69884	4.6E-08	5.46E-05	7.8E-06	1.42E-11	4.28E-11	3.38E-11	2.45E-14	5.93E-13	3.27328E-14	6.5026E-13	4.598E-08	5.4607E-05	7.80167E-06	1.45106E-11	9.92523E-14	7.24269E-12	1.65133E-14
119	571070.6	4178039	0.55, 41780	0.25163	0.29646	0.21613	192.59035	92.57991	271.23553	26.01862	14.40126	34.27332	4.25E-08	5.33E-05	6.74E-06	1.31E-11	3.96E-11	3.13E-11	2.27E-14	5.48E-13	3.02457E-14	6.00851E-13	4.248E-08	5.3299E-05	6.73559E-06	1.3408E-11	9.17108E-14	6.69237E-12	1.52586E-14
120	571110.6	4178039	0.55, 41780	0.23996	0.28057	0.20816	179.79911	89.13384	295.00102	29.33997	15.522	36.88643	4.09E-08	5.8E-05	7.25E-06	1.26E-11	3.81E-11	3.01E-11	2.18E-14	5.28E-13	2.91301E-14	5.78691E-13	4.092E-08	5.7969E-05	7.2492E-06	1.29135E-11	8.83284E-14	6.44554E-12	1.46958E-14
121	571150.6	4178039	0.55, 41780	0.25767	0.30302	0.23363	202.30498	100.11261	284.90591	28.90071	16.95197	47.48432	4.59E-08	5.6E-05	9.33E-06	1.42E-11	4.28E-11	3.38E-11	2.45E-14	5.92E-13	3.2694E-14	6.49489E-13	4.592E-08	5.5986E-05	9.3315E-06	1.44934E-11	9.91346E-14	7.2341E-12	1.64938E-14
122	571190.6	4178039	0.55, 41780	0.27122	0.30641	0.22867	194.68377	101.89225	297.80862	27.81197	16.7188	37.22608	4.49E-08	5.85E-05	7.32E-06	1.39E-11	4.19E-11	3.31E-11	2.4E-14	5.8E-13	3.20003E-14	6.35708E-13	4.495E-08	5.8521E-05	7.31586E-06	1.41859E-11	9.70313E-14	7.08061E-12	1.61438E-14
123	571230.6	4178039	0.55, 41780	0.28804	0.31092	0.2326	196.84209	99.06119	294.63263	24.60526	16.26482	42.09038	4.57E-08	5.79E-05	8.27E-06	1.41E-11	4.26E-11	3.36E-11	2.44E-14	5.9E-13	3.25503E-14	6.46634E-13	4.572E-08	5.7897E-05	8.27145E-06	1.44297E-11	9.86989E-14	7.20231E-12	1.64213E-14
124	571270.6	4178039	0.55, 41780	0.31661	0.32283	0.24843	191.8709	85.51951	280.99547	23.98386	14.63938	35.12443	4.88E-08	5.52E-05	6.9E-06	1.51E-11	4.55E-11	3.59E-11	2.61E-14	6.3E-13	3.47653E-14	6.90637E-13	4.883E-08	5.5217E-05	6.90271E-06	1.54116E-11	1.05415E-13	7.69241E-12	1.75387E-14
125	571310.6	4178039	0.55, 41780	0.35598	0.34149	0.26147	189.38373	68.10225	290.04443	23.67297	13.72977	36.25555	5.14E-08	5.7E-05	7.12E-06	1.59E-11	4.79E-11	3.78E-11	2.74E-14	6.63E-13	3.65902E-14	7.26891E-13	5.139E-08	5.6994E-05	7.12494E-06	1.62206E-11	1.10949E-13	8.09622E-12	1.84594E-14
126	571350.6	4178039	0.55, 41780	0.39399	0.35989	0.2835	182.95784	62.01914	299.45287	22.86973	11.81322	37.43161	5.57E-08	5.88E-05	7.36E-06	1.72E-11	5.19E-11	4.1E-11	2.98E-14	7.19E-13	3.96728E-14	7.88128E-13	5.572E-08	5.8842E-05	7.35597E-06	1.75871E-11	1.20296E-13	8.77828E-12	2.00145E-14
127	571390.6	4178039	0.55, 41780	0.4222	0.3733	0.32107	164.47464	56.17724	258.72398	20.55933	10.13431	32.3405	6.31E-08	5.08E-05	6.36E-06	1.95E-11	5.88E-11	4.64E-11	3.37E-14	8.14E-13	4.4929E-14	8.92547E-13	6.311E-08	5.0839E-05	6.35552E-06	1.99172E-11	1.36234E-13	9.94132E-12	2.26662E-14
128	571430.6	4178039	0.55, 41780	0.44026	0.38105	0.3744	146.31006	45.8458	221.86738	18.28876	9.60517	27.73342	7.36E-08	4.36E-05	5.45E-06	2.27E-11	6.86E-11	5.42E-11	3.93E-14	9.49E-13	5.23897E-14	1.04076E-12	7.358E-08	4.3597E-05	5.45018E-06	2.32246E-11	1.58856E-13	1.15921E-11	2.643E-14
129	571470.6	4178039	0.55, 41780	0.44344	0.3799	0.42037	134.05635	35.96521	154.66668	16.75704	8.42199	19.33334	8.26E-08	3.04E-05	3.8E-06	2.55E-11	7.7E-11	6.08E-11	4.41E-14	1.07E-12	5.88204E-14	1.16851E-12	8.262E-08	3.0392E-05	3.79961E-06	2.60753E-11	1.78355E-13	1.3015E-11	2.96743E-14
130	571510.6	4178039	0.55, 41780	0.43369	0.37075	0.44522	135.2804	26.4112	176.84451	16.91005	8.14543	22.10556	8.75E-08	3.47E-05	4.34E-06	2.7E-11	8.15E-11	6.44E-11	4.67E-14	1.13E-12	6.22964E-14	1.23756E-12	8.75E-08	3.4749E-05	4.34432E-06	2.76162E-11	1.88895E-13	1.37841E-11	3.14278E-14
131	571550.6	4178039	0.55, 41780	0.4157	0.35641	0.44493	128.00174	25.24959	172.96462	16.00022	7.84928	21.62058	8.74E-08	3.4E-05	4.25E-06	2.7E-11	8.15E-11	6.44E-11	4.67E-14	1.13E-12	6.22552E-14	1.23674E-12	8.744E-08	3.3987E-05	4.24898E-06	2.7598E-11	1.8877E-13	1.3775E-11	3.14071E-14
132	571590.6	4178039	0.55, 41780	0.38889	0.33646	0.4222	114.21376	28.264	151.26331	14.27672	7.21894	18.90791	8.3E-08	2.97E-05	3.72E-06	2.56E-11	7.73E-11	6.11E-11	4.43E-14	1.07E-12	5.90747E-14	1.17356E-12	8.297E-08	2.9723E-05	3.71589E-06	2.61881E-11	1.79126E-13	1.30713E-11	2.98026E-14
133	570310.6	4178079	0.55, 41780	0.09792	0.07296	0.09477	71.40728	28.01469	77.09789	8.92591	4.66912	9.63724	1.86E-08	1.52E-05	1.89E-06	5.75E-12	1.74E-11	1.37E-11	9.94E-15	2.4E-13	1.32603E-14	2.63425E-13	1.862E-08	1.515E-05	1.89405E-06	5.87833E-12	4.02078E-14	2.93406E-12	6.68967E-15
134	570350.6	4178079	0.55, 41780	0.1067	0.08065	0.10312	70.03301	29.10671	80.22931	8.75413	4.85112	10.02866	2.03E-08	1.58E-05	1.97E-06	6.25E-12	1.89E-11	1.49E-11	1.08E-14	2.61E-13	1.44287E-14	2.86636E-13	2.027E-08	1.5766E-05	1.97095E-06	6.39628E-12	4.37506E-14	3.19259E-12	7.2791E-15
135	570390.6	4178079	0.55, 41780	0.11641	0.08948	0.11242	73.93226	30.15719	77.81828	9.24153	5.0262	9.72728	2.21E-08	1.53E-05	1.91E-06	6.82E-12	2.06E-11	1.63E-11	1.18E-14	2.85E-13	1.573E-14	3.12487E-13	2.209E-08	1.5292E-05	1.91176E-06	6.97316E-12	4.76964E-14	3.48053E-12	7.93561E-15
136	570430.6	4178079	0.55, 41780	0.12715	0.09969	0.12302	79.99098	31.34254	86.52141	9.99887	5.20891	10.81518	2.42E-08	1.7E-05	2.13E-06	7.46E-12	2.25E-11	1.78E-11	1.29E-14	3.12E-13	1.72132E-14	3.41953E-13	2.418E-08	1.7002E-05	2.12556E-06	7.63068E-12	5.21939E-14	3.80872E-12	8.68388E-15
137	570470.6	4178079	0.55, 41780	0.13857	0.11144	0.13449	81.53848	32.65768	88.86509	10.19228	5.39019	11.10814	2.64E-08	1.75E-05	2.18E-06	8.16E-12	2.46E-11	1.95E-11	1.41E-14	3.41E-13	1.88182E-14	3.73837E-13	2.643E-08	1.7463E-05	2.18313E-06	8.34218E-12	5.70605E-14	4.16385E-12	9.49358E-15
138	570510.6	4178079	0.55, 41780	0.15049	0.12507	0.14657	87.75299	34.11951	95.20757	10.96912	5.60116	11.90095	2.88E-08	1.87E-05	2.34E-06	8.89E-12	2.68E-11	2.12E-11	1.54E-14	3.72E-13	2.05086E-14	4.07418E-13	2.881E-08	1.8709E-05	2.33895E-06	9.09154E-12	6.21861E-14	4.53788E-12	1.03464E-14
139	570550.6	4178079	0.55, 41780	0.16198	0.14034	0.1583	91.64015	35.64897	104.22382	11.45502	5.99366	13.02798	3.11E-08	2.05E-05	2.56E-06	9.6E-12	2.9E-11	2.29E-11	1.66E-14	4.01E-13	2.21501E-14	4.40027E-13	3.111E-08	2.0481E-05	2.56042E-06	9.81921E-12	6.71634E-14	4.90108E-12	1.11745E-14
140	570590.6	4178079	0.55, 41780	0.17272	0.15744	0.16968	88.35639	37.38874	105.88084	11.57204	6.46071	13.23511	3.33E-08	2.08E-05	2.6E-06	1.03E-11	3.11E-11	2.45E-11	1.78E-14	4.3E-13	2.37427E-14	4.71665E-13	3.335E-08	2.0806E-05	2.60112E-06	1.05252E-11	7.19924E-14	5.25347E-12	1.19779E-14
141	570630.6	4178079	0.55, 41780	0.1831	0.1763	0.17984	101.08083	39.23196	114.54818	12.6351	7.02353	14.31852	3.53E-08	2.25E-05	2.81E-06	1.09E-11	3.29E-11	2.6E-11	1.89E-14	4.56E-13	2.51646E-14	4.99913E-13	3.535E-08	2.2509E-05	2.81405E-06	1.11556E-11	7.63042E-14	5.56811E-12	1.26953E-14
142	570670.6	4178079	0.55, 41780	0.19537	0.19687	0.18849	125.63761	41.20021	131.91916	15.7047	8.22231	16.4899	3.7E-08	2.59E-05	3.24E-06	1.14E-11	3.45E-11	2.73E-11	1.98E-14	4.78E-13	2.63754E-14	5.23967E-13	3.705E-08	2.5923E-05	3.24086E-06	1.16923E-11	7.99756E-14	5.83602E-12	1.33061E-14
143	570710.6	4178079	0.55, 41780	0.21241	0.21933	0.20096	144.38379	43.29239	151.59141	18.04797	9.29195	18.94893	3.95E-08	2.98E-05	3.72E-06	1.22E-11	3.68E-11	2.91E-11	2.11E-14	5.09E-13	2.81207E-14	5.58638E-13	3.95E-08	2.9788E-05	3.72415E-06	1.2466E-11	8.52676E-14	6.22219E-12	1.41866E-14
144	570750.6	4178079	0.55, 41780	0.23537	0.24332	0.2221	149.96792	48.92505	154.1756	18.74599	10.23	23.04389	4.37E-08	3.03E-05	4.53E-06	1.35E-11	4.07E-11	3.21E-11	2.33E-14	5.63E-13	3.10789E-14	6.17404E-13	4.365E-08	3.0296E-05	4.52878E-06	1.37774E-11	9.42374E-14	6.87674E-12	1.5679E-14
145	570790.6	4178079	0.55, 41780	0.26445	0.26867	0.24585	159.48841	56.15329	178.05216	19.93605	11.24377	22.79466	4.83E-08	3.5E-05	4.48E-06	1.49E-11	4.5E-11	3.56E-11	2.58E-14	6.23E-13	3.44023E-14	6.83426E-13	4.832E-08	3.4988E-05	4.47988E-06	1.52507E-11	1.04315E-13	7.61209E-12	1.73556E-14
146	570830.6	4178079	0.55, 41780	0.30001	0.29551	0.27029	164.85959	59.75168	177.78875	20.60745	12.43332	22.22359	5.31E-08	3.49E-05	4.37E-06	1.64E-11	4.95E-11	3.91E-11	2.84E-14	6.85E-13	3.78223E-14	7.51366E-13	5.312E-08	3.4937E-05	4.36771E-06	1.67668E-11	1.14685E-13	8.36882E-12	1.90809E-14
147	570870.6	4178079	0.55, 41780	0.34051	0.32416	0.30185	178.96906	63.85658	203.22306	22.37113	13.91568	25.40288	5.93E-08	3.99E-05	4.99E-06	1.83E-11	5.53E-11	4.37E-11	3.17E-14	7.65E-13	4.22383E-14	8.39094E-13	5.933E-08	3.9934E-05	4.99249E-06	1.87244E-11	1.28075E-13	9.34596E-12	2.13088E-14
148	570910.6	4178079	0.55, 41780	0.37529	0.35313	0.33459	192.82824	68.49057	229.7632	24.10353	15.26079	28.7204	6.58E-08	4.51E-05	5.64E-06	2.03E-11	6.13E-11	4.84E-11	3.51E-14	8.48E-13	4.68195E-14	9.30102E-13	6.576E-08	4.5149E-05	5.64442E-06	2.07553E-11	1.41966E-13	1.03596E-11	2.36199E-14
149	570950.6	4178079	0.55, 41780	0.39192	0.37725	0.35493	199.56835	75.56845	241.42387	26.9715	14.65967	30.17798	6.98E-08	4.74E-05	5.93E-06	2.15E-11	6.5E-11	5.13E-11	3.72E-14	9E-13	4.96657E-14	9.86645E-13	6.976E-08	4.7441E-05	5.93097E-06	2.2017E-11	1.50596E-13	1.09894E-11	2.50558E-14
150	570990.6	4178079	0.55, 41780	0.38624	0.39167	0.34038	209.52387	83.72546	270.89556	31.32288	13.79848	33.86195	6.69E-08	5.32E-05	6.66E-06	2.06E-11	6.23E-11	4.92E-11	3.57E-14	8.63E-13	4.76308E-14	9.4622E-13	6.69E-08	5.3232E-05	6.65505E-06	2.11149E-11	1.44426E-13	1.05391E-11	2.40292E-14
151	571030.6	4178079	0.55, 41780	0.36706	0.40059	0.31708	238.62537	94.19927	346.28961	34.73297	15.69988	52.33117	6.23E-08	6.8E-05	1.03E-05	1.92E-11	5.81E-11	4.59E-11	3.33E-14	8.04E-13	4.43716E-14	8.81473E-13	6.232E-08	6.8047E-05	1.02842E-05	1.96701E-11	1.34544E-13	9.81798E-12	2.2385E-14
152	571070.6	4178079	0.55, 41780	0.35702	0.41066	0.29659	228.92087	105.90077	368.47625	31.45005	16.61116	46.05953	5.83E-08	7.24E-05	9.05E-06	1.8E-11	5.43E-11	4.29E-11	3.11E-14	7.52E-13	4.15056E-14	8.24537E-13	5.83E-08	7.2406E-05	9.05169E-06	1.83996E-11	1.25853E-13	9.18382E-12	2.09391E-14
153	571110.6	4178079	0.55, 41780	0.35812	0.41418	0.29545	212.64364	104.08221	374.64105	34.6648	20.98986	46.90606	5.81E-08	7.36E-05	9.22E-06	1.79E-11	5.41E-11	4.27E-11	3.1E-14	7.49E-13	4.1342E-14	8.21288E-13	5.807E-08	7.3617E-05	9.2182E-06	1.83271E-11	1.25357E-13	9.14763E-12	2.08566E-14
154	571150.6	4178079	0.55, 41780	0.37758	0.42317	0.31748	239.48451	117.47672	371.65504	34.21207	20.38272	60.67868	6.24E-08	7.3E-05	1.19E-05	1.93E-11	5.81E-11	4.59E-11	3.33E-14	8.05E-13	4.44284E-14	8.82601E-13	6.24E-08	7.3032E-05	1.19243E-05	1.96953E-11	1.34716E-13	9.83054E-12	2.24136E-14
155	571190.6	4178079	0.55, 41780	0.41277	0.43447	0.31013	228.77572	115.09155	359.73847	28.66724	20.67403	44.96731	6.1E-08	7.07E-05	8.84E-06	1.88E-11	5.68E-11	4.49E-11	3.25E-14	7.86E-13	4.34007E-14	8.62186E-13	6.096E-08	7.069E-05	8.83694E-06	1.92397E-11	1.316E-13	9.60315E-12	2.18952E-14
156	571230.6	4178079	0.55, 41780	0.46673	0.45732	0.33128	219.54291	100.98995	305.404	27.44286	18.56894	43.62914	6.51E-08	6E-05	8.57E-06	2.01E-11	6.07E-11	4.79E-11	3.48E-14	8.4E-13	4.63604E-14	9.20982E-13	6.512E-08	6.0013E-05	8.57394E-06	2.05517E-11	1.40574E-13	1.0258E-11	2.33883E-14
157	571270.6	4178079	0.55, 41780	0.53318	0.48578	0.3586	215.1929	81.06645	332.5769	26.89911	17.27973	41.57211	7.05E-08	6.54E-05	8.17E-06	2.18E-11	6.57E-11	5.19E-11	3.76E-14	9.09E-13	5.01834E-14	9.96929E-13	7.049E-08	6.5351E-05	8.16974E-06	2.22465E-11	1.52166E-13	1.11039E-11	2.5317E-14
158	571310.6	4178079	0.55, 41780	0.58671	0.50689	0.39805	205.97464	69.75551	363.05687	25.74683	14.70822	45.38211	7.82E-08	7.13E-05	8.92E-06	2.41E-11	7.29E-11	5.76E-11	4.18E-14	1.01E-12	5.5703E-14	1.10658E-12	7.824E-08	7.134E-05	8.91828E-06	2.46934E-11	1.68903E-13	1.23252E-11	2.81016E-14
159	571350.6	4178079	0.55, 41780	0.61439	0.51569	0.46686	184.46358	62.8789	316.33591	23.05795	12.5762	39.54199	9.18E-08	6.22E-05	7.77E-06	2.83E-11	8.55E-11	6.75E-11	4.9E-14	1.18E-12	6.53293E-14	1.29781E-12	9.176E-08	6.2159E-05	7.77064E-06	2.89607E-11	1.98091E-13	1.44552E-11	3.29579E-14
160	571390.6	4178079	0.55, 41780	0.61879	0.51229	0.54521	162.6235	50.78632	251.98298	20.32794	11.67282	31.49787	1.07E-07	4.95E-05	6.19E-06	3.31E-11	9.98E-11	7.89E-11	5.72E-14	1.38E-12	7.62896E-14	1.51555E-12	1.072E-07	4.9514E-05	6.18995E-06	3.38195E-11	2.31325E-13	1.68804E-11	3.84872E-14
161	571430.6	4178079	0.55, 41780	0.60477	0.49855	0.60294	157.24404	39.05995	207.2573	19.65551	9.99401	25.90716	1.18E-07	4.07E-05	5.09E-06	3.66E-11	1.1E-10	8.72E-11	6.33E-14	1.53E-12	8.43649E-14	1.67597E-12	1.185E-07	4.0726E-05	5.09142E-06	3.73993E-11	2.55811E-13	1.86672E-11	4.25612E-14
162	571470.6	4178079	0.55, 41780	0.57311	0.47467	0.61341	152.07991	30.59352	215.52596	19.00999	9.68796	26.94074	1.21E-07	4.23E-05	5.29E-06	3.72E-11	1.12E-10	8.87E-11	6.44E-14	1.55E-12	8.58286E-14	1.70505E-12	1.206E-07	4.235E-05	5.29447E-06	3.80481E-11	2.60249E-13	1.8991E-11	4.32996E-14
163	571510.6	4178079	0.55, 41780	0.53465	0.44658	0.58613	137.55383	33.88214	191.36045	17.19423	8.95455	23.92006	1.15E-07	3.76E-05	4.7E-06	3.55E-11	1.07E-10	8.48E-11	6.15E-14	1.49E-12	8.20113E-14	1.62921E-12	1.152E-07	3.7602E-05	4.70085E-06	3.63559E-11	2.48674E-13	1.81464E-11	4.13738E-14
164	571550.6	4178079	0.55, 41780	0.48548	0.41212	0.53241	120.13532	36.07438	157.49519	15.01691	7.90342	19.6869	1.05E-07	3.09E-05	3.87E-06	3.23E-11	9.75E-11	7.7E-11	5.59E-14	1.35E-12	7.4495E-14	1.4799E-12	1.046E-07	3.0948E-05	3.86899E-06	3.30239E-11	2.25884E-13	1.64833E-11	3.75819E-14
165	571590.6	4178079	0.55, 41780	0.43445	0.37558	0.47142	108.95419	37.19094	141.55637	13.61927	6.74143	17.69455	9.26E-08	2.78E-05	3.48E-06	2.86E-11	8.63E-11	6.82E-11	4.95E-14	1.19E-12	6.59616E-14	1.31037E-12	9.265E-08	2.7816E-05	3.47744E-06	2.92411E-11	2.00009E-13	1.45951E-11	3.32769E-14
166	570310.6	4178119	0.55, 41781	0.10149	0.07442	0.09774	69.0748	28.05035	78.28908	8.63435	4.67506	9.78613	1.92E-08	1.54E-05	1.92E-06	5.93E-12	1.79E-11	1.41E-11	1.03E-14	2.48E-13	1.36758E-14	2.7168E-13	1.921E-08	1.5384E-05	1.92329E-06	6.06254E-12	4.14678E-14	3.02601E-12	6.8993E-15
167	570350.6	4178119	0.55, 41781	0.11138	0.08273	0.10725	79.07973	29.62524	82.98136	9.88497	4.93754	10.37267	2.11E-08	1.63E-05	2.04E-06	6.5E-12	1.96E-11	1.55E-11	1.13E-14	2.72E-13	1.50065E-14	2.98115E-13	2.108E-08	1.6306E-05	2.0386E-06	6.65244E-12	4.55027E-14	3.32045E-12	7.57062E-15
168	570390.6	4178119	0.55, 41781	0.12249	0.09237	0.11775	81.81771	30.97041	92.38822	10.22721	5.16174	11.54853	2.31E-08	1.82E-05	2.27E-06	7.14E-12	2.16E-11	1.7E-11	1.24E-14	2.98E-13	1.64757E-14	3.27302E-13	2.314E-08	1.8155E-05	2.26966E-06	7.30375E-12	4.99577E-14	3.64554E-12	8.31182E-15
169	570430.6	4178119	0.55, 41781	0.13492	0.10362	0.12964	81.48606	32.23138	89.13007	10.18576	5.3719	11.14126	2.55E-08	1.75E-05	2.19E-06	7.86E-12	2.37E-11	1.88E-11	1.36E-14	3.29E-13	1.81395E-14	3.60353E-13	2.548E-08	1.7515E-05	2.18964E-06	8.04129E-12	5.50024E-14	4.01366E-12	9.15116E-15
170	570470.6	4178119	0.55, 41781	0.14882	0.11683	0.14311	90.82614	33.6686	97.62505	11.35327	5.5932	12.20313	2.81E-08	1.92E-05	2.4E-06	8.68E-12	2.62E-11	2.07E-11	1.5E-14	3.63E-13	2.00243E-14	3.97797E-13	2.813E-08	1.9184E-05	2.39834E-06	8.87684E-12	6.07176E-14	4.43072E-12	1.0102E-14
171	570510.6	4178119	0.55, 41781	0.16361	0.13228	0.15796	92.34034	35.20886	102.68913	11.54254	5.82093	12.83614	3.1E-08	2.02E-05	2.52E-06	9.58E-12	2.89E-11	2.28E-11	1.66E-14	4E-13	2.21022E-14	4.39077E-13	3.104E-08	2.0179E-05	2.52273E-06	9.79801E-12	6.70184E-14	4.8905E-12	1.11503E-14
172	570550.6	4178119	0.55, 41781	0.17911	0.1505	0.17388	100.11195	36.92243	110.21215	12.51399	6.33987	13.77652	3.42E-08	2.17E-05	2.71E-06	1.05E-11	3.18E-11	2.52E-11	1.82E-14	4.41E-13	2.433E-14	4.83332E-13	3.417E-08	2.1657E-05	2.70755E-06	1.07856E-11	7.37733E-14	5.38342E-12	1.22742E-14
173	570590.6	4178119	0.55, 41781	0.19374	0.17125	0.18923	103.74737	38.76233	121.67682	12.96842	6.89651	15.2096	3.72E-08	2.39E-05	2.99E-06	1.15E-11	3.47E-11	2.74E-11	1.99E-14	4.8E-13	2.64781E-14	5.26005E-13	3.719E-08	2.391E-05	2.98915E-06	1.17378E-11	8.02868E-14	5.85873E-12	1.33579E-14
174	570630.6	4178119	0.55, 41781	0.2069	0.19483	0.20326	104.63966	41.01094	121.05227	13.84797	7.49161	15.13153	3.99E-08	2.38E-05	2.97E-06	1.23E-11	3.72E-11	2.94E-11	2.13E-14	5.15E-13	2.84416E-14	5.65012E-13	3.995E-08	2.3787E-05	2.97386E-06	1.26083E-11	8.62405E-14	6.29319E-12	1.43485E-14
175	570670.6	4178119	0.55, 41781	0.21998	0.22122	0.21442	115.58367	43.51142	138.36153	15.0671	8.60459	17.29519	4.21E-08	2.72E-05	3.4E-06	1.3E-11	3.93E-11	3.1E-11	2.25E-14	5.44E-13	3.00037E-14	5.96045E-13	4.214E-08	2.7189E-05	3.39905E-06	1.33008E-11	9.09772E-14	6.63884E-12	1.51365E-14
176	570710.6	4178119	0.55, 41781	0.23703	0.25104	0.22496	127.12041	45.98226	134.54184	16.41254	9.96819	16.81773	4.42E-08	2.64E-05	3.31E-06	1.36E-11	4.12E-11	3.25E-11	2.36E-14	5.7E-13	3.14807E-14	6.25386E-13	4.422E-08	2.6438E-05	3.30531E-06	1.39555E-11	9.54556E-14	6.96564E-12	1.58816E-14
177	570750.6	4178119	0.55, 41781	0.26187	0.28441	0.24496	163.41699	49.64069	173.69321	20.42712	11.18287	24.67477	4.81E-08	3.41E-05	4.85E-06	1.49E-11	4.49E-11	3.54E-11	2.57E-14	6.21E-13	3.42783E-14	6.80963E-13	4.815E-08	3.4131E-05	4.84932E-06	1.51957E-11	1.03939E-13	7.58466E-12	1.7293E-14
178	570790.6	4178119	0.55, 41781	0.29707	0.32177	0.27572	189.30326	59.79186	203.13563	23.66291	12.3939	25.39195	5.42E-08	3.99E-05	4.99E-06	1.67E-11	5.05E-11	3.99E-11	2.89E-14	6.99E-13	3.85828E-14	7.66474E-13	5.419E-08	3.9917E-05	4.99041E-06	1.71039E-11	1.16991E-13	8.5371E-12	1.94646E-14
179	570830.6	4178119	0.55, 41781	0.34574	0.3643	0.31009	193.11502	64.55328	210.79637	24.13938	13.76558	26.34955	6.09E-08	4.14E-05	5.18E-06	1.88E-11	5.68E-11	4.49E-11	3.25E-14	7.86E-13	4.33924E-14	8.62021E-13	6.095E-08	4.1422E-05	5.17859E-06	1.9236E-11	1.31574E-13	9.60132E-12	2.1891E-14
180	570870.6	4178119	0.55, 41781	0.41228	0.41342	0.35667	202.8381	69.60981	241.64288	25.35476	15.49628	31.6123	7.01E-08	4.75E-05	6.21E-06	2.16E-11	6.53E-11	5.16E-11	3.74E-14	9.04E-13	4.99105E-14	9.91507E-13	7.01E-08	4.7484E-05	6.2127E-06	2.21255E-11	1.51338E-13	1.10435E-11	2.51793E-14
181	570910.6	4178119	0.55, 41781	0.49003	0.46844	0.41739	224.50761	75.3478	268.49725	28.06345	17.99511	33.56216	8.2E-08	5.28E-05	6.6E-06	2.53E-11	7.64E-11	6.04E-11	4.38E-14	1.06E-12	5.84068E-14	1.16029E-12	8.204E-08	5.276E-05	6.59597E-06	2.5892E-11	1.77101E-13	1.29235E-11	2.94656E-14
182	570950.6	4178119	0.55, 41781	0.55455	0.52056	0.48015	237.44511	82.6149	307.44591	31.19836	20.61697	38.43074	9.44E-08	6.04E-05	7.55E-06	2.91E-11	8.79E-11	6.95E-11	5.04E-14	1.22E-12	6.71884E-14	1.33474E-12	9.437E-08	6.0414E-05	7.55274E-06	2.97849E-11	2.03728E-13	1.48666E-11	3.38958E-14
183	570990.6	4178119	0.55, 41781	0.59019	0.56679	0.49805	260.70129	98.30209	347.94815	39.14578	18.7176	43.49352	9.79E-08	6.84E-05	8.55E-06	3.02E-11	9.12E-11	7.2E-11	5.23E-14	1.26E-12	6.96941E-14	1.38452E-12	9.789E-08	6.8373E-05	8.54793E-06	3.08957E-11	2.11326E-13	1.5421E-11	3.51599E-14
184	571030.6	4178119	0.55, 41781	0.58003	0.59593	0.46436	288.08817	110.38847	394.82286	43.41155	19.84321	60.28631	9.13E-08	7.76E-05	1.18E-05	2.82E-11	8.5E-11	6.72E-11	4.87E-14	1.18E-12	6.49822E-14	1.29092E-12	9.127E-08	7.7584E-05	1.18477E-05	2.88069E-11	1.97039E-13	1.43784E-11	3.27828E-14
185	571070.6	4178119	0.55, 41781	0.56003	0.61401	0.43624	281.59163	124.26135	479.69295	39.26934	23.95732	65.06151	8.57E-08	9.43E-05	1.28E-05	2.65E-11	7.99E-11	6.31E-11	4.58E-14	1.11E-12	6.1049E-14	1.21278E-12	8.575E-08	9.426E-05	1.27857E-05	2.70633E-11	1.85113E-13	1.35081E-11	3.07986E-14
186	571110.6	4178119	0.55, 41781	0.57497	0.62965	0.42923	279.23237	138.16088	507.21032	41.39356	27.39628	63.69191	8.44E-08	9.97E-05	1.25E-05	2.6E-11	7.86E-11	6.21E-11	4.51E-14	1.09E-12	6.0069E-14	1.19331E-12	8.437E-08	9.9667E-05	1.25167E-05	2.66288E-11	1.82141E-13	1.32913E-11	3.03041E-14
187	571150.6	4178119	0.55, 41781	0.64473	0.65929	0.45591	273.06399	137.55558	506.75735	37.77228	27.34359	77.75635	8.96E-08	9.96E-05	1.53E-05	2.77E-11	8.35E-11	6.6E-11	4.79E-14	1.16E-12	6.38026E-14	1.26748E-12	8.961E-08	9.9578E-05	1.528E-05	2.82839E-11	1.93462E-13	1.41174E-11	3.21877E-14
188	571190.6	4178119	0.55, 41781	0.76806	0.70549	0.46182	260.36357	120.74038	479.78233	32.90288	24.49294	68.54033	9.08E-08	9.43E-05	1.35E-05	2.8E-11	8.46E-11	6.68E-11	4.85E-14	1.17E-12	6.46314E-14	1.28395E-12	9.078E-08	9.4275E-05	1.34689E-05	2.86513E-11	1.95975E-13	1.43008E-11	3.26058E-14
189	571230.6	4178119	0.55, 41781	0.88147	0.74364	0.51839	250.38438	100.21062	435.42985	31.29805	22.32262	54.42873	1.02E-07	8.56E-05	1.07E-05	3.14E-11	9.49E-11	7.5E-11	5.44E-14	1.31E-12	7.25467E-14	1.44119E-12	1.019E-07	8.5562E-05	1.06961E-05	3.21602E-11	2.19976E-13	1.60522E-11	3.6599E-14
190	571270.6	4178119	0.55, 41781	0.94057	0.75526	0.59724	235.31349	80.57107	462.41399	29.41419	18.81416	57.80175	1.17E-07	9.09E-05	1.14E-05	3.62E-11	1.09E-10	8.64E-11	6.27E-14	1.51E-12	8.35777E-14	1.66033E-12	1.174E-07	9.0862E-05	1.13587E-05	3.70503E-11	2.53424E-13	1.8493E-11	4.2164E-14
191	571310.6	4178119	0.55, 41781	0.94266	0.74202	0.72716	211.76846	71.48368	401.12341	26.47106	15.9259	50.14043	1.43E-07	7.88E-05	9.85E-06	4.41E-11	1.33E-10	1.05E-10	7.63E-14	1.84E-12	1.01752E-13	2.02137E-12	1.429E-07	7.8819E-05	9.85326E-06	4.51069E-11	3.08532E-13	2.25143E-11	5.13326E-14
192	571350.6	4178119	0.55, 41781	0.90909	0.71255	0.85266	184.59351	57.17412	286.57244	23.07419	14.42847	35.82155	1.68E-07	5.63E-05	7.04E-06	5.17E-11	1.56E-10	1.23E-10	8.95E-14	2.16E-12	1.19307E-13	2.37011E-12	1.676E-07	5.6311E-05	7.03963E-06	5.28892E-11	3.61762E-13	2.63987E-11	6.0189E-14
193	571390.6	4178119	0.55, 41781	0.85308	0.67145	0.90336	182.88204	42.90716	275.98695	22.86025	12.27464	34.49837	1.78E-07	5.42E-05	6.78E-06	5.48E-11	1.65E-10	1.31E-10	9.48E-14	2.29E-12	1.26398E-13	2.51098E-12	1.775E-07	5.423E-05	6.77964E-06	5.60325E-11	3.83263E-13	2.79676E-11	6.37662E-14
194	571430.6	4178119	0.55, 41781	0.78	0.62166	0.86624	169.0522	41.64549	252.50347	21.13153	11.39175	31.56293	1.7E-07	4.96E-05	6.2E-06	5.25E-11	1.59E-10	1.25E-10	9.09E-14	2.2E-12	1.21203E-13	2.40778E-12	1.702E-07	4.9616E-05	6.20277E-06	5.37297E-11	3.67511E-13	2.68182E-11	6.11455E-14
195	571470.6	4178119	0.55, 41781	0.69763	0.567	0.77646	144.82238	43.55007	199.26025	18.1028	10.0864	24.90753	1.53E-07	3.92E-05	4.89E-06	4.71E-11	1.42E-10	1.12E-10	8.15E-14	1.97E-12	1.08641E-13	2.15824E-12	1.526E-07	3.9155E-05	4.89493E-06	4.81611E-11	3.29422E-13	2.40388E-11	5.48084E-14
196	571510.6	4178119	0.55, 41781	0.61632	0.51188	0.67545	129.07456	44.20691	173.84445	16.93315	8.5721	21.73056	1.33E-07	3.42E-05	4.27E-06	4.1E-11	1.24E-10	9.77E-11	7.09E-14	1.71E-12	9.45088E-14	1.87748E-12	1.327E-07	3.4161E-05	4.27064E-06	4.18961E-11	2.8657E-13	2.09117E-11	4.76787E-14
197	571550.6	4178119	0.55, 41781	0.53701	0.45659	0.57828	116.13448	43.6354	149.52645	16.99831	7.6971	20.20244	1.14E-07	2.94E-05	3.97E-06	3.51E-11	1.06E-10	8.36E-11	6.07E-14	1.47E-12	8.09135E-14	1.6074E-12	1.136E-07	2.9382E-05	3.97039E-06	3.58693E-11	2.45346E-13	1.79035E-11	4.082E-14
198	571590.6	4178119	0.55, 41781	0.46599	0.40463	0.49394	103.06511	42.01095	133.93422	16.60125	6.75955	20.50745	9.71E-08	2.63E-05	4.03E-06	3E-11	9.04E-11	7.14E-11	5.18E-14	1.25E-12	6.91131E-14	1.37298E-12	9.707E-08	2.6319E-05	4.0303E-06	3.06381E-11	2.09565E-13	1.52925E-11	3.48668E-14
199	570310.6	4178159	0.55, 41781	0.10452	0.07557	0.10002	83.14681	27.07322	89.45551	10.39335	4.47805	11.18194	1.97E-08	1.76E-05	2.2E-06	6.07E-12	1.83E-11	1.45E-11	1.05E-14	2.54E-13	1.39948E-14	2.78017E-13	1.966E-08	1.7578E-05	2.19764E-06	6.20396E-12	4.24351E-14	3.09659E-12	7.06023E-15
200	570350.6	4178159	0.55, 41781	0.1156	0.08446	0.11071	83.51332	29.37807	93.62995	10.43917	4.89635	11.70374	2.18E-08	1.84E-05	2.3E-06	6.71E-12	2.03E-11	1.6E-11	1.16E-14	2.81E-13	1.54906E-14	3.07732E-13	2.176E-08	1.8399E-05	2.30017E-06	6.86704E-12	4.69706E-14	3.42756E-12	7.81484E-15
201	570390.6	4178159	0.55, 41781	0.12828	0.09489	0.12282	85.72091	31.44775	90.10823	10.71511	5.24129	11.26353	2.41E-08	1.77E-05	2.21E-06	7.45E-12	2.25E-11	1.78E-11	1.29E-14	3.11E-13	1.71851E-14	3.41394E-13	2.414E-08	1.7707E-05	2.21369E-06	7.61821E-12	5.21086E-14	3.80249E-12	8.66968E-15
202	570430.6	4178159	0.55, 41781	0.14269	0.1072	0.13639	94.53138	33.159	104.73347	11.81642	5.5265	13.09168	2.68E-08	2.06E-05	2.57E-06	8.27E-12	2.5E-11	1.97E-11	1.43E-14	3.46E-13	1.90839E-14	3.79114E-13	2.68E-08	2.0581E-05	2.57295E-06	8.45995E-12	5.78661E-14	4.22263E-12	9.6276E-15
203	570470.6	4178159	0.55, 41781	0.15906	0.12183	0.15182	91.68652	34.69147	109.10852	11.46082	5.78191	13.63857	2.98E-08	2.14E-05	2.68E-06	9.21E-12	2.78E-11	2.2E-11	1.59E-14	3.85E-13	2.12429E-14	4.22006E-13	2.984E-08	2.144E-05	2.68039E-06	9.41708E-12	6.44128E-14	4.70036E-12	1.07168E-14
204	570510.6	4178159	0.55, 41781	0.17738	0.13933	0.16931	103.8828	36.49731	110.76271	12.98535	6.04456	13.84534	3.33E-08	2.18E-05	2.72E-06	1.03E-11	3.1E-11	2.45E-11	1.78E-14	4.29E-13	2.36903E-14	4.70624E-13	3.327E-08	2.1766E-05	2.7211E-06	1.0502E-11	7.18337E-14	5.24188E-12	1.19515E-14
205	570550.6	4178159	0.55, 41781	0.19733	0.16029	0.18927	106.21161	38.46337	121.82569	13.27645	6.62676	15.22821	3.72E-08	2.39E-05	2.99E-06	1.15E-11	3.47E-11	2.74E-11	1.99E-14	4.8E-13	2.64833E-14	5.26109E-13	3.72E-08	2.3939E-05	2.99283E-06	1.17401E-11	8.03026E-14	5.85988E-12	1.33605E-14
206	570590.6	4178159	0.55, 41781	0.21794	0.18524	0.21062	115.65264	40.48441	129.80552	14.45658	7.37316	16.22569	4.14E-08	2.55E-05	3.19E-06	1.28E-11	3.86E-11	3.05E-11	2.21E-14	5.34E-13	2.94709E-14	5.8546E-13	4.139E-08	2.5507E-05	3.18888E-06	1.30646E-11	8.93616E-14	6.52094E-12	1.48677E-14
207	570630.6	4178159	0.55, 41781	0.23707	0.21436	0.23118	118.44365	42.79741	144.28442	14.80546	8.08317	18.03555	4.54E-08	2.84E-05	3.54E-06	1.4E-11	4.23E-11	3.34E-11	2.43E-14	5.86E-13	3.23481E-14	6.42618E-13	4.544E-08	2.8352E-05	3.54451E-06	1.434E-11	9.80859E-14	7.15757E-12	1.63193E-14
208	570670.6	4178159	0.55, 41781	0.25383	0.24795	0.24882	124.95922	45.84094	144.90734	15.6199	8.90031	18.11342	4.89E-08	2.85E-05	3.56E-06	1.51E-11	4.56E-11	3.6E-11	2.61E-14	6.31E-13	3.4817E-14	6.91664E-13	4.89E-08	2.8475E-05	3.55985E-06	1.54345E-11	1.05572E-13	7.70386E-12	1.75648E-14
209	570710.6	4178159	0.55, 41781	0.27135	0.28697	0.26135	131.25248	49.29697	162.49426	17.47805	10.6966	20.31178	5.14E-08	3.19E-05	3.99E-06	1.59E-11	4.79E-11	3.78E-11	2.74E-14	6.63E-13	3.65712E-14	7.26513E-13	5.137E-08	3.1931E-05	3.9919E-06	1.62122E-11	1.10891E-13	8.09201E-12	1.84498E-14
210	570750.6	4178159	0.55, 41781	0.29528	0.33222	0.27619	146.48828	52.90094	155.94977	21.86848	12.23914	22.93785	5.43E-08	3.06E-05	4.51E-06	1.68E-11	5.06E-11	4E-11	2.9E-14	7E-13	3.86489E-14	7.67787E-13	5.428E-08	3.0645E-05	4.50812E-06	1.71332E-11	1.17191E-13	8.55172E-12	1.94979E-14
211	570790.6	4178159	0.55, 41781	0.33253	0.38536	0.30655	168.4296	63.37031	207.44804	22.18934	13.75991	31.3643	6.03E-08	4.08E-05	6.16E-06	1.86E-11	5.61E-11	4.43E-11	3.22E-14	7.77E-13	4.28979E-14	8.52197E-13	6.025E-08	4.0764E-05	6.1638E-06	1.90168E-11	1.30075E-13	9.4919E-12	2.16415E-14
212	570830.6	4178159	0.55, 41781	0.39122	0.44987	0.34708	226.40986	70.88867	244.94075	28.30123	15.58224	30.61759	6.82E-08	4.81E-05	6.02E-06	2.11E-11	6.36E-11	5.02E-11	3.64E-14	8.8E-13	4.85701E-14	9.64879E-13	6.822E-08	4.8132E-05	6.01742E-06	2.15313E-11	1.47274E-13	1.0747E-11	2.45031E-14
213	570870.6	4178159	0.55, 41781	0.48272	0.53035	0.408	262.06298	76.1106	293.39264	32.75787	17.58972	36.67408	8.02E-08	5.77E-05	7.21E-06	2.47E-11	7.47E-11	5.9E-11	4.28E-14	1.03E-12	5.70953E-14	1.13424E-12	8.019E-08	5.7652E-05	7.20766E-06	2.53106E-11	1.73124E-13	1.26333E-11	2.8804E-14
214	570910.6	4178159	0.55, 41781	0.61652	0.63133	0.50366	261.24493	84.17228	335.42472	32.65562	20.33398	41.92809	9.9E-08	6.59E-05	8.24E-06	3.05E-11	9.22E-11	7.29E-11	5.29E-14	1.28E-12	7.04812E-14	1.40016E-12	9.9E-08	6.5911E-05	8.23999E-06	3.12446E-11	2.13713E-13	1.55952E-11	3.5557E-14
215	570950.6	4178159	0.55, 41781	0.78722	0.75662	0.63069	286.12528	93.97029	373.71712	38.09436	25.30252	46.71464	1.24E-07	7.34E-05	9.18E-06	3.83E-11	1.15E-10	9.12E-11	6.62E-14	1.6E-12	8.82565E-14	1.75328E-12	1.24E-07	7.3436E-05	9.18077E-06	3.91244E-11	2.67611E-13	1.95283E-11	4.45244E-14
216	570990.6	4178159	0.55, 41781	0.95557	0.89576	0.74292	303.7283	113.02353	445.40224	49.39935	30.83627	55.67528	1.46E-07	8.75E-05	1.09E-05	4.51E-11	1.36E-10	1.07E-10	7.8E-14	1.88E-12	1.03969E-13	2.06541E-12	1.46E-07	8.7522E-05	1.0942E-05	4.60898E-11	3.15254E-13	2.30049E-11	5.24511E-14
217	571030.6	4178159	0.55, 41781	1.0701	1.00768	0.7637	365.27865	135.92516	512.48146	63.89384	29.33742	70.31034	1.5E-07	0.000101	1.38E-05	4.63E-11	1.4E-10	1.1E-10	8.02E-14	1.94E-12	1.06873E-13	2.12311E-12	1.501E-07	0.0001007	1.38184E-05	4.73772E-11	3.2406E-13	2.36475E-11	5.39163E-14
218	571070.6	4178159	0.55, 41781	1.06935	1.07923	0.71312	382.13438	155.20031	662.82772	54.74849	37.25068	94.68967	1.4E-07	0.00013	1.86E-05	4.33E-11	1.31E-10	1.03E-10	7.48E-14	1.81E-12	9.97998E-14	1.98259E-12	1.402E-07	0.00013025	1.8608E-05	4.42416E-11	3.02613E-13	2.20824E-11	5.03479E-14
219	571110.6	4178159	0.55, 41781	1.19831	1.16386	0.6846	373.85472	174.62061	736.75515	53.40782	39.37776	93.09067	1.35E-07	0.000145	1.83E-05	4.15E-11	1.25E-10	9.9E-11	7.19E-14	1.74E-12	9.58136E-14	1.9034E-12	1.346E-07	0.00014477	1.82938E-05	4.24745E-11	2.90526E-13	2.12004E-11	4.83369E-14
220	571150.6	4178159	0.55, 41781	1.53671	1.26322	0.72724	331.2731	149.81574	693.97089	50.26616	34.67292	96.78528	1.43E-07	0.000136	1.9E-05	4.41E-11	1.33E-10	1.05E-10	7.63E-14	1.84E-12	1.01783E-13	2.022E-12	1.43E-07	0.00013636	1.90195E-05	4.51209E-11	3.08627E-13	2.25213E-11	5.13485E-14
221	571190.6	4178159	0.55, 41781	1.71324	1.27647	0.80447	303.51531	125.05743	565.89383	43.45807	29.97586	80.84198	1.58E-07	0.000111	1.59E-05	4.88E-11	1.47E-10	1.16E-10	8.44E-14	2.04E-12	1.12588E-13	2.23664E-12	1.581E-07	0.0001112	1.58866E-05	4.99107E-11	3.41389E-13	2.4912E-11	5.67995E-14
222	571230.6	4178159	0.55, 41781	1.67997	1.21931	0.99011	277.00255	96.22407	622.39581	36.53844	24.95569	77.79948	1.95E-07	0.000122	1.53E-05	6.01E-11	1.81E-10	1.43E-10	1.04E-13	2.51E-12	1.38555E-13	2.7525E-12	1.946E-07	0.0001223	1.52884E-05	6.14221E-11	4.20127E-13	3.06577E-11	6.98996E-14
223	571270.6	4178159	0.55, 41781	1.56347	1.13234	1.265	251.98402	83.18585	536.39129	31.498	20.71301	67.04891	2.49E-07	0.000105	1.32E-05	7.67E-11	2.32E-10	1.83E-10	1.33E-13	3.21E-12	1.77006E-13	3.51635E-12	2.486E-07	0.0001054	1.31758E-05	7.84675E-11	5.36718E-13	3.91656E-11	8.92977E-14
224	571310.6	4178159	0.55, 41781	1.42012	1.03692	1.45126	223.09845	65.85457	360.16353	27.88731	18.21453	45.02044	2.85E-07	7.08E-05	8.85E-06	8.8E-11	2.66E-10	2.1E-10	1.52E-13	3.68E-12	2.03058E-13	4.03389E-12	2.852E-07	7.0771E-05	8.84733E-06	9.00165E-11	6.15713E-13	4.49301E-11	1.02441E-13
225	571350.6	4178159	0.55, 41781	1.26306	0.93714	1.42084	212.7442	53.05659	355.96566	26.59303	15.01468	44.49571	2.79E-07	6.99E-05	8.74E-06	8.62E-11	2.6E-10	2.06E-10	1.49E-13	3.6E-12	1.98799E-13	3.94928E-12	2.792E-07	6.9946E-05	8.74416E-06	8.81282E-11	6.02797E-13	4.39876E-11	1.00292E-13
226	571390.6	4178159	0.55, 41781	1.10199	0.83709	1.24864	185.92823	54.01949	274.01244	23.24103	13.29114	34.25155	2.45E-07	5.38E-05	6.73E-06	7.57E-11	2.29E-10	1.81E-10	1.31E-13	3.16E-12	1.74706E-13	3.47065E-12	2.454E-07	5.3843E-05	6.73116E-06	7.74476E-11	5.29742E-13	3.86566E-11	8.8137E-14
227	571430.6	4178159	0.55, 41781	0.9418	0.73869	1.04204	159.26436	53.60229	222.79179	21.61583	11.2268	27.84897	2.05E-07	4.38E-05	5.47E-06	6.32E-11	1.91E-10	1.51E-10	1.09E-13	2.64E-12	1.458E-13	2.89642E-12	2.048E-07	4.3779E-05	5.47306E-06	6.46338E-11	4.42095E-13	3.22608E-11	7.35546E-14
228	571470.6	4178159	0.55, 41781	0.79447	0.64516	0.85663	139.92539	51.85557	187.30754	21.06215	9.90602	27.91527	1.68E-07	3.68E-05	5.49E-06	5.19E-11	1.57E-10	1.24E-10	8.99E-14	2.17E-12	1.19859E-13	2.38109E-12	1.684E-07	3.6806E-05	5.48606E-06	5.31341E-11	3.63438E-13	2.65209E-11	6.04678E-14
229	571510.6	4178159	0.55, 41781	0.67282	0.56206	0.7111	120.25585	49.92459	159.61818	19.96311	8.50885	26.60303	1.4E-07	3.14E-05	5.23E-06	4.31E-11	1.3E-10	1.03E-10	7.46E-14	1.8E-12	9.94979E-14	1.9766E-12	1.398E-07	3.1366E-05	5.22817E-06	4.41078E-11	3.01697E-13	2.20156E-11	5.01956E-14
230	571550.6	4178159	0.55, 41781	0.57423	0.48972	0.59807	110.64777	47.57404	144.95635	18.4413	7.31081	24.15939	1.18E-07	2.85E-05	4.75E-06	3.63E-11	1.1E-10	8.65E-11	6.28E-14	1.52E-12	8.36832E-14	1.66243E-12	1.175E-07	2.8485E-05	4.74795E-06	3.70971E-11	2.53744E-13	1.85163E-11	4.22173E-14
231	571590.6	4178159	0.55, 41781	0.49292	0.42713	0.50772	100.4908	44.5532	128.72625	16.74847	6.44552	21.45437	9.98E-08	2.53E-05	4.22E-06	3.08E-11	9.3E-11	7.34E-11	5.33E-14	1.29E-12	7.10417E-14	1.41129E-12	9.978E-08	2.5295E-05	4.21636E-06	3.1493E-11	2.15412E-13	1.57192E-11	3.58397E-14
232	570310.6	4178199	0.55, 41781	0.10691	0.07648	0.10208	81.28791	24.55019	79.664	10.16099	3.94128	9.958	2.01E-08	1.57E-05	1.96E-06	6.19E-12	1.87E-11	1.48E-11	1.07E-14	2.59E-13	1.4283E-14	2.83743E-13	2.006E-08	1.5654E-05	1.95714E-06	6.33173E-12	4.3309E-14	3.16037E-12	7.20564E-15
233	570350.6	4178199	0.55, 41781	0.11881	0.08587	0.11329	92.41038	27.80697	96.15133	11.5513	4.55912	12.01892	2.23E-08	1.89E-05	2.36E-06	6.87E-12	2.07E-11	1.64E-11	1.19E-14	2.87E-13	1.58516E-14	3.14903E-13	2.226E-08	1.8894E-05	2.36216E-06	7.02706E-12	4.80651E-14	3.50743E-12	7.99695E-15
234	570390.6	4178199	0.55, 41781	0.13286	0.09703	0.12666	98.9418	30.67703	108.4605	12.36772	5.11284	13.55756	2.49E-08	2.13E-05	2.66E-06	7.68E-12	2.32E-11	1.83E-11	1.33E-14	3.21E-13	1.77223E-14	3.52067E-13	2.489E-08	2.1313E-05	2.66452E-06	7.85638E-12	5.37377E-14	3.92137E-12	8.94073E-15
235	570430.6	4178199	0.55, 41781	0.14935	0.11037	0.14231	98.24021	33.47488	112.67373	12.28003	5.57915	14.08422	2.8E-08	2.21E-05	2.77E-06	8.63E-12	2.61E-11	2.06E-11	1.49E-14	3.61E-13	1.99122E-14	3.95569E-13	2.797E-08	2.2141E-05	2.768E-06	8.82713E-12	6.03776E-14	4.4059E-12	1.00455E-14
236	570470.6	4178199	0.55, 41781	0.1686	0.12646	0.16043	107.25905	35.76824	115.05444	13.40738	5.96137	14.38181	3.15E-08	2.26E-05	2.83E-06	9.73E-12	2.94E-11	2.32E-11	1.68E-14	4.07E-13	2.24476E-14	4.45937E-13	3.153E-08	2.2609E-05	2.82653E-06	9.9511E-12	6.80655E-14	4.96691E-12	1.13246E-14
237	570510.6	4178199	0.55, 41781	0.19081	0.14598	0.18108	111.923	37.71142	131.96286	13.99038	6.28524	16.49536	3.56E-08	2.59E-05	3.24E-06	1.1E-11	3.32E-11	2.62E-11	1.9E-14	4.59E-13	2.53371E-14	5.03339E-13	3.559E-08	2.5931E-05	3.24184E-06	1.1232E-11	7.68271E-14	5.60626E-12	1.27823E-14
238	570550.6	4178199	0.55, 41781	0.21602	0.16987	0.20494	119.57772	40.00549	129.21029	14.94721	6.67621	16.15129	4.03E-08	2.54E-05	3.17E-06	1.24E-11	3.75E-11	2.96E-11	2.15E-14	5.19E-13	2.86758E-14	5.69665E-13	4.028E-08	2.539E-05	3.17429E-06	1.27121E-11	8.69507E-14	6.34501E-12	1.44666E-14
239	570590.6	4178199	0.55, 41781	0.24388	0.19917	0.2325	124.08345	42.52786	147.10165	15.51043	7.78928	18.38771	4.57E-08	2.89E-05	3.61E-06	1.41E-11	4.26E-11	3.36E-11	2.44E-14	5.89E-13	3.25323E-14	6.46276E-13	4.569E-08	2.8906E-05	3.61374E-06	1.44217E-11	9.86443E-14	7.19832E-12	1.64122E-14
240	570630.6	4178199	0.55, 41781	0.27242	0.23473	0.26214	135.79301	45.13025	156.31523	16.97413	8.73982	19.5394	5.15E-08	3.07E-05	3.84E-06	1.59E-11	4.8E-11	3.79E-11	2.75E-14	6.64E-13	3.668E-14	7.28673E-13	5.152E-08	3.0716E-05	3.84011E-06	1.62604E-11	1.11221E-13	8.11607E-12	1.85046E-14
241	570670.6	4178199	0.55, 41781	0.29828	0.27729	0.29064	136.89517	48.04336	174.48935	17.44831	9.65486	21.81117	5.71E-08	3.43E-05	4.29E-06	1.76E-11	5.32E-11	4.2E-11	3.05E-14	7.37E-13	4.06684E-14	8.07906E-13	5.712E-08	3.4288E-05	4.2865E-06	1.80285E-11	1.23315E-13	8.99858E-12	2.05168E-14
242	570710.6	4178199	0.55, 41781	0.321	0.32818	0.31291	151.98197	52.23375	185.24815	19.68934	11.4382	23.15602	6.15E-08	3.64E-05	4.55E-06	1.9E-11	5.73E-11	4.53E-11	3.28E-14	7.93E-13	4.37856E-14	8.69832E-13	6.15E-08	3.6402E-05	4.55087E-06	1.94103E-11	1.32767E-13	9.68831E-12	2.20893E-14
243	570750.6	4178199	0.55, 41781	0.34558	0.38955	0.32771	144.14265	57.26085	196.68908	22.53194	13.53855	24.58613	6.44E-08	3.86E-05	4.83E-06	1.99E-11	6E-11	4.74E-11	3.44E-14	8.31E-13	4.58582E-14	9.11005E-13	6.441E-08	3.865E-05	4.83202E-06	2.03291E-11	1.39051E-13	1.01469E-11	2.31349E-14
244	570790.6	4178199	0.55, 41781	0.38143	0.46429	0.35275	173.32889	66.95506	241.81218	25.57778	15.36352	36.58263	6.93E-08	4.75E-05	7.19E-06	2.14E-11	6.46E-11	5.1E-11	3.7E-14	8.94E-13	4.93637E-14	9.80645E-13	6.933E-08	4.7517E-05	7.18931E-06	2.18831E-11	1.49681E-13	1.09226E-11	2.49035E-14
245	570830.6	4178199	0.55, 41781	0.44289	0.55991	0.39405	200.31972	78.9407	262.23048	28.47462	17.66262	37.4615	7.75E-08	5.15E-05	7.36E-06	2.39E-11	7.22E-11	5.7E-11	4.14E-14	9.99E-13	5.51447E-14	1.09549E-12	7.745E-08	5.1529E-05	7.36215E-06	2.44459E-11	1.6721E-13	1.22017E-11	2.78199E-14
246	570870.6	4178199	0.55, 41781	0.55133	0.6879	0.45528	245.75399	83.68372	263.19795	34.28137	20.83884	36.18743	8.95E-08	5.17E-05	7.11E-06	2.76E-11	8.34E-11	6.59E-11	4.78E-14	1.15E-12	6.37151E-14	1.26574E-12	8.949E-08	5.172E-05	7.11213E-06	2.82451E-11	1.93197E-13	1.4098E-11	3.21435E-14
247	570910.6	4178199	0.55, 41781	0.74216	0.86472	0.57468	353.61381	98.21675	387.24795	44.20173	24.01316	48.40599	1.13E-07	7.61E-05	9.51E-06	3.49E-11	1.05E-10	8.31E-11	6.03E-14	1.46E-12	8.04248E-14	1.59769E-12	1.13E-07	7.6095E-05	9.51342E-06	3.56526E-11	2.43864E-13	1.77954E-11	4.05734E-14
248	570950.6	4178199	0.55, 41781	1.08517	1.1274	0.77671	376.11466	111.85514	479.74888	52.74149	29.33795	59.96861	1.53E-07	9.43E-05	1.18E-05	4.71E-11	1.42E-10	1.12E-10	8.15E-14	1.97E-12	1.08697E-13	2.15935E-12	1.527E-07	9.4271E-05	1.17858E-05	4.81859E-11	3.29591E-13	2.40511E-11	5.48365E-14
249	570990.6	4178199	0.55, 41781	1.58976	1.56693	1.05873	410.19015	135.68135	559.12982	68.60008	44.06737	76.18548	2.08E-07	0.00011	1.5E-05	6.42E-11	1.94E-10	1.53E-10	1.11E-13	2.68E-12	1.48166E-13	2.94342E-12	2.081E-07	0.00010987	1.4973E-05	6.56826E-11	4.49269E-13	3.27843E-11	7.47482E-14
250	571030.6	4178199	0.55, 41781	2.42958	2.27373	1.377	561.74649	191.25505	728.04918	107.05418	55.40677	100.45619	2.71E-07	0.000143	1.97E-05	8.35E-11	2.52E-10	1.99E-10	1.45E-13	3.49E-12	1.92717E-13	3.82845E-12	2.707E-07	0.00014306	1.97439E-05	8.5432E-11	5.84355E-13	4.26418E-11	9.72234E-14
251	571070.6	4178199	0.55, 41781	3.58306	3.18041	1.39903	721.18769	259.71405	966.70756	139.44796	73.67892	146.94766	2.75E-07	0.00019	2.89E-05	8.49E-11	2.56E-10	2.02E-10	1.47E-13	3.55E-12	1.95834E-13	3.89038E-12	2.751E-07	0.00018996	2.88805E-05	8.6814E-11	5.93808E-13	4.33317E-11	9.87962E-14
252	571110.6	4178199	0.55, 41781	5.26167	3.22788	1.2956	536.30163	206.72583	1199.13306	116.57539	57.94295	153.9862	2.55E-07	0.000236	3.03E-05	7.86E-11	2.37E-10	1.87E-10	1.36E-13	3.29E-12	1.81373E-13	3.60311E-12	2.548E-07	0.00023562	3.02622E-05	8.04036E-11	5.4996E-13	4.0132E-11	9.15009E-14
253	571150.6	4178199	0.55, 41781	4.55265	2.7214	1.43074	406.82024	165.14744	1078.46551	75.27018	43.84452	138.95995	2.81E-07	0.000212	2.73E-05	8.68E-11	2.62E-10	2.07E-10	1.5E-13	3.63E-12	2.00258E-13	3.97827E-12	2.813E-07	0.00021191	2.73076E-05	8.87751E-11	6.07222E-13	4.43105E-11	1.01028E-13
254	571190.6	4178199	0.55, 41781	3.6655	2.27193	1.9191	348.88414	129.45816	921.59929	55.11772	35.12171	118.18584	3.77E-07	0.000181	2.32E-05	1.16E-10	3.51E-10	2.78E-10	2.01E-13	4.87E-12	2.68556E-13	5.33505E-12	3.772E-07	0.00018109	2.32247E-05	1.19052E-10	8.14314E-13	5.94226E-11	1.35483E-13

255	571230.6	4178199	0.55, 41781	2.99647	1.91661	2.63905	311.11499	100.77545	780.81724	44.29874	28.05958	97.60216	5.19E-07	0.000153	1.92E-05	1.6E-10	4.83E-10	3.82E-10	2.77E-13	6.69E-12	3.69255E-13	7.33551E-12	5.186E-07	0.00015343	1.91797E-05	1.63692E-10	1.11965E-12	8.17039E-11	1.86285E-13
256	571270.6	4178199	0.55, 41781	2.48655	1.63354	2.7833	275.28639	78.6156	563.64868	36.03295	23.70769	70.45609	5.47E-07	0.000111	1.38E-05	1.69E-10	5.1E-10	4.03E-10	2.92E-13	7.05E-12	3.89422E-13	7.73615E-12	5.47E-07	0.00011075	1.38455E-05	1.72632E-10	1.18081E-12	8.61663E-11	1.96459E-13
257	571310.6	4178199	0.55, 41781	2.04979	1.39182	2.36332	251.65063	69.80646	418.93362	31.45633	18.505	52.3667	4.64E-07	8.23E-05	1.03E-05	1.43E-10	4.33E-10	3.42E-10	2.48E-13	5.99E-12	3.30661E-13	6.56882E-12	4.644E-07	8.2319E-05	1.0291E-05	1.46583E-10	1.00263E-12	7.31644E-11	1.66815E-13
258	571350.6	4178199	0.55, 41781	1.66907	1.18291	1.84305	207.71058	67.17721	304.96385	28.41822	15.5683	43.42728	3.62E-07	5.99E-05	8.53E-06	1.12E-10	3.37E-10	2.67E-10	1.93E-13	4.67E-12	2.57872E-13	5.1228E-12	3.622E-07	5.9925E-05	8.53433E-06	1.14316E-10	7.81918E-13	5.70585E-11	1.30093E-13
259	571390.6	4178199	0.55, 41781	1.33874	0.99933	1.42084	175.53523	63.93291	243.3206	26.80029	13.20173	40.55343	2.79E-07	4.78E-05	7.97E-06	8.62E-11	2.6E-10	2.06E-10	1.49E-13	3.6E-12	1.98801E-13	3.94933E-12	2.792E-07	4.7813E-05	7.96958E-06	8.81293E-11	6.02805E-13	4.39882E-11	1.00293E-13
260	571430.6	4178199	0.55, 41781	1.08215	0.84466	1.12094	146.49279	60.30749	207.71024	24.41546	11.02968	34.61837	2.2E-07	4.08E-05	6.8E-06	6.8E-11	2.05E-10	1.62E-10	1.18E-13	2.84E-12	1.56842E-13	3.11577E-12	2.203E-07	4.0816E-05	6.8033E-06	6.95286E-11	4.75575E-13	3.47039E-11	7.9125E-14
261	571470.6	4178199	0.55, 41781	0.88511	0.71494	0.90372	129.54701	55.96987	172.11269	21.59117	9.33698	28.68545	1.78E-07	3.38E-05	5.64E-06	5.48E-11	1.65E-10	1.31E-10	9.48E-14	2.29E-12	1.2645E-13	2.51201E-12	1.776E-07	3.3821E-05	5.63742E-06	5.60556E-11	3.8342E-13	2.79791E-11	6.37924E-14
262	571510.6	4178199	0.55, 41781	0.73336	0.60746	0.74181	112.64977	51.14316	142.69265	18.77496	8.40942	23.78211	1.46E-07	2.8E-05	4.67E-06	4.5E-11	1.36E-10	1.07E-10	7.78E-14	1.88E-12	1.03796E-13	2.06197E-12	1.458E-07	2.804E-05	4.67383E-06	4.6013E-11	3.14729E-13	2.29666E-11	5.23638E-14
263	571550.6	4178199	0.55, 41781	0.6189	0.52125	0.62191	97.68282	46.08498	120.36205	16.28047	7.59304	20.06034	1.22E-07	2.37E-05	3.94E-06	3.77E-11	1.14E-10	9E-11	6.53E-14	1.58E-12	8.70195E-14	1.7287E-12	1.222E-07	2.3652E-05	3.94243E-06	3.85761E-11	2.6386E-13	1.92545E-11	4.39004E-14
264	571590.6	4178199	0.55, 41781	0.52714	0.45016	0.52751	84.87826	41.93857	102.67653	14.14638	6.8553	17.11275	1.04E-07	2.02E-05	3.36E-06	3.2E-11	9.66E-11	7.63E-11	5.54E-14	1.34E-12	7.3811E-14	1.46631E-12	1.037E-07	2.0177E-05	3.36316E-06	3.27207E-11	2.2381E-13	1.63319E-11	3.72368E-14
265	570310.6	4178239	0.55, 41782	0.10871	0.07725	0.10419	69.36135	22.19632	77.30253	9.49069	3.20395	10.55794	2.05E-08	1.52E-05	2.07E-06	6.32E-12	1.91E-11	1.51E-11	1.09E-14	2.64E-13	1.45782E-14	2.89607E-13	2.048E-08	1.519E-05	2.07499E-06	6.46259E-12	4.42041E-14	3.22568E-12	7.35456E-15
266	570350.6	4178239	0.55, 41782	0.12097	0.08699	0.11543	80.24676	23.95533	77.73127	10.03084	3.79637	10.6184	2.27E-08	1.53E-05	2.09E-06	7E-12	2.11E-11	1.67E-11	1.21E-14	2.93E-13	1.6151E-14	3.20851E-13	2.269E-08	1.5275E-05	2.08689E-06	7.15979E-12	4.8973E-14	3.57368E-12	8.148E-15
267	570390.6	4178239	0.55, 41782	0.13576	0.09875	0.129	97.68381	28.15369	96.07123	12.21048	4.56788	12.0089	2.54E-08	1.89E-05	2.36E-06	7.82E-12	2.36E-11	1.87E-11	1.35E-14	3.27E-13	1.80498E-14	3.58571E-13	2.535E-08	1.8878E-05	2.36022E-06	8.00153E-12	5.47304E-14	3.99382E-12	9.10591E-15
268	570430.6	4178239	0.55, 41782	0.15369	0.11303	0.14573	112.57412	32.01468	119.02369	14.07177	5.30028	14.87796	2.86E-08	2.34E-05	2.92E-06	8.84E-12	2.67E-11	2.11E-11	1.53E-14	3.69E-13	2.03907E-14	4.05075E-13	2.864E-08	2.3389E-05	2.92405E-06	9.03927E-12	6.18286E-14	4.51179E-12	1.02869E-14
269	570470.6	4178239	0.55, 41782	0.17542	0.1305	0.16624	120.86213	35.6675	135.90431	15.10777	5.94458	16.98804	3.27E-08	2.67E-05	3.34E-06	1.01E-11	3.04E-11	2.4E-11	1.74E-14	4.21E-13	2.32605E-14	4.62087E-13	3.267E-08	2.6706E-05	3.33871E-06	1.03115E-11	7.05305E-14	5.14679E-12	1.17347E-14
270	570510.6	4178239	0.55, 41782	0.20166	0.15208	0.19089	118.29832	38.86505	139.27939	14.78729	6.47751	17.40992	3.75E-08	2.74E-05	3.42E-06	1.16E-11	3.5E-11	2.76E-11	2E-14	4.84E-13	2.67097E-14	5.30606E-13	3.752E-08	2.7369E-05	3.42158E-06	1.18405E-11	8.0989E-14	5.90997E-12	1.34747E-14
271	570550.6	4178239	0.55, 41782	0.23297	0.17899	0.21994	134.82021	41.51275	155.81716	16.85253	6.91879	19.47714	4.32E-08	3.06E-05	3.83E-06	1.33E-11	4.03E-11	3.18E-11	2.31E-14	5.58E-13	3.07745E-14	6.11357E-13	4.322E-08	3.0618E-05	3.82787E-06	1.36425E-11	9.33144E-14	6.80939E-12	1.55254E-14
272	570590.6	4178239	0.55, 41782	0.26933	0.21289	0.25402	138.182	44.61865	161.93184	17.27275	7.89914	20.24148	4.99E-08	3.18E-05	3.98E-06	1.54E-11	4.65E-11	3.67E-11	2.67E-14	6.44E-13	3.55433E-14	7.06092E-13	4.992E-08	3.182E-05	3.97807E-06	1.57565E-11	1.07774E-13	7.86456E-12	1.79312E-14
273	570630.6	4178239	0.55, 41782	0.31001	0.25571	0.29378	151.57706	47.88426	180.12829	18.94713	9.37801	22.51604	5.77E-08	3.54E-05	4.43E-06	1.78E-11	5.38E-11	4.25E-11	3.08E-14	7.45E-13	4.11069E-14	8.16618E-13	5.774E-08	3.5396E-05	4.42508E-06	1.82229E-11	1.24644E-13	9.09561E-12	2.0738E-14
274	570670.6	4178239	0.55, 41782	0.35129	0.30919	0.33746	163.01094	51.1286	193.67566	20.37637	10.66356	24.20946	6.63E-08	3.81E-05	4.76E-06	2.05E-11	6.18E-11	4.88E-11	3.54E-14	8.55E-13	4.72194E-14	9.38046E-13	6.632E-08	3.8058E-05	4.75789E-06	2.09325E-11	1.43178E-13	1.04481E-11	2.38216E-14
275	570710.6	4178239	0.55, 41782	0.3879	0.37553	0.37852	161.77129	55.27243	215.9147	21.46966	11.91574	26.98934	7.44E-08	4.24E-05	5.3E-06	2.3E-11	6.93E-11	5.48E-11	3.97E-14	9.6E-13	5.29657E-14	1.0522E-12	7.439E-08	4.2428E-05	5.30415E-06	2.34799E-11	1.60602E-13	1.17196E-11	2.67206E-14
276	570750.6	4178239	0.55, 41782	0.41955	0.45853	0.40652	185.09687	61.2613	243.75059	24.33831	15.0229	31.56234	7.99E-08	4.79E-05	6.2E-06	2.47E-11	7.44E-11	5.88E-11	4.27E-14	1.03E-12	5.68856E-14	1.13007E-12	7.99E-08	4.7897E-05	6.20283E-06	2.52176E-11	1.72488E-13	1.25869E-11	2.86982E-14
277	570790.6	4178239	0.55, 41782	0.45531	0.56517	0.42739	195.76674	71.16962	229.68596	30.0466	17.67317	35.54387	8.4E-08	4.51E-05	6.99E-06	2.59E-11	7.83E-11	6.18E-11	4.49E-14	1.08E-12	5.98089E-14	1.18815E-12	8.401E-08	4.5134E-05	6.98545E-06	2.65135E-11	1.81352E-13	1.32337E-11	3.01729E-14
278	570830.6	4178239	0.55, 41782	0.51729	0.70869	0.46924	186.14136	86.93814	313.42291	30.32646	20.0795	44.72862	9.22E-08	6.16E-05	8.79E-06	2.85E-11	8.59E-11	6.79E-11	4.92E-14	1.19E-12	6.56685E-14	1.30455E-12	9.224E-08	6.1588E-05	8.79013E-06	2.91111E-11	1.9912E-13	1.45303E-11	3.3129E-14
279	570870.6	4178239	0.55, 41782	0.63421	0.91745	0.53024	225.98347	96.3139	311.28977	37.66391	24.81387	41.34654	1.04E-07	6.12E-05	8.13E-06	3.22E-11	9.71E-11	7.67E-11	5.57E-14	1.34E-12	7.42095E-14	1.47422E-12	1.042E-07	6.117E-05	8.126E-06	3.28973E-11	2.25018E-13	1.64201E-11	3.74379E-14
280	570910.6	4178239	0.55, 41782	0.85302	1.23442	0.65693	293.13359	117.47886	326.7744	47.06613	30.6738	48.00957	1.29E-07	6.42E-05	9.44E-06	3.99E-11	1.2E-10	9.5E-11	6.9E-14	1.67E-12	9.19439E-14	1.82653E-12	1.291E-07	6.4213E-05	9.43569E-06	4.07591E-11	2.78792E-13	2.03442E-11	4.63847E-14
281	570950.6	4178239	0.55, 41782	1.35023	1.79208	0.88884	455.80102	142.22416	478.03953	68.40553	39.86266	68.50221	1.75E-07	9.39E-05	1.35E-05	5.39E-11	1.63E-10	1.29E-10	9.33E-14	2.25E-12	1.24407E-13	2.47143E-12	1.747E-07	9.3937E-05	1.34633E-05	5.51501E-11	3.77227E-13	2.75272E-11	6.2762E-14
282	570990.6	4178239	0.55, 41782	3.0182	3.06414	1.32054	885.93977	193.04223	771.54657	147.1874	58.20401	96.44332	2.6E-07	0.000152	1.9E-05	8.01E-11	2.42E-10	1.91E-10	1.39E-13	3.35E-12	1.84848E-13	3.67213E-12	2.596E-07	0.00015161	1.89576E-05	8.19438E-11	5.60496E-13	4.09008E-11	9.32538E-14
283	571030.6	4178239	0.55, 41782	7.70332	4.46365	2.30139	679.65913	243.63294	1123.21669	144.28562	71.78775	156.8655	4.52E-07	0.000221	3.08E-05	1.4E-10	4.22E-10	3.33E-10	2.42E-13	5.84E-12	3.22126E-13	6.39925E-12	4.524E-07	0.00022071	3.08295E-05	1.428E-10	9.76749E-13	7.12758E-11	1.62509E-13
284	571110.6	4178239	0.55, 41782	48.37684	13.76668	3.52906	1082.14109	288.2044	2417.61379	441.33003	115.9324	328.07057	6.94E-07	0.000475	6.45E-05	2.14E-10	6.47E-10	5.11E-10	3.71E-13	8.96E-12	4.94344E-13	9.82048E-12	6.943E-07	0.00047504	6.44847E-05	2.19144E-10	1.49895E-12	1.09382E-10	2.49391E-13
285	571150.6	4178239	0.55, 41782	14.38318	6.22649	4.84511	550.93904	192.81003	1871.63269	147.46183	59.89562	339.77194	9.52E-07	0.000368	6.68E-05	2.94E-10	8.87E-10	7.01E-10	5.09E-13	1.23E-11	6.78054E-13	1.347E-11	9.524E-07	0.00036776	6.6768E-05	3.00584E-10	2.05599E-12	1.50031E-10	3.42071E-13
286	571190.6	4178239	0.55, 41782	8.08563	4.10425	7.76231	423.01159	138.20819	1326.9005	88.76631	43.45879	203.98194	1.53E-06	0.000261	4.01E-05	4.71E-10	1.42E-09	1.12E-09	8.15E-13	1.97E-11	1.08604E-12	2.1575E-11	1.525E-06	0.00026073	4.00841E-05	4.81447E-10	3.2931E-12	2.40306E-10	5.47897E-13
287	571230.6	4178239	0.55, 41782	5.48613	3.01374	6.36519	364.79857	99.98669	820.37732	64.1708	32.88659	114.5851	1.25E-06	0.000161	2.25E-05	3.86E-10	1.17E-09	9.21E-10	6.68E-13	1.61E-11	8.90552E-13	1.76915E-11	1.251E-06	0.0001612	2.25177E-05	3.94785E-10	2.70033E-12	1.9705E-10	4.49274E-13
288	571270.6	4178239	0.55, 41782	3.91656	2.30583	4.21608	308.69657	91.16262	501.73471	42.97299	25.31404	83.35946	8.29E-07	9.86E-05	1.64E-05	2.56E-10	7.72E-10	6.1E-10	4.42E-13	1.07E-11	5.89883E-13	1.17184E-11	8.285E-07	9.8589E-05	1.63812E-05	2.61497E-10	1.78864E-12	1.30522E-10	2.97589E-13
289	571310.6	4178239	0.55, 41782	2.81911	1.80691	2.86031	238.76095	82.99282	368.88984	36.57222	19.65898	61.48164	5.62E-07	7.25E-05	1.21E-05	1.73E-10	5.24E-10	4.14E-10	3E-13	7.25E-12	4.00202E-13	7.9503E-12	5.621E-07	7.2487E-05	1.20822E-05	1.77411E-10	1.21349E-12	8.85516E-11	2.01898E-13
290	571350.6	4178239	0.55, 41782	2.07392	1.43877	2.07081	186.98174	75.01218	257.12826	31.16362	15.62493	42.85471	4.07E-07	5.05E-05	8.42E-06	1.26E-10	3.79E-10	3E-10	2.17E-13	5.25E-12	2.89744E-13	5.75596E-12	4.07E-07	5.0526E-05	8.42198E-06	1.28444E-10	8.7856E-13	6.41107E-11	1.46172E-13
291	571390.6	4178239	0.55, 41782	1.57003	1.1589	1.56847	153.36435	67.14235	200.39228	25.56072	13.28221	31.13336	3.08E-07	3.94E-05	6.12E-06	9.51E-11	2.87E-10	2.27E-10	1.65E-13	3.98E-12	2.1946E-13	4.35972E-12	3.082E-07	3.9378E-05	6.11861E-06	9.72873E-11	6.65445E-13	4.85592E-11	1.10715E-13
292	571430.6	4178239	0.55, 41782	1.23548	0.94866	1.2378	124.99719	59.46648	164.5542	20.83286	11.6734	24.18073	2.43E-07	3.23E-05	4.75E-06	7.51E-11	2.27E-10	1.79E-10	1.3E-13	3.14E-12	1.73194E-13	3.44061E-12	2.433E-07	3.2336E-05	4.75227E-06	7.67774E-11	5.25157E-13	3.8322E-11	8.73742E-14
293	571470.6	4178239	0.55, 41782	0.99131	0.7845	0.9961	109.3041	54.21436	142.14876	17.2339	10.26711	19.9293	1.96E-07	2.79E-05	3.92E-06	6.04E-11	1.82E-10	1.44E-10	1.05E-13	2.52E-12	1.39375E-13	2.76879E-12	1.958E-07	2.7933E-05	3.91673E-06	6.17857E-11	4.22614E-13	3.08392E-11	7.03134E-14
294	571510.6	4178239	0.55, 41782	0.81688	0.65976	0.82266	100.30585	50.40167	129.05875	14.55844	9.03737	16.96469	1.62E-07	2.54E-05	3.33E-06	4.99E-11	1.51E-10	1.19E-10	8.63E-14	2.09E-12	1.15108E-13	2.2867E-12	1.617E-07	2.5361E-05	3.33409E-06	5.10278E-11	3.4903E-13	2.54696E-11	5.80707E-14
295	571550.6	4178239	0.55, 41782	0.68618	0.56281	0.69258	92.19218	46.80105	116.817	12.52836	7.96128	14.60636	1.36E-07	2.3E-05	2.87E-06	4.2E-11	1.27E-10	1E-10	7.27E-14	1.76E-12	9.69072E-14	1.92513E-12	1.361E-07	2.2956E-05	2.8706E-06	4.29593E-11	2.93842E-13	2.14424E-11	4.88886E-14
296	571590.6	4178239	0.55, 41782	0.57854	0.48285	0.58537	84.94405	43.3686	105.85184	10.89629	7.01254	13.23148	1.15E-07	2.08E-05	2.6E-06	3.55E-11	1.07E-10	8.47E-11	6.14E-14	1.48E-12	8.19064E-14	1.62713E-12	1.15E-07	2.0801E-05	2.60037E-06	3.63094E-11	2.48356E-13	1.81232E-11	4.13209E-14
297	570310.6	4178279	0.55, 41782	0.11004	0.07807	0.10589	74.04292	22.79319	77.67346	10.17864	3.64675	10.70288	2.08E-08	1.53E-05	2.1E-06	6.42E-12	1.94E-11	1.53E-11	1.11E-14	2.68E-13	1.48161E-14	2.94332E-13	2.081E-08	1.5263E-05	2.1035E-06	6.56803E-12	4.49253E-14	3.27831E-12	7.47455E-15
298	570350.6	4178279	0.55, 41782	0.12249	0.08802	0.11726	80.9847	23.74961	88.18196	11.08549	3.81596	12.05595	2.3E-08	1.73E-05	2.37E-06	7.11E-12	2.15E-11	1.7E-11	1.23E-14	2.97E-13	1.6407E-14	3.25937E-13	2.304E-08	1.7328E-05	2.36941E-06	7.2733E-12	4.97494E-14	3.63034E-12	8.27717E-15
299	570390.6	4178279	0.55, 41782	0.13757	0.10016	0.13084	86.03589	24.80698	96.47388	11.74551	4.00404	13.13274	2.57E-08	1.9E-05	2.58E-06	7.93E-12	2.4E-11	1.89E-11	1.37E-14	3.32E-13	1.83072E-14	3.63686E-13	2.571E-08	1.8957E-05	2.58102E-06	8.11566E-12	5.55111E-14	4.05078E-12	9.23579E-15
300	570430.6	4178279	0.55, 41782	0.15607	0.11514	0.14747	96.31741	27.84204	100.58043	12.03968	4.46456	13.6645	2.9E-08	1.98E-05	2.69E-06	8.94E-12	2.7E-11	2.13E-11	1.55E-14	3.74E-13	2.06342E-14	4.09912E-13	2.898E-08	1.9764E-05	2.68552E-06	9.14721E-12	6.25669E-14	4.56566E-12	1.04097E-14
301	570470.6	4178279	0.55, 41782	0.17907	0.13378	0.16835	120.52086	33.01708	119.41006	15.06511	5.41696	14.92626	3.31E-08	2.35E-05	2.93E-06	1.02E-11	3.08E-11	2.44E-11	1.77E-14	4.27E-13	2.35558E-14	4.67953E-13	3.309E-08	2.3465E-05	2.9336E-06	1.04424E-11	7.14259E-14	5.21213E-12	1.18836E-14
302	570510.6	4178279	0.55, 41782	0.20795	0.15724	0.19497	141.57577	37.85068	153.41811	17.69697	6.30845	19.17726	3.83E-08	3.01E-05	3.77E-06	1.18E-11	3.57E-11	2.82E-11	2.05E-14	4.94E-13	2.72806E-14	5.41949E-13	3.832E-08	3.0147E-05	3.76899E-06	1.20936E-11	8.27202E-14	6.0363E-12	1.37628E-14
303	570550.6	4178279	0.55, 41782	0.24435	0.18714	0.22876	153.17347	42.50173	177.88461	19.14668	7.08362	22.23558	4.5E-08	3.5E-05	4.37E-06	1.39E-11	4.19E-11	3.31E-11	2.4E-14	5.8E-13	3.20087E-14	6.35875E-13	4.496E-08	3.4955E-05	4.36999E-06	1.41896E-11	9.70566E-14	7.08247E-12	1.6148E-14
304	570590.6	4178279	0.55, 41782	0.28993	0.22577	0.27077	157.86485	46.41285	177.78268	19.73311	7.73548	22.22284	5.32E-08	3.49E-05	4.37E-06	1.64E-11	4.96E-11	3.92E-11	2.84E-14	6.86E-13	3.7887E-14	7.52651E-13	5.321E-08	3.4935E-05	4.36751E-06	1.67954E-11	1.14881E-13	8.38314E-12	1.91136E-14
305	570630.6	4178279	0.55, 41782	0.34541	0.27631	0.32199	169.89337	50.77009	212.69617	21.23667	9.57894	26.58702	6.33E-08	4.18E-05	5.23E-06	1.95E-11	5.9E-11	4.66E-11	3.38E-14	8.16E-13	4.50541E-14	8.95031E-13	6.328E-08	4.1795E-05	5.22509E-06	1.99727E-11	1.36613E-13	9.96899E-12	2.27293E-14
306	570670.6	4178279	0.55, 41782	0.40869	0.34273	0.38328	189.16159	55.36754	226.13934	23.6452	11.64813	28.26742	7.53E-08	4.44E-05	5.56E-06	2.32E-11	7.02E-11	5.54E-11	4.02E-14	9.72E-13	5.36305E-14	1.06541E-12	7.533E-08	4.4437E-05	5.55539E-06	2.37746E-11	1.62618E-13	1.18667E-11	2.7056E-14
307	570710.6	4178279	0.55, 41782	0.47241	0.42944	0.45188	202.37611	59.97812	249.97635	25.29701	13.4468	31.24704	8.88E-08	4.91E-05	6.14E-06	2.74E-11	8.27E-11	6.54E-11	4.74E-14	1.15E-12	6.32302E-14	1.25611E-12	8.881E-08	4.9121E-05	6.14093E-06	2.80302E-11	1.91726E-13	1.39908E-11	3.18989E-14
308	570750.6	4178279	0.55, 41782	0.52143	0.53099	0.51003	207.36077	66.44988	280.46815	28.38204	16.35494	35.05852	1E-07	5.51E-05	6.89E-06	3.09E-11	9.34E-11	7.38E-11	5.35E-14	1.29E-12	7.13685E-14	1.41779E-12	1.002E-07	5.5112E-05	6.89E-06	3.16379E-11	2.16403E-13	1.57915E-11	3.60046E-14
309	570790.6	4178279	0.55, 41782	0.56782	0.69623	0.54766	217.33897	75.80804	318.83899	33.24185	20.36018	42.96761	1.08E-07	6.27E-05	8.44E-06	3.32E-11	1E-10	7.92E-11	5.75E-14	1.39E-12	7.66385E-14	1.52248E-12	1.076E-07	6.2652E-05	8.44427E-06	3.39741E-11	2.32383E-13	1.69576E-11	3.86633E-14
310	570830.6	4178279	0.55, 41782	0.62461	0.91706	0.58168	236.67869	94.57659	403.572	34.09074	24.90976	60.93237	1.14E-07	7.93E-05	1.2E-05	3.53E-11	1.07E-10	8.42E-11	6.11E-14	1.47E-12	8.14054E-14	1.61717E-12	1.143E-07	7.9302E-05	1.19741E-05	3.60873E-11	2.46837E-13	1.80123E-11	4.10681E-14
311	570870.6	4178279	0.55, 41782	0.74364	1.27032	0.64347	232.57719	121.10786	430.4482	38.76287	29.17824	53.80602	1.26E-07	8.46E-05	1.06E-05	3.9E-11	1.18E-10	9.31E-11	6.75E-14	1.63E-12	9.00618E-14	1.78914E-12	1.265E-07	8.4584E-05	1.05742E-05	3.99247E-11	2.73085E-13	1.99277E-11	4.54352E-14
312	570910.6	4178279	0.55, 41782	0.98087	1.94043	0.78377	289.58181	139.00222	423.1545	48.26363	45.30681	59.61258	1.54E-07	8.32E-05	1.17E-05	4.76E-11	1.44E-10	1.13E-10	8.23E-14	1.99E-12	1.09712E-13	2.17951E-12	1.541E-07	8.3152E-05	1.17156E-05	4.86359E-11	3.3267E-13	2.42758E-11	5.53487E-14
313	570950.6	4178279	0.55, 41782	1.54705	3.33468	1.05206	380.89662	209.14004	464.4183	63.48277	60.99964	77.40305	2.07E-07	9.13E-05	1.52E-05	6.38E-11	1.93E-10	1.52E-10	1.1E-13	2.67E-12	1.47294E-13	2.9261E-12	2.069E-07	9.1263E-05	1.52119E-05	6.52959E-11	4.46624E-13	3.25913E-11	7.43081E-14
314	571150.6	4178279	0.55, 41782	125.5821	15.27099	61.53709	2183.625	235.47088	4321.7852	1020.3296	115.3363	966.08792	1.21E-05	0.000849	0.00019	3.73E-09	1.13E-08	8.9E-09	6.46E-12	1.56E-10	8.60945E-12	1.71033E-10	1.209E-05	0.00084919	0.000189877	3.8166E-09	2.61055E-11	1.90499E-09	4.34337E-12
315	571190.6	4178279	0.55, 41782	19.14498	7.50598	20.68123	704.1647	157.76938	1300.13062	186.41477	61.8786	262.75525	4.06E-06	0.000255	5.16E-05	1.25E-09	3.79E-09	2.99E-09	2.17E-12	5.24E-11	2.89343E-12	5.74801E-11	4.064E-06	0.00025547	5.16375E-05	1.28267E-09	8.77346E-12	6.40222E-10	1.45971E-12
316	571230.6	4178279	0.55, 41782	9.41744	4.44398	9.68706	418.2482	120.63814	710.71948	87.01567	39.51148	138.35634	1.9E-06	0.00014	2.72E-05	5.87E-10	1.77E-09	1.4E-09	1.02E-12	2.46E-11	1.35531E-12	2.69243E-11	1.904E-06	0.00013965	2.71896E-05	6.00816E-10	4.10958E-12	2.99886E-10	6.83741E-13
317	571270.6	4178279	0.55, 41782	5.33507	3.02277	5.65407	265.61255	99.06709	486.13138	58.88721	29.56115	89.94232	1.11E-06	9.55E-05	1.77E-05	3.43E-10	1.04E-09	8.18E-10	5.93E-13	1.43E-11	7.91074E-13	1.57152E-11	1.111E-06	9.5524E-05	1.76755E-05	3.50686E-10	2.39869E-12	1.75039E-10	3.99088E-13
318	571310.6	4178279	0.55, 41782	3.44949	2.20529	3.73581	197.38222	83.78037	349.19747	42.40574	23.44903	62.97539	7.34E-07	6.86E-05	1.24E-05	2.27E-10	6.84E-10	5.4E-10	3.92E-13	9.47E-12	5.22692E-13	1.03837E-11	7.342E-07	6.8617E-05	1.2376E-05	2.31712E-10	1.58491E-12	1.15655E-10	2.63693E-13
319	571350.6	4178279	0.55, 41782	2.42474	1.67304	2.63741	164.77993	74.08708	262.11907	31.82391	19.20475	45.98547	5.18E-07	5.15E-05	9.04E-06	1.6E-10	4.83E-10	3.81E-10	2.77E-13	6.68E-12	3.69015E-13	7.33074E-12	5.183E-07	5.1507E-05	9.03716E-06	1.63586E-10	1.11893E-12	8.16508E-11	1.86164E-13
320	571390.6	4178279	0.55, 41782	1.80332	1.30805	1.94946	139.62437	66.18564	204.22507	24.75802	16.07748	34.84377	3.83E-07	4.01E-05	6.85E-06	1.18E-10	3.57E-10	2.82E-10	2.05E-13	4.94E-12	2.72762E-13	5.41862E-12	3.831E-07	4.0131E-05	6.84761E-06	1.20917E-10	8.27069E-13	6.03533E-11	1.37606E-13
321	571430.6	4178279	0.55, 41782	1.38872	1.04688	1.49158	120.07885	59.47148	164.54693	19.78612	13.66223	27.17412	2.93E-07	3.23E-05	5.34E-06	9.05E-11	2.73E-10	2.16E-10	1.57E-13	3.78E-12	2.08699E-13	4.14595E-12	2.931E-07	3.2335E-05	5.34037E-06	9.2517E-11	6.32816E-13	4.61782E-11	1.05286E-13
322	571470.6	4178279	0.55, 41782	1.11171	0.86066	1.18684	104.95004	53.66694	136.91558	16.34545	11.81303	21.87493	2.33E-07	2.69E-05	4.3E-06	7.2E-11	2.17E-10	1.72E-10	1.25E-13	3.01E-12	1.66061E-13	3.29892E-12	2.332E-07	2.6905E-05	4.29897E-06	7.36156E-11	5.0353E-13	3.67439E-11	8.3776E-14
323	571510.6	4178279	0.55, 41782	0.90331	0.71725	0.95952	92.95227	48.50847	116.77816	13.70064	10.27697	17.93941	1.89E-07	2.29E-05	3.53E-06	5.82E-11	1.76E-10	1.39E-10	1.01E-13	2.43E-12	1.34256E-13	2.66708E-12	1.886E-07	2.2948E-05	3.52556E-06	5.9516E-11	4.0709E-13	2.97064E-11	6.77305E-14
324	571550.6	4178279	0.55, 41782	0.74685	0.60641	0.79002	83.35854	43.88956	102.16829	11.6678	9.00306	14.97338	1.55E-07	2.01E-05	2.94E-06	4.79E-11	1.45E-10	1.14E-10	8.29E-14	2E-12	1.1054E-13	2.19595E-12	1.553E-07	2.0077E-05	2.94267E-06	4.90027E-11	3.35179E-13	2.44588E-11	5.57661E-14
325	571590.6	4178279	0.55, 41782	0.63093	0.52161	0.66513	75.57295	41.1264	91.05382	10.11638	7.96472	12.7323	1.31E-07	1.79E-05	2.5E-06	4.03E-11	1.22E-10	9.62E-11	6.98E-14	1.69E-12	9.30656E-14	1.84881E-12	1.307E-07	1.7893E-05	2.50225E-06	4.12563E-11	2.82193E-13	2.05923E-11	4.69506E-14
326	570310.6	4178319	0.55, 41783	0.1112	0.07908	0.10686	65.67409	25.12162	71.57917	10.72274	3.92383	11.92986	2.1E-08	1.41E-05	2.34E-06	6.48E-12	1.96E-11	1.55E-11	1.12E-14	2.71E-13	1.49518E-14	2.97028E-13	2.1E-08	1.4066E-05	2.34461E-06	6.6282E-12	4.53369E-14	3.30835E-12	7.54303E-15
327	570350.6	4178319	0.55, 41783	0.12381	0.08915	0.11863	72.99363	26.3644	78.028	10.96785	4.13077	12.26515	2.33E-08	1.53E-05	2.41E-06	7.19E-12	2.17E-11	1.72E-11	1.24E-14	3.01E-13	1.65987E-14	3.29745E-13	2.331E-08	1.5333E-05	2.41051E-06	7.35828E-12	5.03306E-14	3.67275E-12	8.37387E-15
328	570390.6	4178319	0.55, 41783	0.13907	0.1015	0.13256	85.61577	27.73961	87.79758	11.84211	4.3586	12.34233	2.61E-08	1.73E-05	2.43E-06	8.04E-12	2.43E-11	1.92E-11	1.39E-14	3.36E-13	1.85479E-14	3.68467E-13	2.605E-08	1.7253E-05	2.42572E-06	8.22234E-12	5.62408E-14	4.10403E-12	9.3572E-15
329	570430.6	4178319	0.55, 41783	0.15783	0.11689	0.14946	97.99246	29.27563	105.83642	13.47747	4.61214	14.5399	2.94E-08	2.08E-05	2.86E-06	9.06E-12	2.74E-11	2.16E-11	1.57E-14	3.79E-13	2.09126E-14	4.15444E-13	2.937E-08	2.0797E-05	2.8576E-06	9.27065E-12	6.34112E-14	4.62728E-12	1.05502E-14
330	570470.6	4178319	0.55, 41783	0.18134	0.13633	0.17027	108.90086	31.01454	122.78	14.92794	4.89871	16.74752	3.35E-08	2.41E-05	3.29E-06	1.03E-11	3.12E-11	2.46E-11	1.79E-14	4.32E-13	2.38245E-14	4.7329E-13	3.346E-08	2.4126E-05	3.29144E-06	1.05615E-11	7.22406E-14	5.27158E-12	1.20192E-14
331	570510.6	4178319	0.55, 41783	0.21129	0.16124	0.19656	118.40452	33.29424	135.32696	15.9306	5.40834	18.39398	3.86E-08	2.66E-05	3.61E-06	1.19E-11	3.6E-11	2.84E-11	2.06E-14	4.98E-13	2.75032E-14	5.4637E-13	3.863E-08	2.6592E-05	3.615E-06	1.21923E-11	8.33951E-14	6.08555E-12	1.38751E-14
332	570550.6	4178319	0.55, 41783	0.2503	0.19368	0.23096	153.9338	39.94632	153.89508	19.24172	6.62991	19.23689	4.54E-08	3.02E-05	3.78E-06	1.4E-11	4.23E-11	3.34E-11	2.42E-14	5.85E-13	3.23167E-14	6.41994E-13	4.539E-08	3.0241E-05	3.78079E-06	1.43261E-11	9.79906E-14	7.15062E-12	1.63034E-14
333	570590.6	4178319	0.55, 41783	0.30196	0.23671	0.27701	186.54438	46.61587	209.37606	23.31805	7.76931	26.17201	5.44E-08	4.11E-05	5.14E-06	1.68E-11	5.07E-11	4.01E-11	2.91E-14	7.02E-13	3.87603E-14	7.70001E-13	5.444E-08	4.1142E-05	5.14366E-06	1.71826E-11	1.17529E-13	8.57638E-12	1.95541E-14
334	570630.6	4178319	0.55, 41783	0.37105	0.29503	0.3391	205.0145	52.79857	247.59232	25.62681	8.79976	30.94904	6.66E-08	4.87E-05	6.08E-06	2.06E-11	6.21E-11	4.9E-11	3.56E-14	8.6E-13	4.74484E-14	9.42595E-13	6.664E-08	4.8652E-05	6.0824E-06	2.1034E-11	1.43873E-13	1.04988E-11	2.39372E-14
335	570670.6	4178319	0.55, 41783	0.462	0.37572	0.42024	218.45656	59.57781	273.51496	27.30707	11.98561	34.18937	8.26E-08	5.37E-05	6.72E-06	2.55E-11	7.7E-11	6.08E-11	4.41E-14	1.07E-12	5.88022E-14	1.16815E-12	8.259E-08	5.3746E-05	6.71916E-06	2.60672E-11	1.783E-13	1.3011E-11	2.96651E-14
336	570710.6	4178319	0.55, 41783	0.57218	0.48827	0.5224	242.44958	66.62286	291.17197	30.3062	15.15553	36.3965	1.03E-07	5.72E-05	7.15E-06	3.17E-11	9.57E-11	7.56E-11	5.48E-14	1.32E-12	7.30977E-14	1.45214E-12	1.027E-07	5.7215E-05	7.15299E-06	3.24045E-11	2.21647E-13	1.61741E-11	3.6877E-14
337	570750.6	4178319	0.55, 41783	0.67767	0.63416	0.63666	262.41203	72.71034	341.04886	32.8015	17.84948	42.63111	1.25E-07	6.7E-05	8.38E-06	3.86E-11	1.17E-10	9.21E-11	6.68E-14	1.61E-12	8.9087E-14	1.76978E-12	1.251E-07	6.7016E-05	8.37813E-06	3.94926E-11	2.70129E-13	1.9712E-11	4.49434E-14
338	570790.6	4178319	0.55, 41783	0.76041	0.85502	0.73352	285.66779	86.45349	381.79277	42.9347	23.67926	50.68659	1.44E-07	7.5E-05	9.96E-06	4.45E-11	1.34E-10	1.06E-10	7.7E-14	1.86E-12	1.02645E-13	2.03911E-12	1.442E-07	7.5022E-05	9.96146E-06	4.55028E-11	3.11239E-13	2.27119E-11	5.17831E-14
339	570830.6	4178319	0.55, 41783	0.82107	1.23378	0.77266	302.59427	109.05103	424.78874	45.07728	29.79255	65.49858	1.52E-07	8.35E-05	1.29E-05	4.69E-11	1.42E-10	1.12E-10	8.11E-14	1.96E-12	1.08133E-13	2.14814E-12	1.519E-07	8.3471E-05	1.28719E-05	4.79359E-11	3.27881E-13	2.39263E-11	5.4552E-14
340	570870.6	4178319	0.55, 41783	0.93174	1.8881	0.81484	263.71888	150.69846	583.61	37.23183	42.82711	79.94464	1.6E-07	0.000115	1.57E-05	4.94E-11	1.49E-10	1.18E-10	8.55E-14	2.07E-12	1.14057E-13	2.26582E-12	1.602E-07	0.00011468	1.57099E-05	5.05618E-11	3.45843E-13	2.5237E-11	5.75404E-14
341	570910.6	4178319	0.55, 41783	1.19482	3.5981	0.94641	225.26352	195.84246	582.08496	37.31993	59.22953	72.76062	1.86E-07	0.000114	1.43E-05	5.74E-11	1.73E-10	1.37E-10	9.94E-14	2.4E-12	1.32522E-13	2.63265E-12	1.861E-07	0.00011438	1.42984E-05	5.87476E-11	4.01834E-13	2.93228E-11	6.6856E-14
342	571190.6	4178319	0.55, 41783	29.13102	9.74239	24.19825	1204.46355	192.40018	1781.17361	337.10397	86.14095	400.692	4.76E-06	0.00035	7.87E-05	1.47E-09	4.43E-09	3.5E-09	2.54E-12	6.13E-11	3.38555E-12	6.72562E-11	4.755E-06	0.00034999	7.87481E-05	1.50083E-09	1.02656E-11	7.4911E-10	1.70797E-12
343	571230.6	4178319	0.55, 41783	10.45163	5.25398	11.58574	479.33008	117.37647	725.29291	126.19986	44.06446	185.38424	2.28E-06	0.000143	3.64E-05	7.03E-10	2.12E-09	1.68E-09	1.22E-12	2.94E-11	1.62095E-12	3.22014E-11	2.277E-06	0.00014252	3.6432E-05	7.18574E-10	4.91505E-12	3.58663E-10	8.17753E-13
344	571270.6	4178319	0.55, 41783	5.72808	3.4301	6.64009	292.22118	96.9874	479.91721	63.79547	33.00222	105.59121	1.3E-06	9.43E-05	2.08E-05	4.03E-10	1.22E-09	9.6E-10	6.97E-13	1.68E-11	9.29024E-13	1.84557E-11	1.305E-06	9.4303E-05	2.07505E-05	4.1184E-10	2.81698E-12	2.05562E-10	4.68682E-13
345	571310.6	4178319	0.55, 41783	3.67711	2.43151	4.23514	175.48484	83.52768	339.71763	43.52526	25.92364	69.01312	8.32E-07	6.68E-05	1.36E-05	2.57E-10	7.75E-10	6.13E-10	4.44E-13	1.07E-11	5.92552E-13	1.17715E-11	8.323E-07	6.6754E-05	1.35624E-05	2.62681E-10	1.79674E-12	1.31112E-10	2.98936E-13
346	571350.6	4178319	0.55, 41783	2.57847	1.81872	2.91777	135.74456	73.58424	245.66728	31.86463	21.08438	47.561	5.73E-07	4.83E-05	9.35E-06	1.77E-10	5.34E-10	4.22E-10	3.06E-13	7.4E-12	4.0824E-13	8.10997E-12	5.734E-07	4.8274E-05	9.34673E-06	1.80974E-10	1.23786E-12	9.03301E-11	2.05953E-13
347	571390.6	4178319	0.55, 41783	1.91038	1.41202	2.12389	114.67965	65.84745	189.40245	24.95277	17.54375	35.6451	4.17E-07	3.72E-05	7.01E-06	1.29E-10	3.89E-10	3.07E-10	2.23E-13	5.38E-12	2.97167E-13	5.90344E-12	4.174E-07	3.7219E-05	7.00506E-06	1.31735E-10	9.0107E-13	6.57534E-11	1.49918E-13
348	571430.6	4178319	0.55, 41783	1.47151	1.12853	1.61377	100.57811	59.61061	161.57422	20.18585	14.84739	27.57311	3.17E-07	3.18E-05	5.42E-06	9.79E-11	2.95E-10	2.33E-10	1.69E-13	4.09E-12	2.25795E-13	4.48558E-12	3.171E-07	3.175E-05	5.41878E-06	1.00096E-10	6.84656E-13	4.9961E-11	1.13911E-13
349	571470.6	4178319	0.55, 41783	1.16585	0.92218	1.2649	90.09229	54.43044	139.38169	16.69193	12.71837	21.87498	2.49E-07	2.74E-05	4.3E-06	7.67E-11	2.32E-10	1.83E-10	1.33E-13	3.21E-12	1.76983E-13	3.5159E-12	2.486E-07	2.739E-05	4.299E-06	7.84574E-11	5.36649E-13	3.91606E-11	8.92862E-14
350	571510.6	4178319	0.55, 41783	0.94595	0.76805	1.01773	81.52103	50.05282	121.69	14.06823	11.00608	17.76049	2E-07	2.39E-05	3.49E-06	6.17E-11	1.86E-10	1.47E-10	1.07E-13	2.58E-12	1.42401E-13	2.82889E-12	2E-07	2.3913E-05	3.49042E-06	6.31267E-11	4.31787E-13	3.15086E-11	7.18395E-14
351	571550.6	4178319	0.55, 41783	0.78212	0.64956	0.83556	74.38547	46.28731	107.35752	12.02264	9.59923	14.66288	1.64E-07	2.11E-05	2.88E-06	5.07E-11	1.53E-10	1.21E-10	8.77E-14	2.12E-12	1.16912E-13	2.32254E-12	1.642E-07	2.1097E-05	2.88168E-06	5.18276E-11	3.545E-13	2.58688E-11	5.89808E-14
352	571590.6	4178319	0.55, 41783	0.65442	0.55508	0.69496	68.29245	42.98116	95.34122	10.3334	8.40789	12.26582	1.37E-07	1.87E-05	2.41E-06	4.21E-11	1.27E-10	1.01E-10	7.29E-14	1.76E-12	9.72397E-14	1.93174E-12	1.366E-07	1.8736E-05	2.4106E-06	4.31067E-11	2.9485E-13	2.1516E-11	4.90564E-14
353	570310.6	4178359	0.55, 41783	0.11229	0.07993	0.10794	69.29068	26.58817	75.81746	11.54845	4.0095	12.46153	2.12E-08	1.49E-05	2.45E-06	6.55E-12	1.98E-11	1.56E-11	1.13E-14	2.74E-13	1.51029E-14	3.0003E-13	2.121E-08	1.4899E-05	2.44912E-06	6.69519E-12	4.57951E-14	3.34178E-12	7.61926E-15
354	570350.6	4178359	0.55, 41783	0.12531	0.09043	0.1201	75.30937	28.06345	82.61098	12.55156	4.25756	13.7685	2.36E-08	1.62E-05	2.71E-06	7.28E-12	2.2E-11	1.74E-11	1.26E-14	3.04E-13	1.68044E-14	3.33831E-13	2.36E-08	1.6234E-05	2.70598E-06	7.44946E-12	5.09543E-14	3.71826E-12	8.47764E-15
355	570390.6	4178359	0.55, 41783	0.14084	0.10296	0.13441	81.29058	29.71471	90.82388	13.54843	4.53386	15.13731	2.64E-08	1.78E-05	2.97E-06	8.15E-12	2.46E-11	1.94E-11	1.41E-14	3.41E-13	1.88067E-14	3.73609E-13	2.642E-08	1.7847E-05	2.97498E-06	8.3371E-12	5.70257E-14	4.16131E-12	9.48779E-15
356	570430.6	4178359	0.55, 41783	0.15989	0.11858	0.15186	87.11605	31.54887	98.44842	14.51934	4.83992	16.40807	2.98E-08	1.93E-05	3.22E-06	9.21E-12	2.78E-11	2.2E-11	1.59E-14	3.85E-13	2.12484E-14	4.22115E-13	2.984E-08	1.9346E-05	3.22472E-06	9.41951E-12	6.44294E-14	4.70158E-12	1.07196E-14
357	570470.6	4178359	0.55, 41783	0.18374	0.13844	0.17326	97.3598	33.59814	106.34308	15.36354	5.1813	17.51553	3.41E-08	2.09E-05	3.44E-06	1.05E-11	3.17E-11	2.51E-11	1.82E-14	4.39E-13	2.42429E-14	4.81601E-13	3.405E-08	2.0897E-05	3.44236E-06	1.07469E-11	7.35091E-14	5.36415E-12	1.22303E-14
358	570510.6	4178359	0.55, 41783	0.21432	0.16421	0.20002	118.04415	35.93263	125.3205	16.48105	5.5698	18.1537	3.93E-08	2.46E-05	3.57E-06	1.21E-11	3.66E-11	2.89E-11	2.1E-14	5.07E-13	2.79873E-14	5.55988E-13	3.931E-08	2.4626E-05	3.56781E-06	1.24069E-11	8.48631E-14	6.19267E-12	1.41193E-14
359	570550.6	4178359	0.55, 41783	0.25472	0.19842	0.23435	139.50155	38.63371	157.96544	19.4148	6.01971	21.81117	4.61E-08	3.1E-05	4.29E-06	1.42E-11	4.29E-11	3.39E-11	2.46E-14	5.94E-13	3.27911E-14	6.51418E-13	4.606E-08	3.104E-05	4.28661E-06	1.45364E-11	9.94291E-14	7.25559E-12	1.65427E-14
360	570590.6	4178359	0.55, 41783	0.30979	0.24497	0.28017	159.83108	41.83842	190.36526	22.23989	6.84975	26.13545	5.51E-08	3.74E-05	5.14E-06	1.7E-11	5.13E-11	4.05E-11	2.94E-14	7.1E-13	3.92027E-14	7.78789E-13	5.506E-08	3.7407E-05	5.13642E-06	1.73787E-11	1.1887E-13	8.67426E-12	1.97773E-14
361	570630.6	4178359	0.55, 41783	0.38734	0.31015	0.34391	206.43147	51.05257	211.21178	25.80393	8.50876	28.98998	6.76E-08	4.15E-05	5.7E-06	2.09E-11	6.3E-11	4.97E-11	3.61E-14	8.72E-13	4.81218E-14	9.55974E-13	6.759E-08	4.1503E-05	5.69748E-06	2.13326E-11	1.45915E-13	1.06478E-11	2.42769E-14
362	570670.6	4178359	0.55, 41783	0.50063	0.40488	0.43681	262.98595	60.70684	312.78941	32.87324	10.74505	39.09868	8.58E-08	6.15E-05	7.68E-06	2.65E-11	8E-11	6.32E-11	4.58E-14	1.11E-12	6.11213E-14	1.21422E-12	8.585E-08	6.1463E-05	7.68407E-06	2.70953E-11	1.85332E-13	1.35241E-11	3.0835E-14
363	570710.6	4178359	0.55, 41783	0.66972	0.54814	0.57453	304.17814	72.14807	380.66102	38.02227	15.71205	47.58263	1.13E-07	7.48E-05	9.35E-06	3.48E-11	1.05E-10	8.31E-11	6.03E-14	1.46E-12	8.03926E-14	1.59706E-12	1.129E-07	7.4799E-05	9.35131E-06	3.56383E-11	2.43766E-13	1.77882E-11	4.05572E-14
364	570750.6	4178359	0.55, 41783	0.90523	0.76876	0.77041	339.35657	85.82023	445.46467	44.72327	21.31802	55.68308	1.51E-07	8.75E-05	1.09E-05	4.67E-11	1.41E-10	1.11E-10	8.08E-14	1.95E-12	1.07803E-13	2.14158E-12	1.514E-07	8.7533E-05	1.09433E-05	4.77894E-11	3.26879E-13	2.38532E-11	5.43853E-14
365	570790.6	4178359	0.55, 41783	1.13154	1.06104	0.98839	377.53193	96.31599	507.3356	54.94081	27.90141	63.41695	1.94E-07	9.97E-05	1.25E-05	5.99E-11	1.81E-10	1.43E-10	1.04E-13	2.51E-12	1.38307E-13	2.74757E-12	1.943E-07	9.969E-05	1.24634E-05	6.1312E-11	4.19374E-13	3.06028E-11	6.97744E-14
366	570830.6	4178359	0.55, 41783	1.33226	1.74963	1.18947	411.58415	139.14147	649.42864	69.46909	37.35577	97.59965	2.34E-07	0.000128	1.92E-05	7.21E-11	2.18E-10	1.72E-10	1.25E-13	3.02E-12	1.66461E-13	3.30686E-12	2.338E-07	0.00012761	1.91806E-05	7.37926E-11	5.04742E-13	3.68323E-11	8.39776E-14
367	570870.6	4178359	0.55, 41783	1.45984	3.38436	1.19217	346.78431	184.49712	847.26971	52.43952	61.49528	124.03925	2.34E-07	0.000166	2.44E-05	7.23E-11	2.18E-10	1.73E-10	1.25E-13	3.02E-12	1.66895E-13	3.31549E-12	2.344E-07	0.00016649	2.43747E-05	7.39853E-11	5.06059E-13	3.69284E-11	8.41968E-14
368	571150.6	4178359	0.55, 41783	17.36196	17.82412	10.70274	1537.79423	258.8776	2153.28101	350.34789	128.93656	372.67701	2.1E-06	0.000423	7.32E-05	6.49E-10	1.96E-09	1.55E-09	1.12E-12	2.71E-11	1.49789E-12	2.97566E-11	2.104E-06	0.00042311	7.32442E-05	6.6402E-10	4.5419E-12	3.31434E-10	7.55669E-13
369	571190.6	4178359	0.55, 41783	10.35157	8.16971	8.42586	590.93034	162.31709	1380.32388	161.82999	76.08872	218.22557	1.66E-06	0.000271	4.29E-05	5.11E-10	1.54E-09	1.22E-09	8.84E-13	2.14E-11	1.17902E-12	2.3422E-11	1.656E-06	0.00027122	4.28867E-05	5.22663E-10	3.57501E-12	2.60878E-10	5.94801E-13
370	571230.6	4178359	0.55, 41783	6.41954	4.85697	6.11014	429.96716	118.18476	649.38165	103.83364	47.29307	136.54892	1.2E-06	0.000128	2.68E-05	3.71E-10	1.12E-09	8.84E-10	6.41E-13	1.55E-11	8.54941E-13	1.6984E-11	1.201E-06	0.0001276	2.68354E-05	3.78999E-10	2.59235E-12	1.8917E-10	4.31308E-13
371	571270.6	4178359	0.55, 41783	4.24607	3.28764	4.46672	330.34534	97.41521	669.03521	71.25122	30.79427	101.30501	8.78E-07	0.000131	1.99E-05	2.71E-10	8.18E-10	6.46E-10	4.69E-13	1.13E-11	6.2498E-13	1.24157E-11	8.778E-07	0.00013146	1.99087E-05	2.77056E-10	1.89506E-12	1.38287E-10	3.15295E-13
372	571310.6	4178359	0.55, 41783	3.01802	2.39332	3.29044	280.32399	84.30249	476.5001	47.38187	23.6076	69.83839	6.47E-07	9.36E-05	1.37E-05	2E-10	6.03E-10	4.76E-10	3.45E-13	8.34E-12	4.60394E-13	9.14606E-12	6.467E-07	9.3631E-05	1.37247E-05	2.04095E-10	1.39601E-12	1.0187E-10	2.32264E-13
373	571350.6	4178359	0.55, 41783	2.25439	1.82521	2.47896	223.1696	75.03337	276.07803	32.74083	19.24184	47.29925	4.87E-07	5.42E-05	9.3E-06	1.5E-10	4.54E-10	3.59E-10	2.6E-13	6.28E-12	3.46854E-13	6.89049E-12	4.872E-07	5.425E-05	9.29535E-06	1.53762E-10	1.05173E-12	7.67473E-11	1.74984E-13
374	571390.6	4178359	0.55, 41783	1.7395	1.43625	1.90839	164.0034	68.00709	177.73654	25.39154	16.17569	38.72375	3.75E-07	3.49E-05	7.61E-06	1.16E-10	3.49E-10	2.76E-10	2E-13	4.84E-12	2.67021E-13	5.30456E-12	3.75E-07	3.4927E-05	7.61E-06	1.18372E-10	8.09661E-13	5.9083E-11	1.34709E-13
375	571430.6	4178359	0.55, 41783	1.37666	1.15767	1.50113	113.66708	62.41604	162.05892	21.33563	13.79366	30.03325	2.95E-07	3.18E-05	5.9E-06	9.1E-11	2.75E-10	2.17E-10	1.58E-13	3.81E-12	2.10039E-13	4.17256E-12	2.95E-07	3.1846E-05	5.90223E-06	9.31109E-11	6.36878E-13	4.64746E-11	1.05962E-13
376	571470.6	4178359	0.55, 41783	1.11313	0.95193	1.20554	91.64258	57.80687	139.39839	17.74486	11.89568	22.85385	2.37E-07	2.74E-05	4.49E-06	7.31E-11	2.21E-10	1.74E-10	1.27E-13	3.06E-12	1.6868E-13	3.35095E-12	2.369E-07	2.7393E-05	4.49139E-06	7.47766E-11	5.11472E-13	3.73234E-11	8.50974E-14
377	571510.6	4178359	0.55, 41783	0.9166	0.79605	0.98663	82.11168	53.90312	116.32041	14.64829	10.35284	20.08654	1.94E-07	2.29E-05	3.95E-06	5.98E-11	1.81E-10	1.43E-10	1.04E-13	2.5E-12	1.38051E-13	2.74248E-12	1.939E-07	2.2858E-05	3.94749E-06	6.11985E-11	4.18597E-13	3.05461E-11	6.96451E-14
378	571550.6	4178359	0.55, 41783	0.76622	0.67498	0.82026	72.9064	50.52239	102.58687	12.13868	9.07968	17.28494	1.61E-07	2.02E-05	3.4E-06	4.97E-11	1.5E-10	1.19E-10	8.61E-14	2.08E-12	1.14773E-13	2.28004E-12	1.612E-07	2.016E-05	3.39688E-06	5.08791E-11	3.48013E-13	2.53954E-11	5.79015E-14
379	571590.6	4178359	0.55, 41783	0.64386	0.57575	0.68602	65.94968	47.48497	92.44167	10.99161	8.00686	15.40694	1.35E-07	1.82E-05	3.03E-06	4.16E-11	1.26E-10	9.92E-11	7.2E-14	1.74E-12	9.59898E-14	1.9069E-12	1.348E-07	1.8166E-05	3.02782E-06	4.25526E-11	2.9106E-13	2.12394E-11	4.84258E-14
380	570310.6	4178399	0.55, 41783	0.11287	0.08031	0.1093	71.34246	27.87564	79.43468	11.89041	3.82503	13.23911	2.15E-08	1.56E-05	2.6E-06	6.63E-12	2E-11	1.58E-11	1.15E-14	2.77E-13	1.52932E-14	3.0381E-13	2.148E-08	1.5609E-05	2.60192E-06	6.77953E-12	4.6372E-14	3.38388E-12	7.71525E-15
381	570350.6	4178399	0.55, 41783	0.12665	0.09175	0.12214	75.96419	29.57043	83.22909	12.46202	4.12173	13.80548	2.4E-08	1.64E-05	2.71E-06	7.41E-12	2.24E-11	1.77E-11	1.28E-14	3.1E-13	1.70898E-14	3.39502E-13	2.4E-08	1.6355E-05	2.71324E-06	7.57599E-12	5.18198E-14	3.78142E-12	8.62163E-15
382	570390.6	4178399	0.55, 41783	0.1425	0.10434	0.13672	83.29233	31.439	92.96873	13.04897	4.44958	14.404	2.69E-08	1.83E-05	2.83E-06	8.29E-12	2.5E-11	1.98E-11	1.43E-14	3.47E-13	1.91299E-14	3.8003E-13	2.687E-08	1.8269E-05	2.83087E-06	8.48037E-12	5.80057E-14	4.23282E-12	9.65084E-15
383	570430.6	4178399	0.55, 41783	0.16211	0.12032	0.15453	91.32735	33.521	103.76057	14.59534	4.81492	15.65812	3.04E-08	2.04E-05	3.08E-06	9.37E-12	2.83E-11	2.24E-11	1.62E-14	3.92E-13	2.1622E-14	4.29536E-13	3.037E-08	2.0389E-05	3.07737E-06	9.58512E-12	6.55622E-14	4.78424E-12	1.09081E-14
384	570470.6	4178399	0.55, 41783	0.18668	0.14051	0.17655	100.43451	35.89015	115.76296	16.57018	5.22899	18.35818	3.47E-08	2.27E-05	3.61E-06	1.07E-11	3.23E-11	2.55E-11	1.85E-14	4.48E-13	2.47032E-14	4.90746E-13	3.47E-08	2.2748E-05	3.608E-06	1.0951E-11	7.49049E-14	5.466E-12	1.24625E-14
385	570510.6	4178399	0.55, 41783	0.21834	0.16684	0.20421	112.76596	38.62084	128.93318	18.79433	5.70408	21.48886	4.01E-08	2.53E-05	4.22E-06	1.24E-11	3.74E-11	2.95E-11	2.14E-14	5.18E-13	2.85736E-14	5.67634E-13	4.013E-08	2.5336E-05	4.22325E-06	1.26668E-11	8.66407E-14	6.32239E-12	1.4415E-14
386	570550.6	4178399	0.55, 41783	0.26039	0.20212	0.2399	127.75395	41.82578	149.79254	21.29232	6.25899	24.96542	4.71E-08	2.94E-05	4.91E-06	1.45E-11	4.39E-11	3.47E-11	2.52E-14	6.08E-13	3.35676E-14	6.66845E-13	4.715E-08	2.9435E-05	4.90647E-06	1.48807E-11	1.01784E-13	7.42741E-12	1.69345E-14
387	570590.6	4178399	0.55, 41783	0.3185	0.25095	0.28739	144.10526	45.67081	172.10131	24.01754	7.17597	28.68355	5.65E-08	3.38E-05	5.64E-06	1.74E-11	5.26E-11	4.16E-11	3.02E-14	7.28E-13	4.02129E-14	7.98858E-13	5.648E-08	3.3818E-05	5.63718E-06	1.78265E-11	1.21934E-13	8.8978E-12	2.0287E-14
388	570630.6	4178399	0.55, 41783	0.40291	0.32135	0.35272	177.65061	50.39519	203.06539	27.05917	8.74903	32.05961	6.93E-08	3.99E-05	6.3E-06	2.14E-11	6.46E-11	5.1E-11	3.7E-14	8.94E-13	4.93547E-14	9.80466E-13	6.932E-08	3.9903E-05	6.30068E-06	2.18791E-11	1.49653E-13	1.09206E-11	2.48989E-14
389	570670.6	4178399	0.55, 41783	0.53348	0.4284	0.44753	224.79663	56.41372	278.51402	32.60934	10.76331	39.25369	8.8E-08	5.47E-05	7.71E-06	2.71E-11	8.2E-11	6.47E-11	4.7E-14	1.13E-12	6.26219E-14	1.24403E-12	8.796E-08	5.4728E-05	7.71451E-06	2.77605E-11	1.89882E-13	1.38562E-11	3.1592E-14
390	570710.6	4178399	0.55, 41783	0.75271	0.60288	0.59636	297.96202	70.92072	361.49768	41.13122	14.0152	50.83456	1.17E-07	7.1E-05	9.99E-06	3.62E-11	1.09E-10	8.63E-11	6.26E-14	1.51E-12	8.34486E-14	1.65777E-12	1.172E-07	7.1034E-05	9.99043E-06	3.69931E-11	2.53033E-13	1.84644E-11	4.20989E-14
391	570750.6	4178399	0.55, 41783	1.15447	0.90762	0.85203	416.42427	90.04322	551.74774	52.05303	22.1169	68.96847	1.67E-07	0.000108	1.36E-05	5.17E-11	1.56E-10	1.23E-10	8.94E-14	2.16E-12	1.19226E-13	2.36852E-12	1.675E-07	0.00010842	1.35541E-05	5.28535E-11	3.61518E-13	2.63809E-11	6.01484E-14
392	570790.6	4178399	0.55, 41783	1.70092	1.35462	1.23288	632.44551	121.09647	736.15706	79.05569	31.00919	92.01963	2.42E-07	0.000145	1.81E-05	7.48E-11	2.26E-10	1.78E-10	1.29E-13	3.13E-12	1.72521E-13	3.42725E-12	2.423E-07	0.00014465	1.80847E-05	7.64793E-11	5.23118E-13	3.81732E-11	8.7035E-14
393	570830.6	4178399	0.55, 41783	3.46088	2.976	2.05541	854.46592	185.76652	929.26678	157.19416	64.23703	133.05669	4.04E-07	0.000183	2.62E-05	1.25E-10	3.76E-10	2.97E-10	2.16E-13	5.21E-12	2.87648E-13	5.71432E-12	4.04E-07	0.0001826	2.61521E-05	1.27515E-10	8.72205E-13	6.3647E-11	1.45115E-13
394	571110.6	4178399	0.55, 41783	4.7766	17.70794	5.53677	386.44752	237.89657	1139.86397	91.74551	117.26543	182.49582	1.09E-06	0.000224	3.59E-05	3.36E-10	1.01E-09	8.01E-10	5.81E-13	1.4E-11	7.75169E-13	1.53993E-11	1.089E-06	0.00022398	3.58626E-05	3.43635E-10	2.35047E-12	1.71519E-10	3.91064E-13
395	571150.6	4178399	0.55, 41783	4.75682	9.04164	4.75414	493.27775	194.83019	977.82769	91.47407	80.27894	179.74579	9.35E-07	0.000192	3.53E-05	2.88E-10	8.71E-10	6.88E-10	4.99E-13	1.21E-11	6.65388E-13	1.32184E-11	9.346E-07	0.00019214	3.53222E-05	2.94969E-10	2.01759E-12	1.47228E-10	3.35681E-13
396	571190.6	4178399	0.55, 41783	4.13591	5.67532	3.9763	541.83424	159.29594	784.3481	82.25115	55.55038	130.43816	7.82E-07	0.000154	2.56E-05	2.41E-10	7.28E-10	5.75E-10	4.17E-13	1.01E-11	5.56457E-13	1.10544E-11	7.816E-07	0.00015412	2.56335E-05	2.4668E-10	1.68729E-12	1.23126E-10	2.80726E-13
397	571230.6	4178399	0.55, 41783	3.34043	3.91116	3.41587	419.25179	113.41297	723.05548	67.92735	42.50701	103.29364	6.71E-07	0.000142	2.03E-05	2.07E-10	6.26E-10	4.94E-10	3.58E-13	8.66E-12	4.77994E-13	9.4957E-12	6.714E-07	0.00014208	2.02993E-05	2.11897E-10	1.44937E-12	1.05764E-10	2.41143E-13
398	571270.6	4178399	0.55, 41783	2.69096	2.84934	2.72459	276.99568	96.24025	620.23738	46.4546	32.10306	94.16047	5.35E-07	0.000122	1.85E-05	1.65E-10	4.99E-10	3.94E-10	2.86E-13	6.91E-12	3.81252E-13	7.57384E-12	5.355E-07	0.00012187	1.85036E-05	1.6901E-10	1.15603E-12	8.43585E-11	1.92337E-13
399	571310.6	4178399	0.55, 41783	2.15304	2.16763	2.23142	240.01182	84.08056	257.12386	39.08125	24.00367	52.53394	4.39E-07	5.05E-05	1.03E-05	1.35E-10	4.09E-10	3.23E-10	2.34E-13	5.66E-12	3.12237E-13	6.2028E-12	4.386E-07	5.0526E-05	1.03242E-05	1.38416E-10	9.46764E-13	6.90877E-11	1.5752E-13
400	571350.6	4178399	0.55, 41783	1.74135	1.70512	1.85867	224.12525	73.73672	326.22415	31.06226	18.34101	44.13622	3.65E-07	6.41E-05	8.67E-06	1.13E-10	3.4E-10	2.69E-10	1.95E-13	4.71E-12	2.60075E-13	5.16658E-12	3.653E-07	6.4103E-05	8.67377E-06	1.15292E-10	7.88599E-13	5.75461E-11	1.31205E-13
401	571390.6	4178399	0.55, 41783	1.43215	1.37481	1.54866	207.21833	64.01827	312.56807	26.21992	15.02288	39.07101	3.04E-07	6.14E-05	7.68E-06	9.39E-11	2.84E-10	2.24E-10	1.63E-13	3.93E-12	2.16695E-13	4.3048E-12	3.044E-07	6.1419E-05	7.67827E-06	9.60618E-11	6.57063E-13	4.79475E-11	1.0932E-13
402	571430.6	4178399	0.55, 41783	1.19016	1.12906	1.29293	179.9524	59.14274	244.73255	22.49405	12.88734	30.59157	2.54E-07	4.81E-05	6.01E-06	7.84E-11	2.37E-10	1.87E-10	1.36E-13	3.28E-12	1.80912E-13	3.59394E-12	2.541E-07	4.809E-05	6.01199E-06	8.01989E-11	5.4856E-13	4.00298E-11	9.1268E-14
403	571470.6	4178399	0.55, 41783	0.9966	0.93995	1.08271	146.8642	55.47011	170.50633	18.35802	11.23121	21.31329	2.13E-07	3.35E-05	4.19E-06	6.57E-11	1.98E-10	1.57E-10	1.14E-13	2.74E-12	1.51497E-13	3.00959E-12	2.128E-07	3.3505E-05	4.18873E-06	6.71591E-11	4.59368E-13	3.35212E-11	7.64284E-14
404	571510.6	4178399	0.55, 41783	0.8441	0.79417	0.91453	113.63796	52.27286	111.21242	14.20474	9.85599	18.36688	1.8E-07	2.19E-05	3.61E-06	5.55E-11	1.67E-10	1.32E-10	9.6E-14	2.32E-12	1.27964E-13	2.5421E-12	1.797E-07	2.1859E-05	3.60958E-06	5.67271E-11	3.88013E-13	2.83143E-11	6.45566E-14
405	571550.6	4178399	0.55, 41783	0.71988	0.67749	0.77601	84.04695	49.45688	81.90115	12.59546	8.65245	16.41022	1.53E-07	1.61E-05	3.23E-06	4.71E-11	1.42E-10	1.12E-10	8.14E-14	1.97E-12	1.08582E-13	2.15706E-12	1.525E-07	1.6095E-05	3.22504E-06	4.8135E-11	3.29243E-13	2.40257E-11	5.47786E-14
406	571590.6	4178399	0.55, 41783	0.61846	0.58359	0.66441	61.25343	46.95039	82.40366	11.31778	7.65227	14.12983	1.31E-07	1.62E-05	2.78E-06	4.03E-11	1.22E-10	9.61E-11	6.97E-14	1.68E-12	9.29669E-14	1.84685E-12	1.306E-07	1.6194E-05	2.77691E-06	4.12126E-11	2.81894E-13	2.05705E-11	4.69008E-14
407	570310.6	4178439	0.55, 41784	0.11265	0.08111	0.10949	78.47962	27.91467	88.7071	13.07994	3.48933	14.78452	2.15E-08	1.74E-05	2.91E-06	6.64E-12	2E-11	1.58E-11	1.15E-14	2.78E-13	1.53198E-14	3.04339E-13	2.152E-08	1.7431E-05	2.90564E-06	6.79133E-12	4.64527E-14	3.38977E-12	7.72867E-15
408	570350.6	4178439	0.55, 41784	0.12585	0.09139	0.12175	84.54471	29.62734	96.42477	14.09078	3.70342	16.0708	2.39E-08	1.89E-05	3.16E-06	7.38E-12	2.23E-11	1.76E-11	1.28E-14	3.09E-13	1.70353E-14	3.38418E-13	2.393E-08	1.8948E-05	3.15843E-06	7.5518E-12	5.16543E-14	3.76934E-12	8.5941E-15
409	570390.6	4178439	0.55, 41784	0.14252	0.10489	0.13706	91.50908	31.67143	105.54781	15.25151	4.06451	17.5913	2.69E-08	2.07E-05	3.46E-06	8.31E-12	2.51E-11	1.98E-11	1.44E-14	3.47E-13	1.91775E-14	3.80975E-13	2.694E-08	2.0741E-05	3.45724E-06	8.50146E-12	5.815E-14	4.24335E-12	9.67484E-15
410	570430.6	4178439	0.55, 41784	0.16313	0.12204	0.15568	99.54775	33.93845	116.15512	16.59129	4.47421	19.35919	3.06E-08	2.28E-05	3.8E-06	9.44E-12	2.85E-11	2.25E-11	1.63E-14	3.95E-13	2.17829E-14	4.32733E-13	3.06E-08	2.2825E-05	3.80468E-06	9.65646E-12	6.60502E-14	4.81985E-12	1.09893E-14
411	570470.6	4178439	0.55, 41784	0.18858	0.14267	0.1783	108.92524	36.54882	128.38607	18.15421	4.93599	21.39768	3.5E-08	2.52E-05	4.21E-06	1.08E-11	3.26E-11	2.58E-11	1.87E-14	4.52E-13	2.49481E-14	4.95611E-13	3.504E-08	2.5228E-05	4.2053E-06	1.10596E-11	7.56475E-14	5.52019E-12	1.2586E-14
412	570510.6	4178439	0.55, 41784	0.22167	0.16966	0.20722	120.34611	39.98702	143.34164	20.05769	5.68986	23.89027	4.07E-08	2.82E-05	4.7E-06	1.26E-11	3.79E-11	3E-11	2.17E-14	5.25E-13	2.89947E-14	5.76001E-13	4.073E-08	2.8167E-05	4.69516E-06	1.28535E-11	8.79178E-14	6.41558E-12	1.46275E-14
413	570550.6	4178439	0.55, 41784	0.2658	0.20594	0.24496	134.27176	44.24032	161.13607	22.37863	6.83821	26.85601	4.81E-08	3.17E-05	5.28E-06	1.49E-11	4.49E-11	3.54E-11	2.57E-14	6.21E-13	3.42756E-14	6.80909E-13	4.814E-08	3.1664E-05	5.278E-06	1.51945E-11	1.0393E-13	7.58407E-12	1.72917E-14
414	570590.6	4178439	0.55, 41784	0.3272	0.25654	0.29583	151.91315	49.32778	182.29969	25.31886	8.30482	30.38328	5.81E-08	3.58E-05	5.97E-06	1.79E-11	5.42E-11	4.28E-11	3.1E-14	7.5E-13	4.13938E-14	8.22317E-13	5.814E-08	3.5822E-05	5.97122E-06	1.835E-11	1.25514E-13	9.15909E-12	2.08827E-14
415	570630.6	4178439	0.55, 41784	0.41735	0.33056	0.3671	175.42083	55.6235	213.97884	29.2368	10.21264	34.63299	7.21E-08	4.2E-05	6.81E-06	2.23E-11	6.72E-11	5.31E-11	3.85E-14	9.31E-13	5.13667E-14	1.02044E-12	7.215E-08	4.2047E-05	6.80643E-06	2.27711E-11	1.55754E-13	1.13658E-11	2.59139E-14
416	570670.6	4178439	0.55, 41784	0.56024	0.44648	0.47194	208.37177	63.80907	268.23017	34.72863	12.75328	41.38807	9.28E-08	5.27E-05	8.13E-06	2.86E-11	8.64E-11	6.83E-11	4.95E-14	1.2E-12	6.60373E-14	1.31188E-12	9.275E-08	5.2707E-05	8.134E-06	2.92746E-11	2.00238E-13	1.46119E-11	3.33151E-14
417	570710.6	4178439	0.55, 41784	0.81434	0.64609	0.63688	258.28683	75.2647	339.8113	43.04781	16.40047	56.02404	1.25E-07	6.68E-05	1.1E-05	3.86E-11	1.17E-10	9.21E-11	6.68E-14	1.61E-12	8.91187E-14	1.77041E-12	1.252E-07	6.6773E-05	1.10102E-05	3.95067E-11	2.70225E-13	1.9719E-11	4.49594E-14
418	570750.6	4178439	0.55, 41784	1.35572	1.03003	0.91926	343.9155	93.10334	457.76974	57.16949	22.25077	76.29496	1.81E-07	9E-05	1.5E-05	5.58E-11	1.68E-10	1.33E-10	9.65E-14	2.33E-12	1.28636E-13	2.55545E-12	1.807E-07	8.9951E-05	1.49939E-05	5.70249E-11	3.9005E-13	2.8463E-11	6.48955E-14
419	570790.6	4178439	0.55, 41784	3.18264	2.0617	1.49283	571.47263	129.70009	738.76969	95.66015	38.79176	110.20608	2.93E-07	0.000145	2.17E-05	9.05E-11	2.73E-10	2.16E-10	1.57E-13	3.78E-12	2.08916E-13	4.15026E-12	2.934E-07	0.00014517	2.1659E-05	9.26131E-11	6.33474E-13	4.62262E-11	1.05396E-13
420	571070.6	4178439	0.55, 41784	4.74443	12.25677	5.33303	251.71558	235.3671	557.08631	48.15254	87.29167	78.37734	1.05E-06	0.000109	1.54E-05	3.24E-10	9.77E-10	7.72E-10	5.6E-13	1.35E-11	7.4648E-13	1.48293E-11	1.048E-06	0.00010947	1.54026E-05	3.30917E-10	2.26347E-12	1.65171E-10	3.76591E-13
421	571110.6	4178439	0.55, 41784	3.89854	10.39914	4.234	292.37938	213.76959	730.76501	54.55193	96.69541	95.26587	8.32E-07	0.000144	1.87E-05	2.57E-10	7.76E-10	6.13E-10	4.44E-13	1.07E-11	5.92669E-13	1.17738E-11	8.324E-07	0.0001436	1.87212E-05	2.62732E-10	1.79709E-12	1.31138E-10	2.98995E-13
422	571150.6	4178439	0.55, 41784	3.24566	6.14355	3.38328	299.25996	151.74182	537.6659	53.26943	58.88405	104.89405	6.65E-07	0.000106	2.06E-05	2.05E-10	6.2E-10	4.89E-10	3.55E-13	8.58E-12	4.73512E-13	9.40665E-12	6.651E-07	0.00010565	2.0613E-05	2.0991E-10	1.43578E-12	1.04773E-10	2.38882E-13
423	571190.6	4178439	0.55, 41784	2.68652	4.20662	2.81661	319.22111	114.25705	663.08885	45.60302	42.68486	97.00809	5.54E-07	0.00013	1.91E-05	1.71E-10	5.16E-10	4.07E-10	2.96E-13	7.14E-12	3.94171E-13	7.83049E-12	5.536E-07	0.00013029	1.90631E-05	1.74738E-10	1.19521E-12	8.72172E-11	1.98855E-13
424	571230.6	4178439	0.55, 41784	2.2851	3.10379	2.38014	355.31137	114.374	594.35462	48.25343	33.87475	78.4876	4.68E-07	0.000117	1.54E-05	1.44E-10	4.36E-10	3.44E-10	2.5E-13	6.03E-12	3.33074E-13	6.61675E-12	4.678E-07	0.00011679	1.54242E-05	1.47653E-10	1.00995E-12	7.36983E-11	1.68032E-13
425	571270.6	4178439	0.55, 41784	1.91581	2.39067	2.08735	281.61312	92.35093	457.23387	43.32371	28.45229	65.31912	4.1E-07	8.98E-05	1.28E-05	1.27E-10	3.82E-10	3.02E-10	2.19E-13	5.29E-12	2.9209E-13	5.80257E-12	4.103E-07	8.9846E-05	1.28365E-05	1.29484E-10	8.85673E-13	6.46298E-11	1.47356E-13
426	571310.6	4178439	0.55, 41784	1.62017	1.88774	1.73959	249.98498	75.512	443.82502	38.72011	23.46838	65.04063	3.42E-07	8.72E-05	1.28E-05	1.06E-10	3.19E-10	2.52E-10	1.83E-13	4.41E-12	2.43423E-13	4.83577E-12	3.419E-07	8.721E-05	1.27816E-05	1.0791E-10	7.38106E-13	5.38615E-11	1.22804E-13
427	571350.6	4178439	0.55, 41784	1.36969	1.52492	1.4607	207.90528	71.02603	289.54604	31.99215	18.96422	43.80183	2.87E-07	5.69E-05	8.61E-06	8.86E-11	2.67E-10	2.11E-10	1.53E-13	3.7E-12	2.04395E-13	4.06046E-12	2.871E-07	5.6896E-05	8.60812E-06	9.06093E-11	6.19767E-13	4.5226E-11	1.03115E-13
428	571390.6	4178439	0.55, 41784	1.16602	1.25794	1.25769	137.82846	66.02867	157.99714	21.56098	15.29437	27.7078	2.47E-07	3.1E-05	5.45E-06	7.63E-11	2.3E-10	1.82E-10	1.32E-13	3.19E-12	1.75986E-13	3.49609E-12	2.472E-07	3.1048E-05	5.44532E-06	7.80154E-11	5.33625E-13	3.894E-11	8.87832E-14
429	571430.6	4178439	0.55, 41784	1.00225	1.05165	1.08939	150.81052	60.59063	188.78292	19.07395	12.70811	25.02004	2.14E-07	3.71E-05	4.92E-06	6.61E-11	1.99E-10	1.58E-10	1.14E-13	2.76E-12	1.52435E-13	3.02823E-12	2.141E-07	3.7097E-05	4.91709E-06	6.75751E-11	4.62213E-13	3.37289E-11	7.69018E-14
430	571470.6	4178439	0.55, 41784	0.86528	0.88825	0.94207	153.64691	54.59461	206.40776	19.20586	10.6849	25.80097	1.85E-07	4.06E-05	5.07E-06	5.71E-11	1.73E-10	1.36E-10	9.89E-14	2.39E-12	1.3182E-13	2.6187E-12	1.852E-07	4.0559E-05	5.07053E-06	5.84364E-11	3.99705E-13	2.91675E-11	6.65019E-14
431	571510.6	4178439	0.55, 41784	0.75493	0.76151	0.82291	144.52703	49.13224	189.90829	18.06588	9.74189	23.73854	1.62E-07	3.73E-05	4.67E-06	4.99E-11	1.51E-10	1.19E-10	8.64E-14	2.09E-12	1.15146E-13	2.28746E-12	1.617E-07	3.7317E-05	4.66524E-06	5.10447E-11	3.49146E-13	2.54781E-11	5.809E-14
432	571550.6	4178439	0.55, 41784	0.65913	0.65716	0.71761	127.58758	46.59598	156.05984	15.94845	8.8858	19.50748	1.41E-07	3.07E-05	3.83E-06	4.35E-11	1.31E-10	1.04E-10	7.53E-14	1.82E-12	1.00412E-13	1.99475E-12	1.41E-07	3.0666E-05	3.83378E-06	4.45129E-11	3.04468E-13	2.22178E-11	5.06566E-14
433	571590.6	4178439	0.55, 41784	0.57626	0.57045	0.62441	106.82976	44.35137	118.44703	13.35372	8.08009	14.80588	1.23E-07	2.33E-05	2.91E-06	3.79E-11	1.14E-10	9.03E-11	6.55E-14	1.58E-12	8.73707E-14	1.73568E-12	1.227E-07	2.3276E-05	2.90985E-06	3.87318E-11	2.64925E-13	1.93323E-11	4.40776E-14
434	570310.6	4178479	0.55, 41784	0.1113	0.08183	0.10709	74.58423	29.47815	84.27127	11.80727	4.00274	12.56763	2.1E-08	1.66E-05	2.47E-06	6.49E-12	1.96E-11	1.55E-11	1.12E-14	2.71E-13	1.49841E-14	2.97669E-13	2.105E-08	1.656E-05	2.46998E-06	6.6425E-12	4.54347E-14	3.31549E-12	7.55931E-15
435	570350.6	4178479	0.55, 41784	0.12561	0.09388	0.12027	80.0812	31.76761	91.05741	12.83362	4.33491	13.82729	2.36E-08	1.79E-05	2.72E-06	7.29E-12	2.2E-11	1.74E-11	1.26E-14	3.05E-13	1.68263E-14	3.34306E-13	2.364E-08	1.7893E-05	2.71754E-06	7.46006E-12	5.10268E-14	3.72355E-12	8.4897E-15
436	570390.6	4178479	0.55, 41784	0.14146	0.10678	0.13471	86.10528	34.01158	98.86723	14.01299	4.67053	15.28263	2.65E-08	1.94E-05	3E-06	8.17E-12	2.47E-11	1.95E-11	1.41E-14	3.41E-13	1.88488E-14	3.74445E-13	2.647E-08	1.9428E-05	3.00356E-06	8.35576E-12	5.71534E-14	4.17063E-12	9.50903E-15
437	570430.6	4178479	0.55, 41784	0.16075	0.12266	0.15218	93.00088	36.36689	108.11431	15.32204	5.02469	17.00047	2.99E-08	2.12E-05	3.34E-06	9.23E-12	2.79E-11	2.2E-11	1.6E-14	3.86E-13	2.12933E-14	4.23007E-13	2.991E-08	2.1245E-05	3.34116E-06	9.43942E-12	6.45656E-14	4.71151E-12	1.07423E-14
438	570470.6	4178479	0.55, 41784	0.18644	0.14379	0.17515	101.96042	39.51551	120.09702	16.93263	5.48718	19.18544	3.44E-08	2.36E-05	3.77E-06	1.06E-11	3.21E-11	2.53E-11	1.84E-14	4.44E-13	2.45074E-14	4.86858E-13	3.442E-08	2.36E-05	3.77056E-06	1.08642E-11	7.43114E-14	5.42269E-12	1.23637E-14
439	570510.6	4178479	0.55, 41784	0.22079	0.17209	0.20548	113.44919	43.50567	135.70428	18.9082	6.17272	22.02345	4.04E-08	2.67E-05	4.33E-06	1.25E-11	3.76E-11	2.97E-11	2.16E-14	5.21E-13	2.87514E-14	5.71167E-13	4.038E-08	2.6667E-05	4.32829E-06	1.27456E-11	8.718E-14	6.36174E-12	1.45048E-14
440	570550.6	4178479	0.55, 41784	0.2667	0.21004	0.24533	127.7059	48.20733	155.63974	21.28432	7.34053	25.62853	4.82E-08	3.06E-05	5.04E-06	1.49E-11	4.49E-11	3.55E-11	2.57E-14	6.22E-13	3.43275E-14	6.8194E-13	4.822E-08	3.0584E-05	5.03676E-06	1.52175E-11	1.04088E-13	7.59555E-12	1.73179E-14
441	570590.6	4178479	0.55, 41784	0.32931	0.26248	0.29831	144.67878	53.44745	182.17951	24.11313	8.81975	30.24215	5.86E-08	3.58E-05	5.94E-06	1.81E-11	5.46E-11	4.31E-11	3.13E-14	7.56E-13	4.1741E-14	8.29214E-13	5.863E-08	3.5799E-05	5.94342E-06	1.85039E-11	1.26567E-13	9.2359E-12	2.10579E-14
442	570630.6	4178479	0.55, 41784	0.42133	0.33962	0.37314	165.95931	60.05375	219.0797	27.65989	10.77683	36.51328	7.33E-08	4.3E-05	7.18E-06	2.26E-11	6.83E-11	5.4E-11	3.92E-14	9.46E-13	5.2212E-14	1.03723E-12	7.334E-08	4.305E-05	7.1758E-06	2.31458E-11	1.58317E-13	1.15528E-11	2.63404E-14
443	570670.6	4178479	0.55, 41784	0.56746	0.46145	0.48445	193.36004	69.0612	272.47405	32.22667	13.5092	45.41234	9.52E-08	5.35E-05	8.92E-06	2.94E-11	8.87E-11	7.01E-11	5.08E-14	1.23E-12	6.77879E-14	1.34665E-12	9.521E-08	5.3541E-05	8.92457E-06	3.00506E-11	2.05546E-13	1.49992E-11	3.41982E-14
444	570710.6	4178479	0.55, 41784	0.83023	0.67528	0.66195	236.53606	81.84268	352.22256	39.07222	17.68943	58.70376	1.3E-07	6.92E-05	1.15E-05	4.01E-11	1.21E-10	9.58E-11	6.95E-14	1.68E-12	9.26268E-14	1.8401E-12	1.301E-07	6.9212E-05	1.15365E-05	4.10618E-11	2.80863E-13	2.04953E-11	4.67292E-14
445	570750.6	4178479	0.55, 41784	1.42426	1.12918	0.97629	342.03514	102.90165	482.1747	49.67165	25.1054	80.36245	1.92E-07	9.47E-05	1.58E-05	5.92E-11	1.79E-10	1.41E-10	1.02E-13	2.47E-12	1.36618E-13	2.71401E-12	1.919E-07	9.4747E-05	1.57927E-05	6.05632E-11	4.14252E-13	3.0229E-11	6.89222E-14
446	570790.6	4178479	0.55, 41784	3.63047	2.75084	1.62936	596.75244	187.47347	722.34167	107.7468	51.23422	120.39028	3.2E-07	0.000142	2.37E-05	9.88E-11	2.98E-10	2.36E-10	1.71E-13	4.13E-12	2.2804E-13	4.53018E-12	3.203E-07	0.00014194	2.36607E-05	1.01091E-10	6.91464E-13	5.04578E-11	1.15044E-13
447	571030.6	4178479	0.55, 41784	9.40071	15.68167	11.18665	333.68631	267.08575	756.18793	81.11776	110.69164	178.64972	2.2E-06	0.000149	3.51E-05	6.79E-10	2.05E-09	1.62E-09	1.17E-12	2.84E-11	1.56548E-12	3.10994E-11	2.199E-06	0.00014859	3.51063E-05	6.93983E-10	4.74684E-12	3.46389E-10	7.89767E-13
448	571070.6	4178479	0.55, 41784	5.59712	9.0131	6.53916	216.22006	204.77885	522.16381	54.58514	76.29745	101.00005	1.29E-06	0.000103	1.98E-05	3.97E-10	1.2E-09	9.46E-10	6.86E-13	1.66E-11	9.15097E-13	1.8179E-11	1.285E-06	0.00010261	1.98479E-05	4.05666E-10	2.77475E-12	2.02481E-10	4.61656E-13
449	571110.6	4178479	0.55, 41784	3.86033	5.8724	4.45436	232.77263	158.88759	526.3096	40.87392	60.11848	68.10823	8.76E-07	0.000103	1.34E-05	2.7E-10	8.16E-10	6.44E-10	4.67E-13	1.13E-11	6.23339E-13	1.23831E-11	8.755E-07	0.00010342	1.33844E-05	2.76328E-10	1.89009E-12	1.37924E-10	3.14467E-13
450	571150.6	4178479	0.55, 41784	2.87873	4.17215	3.24074	243.47288	131.88403	510.79766	36.94401	47.80365	68.59206	6.37E-07	0.0001	1.35E-05	1.97E-10	5.93E-10	4.69E-10	3.4E-13	8.22E-12	4.53503E-13	9.00915E-12	6.37E-07	0.00010037	1.34793E-05	2.01039E-10	1.37511E-12	1.00345E-10	2.28787E-13
451	571190.6	4178479	0.55, 41784	2.25924	3.11768	2.54212	272.99859	103.34976	495.79992	40.61499	35.56429	82.63332	5E-07	9.74E-05	1.62E-05	1.54E-10	4.66E-10	3.68E-10	2.67E-13	6.44E-12	3.55734E-13	7.0669E-12	4.997E-07	9.7424E-05	1.62384E-05	1.57698E-10	1.07866E-12	7.87122E-11	1.79464E-13
452	571230.6	4178479	0.55, 41784	1.86428	2.43731	2.04705	228.60917	88.43023	428.91859	34.9281	28.65964	53.61482	4.02E-07	8.43E-05	1.05E-05	1.24E-10	3.75E-10	2.96E-10	2.15E-13	5.19E-12	2.86453E-13	5.6906E-12	4.023E-07	8.4282E-05	1.05364E-05	1.26986E-10	8.68584E-13	6.33827E-11	1.44513E-13
453	571270.6	4178479	0.55, 41784	1.58233	1.95726	1.72288	275.18297	89.4878	451.79055	39.56066	24.38596	62.99097	3.39E-07	8.88E-05	1.24E-05	1.04E-10	3.16E-10	2.49E-10	1.81E-13	4.37E-12	2.41088E-13	4.78937E-12	3.386E-07	8.8776E-05	1.23789E-05	1.06875E-10	7.31025E-13	5.33447E-11	1.21626E-13
454	571310.6	4178479	0.55, 41784	1.35793	1.6065	1.5101	222.77943	77.47813	328.49847	32.82803	21.05024	46.46168	2.97E-07	6.45E-05	9.13E-06	9.16E-11	2.77E-10	2.18E-10	1.58E-13	3.83E-12	2.11309E-13	4.1978E-12	2.968E-07	6.455E-05	9.13078E-06	9.3674E-11	6.4073E-13	4.67557E-11	1.06603E-13
455	571350.6	4178479	0.55, 41784	1.1642	1.33076	1.27594	210.30644	64.61424	297.95893	30.9494	18.13628	42.55235	2.51E-07	5.85E-05	8.36E-06	7.74E-11	2.34E-10	1.85E-10	1.34E-13	3.23E-12	1.78542E-13	3.54686E-12	2.508E-07	5.8549E-05	8.36256E-06	7.91483E-11	5.41374E-13	3.95054E-11	9.00724E-14
456	571390.6	4178479	0.55, 41784	1.001	1.11694	1.07653	187.8278	60.73144	278.37154	27.7002	15.35336	39.86006	2.12E-07	5.47E-05	7.83E-06	6.53E-11	1.97E-10	1.56E-10	1.13E-13	2.73E-12	1.50638E-13	2.99254E-12	2.116E-07	5.47E-05	7.83339E-06	6.67786E-11	4.56765E-13	3.33313E-11	7.59954E-14
457	571430.6	4178479	0.55, 41784	0.8626	0.94616	0.9271	141.00765	57.76687	153.44465	20.99683	12.7525	23.01436	1.82E-07	3.02E-05	4.52E-06	5.62E-11	1.7E-10	1.34E-10	9.73E-14	2.35E-12	1.29728E-13	2.57714E-12	1.822E-07	3.0153E-05	4.5231E-06	5.7509E-11	3.93361E-13	2.87046E-11	6.54464E-14
458	571470.6	4178479	0.55, 41784	0.75511	0.81334	0.81471	85.41876	54.87579	110.14274	13.60469	11.10539	17.11986	1.6E-07	2.16E-05	3.36E-06	4.94E-11	1.49E-10	1.18E-10	8.55E-14	2.07E-12	1.14001E-13	2.26471E-12	1.601E-07	2.1644E-05	3.36453E-06	5.0537E-11	3.45673E-13	2.52246E-11	5.75122E-14
459	571510.6	4178479	0.55, 41784	0.666	0.70453	0.71826	104.54177	51.61661	121.24791	13.06772	9.4895	15.99878	1.41E-07	2.38E-05	3.14E-06	4.36E-11	1.32E-10	1.04E-10	7.54E-14	1.82E-12	1.00504E-13	1.99659E-12	1.412E-07	2.3826E-05	3.14422E-06	4.4554E-11	3.04749E-13	2.22383E-11	5.07033E-14
460	571550.6	4178479	0.55, 41784	0.58993	0.61436	0.63446	114.23468	47.78612	141.81512	14.27934	8.47335	17.72689	1.25E-07	2.79E-05	3.48E-06	3.85E-11	1.16E-10	9.18E-11	6.66E-14	1.61E-12	8.87782E-14	1.76364E-12	1.247E-07	2.7867E-05	3.48383E-06	3.93557E-11	2.69193E-13	1.96437E-11	4.47876E-14
461	571590.6	4178479	0.55, 41784	0.5248	0.5396	0.56365	114.71837	43.31659	143.69009	14.3398	7.89274	17.96126	1.11E-07	2.82E-05	3.53E-06	3.42E-11	1.03E-10	8.15E-11	5.92E-14	1.43E-12	7.88697E-14	1.5668E-12	1.108E-07	2.8236E-05	3.52989E-06	3.49633E-11	2.39149E-13	1.74513E-11	3.97889E-14
462	570310.6	4178519	0.55, 41785	0.10968	0.08323	0.10459	75.92481	30.95134	85.20389	12.65413	4.31611	14.20065	2.06E-08	1.67E-05	2.79E-06	6.34E-12	1.92E-11	1.51E-11	1.1E-14	2.65E-13	1.46344E-14	2.90723E-13	2.055E-08	1.6743E-05	2.79089E-06	6.48749E-12	4.43744E-14	3.23811E-12	7.3829E-15
463	570350.6	4178519	0.55, 41785	0.12253	0.09413	0.11632	80.98331	32.52203	91.70345	13.49722	4.56123	15.28391	2.29E-08	1.8E-05	3E-06	7.05E-12	2.13E-11	1.68E-11	1.22E-14	2.95E-13	1.62757E-14	3.23329E-13	2.286E-08	1.802E-05	3.00378E-06	7.2151E-12	4.93513E-14	3.60129E-12	8.21093E-15
464	570390.6	4178519	0.55, 41785	0.13706	0.10653	0.12954	86.4192	34.09518	99.00991	14.4032	4.78567	16.50165	2.55E-08	1.95E-05	3.24E-06	7.86E-12	2.37E-11	1.87E-11	1.36E-14	3.28E-13	1.81256E-14	3.60077E-13	2.546E-08	1.9456E-05	3.2431E-06	8.03514E-12	5.49603E-14	4.01059E-12	9.14415E-15
465	570430.6	4178519	0.55, 41785	0.15657	0.12308	0.14711	93.48729	36.56809	108.68156	15.58121	5.11226	18.11359	2.89E-08	2.14E-05	3.56E-06	8.92E-12	2.69E-11	2.13E-11	1.54E-14	3.73E-13	2.05841E-14	4.08917E-13	2.891E-08	2.1357E-05	3.55988E-06	9.12501E-12	6.2415E-14	4.55458E-12	1.03844E-14
466	570470.6	4178519	0.55, 41785	0.18113	0.14422	0.16907	101.65142	39.2669	120.52836	16.9419	5.47129	20.08806	3.32E-08	2.37E-05	3.95E-06	1.03E-11	3.1E-11	2.45E-11	1.77E-14	4.29E-13	2.36569E-14	4.69961E-13	3.323E-08	2.3684E-05	3.94791E-06	1.04872E-11	7.17324E-14	5.23449E-12	1.19346E-14
467	570510.6	4178519	0.55, 41785	0.21556	0.17373	0.19928	112.42418	43.21366	137.68321	18.73736	6.23491	22.9472	3.92E-08	2.71E-05	4.51E-06	1.21E-11	3.65E-11	2.88E-11	2.09E-14	5.05E-13	2.78841E-14	5.53938E-13	3.917E-08	2.7055E-05	4.50979E-06	1.23611E-11	8.45502E-14	6.16984E-12	1.40672E-14
468	570550.6	4178519	0.55, 41785	0.26244	0.21401	0.23948	127.39838	48.06291	159.66591	20.89373	7.26318	26.61098	4.71E-08	3.14E-05	5.23E-06	1.45E-11	4.39E-11	3.46E-11	2.51E-14	6.07E-13	3.35093E-14	6.65686E-13	4.707E-08	3.1375E-05	5.22978E-06	1.48548E-11	1.01607E-13	7.4145E-12	1.69051E-14
469	570590.6	4178519	0.55, 41785	0.32438	0.26815	0.29055	146.74921	52.55391	186.84388	23.05175	8.49659	31.14065	5.71E-08	3.67E-05	6.12E-06	1.76E-11	5.32E-11	4.2E-11	3.05E-14	7.37E-13	4.06556E-14	8.07652E-13	5.71E-08	3.6715E-05	6.11991E-06	1.80228E-11	1.23276E-13	8.99574E-12	2.05103E-14
470	570630.6	4178519	0.55, 41785	0.41604	0.34788	0.36203	170.82398	60.03664	221.85088	25.41079	10.076	36.97515	7.12E-08	4.36E-05	7.27E-06	2.2E-11	6.63E-11	5.24E-11	3.8E-14	9.18E-13	5.0658E-14	1.00636E-12	7.115E-08	4.3594E-05	7.26642E-06	2.24569E-11	1.53605E-13	1.1209E-11	2.55564E-14
471	570670.6	4178519	0.55, 41785	0.56352	0.47347	0.46761	210.6175	71.54419	266.74609	27.95974	12.2085	44.45768	9.19E-08	5.24E-05	8.74E-06	2.84E-11	8.56E-11	6.76E-11	4.91E-14	1.19E-12	6.54325E-14	1.29986E-12	9.19E-08	5.2416E-05	8.73676E-06	2.90065E-11	1.98404E-13	1.44781E-11	3.301E-14
472	570710.6	4178519	0.55, 41785	0.82936	0.69158	0.6351	257.30872	94.91316	337.8148	32.16359	16.3308	53.60133	1.25E-07	6.64E-05	1.05E-05	3.85E-11	1.16E-10	9.19E-11	6.67E-14	1.61E-12	8.88713E-14	1.76549E-12	1.248E-07	6.6381E-05	1.05336E-05	3.9397E-11	2.69475E-13	1.96643E-11	4.48346E-14
473	570750.6	4178519	0.55, 41785	1.36529	1.13262	0.93188	327.60111	130.96882	473.41526	45.80096	29.91109	62.68561	1.83E-07	9.3E-05	1.23E-05	5.65E-11	1.71E-10	1.35E-10	9.78E-14	2.36E-12	1.30405E-13	2.59059E-12	1.832E-07	9.3027E-05	1.23192E-05	5.78091E-11	3.95414E-13	2.88544E-11	6.5788E-14
474	570790.6	4178519	0.55, 41785	2.09469	1.90095	1.39228	339.24086	174.34023	730.67406	59.4987	49.70987	91.33426	2.74E-07	0.000144	1.79E-05	8.44E-11	2.55E-10	2.01E-10	1.46E-13	3.53E-12	1.9484E-13	3.87063E-12	2.737E-07	0.00014358	1.7949E-05	8.63733E-11	5.90793E-13	4.31117E-11	9.82946E-14
475	570990.6	4178519	0.55, 41785	30.9381	16.28557	11.79039	1645.60932	278.46944	1244.70182	444.29015	131.46412	279.7997	2.32E-06	0.000245	5.5E-05	7.15E-10	2.16E-09	1.71E-09	1.24E-12	2.99E-11	1.65004E-12	3.27792E-11	2.318E-06	0.00024459	5.50003E-05	7.3147E-10	5.00325E-12	3.651E-10	8.32428E-13
476	571030.6	4178519	0.55, 41785	10.39533	8.05295	7.62595	575.07494	188.36146	999.69988	130.51861	75.45666	173.23921	1.5E-06	0.000196	3.4E-05	4.63E-10	1.4E-09	1.1E-09	8E-13	1.93E-11	1.06711E-12	2.1199E-11	1.499E-06	0.00019644	3.40459E-05	4.73055E-10	3.2357E-12	2.36117E-10	5.38347E-13
477	571070.6	4178519	0.55, 41785	5.62777	5.38206	5.21191	327.13066	151.27996	542.64793	61.45445	56.79768	91.26612	1.02E-06	0.000107	1.79E-05	3.16E-10	9.54E-10	7.54E-10	5.47E-13	1.32E-11	7.29302E-13	1.44881E-11	1.024E-06	0.00010663	1.79357E-05	3.23302E-10	2.21139E-12	1.61371E-10	3.67925E-13
478	571110.6	4178519	0.55, 41785	3.70135	3.92679	3.70614	194.51307	130.68512	402.95521	41.68788	44.49195	69.09918	7.28E-07	7.92E-05	1.36E-05	2.25E-10	6.79E-10	5.36E-10	3.89E-13	9.39E-12	5.18602E-13	1.03024E-11	7.284E-07	7.9182E-05	1.35792E-05	2.29898E-10	1.5725E-12	1.1475E-10	2.61629E-13
479	571150.6	4178519	0.55, 41785	2.69329	3.00723	2.77155	208.02281	103.35418	440.08145	30.40761	37.50867	55.01018	5.45E-07	8.65E-05	1.08E-05	1.68E-10	5.08E-10	4.01E-10	2.91E-13	7.03E-12	3.87827E-13	7.70445E-12	5.447E-07	8.6475E-05	1.08103E-05	1.71925E-10	1.17597E-12	8.58133E-11	1.95654E-13
480	571190.6	4178519	0.55, 41785	2.08526	2.38411	2.19601	205.94825	100.14217	330.97092	32.90062	31.32752	44.74048	4.32E-07	6.5E-05	8.79E-06	1.33E-10	4.02E-10	3.18E-10	2.3E-13	5.57E-12	3.0729E-13	6.10454E-12	4.316E-07	6.5037E-05	8.7926E-06	1.36223E-10	9.31766E-13	6.79933E-11	1.55025E-13
481	571230.6	4178519	0.55, 41785	1.66362	1.91731	1.76389	215.41751	83.66277	360.55042	30.77393	25.17962	52.13444	3.47E-07	7.08E-05	1.02E-05	1.07E-10	3.23E-10	2.55E-10	1.85E-13	4.47E-12	2.46823E-13	4.90332E-12	3.467E-07	7.0848E-05	1.02453E-05	1.09418E-10	7.48417E-13	5.46139E-11	1.2452E-13
482	571270.6	4178519	0.55, 41785	1.38104	1.58176	1.44385	194.90891	74.63088	227.07234	31.16799	21.56574	34.54332	2.84E-07	4.46E-05	6.79E-06	8.76E-11	2.64E-10	2.09E-10	1.52E-13	3.66E-12	2.0204E-13	4.01367E-12	2.838E-07	4.4621E-05	6.78892E-06	8.95652E-11	6.12626E-13	4.47049E-11	1.01927E-13
483	571310.6	4178519	0.55, 41785	1.18628	1.33473	1.24995	227.7435	74.01926	353.91479	34.0231	18.88588	51.12416	2.46E-07	6.95E-05	1E-05	7.58E-11	2.29E-10	1.81E-10	1.31E-13	3.17E-12	1.74906E-13	3.47464E-12	2.457E-07	6.9544E-05	1.0047E-05	7.75366E-11	5.30351E-13	3.8701E-11	8.82383E-14
484	571350.6	4178519	0.55, 41785	1.02794	1.1349	1.10387	186.21806	66.32591	255.87469	28.09378	16.3212	37.6065	2.17E-07	5.03E-05	7.39E-06	6.69E-11	2.02E-10	1.6E-10	1.16E-13	2.8E-12	1.54464E-13	3.06853E-12	2.17E-07	5.028E-05	7.39062E-06	6.84743E-11	4.68364E-13	3.41777E-11	7.79252E-14
485	571390.6	4178519	0.55, 41785	0.88898	0.96986	0.94947	165.64096	58.31983	230.86073	23.55305	14.40747	29.95608	1.87E-07	4.54E-05	5.89E-06	5.76E-11	1.74E-10	1.37E-10	9.96E-14	2.41E-12	1.32858E-13	2.63933E-12	1.866E-07	4.5364E-05	5.88718E-06	5.88966E-11	4.02853E-13	2.93972E-11	6.70256E-14
486	571430.6	4178519	0.55, 41785	0.7696	0.83467	0.8102	166.81635	54.79876	235.11797	23.72844	12.50769	32.6638	1.59E-07	4.62E-05	6.42E-06	4.91E-11	1.48E-10	1.17E-10	8.5E-14	2.05E-12	1.13371E-13	2.25219E-12	1.592E-07	4.6201E-05	6.41922E-06	5.02577E-11	3.43763E-13	2.50852E-11	5.71943E-14
487	571470.6	4178519	0.55, 41785	0.67066	0.72494	0.7032	138.40145	51.97552	171.46902	19.82816	10.73341	24.30543	1.38E-07	3.37E-05	4.78E-06	4.26E-11	1.29E-10	1.02E-10	7.38E-14	1.78E-12	9.83984E-14	1.95475E-12	1.382E-07	3.3694E-05	4.77672E-06	4.36204E-11	2.98363E-13	2.17723E-11	4.96409E-14
488	571510.6	4178519	0.55, 41785	0.58987	0.63439	0.62004	93.94363	49.66848	89.41667	13.736	9.50533	13.29785	1.22E-07	1.76E-05	2.61E-06	3.76E-11	1.14E-10	8.97E-11	6.51E-14	1.57E-12	8.67617E-14	1.72358E-12	1.219E-07	1.7572E-05	2.61357E-06	3.84618E-11	2.63079E-13	1.91975E-11	4.37703E-14
489	571550.6	4178519	0.55, 41785	0.52422	0.55926	0.55249	64.7066	47.53612	82.72316	9.81761	8.44297	11.85775	1.09E-07	1.63E-05	2.33E-06	3.35E-11	1.01E-10	7.99E-11	5.8E-14	1.4E-12	7.73092E-14	1.5358E-12	1.086E-07	1.6256E-05	2.3304E-06	3.42715E-11	2.34417E-13	1.7106E-11	3.90017E-14
490	571590.6	4178519	0.55, 41785	0.47148	0.49721	0.49682	75.39988	45.27823	83.60413	9.54319	7.49343	11.2302	9.76E-08	1.64E-05	2.21E-06	3.01E-11	9.1E-11	7.19E-11	5.21E-14	1.26E-12	6.95192E-14	1.38105E-12	9.764E-08	1.643E-05	2.20708E-06	3.08181E-11	2.10796E-13	1.53823E-11	3.50717E-14
491	570310.6	4178559	0.55, 41785	0.10731	0.08405	0.10201	76.80272	30.54078	89.48595	12.80045	4.19275	14.91432	2E-08	1.76E-05	2.93E-06	6.19E-12	1.87E-11	1.48E-11	1.07E-14	2.59E-13	1.42735E-14	2.83553E-13	2.005E-08	1.7585E-05	2.93113E-06	6.3275E-12	4.32801E-14	3.15826E-12	7.20083E-15
492	570350.6	4178559	0.55, 41785	0.11907	0.09438	0.11262	82.9813	31.5625	94.82328	13.39224	4.31782	15.80388	2.21E-08	1.86E-05	3.11E-06	6.83E-12	2.06E-11	1.63E-11	1.18E-14	2.85E-13	1.57581E-14	3.13047E-13	2.213E-08	1.8633E-05	3.10594E-06	6.98565E-12	4.77818E-14	3.48676E-12	7.94981E-15
493	570390.6	4178559	0.55, 41785	0.1339	0.10748	0.12591	90.55746	32.83588	101.05325	14.07263	4.47793	16.84221	2.47E-08	1.99E-05	3.31E-06	7.64E-12	2.31E-11	1.82E-11	1.32E-14	3.19E-13	1.76178E-14	3.4999E-13	2.475E-08	1.9858E-05	3.31E-06	7.81004E-12	5.34206E-14	3.89824E-12	8.88798E-15
494	570430.6	4178559	0.55, 41785	0.15297	0.12443	0.14282	99.07784	34.42492	111.25467	14.88754	4.68196	18.0897	2.81E-08	2.19E-05	3.56E-06	8.66E-12	2.62E-11	2.07E-11	1.5E-14	3.62E-13	1.9984E-14	3.96996E-13	2.807E-08	2.1862E-05	3.55515E-06	8.85898E-12	6.05954E-14	4.4218E-12	1.00817E-14
495	570470.6	4178559	0.55, 41785	0.17711	0.14611	0.16369	108.3811	37.13833	125.77833	15.68816	5.10948	19.33096	3.22E-08	2.47E-05	3.8E-06	9.93E-12	3E-11	2.37E-11	1.72E-14	4.15E-13	2.29043E-14	4.55011E-13	3.217E-08	2.4716E-05	3.79909E-06	1.01536E-11	6.94505E-14	5.06798E-12	1.1555E-14
496	570510.6	4178559	0.55, 41785	0.21022	0.1758	0.19176	119.02071	41.74654	144.28309	16.67371	5.7123	20.76073	3.77E-08	2.84E-05	4.08E-06	1.16E-11	3.51E-11	2.77E-11	2.01E-14	4.86E-13	2.68322E-14	5.33041E-13	3.769E-08	2.8352E-05	4.08007E-06	1.18948E-11	8.13606E-14	5.93709E-12	1.35366E-14
497	570550.6	4178559	0.55, 41785	0.25686	0.21737	0.22998	138.81712	48.97119	169.0217	17.78034	6.5378	22.20322	4.52E-08	3.32E-05	4.36E-06	1.39E-11	4.21E-11	3.33E-11	2.41E-14	5.83E-13	3.21804E-14	6.39287E-13	4.52E-08	3.3213E-05	4.36355E-06	1.42657E-11	9.75774E-14	7.12047E-12	1.62347E-14
498	570590.6	4178559	0.55, 41785	0.31921	0.27311	0.27901	158.95656	55.69599	196.40207	19.86957	7.90259	24.55026	5.48E-08	3.86E-05	4.82E-06	1.69E-11	5.11E-11	4.04E-11	2.93E-14	7.07E-13	3.90414E-14	7.75585E-13	5.484E-08	3.8594E-05	4.82482E-06	1.73072E-11	1.18381E-13	8.63858E-12	1.9696E-14
499	570630.6	4178559	0.55, 41785	0.41072	0.35398	0.34795	180.38278	65.18573	228.48167	22.54785	9.64997	28.56021	6.84E-08	4.49E-05	5.61E-06	2.11E-11	6.37E-11	5.03E-11	3.65E-14	8.82E-13	4.86886E-14	9.67233E-13	6.839E-08	4.4897E-05	5.61286E-06	2.15838E-11	1.47633E-13	1.07732E-11	2.45629E-14
500	570670.6	4178559	0.55, 41785	0.55178	0.47716	0.45068	218.05495	85.23197	290.43238	27.25687	14.02323	36.30405	8.86E-08	5.71E-05	7.13E-06	2.73E-11	8.25E-11	6.52E-11	4.73E-14	1.14E-12	6.30643E-14	1.25282E-12	8.858E-08	5.7071E-05	7.13466E-06	2.79566E-11	1.91223E-13	1.39541E-11	3.18152E-14
501	570710.6	4178559	0.55, 41785	0.78132	0.6809	0.62169	244.71244	105.12049	355.26836	32.595	21.74638	44.40855	1.22E-07	6.98E-05	8.73E-06	3.77E-11	1.14E-10	8.99E-11	6.52E-14	1.58E-12	8.69948E-14	1.72821E-12	1.222E-07	6.9811E-05	8.72736E-06	3.85651E-11	2.63786E-13	1.92491E-11	4.38879E-14
502	570750.6	4178559	0.55, 41785	1.13763	1.02831	0.92752	276.33124	124.7524	514.56755	39.47589	32.46528	64.32094	1.82E-07	0.000101	1.26E-05	5.63E-11	1.7E-10	1.34E-10	9.73E-14	2.35E-12	1.29791E-13	2.57839E-12	1.823E-07	0.00010111	1.26402E-05	5.75368E-11	3.93551E-13	2.87184E-11	6.5478E-14
503	570790.6	4178559	0.55, 41785	1.48115	1.46435	1.34156	285.306	157.20995	776.24295	43.19026	42.97795	97.64972	2.64E-07	0.000153	1.92E-05	8.14E-11	2.46E-10	1.94E-10	1.41E-13	3.4E-12	1.87727E-13	3.72933E-12	2.637E-07	0.00015253	1.9189E-05	8.32202E-11	5.69226E-13	4.15379E-11	9.47063E-14
504	570830.6	4178559	0.55, 41785	2.67811	2.99292	2.3948	342.02881	178.80856	871.65336	66.23843	64.34565	121.28657	4.71E-07	0.000171	2.38E-05	1.45E-10	4.39E-10	3.46E-10	2.51E-13	6.07E-12	3.35123E-13	6.65745E-12	4.707E-07	0.00017128	2.38345E-05	1.48561E-10	1.01616E-12	7.41516E-11	1.69066E-13
505	570950.6	4178559	0.55, 41785	26.55575	12.00196	5.05287	679.01352	318.67052	1487.06516	280.37281	116.3834	245.48668	9.94E-07	0.000292	4.82E-05	3.07E-10	9.26E-10	7.31E-10	5.31E-13	1.28E-11	7.07364E-13	1.40523E-11	9.935E-07	0.0002922	4.82495E-05	3.13577E-10	2.14487E-12	1.56516E-10	3.56857E-13
506	570990.6	4178559	0.55, 41785	10.52141	6.96087	4.44153	639.29991	205.65266	1371.63359	133.52138	75.6432	174.17097	8.73E-07	0.00027	3.42E-05	2.69E-10	8.13E-10	6.43E-10	4.66E-13	1.13E-11	6.21607E-13	1.23487E-11	8.731E-07	0.00026952	3.42291E-05	2.75561E-10	1.88484E-12	1.37541E-10	3.13594E-13
507	571030.6	4178559	0.55, 41785	6.12086	4.69941	3.63304	562.31532	143.87555	907.33173	97.52112	53.65332	135.00156	7.14E-07	0.000178	2.65E-05	2.2E-10	6.65E-10	5.26E-10	3.81E-13	9.21E-12	5.08412E-13	1.01E-11	7.141E-07	0.00017829	2.6531E-05	2.25381E-10	1.54161E-12	1.12495E-10	2.56488E-13
508	571070.6	4178559	0.55, 41785	4.00501	3.46908	2.98955	291.75499	122.4909	364.39166	69.10596	41.80504	75.82917	5.88E-07	7.16E-05	1.49E-05	1.81E-10	5.47E-10	4.32E-10	3.14E-13	7.58E-12	4.18344E-13	8.31069E-12	5.876E-07	7.1605E-05	1.4903E-05	1.85453E-10	1.2685E-12	9.25657E-11	2.1105E-13
509	571110.6	4178559	0.55, 41785	2.89394	2.70355	2.4438	288.47324	105.99812	437.78623	48.03981	36.46899	59.71453	4.8E-07	8.6E-05	1.17E-05	1.48E-10	4.48E-10	3.54E-10	2.56E-13	6.19E-12	3.41968E-13	6.79344E-12	4.803E-07	8.6025E-05	1.17356E-05	1.51596E-10	1.03691E-12	7.56663E-11	1.72519E-13
510	571150.6	4178559	0.55, 41785	2.21115	2.17534	2.01472	240.56187	97.79178	377.92847	31.90722	30.3701	47.66793	3.96E-07	7.43E-05	9.37E-06	1.22E-10	3.69E-10	2.91E-10	2.11E-13	5.11E-12	2.81923E-13	5.6006E-12	3.96E-07	7.4263E-05	9.36774E-06	1.24978E-10	8.54847E-13	6.23803E-11	1.42227E-13
511	571190.6	4178559	0.55, 41785	1.76303	1.79806	1.6955	177.14345	83.63267	264.27885	24.55859	26.34777	34.50528	3.33E-07	5.19E-05	6.78E-06	1.03E-10	3.1E-10	2.45E-10	1.78E-13	4.3E-12	2.37253E-13	4.71319E-12	3.332E-07	5.1932E-05	6.78109E-06	1.05175E-10	7.19397E-13	5.24962E-11	1.19691E-13
512	571230.6	4178559	0.55, 41785	1.44054	1.50665	1.43503	192.87207	80.98435	306.26039	29.09943	22.26218	51.0434	2.82E-07	6.02E-05	1E-05	8.7E-11	2.63E-10	2.08E-10	1.51E-13	3.64E-12	2.00804E-13	3.98911E-12	2.82E-07	6.018E-05	1.00308E-05	8.90172E-11	6.08878E-13	4.44313E-11	1.01303E-13
513	571270.6	4178559	0.55, 41785	1.19178	1.27042	1.20125	167.21575	71.42327	283.3883	22.32638	19.23301	35.42354	2.36E-07	5.57E-05	6.96E-06	7.29E-11	2.2E-10	1.74E-10	1.26E-13	3.05E-12	1.68091E-13	3.33926E-12	2.361E-07	5.5686E-05	6.96139E-06	7.45156E-11	5.09687E-13	3.71931E-11	8.48003E-14

514	571310.6	4178559	0.55, 41785	1.01245	1.08581	1.02025	169.23295	65.49002	155.67948	26.6418	16.91234	25.18935	2.01E-07	3.06E-05	4.95E-06	6.19E-11	1.87E-10	1.48E-10	1.07E-13	2.59E-12	1.42764E-13	2.83611E-12	2.005E-07	3.0593E-05	4.95076E-06	6.3288E-11	4.3289E-13	3.1589E-11	7.2023E-14
515	571350.6	4178559	0.55, 41785	0.8838	0.94242	0.90608	194.09519	63.64749	285.0024	28.90026	14.99354	40.61241	1.78E-07	5.6E-05	7.98E-06	5.5E-11	1.66E-10	1.31E-10	9.51E-14	2.3E-12	1.26788E-13	2.51872E-12	1.781E-07	5.6003E-05	7.98128E-06	5.62054E-11	3.84445E-13	2.80539E-11	6.39629E-14
516	571390.6	4178559	0.55, 41785	0.78025	0.82372	0.8159	158.10154	57.98385	206.74246	23.81897	12.89204	30.22211	1.6E-07	4.06E-05	5.94E-06	4.95E-11	1.49E-10	1.18E-10	8.56E-14	2.07E-12	1.14168E-13	2.26802E-12	1.604E-07	4.0625E-05	5.93947E-06	5.0611E-11	3.46179E-13	2.52616E-11	5.75964E-14
517	571430.6	4178559	0.55, 41785	0.68512	0.72115	0.71821	137.68904	52.2569	180.06144	18.93914	11.62385	25.68604	1.41E-07	3.54E-05	5.05E-06	4.36E-11	1.32E-10	1.04E-10	7.54E-14	1.82E-12	1.00498E-13	1.99646E-12	1.412E-07	3.5383E-05	5.04794E-06	4.45512E-11	3.0473E-13	2.22369E-11	5.07001E-14
518	571470.6	4178559	0.55, 41785	0.60049	0.63425	0.62389	143.56241	49.93475	187.32246	19.90478	10.29716	25.60594	1.23E-07	3.68E-05	5.03E-06	3.78E-11	1.14E-10	9.02E-11	6.55E-14	1.58E-12	8.73003E-14	1.73428E-12	1.226E-07	3.6809E-05	5.03225E-06	3.87005E-11	2.64712E-13	1.93167E-11	4.4042E-14
519	571510.6	4178559	0.55, 41785	0.52736	0.56045	0.5447	131.02036	47.72087	167.66109	18.26486	8.99798	23.11602	1.07E-07	3.29E-05	4.54E-06	3.3E-11	9.97E-11	7.88E-11	5.72E-14	1.38E-12	7.62195E-14	1.51415E-12	1.071E-07	3.2946E-05	4.54293E-06	3.37884E-11	2.31113E-13	1.68649E-11	3.84519E-14
520	571550.6	4178559	0.55, 41785	0.46874	0.49944	0.48529	99.50634	45.73793	109.0385	14.05158	8.03042	15.4257	9.54E-08	2.14E-05	3.03E-06	2.94E-11	8.89E-11	7.02E-11	5.09E-14	1.23E-12	6.79063E-14	1.34901E-12	9.538E-08	2.1427E-05	3.03167E-06	3.01031E-11	2.05905E-13	1.50254E-11	3.4258E-14
521	571590.6	4178559	0.55, 41785	0.42104	0.44786	0.43792	63.39282	43.98321	60.02596	9.17705	7.35207	9.24249	8.61E-08	1.18E-05	1.82E-06	2.66E-11	8.02E-11	6.33E-11	4.6E-14	1.11E-12	6.12778E-14	1.21733E-12	8.607E-08	1.1797E-05	1.8165E-06	2.71647E-11	1.85806E-13	1.35588E-11	3.0914E-14
522	570310.6	4178599	0.55, 41785	0.10507	0.08466	0.09914	83.25071	28.48032	95.05484	11.19876	3.62883	12.56574	1.95E-08	1.87E-05	2.47E-06	6.01E-12	1.82E-11	1.43E-11	1.04E-14	2.51E-13	1.3872E-14	2.75578E-13	1.948E-08	1.8679E-05	2.46958E-06	6.14953E-12	4.20628E-14	3.06943E-12	6.99829E-15
523	570350.6	4178599	0.55, 41785	0.11716	0.09561	0.10985	88.57329	30.33455	103.53599	11.44069	3.79182	12.942	2.16E-08	2.03E-05	2.54E-06	6.66E-12	2.01E-11	1.59E-11	1.15E-14	2.78E-13	1.53707E-14	3.05349E-13	2.159E-08	2.0345E-05	2.54352E-06	6.81388E-12	4.6607E-14	3.40103E-12	7.75434E-15
524	570390.6	4178599	0.55, 41785	0.13131	0.10865	0.12235	93.2639	32.45644	112.44406	11.65799	4.05706	14.05551	2.4E-08	2.21E-05	2.76E-06	7.42E-12	2.24E-11	1.77E-11	1.28E-14	3.1E-13	1.71198E-14	3.40097E-13	2.405E-08	2.2096E-05	2.76232E-06	7.58928E-12	5.19107E-14	3.78805E-12	8.63676E-15
525	570430.6	4178599	0.55, 41785	0.15022	0.126	0.13878	103.53542	36.02365	122.12845	12.94193	4.50296	15.26606	2.73E-08	2.4E-05	3E-06	8.42E-12	2.54E-11	2.01E-11	1.46E-14	3.52E-13	1.94189E-14	3.8577E-13	2.728E-08	2.3999E-05	3.00025E-06	8.60846E-12	5.88819E-14	4.29676E-12	9.79661E-15
526	570470.6	4178599	0.55, 41785	0.17421	0.14819	0.15942	115.63183	39.91557	131.63773	14.45398	5.34922	16.45472	3.13E-08	2.59E-05	3.23E-06	9.67E-12	2.92E-11	2.31E-11	1.67E-14	4.04E-13	2.23071E-14	4.43146E-13	3.133E-08	2.5867E-05	3.23388E-06	9.88881E-12	6.76395E-14	4.93582E-12	1.12537E-14
527	570510.6	4178599	0.55, 41785	0.20799	0.17912	0.18803	128.15759	44.54205	154.67263	16.0197	6.36274	19.33408	3.7E-08	3.04E-05	3.8E-06	1.14E-11	3.44E-11	2.72E-11	1.97E-14	4.77E-13	2.63105E-14	5.22677E-13	3.695E-08	3.0394E-05	3.79972E-06	1.16636E-11	7.97787E-14	5.82165E-12	1.32734E-14
528	570550.6	4178599	0.55, 41785	0.25382	0.22088	0.22625	141.74172	51.90419	182.47104	17.71771	7.41488	22.80888	4.45E-08	3.59E-05	4.48E-06	1.37E-11	4.14E-11	3.27E-11	2.37E-14	5.74E-13	3.16587E-14	6.28923E-13	4.447E-08	3.5856E-05	4.48255E-06	1.40344E-11	9.59956E-14	7.00504E-12	1.59715E-14
529	570590.6	4178599	0.55, 41785	0.31442	0.27626	0.27638	161.8077	62.94071	207.9054	20.22596	8.27119	25.98817	5.43E-08	4.09E-05	5.11E-06	1.68E-11	5.06E-11	4E-11	2.9E-14	7.01E-13	3.86736E-14	7.68278E-13	5.432E-08	4.0854E-05	5.10737E-06	1.71441E-11	1.17266E-13	8.55719E-12	1.95104E-14
530	570630.6	4178599	0.55, 41785	0.39904	0.35395	0.34775	187.04764	77.01967	233.41259	23.38095	12.20463	29.17657	6.83E-08	4.59E-05	5.73E-06	2.11E-11	6.37E-11	5.03E-11	3.65E-14	8.82E-13	4.86606E-14	9.66676E-13	6.835E-08	4.5867E-05	5.73401E-06	2.15714E-11	1.47548E-13	1.0767E-11	2.45487E-14
531	570670.6	4178599	0.55, 41785	0.52025	0.46779	0.4567	203.91154	89.67976	314.96286	27.18561	17.16092	39.37036	8.98E-08	6.19E-05	7.74E-06	2.77E-11	8.36E-11	6.61E-11	4.79E-14	1.16E-12	6.3906E-14	1.26954E-12	8.976E-08	6.1891E-05	7.73714E-06	2.83298E-11	1.93776E-13	1.41403E-11	3.22399E-14
532	570710.6	4178599	0.55, 41785	0.68748	0.63563	0.62617	226.5911	101.22552	383.25212	32.37016	22.387	47.90652	1.23E-07	7.53E-05	9.41E-06	3.8E-11	1.15E-10	9.06E-11	6.57E-14	1.59E-12	8.76196E-14	1.74063E-12	1.231E-07	7.5309E-05	9.41465E-06	3.88421E-11	2.6568E-13	1.93873E-11	4.42031E-14
533	570750.6	4178599	0.55, 41785	0.91976	0.89022	0.88415	243.41497	114.05895	499.75889	34.77357	31.00996	69.4997	1.74E-07	9.82E-05	1.37E-05	5.36E-11	1.62E-10	1.28E-10	9.28E-14	2.24E-12	1.23718E-13	2.45775E-12	1.738E-07	9.8202E-05	1.36575E-05	5.48447E-11	3.75138E-13	2.73748E-11	6.24144E-14
534	570790.6	4178599	0.55, 41785	1.20615	1.22781	1.16033	261.32328	130.44037	537.17009	39.31654	39.06207	73.65107	2.28E-07	0.000106	1.45E-05	7.04E-11	2.12E-10	1.68E-10	1.22E-13	2.94E-12	1.62366E-13	3.22551E-12	2.281E-07	0.00010555	1.44734E-05	7.19774E-11	4.92325E-13	3.59262E-11	8.19117E-14
535	570830.6	4178599	0.55, 41785	1.86035	2.06593	1.53512	307.79075	158.37727	606.96091	57.33573	51.17396	80.52216	3.02E-07	0.000119	1.58E-05	9.31E-11	2.81E-10	2.22E-10	1.61E-13	3.89E-12	2.14827E-13	4.26768E-12	3.017E-07	0.00011927	1.58245E-05	9.52335E-11	6.51397E-13	4.75341E-11	1.08378E-13
536	570870.6	4178599	0.55, 41785	2.81953	3.8452	1.88016	429.66876	238.19724	679.18896	77.96533	87.47681	90.64703	3.7E-07	0.000133	1.78E-05	1.14E-10	3.44E-10	2.72E-10	1.97E-13	4.77E-12	2.63159E-13	5.22785E-12	3.696E-07	0.00013346	1.7815E-05	1.1666E-10	7.97952E-13	5.82285E-11	1.32761E-13
537	570910.6	4178599	0.55, 41785	4.21414	6.38342	2.32175	555.65098	273.48442	945.27353	124.98504	103.73159	124.24769	4.57E-07	0.000186	2.44E-05	1.41E-10	4.25E-10	3.36E-10	2.44E-13	5.89E-12	3.25027E-13	6.45688E-12	4.565E-07	0.00018575	2.44195E-05	1.44086E-10	9.85545E-13	7.19177E-11	1.63972E-13
538	570950.6	4178599	0.55, 41785	4.59898	4.54538	2.28746	563.80012	195.03038	769.06119	96.52509	58.5202	125.1466	4.5E-07	0.000151	2.46E-05	1.39E-10	4.19E-10	3.31E-10	2.4E-13	5.8E-12	3.20168E-13	6.36036E-12	4.497E-07	0.00015112	2.45946E-05	1.41932E-10	9.70812E-13	7.08426E-11	1.61521E-13
539	570990.6	4178599	0.55, 41785	3.82228	3.4158	2.10211	387.45867	157.86758	722.29473	74.93195	45.58999	97.36969	4.13E-07	0.000142	1.91E-05	1.28E-10	3.85E-10	3.04E-10	2.21E-13	5.33E-12	2.94197E-13	5.84443E-12	4.132E-07	0.00014193	1.91357E-05	1.30419E-10	8.92064E-13	6.50961E-11	1.48419E-13
540	571030.6	4178599	0.55, 41785	3.02247	2.69987	1.99871	442.17309	124.03841	776.22539	67.82636	38.72372	97.59907	3.93E-07	0.000153	1.92E-05	1.21E-10	3.66E-10	2.89E-10	2.1E-13	5.07E-12	2.79705E-13	5.55653E-12	3.929E-07	0.00015252	1.91804E-05	1.23994E-10	8.4812E-13	6.18894E-11	1.41108E-13
541	571070.6	4178599	0.55, 41785	2.43201	2.20804	1.81695	323.32852	105.96293	523.5768	49.87717	32.54487	75.45431	3.57E-07	0.000103	1.48E-05	1.1E-10	3.33E-10	2.63E-10	1.91E-13	4.61E-12	2.54259E-13	5.05103E-12	3.571E-07	0.00010288	1.48283E-05	1.12714E-10	7.70964E-13	5.62591E-11	1.28271E-13
542	571110.6	4178599	0.55, 41785	1.9361	1.83698	1.53551	285.52756	89.63178	395.42144	42.26506	28.59229	57.87538	3.02E-07	7.77E-05	1.14E-05	9.31E-11	2.81E-10	2.22E-10	1.61E-13	3.89E-12	2.14874E-13	4.26862E-12	3.018E-07	7.77E-05	1.13739E-05	9.52543E-11	6.51539E-13	4.75445E-11	1.08401E-13
543	571150.6	4178599	0.55, 41785	1.58315	1.55537	1.34493	182.41041	88.91432	301.39134	29.75311	25.20352	37.67392	2.64E-07	5.92E-05	7.4E-06	8.16E-11	2.46E-10	1.95E-10	1.41E-13	3.41E-12	1.88202E-13	3.73877E-12	2.643E-07	5.9224E-05	7.40396E-06	8.34308E-11	5.70666E-13	4.1643E-11	9.4946E-14
544	571190.6	4178599	0.55, 41785	1.33739	1.33597	1.20735	189.26194	77.8274	237.13522	24.55337	21.99349	31.52399	2.37E-07	4.66E-05	6.2E-06	7.32E-11	2.21E-10	1.75E-10	1.27E-13	3.06E-12	1.68948E-13	3.35626E-12	2.373E-07	4.6598E-05	6.19531E-06	7.48951E-11	5.12283E-13	3.73826E-11	8.52322E-14
545	571230.6	4178599	0.55, 41785	1.14183	1.1549	1.07779	177.02423	70.01737	247.02933	25.42204	18.83046	36.19826	2.12E-07	4.85E-05	7.11E-06	6.54E-11	1.97E-10	1.56E-10	1.13E-13	2.73E-12	1.50816E-13	2.99608E-12	2.118E-07	4.8542E-05	7.11378E-06	6.68575E-11	4.57305E-13	3.33707E-11	7.60852E-14
546	571270.6	4178599	0.55, 41785	0.97959	1.00523	0.95378	160.46118	68.49541	236.51718	22.92303	16.81937	33.9008	1.87E-07	4.65E-05	6.66E-06	5.78E-11	1.75E-10	1.38E-10	1E-13	2.42E-12	1.33463E-13	2.65133E-12	1.875E-07	4.6476E-05	6.66223E-06	5.91646E-11	4.04686E-13	2.95309E-11	6.73306E-14
547	571310.6	4178599	0.55, 41785	0.84011	0.87488	0.82502	131.92842	62.86665	193.55215	16.49105	15.16442	24.19402	1.62E-07	3.8E-05	4.75E-06	5E-11	1.51E-10	1.19E-10	8.66E-14	2.09E-12	1.15446E-13	2.29341E-12	1.622E-07	3.8034E-05	4.75465E-06	5.11775E-11	3.50054E-13	2.55443E-11	5.8241E-14
548	571350.6	4178599	0.55, 41785	0.73896	0.77159	0.73066	149.85158	58.69155	153.82017	22.55392	13.49962	22.49489	1.44E-07	3.02E-05	4.42E-06	4.43E-11	1.34E-10	1.06E-10	7.67E-14	1.85E-12	1.02242E-13	2.0311E-12	1.436E-07	3.0227E-05	4.42112E-06	4.53241E-11	3.10017E-13	2.26227E-11	5.15798E-14
549	571390.6	4178599	0.55, 41785	0.661	0.68563	0.66671	168.50279	56.32456	235.09945	24.41155	12.10471	32.40344	1.31E-07	4.62E-05	6.37E-06	4.04E-11	1.22E-10	9.64E-11	7E-14	1.69E-12	9.32924E-14	1.85332E-12	1.31E-07	4.6197E-05	6.3681E-06	4.13569E-11	2.82881E-13	2.06425E-11	4.7065E-14
550	571430.6	4178599	0.55, 41785	0.59511	0.61204	0.61151	136.17098	51.76249	171.68803	20.03651	10.61326	24.28892	1.2E-07	3.37E-05	4.77E-06	3.71E-11	1.12E-10	8.85E-11	6.42E-14	1.55E-12	8.55676E-14	1.69986E-12	1.202E-07	3.3737E-05	4.77348E-06	3.79325E-11	2.59458E-13	1.89333E-11	4.31679E-14
551	571470.6	4178599	0.55, 41785	0.53051	0.54561	0.54811	117.9441	47.17442	154.11151	16.84916	9.40387	22.01593	1.08E-07	3.03E-05	4.33E-06	3.32E-11	1E-10	7.93E-11	5.75E-14	1.39E-12	7.66961E-14	1.52362E-12	1.077E-07	3.0283E-05	4.3267E-06	3.39997E-11	2.32558E-13	1.69703E-11	3.86923E-14
552	571510.6	4178599	0.55, 41785	0.47218	0.48877	0.48576	120.07824	45.51387	145.12306	16.38718	8.49605	19.65912	9.55E-08	2.85E-05	3.86E-06	2.95E-11	8.9E-11	7.03E-11	5.1E-14	1.23E-12	6.79717E-14	1.35031E-12	9.547E-08	2.8517E-05	3.8636E-06	3.01321E-11	2.06104E-13	1.50399E-11	3.4291E-14
553	571550.6	4178599	0.55, 41785	0.42043	0.43954	0.43052	119.99429	43.92883	151.34582	16.43506	7.56489	20.5622	8.46E-08	2.97E-05	4.04E-06	2.61E-11	7.88E-11	6.23E-11	4.52E-14	1.09E-12	6.02423E-14	1.19676E-12	8.461E-08	2.974E-05	4.04105E-06	2.67056E-11	1.82667E-13	1.33296E-11	3.03916E-14
554	571590.6	4178599	0.55, 41785	0.37632	0.39688	0.38556	100.33698	42.40478	116.86516	13.86046	7.00095	16.11187	7.58E-08	2.3E-05	3.17E-06	2.34E-11	7.06E-11	5.58E-11	4.05E-14	9.77E-13	5.39512E-14	1.07178E-12	7.578E-08	2.2965E-05	3.16648E-06	2.39168E-11	1.63591E-13	1.19376E-11	2.72178E-14
555	570310.6	4178639	0.55, 41786	0.10356	0.08559	0.09711	83.92303	29.66661	96.15389	10.49038	3.70833	12.01924	1.91E-08	1.89E-05	2.36E-06	5.89E-12	1.78E-11	1.4E-11	1.02E-14	2.46E-13	1.35881E-14	2.69937E-13	1.909E-08	1.8895E-05	2.36216E-06	6.02365E-12	4.12018E-14	3.0066E-12	6.85504E-15
556	570350.6	4178639	0.55, 41786	0.1161	0.09716	0.10841	92.63397	32.60646	103.61771	11.57925	4.08084	12.95221	2.13E-08	2.04E-05	2.55E-06	6.57E-12	1.99E-11	1.57E-11	1.14E-14	2.75E-13	1.51693E-14	3.01349E-13	2.131E-08	2.0361E-05	2.54554E-06	6.7246E-12	4.59963E-14	3.35647E-12	7.65274E-15
557	570390.6	4178639	0.55, 41786	0.13068	0.11086	0.1215	100.54346	34.97331	116.66288	12.56793	4.70976	14.58286	2.39E-08	2.29E-05	2.87E-06	7.37E-12	2.22E-11	1.76E-11	1.28E-14	3.08E-13	1.7001E-14	3.37736E-13	2.388E-08	2.2925E-05	2.86599E-06	7.5366E-12	5.15503E-14	3.76176E-12	8.57681E-15
558	570430.6	4178639	0.55, 41786	0.14929	0.12834	0.13819	107.49924	37.52244	130.89362	13.4374	5.36035	16.3617	2.72E-08	2.57E-05	3.22E-06	8.38E-12	2.53E-11	2E-11	1.45E-14	3.5E-13	1.93364E-14	3.84132E-13	2.716E-08	2.5721E-05	3.21555E-06	8.57191E-12	5.86319E-14	4.27851E-12	9.75501E-15
559	570470.6	4178639	0.55, 41786	0.17443	0.15183	0.16061	116.62505	42.4162	145.19757	14.57813	6.05946	18.1497	3.16E-08	2.85E-05	3.57E-06	9.74E-12	2.94E-11	2.32E-11	1.69E-14	4.07E-13	2.24737E-14	4.46455E-13	3.157E-08	2.8532E-05	3.56693E-06	9.96266E-12	6.81446E-14	4.97268E-12	1.13377E-14
560	570510.6	4178639	0.55, 41786	0.20768	0.18277	0.19013	127.00459	48.18252	156.06863	15.87557	6.71257	19.50858	3.74E-08	3.07E-05	3.83E-06	1.15E-11	3.48E-11	2.75E-11	2E-14	4.82E-13	2.66044E-14	5.28516E-13	3.737E-08	3.0668E-05	3.83399E-06	1.17938E-11	8.06699E-14	5.88668E-12	1.34216E-14
561	570550.6	4178639	0.55, 41786	0.2504	0.22269	0.22841	148.76746	59.99627	172.72318	18.59593	7.58374	21.5904	4.49E-08	3.39E-05	4.24E-06	1.39E-11	4.18E-11	3.3E-11	2.4E-14	5.79E-13	3.1961E-14	6.34927E-13	4.489E-08	3.3941E-05	4.24319E-06	1.41684E-11	9.6912E-14	7.07191E-12	1.6124E-14
562	570590.6	4178639	0.55, 41786	0.30521	0.27478	0.27907	162.38276	69.4472	222.88998	20.29784	10.74133	27.86125	5.48E-08	4.38E-05	5.48E-06	1.69E-11	5.11E-11	4.04E-11	2.93E-14	7.07E-13	3.90498E-14	7.75752E-13	5.485E-08	4.3799E-05	5.47541E-06	1.73109E-11	1.18407E-13	8.64044E-12	1.97002E-14
563	570630.6	4178639	0.55, 41786	0.37839	0.34592	0.35098	177.15033	78.68271	266.26636	23.7109	14.16715	33.28329	6.9E-08	5.23E-05	6.54E-06	2.13E-11	6.43E-11	5.08E-11	3.68E-14	8.9E-13	4.9112E-14	9.75645E-13	6.898E-08	5.2322E-05	6.54094E-06	2.17716E-11	1.48917E-13	1.08669E-11	2.47765E-14
564	570670.6	4178639	0.55, 41786	0.47152	0.44129	0.44999	194.04584	86.02037	313.51443	27.72083	17.24466	39.1893	8.84E-08	6.16E-05	7.7E-06	2.73E-11	8.24E-11	6.51E-11	4.72E-14	1.14E-12	6.29662E-14	1.25087E-12	8.844E-08	6.1606E-05	7.7016E-06	2.79132E-11	1.90926E-13	1.39324E-11	3.17658E-14
565	570710.6	4178639	0.55, 41786	0.59058	0.57043	0.57865	207.44684	93.90742	372.29223	29.63526	21.88085	53.1846	1.14E-07	7.32E-05	1.05E-05	3.51E-11	1.06E-10	8.37E-11	6.07E-14	1.47E-12	8.09694E-14	1.60851E-12	1.137E-07	7.3155E-05	1.04516E-05	3.5894E-11	2.45515E-13	1.79159E-11	4.08482E-14
566	570750.6	4178639	0.55, 41786	0.7421	0.74424	0.7234	219.27007	107.04803	379.32522	31.3243	27.05481	52.15596	1.42E-07	7.45E-05	1.02E-05	4.39E-11	1.32E-10	1.05E-10	7.59E-14	1.83E-12	1.01225E-13	2.01091E-12	1.422E-07	7.4538E-05	1.02495E-05	4.48735E-11	3.06934E-13	2.23978E-11	5.10669E-14
567	570790.6	4178639	0.55, 41786	0.94425	0.97087	0.85006	237.37937	117.94026	412.19598	33.01145	30.70173	55.76703	1.67E-07	8.1E-05	1.1E-05	5.16E-11	1.56E-10	1.23E-10	8.92E-14	2.15E-12	1.18952E-13	2.36307E-12	1.671E-07	8.0997E-05	1.09592E-05	5.27319E-11	3.60687E-13	2.63202E-11	6.00101E-14
568	570830.6	4178639	0.55, 41786	1.23329	1.33292	0.96284	295.25944	130.22679	473.13116	42.69044	39.99654	61.26658	1.89E-07	9.3E-05	1.2E-05	5.84E-11	1.76E-10	1.39E-10	1.01E-13	2.44E-12	1.34743E-13	2.67676E-12	1.893E-07	9.2971E-05	1.20403E-05	5.97319E-11	4.08566E-13	2.98141E-11	6.79762E-14
569	570870.6	4178639	0.55, 41786	1.50989	1.73214	1.20169	317.24906	188.19869	615.93486	58.25942	53.82297	76.99186	2.36E-07	0.000121	1.51E-05	7.29E-11	2.2E-10	1.74E-10	1.26E-13	3.05E-12	1.6817E-13	3.34082E-12	2.362E-07	0.00012103	1.51309E-05	7.45505E-11	5.09925E-13	3.72105E-11	8.484E-14
570	570910.6	4178639	0.55, 41786	1.78259	1.99297	1.30656	332.58479	179.86407	638.76492	63.94152	52.98497	79.84561	2.57E-07	0.000126	1.57E-05	7.93E-11	2.39E-10	1.89E-10	1.37E-13	3.31E-12	1.82851E-13	3.63245E-12	2.568E-07	0.00012552	1.56919E-05	8.10583E-11	5.54439E-13	4.04588E-11	9.22461E-14
571	570950.6	4178639	0.55, 41786	1.86524	1.94862	1.2876	326.77204	147.92341	425.10208	57.64661	41.4452	82.66786	2.53E-07	8.35E-05	1.62E-05	7.81E-11	2.36E-10	1.86E-10	1.35E-13	3.26E-12	1.80197E-13	3.57974E-12	2.531E-07	8.3535E-05	1.62461E-05	7.9882E-11	5.46393E-13	3.98717E-11	9.09074E-14
572	570990.6	4178639	0.55, 41786	1.76592	1.78245	1.25006	311.73236	122.31574	573.48464	43.80696	33.57582	91.70195	2.46E-07	0.000113	1.8E-05	7.58E-11	2.29E-10	1.81E-10	1.31E-13	3.17E-12	1.74939E-13	3.47529E-12	2.457E-07	0.00011269	1.80204E-05	7.75513E-11	5.30451E-13	3.87083E-11	8.8255E-14
573	571030.6	4178639	0.55, 41786	1.5977	1.58915	1.17717	263.38378	106.70114	334.97263	40.88022	26.80487	57.79917	2.31E-07	6.58E-05	1.14E-05	7.14E-11	2.16E-10	1.7E-10	1.24E-13	2.98E-12	1.64735E-13	3.27259E-12	2.314E-07	6.5824E-05	1.13589E-05	7.30279E-11	4.99511E-13	3.64505E-11	8.31072E-14
574	571070.6	4178639	0.55, 41786	1.42629	1.41473	1.18099	323.91584	92.06505	516.79706	44.84431	24.93328	64.76299	2.32E-07	0.000102	1.27E-05	7.16E-11	2.16E-10	1.71E-10	1.24E-13	2.99E-12	1.65263E-13	3.28307E-12	2.321E-07	0.00010155	1.27274E-05	7.32618E-11	5.01111E-13	3.65673E-11	8.33735E-14
575	571110.6	4178639	0.55, 41786	1.27265	1.25146	1.07066	231.49813	85.11921	353.08688	34.4516	22.95032	48.16161	2.1E-07	6.94E-05	9.46E-06	6.49E-11	1.96E-10	1.55E-10	1.12E-13	2.71E-12	1.49823E-13	2.97634E-12	2.104E-07	6.9382E-05	9.46488E-06	6.64171E-11	4.54293E-13	3.31509E-11	7.5584E-14
576	571150.6	4178639	0.55, 41786	1.10067	1.1079	0.9372	235.36335	78.49538	345.02109	33.92291	20.75102	48.66179	1.84E-07	6.78E-05	9.56E-06	5.68E-11	1.72E-10	1.36E-10	9.84E-14	2.38E-12	1.31148E-13	2.60534E-12	1.842E-07	6.7796E-05	9.56313E-06	5.81382E-11	3.97665E-13	2.90186E-11	6.61625E-14
577	571190.6	4178639	0.55, 41786	0.96404	0.98605	0.85109	150.10185	73.9658	197.92558	22.00887	18.66835	28.93746	1.67E-07	3.89E-05	5.69E-06	5.16E-11	1.56E-10	1.23E-10	8.93E-14	2.16E-12	1.19097E-13	2.36594E-12	1.673E-07	3.8894E-05	5.68696E-06	5.27961E-11	3.61125E-13	2.63522E-11	6.0083E-14
578	571230.6	4178639	0.55, 41786	0.85847	0.87787	0.78438	130.71922	65.23747	181.52397	20.98447	16.26127	28.21366	1.54E-07	3.57E-05	5.54E-06	4.76E-11	1.44E-10	1.13E-10	8.23E-14	1.99E-12	1.09761E-13	2.18047E-12	1.542E-07	3.5671E-05	5.54469E-06	4.86573E-11	3.32816E-13	2.42864E-11	5.5373E-14
579	571270.6	4178639	0.55, 41786	0.76521	0.78388	0.72231	147.71702	61.52416	210.17535	22.46264	14.29709	35.02922	1.42E-07	4.13E-05	6.88E-06	4.38E-11	1.32E-10	1.04E-10	7.58E-14	1.83E-12	1.01074E-13	2.00791E-12	1.42E-07	4.13E-05	6.88392E-06	4.48065E-11	3.06477E-13	2.23644E-11	5.09907E-14
580	571310.6	4178639	0.55, 41786	0.67814	0.70066	0.65218	136.41117	59.8434	199.34802	17.34958	13.40052	24.9185	1.28E-07	3.92E-05	4.9E-06	3.96E-11	1.19E-10	9.43E-11	6.84E-14	1.65E-12	9.12603E-14	1.81295E-12	1.282E-07	3.9172E-05	4.89704E-06	4.04561E-11	2.76719E-13	2.01929E-11	4.60398E-14
581	571350.6	4178639	0.55, 41786	0.60279	0.6273	0.58324	124.67819	56.4143	162.56927	15.58477	12.33978	20.32116	1.15E-07	3.19E-05	3.99E-06	3.54E-11	1.07E-10	8.44E-11	6.12E-14	1.48E-12	8.16135E-14	1.62131E-12	1.146E-07	3.1946E-05	3.99364E-06	3.61796E-11	2.47468E-13	1.80584E-11	4.11731E-14
582	571390.6	4178639	0.55, 41786	0.54567	0.56561	0.53406	134.64293	53.30447	146.45838	19.4501	11.04071	20.47738	1.05E-07	2.88E-05	4.02E-06	3.24E-11	9.78E-11	7.73E-11	5.6E-14	1.35E-12	7.47314E-14	1.48459E-12	1.05E-07	2.878E-05	4.02454E-06	3.31287E-11	2.266E-13	1.65356E-11	3.77011E-14
583	571430.6	4178639	0.55, 41786	0.50035	0.51255	0.49968	147.79016	50.85435	197.85336	20.77571	9.97795	26.64502	9.82E-08	3.89E-05	5.24E-06	3.03E-11	9.15E-11	7.23E-11	5.24E-14	1.27E-12	6.99199E-14	1.38901E-12	9.821E-08	3.8878E-05	5.23646E-06	3.09958E-11	2.12011E-13	1.5471E-11	3.52738E-14
584	571470.6	4178639	0.55, 41786	0.45884	0.46513	0.46599	118.76181	47.03177	145.5886	16.94782	8.9119	19.9832	9.16E-08	2.86E-05	3.93E-06	2.83E-11	8.53E-11	6.74E-11	4.89E-14	1.18E-12	6.52052E-14	1.29535E-12	9.158E-08	2.8609E-05	3.92731E-06	2.89057E-11	1.97715E-13	1.44278E-11	3.28953E-14
585	571510.6	4178639	0.55, 41786	0.41516	0.4204	0.42431	105.04191	43.02213	132.76114	15.00599	7.61313	18.96588	8.34E-08	2.61E-05	3.73E-06	2.57E-11	7.77E-11	6.14E-11	4.45E-14	1.08E-12	5.93729E-14	1.17948E-12	8.339E-08	2.6088E-05	3.72732E-06	2.63202E-11	1.8003E-13	1.31373E-11	2.9953E-14
586	571550.6	4178639	0.55, 41786	0.37489	0.38245	0.3824	101.59712	41.64808	125.74417	13.25702	7.0054	15.71802	7.52E-08	2.47E-05	3.09E-06	2.32E-11	7E-11	5.53E-11	4.01E-14	9.69E-13	5.35086E-14	1.06299E-12	7.516E-08	2.4709E-05	3.08907E-06	2.37206E-11	1.62249E-13	1.18397E-11	2.69945E-14
587	571590.6	4178639	0.55, 41786	0.33863	0.34937	0.34405	106.83121	40.48294	130.44071	14.45913	6.53587	17.55635	6.76E-08	2.56E-05	3.45E-06	2.09E-11	6.3E-11	4.98E-11	3.61E-14	8.72E-13	4.81426E-14	9.56386E-13	6.762E-08	2.5632E-05	3.45034E-06	2.13418E-11	1.45978E-13	1.06524E-11	2.42874E-14
588	570310.6	4178679	0.55, 41786	0.10291	0.0869	0.09701	88.39628	30.98258	103.31105	11.04953	4.21243	12.91388	1.91E-08	2.03E-05	2.54E-06	5.88E-12	1.78E-11	1.4E-11	1.02E-14	2.46E-13	1.35741E-14	2.6966E-13	1.907E-08	2.0301E-05	2.53798E-06	6.01747E-12	4.11595E-14	3.00351E-12	6.848E-15
589	570350.6	4178679	0.55, 41786	0.11574	0.09888	0.10892	93.23081	33.32166	112.3331	11.65385	4.76024	14.04164	2.14E-08	2.21E-05	2.76E-06	6.61E-12	1.99E-11	1.58E-11	1.14E-14	2.76E-13	1.52407E-14	3.02767E-13	2.141E-08	2.2074E-05	2.7596E-06	6.75626E-12	4.62128E-14	3.37226E-12	7.68876E-15
590	570390.6	4178679	0.55, 41786	0.13137	0.11361	0.12342	99.39798	36.831	119.21549	12.42475	5.26157	14.90194	2.43E-08	2.34E-05	2.93E-06	7.49E-12	2.26E-11	1.79E-11	1.3E-14	3.13E-13	1.72697E-14	3.43074E-13	2.426E-08	2.3426E-05	2.92867E-06	7.65571E-12	5.23651E-14	3.82121E-12	8.71236E-15
591	570430.6	4178679	0.55, 41786	0.15074	0.13191	0.14135	105.99103	39.73692	126.723	13.24888	5.6767	15.84037	2.78E-08	2.49E-05	3.11E-06	8.57E-12	2.59E-11	2.04E-11	1.48E-14	3.58E-13	1.97786E-14	3.92916E-13	2.778E-08	2.4902E-05	3.11311E-06	8.76793E-12	5.99727E-14	4.37635E-12	9.97809E-15
592	570470.6	4178679	0.55, 41786	0.17494	0.15487	0.16378	121.69462	47.75873	135.7735	15.21183	5.96984	16.97169	3.22E-08	2.67E-05	3.34E-06	9.93E-12	3E-11	2.37E-11	1.72E-14	4.15E-13	2.29172E-14	4.55267E-13	3.219E-08	2.668E-05	3.3355E-06	1.01593E-11	6.94896E-14	5.07083E-12	1.15615E-14
593	570510.6	4178679	0.55, 41786	0.2057	0.18414	0.19253	135.37794	56.46386	170.3708	16.92224	7.12807	21.29635	3.78E-08	3.35E-05	4.19E-06	1.17E-11	3.53E-11	2.78E-11	2.02E-14	4.88E-13	2.69402E-14	5.35186E-13	3.784E-08	3.3479E-05	4.18532E-06	1.19427E-11	8.1688E-14	5.96098E-12	1.3591E-14
594	570550.6	4178679	0.55, 41786	0.2434	0.22078	0.22908	142.10791	62.60325	200.29273	17.76349	9.55219	25.03659	4.5E-08	3.94E-05	4.92E-06	1.39E-11	4.19E-11	3.31E-11	2.4E-14	5.81E-13	3.20546E-14	6.36787E-13	4.502E-08	3.9358E-05	4.92027E-06	1.42099E-11	9.71959E-14	7.09263E-12	1.61712E-14
595	570590.6	4178679	0.55, 41786	0.29132	0.2684	0.27784	157.44437	70.02377	210.9671	21.20731	12.01595	26.37089	5.46E-08	4.15E-05	5.18E-06	1.69E-11	5.09E-11	4.02E-11	2.92E-14	7.04E-13	3.88775E-14	7.72328E-13	5.461E-08	4.1456E-05	5.18262E-06	1.72345E-11	1.17884E-13	8.6023E-12	1.96133E-14
596	570630.6	4178679	0.55, 41786	0.34871	0.32823	0.33909	170.78411	74.6949	263.98396	24.39773	14.09383	33.40233	6.66E-08	5.19E-05	6.56E-06	2.06E-11	6.21E-11	4.9E-11	3.56E-14	8.6E-13	4.7448E-14	9.42588E-13	6.664E-08	5.1873E-05	6.56436E-06	2.10339E-11	1.43872E-13	1.04987E-11	2.3937E-14
597	570670.6	4178679	0.55, 41786	0.41782	0.40379	0.41108	181.29369	80.27499	295.25985	25.8991	15.99045	42.12286	8.08E-08	5.8E-05	8.28E-06	2.49E-11	7.53E-11	5.95E-11	4.31E-14	1.04E-12	5.75216E-14	1.14271E-12	8.079E-08	5.8019E-05	8.2779E-06	2.54995E-11	1.74417E-13	1.27276E-11	2.9019E-14
598	570710.6	4178679	0.55, 41786	0.49876	0.49687	0.48618	185.88712	90.92914	287.65142	26.5553	19.21501	39.31628	9.56E-08	5.65E-05	7.73E-06	2.95E-11	8.9E-11	7.03E-11	5.1E-14	1.23E-12	6.80309E-14	1.35148E-12	9.555E-08	5.6525E-05	7.72648E-06	3.01583E-11	2.06283E-13	1.5053E-11	3.43208E-14
599	570750.6	4178679	0.55, 41786	0.59336	0.60818	0.55751	195.07014	97.11431	330.72411	27.40212	20.89244	45.57898	1.1E-07	6.5E-05	8.96E-06	3.38E-11	1.02E-10	8.06E-11	5.85E-14	1.41E-12	7.80134E-14	1.54979E-12	1.096E-07	6.4988E-05	8.95705E-06	3.45837E-11	2.36552E-13	1.72618E-11	3.93569E-14
600	570790.6	4178679	0.55, 41786	0.71288	0.74367	0.61675	232.56486	100.08812	327.08033	29.70634	25.09865	40.88504	1.21E-07	6.43E-05	8.03E-06	3.74E-11	1.13E-10	8.92E-11	6.47E-14	1.56E-12	8.63057E-14	1.71452E-12	1.212E-07	6.4272E-05	8.03489E-06	3.82596E-11	2.61696E-13	1.90966E-11	4.35403E-14
601	570830.6	4178679	0.55, 41786	0.82835	0.8948	0.66469	250.25968	113.32691	367.70207	36.36599	33.16876	46.21837	1.31E-07	7.23E-05	9.08E-06	4.03E-11	1.22E-10	9.62E-11	6.98E-14	1.69E-12	9.30177E-14	1.84786E-12	1.306E-07	7.2255E-05	9.08317E-06	4.12351E-11	2.82048E-13	2.05817E-11	4.69264E-14
602	570870.6	4178679	0.55, 41786	0.92801	1.04065	0.83445	269.45277	158.88347	492.55659	39.41339	35.15016	62.53118	1.64E-07	9.68E-05	1.23E-05	5.06E-11	1.53E-10	1.21E-10	8.76E-14	2.12E-12	1.16771E-13	2.31973E-12	1.64E-07	9.6789E-05	1.22885E-05	5.1765E-11	3.54072E-13	2.58375E-11	5.89096E-14
603	570910.6	4178679	0.55, 41786	1.03394	1.13081	0.83809	259.70616	144.94226	471.11442	42.20689	35.5523	58.8893	1.65E-07	9.26E-05	1.16E-05	5.08E-11	1.53E-10	1.21E-10	8.8E-14	2.12E-12	1.17284E-13	2.32992E-12	1.647E-07	9.2575E-05	1.15731E-05	5.19922E-11	3.55627E-13	2.5951E-11	5.91683E-14
604	570950.6	4178679	0.55, 41786	1.05684	1.13643	0.82319	242.80014	123.49716	418.67106	39.92153	30.15323	58.18912	1.62E-07	8.23E-05	1.14E-05	4.99E-11	1.51E-10	1.19E-10	8.64E-14	2.09E-12	1.15199E-13	2.28852E-12	1.618E-07	8.227E-05	1.14354E-05	5.10684E-11	3.49308E-13	2.54899E-11	5.81169E-14
605	570990.6	4178679	0.55, 41786	1.01802	1.09421	0.82722	255.86386	105.93706	407.98363	37.15781	26.85338	67.99727	1.63E-07	8.02E-05	1.34E-05	5.02E-11	1.51E-10	1.2E-10	8.68E-14	2.1E-12	1.15762E-13	2.29969E-12	1.626E-07	8.0169E-05	1.33624E-05	5.13176E-11	3.51012E-13	2.56142E-11	5.84005E-14
606	571030.6	4178679	0.55, 41786	0.98373	1.03259	0.8073	224.24787	96.85684	406.17161	32.03518	21.71644	50.77145	1.59E-07	7.98E-05	9.98E-06	4.9E-11	1.48E-10	1.17E-10	8.47E-14	2.05E-12	1.12973E-13	2.24428E-12	1.587E-07	7.9812E-05	9.97754E-06	5.00812E-11	3.42556E-13	2.49972E-11	5.69935E-14
607	571070.6	4178679	0.55, 41786	0.92088	0.95493	0.77727	234.21131	81.25508	306.97474	29.84103	18.74017	38.37184	1.53E-07	6.03E-05	7.54E-06	4.71E-11	1.42E-10	1.12E-10	8.16E-14	1.97E-12	1.08769E-13	2.16077E-12	1.528E-07	6.0321E-05	7.54109E-06	4.82177E-11	3.29809E-13	2.4067E-11	5.48727E-14
608	571110.6	4178679	0.55, 41786	0.85296	0.87816	0.75636	249.82687	76.90023	376.11255	32.83771	18.41049	47.06858	1.49E-07	7.39E-05	9.25E-06	4.59E-11	1.39E-10	1.09E-10	7.94E-14	1.92E-12	1.05841E-13	2.1026E-12	1.487E-07	7.3905E-05	9.25003E-06	4.69197E-11	3.20931E-13	2.34191E-11	5.33956E-14
609	571150.6	4178679	0.55, 41786	0.78449	0.80428	0.7091	184.12399	71.8753	265.86204	26.94504	17.68151	37.98029	1.39E-07	5.22E-05	7.46E-06	4.3E-11	1.3E-10	1.03E-10	7.44E-14	1.8E-12	9.92269E-14	1.97121E-12	1.394E-07	5.2242E-05	7.464E-06	4.39877E-11	3.00876E-13	2.19556E-11	5.00589E-14
610	571190.6	4178679	0.55, 41786	0.70872	0.73542	0.64227	192.12547	69.23049	267.93218	27.25383	16.04767	37.1098	1.26E-07	5.26E-05	7.29E-06	3.9E-11	1.18E-10	9.29E-11	6.74E-14	1.63E-12	8.98754E-14	1.78544E-12	1.262E-07	5.2649E-05	7.29298E-06	3.98421E-11	2.7252E-13	1.98865E-11	4.53411E-14
611	571230.6	4178679	0.55, 41786	0.64141	0.6715	0.58509	152.95792	62.82263	210.7281	21.78847	14.44714	29.62503	1.15E-07	4.14E-05	5.82E-06	3.55E-11	1.07E-10	8.46E-11	6.14E-14	1.48E-12	8.1874E-14	1.62648E-12	1.15E-07	4.1409E-05	5.82204E-06	3.6295E-11	2.48258E-13	1.8116E-11	4.13045E-14
612	571270.6	4178679	0.55, 41786	0.5854	0.61191	0.54631	124.65244	57.66905	171.62004	20.54509	12.75642	28.60334	1.07E-07	3.37E-05	5.62E-06	3.31E-11	1E-10	7.9E-11	5.73E-14	1.38E-12	7.64468E-14	1.51867E-12	1.074E-07	3.3724E-05	5.62123E-06	3.38891E-11	2.31802E-13	1.69152E-11	3.85665E-14
613	571310.6	4178679	0.55, 41786	0.53447	0.5582	0.50849	125.80787	55.1913	171.33448	17.97255	11.70277	24.47635	9.99E-08	3.37E-05	4.81E-06	3.08E-11	9.31E-11	7.36E-11	5.34E-14	1.29E-12	7.11541E-14	1.41353E-12	9.994E-08	3.3668E-05	4.8102E-06	3.15429E-11	2.15753E-13	1.57441E-11	3.58964E-14
614	571350.6	4178679	0.55, 41786	0.48504	0.50906	0.46427	111.39997	53.56601	157.83086	13.925	11.19981	19.72886	9.12E-08	3.1E-05	3.88E-06	2.82E-11	8.5E-11	6.72E-11	4.87E-14	1.18E-12	6.49662E-14	1.2906E-12	9.125E-08	3.1015E-05	3.87717E-06	2.87998E-11	1.9699E-13	1.43749E-11	3.27748E-14
615	571390.6	4178679	0.55, 41786	0.44312	0.4655	0.42576	107.51836	51.27371	117.14548	13.43979	10.40254	14.64318	8.37E-08	2.3E-05	2.88E-06	2.58E-11	7.8E-11	6.16E-11	4.47E-14	1.08E-12	5.95774E-14	1.18355E-12	8.368E-08	2.302E-05	2.87789E-06	2.64109E-11	1.8065E-13	1.31825E-11	3.00561E-14
616	571430.6	4178679	0.55, 41786	0.41031	0.42684	0.39928	122.12368	48.88835	136.65658	17.23844	9.36082	18.91196	7.85E-08	2.69E-05	3.72E-06	2.42E-11	7.31E-11	5.78E-11	4.19E-14	1.01E-12	5.58716E-14	1.10993E-12	7.848E-08	2.6854E-05	3.71684E-06	2.47681E-11	1.69414E-13	1.23626E-11	2.81866E-14
617	571470.6	4178679	0.55, 41786	0.38401	0.39267	0.38101	130.83453	46.56818	169.29762	18.03085	8.50414	22.62935	7.49E-08	3.33E-05	4.45E-06	2.31E-11	6.98E-11	5.51E-11	4E-14	9.66E-13	5.33146E-14	1.05913E-12	7.488E-08	3.3267E-05	4.44729E-06	2.36346E-11	1.6166E-13	1.17968E-11	2.68966E-14
618	571510.6	4178679	0.55, 41786	0.35733	0.36026	0.36021	104.69184	43.30646	125.50481	14.57371	7.68103	16.95061	7.08E-08	2.47E-05	3.33E-06	2.18E-11	6.6E-11	5.21E-11	3.78E-14	9.13E-13	5.04036E-14	1.0013E-12	7.08E-08	2.4662E-05	3.33132E-06	2.23441E-11	1.52834E-13	1.11527E-11	2.54281E-14
619	571550.6	4178679	0.55, 41786	0.32923	0.33046	0.33426	93.91251	40.06683	115.0705	13.41607	6.60436	16.43864	6.57E-08	2.26E-05	3.23E-06	2.03E-11	6.12E-11	4.83E-11	3.51E-14	8.47E-13	4.67724E-14	9.29166E-13	6.569E-08	2.2612E-05	3.23067E-06	2.07344E-11	1.41823E-13	1.03492E-11	2.35961E-14
620	571590.6	4178679	0.55, 41786	0.30119	0.30402	0.3057	90.51235	37.8645	108.48539	11.49242	5.95997	13.56067	6.01E-08	2.13E-05	2.67E-06	1.85E-11	5.6E-11	4.42E-11	3.21E-14	7.75E-13	4.27761E-14	8.49777E-13	6.008E-08	2.1318E-05	2.66508E-06	1.89628E-11	1.29706E-13	9.46494E-12	2.15801E-14
621	570310.6	4178719	0.55, 41787	0.10285	0.08839	0.09803	86.08959	31.99227	98.88317	10.7612	4.57032	12.3604	1.93E-08	1.94E-05	2.43E-06	5.95E-12	1.8E-11	1.42E-11	1.03E-14	2.48E-13	1.37169E-14	2.72495E-13	1.927E-08	1.9431E-05	2.42921E-06	6.08074E-12	4.15923E-14	3.03509E-12	6.92001E-15
622	570350.6	4178719	0.55, 41787	0.11563	0.10049	0.11012	90.6137	34.18211	105.82439	11.32671	4.88316	13.22805	2.16E-08	2.08E-05	2.6E-06	6.68E-12	2.02E-11	1.59E-11	1.16E-14	2.79E-13	1.54086E-14	3.06103E-13	2.164E-08	2.0795E-05	2.59972E-06	6.8307E-12	4.6722E-14	3.40942E-12	7.77348E-15
623	570390.6	4178719	0.55, 41787	0.13114	0.11521	0.12472	102.01088	38.97546	110.90458	12.75136	5.08393	13.86307	2.45E-08	2.18E-05	2.72E-06	7.56E-12	2.28E-11	1.8E-11	1.31E-14	3.16E-13	1.74516E-14	3.46688E-13	2.451E-08	2.1794E-05	2.72457E-06	7.73635E-12	5.29167E-14	3.86146E-12	8.80413E-15
624	570430.6	4178719	0.55, 41787	0.15	0.13322	0.1425	114.28488	46.41789	135.81295	14.28561	5.80224	16.97662	2.8E-08	2.67E-05	3.34E-06	8.64E-12	2.61E-11	2.06E-11	1.5E-14	3.61E-13	1.99395E-14	3.96113E-13	2.801E-08	2.6688E-05	3.33642E-06	8.83927E-12	6.04606E-14	4.41196E-12	1.00593E-14
625	570470.6	4178719	0.55, 41787	0.17288	0.1553	0.16447	122.16306	52.59309	158.80652	15.27038	6.67803	19.85082	3.23E-08	3.12E-05	3.9E-06	9.97E-12	3.01E-11	2.38E-11	1.73E-14	4.17E-13	2.30138E-14	4.57185E-13	3.232E-08	3.1206E-05	3.90121E-06	1.02021E-11	6.97823E-14	5.09219E-12	1.16102E-14
626	570510.6	4178719	0.55, 41787	0.1999	0.18201	0.19124	126.87173	56.8638	170.00598	15.85897	8.56143	21.25075	3.76E-08	3.34E-05	4.18E-06	1.16E-11	3.5E-11	2.77E-11	2.01E-14	4.85E-13	2.67596E-14	5.31599E-13	3.759E-08	3.3407E-05	4.1763E-06	1.18627E-11	8.11405E-14	5.92103E-12	1.34999E-14
627	570550.6	4178719	0.55, 41787	0.2328	0.21534	0.22528	141.7684	62.68438	190.3461	19.27806	10.36338	23.79326	4.43E-08	3.74E-05	4.68E-06	1.37E-11	4.13E-11	3.26E-11	2.36E-14	5.71E-13	3.15228E-14	6.26222E-13	4.428E-08	3.7404E-05	4.67605E-06	1.39742E-11	9.55833E-14	6.97495E-12	1.59029E-14
628	570590.6	4178719	0.55, 41787	0.2704	0.25529	0.2651	152.6333	65.86327	220.26265	21.80476	11.76563	29.62209	5.21E-08	4.33E-05	5.82E-06	1.61E-11	4.85E-11	3.83E-11	2.78E-14	6.72E-13	3.70947E-14	7.36913E-13	5.21E-08	4.3282E-05	5.82147E-06	1.64442E-11	1.12479E-13	8.20784E-12	1.87139E-14
629	570630.6	4178719	0.55, 41787	0.31352	0.30328	0.30884	160.25221	70.5161	243.59554	22.89317	12.52474	34.32359	6.07E-08	4.79E-05	6.75E-06	1.87E-11	5.66E-11	4.47E-11	3.24E-14	7.83E-13	4.32153E-14	8.58503E-13	6.07E-08	4.7867E-05	6.7453E-06	1.91575E-11	1.31037E-13	9.56213E-12	2.18017E-14
630	570670.6	4178719	0.55, 41787	0.36149	0.3594	0.35242	159.13882	79.23774	228.99362	22.73412	14.05012	31.24302	6.93E-08	4.5E-05	6.14E-06	2.14E-11	6.45E-11	5.1E-11	3.7E-14	8.93E-13	4.93139E-14	9.79655E-13	6.926E-08	4.4998E-05	6.14E-06	2.1861E-11	1.49529E-13	1.09115E-11	2.48783E-14
631	570710.6	4178719	0.55, 41787	0.41184	0.42167	0.39325	168.39934	82.78202	268.08178	23.84947	15.22445	37.49142	7.73E-08	5.27E-05	7.37E-06	2.39E-11	7.2E-11	5.69E-11	4.13E-14	9.97E-13	5.50279E-14	1.09317E-12	7.729E-08	5.2679E-05	7.36778E-06	2.43941E-11	1.66856E-13	1.21759E-11	2.7761E-14
632	570750.6	4178719	0.55, 41787	0.46631	0.48852	0.43046	193.26616	81.97611	266.60906	24.83922	16.78199	33.32613	8.46E-08	5.24E-05	6.55E-06	2.61E-11	7.88E-11	6.23E-11	4.52E-14	1.09E-12	6.02358E-14	1.19663E-12	8.461E-08	5.239E-05	6.54942E-06	2.67027E-11	1.82647E-13	1.33282E-11	3.03883E-14
633	570790.6	4178719	0.55, 41787	0.5297	0.5627	0.45402	208.56721	92.88706	267.98327	26.09236	23.00092	33.50993	8.92E-08	5.27E-05	6.59E-06	2.75E-11	8.31E-11	6.57E-11	4.76E-14	1.15E-12	6.35344E-14	1.26216E-12	8.924E-08	5.266E-05	6.5856E-06	2.8165E-11	1.92649E-13	1.40581E-11	3.20524E-14
634	570830.6	4178719	0.55, 41787	0.58417	0.63922	0.49731	206.25232	102.59816	258.13483	28.9378	25.69667	32.26685	9.77E-08	5.07E-05	6.34E-06	3.02E-11	9.11E-11	7.19E-11	5.22E-14	1.26E-12	6.95931E-14	1.38252E-12	9.775E-08	5.0726E-05	6.34151E-06	3.08509E-11	2.1102E-13	1.53987E-11	3.51089E-14
635	570870.6	4178719	0.55, 41787	0.63384	0.71183	0.60618	208.40577	136.85909	408.7133	28.70976	24.7437	51.08916	1.19E-07	8.03E-05	1E-05	3.68E-11	1.11E-10	8.77E-11	6.36E-14	1.54E-12	8.48256E-14	1.68512E-12	1.191E-07	8.0314E-05	1.00398E-05	3.76035E-11	2.57208E-13	1.87691E-11	4.27936E-14
636	570910.6	4178719	0.55, 41787	0.68401	0.75343	0.58123	211.07044	124.31957	366.90455	30.70854	25.49482	45.86307	1.14E-07	7.21E-05	9.01E-06	3.53E-11	1.06E-10	8.41E-11	6.1E-14	1.47E-12	8.1337E-14	1.61582E-12	1.142E-07	7.2098E-05	9.01305E-06	3.6057E-11	2.4663E-13	1.79972E-11	4.10336E-14
637	570950.6	4178719	0.55, 41787	0.69007	0.76497	0.57081	207.10313	108.18225	376.87466	30.79195	24.65468	47.10933	1.12E-07	7.41E-05	9.26E-06	3.46E-11	1.05E-10	8.26E-11	5.99E-14	1.45E-12	7.98798E-14	1.58687E-12	1.122E-07	7.4057E-05	9.25793E-06	3.5411E-11	2.42211E-13	1.76748E-11	4.02985E-14
638	570990.6	4178719	0.55, 41787	0.68048	0.74999	0.58632	206.58356	95.47159	294.44278	32.17827	21.60129	36.80535	1.15E-07	5.79E-05	7.23E-06	3.56E-11	1.07E-10	8.48E-11	6.15E-14	1.49E-12	8.20489E-14	1.62996E-12	1.152E-07	5.7859E-05	7.23343E-06	3.63726E-11	2.48789E-13	1.81547E-11	4.13928E-14
639	571030.6	4178719	0.55, 41787	0.66194	0.72353	0.59736	210.3532	86.11281	328.15995	30.372	18.42489	51.15716	1.17E-07	6.45E-05	1.01E-05	3.62E-11	1.09E-10	8.64E-11	6.27E-14	1.51E-12	8.35923E-14	1.66062E-12	1.174E-07	6.4484E-05	1.00532E-05	3.70568E-11	2.53468E-13	1.84962E-11	4.21714E-14
640	571070.6	4178719	0.55, 41787	0.64029	0.68839	0.56269	181.70859	76.31707	252.84162	22.73215	15.52213	31.6052	1.11E-07	4.97E-05	6.21E-06	3.41E-11	1.03E-10	8.14E-11	5.91E-14	1.43E-12	7.8741E-14	1.56425E-12	1.106E-07	4.9684E-05	6.21117E-06	3.49062E-11	2.38758E-13	1.74228E-11	3.9724E-14
641	571110.6	4178719	0.55, 41787	0.60626	0.64543	0.53034	207.95149	70.27092	268.27126	26.16426	14.32632	33.53391	1.04E-07	5.27E-05	6.59E-06	3.22E-11	9.71E-11	7.67E-11	5.57E-14	1.34E-12	7.4214E-14	1.47431E-12	1.042E-07	5.2716E-05	6.59031E-06	3.28993E-11	2.25031E-13	1.64211E-11	3.74401E-14
642	571150.6	4178719	0.55, 41787	0.57256	0.60327	0.52806	200.64391	66.12781	289.68563	25.68735	14.52342	36.23202	1.04E-07	5.69E-05	7.12E-06	3.2E-11	9.67E-11	7.64E-11	5.54E-14	1.34E-12	7.38934E-14	1.46794E-12	1.038E-07	5.6923E-05	7.12043E-06	3.27572E-11	2.24059E-13	1.63502E-11	3.72784E-14
643	571190.6	4178719	0.55, 41787	0.53842	0.56251	0.50995	154.3512	63.9477	213.38711	22.19645	14.00077	30.48387	1E-07	4.19E-05	5.99E-06	3.09E-11	9.34E-11	7.38E-11	5.35E-14	1.29E-12	7.13585E-14	1.41759E-12	1.002E-07	4.1931E-05	5.99081E-06	3.16335E-11	2.16373E-13	1.57893E-11	3.59996E-14
644	571230.6	4178719	0.55, 41787	0.49735	0.52247	0.4676	159.72675	60.41971	199.28282	22.34048	12.75874	27.30767	9.19E-08	3.92E-05	5.37E-06	2.84E-11	8.56E-11	6.76E-11	4.91E-14	1.19E-12	6.54326E-14	1.29986E-12	9.19E-08	3.916E-05	5.36675E-06	2.90065E-11	1.98405E-13	1.44781E-11	3.301E-14
645	571270.6	4178719	0.55, 41787	0.45612	0.4836	0.42898	144.14128	55.22387	195.55309	20.17616	11.51496	26.9261	8.43E-08	3.84E-05	5.29E-06	2.6E-11	7.86E-11	6.21E-11	4.5E-14	1.09E-12	6.00285E-14	1.19251E-12	8.431E-08	3.8427E-05	5.29166E-06	2.66109E-11	1.82018E-13	1.32823E-11	3.02837E-14
646	571310.6	4178719	0.55, 41787	0.42006	0.44717	0.39945	118.44349	52.26024	154.81704	17.97136	10.56882	25.80284	7.85E-08	3.04E-05	5.07E-06	2.42E-11	7.31E-11	5.78E-11	4.19E-14	1.01E-12	5.58962E-14	1.11042E-12	7.851E-08	3.0422E-05	5.07083E-06	2.4779E-11	1.69488E-13	1.2368E-11	2.8199E-14
647	571350.6	4178719	0.55, 41787	0.38785	0.41385	0.37184	109.17018	50.24459	147.83356	14.07795	10.0186	18.4792	7.31E-08	2.91E-05	3.63E-06	2.26E-11	6.81E-11	5.38E-11	3.9E-14	9.43E-13	5.20325E-14	1.03366E-12	7.308E-08	2.905E-05	3.63164E-06	2.30662E-11	1.57773E-13	1.15131E-11	2.62498E-14
648	571390.6	4178719	0.55, 41787	0.35875	0.38356	0.34391	87.70597	48.80309	113.13015	10.96325	9.64341	14.14127	6.76E-08	2.22E-05	2.78E-06	2.09E-11	6.3E-11	4.97E-11	3.61E-14	8.72E-13	4.81242E-14	9.56022E-13	6.759E-08	2.2231E-05	2.77914E-06	2.13337E-11	1.45922E-13	1.06483E-11	2.42781E-14
649	571430.6	4178719	0.55, 41787	0.33385	0.35563	0.32061	80.9107	47.09106	69.47289	11.59229	8.99084	10.76512	6.3E-08	1.37E-05	2.12E-06	1.94E-11	5.87E-11	4.64E-11	3.36E-14	8.13E-13	4.48637E-14	8.9125E-13	6.301E-08	1.3653E-05	2.11581E-06	1.98883E-11	1.36036E-13	9.92687E-12	2.26333E-14
650	571470.6	4178719	0.55, 41787	0.31507	0.33052	0.30587	111.40462	45.19171	126.48359	15.57659	8.16367	17.53078	6.01E-08	2.49E-05	3.45E-06	1.86E-11	5.6E-11	4.42E-11	3.21E-14	7.75E-13	4.28008E-14	8.50268E-13	6.012E-08	2.4855E-05	3.44537E-06	1.89738E-11	1.29781E-13	9.47041E-12	2.15925E-14
651	571510.6	4178719	0.55, 41787	0.29891	0.30701	0.29518	116.70467	43.07153	146.87884	15.95519	7.46065	19.6972	5.8E-08	2.89E-05	3.87E-06	1.79E-11	5.41E-11	4.27E-11	3.1E-14	7.48E-13	4.13045E-14	8.20543E-13	5.801E-08	2.8862E-05	3.87106E-06	1.83105E-11	1.25243E-13	9.13933E-12	2.08377E-14
652	571550.6	4178719	0.55, 41787	0.28299	0.28542	0.28355	93.20798	40.2806	109.70993	12.81909	6.80365	14.78577	5.57E-08	2.16E-05	2.91E-06	1.72E-11	5.19E-11	4.1E-11	2.98E-14	7.19E-13	3.96768E-14	7.88207E-13	5.573E-08	2.1559E-05	2.90587E-06	1.75889E-11	1.20308E-13	8.77917E-12	2.00165E-14
653	571590.6	4178719	0.55, 41787	0.2649	0.26495	0.26753	84.18961	37.57199	100.50298	12.02709	5.93847	14.35757	5.26E-08	1.97E-05	2.82E-06	1.62E-11	4.9E-11	3.87E-11	2.81E-14	6.78E-13	3.7435E-14	7.43672E-13	5.258E-08	1.975E-05	2.82169E-06	1.65951E-11	1.1351E-13	8.28313E-12	1.88855E-14
654	570310.6	4178759	0.55, 41787	0.10291	0.08971	0.0989	86.89901	32.22927	93.76167	10.86238	4.40505	11.72021	1.94E-08	1.84E-05	2.3E-06	6E-12	1.81E-11	1.43E-11	1.04E-14	2.51E-13	1.38386E-14	2.74914E-13	1.944E-08	1.8425E-05	2.30343E-06	6.13472E-12	4.19615E-14	3.06203E-12	6.98144E-15
655	570350.6	4178759	0.55, 41787	0.11544	0.10167	0.11074	97.89636	38.6449	111.66772	12.23704	4.83061	13.95846	2.18E-08	2.19E-05	2.74E-06	6.72E-12	2.03E-11	1.6E-11	1.16E-14	2.81E-13	1.54954E-14	3.07827E-13	2.176E-08	2.1943E-05	2.74328E-06	6.86916E-12	4.69851E-14	3.42862E-12	7.81725E-15
656	570390.6	4178759	0.55, 41787	0.13027	0.11595	0.12485	105.67733	44.34348	129.76492	13.20967	5.54293	16.22061	2.45E-08	2.55E-05	3.19E-06	7.57E-12	2.29E-11	1.81E-11	1.31E-14	3.16E-13	1.74698E-14	3.4705E-13	2.454E-08	2.55E-05	3.18782E-06	7.74442E-12	5.29719E-14	3.86549E-12	8.81332E-15
657	570430.6	4178759	0.55, 41787	0.14773	0.133	0.14184	109.21499	48.49986	141.11126	13.65187	6.24447	17.63891	2.79E-08	2.77E-05	3.47E-06	8.6E-12	2.6E-11	2.05E-11	1.49E-14	3.6E-13	1.98472E-14	3.94278E-13	2.788E-08	2.7729E-05	3.46651E-06	8.79833E-12	6.01806E-14	4.39153E-12	1.00127E-14
658	570470.6	4178759	0.55, 41787	0.16767	0.15301	0.16202	117.79795	52.53636	140.35154	14.72474	7.71399	17.54394	3.18E-08	2.76E-05	3.45E-06	9.83E-12	2.97E-11	2.34E-11	1.7E-14	4.11E-13	2.26709E-14	4.50374E-13	3.184E-08	2.758E-05	3.44791E-06	1.00501E-11	6.87427E-14	5.01633E-12	1.14372E-14
659	570510.6	4178759	0.55, 41787	0.191	0.17712	0.1864	128.29828	56.17436	171.94141	17.6792	9.03197	21.49268	3.66E-08	3.38E-05	4.22E-06	1.13E-11	3.41E-11	2.7E-11	1.96E-14	4.73E-13	2.60824E-14	5.18145E-13	3.663E-08	3.3787E-05	4.22394E-06	1.15624E-11	7.90869E-14	5.77117E-12	1.31583E-14
660	570550.6	4178759	0.55, 41787	0.21672	0.20498	0.21341	137.63049	58.52483	184.29573	19.6615	9.95092	26.17497	4.19E-08	3.62E-05	5.14E-06	1.29E-11	3.91E-11	3.09E-11	2.24E-14	5.41E-13	2.98619E-14	5.93227E-13	4.194E-08	3.6215E-05	5.14404E-06	1.32379E-11	9.05471E-14	6.60745E-12	1.5065E-14
661	570590.6	4178759	0.55, 41787	0.24504	0.23724	0.24166	142.23889	62.68425	205.21483	20.31984	10.25836	28.57469	4.75E-08	4.03E-05	5.62E-06	1.47E-11	4.43E-11	3.5E-11	2.54E-14	6.13E-13	3.3815E-14	6.71758E-13	4.75E-08	4.0325E-05	5.61559E-06	1.49903E-11	1.02534E-13	7.48214E-12	1.70593E-14
662	570630.6	4178759	0.55, 41787	0.27554	0.27375	0.26892	139.19636	70.02218	188.40794	19.61007	11.07526	25.7042	5.29E-08	3.7E-05	5.05E-06	1.63E-11	4.92E-11	3.89E-11	2.82E-14	6.82E-13	3.76298E-14	7.47542E-13	5.285E-08	3.7023E-05	5.05154E-06	1.66814E-11	1.14101E-13	8.32623E-12	1.89838E-14
663	570670.6	4178759	0.55, 41787	0.30614	0.31293	0.29402	149.31547	72.47289	221.2081	21.10931	12.07881	31.37185	5.78E-08	4.35E-05	6.17E-06	1.78E-11	5.38E-11	4.25E-11	3.09E-14	7.45E-13	4.11425E-14	8.17324E-13	5.779E-08	4.3468E-05	6.16523E-06	1.82386E-11	1.24752E-13	9.10348E-12	2.07559E-14
664	570710.6	4178759	0.55, 41787	0.33494	0.35231	0.31792	164.794	71.08708	213.69891	21.55176	13.08376	26.71236	6.25E-08	4.2E-05	5.25E-06	1.93E-11	5.82E-11	4.6E-11	3.34E-14	8.06E-13	4.44873E-14	8.83772E-13	6.249E-08	4.1993E-05	5.24973E-06	1.97214E-11	1.34894E-13	9.84358E-12	2.24434E-14
665	570750.6	4178759	0.55, 41787	0.36674	0.3924	0.33661	179.38877	78.60477	216.64393	22.4236	16.36841	27.08049	6.62E-08	4.26E-05	5.32E-06	2.04E-11	6.16E-11	4.87E-11	3.53E-14	8.53E-13	4.71034E-14	9.35742E-13	6.616E-08	4.2572E-05	5.32211E-06	2.08811E-11	1.42827E-13	1.04224E-11	2.37631E-14
666	570790.6	4178759	0.55, 41787	0.40357	0.43625	0.34677	166.36606	82.34558	242.62848	21.7564	19.87746	30.35713	6.82E-08	4.77E-05	5.97E-06	2.1E-11	6.35E-11	5.02E-11	3.64E-14	8.79E-13	4.85263E-14	9.64009E-13	6.816E-08	4.7678E-05	5.96589E-06	2.15119E-11	1.47141E-13	1.07373E-11	2.4481E-14
667	570830.6	4178759	0.55, 41787	0.43354	0.48203	0.39259	188.6599	98.62945	246.30784	24.95504	19.43466	30.78848	7.72E-08	4.84E-05	6.05E-06	2.38E-11	7.19E-11	5.68E-11	4.12E-14	9.95E-13	5.49378E-14	1.09138E-12	7.716E-08	4.8402E-05	6.05081E-06	2.43541E-11	1.66582E-13	1.21559E-11	2.77155E-14
668	570870.6	4178759	0.55, 41787	0.46387	0.52331	0.45582	172.12292	120.25167	329.63715	21.51536	18.67269	41.20464	8.96E-08	6.48E-05	8.1E-06	2.76E-11	8.35E-11	6.59E-11	4.78E-14	1.16E-12	6.37846E-14	1.26713E-12	8.959E-08	6.4775E-05	8.09724E-06	2.82759E-11	1.93407E-13	1.41134E-11	3.21786E-14
669	570910.6	4178759	0.55, 41787	0.49085	0.54778	0.42691	176.15826	108.72169	296.15879	23.43896	19.655	37.01985	8.39E-08	5.82E-05	7.28E-06	2.59E-11	7.82E-11	6.18E-11	4.48E-14	1.08E-12	5.97413E-14	1.1868E-12	8.391E-08	5.8197E-05	7.2751E-06	2.64835E-11	1.81147E-13	1.32188E-11	3.01388E-14
670	570950.6	4178759	0.55, 41787	0.48762	0.55475	0.41816	180.46301	97.04885	324.78811	24.36206	20.46933	40.59851	8.22E-08	6.38E-05	7.98E-06	2.54E-11	7.66E-11	6.05E-11	4.39E-14	1.06E-12	5.85175E-14	1.16249E-12	8.219E-08	6.3822E-05	7.9783E-06	2.5941E-11	1.77437E-13	1.2948E-11	2.95214E-14
671	570990.6	4178759	0.55, 41787	0.49021	0.55159	0.43765	151.23194	87.28492	222.11928	25.20532	17.38113	28.62893	8.6E-08	4.36E-05	5.63E-06	2.65E-11	8.01E-11	6.33E-11	4.59E-14	1.11E-12	6.12438E-14	1.21665E-12	8.602E-08	4.3648E-05	5.62651E-06	2.71496E-11	1.85703E-13	1.35512E-11	3.08968E-14
672	571030.6	4178759	0.55, 41787	0.48428	0.53663	0.45626	187.58168	78.86438	272.43541	28.06386	15.68835	45.4059	8.97E-08	5.35E-05	8.92E-06	2.77E-11	8.36E-11	6.6E-11	4.79E-14	1.16E-12	6.38467E-14	1.26836E-12	8.968E-08	5.3534E-05	8.92308E-06	2.83035E-11	1.93596E-13	1.41272E-11	3.22099E-14
673	571070.6	4178759	0.55, 41787	0.467	0.51625	0.43604	163.79974	72.83551	258.94072	22.54296	13.46245	32.36759	8.57E-08	5.09E-05	6.36E-06	2.64E-11	7.99E-11	6.31E-11	4.58E-14	1.11E-12	6.10173E-14	1.21215E-12	8.57E-08	5.0882E-05	6.36095E-06	2.70492E-11	1.85017E-13	1.35011E-11	3.07826E-14
674	571110.6	4178759	0.55, 41787	0.44755	0.4933	0.39624	157.0432	65.36033	149.25903	19.63651	11.35189	22.10234	7.79E-08	2.93E-05	4.34E-06	2.4E-11	7.26E-11	5.73E-11	4.16E-14	1E-12	5.54488E-14	1.10153E-12	7.788E-08	2.9331E-05	4.34383E-06	2.45807E-11	1.68132E-13	1.2269E-11	2.79733E-14
675	571150.6	4178759	0.55, 41787	0.4302	0.46818	0.38775	183.98767	62.14189	232.46693	23.05685	11.54043	29.05837	7.62E-08	4.57E-05	5.71E-06	2.35E-11	7.1E-11	5.61E-11	4.07E-14	9.83E-13	5.42602E-14	1.07792E-12	7.621E-08	4.568E-05	5.71077E-06	2.40538E-11	1.64528E-13	1.2006E-11	2.73737E-14
676	571190.6	4178759	0.55, 41787	0.41561	0.44245	0.39452	166.33485	59.4631	232.20811	21.02615	11.70076	29.03347	7.75E-08	4.56E-05	5.71E-06	2.39E-11	7.22E-11	5.71E-11	4.14E-14	1E-12	5.52063E-14	1.09671E-12	7.754E-08	4.5629E-05	5.70577E-06	2.44732E-11	1.67397E-13	1.22153E-11	2.7851E-14
677	571230.6	4178759	0.55, 41787	0.39577	0.41616	0.38297	133.04594	57.55284	174.38403	19.00656	11.25795	24.912	7.53E-08	3.43E-05	4.9E-06	2.32E-11	7.01E-11	5.54E-11	4.02E-14	9.71E-13	5.35896E-14	1.0646E-12	7.527E-08	3.4267E-05	4.89585E-06	2.37565E-11	1.62494E-13	1.18576E-11	2.70354E-14
678	571270.6	4178759	0.55, 41787	0.36933	0.38979	0.3568	133.93343	52.76944	163.09994	18.49966	10.32502	20.38749	7.01E-08	3.2E-05	4.01E-06	2.16E-11	6.53E-11	5.16E-11	3.74E-14	9.04E-13	4.99277E-14	9.91849E-13	7.013E-08	3.205E-05	4.00683E-06	2.21331E-11	1.51391E-13	1.10474E-11	2.5188E-14
679	571310.6	4178759	0.55, 41787	0.3411	0.36413	0.32902	131.1619	50.25063	168.23883	18.11843	9.56125	22.87944	6.47E-08	3.31E-05	4.5E-06	2E-11	6.03E-11	4.76E-11	3.45E-14	8.34E-13	4.60405E-14	9.14628E-13	6.467E-08	3.306E-05	4.49644E-06	2.04099E-11	1.39604E-13	1.01873E-11	2.32269E-14
680	571350.6	4178759	0.55, 41787	0.31543	0.34037	0.30452	103.20737	47.94128	136.71003	14.62528	9.08266	18.8743	5.99E-08	2.69E-05	3.71E-06	1.85E-11	5.58E-11	4.4E-11	3.2E-14	7.72E-13	4.26123E-14	8.46524E-13	5.985E-08	2.6864E-05	3.7093E-06	1.88902E-11	1.29209E-13	9.4287E-12	2.14974E-14
681	571390.6	4178759	0.55, 41787	0.29206	0.31801	0.28181	95.20975	46.26011	128.00267	11.90122	8.7596	16.00033	5.54E-08	2.52E-05	3.14E-06	1.71E-11	5.16E-11	4.08E-11	2.96E-14	7.14E-13	3.94345E-14	7.83395E-13	5.539E-08	2.5153E-05	3.14466E-06	1.74815E-11	1.19573E-13	8.72557E-12	1.98943E-14
682	571430.6	4178759	0.55, 41787	0.27184	0.29676	0.26169	65.82255	44.97926	77.28464	8.48847	8.42183	11.06277	5.14E-08	1.52E-05	2.17E-06	1.59E-11	4.79E-11	3.79E-11	2.75E-14	6.63E-13	3.66191E-14	7.27465E-13	5.143E-08	1.5188E-05	2.17412E-06	1.62334E-11	1.11036E-13	8.10261E-12	1.8474E-14
683	571470.6	4178759	0.55, 41787	0.25781	0.27877	0.24855	74.19853	43.62462	66.74746	10.92817	7.8818	10.16339	4.89E-08	1.31E-05	2E-06	1.51E-11	4.55E-11	3.6E-11	2.61E-14	6.3E-13	3.47803E-14	6.90935E-13	4.885E-08	1.3117E-05	1.99754E-06	1.54182E-11	1.05461E-13	7.69574E-12	1.75463E-14
684	571510.6	4178759	0.55, 41787	0.24715	0.26193	0.24035	102.14842	42.0514	116.58455	14.2101	7.23025	16.16505	4.72E-08	2.29E-05	3.18E-06	1.46E-11	4.4E-11	3.48E-11	2.52E-14	6.09E-13	3.36326E-14	6.68135E-13	4.724E-08	2.291E-05	3.17695E-06	1.49095E-11	1.01981E-13	7.44179E-12	1.69673E-14
685	571550.6	4178759	0.55, 41787	0.23772	0.24585	0.23427	104.82233	40.15762	128.89855	14.31586	6.66643	17.41071	4.6E-08	2.53E-05	3.42E-06	1.42E-11	4.29E-11	3.39E-11	2.46E-14	5.94E-13	3.27815E-14	6.51227E-13	4.604E-08	2.5329E-05	3.42171E-06	1.45321E-11	9.93999E-14	7.25346E-12	1.65379E-14
686	571590.6	4178759	0.55, 41787	0.22808	0.23097	0.22747	83.60184	37.747	96.99907	11.46846	6.12919	13.15855	4.47E-08	1.91E-05	2.59E-06	1.38E-11	4.17E-11	3.29E-11	2.39E-14	5.77E-13	3.18297E-14	6.32319E-13	4.471E-08	1.9061E-05	2.58607E-06	1.41102E-11	9.65138E-14	7.04286E-12	1.60577E-14
687	570310.6	4178799	0.55, 41787	0.10253	0.09048	0.09887	92.22772	37.68456	108.42661	11.52846	4.71057	13.55333	1.94E-08	2.13E-05	2.66E-06	6E-12	1.81E-11	1.43E-11	1.04E-14	2.51E-13	1.38345E-14	2.74831E-13	1.943E-08	2.1307E-05	2.66364E-06	6.13287E-12	4.19488E-14	3.06111E-12	6.97933E-15
688	570350.6	4178799	0.55, 41787	0.11434	0.10195	0.11024	96.42289	41.82094	119.06345	12.05286	5.22762	14.88293	2.17E-08	2.34E-05	2.92E-06	6.69E-12	2.02E-11	1.59E-11	1.16E-14	2.79E-13	1.54254E-14	3.06437E-13	2.167E-08	2.3397E-05	2.92492E-06	6.83816E-12	4.6773E-14	3.41314E-12	7.78197E-15
689	570390.6	4178799	0.55, 41787	0.12785	0.11532	0.12365	96.70849	44.28794	121.57528	12.08856	5.83168	15.19691	2.43E-08	2.39E-05	2.99E-06	7.5E-12	2.26E-11	1.79E-11	1.3E-14	3.13E-13	1.73019E-14	3.43714E-13	2.43E-08	2.389E-05	2.98661E-06	7.66999E-12	5.24628E-14	3.82834E-12	8.72861E-15
690	570430.6	4178799	0.55, 41787	0.14288	0.13064	0.13911	109.4746	48.39009	132.26529	13.83026	6.97525	16.53316	2.73E-08	2.6E-05	3.25E-06	8.44E-12	2.55E-11	2.01E-11	1.46E-14	3.53E-13	1.94652E-14	3.86689E-13	2.734E-08	2.5991E-05	3.24926E-06	8.62899E-12	5.90223E-14	4.307E-12	9.81997E-15
691	570470.6	4178799	0.55, 41787	0.15993	0.14857	0.15692	116.3647	50.80214	153.38363	16.31235	7.92735	19.17295	3.08E-08	3.01E-05	3.77E-06	9.52E-12	2.87E-11	2.27E-11	1.65E-14	3.98E-13	2.19573E-14	4.36197E-13	3.084E-08	3.0141E-05	3.76807E-06	9.73376E-12	6.65789E-14	4.85843E-12	1.10772E-14
692	570510.6	4178799	0.55, 41787	0.17816	0.16871	0.17591	124.77861	52.11481	162.22151	17.82552	8.49382	23.1745	3.46E-08	3.19E-05	4.55E-06	1.07E-11	3.22E-11	2.54E-11	1.85E-14	4.46E-13	2.46146E-14	4.88986E-13	3.457E-08	3.1877E-05	4.5544E-06	1.09117E-11	7.46363E-14	5.4464E-12	1.24178E-14
693	570550.6	4178799	0.55, 41787	0.19752	0.19131	0.19507	126.89522	56.18657	175.78093	18.12789	8.51005	24.21863	3.83E-08	3.45E-05	4.76E-06	1.18E-11	3.57E-11	2.82E-11	2.05E-14	4.94E-13	2.72957E-14	5.42249E-13	3.834E-08	3.4542E-05	4.75957E-06	1.21003E-11	8.27661E-14	6.03965E-12	1.37704E-14
694	570590.6	4178799	0.55, 41787	0.21773	0.21627	0.21308	122.68072	62.5324	158.46837	17.14296	9.80776	21.67538	4.19E-08	3.11E-05	4.26E-06	1.29E-11	3.9E-11	3.08E-11	2.24E-14	5.4E-13	2.98161E-14	5.92318E-13	4.188E-08	3.114E-05	4.25981E-06	1.32176E-11	9.04083E-14	6.59732E-12	1.50419E-14
695	570630.6	4178799	0.55, 41787	0.23771	0.24268	0.22932	133.9153	64.36556	188.20796	18.95021	10.72759	26.70167	4.51E-08	3.7E-05	5.25E-06	1.39E-11	4.2E-11	3.32E-11	2.41E-14	5.81E-13	3.20889E-14	6.37469E-13	4.507E-08	3.6984E-05	5.24749E-06	1.42251E-11	9.72999E-14	7.10022E-12	1.61885E-14
696	570670.6	4178799	0.55, 41787	0.25595	0.26895	0.24514	141.94782	63.09907	182.20008	19.13844	10.57117	23.96944	4.82E-08	3.58E-05	4.71E-06	1.49E-11	4.49E-11	3.55E-11	2.57E-14	6.21E-13	3.43029E-14	6.81452E-13	4.818E-08	3.5803E-05	4.71066E-06	1.52066E-11	1.04013E-13	7.59011E-12	1.73055E-14
697	570710.6	4178799	0.55, 41787	0.27273	0.29382	0.2595	157.12572	66.69563	192.86918	19.64072	11.93189	24.10865	5.1E-08	3.79E-05	4.74E-06	1.57E-11	4.75E-11	3.75E-11	2.72E-14	6.58E-13	3.63127E-14	7.21377E-13	5.1E-08	3.79E-05	4.73804E-06	1.60976E-11	1.10107E-13	8.0348E-12	1.83193E-14
698	570750.6	4178799	0.55, 41787	0.29355	0.31916	0.26739	152.65771	72.44297	180.42039	19.08221	15.18472	22.55534	5.26E-08	3.55E-05	4.43E-06	1.62E-11	4.9E-11	3.87E-11	2.81E-14	6.78E-13	3.74174E-14	7.43322E-13	5.256E-08	3.5454E-05	4.43281E-06	1.65873E-11	1.13457E-13	8.27923E-12	1.88767E-14
699	570790.6	4178799	0.55, 41787	0.31688	0.34759	0.27611	157.73005	72.26845	195.86787	20.13646	16.34526	24.48348	5.43E-08	3.85E-05	4.81E-06	1.67E-11	5.06E-11	3.99E-11	2.9E-14	7E-13	3.86383E-14	7.67577E-13	5.427E-08	3.8489E-05	4.81172E-06	1.71285E-11	1.17159E-13	8.54938E-12	1.94926E-14
700	570830.6	4178799	0.55, 41787	0.33524	0.37796	0.31984	162.23746	94.66133	234.71664	21.09567	14.73083	29.33958	6.29E-08	4.61E-05	5.77E-06	1.94E-11	5.86E-11	4.63E-11	3.36E-14	8.11E-13	4.47568E-14	8.89125E-13	6.286E-08	4.6124E-05	5.76592E-06	1.98409E-11	1.35711E-13	9.90321E-12	2.25793E-14
701	570870.6	4178799	0.55, 41787	0.35595	0.40358	0.35265	158.80625	107.46352	263.60655	19.85078	16.70272	32.95082	6.93E-08	5.18E-05	6.48E-06	2.14E-11	6.46E-11	5.1E-11	3.7E-14	8.94E-13	4.93476E-14	9.80324E-13	6.931E-08	5.1801E-05	6.4754E-06	2.1876E-11	1.49632E-13	1.0919E-11	2.48953E-14
702	570910.6	4178799	0.55, 41787	0.3676	0.41723	0.32417	150.41188	96.98395	247.06251	18.80149	15.72408	30.88281	6.37E-08	4.85E-05	6.07E-06	1.97E-11	5.94E-11	4.69E-11	3.4E-14	8.22E-13	4.5364E-14	9.01188E-13	6.372E-08	4.855E-05	6.06902E-06	2.011E-11	1.37553E-13	1.00376E-11	2.28856E-14
703	570950.6	4178799	0.55, 41787	0.34637	0.40141	0.30552	159.46188	87.41269	275.63404	19.93273	16.48069	34.45425	6.01E-08	5.42E-05	6.77E-06	1.85E-11	5.6E-11	4.42E-11	3.21E-14	7.75E-13	4.27544E-14	8.49347E-13	6.005E-08	5.4163E-05	6.77081E-06	1.89532E-11	1.2964E-13	9.46015E-12	2.15691E-14
704	570990.6	4178799	0.55, 41787	0.35579	0.40756	0.32647	119.48057	79.68844	146.33228	17.5796	14.60553	25.33485	6.42E-08	2.88E-05	4.98E-06	1.98E-11	5.98E-11	4.72E-11	3.43E-14	8.28E-13	4.56854E-14	9.07572E-13	6.417E-08	2.8757E-05	4.97886E-06	2.02525E-11	1.38527E-13	1.01087E-11	2.30478E-14
705	571030.6	4178799	0.55, 41787	0.37225	0.416	0.35619	155.14917	72.93395	196.55996	24.86673	12.948	30.87431	7E-08	3.86E-05	6.07E-06	2.16E-11	6.52E-11	5.15E-11	3.74E-14	9.03E-13	4.98433E-14	9.90171E-13	7.001E-08	3.8625E-05	6.06767E-06	2.20957E-11	1.51135E-13	1.10287E-11	2.51454E-14
706	571070.6	4178799	0.55, 41787	0.3594	0.40135	0.34666	158.59146	67.81733	220.83512	22.65592	11.74555	33.70367	6.81E-08	4.34E-05	6.62E-06	2.1E-11	6.35E-11	5.01E-11	3.64E-14	8.79E-13	4.85096E-14	9.63676E-13	6.813E-08	4.3395E-05	6.62348E-06	2.15045E-11	1.47091E-13	1.07336E-11	2.44725E-14
707	571110.6	4178799	0.55, 41787	0.34191	0.38638	0.31575	133.9595	62.41991	198.12185	16.74494	10.40332	24.76523	6.21E-08	3.89E-05	4.87E-06	1.92E-11	5.78E-11	4.57E-11	3.31E-14	8E-13	4.4185E-14	8.77765E-13	6.206E-08	3.8932E-05	4.86689E-06	1.95874E-11	1.33978E-13	9.77668E-12	2.22908E-14
708	571150.6	4178799	0.55, 41787	0.32926	0.37153	0.29721	140.52662	58.47073	122.49716	17.56829	9.74512	16.40698	5.84E-08	2.41E-05	3.22E-06	1.8E-11	5.44E-11	4.3E-11	3.12E-14	7.53E-13	4.15908E-14	8.26231E-13	5.842E-08	2.4072E-05	3.22467E-06	1.84374E-11	1.26112E-13	9.20268E-12	2.09821E-14
709	571190.6	4178799	0.55, 41787	0.32393	0.35615	0.30055	162.80337	55.99612	201.90064	20.37225	9.46414	25.23758	5.91E-08	3.97E-05	4.96E-06	1.82E-11	5.5E-11	4.35E-11	3.15E-14	7.62E-13	4.20575E-14	8.35502E-13	5.907E-08	3.9674E-05	4.9599E-06	1.86443E-11	1.27527E-13	9.30595E-12	2.12176E-14
710	571230.6	4178799	0.55, 41787	0.31732	0.33876	0.30501	141.0743	54.42569	191.70239	17.72831	9.52966	23.96639	5.99E-08	3.77E-05	4.71E-06	1.85E-11	5.59E-11	4.41E-11	3.2E-14	7.73E-13	4.26808E-14	8.47884E-13	5.995E-08	3.767E-05	4.70999E-06	1.89206E-11	1.29417E-13	9.44386E-12	2.1532E-14
711	571270.6	4178799	0.55, 41787	0.30415	0.32027	0.29829	116.54381	51.24633	144.90939	16.64912	9.13765	20.70134	5.86E-08	2.85E-05	4.07E-06	1.81E-11	5.46E-11	4.31E-11	3.13E-14	7.56E-13	4.17401E-14	8.29196E-13	5.863E-08	2.8476E-05	4.0684E-06	1.85035E-11	1.26564E-13	9.2357E-12	2.10574E-14
712	571310.6	4178799	0.55, 41787	0.28608	0.30211	0.28212	111.77517	48.08718	136.31939	15.28029	8.60329	17.73191	5.54E-08	2.68E-05	3.48E-06	1.71E-11	5.17E-11	4.08E-11	2.96E-14	7.15E-13	3.94773E-14	7.84245E-13	5.545E-08	2.6788E-05	3.48206E-06	1.75005E-11	1.19703E-13	8.73504E-12	1.99159E-14
713	571350.6	4178799	0.55, 41787	0.26522	0.28423	0.2608	116.94553	46.1941	139.01017	15.97517	8.23917	19.97796	5.13E-08	2.73E-05	3.93E-06	1.58E-11	4.78E-11	3.77E-11	2.74E-14	6.61E-13	3.64942E-14	7.24983E-13	5.126E-08	2.7316E-05	3.92623E-06	1.6178E-11	1.10658E-13	8.07496E-12	1.84109E-14
714	571390.6	4178799	0.55, 41787	0.24309	0.26586	0.23735	101.64822	44.37475	130.479	13.96186	7.97488	17.70328	4.66E-08	2.56E-05	3.48E-06	1.44E-11	4.35E-11	3.43E-11	2.49E-14	6.02E-13	3.3213E-14	6.598E-13	4.665E-08	2.564E-05	3.47918E-06	1.47235E-11	1.00709E-13	7.34895E-12	1.67556E-14
715	571430.6	4178799	0.55, 41787	0.22645	0.25105	0.21957	78.66707	42.96369	101.00422	10.22882	7.75525	13.14754	4.32E-08	1.98E-05	2.58E-06	1.33E-11	4.02E-11	3.18E-11	2.3E-14	5.57E-13	3.07252E-14	6.10378E-13	4.316E-08	1.9848E-05	2.58384E-06	1.36206E-11	9.31649E-14	6.79848E-12	1.55005E-14
716	571470.6	4178799	0.55, 41787	0.21325	0.23694	0.20607	47.64153	41.84289	57.10773	7.70461	7.45296	10.06314	4.05E-08	1.12E-05	1.98E-06	1.25E-11	3.77E-11	2.98E-11	2.16E-14	5.22E-13	2.88362E-14	5.72851E-13	4.05E-08	1.1223E-05	1.97767E-06	1.27832E-11	8.7437E-14	6.38049E-12	1.45475E-14
717	571510.6	4178799	0.55, 41787	0.20623	0.22585	0.19985	71.44774	40.73398	67.79843	10.29216	7.00806	9.90291	3.93E-08	1.33E-05	1.95E-06	1.21E-11	3.66E-11	2.89E-11	2.1E-14	5.07E-13	2.79656E-14	5.55557E-13	3.928E-08	1.3324E-05	1.94633E-06	1.23973E-11	8.47973E-14	6.18787E-12	1.41084E-14
718	571550.6	4178799	0.55, 41787	0.19818	0.21228	0.19356	94.10249	39.35835	107.36049	13.01678	6.4744	14.79864	3.8E-08	2.11E-05	2.91E-06	1.17E-11	3.54E-11	2.8E-11	2.03E-14	4.91E-13	2.70852E-14	5.38067E-13	3.804E-08	2.1097E-05	2.90841E-06	1.2007E-11	8.21278E-14	5.99307E-12	1.36642E-14
719	571590.6	4178799	0.55, 41787	0.19254	0.20073	0.18997	94.76849	37.66806	114.23818	12.95063	6.01952	15.50303	3.73E-08	2.24E-05	3.05E-06	1.15E-11	3.48E-11	2.75E-11	1.99E-14	4.82E-13	2.65826E-14	5.28082E-13	3.734E-08	2.2448E-05	3.04681E-06	1.17842E-11	8.06037E-14	5.88185E-12	1.34106E-14
720	570310.6	4178839	0.55, 41788	0.10118	0.0904	0.098	86.93136	38.98232	105.93151	10.86642	4.87279	13.24144	1.93E-08	2.08E-05	2.6E-06	5.94E-12	1.79E-11	1.42E-11	1.03E-14	2.48E-13	1.37127E-14	2.72413E-13	1.926E-08	2.0816E-05	2.60233E-06	6.07891E-12	4.15798E-14	3.03418E-12	6.91793E-15
721	570350.6	4178839	0.55, 41788	0.1118	0.10104	0.10874	92.10266	41.60712	103.12867	11.51283	5.43734	12.89108	2.14E-08	2.03E-05	2.53E-06	6.59E-12	1.99E-11	1.57E-11	1.14E-14	2.76E-13	1.52156E-14	3.02268E-13	2.137E-08	2.0266E-05	2.53352E-06	6.74512E-12	4.61366E-14	3.36671E-12	7.67609E-15
722	570390.6	4178839	0.55, 41788	0.12335	0.11299	0.12071	101.58992	44.39945	123.8041	13.097	6.32134	15.47551	2.37E-08	2.43E-05	3.04E-06	7.32E-12	2.21E-11	1.75E-11	1.27E-14	3.06E-13	1.68905E-14	3.35542E-13	2.372E-08	2.4328E-05	3.04141E-06	7.48763E-12	5.12154E-14	3.73732E-12	8.52108E-15
723	570430.6	4178839	0.55, 41788	0.13612	0.12663	0.1341	105.75261	46.22171	135.82058	15.10752	6.99394	17.72822	2.64E-08	2.67E-05	3.48E-06	8.13E-12	2.46E-11	1.94E-11	1.41E-14	3.4E-13	1.87642E-14	3.72763E-13	2.636E-08	2.6689E-05	3.48414E-06	8.31823E-12	5.68967E-14	4.15189E-12	9.46631E-15
724	570470.6	4178839	0.55, 41788	0.14941	0.1416	0.14777	113.55911	47.52324	144.14907	16.22273	7.30549	20.59272	2.9E-08	2.83E-05	4.05E-06	8.96E-12	2.71E-11	2.14E-11	1.55E-14	3.75E-13	2.0677E-14	4.10764E-13	2.904E-08	2.8326E-05	4.04703E-06	9.16621E-12	6.26969E-14	4.57515E-12	1.04313E-14
725	570510.6	4178839	0.55, 41788	0.16314	0.158	0.16129	114.44641	50.69094	152.51274	16.21485	7.16417	20.85712	3.17E-08	3E-05	4.1E-06	9.78E-12	2.95E-11	2.33E-11	1.69E-14	4.09E-13	2.2569E-14	4.48348E-13	3.17E-08	2.997E-05	4.09898E-06	1.00049E-11	6.84336E-14	4.99377E-12	1.13858E-14
726	570550.6	4178839	0.55, 41788	0.17704	0.17576	0.1737	109.2842	56.30775	135.99936	15.45924	8.75778	18.63755	3.41E-08	2.67E-05	3.66E-06	1.05E-11	3.18E-11	2.51E-11	1.82E-14	4.4E-13	2.43057E-14	4.82849E-13	3.414E-08	2.6725E-05	3.66283E-06	1.07748E-11	7.36996E-14	5.37804E-12	1.22619E-14
727	570590.6	4178839	0.55, 41788	0.1907	0.19445	0.18485	121.04262	57.73789	162.59872	17.123	9.62298	23.05827	3.63E-08	3.2E-05	4.53E-06	1.12E-11	3.39E-11	2.67E-11	1.94E-14	4.69E-13	2.58661E-14	5.13849E-13	3.633E-08	3.1952E-05	4.53152E-06	1.14666E-11	7.84313E-14	5.72333E-12	1.30492E-14
728	570630.6	4178839	0.55, 41788	0.20316	0.21304	0.19546	125.84874	56.85617	163.76967	17.26057	9.47603	21.8341	3.84E-08	3.22E-05	4.29E-06	1.19E-11	3.58E-11	2.83E-11	2.05E-14	4.95E-13	2.73511E-14	5.43348E-13	3.842E-08	3.2182E-05	4.291E-06	1.21248E-11	8.29338E-14	6.05189E-12	1.37983E-14
729	570670.6	4178839	0.55, 41788	0.21386	0.23043	0.20601	138.80556	56.19819	167.35734	17.35069	9.51337	20.91967	4.05E-08	3.29E-05	4.11E-06	1.25E-11	3.77E-11	2.98E-11	2.16E-14	5.22E-13	2.88275E-14	5.72679E-13	4.049E-08	3.2887E-05	4.11133E-06	1.27794E-11	8.74108E-14	6.37859E-12	1.45432E-14
730	570710.6	4178839	0.55, 41788	0.22462	0.24643	0.21368	139.69865	64.11019	158.44625	17.46233	11.64998	19.80578	4.2E-08	3.11E-05	3.89E-06	1.3E-11	3.91E-11	3.09E-11	2.24E-14	5.42E-13	2.99011E-14	5.94006E-13	4.2E-08	3.1136E-05	3.89248E-06	1.32553E-11	9.0666E-14	6.61613E-12	1.50848E-14
731	570750.6	4178839	0.55, 41788	0.23931	0.26333	0.21642	129.30344	65.03758	176.13066	16.25667	13.35444	22.02002	4.25E-08	3.46E-05	4.33E-06	1.31E-11	3.96E-11	3.13E-11	2.27E-14	5.49E-13	3.0285E-14	6.01634E-13	4.254E-08	3.4611E-05	4.32748E-06	1.34255E-11	9.18302E-14	6.70108E-12	1.52785E-14
732	570790.6	4178839	0.55, 41788	0.2546	0.28325	0.22784	148.04332	66.52984	161.44916	18.88746	13.10425	20.18115	4.48E-08	3.17E-05	3.97E-06	1.38E-11	4.17E-11	3.3E-11	2.39E-14	5.78E-13	3.18833E-14	6.33385E-13	4.478E-08	3.1726E-05	3.96631E-06	1.4134E-11	9.66766E-14	7.05473E-12	1.60848E-14
733	570830.6	4178839	0.55, 41788	0.26766	0.30497	0.26524	136.3658	90.38201	203.70222	17.19519	14.05196	26.51864	5.21E-08	4E-05	5.21E-06	1.61E-11	4.86E-11	3.84E-11	2.78E-14	6.72E-13	3.7116E-14	7.37336E-13	5.213E-08	4.003E-05	5.21144E-06	1.64537E-11	1.12543E-13	8.21255E-12	1.87246E-14
734	570870.6	4178839	0.55, 41788	0.28248	0.32215	0.27934	145.76117	97.26265	213.43334	18.22015	15.13016	26.67917	5.49E-08	4.19E-05	5.24E-06	1.69E-11	5.12E-11	4.04E-11	2.93E-14	7.08E-13	3.90891E-14	7.76533E-13	5.49E-08	4.1942E-05	5.24303E-06	1.73284E-11	1.18526E-13	8.64914E-12	1.972E-14
735	570910.6	4178839	0.55, 41788	0.28799	0.33135	0.25629	130.6935	87.1686	210.24612	16.33669	13.50967	26.28077	5.04E-08	4.13E-05	5.16E-06	1.55E-11	4.69E-11	3.71E-11	2.69E-14	6.5E-13	3.5865E-14	7.12483E-13	5.037E-08	4.1315E-05	5.16465E-06	1.58991E-11	1.0875E-13	7.93574E-12	1.80935E-14
736	570950.6	4178839	0.55, 41788	0.28758	0.33724	0.25781	143.26415	81.64199	232.33178	17.90802	13.93242	29.04147	5.07E-08	4.57E-05	5.71E-06	1.56E-11	4.72E-11	3.73E-11	2.71E-14	6.54E-13	3.60778E-14	7.16711E-13	5.067E-08	4.5654E-05	5.70717E-06	1.59934E-11	1.09395E-13	7.98284E-12	1.82009E-14
737	570990.6	4178839	0.55, 41788	0.28844	0.33412	0.27084	115.42228	74.82901	134.90402	15.11344	13.01217	21.06919	5.32E-08	2.65E-05	4.14E-06	1.64E-11	4.96E-11	3.92E-11	2.84E-14	6.87E-13	3.79005E-14	7.5292E-13	5.323E-08	2.6511E-05	4.14059E-06	1.68014E-11	1.14922E-13	8.38613E-12	1.91204E-14
738	571030.6	4178839	0.55, 41788	0.29049	0.32848	0.28015	122.60648	67.85889	167.69329	20.43441	11.21527	20.96166	5.51E-08	3.3E-05	4.12E-06	1.7E-11	5.13E-11	4.05E-11	2.94E-14	7.1E-13	3.92027E-14	7.78789E-13	5.506E-08	3.2953E-05	4.11976E-06	1.73787E-11	1.1887E-13	8.67426E-12	1.97773E-14
739	571070.6	4178839	0.55, 41788	0.28682	0.32211	0.27916	145.80556	62.69899	194.95005	22.09774	10.44682	32.49167	5.49E-08	3.83E-05	6.39E-06	1.69E-11	5.11E-11	4.04E-11	2.93E-14	7.08E-13	3.9064E-14	7.76033E-13	5.487E-08	3.8309E-05	6.38531E-06	1.73172E-11	1.1845E-13	8.64357E-12	1.97073E-14
740	571110.6	4178839	0.55, 41788	0.272	0.3104	0.2597	131.09883	59.8466	180.45962	17.36249	9.97443	23.15348	5.1E-08	3.55E-05	4.55E-06	1.58E-11	4.76E-11	3.76E-11	2.73E-14	6.58E-13	3.63412E-14	7.21944E-13	5.104E-08	3.5461E-05	4.55024E-06	1.61102E-11	1.10194E-13	8.04112E-12	1.83338E-14
741	571150.6	4178839	0.55, 41788	0.26	0.30055	0.24148	99.99815	55.57589	134.60776	12.49977	9.26315	16.82597	4.75E-08	2.65E-05	3.31E-06	1.46E-11	4.42E-11	3.49E-11	2.53E-14	6.12E-13	3.3792E-14	6.71303E-13	4.746E-08	2.6452E-05	3.30672E-06	1.49801E-11	1.02464E-13	7.47707E-12	1.70477E-14
742	571190.6	4178839	0.55, 41788	0.2552	0.29099	0.23588	127.82601	53.11626	132.48794	15.97966	8.85271	16.56099	4.64E-08	2.6E-05	3.25E-06	1.43E-11	4.32E-11	3.41E-11	2.48E-14	5.98E-13	3.30083E-14	6.55733E-13	4.636E-08	2.6035E-05	3.25484E-06	1.46327E-11	1.00088E-13	7.30365E-12	1.66523E-14
743	571230.6	4178839	0.55, 41788	0.25406	0.28009	0.23929	144.46225	51.51588	176.21864	18.06666	8.58598	22.02733	4.7E-08	3.46E-05	4.33E-06	1.45E-11	4.38E-11	3.46E-11	2.51E-14	6.07E-13	3.3485E-14	6.65202E-13	4.703E-08	3.4628E-05	4.32901E-06	1.4844E-11	1.01533E-13	7.40912E-12	1.68928E-14
744	571270.6	4178839	0.55, 41788	0.2507	0.26766	0.24251	121.82335	49.56018	161.92313	15.26733	8.26003	20.24326	4.77E-08	3.18E-05	3.98E-06	1.47E-11	4.44E-11	3.51E-11	2.55E-14	6.15E-13	3.3935E-14	6.74142E-13	4.766E-08	3.1818E-05	3.97832E-06	1.50435E-11	1.02898E-13	7.50869E-12	1.71198E-14
745	571310.6	4178839	0.55, 41788	0.24184	0.25433	0.23951	103.21026	44.65355	122.05645	14.74432	7.58702	17.43664	4.71E-08	2.4E-05	3.43E-06	1.45E-11	4.39E-11	3.46E-11	2.51E-14	6.07E-13	3.35148E-14	6.65795E-13	4.707E-08	2.3985E-05	3.42683E-06	1.48572E-11	1.01624E-13	7.41572E-12	1.69078E-14
746	571350.6	4178839	0.55, 41788	0.22797	0.24079	0.22797	99.0464	44.12829	113.73434	14.35742	7.39344	18.63488	4.48E-08	2.23E-05	3.66E-06	1.38E-11	4.17E-11	3.3E-11	2.39E-14	5.78E-13	3.18999E-14	6.33715E-13	4.481E-08	2.235E-05	3.66224E-06	1.41414E-11	9.6727E-14	7.05841E-12	1.60932E-14
747	571390.6	4178839	0.55, 41788	0.21103	0.22733	0.21036	102.76287	42.76623	112.22851	13.91866	7.25999	15.15441	4.13E-08	2.21E-05	2.98E-06	1.28E-11	3.85E-11	3.04E-11	2.21E-14	5.33E-13	2.94359E-14	5.84766E-13	4.134E-08	2.2054E-05	2.97836E-06	1.30491E-11	8.92556E-14	6.51321E-12	1.48501E-14
748	571430.6	4178839	0.55, 41788	0.19469	0.21494	0.19186	96.70075	41.37793	118.14409	13.13698	7.12068	15.87157	3.77E-08	2.32E-05	3.12E-06	1.16E-11	3.51E-11	2.78E-11	2.01E-14	4.86E-13	2.68475E-14	5.33344E-13	3.771E-08	2.3216E-05	3.11923E-06	1.19016E-11	8.14069E-14	5.94047E-12	1.35443E-14
749	571470.6	4178839	0.55, 41788	0.18137	0.20392	0.17665	77.02264	40.18933	97.95965	10.5662	6.94319	13.29535	3.47E-08	1.92E-05	2.61E-06	1.07E-11	3.23E-11	2.56E-11	1.85E-14	4.48E-13	2.47193E-14	4.91067E-13	3.472E-08	1.925E-05	2.6129E-06	1.09582E-11	7.49539E-14	5.46957E-12	1.24706E-14
750	571510.6	4178839	0.55, 41788	0.17253	0.19446	0.16733	52.60803	39.21497	67.39367	7.34906	6.67327	9.32595	3.29E-08	1.32E-05	1.83E-06	1.01E-11	3.06E-11	2.42E-11	1.76E-14	4.24E-13	2.34152E-14	4.65159E-13	3.289E-08	1.3244E-05	1.8328E-06	1.038E-11	7.09995E-14	5.18101E-12	1.18127E-14
751	571550.6	4178839	0.55, 41788	0.16797	0.18619	0.16347	68.59481	38.25365	67.50423	9.65516	6.29212	9.48561	3.21E-08	1.33E-05	1.86E-06	9.91E-12	2.99E-11	2.36E-11	1.72E-14	4.14E-13	2.28749E-14	4.54426E-13	3.213E-08	1.3266E-05	1.8643E-06	1.01405E-11	6.93613E-14	5.06147E-12	1.15401E-14
752	571590.6	4178839	0.55, 41788	0.16271	0.17607	0.15959	86.9293	37.04871	99.01478	11.93163	5.86384	13.49632	3.14E-08	1.95E-05	2.65E-06	9.68E-12	2.92E-11	2.31E-11	1.67E-14	4.05E-13	2.23318E-14	4.43636E-13	3.137E-08	1.9457E-05	2.65246E-06	9.89976E-12	6.77144E-14	4.94129E-12	1.12661E-14
753	570839.2	4178446	9.17, 41784	74.46739	6.86955	3.72049	1115.31188	246.53605	1658.95445	545.24687	92.47095	232.89196	7.32E-07	0.000326	4.58E-05	2.26E-10	6.82E-10	5.39E-10	3.91E-13	9.44E-12	5.20986E-13	1.03498E-11	7.318E-07	0.00032598	4.57891E-05	2.30955E-10	1.57973E-12	1.15277E-10	2.62832E-13
754	570839.2	4178486	9.17, 41784	72.70489	8.35312	4.22209	2611.28562	240.43522	1473.87155	1286.82968	90.10385	245.64526	8.3E-07	0.00029	4.83E-05	2.56E-10	7.74E-10	6.11E-10	4.43E-13	1.07E-11	5.91199E-13	1.17446E-11	8.304E-07	0.00028962	4.83349E-05	2.62081E-10	1.79263E-12	1.30813E-10	2.98254E-13
755	570879.2	4178406	9.17, 41784	9.26791	12.09581	2.86973	654.37651	281.54322	1652.24347	174.87233	99.71055	250.6883	5.64E-07	0.000325	4.93E-05	1.74E-10	5.26E-10	4.15E-10	3.01E-13	7.28E-12	4.019E-13	7.98403E-12	5.645E-07	0.00032466	4.92659E-05	1.78164E-10	1.21864E-12	8.89273E-11	2.02754E-13
756	570879.2	4178446	9.17, 41784	110.98197	13.33715	11.62742	3333.88644	260.53475	3586.87714	1717.50318	91.01179	770.8732	2.29E-06	0.000705	0.000152	7.05E-10	2.13E-09	1.68E-09	1.22E-12	2.95E-11	1.62745E-12	3.23305E-11	2.286E-06	0.0007048	0.000151557	7.21456E-10	4.93476E-12	3.60102E-10	8.21032E-13
757	570879.2	4178486	9.17, 41784	18.42358	13.79846	20.70311	473.0449	246.35325	4578.74855	141.68031	100.88831	655.29094	4.07E-06	0.0009	0.000129	1.26E-09	3.79E-09	2.99E-09	2.17E-12	5.25E-11	2.89671E-12	5.75451E-11	4.069E-06	0.00089967	0.000128762	1.28412E-09	8.78339E-12	6.40946E-10	1.46136E-12
758	570879.2	4178526	9.17, 41785	94.91809	17.71904	9.02777	3340.71117	271.69492	2014.80922	1490.9797	113.49448	441.47053	1.78E-06	0.000396	8.68E-05	5.48E-10	1.65E-09	1.31E-09	9.48E-13	2.29E-11	1.26388E-12	2.51078E-11	1.775E-06	0.00039591	8.68226E-05	5.60281E-10	3.83232E-12	2.79654E-10	6.37612E-13
759	570879.2	4178566	9.17, 41785	6.34056	7.84517	3.48916	517.57011	248.69096	1100.96831	138.67192	92.32789	171.27972	6.86E-07	0.000216	3.37E-05	2.12E-10	6.39E-10	5.05E-10	3.66E-13	8.85E-12	4.88394E-13	9.7023E-12	6.86E-07	0.00021634	3.36613E-05	2.16507E-10	1.48091E-12	1.08066E-10	2.4639E-13
760	570919.2	4178366	9.17, 41783	2.36921	8.89638	1.45024	279.82249	231.14799	970.86833	50.20448	85.64726	145.20587	2.85E-07	0.000191	2.85E-05	8.81E-11	2.66E-10	2.1E-10	1.52E-13	3.68E-12	2.0319E-13	4.03652E-12	2.854E-07	0.00019077	2.85334E-05	9.00751E-11	6.16114E-13	4.49594E-11	1.02507E-13
761	570919.2	4178406	9.17, 41784	7.16288	18.51893	2.95623	387.12304	281.06153	1814.51514	102.95605	123.97591	301.78328	5.82E-07	0.000357	5.93E-05	1.8E-10	5.42E-10	4.28E-10	3.11E-13	7.5E-12	4.14214E-13	8.22866E-12	5.818E-07	0.00035654	5.93014E-05	1.83623E-10	1.25598E-12	9.1652E-11	2.08967E-13
762	570919.2	4178446	9.17, 41784	30.90779	15.96768	15.85005	761.46723	266.85593	6280.62092	291.35016	97.37786	1155.63511	3.12E-06	0.001234	0.000227	9.61E-10	2.9E-09	2.29E-09	1.66E-12	4.02E-11	2.21794E-12	4.40609E-11	3.115E-06	0.00123406	0.00022708	9.8322E-10	6.72522E-12	4.90756E-10	1.11892E-12
763	570919.2	4178486	9.17, 41784	29.57453	18.16179	468.02027	992.62163	281.14129	31654.24271	425.98322	121.6397	9353.86757	9.2E-05	0.00622	0.001838	2.84E-08	8.57E-08	6.77E-08	4.91E-11	1.19E-09	6.54722E-11	1.30065E-09	9.196E-05	0.0062196	0.001837915	2.90241E-08	1.98525E-10	1.44868E-08	3.303E-11
764	570919.2	4178526	9.17, 41785	19.47257	21.77306	15.13476	427.44744	357.8357	3633.422	126.47105	151.21701	760.0028	2.97E-06	0.000714	0.000149	9.18E-10	2.77E-09	2.19E-09	1.59E-12	3.84E-11	2.11803E-12	4.20762E-11	2.975E-06	0.00071393	0.000149336	9.38931E-10	6.42229E-12	4.6865E-10	1.06852E-12
765	570919.2	4178566	9.17, 41785	68.70701	17.81326	4.44491	3547.24462	326.79695	1605.72558	1121.59815	123.62419	257.53275	8.75E-07	0.000316	5.07E-05	2.7E-10	8.15E-10	6.44E-10	4.67E-13	1.13E-11	6.22681E-13	1.237E-11	8.746E-07	0.00031554	5.06617E-05	2.76037E-10	1.88809E-12	1.37779E-10	3.14136E-13
766	570959.2	4178326	9.17, 41783	2.08146	12.83514	1.34475	279.67021	252.56813	633.18912	42.32993	97.81035	79.64117	2.65E-07	0.000124	1.57E-05	8.17E-11	2.47E-10	1.95E-10	1.41E-13	3.42E-12	1.88568E-13	3.74604E-12	2.649E-07	0.00012443	1.56506E-05	8.3593E-11	5.71776E-13	4.17239E-11	9.51306E-14
767	570959.2	4178366	9.17, 41783	2.97969	11.80225	1.85212	241.09871	252.07126	954.07883	42.48046	78.75938	136.29698	3.65E-07	0.000187	2.68E-05	1.12E-10	3.4E-10	2.68E-10	1.95E-13	4.7E-12	2.59512E-13	5.15539E-12	3.645E-07	0.00018748	2.67826E-05	1.15043E-10	7.86892E-13	5.74215E-11	1.30921E-13
768	570959.2	4178406	9.17, 41784	5.48321	18.00699	4.34111	312.89849	292.26242	1429.75284	67.10795	111.57482	238.11199	8.54E-07	0.000281	4.68E-05	2.63E-10	7.96E-10	6.28E-10	4.56E-13	1.1E-11	6.07921E-13	1.20768E-11	8.539E-07	0.00028094	4.6789E-05	2.69494E-10	1.84334E-12	1.34513E-10	3.06689E-13
769	570959.2	4178446	9.17, 41784	13.2141	15.9724	27.93872	471.07205	258.82785	2485.7483	129.84051	100.45092	486.63208	5.49E-06	0.000488	9.56E-05	1.69E-09	5.12E-09	4.04E-09	2.93E-12	7.08E-11	3.90895E-12	7.76541E-11	5.49E-06	0.00048843	9.56228E-05	1.73285E-09	1.18527E-11	8.64923E-10	1.97202E-12
770	570959.2	4178486	9.17, 41784	61.20406	15.71053	62.85492	1330.20017	250.50131	2800.83581	539.4281	101.77571	895.66291	1.24E-05	0.00055	0.000176	3.81E-09	1.15E-08	9.09E-09	6.59E-12	1.59E-10	8.79356E-12	1.7469E-10	1.235E-05	0.00055034	0.000176013	3.89822E-09	2.66638E-11	1.94573E-09	4.43626E-12
771	570959.2	4178526	9.17, 41785	233.18259	14.04006	12.98457	3491.90215	258.73899	2789.84609	1687.05022	110.68808	397.86928	2.55E-06	0.000548	7.83E-05	7.88E-10	2.38E-09	1.88E-09	1.36E-12	3.29E-11	1.8178E-12	3.61119E-11	2.553E-06	0.00054819	7.82662E-05	8.05839E-10	5.51194E-12	4.0222E-10	9.17062E-13
772	570999.2	4178286	9.17, 41782	4.82709	7.01905	1.81527	541.05323	230.67805	782.52024	117.6944	82.70868	130.42004	3.57E-07	0.000154	2.56E-05	1.1E-10	3.33E-10	2.63E-10	1.91E-13	4.61E-12	2.54199E-13	5.04985E-12	3.57E-07	0.00015377	2.56319E-05	1.12688E-10	7.70783E-13	5.62459E-11	1.28241E-13

773	570999.2	4178326	9.17, 41783	3.49216	17.23511	2.06149	334.8047	281.26172	702.77079	73.88295	121.01705	110.07877	4.06E-07	0.000138	2.16E-05	1.25E-10	3.78E-10	2.99E-10	2.17E-13	5.24E-12	2.8899E-13	5.741E-12	4.059E-07	0.0001381	2.16328E-05	1.28111E-10	8.76276E-13	6.39441E-11	1.45792E-13
774	570999.2	4178366	9.17, 41783	3.49499	15.86199	2.88936	258.09779	262.50756	719.40934	51.99585	99.38677	89.92617	5.69E-07	0.000141	1.77E-05	1.75E-10	5.3E-10	4.18E-10	3.04E-13	7.33E-12	4.04754E-13	8.04072E-12	5.685E-07	0.00014137	1.76719E-05	1.79429E-10	1.22729E-12	8.95587E-11	2.04194E-13
775	570999.2	4178406	9.17, 41784	4.67229	14.08019	6.50261	269.25985	258.20089	888.73579	48.54927	90.52886	138.83889	1.28E-06	0.000175	2.73E-05	3.94E-10	1.19E-09	9.41E-10	6.83E-13	1.65E-11	9.10155E-13	1.80809E-11	1.278E-06	0.00017464	2.72823E-05	4.03475E-10	2.75977E-12	2.01387E-10	4.59163E-13
776	570999.2	4178446	9.17, 41784	8.21208	17.59623	13.45709	365.10896	254.50285	1091.31402	80.87758	113.65243	185.77432	2.65E-06	0.000214	3.65E-05	8.16E-10	2.46E-09	1.95E-09	1.41E-12	3.41E-11	1.88315E-12	3.74102E-11	2.645E-06	0.00021444	3.65062E-05	8.34809E-10	5.71009E-12	4.1668E-10	9.5003E-13
777	570999.2	4178486	9.17, 41784	18.06608	14.21786	20.31738	585.19163	263.25351	1140.06137	156.20535	101.07997	297.24229	3.99E-06	0.000224	5.84E-05	1.23E-09	3.72E-09	2.94E-09	2.13E-12	5.15E-11	2.84276E-12	5.64735E-11	3.993E-06	0.00022402	5.8412E-05	1.26021E-09	8.61982E-12	6.2901E-10	1.43414E-12
778	571039.2	4178246	9.17, 41782	16.91212	6.90765	2.82369	857.31055	271.11205	1316.76682	274.95229	93.64332	189.48612	5.55E-07	0.000259	3.72E-05	1.71E-10	5.17E-10	4.09E-10	2.96E-13	7.16E-12	3.9531E-13	7.85312E-12	5.552E-07	0.00025874	3.7246E-05	1.75243E-10	1.19866E-12	8.74692E-11	1.9943E-13
779	571039.2	4178286	9.17, 41782	28.85834	15.10006	3.68614	1240.055	260.3069	1323.38037	549.80999	92.85324	215.01085	7.25E-07	0.00026	4.23E-05	2.24E-10	6.76E-10	5.34E-10	3.87E-13	9.35E-12	5.16288E-13	1.02564E-11	7.252E-07	0.00026004	4.2276E-05	2.28872E-10	1.56549E-12	1.14237E-10	2.60461E-13
780	571039.2	4178326	9.17, 41783	6.67676	17.1171	4.10991	443.85334	276.43557	1246.54946	131.23026	111.87763	155.81868	8.08E-07	0.000245	3.06E-05	2.49E-10	7.53E-10	5.95E-10	4.32E-13	1.04E-11	5.75552E-13	1.14338E-11	8.084E-07	0.00024494	3.06231E-05	2.55145E-10	1.74519E-12	1.27351E-10	2.9036E-13
781	571039.2	4178366	9.17, 41783	4.40971	16.57374	4.87433	310.01939	259.88486	992.68074	73.97776	106.04392	160.75052	9.59E-07	0.000195	3.16E-05	2.96E-10	8.93E-10	7.05E-10	5.12E-13	1.24E-11	6.8246E-13	1.35575E-11	9.586E-07	0.00019506	3.1589E-05	3.02537E-10	2.06935E-12	1.51006E-10	3.44293E-13
782	571039.2	4178406	9.17, 41784	4.40492	15.47088	6.2465	249.62047	251.60574	625.26496	54.55389	95.67705	86.62547	1.23E-06	0.000123	1.7E-05	3.79E-10	1.14E-09	9.04E-10	6.56E-13	1.58E-11	8.74375E-13	1.73701E-11	1.228E-06	0.00012287	1.70235E-05	3.87614E-10	2.65128E-12	1.9347E-10	4.41112E-13
783	571039.2	4178446	9.17, 41784	6.02235	17.33371	7.45895	271.18693	258.43077	565.95619	53.34538	113.33058	91.15286	1.47E-06	0.000111	1.79E-05	4.53E-10	1.37E-09	1.08E-09	7.83E-13	1.89E-11	1.04405E-12	2.07409E-11	1.466E-06	0.00011122	1.7913E-05	4.62834E-10	3.16578E-12	2.31015E-10	5.26714E-13
784	571079.2	4178246	9.17, 41782	26.90238	12.76385	4.78342	686.22219	257.40547	1959.72628	294.80616	92.56412	417.67679	9.41E-07	0.000385	8.21E-05	2.9E-10	8.76E-10	6.92E-10	5.02E-13	1.21E-11	6.69698E-13	1.3304E-11	9.406E-07	0.00038507	8.2083E-05	2.9688E-10	2.03066E-12	1.48182E-10	3.37855E-13
785	571079.2	4178286	9.17, 41782	49.90964	15.92317	13.80121	957.6563	283.49226	4117.74908	414.11972	108.09945	689.22522	2.71E-06	0.000809	0.000135	8.37E-10	2.53E-09	2E-09	1.45E-12	3.5E-11	1.9314E-12	3.83685E-11	2.713E-06	0.00080909	0.000135445	8.56195E-10	5.85638E-12	4.27354E-10	9.74368E-13
786	571079.2	4178326	9.17, 41783	16.67986	14.36437	14.4793	793.60016	243.70787	3077.685	313.14105	91.11491	664.711	2.85E-06	0.000605	0.000131	8.78E-10	2.65E-09	2.09E-09	1.52E-12	3.67E-11	2.02607E-12	4.02493E-11	2.846E-06	0.00060473	0.000130622	8.98165E-10	6.14345E-12	4.48303E-10	1.02213E-12
787	571079.2	4178366	9.17, 41783	6.18218	17.09307	7.0902	419.38901	255.0076	1488.27193	110.95083	108.56867	287.95219	1.39E-06	0.000292	5.66E-05	4.3E-10	1.3E-09	1.03E-09	7.44E-13	1.8E-11	9.92463E-13	1.9716E-11	1.394E-06	0.00029244	5.65842E-05	4.39963E-10	3.00934E-12	2.19599E-10	5.00687E-13
788	571079.2	4178406	9.17, 41784	4.42977	14.91	5.35349	310.20505	209.99469	815.89349	72.09993	91.11305	117.58287	1.05E-06	0.00016	2.31E-05	3.25E-10	9.81E-10	7.75E-10	5.62E-13	1.36E-11	7.49432E-13	1.4888E-11	1.053E-06	0.00016032	2.31071E-05	3.32226E-10	2.27243E-12	1.65825E-10	3.7808E-13
789	571119.2	4178286	9.17, 41782	25.0824	15.07438	138.00946	507.91812	256.39153	16734.57469	211.8106	106.96205	4271.60103	2.71E-05	0.003288	0.000839	8.37E-09	2.53E-08	2E-08	1.45E-11	3.5E-10	1.93068E-11	3.83543E-10	2.712E-05	0.0032881	0.000839316	8.55877E-09	5.8542E-11	4.27195E-09	9.74006E-12
790	571119.2	4178326	9.17, 41783	197.49067	14.51391	52.98238	3348.29445	230.6601	7805.71053	1622.72219	95.52079	2122.69744	1.04E-05	0.001534	0.000417	3.21E-09	9.7E-09	7.66E-09	5.56E-12	1.34E-10	7.41298E-12	1.47264E-10	1.041E-05	0.00153373	0.000417165	3.2862E-09	2.24776E-11	1.64025E-09	3.73977E-12
791	571119.2	4178366	9.17, 41783	10.01384	12.46582	9.59129	630.48898	206.62645	2115.5821	198.58486	83.22549	424.70779	1.89E-06	0.000416	8.35E-05	5.82E-10	1.76E-09	1.39E-09	1.01E-12	2.43E-11	1.3422E-12	2.66637E-11	1.885E-06	0.00041569	8.34593E-05	5.95001E-10	4.0698E-12	2.96984E-10	6.77123E-13
792	571159.2	4178326	9.17, 41783	219.15803	19.05137	35.48029	3124.9508	277.70648	3646.5914	1560.39264	128.55095	753.34584	6.97E-06	0.000717	0.000148	2.15E-09	6.5E-09	5.13E-09	3.72E-12	8.99E-11	4.96485E-12	9.86303E-11	6.973E-06	0.00071653	0.000148105	2.20094E-09	1.50544E-11	1.09856E-09	2.50471E-12
793	570808.8	4178465	8.82, 41784	10.95844	3.34212	2.15804	1253.90468	193.66587	956.23037	302.59047	56.7134	159.37173	4.24E-07	0.000188	3.13E-05	1.31E-10	3.95E-10	3.12E-10	2.27E-13	5.47E-12	3.02046E-13	6.00036E-12	4.242E-07	0.0001879	3.13304E-05	1.33898E-10	9.15864E-13	6.68329E-11	1.52379E-13
794	570823.9	4178530	3.91, 41785	3.05561	3.25593	2.40542	358.64643	197.99385	1108.94733	70.39413	63.38636	140.39269	4.73E-07	0.000218	2.76E-05	1.46E-10	4.41E-10	3.48E-10	2.52E-13	6.1E-12	3.36619E-13	6.68717E-12	4.728E-07	0.0002179	2.75888E-05	1.49224E-10	1.02069E-12	7.44826E-11	1.6982E-13
795	570883.3	4178602	3.31, 41786	3.07425	4.49746	2.05933	479.66242	287.53386	914.81532	94.76169	103.00469	119.05382	4.05E-07	0.00018	2.34E-05	1.25E-10	3.77E-10	2.98E-10	2.16E-13	5.22E-12	2.88247E-13	5.72623E-12	4.049E-07	0.00017976	2.33974E-05	1.27781E-10	8.74022E-13	6.37796E-11	1.45417E-13
796	571181.5	4178310	1.45, 41783	77.30582	13.12592	35.80897	2585.53888	242.23364	1672.90767	872.95261	114.20023	513.62427	7.04E-06	0.000329	0.000101	2.17E-09	6.56E-09	5.18E-09	3.76E-12	9.08E-11	5.01007E-12	9.95287E-11	7.037E-06	0.00032873	0.000100966	2.22099E-09	1.51915E-11	1.10856E-09	2.52753E-12
797	571067.8	4178207	7.83, 41782	5.36607	4.9243	1.64986	895.65181	299.02694	904.65641	223.56067	96.05921	144.20823	3.24E-07	0.000178	2.83E-05	1E-10	3.02E-10	2.39E-10	1.73E-13	4.18E-12	2.3099E-13	4.58878E-12	3.244E-07	0.00017777	2.83468E-05	1.02399E-10	7.00407E-13	5.11105E-11	1.16532E-13
798	570799.9	4178447	9.89, 41784	4.88888	2.78293	1.75814	732.83791	152.28075	768.58836	142.77112	52.0733	124.31973	3.46E-07	0.000151	2.44E-05	1.07E-10	3.22E-10	2.54E-10	1.85E-13	4.46E-12	2.46061E-13	4.88818E-12	3.456E-07	0.00015103	2.44346E-05	1.0908E-10	7.46107E-13	5.44453E-11	1.24135E-13

	Trenching	Grading	Stockpile
Emissions Rate (g/s):	2.74E-11	2.43E-10	9.86E-07

				Concentration [µg/m^3] at 1 g/s									Concentration (µg/m^3) Unmitigated			Unmitigated Residential Dose			Risk by Age Group				Unmitigated			Student Unmitigated		Worker Unmitigated	
#	X	Y	X,Y	Trenching Period	Grading Period	Stockpile Period	Treching 1hr	Grading 1hr	Stockpile 1hr	Trenching 8hr	Grading 8hr	Stockpile 8hr	Period Tota	1hr Total	8hr Total	3rd	0<2	2<9	3rd	0<2	2<9	Total Risk	Chronic	Acute	8hr	Dose	Risk	Dose	Risk
1	570310.6	4177919	0.55, 41779	0.08215	0.06425	0.08047	53.98877	25.74637	57.86027	6.7486	3.78109	7.23253	7.93E-08	5.7E-05	7.13E-06	2.45E-11	7.39E-11	5.84E-11	0	0	0	0	1.133E-10	2.5928E-09	7.13E-06	2.50403E-11	0	1.24984E-11	0
2	570350.6	4177919	0.55, 41779	0.08744	0.06946	0.0859	61.34869	26.43683	62.74615	7.66859	3.66465	7.84327	8.47E-08	6.19E-05	7.73E-06	2.61E-11	7.89E-11	6.23E-11	0	0	0	0	1.21E-10	2.8117E-09	7.73E-06	2.67301E-11	0	1.33418E-11	0
3	570390.6	4177919	0.55, 41779	0.09273	0.07514	0.09126	67.57642	27.23616	68.95787	8.44705	3.80844	8.61973	9E-08	6.8E-05	8.5E-06	2.78E-11	8.38E-11	6.62E-11	0	0	0	0	1.285E-10	3.09E-09	8.5E-06	2.83981E-11	0	1.41744E-11	0
4	570430.6	4177919	0.55, 41779	0.09799	0.08123	0.09661	71.34976	28.07066	72.35504	8.91872	4.01428	9.04438	9.53E-08	7.13E-05	8.92E-06	2.94E-11	8.87E-11	7.01E-11	0	0	0	0	1.361E-10	3.2423E-09	8.92E-06	3.0063E-11	0	1.50054E-11	0
5	570470.6	4177919	0.55, 41779	0.10292	0.08757	0.10182	71.34124	28.88227	71.18869	8.91766	4.18506	8.89859	1E-07	7.02E-05	8.77E-06	3.1E-11	9.35E-11	7.39E-11	0	0	0	0	1.434E-10	3.19E-09	8.77E-06	3.16844E-11	0	1.58147E-11	0
6	570510.6	4177919	0.55, 41779	0.10719	0.09397	0.10631	70.57748	29.51269	72.86498	8.82218	4.31581	9.10812	1.05E-07	7.18E-05	8.98E-06	3.23E-11	9.77E-11	7.71E-11	0	0	0	0	1.497E-10	3.2651E-09	8.98E-06	3.30818E-11	0	1.65122E-11	0
7	570550.6	4177919	0.55, 41779	0.11095	0.10041	0.10942	80.02506	30.00614	83.29269	10.00313	4.88273	10.41159	1.08E-07	8.21E-05	1.03E-05	3.33E-11	1.01E-10	7.94E-11	0	0	0	0	1.541E-10	3.7324E-09	1.03E-05	3.40499E-11	0	1.69954E-11	0
8	570590.6	4177919	0.55, 41779	0.11537	0.10684	0.11183	81.14556	31.22548	84.40479	10.14319	5.49199	10.5506	1.1E-07	8.32E-05	1.04E-05	3.4E-11	1.03E-10	8.11E-11	0	0	0	0	1.575E-10	3.7822E-09	1.04E-05	3.48002E-11	0	1.73699E-11	0
9	570630.6	4177919	0.55, 41779	0.12154	0.11343	0.11602	82.02682	32.76834	84.97635	10.54682	6.07261	10.62204	1.14E-07	8.38E-05	1.05E-05	3.53E-11	1.07E-10	8.42E-11	0	0	0	0	1.634E-10	3.8078E-09	1.05E-05	3.61043E-11	0	1.80208E-11	0
10	570670.6	4177919	0.55, 41779	0.12896	0.11974	0.12346	90.28793	34.09351	94.2666	12.11861	6.60764	13.84836	1.22E-07	9.29E-05	1.37E-05	3.76E-11	1.13E-10	8.96E-11	0	0	0	0	1.739E-10	4.2241E-09	1.37E-05	3.84194E-11	0	1.91764E-11	0
11	570710.6	4177919	0.55, 41779	0.13589	0.12543	0.13131	92.03158	38.34133	98.54944	11.50395	7.03486	13.72911	1.29E-07	9.72E-05	1.35E-05	4E-11	1.21E-10	9.53E-11	0	0	0	0	1.85E-10	4.416E-09	1.35E-05	4.08621E-11	0	2.03956E-11	0
12	570750.6	4177919	0.55, 41779	0.14097	0.13029	0.13561	98.93292	42.68075	106.54938	12.36662	7.25038	14.15663	1.34E-07	0.000105	1.4E-05	4.13E-11	1.25E-10	9.84E-11	0	0	0	0	1.91E-10	4.7745E-09	1.4E-05	4.22003E-11	0	2.10635E-11	0
13	570790.6	4177919	0.55, 41779	0.1434	0.13429	0.137	101.78306	44.96916	112.12821	12.72288	7.16867	14.01603	1.35E-07	0.000111	1.38E-05	4.17E-11	1.26E-10	9.94E-11	0	0	0	0	1.93E-10	5.0245E-09	1.38E-05	4.2633E-11	0	2.12795E-11	0
14	570830.6	4177919	0.55, 41779	0.14249	0.1373	0.1371	103.05806	46.92439	113.14313	12.88226	6.63254	14.14289	1.35E-07	0.000112	1.39E-05	4.17E-11	1.26E-10	9.95E-11	0	0	0	0	1.931E-10	5.07E-09	1.39E-05	4.26644E-11	0	2.12952E-11	0
15	570870.6	4177919	0.55, 41779	0.13915	0.13926	0.13269	113.81753	49.41272	127.10432	14.22719	6.17659	15.88804	1.31E-07	0.000125	1.57E-05	4.04E-11	1.22E-10	9.63E-11	0	0	0	0	1.869E-10	5.6956E-09	1.57E-05	4.12925E-11	0	2.06104E-11	0
16	570910.6	4177919	0.55, 41779	0.13537	0.14116	0.12571	103.09741	52.00284	118.27061	16.13684	6.50036	14.78383	1.24E-07	0.000117	1.46E-05	3.82E-11	1.15E-10	9.12E-11	0	0	0	0	1.771E-10	5.2998E-09	1.46E-05	3.91211E-11	0	1.95266E-11	0
17	570950.6	4177919	0.55, 41779	0.13129	0.14261	0.12523	128.63222	54.75687	154.09416	19.7206	7.6051	23.34348	1.23E-07	0.000152	2.3E-05	3.81E-11	1.15E-10	9.09E-11	0	0	0	0	1.764E-10	6.9049E-09	2.3E-05	3.89719E-11	0	1.94521E-11	0
18	570990.6	4177919	0.55, 41779	0.12715	0.1442	0.12572	126.51514	58.01026	163.29109	18.07359	9.36612	23.3273	1.24E-07	0.000161	2.3E-05	3.83E-11	1.15E-10	9.12E-11	0	0	0	0	1.771E-10	7.317E-09	2.3E-05	3.91244E-11	0	1.95282E-11	0
19	571030.6	4177919	0.55, 41779	0.12254	0.14609	0.11762	125.39004	62.99788	174.41478	17.19472	10.49965	21.80185	1.16E-07	0.000172	2.15E-05	3.58E-11	1.08E-10	8.54E-11	0	0	0	0	1.657E-10	7.8155E-09	2.15E-05	3.66045E-11	0	1.82705E-11	0
20	571070.6	4177919	0.55, 41779	0.1201	0.14847	0.1104	126.80092	67.58831	177.9713	16.22667	10.87469	22.24641	1.09E-07	0.000175	2.19E-05	3.36E-11	1.01E-10	8.01E-11	0	0	0	0	1.555E-10	7.9749E-09	2.19E-05	3.43585E-11	0	1.71494E-11	0
21	571110.6	4177919	0.55, 41779	0.1205	0.15044	0.10927	126.62476	68.47754	165.66905	20.2586	9.61445	20.70863	1.08E-07	0.000163	2.04E-05	3.32E-11	1E-10	7.93E-11	0	0	0	0	1.539E-10	7.4237E-09	2.04E-05	3.40071E-11	0	1.6974E-11	0
22	571150.6	4177919	0.55, 41779	0.1212	0.15159	0.11602	131.66409	62.22893	172.39569	21.10658	9.19459	24.99313	1.14E-07	0.00017	2.46E-05	3.53E-11	1.07E-10	8.42E-11	0	0	0	0	1.634E-10	7.725E-09	2.46E-05	3.61072E-11	0	1.80222E-11	0
23	571190.6	4177919	0.55, 41779	0.12215	0.15198	0.11825	137.85581	66.48698	180.99172	19.69369	10.25241	26.94632	1.17E-07	0.000178	2.66E-05	3.6E-11	1.09E-10	8.58E-11	0	0	0	0	1.666E-10	8.1102E-09	2.66E-05	3.6801E-11	0	1.83685E-11	0
24	571230.6	4177919	0.55, 41779	0.12354	0.15154	0.11348	148.65332	75.08948	179.38421	21.23619	9.50538	22.42303	1.12E-07	0.000177	2.21E-05	3.45E-11	1.04E-10	8.24E-11	0	0	0	0	1.599E-10	8.0383E-09	2.21E-05	3.5317E-11	0	1.76278E-11	0
25	571270.6	4177919	0.55, 41779	0.12544	0.15047	0.11372	135.01221	73.55453	181.97135	18.66937	9.80753	25.99591	1.12E-07	0.000179	2.56E-05	3.46E-11	1.04E-10	8.25E-11	0	0	0	0	1.602E-10	8.1542E-09	2.56E-05	3.53916E-11	0	1.76651E-11	0
26	571310.6	4177919	0.55, 41779	0.12844	0.14895	0.1185	144.25948	74.57026	160.72945	18.03243	9.63087	20.79832	1.17E-07	0.000158	2.05E-05	3.61E-11	1.09E-10	8.6E-11	0	0	0	0	1.669E-10	7.2025E-09	2.05E-05	3.68786E-11	0	1.84073E-11	0
27	571350.6	4177919	0.55, 41779	0.13264	0.1484	0.12186	134.13439	65.82548	182.86761	16.7668	8.49886	22.85845	1.2E-07	0.00018	2.25E-05	3.71E-11	1.12E-10	8.84E-11	0	0	0	0	1.717E-10	8.1943E-09	2.25E-05	3.79239E-11	0	1.8929E-11	0
28	571390.6	4177919	0.55, 41779	0.13487	0.1464	0.12015	140.45529	51.40311	177.22554	17.55691	7.98518	22.15319	1.18E-07	0.000175	2.18E-05	3.66E-11	1.1E-10	8.72E-11	0	0	0	0	1.692E-10	7.9413E-09	2.18E-05	3.73918E-11	0	1.86634E-11	0
29	571430.6	4177919	0.55, 41779	0.14548	0.15293	0.12366	139.19794	49.3636	190.22803	17.39974	7.65374	23.7785	1.22E-07	0.000188	2.34E-05	3.76E-11	1.14E-10	8.97E-11	0	0	0	0	1.742E-10	8.5239E-09	2.34E-05	3.84843E-11	0	1.92088E-11	0
30	571470.6	4177919	0.55, 41779	0.15916	0.16179	0.13045	134.87595	45.89373	190.37308	16.85949	6.86379	23.79664	1.29E-07	0.000188	2.35E-05	3.97E-11	1.2E-10	9.47E-11	0	0	0	0	1.838E-10	8.5303E-09	2.35E-05	4.05975E-11	0	2.02635E-11	0
31	571510.6	4177919	0.55, 41779	0.17426	0.17151	0.14116	122.2315	42.4201	161.48029	15.27894	5.85942	20.18504	1.39E-07	0.000159	1.99E-05	4.3E-11	1.3E-10	1.02E-10	0	0	0	0	1.988E-10	7.2357E-09	1.99E-05	4.39304E-11	0	2.1927E-11	0
32	571550.6	4177919	0.55, 41779	0.18787	0.18026	0.15558	112.99449	35.73716	155.78517	14.12431	5.76206	19.47315	1.53E-07	0.000154	1.92E-05	4.73E-11	1.43E-10	1.13E-10	0	0	0	0	2.192E-10	6.9805E-09	1.92E-05	4.84173E-11	0	2.41666E-11	0
33	571590.6	4177919	0.55, 41779	0.19949	0.18751	0.17419	94.68734	29.26563	123.69427	11.83592	5.30509	15.46178	1.72E-07	0.000122	1.52E-05	5.3E-11	1.6E-10	1.26E-10	0	0	0	0	2.454E-10	5.5426E-09	1.52E-05	5.42076E-11	0	2.70568E-11	0
34	570310.6	4177959	0.55, 41779	0.08597	0.06676	0.0838	56.89619	26.25101	62.23098	7.11202	4.18522	7.77887	8.26E-08	6.13E-05	7.67E-06	2.55E-11	7.7E-11	6.08E-11	0	0	0	0	1.18E-10	2.7886E-09	7.67E-06	2.60765E-11	0	1.30156E-11	0
35	570350.6	4177959	0.55, 41779	0.09204	0.07257	0.08995	58.96006	27.16756	63.77509	7.37001	4.19821	7.97189	8.87E-08	6.29E-05	7.86E-06	2.74E-11	8.26E-11	6.53E-11	0	0	0	0	1.267E-10	2.8578E-09	7.86E-06	2.79903E-11	0	1.39709E-11	0
36	570390.6	4177959	0.55, 41779	0.09833	0.07904	0.09639	63.0038	28.02201	66.12463	7.87548	4.15896	8.26558	9.5E-08	6.52E-05	8.15E-06	2.93E-11	8.85E-11	6.99E-11	0	0	0	0	1.358E-10	2.9631E-09	8.15E-06	2.99944E-11	0	1.49712E-11	0
37	570430.6	4177959	0.55, 41779	0.10461	0.08611	0.10266	70.72142	28.76698	72.80329	8.84018	4.23038	9.10041	1.01E-07	7.18E-05	8.97E-06	3.12E-11	9.43E-11	7.45E-11	0	0	0	0	1.446E-10	3.2624E-09	8.97E-06	3.19456E-11	0	1.59451E-11	0
38	570470.6	4177959	0.55, 41779	0.11098	0.09385	0.10929	78.78718	29.82596	80.74124	9.8484	4.47695	10.09265	1.08E-07	7.96E-05	9.95E-06	3.33E-11	1E-10	7.93E-11	0	0	0	0	1.539E-10	3.618E-09	9.95E-06	3.40089E-11	0	1.69749E-11	0
39	570510.6	4177959	0.55, 41779	0.1169	0.10189	0.11567	83.26174	30.87615	84.48278	10.40772	4.70339	10.56035	1.14E-07	8.33E-05	1.04E-05	3.52E-11	1.06E-10	8.39E-11	0	0	0	0	1.629E-10	3.7857E-09	1.04E-05	3.59944E-11	0	1.7966E-11	0
40	570550.6	4177959	0.55, 41779	0.12213	0.11	0.12099	82.46075	31.83495	82.01237	10.30759	4.9071	10.25155	1.19E-07	8.09E-05	1.01E-05	3.68E-11	1.11E-10	8.78E-11	0	0	0	0	1.704E-10	3.675E-09	1.01E-05	3.76502E-11	0	1.87924E-11	0
41	570590.6	4177959	0.55, 41779	0.1275	0.1185	0.12492	87.61849	32.53805	91.54904	10.95231	5.6614	11.44363	1.23E-07	9.03E-05	1.13E-05	3.8E-11	1.15E-10	9.06E-11	0	0	0	0	1.76E-10	4.1023E-09	1.13E-05	3.88735E-11	0	1.9403E-11	0
42	570630.6	4177959	0.55, 41779	0.13429	0.12721	0.12893	94.25098	33.95012	99.61773	11.78137	6.34882	12.45222	1.27E-07	9.82E-05	1.23E-05	3.92E-11	1.18E-10	9.36E-11	0	0	0	0	1.816E-10	4.4639E-09	1.23E-05	4.01218E-11	0	2.00261E-11	0
43	570670.6	4177959	0.55, 41779	0.1434	0.13582	0.13624	91.47953	35.4429	96.20253	12.89467	6.97952	13.63762	1.34E-07	9.48E-05	1.34E-05	4.15E-11	1.25E-10	9.89E-11	0	0	0	0	1.919E-10	4.3109E-09	1.34E-05	4.23967E-11	0	2.11616E-11	0
44	570710.6	4177959	0.55, 41779	0.15342	0.14402	0.1467	103.54122	38.62398	108.53691	12.94265	7.57754	15.98544	1.45E-07	0.000107	1.58E-05	4.46E-11	1.35E-10	1.06E-10	0	0	0	0	2.066E-10	4.8635E-09	1.58E-05	4.56516E-11	0	2.27862E-11	0
45	570750.6	4177959	0.55, 41779	0.16261	0.1515	0.15549	105.52732	44.38977	114.23814	13.19092	8.09206	15.7724	1.53E-07	0.000113	1.56E-05	4.73E-11	1.43E-10	1.13E-10	0	0	0	0	2.19E-10	5.1191E-09	1.56E-05	4.83869E-11	0	2.41514E-11	0
46	570790.6	4177959	0.55, 41779	0.16989	0.15823	0.16076	113.60479	47.24143	124.57926	14.2006	8.3928	15.57241	1.59E-07	0.000123	1.54E-05	4.89E-11	1.48E-10	1.17E-10	0	0	0	0	2.264E-10	5.5824E-09	1.54E-05	5.0027E-11	0	2.49701E-11	0
47	570830.6	4177959	0.55, 41779	0.1738	0.16401	0.16481	115.20896	49.45722	130.36471	14.40112	8.28774	16.29559	1.62E-07	0.000129	1.61E-05	5.01E-11	1.51E-10	1.2E-10	0	0	0	0	2.321E-10	5.8417E-09	1.61E-05	5.12874E-11	0	2.55992E-11	0
48	570870.6	4177959	0.55, 41779	0.17339	0.16851	0.16469	122.33209	52.01335	138.82114	15.29151	7.46689	17.35264	1.62E-07	0.000137	1.71E-05	5.01E-11	1.51E-10	1.2E-10	0	0	0	0	2.32E-10	6.2206E-09	1.71E-05	5.12504E-11	0	2.55807E-11	0
49	570910.6	4177959	0.55, 41779	0.16973	0.17204	0.1579	128.70888	55.67631	149.19916	16.08861	6.95954	18.64989	1.56E-07	0.000147	1.84E-05	4.8E-11	1.45E-10	1.15E-10	0	0	0	0	2.224E-10	6.6856E-09	1.84E-05	4.91383E-11	0	2.45265E-11	0
50	570950.6	4177959	0.55, 41779	0.16375	0.1746	0.15354	137.78687	58.35606	146.62449	21.41966	8.40086	22.62642	1.51E-07	0.000145	2.23E-05	4.67E-11	1.41E-10	1.11E-10	0	0	0	0	2.163E-10	6.5703E-09	2.23E-05	4.7782E-11	0	2.38495E-11	0
51	570990.6	4177959	0.55, 41779	0.1571	0.17611	0.15296	148.41379	62.43724	189.01685	21.20197	10.20575	28.13097	1.51E-07	0.000186	2.77E-05	4.65E-11	1.41E-10	1.11E-10	0	0	0	0	2.155E-10	8.4698E-09	2.77E-05	4.76016E-11	0	2.37595E-11	0
52	571030.6	4177959	0.55, 41779	0.15135	0.1787	0.14372	141.29712	68.4386	198.29024	19.05284	11.40643	25.9054	1.42E-07	0.000195	2.55E-05	4.37E-11	1.32E-10	1.04E-10	0	0	0	0	2.024E-10	8.8853E-09	2.55E-05	4.47272E-11	0	2.23247E-11	0
53	571070.6	4177959	0.55, 41779	0.14838	0.1815	0.13361	143.49488	74.36914	202.29359	18.79197	11.80682	25.2867	1.32E-07	0.000199	2.49E-05	4.07E-11	1.23E-10	9.7E-11	0	0	0	0	1.882E-10	9.0648E-09	2.49E-05	4.15821E-11	0	2.07549E-11	0
54	571110.6	4177959	0.55, 41779	0.14858	0.18375	0.13332	140.62761	73.34522	192.64407	22.74237	10.22286	24.08051	1.31E-07	0.00019	2.37E-05	4.06E-11	1.22E-10	9.68E-11	0	0	0	0	1.878E-10	8.6324E-09	2.37E-05	4.1492E-11	0	2.071E-11	0
55	571150.6	4177959	0.55, 41779	0.14994	0.18566	0.14292	146.3467	67.83983	199.40983	22.92053	11.48399	30.37919	1.41E-07	0.000197	3E-05	4.35E-11	1.31E-10	1.04E-10	0	0	0	0	2.013E-10	8.9355E-09	3E-05	4.44788E-11	0	2.22008E-11	0
56	571190.6	4177959	0.55, 41779	0.1525	0.18616	0.14359	161.89014	78.97315	204.49698	23.12716	11.84075	29.21385	1.42E-07	0.000202	2.88E-05	4.37E-11	1.32E-10	1.04E-10	0	0	0	0	2.023E-10	9.1635E-09	2.88E-05	4.46873E-11	0	2.23049E-11	0
57	571230.6	4177959	0.55, 41779	0.15542	0.18516	0.1383	156.07845	81.92899	197.17574	22.29692	11.22006	24.64697	1.36E-07	0.000194	2.43E-05	4.21E-11	1.27E-10	1E-10	0	0	0	0	1.948E-10	8.8355E-09	2.43E-05	4.30415E-11	0	2.14834E-11	0
58	571270.6	4177959	0.55, 41779	0.15909	0.18379	0.14205	158.42767	82.70179	205.30007	19.80346	11.54254	29.32858	1.4E-07	0.000202	2.89E-05	4.32E-11	1.31E-10	1.03E-10	0	0	0	0	2.001E-10	9.1996E-09	2.89E-05	4.42081E-11	0	2.20657E-11	0
59	571310.6	4177959	0.55, 41779	0.1655	0.18382	0.1484	150.26158	75.50789	204.0765	18.7827	10.48328	25.50956	1.46E-07	0.000201	2.52E-05	4.52E-11	1.36E-10	1.08E-10	0	0	0	0	2.09E-10	9.1447E-09	2.52E-05	4.61836E-11	0	2.30517E-11	0
60	571350.6	4177959	0.55, 41779	0.17654	0.1881	0.15257	154.82597	60.83045	189.56737	19.35325	9.71095	23.69592	1.5E-07	0.000187	2.34E-05	4.64E-11	1.4E-10	1.11E-10	0	0	0	0	2.149E-10	8.4944E-09	2.34E-05	4.74814E-11	0	2.36995E-11	0
61	571390.6	4177959	0.55, 41779	0.18842	0.1934	0.15428	152.92189	54.55359	214.59873	19.11524	9.16318	26.82484	1.52E-07	0.000212	2.64E-05	4.69E-11	1.42E-10	1.12E-10	0	0	0	0	2.173E-10	9.6159E-09	2.64E-05	4.80139E-11	0	2.39653E-11	0
62	571430.6	4177959	0.55, 41779	0.20645	0.20414	0.16292	148.33328	50.38722	217.66749	18.54166	8.09078	27.20844	1.61E-07	0.000215	2.68E-05	4.96E-11	1.5E-10	1.18E-10	0	0	0	0	2.295E-10	9.7533E-09	2.68E-05	5.07028E-11	0	2.53074E-11	0
63	571470.6	4177959	0.55, 41779	0.22554	0.21577	0.17809	134.13897	46.24246	185.84967	16.76737	6.92684	23.23121	1.76E-07	0.000183	2.29E-05	5.42E-11	1.64E-10	1.29E-10	0	0	0	0	2.509E-10	8.3277E-09	2.29E-05	5.54233E-11	0	2.76636E-11	0
64	571510.6	4177959	0.55, 41779	0.24332	0.22654	0.20114	122.33786	38.55117	174.21255	15.29223	6.75463	21.77657	1.98E-07	0.000172	2.15E-05	6.12E-11	1.85E-10	1.46E-10	0	0	0	0	2.833E-10	7.8062E-09	2.15E-05	6.25953E-11	0	3.12433E-11	0
65	571550.6	4177959	0.55, 41779	0.25539	0.23344	0.22684	100.38932	31.1899	131.18831	12.54867	6.13877	16.39854	2.24E-07	0.000129	1.62E-05	6.9E-11	2.08E-10	1.65E-10	0	0	0	0	3.195E-10	5.8784E-09	1.62E-05	7.05914E-11	0	3.52344E-11	0
66	571590.6	4177959	0.55, 41779	0.26174	0.2364	0.25018	103.20811	24.1035	113.64553	12.90101	5.55119	14.20569	2.47E-07	0.000112	1.4E-05	7.61E-11	2.3E-10	1.82E-10	0	0	0	0	3.524E-10	5.0923E-09	1.4E-05	7.78529E-11	0	3.88588E-11	0
67	570310.6	4177999	0.55, 41779	0.08992	0.06909	0.08739	61.55411	26.71644	63.33313	7.69426	4.42886	7.91664	8.62E-08	6.24E-05	7.81E-06	2.66E-11	8.03E-11	6.34E-11	0	0	0	0	1.231E-10	2.838E-09	7.81E-06	2.71936E-11	0	1.35732E-11	0
68	570350.6	4177999	0.55, 41779	0.09687	0.07551	0.09431	63.16088	27.72336	68.96816	7.89511	4.52605	8.62102	9.3E-08	6.8E-05	8.5E-06	2.87E-11	8.66E-11	6.84E-11	0	0	0	0	1.328E-10	3.0905E-09	8.5E-06	2.9347E-11	0	1.4648E-11	0
69	570390.6	4177999	0.55, 41779	0.10411	0.08268	0.10154	65.18315	28.66629	70.59128	8.14789	4.5901	8.82391	1E-07	6.96E-05	8.7E-06	3.09E-11	9.33E-11	7.37E-11	0	0	0	0	1.43E-10	3.1632E-09	8.7E-06	3.15969E-11	0	1.5771E-11	0
70	570430.6	4177999	0.55, 41779	0.11178	0.0909	0.10932	69.77828	29.77159	73.90272	8.72229	4.64595	9.23784	1.08E-07	7.29E-05	9.11E-06	3.33E-11	1E-10	7.93E-11	0	0	0	0	1.54E-10	3.3116E-09	9.11E-06	3.4018E-11	0	1.69795E-11	0
71	570470.6	4177999	0.55, 41779	0.11947	0.09994	0.11702	73.23749	30.82615	79.61188	9.15469	4.70414	9.95148	1.15E-07	7.85E-05	9.81E-06	3.56E-11	1.07E-10	8.49E-11	0	0	0	0	1.648E-10	3.5674E-09	9.81E-06	3.64143E-11	0	1.81755E-11	0
72	570510.6	4177999	0.55, 41779	0.12689	0.1096	0.1248	83.36058	31.87471	86.19643	10.42007	5.00665	10.77455	1.23E-07	8.5E-05	1.06E-05	3.8E-11	1.15E-10	9.06E-11	0	0	0	0	1.758E-10	3.8625E-09	1.06E-05	3.88355E-11	0	1.9384E-11	0
73	570550.6	4177999	0.55, 41779	0.1338	0.11968	0.13227	93.92369	33.13511	96.59692	11.74046	5.30601	12.07462	1.3E-07	9.52E-05	1.19E-05	4.02E-11	1.22E-10	9.6E-11	0	0	0	0	1.863E-10	4.3285E-09	1.19E-05	4.11603E-11	0	2.05444E-11	0
74	570590.6	4177999	0.55, 41779	0.14077	0.13095	0.13895	98.98148	34.43475	100.81152	12.37268	5.77536	12.60144	1.37E-07	9.94E-05	1.24E-05	4.23E-11	1.28E-10	1.01E-10	0	0	0	0	1.957E-10	4.5174E-09	1.24E-05	4.32394E-11	0	2.15822E-11	0
75	570630.6	4177999	0.55, 41779	0.14863	0.14246	0.14416	96.29887	35.58815	97.29546	12.03736	6.62596	12.16193	1.42E-07	9.59E-05	1.2E-05	4.39E-11	1.32E-10	1.05E-10	0	0	0	0	2.031E-10	4.3598E-09	1.2E-05	4.48612E-11	0	2.23917E-11	0
76	570670.6	4177999	0.55, 41779	0.15906	0.15417	0.15133	108.0953	37.02771	115.61321	13.51191	7.37805	14.45165	1.49E-07	0.000114	1.42E-05	4.6E-11	1.39E-10	1.1E-10	0	0	0	0	2.132E-10	5.1806E-09	1.42E-05	4.70928E-11	0	2.35055E-11	0
77	570710.6	4177999	0.55, 41779	0.17207	0.16581	0.16328	109.21603	39.28347	116.55796	14.39109	8.06843	17.60456	1.61E-07	0.000115	1.74E-05	4.97E-11	1.5E-10	1.18E-10	0	0	0	0	2.3E-10	5.2229E-09	1.74E-05	5.08116E-11	0	2.53617E-11	0
78	570750.6	4177999	0.55, 41779	0.18601	0.17706	0.17647	119.66853	46.10023	126.10142	14.95857	8.7788	16.77146	1.74E-07	0.000124	1.65E-05	5.37E-11	1.62E-10	1.28E-10	0	0	0	0	2.486E-10	5.6506E-09	1.65E-05	5.4916E-11	0	2.74103E-11	0
79	570790.6	4177999	0.55, 41779	0.19953	0.18772	0.18696	122.67556	49.8289	134.57394	15.33445	9.45426	16.82174	1.84E-07	0.000133	1.66E-05	5.69E-11	1.72E-10	1.36E-10	0	0	0	0	2.633E-10	6.0303E-09	1.66E-05	5.81805E-11	0	2.90397E-11	0
80	570830.6	4177999	0.55, 41779	0.21109	0.19773	0.1968	133.54261	52.4094	148.58094	16.69283	9.90962	18.57262	1.94E-07	0.000146	1.83E-05	5.99E-11	1.81E-10	1.43E-10	0	0	0	0	2.772E-10	6.6579E-09	1.83E-05	6.12426E-11	0	3.05681E-11	0
81	570870.6	4177999	0.55, 41779	0.21804	0.20674	0.20398	131.45449	55.15858	156.57352	16.43181	9.77159	19.57169	2.01E-07	0.000154	1.93E-05	6.21E-11	1.87E-10	1.48E-10	0	0	0	0	2.873E-10	7.016E-09	1.93E-05	6.34771E-11	0	3.16835E-11	0
82	570910.6	4177999	0.55, 41779	0.21803	0.21414	0.20286	148.11273	59.13207	173.84644	18.51409	8.43226	21.73081	2E-07	0.000171	2.14E-05	6.17E-11	1.86E-10	1.47E-10	0	0	0	0	2.857E-10	7.79E-09	2.14E-05	6.31292E-11	0	3.15098E-11	0
83	570950.6	4177999	0.55, 41779	0.2114	0.21889	0.19586	140.12444	63.58464	170.21851	21.83562	9.32684	21.27731	1.93E-07	0.000168	2.1E-05	5.96E-11	1.8E-10	1.42E-10	0	0	0	0	2.759E-10	7.6275E-09	2.1E-05	6.09518E-11	0	3.0423E-11	0
84	570990.6	4177999	0.55, 41779	0.2013	0.22185	0.19061	171.25011	67.61488	221.4052	25.43318	11.18299	33.45295	1.88E-07	0.000218	3.3E-05	5.8E-11	1.75E-10	1.38E-10	0	0	0	0	2.685E-10	9.921E-09	3.3E-05	5.93186E-11	0	2.96078E-11	0
85	571030.6	4177999	0.55, 41779	0.19301	0.22456	0.1804	161.4506	75.02365	233.40135	21.94671	12.50394	33.34305	1.78E-07	0.00023	3.29E-05	5.49E-11	1.66E-10	1.31E-10	0	0	0	0	2.541E-10	1.0459E-08	3.29E-05	5.61424E-11	0	2.80225E-11	0
86	571070.6	4177999	0.55, 41779	0.18927	0.22808	0.16676	165.36156	82.48884	231.46597	21.97245	12.95225	28.93325	1.64E-07	0.000228	2.85E-05	5.07E-11	1.53E-10	1.21E-10	0	0	0	0	2.349E-10	1.0372E-08	2.85E-05	5.18991E-11	0	2.59045E-11	0
87	571110.6	4177999	0.55, 41779	0.18141	0.21619	0.16049	158.60632	80.72549	237.56536	25.62624	11.81551	29.69982	1.58E-07	0.000234	2.93E-05	4.88E-11	1.47E-10	1.16E-10	0	0	0	0	2.261E-10	1.0645E-08	2.93E-05	4.99475E-11	0	2.49304E-11	0
88	571150.6	4177999	0.55, 41779	0.19202	0.23351	0.18032	164.05988	80.42402	231.86209	24.96785	14.13496	37.65816	1.78E-07	0.000229	3.71E-05	5.49E-11	1.66E-10	1.31E-10	0	0	0	0	2.54E-10	1.039E-08	3.71E-05	5.61182E-11	0	2.80104E-11	0
89	571190.6	4177999	0.55, 41779	0.1978	0.23414	0.17819	182.21875	91.74664	241.78028	26.03125	13.21695	31.92825	1.76E-07	0.000238	3.15E-05	5.42E-11	1.64E-10	1.29E-10	0	0	0	0	2.51E-10	1.0834E-08	3.15E-05	5.54556E-11	0	2.76797E-11	0
90	571230.6	4177999	0.55, 41779	0.20367	0.23289	0.17473	172.67663	91.69738	231.55794	22.62496	13.85272	33.07971	1.72E-07	0.000228	3.26E-05	5.32E-11	1.61E-10	1.27E-10	0	0	0	0	2.461E-10	1.0376E-08	3.26E-05	5.43792E-11	0	2.71424E-11	0
91	571270.6	4177999	0.55, 41779	0.21358	0.23476	0.18394	171.66845	86.35935	210.57834	21.45856	13.01074	28.58393	1.81E-07	0.000208	2.82E-05	5.6E-11	1.69E-10	1.33E-10	0	0	0	0	2.591E-10	9.4361E-09	2.82E-05	5.72447E-11	0	2.85726E-11	0
92	571310.6	4177999	0.55, 41779	0.23025	0.24083	0.19159	171.26207	72.34733	231.62674	21.40776	11.81711	28.95334	1.89E-07	0.000228	2.85E-05	5.83E-11	1.76E-10	1.39E-10	0	0	0	0	2.699E-10	1.0379E-08	2.85E-05	5.96252E-11	0	2.97609E-11	0
93	571350.6	4177999	0.55, 41779	0.25373	0.25254	0.198	169.27826	60.68614	249.61103	21.15978	11.13084	31.20138	1.95E-07	0.000246	3.08E-05	6.02E-11	1.82E-10	1.44E-10	0	0	0	0	2.789E-10	1.1185E-08	3.08E-05	6.16205E-11	0	3.07568E-11	0
94	571390.6	4177999	0.55, 41779	0.27999	0.26698	0.21185	164.13881	55.69534	253.30621	20.51735	9.69774	31.66328	2.09E-07	0.00025	3.12E-05	6.45E-11	1.95E-10	1.54E-10	0	0	0	0	2.984E-10	1.135E-08	3.12E-05	6.59307E-11	0	3.29081E-11	0
95	571430.6	4177999	0.55, 41779	0.30187	0.27888	0.2328	148.06777	50.74185	217.39094	18.50847	8.30154	27.17387	2.3E-07	0.000214	2.68E-05	7.08E-11	2.14E-10	1.69E-10	0	0	0	0	3.279E-10	9.7409E-09	2.68E-05	7.24494E-11	0	3.61618E-11	0
96	571470.6	4177999	0.55, 41779	0.32222	0.29016	0.268	133.22849	41.8567	195.88733	16.65356	8.00082	24.48592	2.64E-07	0.000193	2.41E-05	8.15E-11	2.46E-10	1.94E-10	0	0	0	0	3.775E-10	8.7773E-09	2.41E-05	8.34014E-11	0	4.16283E-11	0
97	571510.6	4177999	0.55, 41779	0.33311	0.29527	0.30394	113.25391	33.39085	138.27651	14.15674	7.16119	17.28456	3E-07	0.000136	1.7E-05	9.25E-11	2.79E-10	2.21E-10	0	0	0	0	4.281E-10	6.196E-09	1.7E-05	9.4583E-11	0	4.72094E-11	0
98	571550.6	4177999	0.55, 41779	0.33431	0.29408	0.33024	118.79132	25.19774	142.42424	14.84891	6.75336	17.80303	3.26E-07	0.00014	1.76E-05	1E-10	3.03E-10	2.4E-10	0	0	0	0	4.651E-10	6.3817E-09	1.76E-05	1.02765E-10	0	5.12933E-11	0
99	571590.6	4177999	0.55, 41779	0.32897	0.28857	0.34209	117.12124	19.87515	150.29933	14.64016	6.7762	18.78742	3.37E-07	0.000148	1.85E-05	1.04E-10	3.14E-10	2.48E-10	0	0	0	0	4.818E-10	6.7345E-09	1.85E-05	1.06451E-10	0	5.31332E-11	0
100	570310.6	4178039	0.55, 41780	0.09395	0.07118	0.09114	60.38117	27.45867	68.75884	7.54765	4.57644	8.59485	8.99E-08	6.78E-05	8.47E-06	2.77E-11	8.37E-11	6.61E-11	0	0	0	0	1.284E-10	3.0811E-09	8.47E-06	2.83605E-11	0	1.41556E-11	0
101	570350.6	4178039	0.55, 41780	0.10181	0.07823	0.09867	67.40685	28.30867	69.9761	8.42586	4.71811	8.74701	9.73E-08	6.9E-05	8.62E-06	3E-11	9.06E-11	7.16E-11	0	0	0	0	1.39E-10	3.1357E-09	8.62E-06	3.07037E-11	0	1.53252E-11	0
102	570390.6	4178039	0.55, 41780	0.11033	0.08626	0.10708	70.86935	29.39362	77.00767	8.85867	4.86131	9.62596	1.06E-07	7.59E-05	9.49E-06	3.26E-11	9.84E-11	7.77E-11	0	0	0	0	1.508E-10	3.4507E-09	9.49E-06	3.33208E-11	0	1.66315E-11	0
103	570430.6	4178039	0.55, 41780	0.11935	0.09539	0.11615	72.77771	30.53752	78.92837	9.09721	4.99157	9.86605	1.15E-07	7.78E-05	9.73E-06	3.53E-11	1.07E-10	8.43E-11	0	0	0	0	1.636E-10	3.5368E-09	9.73E-06	3.61433E-11	0	1.80403E-11	0
104	570470.6	4178039	0.55, 41780	0.12876	0.10583	0.1256	77.88414	31.78332	83.40463	9.73552	5.12346	10.42558	1.24E-07	8.22E-05	1.03E-05	3.82E-11	1.15E-10	9.11E-11	0	0	0	0	1.769E-10	3.7374E-09	1.03E-05	3.90841E-11	0	1.95081E-11	0
105	570510.6	4178039	0.55, 41780	0.13797	0.11733	0.13491	81.61557	33.05226	90.60057	10.20195	5.27698	11.32507	1.33E-07	8.93E-05	1.12E-05	4.1E-11	1.24E-10	9.79E-11	0	0	0	0	1.9E-10	4.0598E-09	1.12E-05	4.19815E-11	0	2.09543E-11	0
106	570550.6	4178039	0.55, 41780	0.14677	0.12979	0.14418	83.22783	34.40977	92.92473	10.40348	5.64664	11.61559	1.42E-07	9.16E-05	1.15E-05	4.39E-11	1.32E-10	1.05E-10	0	0	0	0	2.031E-10	4.164E-09	1.15E-05	4.48665E-11	0	2.23943E-11	0
107	570590.6	4178039	0.55, 41780	0.15543	0.14397	0.15331	100.7883	35.81672	104.85134	12.59854	6.05306	13.10642	1.51E-07	0.000103	1.29E-05	4.66E-11	1.41E-10	1.11E-10	0	0	0	0	2.159E-10	4.6984E-09	1.29E-05	4.7708E-11	0	2.38126E-11	0
108	570630.6	4178039	0.55, 41780	0.16446	0.15887	0.16086	114.63184	37.47906	118.86748	14.32898	6.85921	14.85844	1.59E-07	0.000117	1.46E-05	4.89E-11	1.48E-10	1.17E-10	0	0	0	0	2.266E-10	5.3264E-09	1.46E-05	5.00581E-11	0	2.49856E-11	0
109	570670.6	4178039	0.55, 41780	0.17604	0.17458	0.16859	120.19022	39.09251	122.97013	15.02378	7.81169	15.37127	1.66E-07	0.000121	1.52E-05	5.13E-11	1.55E-10	1.22E-10	0	0	0	0	2.375E-10	5.5103E-09	1.52E-05	5.24642E-11	0	2.61866E-11	0
110	570710.6	4178039	0.55, 41780	0.19156	0.191	0.18153	122.05191	40.81454	130.55962	15.86896	8.63568	17.88475	1.79E-07	0.000129	1.76E-05	5.52E-11	1.67E-10	1.32E-10	0	0	0	0	2.557E-10	5.8503E-09	1.76E-05	5.64914E-11	0	2.81966E-11	0
111	570750.6	4178039	0.55, 41780	0.2105	0.20761	0.19902	132.53323	47.68084	144.79481	16.56665	9.43658	19.64627	1.96E-07	0.000143	1.94E-05	6.06E-11	1.83E-10	1.44E-10	0	0	0	0	2.803E-10	6.4882E-09	1.94E-05	6.1934E-11	0	3.09133E-11	0
112	570790.6	4178039	0.55, 41780	0.23169	0.22417	0.21523	139.552	52.7884	147.64201	17.444	10.33029	19.40572	2.12E-07	0.000146	1.91E-05	6.55E-11	1.98E-10	1.56E-10	0	0	0	0	3.032E-10	6.6158E-09	1.91E-05	6.69785E-11	0	3.34311E-11	0
113	570830.6	4178039	0.55, 41780	0.25382	0.24067	0.23208	145.24751	55.81087	161.73262	18.15594	11.28689	20.21658	2.29E-07	0.000159	1.99E-05	7.06E-11	2.13E-10	1.68E-10	0	0	0	0	3.269E-10	7.2472E-09	1.99E-05	7.22221E-11	0	3.60484E-11	0
114	570870.6	4178039	0.55, 41780	0.27385	0.25672	0.25028	159.27674	59.06353	181.66903	19.90959	12.04587	22.70863	2.47E-07	0.000179	2.24E-05	7.61E-11	2.3E-10	1.82E-10	0	0	0	0	3.525E-10	8.1405E-09	2.24E-05	7.78856E-11	0	3.88752E-11	0
115	570910.6	4178039	0.55, 41780	0.28498	0.272	0.26185	154.31681	63.03506	190.144	19.2896	11.80173	23.768	2.58E-07	0.000187	2.34E-05	7.97E-11	2.41E-10	1.9E-10	0	0	0	0	3.688E-10	8.5203E-09	2.34E-05	8.14864E-11	0	4.06725E-11	0
116	570950.6	4178039	0.55, 41780	0.28313	0.28254	0.2606	178.15221	69.82475	214.80591	22.26903	10.41815	26.85074	2.57E-07	0.000212	2.65E-05	7.93E-11	2.39E-10	1.89E-10	0	0	0	0	3.671E-10	9.6254E-09	2.65E-05	8.10983E-11	0	4.04788E-11	0
117	570990.6	4178039	0.55, 41780	0.27042	0.28832	0.24711	188.87787	74.10995	223.28286	29.14051	12.35166	34.29706	2.44E-07	0.00022	3.38E-05	7.52E-11	2.27E-10	1.79E-10	0	0	0	0	3.481E-10	1.0005E-08	3.38E-05	7.69018E-11	0	3.83842E-11	0
118	571030.6	4178039	0.55, 41780	0.25749	0.29249	0.23391	188.96663	83.29257	277.8919	26.99523	13.88209	39.69884	2.31E-07	0.000274	3.91E-05	7.12E-11	2.15E-10	1.7E-10	0	0	0	0	3.295E-10	1.2452E-08	3.91E-05	7.27954E-11	0	3.63345E-11	0
119	571070.6	4178039	0.55, 41780	0.25163	0.29646	0.21613	192.59035	92.57991	271.23553	26.01862	14.40126	34.27332	2.13E-07	0.000267	3.38E-05	6.58E-11	1.99E-10	1.57E-10	0	0	0	0	3.045E-10	1.2154E-08	3.38E-05	6.72642E-11	0	3.35737E-11	0
120	571110.6	4178039	0.55, 41780	0.23996	0.28057	0.20816	179.79911	89.13384	295.00102	29.33997	15.522	36.88643	2.05E-07	0.000291	3.64E-05	6.33E-11	1.91E-10	1.51E-10	0	0	0	0	2.932E-10	1.3219E-08	3.64E-05	6.47834E-11	0	3.23355E-11	0
121	571150.6	4178039	0.55, 41780	0.25767	0.30302	0.23363	202.30498	100.11261	284.90591	28.90071	16.95197	47.48432	2.3E-07	0.000281	4.68E-05	7.11E-11	2.15E-10	1.7E-10	0	0	0	0	3.291E-10	1.2767E-08	4.68E-05	7.27091E-11	0	3.62915E-11	0
122	571190.6	4178039	0.55, 41780	0.27122	0.30641	0.22867	194.68377	101.89225	297.80862	27.81197	16.7188	37.22608	2.25E-07	0.000294	3.67E-05	6.96E-11	2.1E-10	1.66E-10	0	0	0	0	3.221E-10	1.3345E-08	3.67E-05	7.11664E-11	0	3.55214E-11	0
123	571230.6	4178039	0.55, 41780	0.28804	0.31092	0.2326	196.84209	99.06119	294.63263	24.60526	16.26482	42.09038	2.29E-07	0.00029	4.15E-05	7.08E-11	2.14E-10	1.69E-10	0	0	0	0	3.277E-10	1.3202E-08	4.15E-05	7.23896E-11	0	3.61319E-11	0
124	571270.6	4178039	0.55, 41780	0.31661	0.32283	0.24843	191.8709	85.51951	280.99547	23.98386	14.63938	35.12443	2.45E-07	0.000277	3.46E-05	7.56E-11	2.28E-10	1.8E-10	0	0	0	0	3.5E-10	1.2591E-08	3.46E-05	7.73155E-11	0	3.85907E-11	0
125	571310.6	4178039	0.55, 41780	0.35598	0.34149	0.26147	189.38373	68.10225	290.04443	23.67297	13.72977	36.25555	2.58E-07	0.000286	3.57E-05	7.96E-11	2.4E-10	1.9E-10	0	0	0	0	3.683E-10	1.2996E-08	3.57E-05	8.13741E-11	0	4.06164E-11	0
126	571350.6	4178039	0.55, 41780	0.39399	0.35989	0.2835	182.95784	62.01914	299.45287	22.86973	11.81322	37.43161	2.8E-07	0.000295	3.69E-05	8.63E-11	2.6E-10	2.06E-10	0	0	0	0	3.994E-10	1.3418E-08	3.69E-05	8.82295E-11	0	4.40382E-11	0
127	571390.6	4178039	0.55, 41780	0.4222	0.3733	0.32107	164.47464	56.17724	258.72398	20.55933	10.13431	32.3405	3.17E-07	0.000255	3.19E-05	9.77E-11	2.95E-10	2.33E-10	0	0	0	0	4.523E-10	1.1593E-08	3.19E-05	9.9919E-11	0	4.98728E-11	0
128	571430.6	4178039	0.55, 41780	0.44026	0.38105	0.3744	146.31006	45.8458	221.86738	18.28876	9.60517	27.73342	3.69E-07	0.000219	2.73E-05	1.14E-10	3.44E-10	2.72E-10	0	0	0	0	5.274E-10	9.9414E-09	2.73E-05	1.16511E-10	0	5.81544E-11	0
129	571470.6	4178039	0.55, 41780	0.44344	0.3799	0.42037	134.05635	35.96521	154.66668	16.75704	8.42199	19.33334	4.14E-07	0.000152	1.91E-05	1.28E-10	3.86E-10	3.05E-10	0	0	0	0	5.921E-10	6.9304E-09	1.91E-05	1.30813E-10	0	6.52927E-11	0
130	571510.6	4178039	0.55, 41780	0.43369	0.37075	0.44522	135.2804	26.4112	176.84451	16.91005	8.14543	22.10556	4.39E-07	0.000174	2.18E-05	1.35E-10	4.09E-10	3.23E-10	0	0	0	0	6.271E-10	7.924E-09	2.18E-05	1.38543E-10	0	6.91511E-11	0
131	571550.6	4178039	0.55, 41780	0.4157	0.35641	0.44493	128.00174	25.24959	172.96462	16.00022	7.84928	21.62058	4.39E-07	0.000171	2.13E-05	1.35E-10	4.09E-10	3.23E-10	0	0	0	0	6.267E-10	7.7501E-09	2.13E-05	1.38451E-10	0	6.91054E-11	0
132	571590.6	4178039	0.55, 41780	0.38889	0.33646	0.4222	114.21376	28.264	151.26331	14.27672	7.21894	18.90791	4.16E-07	0.000149	1.86E-05	1.28E-10	3.88E-10	3.06E-10	0	0	0	0	5.947E-10	6.7778E-09	1.86E-05	1.31378E-10	0	6.5575E-11	0
133	570310.6	4178079	0.55, 41780	0.09792	0.07296	0.09477	71.40728	28.01469	77.09789	8.92591	4.66912	9.63724	9.34E-08	7.6E-05	9.5E-06	2.88E-11	8.71E-11	6.88E-11	0	0	0	0	1.335E-10	3.4548E-09	9.5E-06	2.94899E-11	0	1.47194E-11	0
134	570350.6	4178079	0.55, 41780	0.1067	0.08065	0.10312	70.03301	29.10671	80.22931	8.75413	4.85112	10.02866	1.02E-07	7.91E-05	9.89E-06	3.14E-11	9.47E-11	7.48E-11	0	0	0	0	1.452E-10	3.5951E-09	9.89E-06	3.20883E-11	0	1.60163E-11	0
135	570390.6	4178079	0.55, 41780	0.11641	0.08948	0.11242	73.93226	30.15719	77.81828	9.24153	5.0262	9.72728	1.11E-07	7.67E-05	9.59E-06	3.42E-11	1.03E-10	8.16E-11	0	0	0	0	1.583E-10	3.4871E-09	9.59E-06	3.49824E-11	0	1.74608E-11	0
136	570430.6	4178079	0.55, 41780	0.12715	0.09969	0.12302	79.99098	31.34254	86.52141	9.99887	5.20891	10.81518	1.21E-07	8.53E-05	1.07E-05	3.74E-11	1.13E-10	8.93E-11	0	0	0	0	1.733E-10	3.877E-09	1.07E-05	3.8281E-11	0	1.91073E-11	0
137	570470.6	4178079	0.55, 41780	0.13857	0.11144	0.13449	81.53824	32.65768	88.86509	10.19228	5.39019	11.10814	1.33E-07	8.76E-05	1.1E-05	4.09E-11	1.24E-10	9.76E-11	0	0	0	0	1.894E-10	3.9821E-09	1.1E-05	4.18504E-11	0	2.08889E-11	0
138	570510.6	4178079	0.55, 41780	0.15049	0.12507	0.14657	87.75299	34.11951	95.20757	10.96912	5.60116	11.90095	1.45E-07	9.39E-05	1.17E-05	4.46E-11	1.35E-10	1.06E-10	0	0	0	0	2.064E-10	4.2663E-09	1.17E-05	4.56097E-11	0	2.27652E-11	0
139	570550.6	4178079	0.55, 41780	0.16198	0.14034	0.1583	91.64015	35.64897	104.22382	11.45502	5.99366	13.02798	1.56E-07	0.000103	1.28E-05	4.82E-11	1.45E-10	1.15E-10	0	0	0	0	2.23E-10	4.6702E-09	1.28E-05	4.92602E-11	0	2.45873E-11	0
140	570590.6	4178079	0.55, 41780	0.17272	0.15744	0.16968	88.35639	37.38874	105.88084	11.57204	6.46071	13.23511	1.67E-07	0.000104	1.3E-05	5.16E-11	1.56E-10	1.23E-10	0	0	0	0	2.39E-10	4.7445E-09	1.3E-05	5.2802E-11	0	2.63552E-11	0
141	570630.6	4178079	0.55, 41780	0.1831	0.1763	0.17984	101.08083	39.23196	114.54818	12.6351	7.02353	14.31852	1.77E-07	0.000113	1.41E-05	5.47E-11	1.65E-10	1.31E-10	0	0	0	0	2.533E-10	5.1329E-09	1.41E-05	5.59644E-11	0	2.79336E-11	0
142	570670.6	4178079	0.55, 41780	0.19537	0.19687	0.18849	125.63761	41.20021	131.91916	15.7047	8.22231	16.4899	1.86E-07	0.00013	1.63E-05	5.73E-11	1.73E-10	1.37E-10	0	0	0	0	2.655E-10	5.9112E-09	1.63E-05	5.86571E-11	0	2.92776E-11	0
143	570710.6	4178079	0.55, 41780	0.21241	0.21933	0.20096	144.38379	43.29239	151.59141	18.04797	9.29195	18.94893	1.98E-07	0.000149	1.87E-05	6.11E-11	1.85E-10	1.46E-10	0	0	0	0	2.831E-10	6.7927E-09	1.87E-05	6.25385E-11	0	3.1215E-11	0
144	570750.6	4178079	0.55, 41780	0.23537	0.24332	0.2221	149.96792	48.92505	154.1756	18.74599	10.23	23.04389	2.19E-07	0.000152	2.27E-05	6.76E-11	2.04E-10	1.61E-10	0	0	0	0	3.128E-10	6.9086E-09	2.27E-05	6.91173E-11	0	3.44987E-11	0
145	570790.6	4178079	0.55, 41780	0.26445	0.26867	0.24585	159.48841	56.15329	178.05216	19.93605	11.24377	22.79466	2.42E-07	0.000176	2.25E-05	7.48E-11	2.26E-10	1.78E-10	0	0	0	0	3.463E-10	7.9784E-09	2.25E-05	7.65083E-11	0	3.81877E-11	0
146	570830.6	4178079	0.55, 41780	0.30001	0.29551	0.27029	164.85959	59.75168	177.78875	20.60745	12.43332	22.22359	2.67E-07	0.000175	2.19E-05	8.22E-11	2.48E-10	1.96E-10	0	0	0	0	3.807E-10	7.9667E-09	2.19E-05	8.41141E-11	0	4.1984E-11	0
147	570870.6	4178079	0.55, 41780	0.34051	0.32416	0.30185	178.96906	63.85658	203.22306	22.37113	13.91568	25.40288	2.98E-07	0.0002	2.5E-05	9.18E-11	2.77E-10	2.19E-10	0	0	0	0	4.252E-10	9.1063E-09	2.5E-05	9.39351E-11	0	4.6886E-11	0
148	570910.6	4178079	0.55, 41780	0.37529	0.35313	0.33459	192.82824	68.49057	229.7632	24.10353	15.26079	28.7204	3.3E-07	0.000227	2.83E-05	1.02E-10	3.07E-10	2.43E-10	0	0	0	0	4.713E-10	1.0296E-08	2.83E-05	1.04123E-10	0	5.19712E-11	0
149	570950.6	4178079	0.55, 41780	0.39192	0.37725	0.35493	199.56835	75.56845	241.42387	26.9715	14.65967	30.17798	3.5E-07	0.000238	2.98E-05	1.08E-10	3.26E-10	2.58E-10	0	0	0	0	4.999E-10	1.0818E-08	2.98E-05	1.10453E-10	0	5.51307E-11	0
150	570990.6	4178079	0.55, 41780	0.38624	0.39167	0.34038	209.52387	83.72546	270.89556	31.32288	13.79848	33.86195	3.36E-07	0.000267	3.34E-05	1.04E-10	3.13E-10	2.47E-10	0	0	0	0	4.795E-10	1.2139E-08	3.34E-05	1.05928E-10	0	5.28718E-11	0
151	571030.6	4178079	0.55, 41780	0.36706	0.40059	0.31708	238.62537	94.19927	346.28961	34.73297	15.69988	52.33117	3.13E-07	0.000341	5.16E-05	9.65E-11	2.91E-10	2.3E-10	0	0	0	0	4.467E-10	1.5517E-08	5.16E-05	9.86793E-11	0	4.9254E-11	0
152	571070.6	4178079	0.55, 41780	0.35702	0.41066	0.29659	228.92087	105.90077	368.47625	31.45005	16.61116	46.05953	2.92E-07	0.000363	4.54E-05	9.02E-11	2.72E-10	2.15E-10	0	0	0	0	4.178E-10	1.6511E-08	4.54E-05	9.23055E-11	0	4.60726E-11	0
153	571110.6	4178079	0.55, 41780	0.35812	0.41418	0.29542	212.64364	104.08221	374.64105	34.6648	20.98986	46.90606	2.91E-07	0.000369	4.62E-05	8.99E-11	2.71E-10	2.14E-10	0	0	0	0	4.162E-10	1.6787E-08	4.62E-05	9.19418E-11	0	4.58911E-11	0
154	571150.6	4178079	0.55, 41780	0.37758	0.42317	0.31748	239.48451	117.47672	371.65504	34.21207	20.38272	60.67868	3.13E-07	0.000366	5.98E-05	9.66E-11	2.92E-10	2.3E-10	0	0	0	0	4.472E-10	1.6654E-08	5.98E-05	9.88056E-11	0	4.9317E-11	0
155	571190.6	4178079	0.55, 41780	0.41277	0.43447	0.31013	228.77572	115.09155	359.73847	28.66724	20.67403	44.96731	3.06E-07	0.000355	4.43E-05	9.44E-11	2.85E-10	2.25E-10	0	0	0	0	4.369E-10	1.612E-08	4.43E-05	9.65202E-11	0	4.81763E-11	0
156	571230.6	4178079	0.55, 41780	0.46673	0.45732	0.33128	219.54291	100.98995	305.404	27.44286	18.56894	43.62914	3.27E-07	0.000301	4.3E-05	1.01E-10	3.04E-10	2.4E-10	0	0	0	0	4.667E-10	1.3685E-08	4.3E-05	1.03102E-10	0	5.14616E-11	0
157	571270.6	4178079	0.55, 41780	0.53318	0.48578	0.3586	215.1929	81.06645	332.5769	26.89911	17.27973	41.57211	3.54E-07	0.000328	4.1E-05	1.09E-10	3.29E-10	2.6E-10	0	0	0	0	5.052E-10	1.4902E-08	4.1E-05	1.11604E-10	0	5.57053E-11	0
158	571310.6	4178079	0.55, 41780	0.58671	0.50689	0.39805	205.97464	69.75551	363.05687	25.74683	14.70822	45.38211	3.93E-07	0.000358	4.47E-05	1.21E-10	3.66E-10	2.89E-10	0	0	0	0	5.607E-10	1.6268E-08	4.47E-05	1.2388E-10	0	6.18323E-11	0
159	571350.6	4178079	0.55, 41780	0.61439	0.51569	0.46686	184.46358	62.8789	316.33591	23.05795	12.5762	39.54199	4.6E-07	0.000312	3.9E-05	1.42E-10	4.29E-10	3.39E-10	0	0	0	0	6.576E-10	1.4174E-08	3.9E-05	1.45288E-10	0	7.25178E-11	0
160	571390.6	4178079	0.55, 41780	0.61879	0.51229	0.54521	162.6235	50.78632	251.98298	20.32794	11.67282	31.49787	5.38E-07	0.000248	3.11E-05	1.66E-10	5.01E-10	3.96E-10	0	0	0	0	7.679E-10	1.1291E-08	3.11E-05	1.69663E-10	0	8.46841E-11	0
161	571430.6	4178079	0.55, 41780	0.60477	0.49855	0.60294	157.24404	39.05995	207.2573	19.65551	9.99401	25.90716	5.94E-07	0.000204	2.55E-05	1.83E-10	5.54E-10	4.38E-10	0	0	0	0	8.492E-10	9.2868E-09	2.55E-05	1.87622E-10	0	9.36479E-11	0
162	571470.6	4178079	0.55, 41780	0.57311	0.47467	0.61341	152.07991	30.59352	215.52596	19.00999	9.68796	26.94074	6.05E-07	0.000212	2.66E-05	1.87E-10	5.63E-10	4.45E-10	0	0	0	0	8.64E-10	9.6572E-09	2.66E-05	1.90877E-10	0	9.52727E-11	0
163	571510.6	4178079	0.55, 41780	0.53465	0.44658	0.58613	137.55383	33.88214	191.36045	17.19423	8.95455	23.92006	5.78E-07	0.000189	2.36E-05	1.78E-10	5.38E-10	4.25E-10	0	0	0	0	8.255E-10	8.5744E-09	2.36E-05	1.82387E-10	0	9.10354E-11	0
164	571550.6	4178079	0.55, 41780	0.48548	0.41212	0.53241	120.13532	36.07438	157.49519	15.01691	7.90342	19.6869	5.25E-07	0.000155	1.94E-05	1.62E-10	4.89E-10	3.86E-10	0	0	0	0	7.499E-10	7.0571E-09	1.94E-05	1.65672E-10	0	8.2692E-11	0
165	571590.6	4178079	0.55, 41780	0.43445	0.37558	0.47142	108.95419	37.19094	141.55637	13.61927	6.74143	17.69455	4.65E-07	0.00014	1.74E-05	1.43E-10	4.33E-10	3.42E-10	0	0	0	0	6.64E-10	6.343E-09	1.74E-05	1.46694E-10	0	7.32197E-11	0
166	570310.6	4178119	0.55, 41781	0.10149	0.07442	0.09774	69.0748	28.05035	78.28908	8.63435	4.67506	9.78613	9.64E-08	7.72E-05	9.65E-06	2.97E-11	8.98E-11	7.09E-11	0	0	0	0	1.377E-10	3.5081E-09	9.65E-06	3.04141E-11	0	1.51806E-11	0
167	570350.6	4178119	0.55, 41781	0.11138	0.08273	0.10725	79.07973	29.62524	82.98136	9.88497	4.93754	10.37267	1.06E-07	8.18E-05	1.02E-05	3.26E-11	9.85E-11	7.78E-11	0	0	0	0	1.511E-10	3.7184E-09	1.02E-05	3.33734E-11	0	1.66577E-11	0
168	570390.6	4178119	0.55, 41781	0.12249	0.09237	0.11775	81.81771	30.97041	92.38822	10.22721	5.16174	11.54853	1.16E-07	9.11E-05	1.14E-05	3.58E-11	1.08E-10	8.54E-11	0	0	0	0	1.658E-10	4.1399E-09	1.14E-05	3.66409E-11	0	1.82886E-11	0
169	570430.6	4178119	0.55, 41781	0.13492	0.10362	0.12964	81.48606	32.23138	89.13007	10.18576	5.3719	11.14126	1.28E-07	8.79E-05	1.1E-05	3.94E-11	1.19E-10	9.41E-11	0	0	0	0	1.826E-10	3.9939E-09	1.1E-05	4.03409E-11	0	2.01354E-11	0
170	570470.6	4178119	0.55, 41781	0.14882	0.11683	0.14311	90.82614	33.6686	97.62505	11.35327	5.5932	12.20313	1.41E-07	9.62E-05	1.2E-05	4.35E-11	1.31E-10	1.04E-10	0	0	0	0	2.016E-10	4.3746E-09	1.2E-05	4.45326E-11	0	2.22276E-11	0
171	570510.6	4178119	0.55, 41781	0.16361	0.13228	0.15796	92.34034	35.20886	102.68913	11.54254	5.82093	12.83614	1.56E-07	0.000101	1.27E-05	4.81E-11	1.45E-10	1.15E-10	0	0	0	0	2.225E-10	4.6015E-09	1.27E-05	4.91538E-11	0	2.45343E-11	0
172	570550.6	4178119	0.55, 41781	0.17911	0.1505	0.17388	100.11195	36.92243	110.21215	12.51399	6.33987	13.77652	1.71E-07	0.000109	1.36E-05	5.29E-11	1.6E-10	1.26E-10	0	0	0	0	2.449E-10	4.9386E-09	1.36E-05	5.41082E-11	0	2.70071E-11	0
173	570590.6	4178119	0.55, 41781	0.19374	0.17125	0.18923	103.74737	38.76233	121.67682	12.96842	6.89651	15.2096	1.87E-07	0.00012	1.5E-05	5.76E-11	1.74E-10	1.37E-10	0	0	0	0	2.665E-10	5.4523E-09	1.5E-05	5.88854E-11	0	2.93916E-11	0
174	570630.6	4178119	0.55, 41781	0.2069	0.19483	0.20326	104.63966	41.01094	121.05227	13.84797	7.49161	15.13153	2E-07	0.000119	1.49E-05	6.18E-11	1.87E-10	1.47E-10	0	0	0	0	2.863E-10	5.4243E-09	1.49E-05	6.32521E-11	0	3.15711E-11	0
175	570670.6	4178119	0.55, 41781	0.21998	0.22122	0.21442	115.58367	43.51142	138.36153	15.0671	8.60459	17.29519	2.11E-07	0.000136	1.71E-05	6.52E-11	1.97E-10	1.56E-10	0	0	0	0	3.02E-10	6.1999E-09	1.71E-05	6.67262E-11	0	3.33052E-11	0
176	570710.6	4178119	0.55, 41781	0.23703	0.25104	0.22497	127.12041	45.98226	134.54184	16.41254	9.96819	16.81773	2.22E-07	0.000133	1.66E-05	6.85E-11	2.07E-10	1.63E-10	0	0	0	0	3.169E-10	6.0288E-09	1.66E-05	7.00108E-11	0	3.49446E-11	0
177	570750.6	4178119	0.55, 41781	0.26187	0.28441	0.24496	163.41699	49.64069	173.69321	20.42712	11.18287	24.67477	2.42E-07	0.000171	2.43E-05	7.45E-11	2.25E-10	1.78E-10	0	0	0	0	3.451E-10	7.7831E-09	2.43E-05	7.62326E-11	0	3.80501E-11	0
178	570790.6	4178119	0.55, 41781	0.29707	0.32177	0.27572	189.30326	59.79186	203.13563	23.66291	12.3939	25.39195	2.72E-07	0.0002	2.5E-05	8.39E-11	2.53E-10	2E-10	0	0	0	0	3.884E-10	9.1024E-09	2.5E-05	8.58054E-11	0	4.28282E-11	0
179	570830.6	4178119	0.55, 41781	0.34574	0.3643	0.31009	193.11502	64.55328	210.79637	24.13938	13.76558	26.34955	3.06E-07	0.000208	2.6E-05	9.44E-11	2.85E-10	2.25E-10	0	0	0	0	4.368E-10	9.4457E-09	2.6E-05	9.65017E-11	0	4.81671E-11	0
180	570870.6	4178119	0.55, 41781	0.41228	0.41342	0.35667	202.8381	69.60981	241.64288	25.35476	15.49628	31.6123	3.52E-07	0.000238	3.12E-05	1.09E-10	3.28E-10	2.59E-10	0	0	0	0	5.024E-10	1.0828E-08	3.12E-05	1.10997E-10	0	5.54023E-11	0
181	570910.6	4178119	0.55, 41781	0.49003	0.46844	0.41739	224.50761	75.3478	268.49725	28.06345	17.99511	33.56216	4.12E-07	0.000265	3.31E-05	1.27E-10	3.83E-10	3.03E-10	0	0	0	0	5.879E-10	1.2031E-08	3.31E-05	1.29893E-10	0	6.48336E-11	0
182	570950.6	4178119	0.55, 41781	0.55455	0.52056	0.48015	237.44511	82.6149	307.44591	31.19836	20.61697	38.43074	4.73E-07	0.000303	3.79E-05	1.46E-10	4.41E-10	3.48E-10	0	0	0	0	6.763E-10	1.3776E-08	3.79E-05	1.49422E-10	0	7.45814E-11	0
183	570990.6	4178119	0.55, 41781	0.59019	0.56679	0.49805	260.70129	98.30209	347.94815	39.14578	18.7176	43.49352	4.91E-07	0.000343	4.29E-05	1.52E-10	4.58E-10	3.61E-10	0	0	0	0	7.016E-10	1.5591E-08	4.29E-05	1.54995E-10	0	7.73629E-11	0
184	571030.6	4178119	0.55, 41781	0.58003	0.59593	0.46436	288.08817	110.38847	394.82286	43.41155	19.84321	60.28631	4.58E-07	0.000389	5.94E-05	1.41E-10	4.27E-10	3.37E-10	0	0	0	0	6.541E-10	1.7692E-08	5.94E-05	1.44516E-10	0	7.21325E-11	0
185	571070.6	4178119	0.55, 41781	0.56003	0.61401	0.43624	281.59163	124.26135	479.69295	39.26934	23.95732	65.06151	4.3E-07	0.000473	6.41E-05	1.33E-10	4.01E-10	3.17E-10	0	0	0	0	6.145E-10	2.1494E-08	6.41E-05	1.35769E-10	0	6.77665E-11	0
186	571110.6	4178119	0.55, 41781	0.57497	0.62965	0.42923	279.23237	138.16088	507.21032	41.39356	27.39628	63.69191	4.23E-07	0.0005	6.28E-05	1.31E-10	3.94E-10	3.12E-10	0	0	0	0	6.047E-10	2.2727E-08	6.28E-05	1.33589E-10	0	6.66787E-11	0
187	571150.6	4178119	0.55, 41781	0.64473	0.65929	0.45591	273.06399	137.55558	506.75735	37.77228	27.34359	77.75635	4.5E-07	0.0005	7.67E-05	1.39E-10	4.19E-10	3.31E-10	0	0	0	0	6.422E-10	2.2707E-08	7.67E-05	1.41892E-10	0	7.0823E-11	0
188	571190.6	4178119	0.55, 41781	0.76806	0.70549	0.46182	260.36357	120.74038	479.78233	32.90288	24.49294	68.54033	4.55E-07	0.000473	6.76E-05	1.41E-10	4.24E-10	3.35E-10	0	0	0	0	6.506E-10	2.1498E-08	6.76E-05	1.43736E-10	0	7.17431E-11	0
189	571230.6	4178119	0.55, 41781	0.88147	0.74364	0.51839	250.38438	100.21062	435.42985	31.29805	22.32262	54.42873	5.11E-07	0.000429	5.37E-05	1.58E-10	4.76E-10	3.76E-10	0	0	0	0	7.303E-10	1.9511E-08	5.37E-05	1.61339E-10	0	8.05294E-11	0
190	571270.6	4178119	0.55, 41781	0.94057	0.75526	0.59724	235.31349	80.57107	462.41399	29.41419	18.81416	57.80175	5.89E-07	0.000456	5.7E-05	1.82E-10	5.49E-10	4.33E-10	0	0	0	0	8.413E-10	2.072E-08	5.7E-05	1.85871E-10	0	9.27741E-11	0
191	571310.6	4178119	0.55, 41781	0.94266	0.74202	0.72716	211.76846	71.48368	401.12341	26.47106	15.9259	50.14043	7.17E-07	0.000395	4.94E-05	2.21E-10	6.68E-10	5.28E-10	0	0	0	0	1.024E-09	1.7973E-08	4.94E-05	2.26289E-10	0	1.12948E-10	0
192	571350.6	4178119	0.55, 41781	0.90909	0.71255	0.85266	184.59351	57.17412	286.57244	23.07419	14.42847	35.82155	8.41E-07	0.000282	3.53E-05	2.59E-10	7.83E-10	6.19E-10	0	0	0	0	1.201E-09	1.2841E-08	3.53E-05	2.6533E-10	0	1.32435E-10	0
193	571390.6	4178119	0.55, 41781	0.85308	0.67145	0.90336	182.88204	42.90716	275.98695	22.86025	12.27464	34.49837	8.91E-07	0.000272	3.4E-05	2.75E-10	8.3E-10	6.55E-10	0	0	0	0	1.272E-09	1.2366E-08	3.4E-05	2.81099E-10	0	1.40306E-10	0
194	571430.6	4178119	0.55, 41781	0.78	0.62166	0.86624	169.0522	41.64549	252.50347	21.13153	11.39175	31.56293	8.54E-07	0.000249	3.11E-05	2.64E-10	7.96E-10	6.29E-10	0	0	0	0	1.22E-09	1.1314E-08	3.11E-05	2.69547E-10	0	1.34539E-10	0
195	571470.6	4178119	0.55, 41781	0.69763	0.567	0.77646	144.82238	43.55007	199.26025	18.1028	10.0864	24.90753	7.66E-07	0.000196	2.46E-05	2.36E-10	7.13E-10	5.63E-10	0	0	0	0	1.094E-09	8.9285E-09	2.46E-05	2.41611E-10	0	1.20596E-10	0
196	571510.6	4178119	0.55, 41781	0.61632	0.51188	0.67545	129.07456	44.20691	173.84445	16.93315	8.5721	21.73056	6.66E-07	0.000171	2.14E-05	2.05E-10	6.2E-10	4.9E-10	0	0	0	0	9.513E-10	7.7897E-09	2.14E-05	2.10181E-10	0	1.04908E-10	0
197	571550.6	4178119	0.55, 41781	0.53701	0.45659	0.57828	116.13448	43.6354	149.52645	16.99831	7.6971	20.20244	5.7E-07	0.000147	1.99E-05	1.76E-10	5.31E-10	4.2E-10	0	0	0	0	8.145E-10	6.7001E-09	1.99E-05	1.79946E-10	0	8.98168E-11	0
198	571590.6	4178119	0.55, 41781	0.46599	0.40463	0.49394	103.06511	42.01095	133.93422	16.60125	6.75955	20.50745	4.87E-07	0.000132	2.02E-05	1.5E-10	4.54E-10	3.58E-10	0	0	0	0	6.957E-10	6.0015E-09	2.02E-05	1.53703E-10	0	7.67179E-11	0
199	570310.6	4178159	0.55, 41781	0.10452	0.07557	0.10002	83.14681	27.07322	89.45551	10.39335	4.47805	11.18194	9.86E-08	8.82E-05	1.1E-05	3.04E-11	9.19E-11	7.26E-11	0	0	0	0	1.409E-10	4.0085E-09	1.1E-05	3.11235E-11	0	1.55347E-11	0
200	570350.6	4178159	0.55, 41781	0.1156	0.08446	0.11071	83.51332	29.37807	93.62995	10.43917	4.89635	11.70374	1.09E-07	9.23E-05	1.15E-05	3.37E-11	1.02E-10	8.03E-11	0	0	0	0	1.559E-10	4.1955E-09	1.15E-05	3.445E-11	0	1.71951E-11	0
201	570390.6	4178159	0.55, 41781	0.12828	0.09489	0.12282	85.72091	31.44775	90.10823	10.71511	5.24129	11.26353	1.21E-07	8.88E-05	1.11E-05	3.74E-11	1.13E-10	8.91E-11	0	0	0	0	1.73E-10	4.0377E-09	1.11E-05	3.82184E-11	0	1.9076E-11	0
202	570430.6	4178159	0.55, 41781	0.14269	0.1072	0.13639	94.53138	33.159	104.73347	11.81642	5.5265	13.09168	1.34E-07	0.000103	1.29E-05	4.15E-11	1.25E-10	9.9E-11	0	0	0	0	1.921E-10	4.6931E-09	1.29E-05	4.24412E-11	0	2.11837E-11	0
203	570470.6	4178159	0.55, 41781	0.15906	0.12183	0.15182	91.68652	34.69147	109.10852	11.46082	5.78191	13.63857	1.5E-07	0.000108	1.34E-05	4.62E-11	1.39E-10	1.1E-10	0	0	0	0	2.138E-10	4.8891E-09	1.34E-05	4.72428E-11	0	2.35804E-11	0
204	570510.6	4178159	0.55, 41781	0.17738	0.13933	0.16931	103.8828	36.49731	110.76271	12.98535	6.04456	13.84534	1.67E-07	0.000109	1.37E-05	5.15E-11	1.56E-10	1.23E-10	0	0	0	0	2.385E-10	4.9632E-09	1.37E-05	5.26856E-11	0	2.6297E-11	0
205	570550.6	4178159	0.55, 41781	0.19733	0.16029	0.18927	106.21161	38.46337	121.82569	13.27645	6.62676	15.22821	1.87E-07	0.00012	1.5E-05	5.76E-11	1.74E-10	1.37E-10	0	0	0	0	2.666E-10	5.4589E-09	1.5E-05	5.8897E-11	0	2.93974E-11	0
206	570590.6	4178159	0.55, 41781	0.21794	0.18524	0.21062	115.65264	40.48441	129.80552	14.45658	7.37316	16.22569	2.08E-07	0.000128	1.6E-05	6.41E-11	1.93E-10	1.53E-10	0	0	0	0	2.967E-10	5.8165E-09	1.6E-05	6.55412E-11	0	3.27137E-11	0
207	570630.6	4178159	0.55, 41781	0.23707	0.21436	0.23118	118.44365	42.79741	144.28442	14.80546	8.08317	18.03555	2.28E-07	0.000142	1.78E-05	7.03E-11	2.12E-10	1.68E-10	0	0	0	0	3.256E-10	6.4653E-09	1.78E-05	7.19399E-11	0	3.59075E-11	0
208	570670.6	4178159	0.55, 41781	0.25383	0.24795	0.24882	124.95922	45.84094	144.90734	15.6199	8.90031	18.11342	2.45E-07	0.000143	1.79E-05	7.57E-11	2.29E-10	1.81E-10	0	0	0	0	3.505E-10	6.4932E-09	1.79E-05	7.74306E-11	0	3.86481E-11	0
209	570710.6	4178159	0.55, 41781	0.27135	0.28697	0.26135	131.25248	49.29697	162.49426	17.47805	10.6966	20.31178	2.58E-07	0.00016	2E-05	7.95E-11	2.4E-10	1.9E-10	0	0	0	0	3.681E-10	7.2813E-09	2E-05	8.13319E-11	0	4.05953E-11	0
210	570750.6	4178159	0.55, 41781	0.29528	0.33222	0.27619	146.48828	52.90094	155.94977	21.86848	12.23914	22.93785	2.72E-07	0.000154	2.26E-05	8.4E-11	2.54E-10	2E-10	0	0	0	0	3.89E-10	6.9881E-09	2.26E-05	8.59524E-11	0	4.29016E-11	0
211	570790.6	4178159	0.55, 41781	0.33253	0.38536	0.30655	168.4296	63.37031	207.44804	22.18934	13.75991	31.3643	3.02E-07	0.000205	3.09E-05	9.33E-11	2.82E-10	2.22E-10	0	0	0	0	4.318E-10	9.2956E-09	3.09E-05	9.54019E-11	0	4.76182E-11	0
212	570830.6	4178159	0.55, 41781	0.39122	0.44987	0.34708	226.40986	70.88867	244.94075	28.30123	15.58224	30.61759	3.42E-07	0.000241	3.02E-05	1.06E-10	3.19E-10	2.52E-10	0	0	0	0	4.889E-10	1.0976E-08	3.02E-05	1.08017E-10	0	5.39145E-11	0
213	570870.6	4178159	0.55, 41781	0.48272	0.53035	0.408	262.06298	76.1106	293.39264	32.75787	17.58972	36.67408	4.02E-07	0.000289	3.62E-05	1.24E-10	3.75E-10	2.96E-10	0	0	0	0	5.747E-10	1.3147E-08	3.62E-05	1.26976E-10	0	6.33778E-11	0
214	570910.6	4178159	0.55, 41781	0.61652	0.63133	0.50366	261.24493	84.17228	335.42472	32.65562	20.33398	41.92809	4.97E-07	0.000331	4.13E-05	1.53E-10	4.63E-10	3.66E-10	0	0	0	0	7.095E-10	1.503E-08	4.13E-05	1.56745E-10	0	7.82366E-11	0
215	570950.6	4178159	0.55, 41781	0.78722	0.75662	0.63069	286.12528	93.97029	373.71712	38.09436	25.30252	46.71464	6.22E-07	0.000368	4.61E-05	1.92E-10	5.79E-10	4.58E-10	0	0	0	0	8.884E-10	1.6746E-08	4.61E-05	1.96276E-10	0	9.79677E-11	0
216	570990.6	4178159	0.55, 41781	0.95557	0.89576	0.74297	303.7283	113.02353	445.40224	49.39935	30.83627	55.67528	7.33E-07	0.000439	5.49E-05	2.26E-10	6.83E-10	5.39E-10	0	0	0	0	1.047E-09	1.9958E-08	5.49E-05	2.31219E-10	0	1.15409E-10	0
217	571030.6	4178159	0.55, 41781	1.0701	1.00768	0.7637	365.27865	135.92516	512.48146	63.89384	29.33742	70.31034	7.53E-07	0.000505	6.93E-05	2.32E-10	7.02E-10	5.54E-10	0	0	0	0	1.076E-09	2.2964E-08	6.93E-05	2.37678E-10	0	1.18633E-10	0
218	571070.6	4178159	0.55, 41781	1.06935	1.07923	0.71312	382.13438	155.20031	662.82772	54.74849	37.25068	94.68967	7.03E-07	0.000653	9.34E-05	2.17E-10	6.55E-10	5.18E-10	0	0	0	0	1.005E-09	2.97E-08	9.34E-05	2.21948E-10	0	1.10781E-10	0
219	571110.6	4178159	0.55, 41781	1.19831	1.16386	0.6846	373.85472	174.62021	736.75515	53.40782	39.37776	93.09067	6.75E-07	0.000726	9.18E-05	2.08E-10	6.29E-10	4.97E-10	0	0	0	0	9.645E-10	3.3013E-08	9.18E-05	2.13083E-10	0	1.06356E-10	0
220	571150.6	4178159	0.55, 41781	1.53671	1.26322	0.72724	331.2731	149.81574	693.97089	50.26616	34.67292	96.78528	7.17E-07	0.000684	9.54E-05	2.21E-10	6.68E-10	5.28E-10	0	0	0	0	1.025E-09	3.1095E-08	9.54E-05	2.26359E-10	0	1.12983E-10	0
221	571190.6	4178159	0.55, 41781	1.71324	1.27647	0.80447	303.51531	125.05743	565.89383	43.45807	29.97586	80.84198	7.93E-07	0.000558	7.97E-05	2.45E-10	7.39E-10	5.84E-10	0	0	0	0	1.133E-09	2.5357E-08	7.97E-05	2.50388E-10	0	1.24977E-10	0
222	571230.6	4178159	0.55, 41781	1.67997	1.21931	0.99011	277.00255	96.22407	622.39581	36.53844	24.95569	77.79948	9.76E-07	0.000614	7.67E-05	3.01E-10	9.1E-10	7.19E-10	0	0	0	0	1.395E-09	2.7888E-08	7.67E-05	3.08137E-10	0	1.53801E-10	0
223	571270.6	4178159	0.55, 41781	1.56347	1.13234	1.265	251.98402	83.18585	536.39129	31.498	20.71301	67.04891	1.25E-06	0.000529	6.61E-05	3.85E-10	1.16E-09	9.18E-10	0	0	0	0	1.782E-09	2.4034E-08	6.61E-05	3.93649E-10	0	1.96483E-10	0
224	571310.6	4178159	0.55, 41781	1.42012	1.03692	1.45126	223.09845	65.85457	360.16353	27.88731	18.21453	45.02044	1.43E-06	0.000355	4.44E-05	4.42E-10	1.33E-09	1.05E-09	0	0	0	0	2.044E-09	1.6138E-08	4.44E-05	4.51587E-10	0	2.25402E-10	0
225	571350.6	4178159	0.55, 41781	1.26306	0.93714	1.42084	212.7442	53.05659	355.96566	26.59303	15.01468	44.49571	1.4E-06	0.000351	4.39E-05	4.32E-10	1.31E-09	1.03E-09	0	0	0	0	2.001E-09	1.595E-08	4.39E-05	4.42114E-10	0	2.20673E-10	0
226	571390.6	4178159	0.55, 41781	1.10199	0.83709	1.24864	185.92823	54.01949	274.01244	23.24103	13.29114	34.25155	1.23E-06	0.00027	3.38E-05	3.8E-10	1.15E-09	9.06E-10	0	0	0	0	1.759E-09	1.2278E-08	3.38E-05	3.88533E-10	0	1.93929E-10	0
227	571430.6	4178159	0.55, 41781	0.9418	0.73869	1.04204	159.26436	53.60229	222.79179	21.61583	11.2268	27.84897	1.03E-06	0.00022	2.75E-05	3.17E-10	9.57E-10	7.56E-10	0	0	0	0	1.468E-09	9.983E-09	2.75E-05	3.2425E-10	0	1.61843E-10	0
228	571470.6	4178159	0.55, 41781	0.79447	0.64516	0.85663	139.92539	51.85557	187.30754	21.06215	9.90602	27.91527	8.45E-07	0.000185	2.75E-05	2.61E-10	7.87E-10	6.22E-10	0	0	0	0	1.207E-09	8.393E-09	2.75E-05	2.66559E-10	0	1.33048E-10	0
229	571510.6	4178159	0.55, 41781	0.67282	0.56206	0.7111	120.25585	49.92459	159.61818	19.96311	8.50885	26.60303	7.01E-07	0.000157	2.62E-05	2.16E-10	6.53E-10	5.16E-10	0	0	0	0	1.002E-09	7.1524E-09	2.62E-05	2.21276E-10	0	1.10446E-10	0
230	571550.6	4178159	0.55, 41781	0.57423	0.48972	0.59807	110.64777	47.57404	144.95635	18.4413	7.31081	24.15939	5.9E-07	0.000143	2.38E-05	1.82E-10	5.49E-10	4.34E-10	0	0	0	0	8.424E-10	6.4954E-09	2.38E-05	1.86106E-10	0	9.28913E-11	0
231	571590.6	4178159	0.55, 41781	0.49292	0.42713	0.50772	100.4908	44.5532	128.72625	16.74847	6.44552	21.45437	5.01E-07	0.000127	2.12E-05	1.54E-10	4.66E-10	3.68E-10	0	0	0	0	7.151E-10	5.7682E-09	2.12E-05	1.57992E-10	0	7.88587E-11	0
232	570310.6	4178199	0.55, 41781	0.10691	0.07648	0.10208	81.28791	24.55019	79.664	10.16099	3.94128	9.958	1.01E-07	7.85E-05	9.82E-06	3.11E-11	9.38E-11	7.41E-11	0	0	0	0	1.438E-10	3.5697E-09	9.82E-06	3.17645E-11	0	1.58547E-11	0
233	570350.6	4178199	0.55, 41781	0.11881	0.08587	0.11329	92.41038	27.80697	96.15133	11.5513	4.55912	12.01892	1.12E-07	9.48E-05	1.19E-05	3.45E-11	1.04E-10	8.22E-11	0	0	0	0	1.596E-10	4.3085E-09	1.19E-05	3.52528E-11	0	1.75958E-11	0
234	570390.6	4178199	0.55, 41781	0.13286	0.09703	0.12666	98.9418	30.67703	108.4605	12.36772	5.11284	13.55756	1.25E-07	0.000107	1.34E-05	3.85E-11	1.16E-10	9.19E-11	0	0	0	0	1.784E-10	4.86E-09	1.34E-05	3.94133E-11	0	1.96724E-11	0
235	570430.6	4178199	0.55, 41781	0.14935	0.11037	0.14231	98.24021	33.47488	112.67373	12.28003	5.57915	14.08422	1.4E-07	0.000111	1.39E-05	4.33E-11	1.31E-10	1.03E-10	0	0	0	0	2.004E-10	5.0488E-09	1.39E-05	4.42832E-11	0	2.21032E-11	0
236	570470.6	4178199	0.55, 41781	0.1686	0.12646	0.16043	107.25905	35.76824	115.05444	13.40738	5.96137	14.38181	1.58E-07	0.000113	1.42E-05	4.88E-11	1.47E-10	1.16E-10	0	0	0	0	2.26E-10	5.1555E-09	1.42E-05	4.99219E-11	0	2.49176E-11	0
237	570510.6	4178199	0.55, 41781	0.19081	0.14598	0.18108	111.923	37.71142	131.96286	13.99038	6.28524	16.49536	1.79E-07	0.00013	1.63E-05	5.51E-11	1.66E-10	1.31E-10	0	0	0	0	2.55E-10	5.9131E-09	1.63E-05	5.63479E-11	0	2.8125E-11	0
238	570550.6	4178199	0.55, 41781	0.21602	0.16987	0.20494	119.57772	40.00549	129.21029	14.94721	6.67621	16.15129	2.02E-07	0.000127	1.59E-05	6.24E-11	1.88E-10	1.49E-10	0	0	0	0	2.887E-10	5.7898E-09	1.59E-05	6.37729E-11	0	3.18311E-11	0
239	570590.6	4178199	0.55, 41781	0.24388	0.19917	0.2325	124.08345	42.52786	147.10165	15.51043	7.78928	18.38771	2.29E-07	0.000145	1.81E-05	7.07E-11	2.14E-10	1.69E-10	0	0	0	0	3.275E-10	6.5915E-09	1.81E-05	7.23495E-11	0	3.61119E-11	0
240	570630.6	4178199	0.55, 41781	0.27242	0.23473	0.26214	135.79301	45.13025	156.31523	16.97413	8.73982	19.5394	2.58E-07	0.000154	1.93E-05	7.98E-11	2.41E-10	1.9E-10	0	0	0	0	3.692E-10	7.0044E-09	1.93E-05	8.15736E-11	0	4.0716E-11	0
241	570670.6	4178199	0.55, 41781	0.29828	0.27729	0.29064	136.89517	48.04336	174.48935	17.44831	9.65486	21.81117	2.87E-07	0.000172	2.15E-05	8.84E-11	2.67E-10	2.11E-10	0	0	0	0	4.094E-10	7.8187E-09	2.15E-05	9.04437E-11	0	4.51433E-11	0
242	570710.6	4178199	0.55, 41781	0.321	0.32818	0.31291	151.98197	52.23375	185.24815	19.68934	11.4382	23.15602	3.09E-07	0.000183	2.28E-05	9.52E-11	2.87E-10	2.27E-10	0	0	0	0	4.408E-10	8.3008E-09	2.28E-05	9.73761E-11	0	4.86035E-11	0
243	570750.6	4178199	0.55, 41781	0.34558	0.38955	0.32771	144.14265	57.26085	196.68908	22.53194	13.53855	24.58613	3.23E-07	0.000194	2.42E-05	9.97E-11	3.01E-10	2.38E-10	0	0	0	0	4.616E-10	8.8135E-09	2.42E-05	1.01985E-10	0	5.09042E-11	0
244	570790.6	4178199	0.55, 41781	0.38143	0.46429	0.35275	173.32889	66.95506	241.81218	25.57778	15.36352	36.58263	3.48E-07	0.000238	3.61E-05	1.07E-10	3.24E-10	2.56E-10	0	0	0	0	4.969E-10	1.0835E-08	3.61E-05	1.09782E-10	0	5.47955E-11	0
245	570830.6	4178199	0.55, 41781	0.44289	0.55991	0.39405	200.31972	78.9407	262.23048	28.47462	17.66262	37.4615	3.89E-07	0.000259	3.69E-05	1.2E-10	3.62E-10	2.86E-10	0	0	0	0	5.551E-10	1.175E-08	3.69E-05	1.22638E-10	0	6.12126E-11	0
246	570870.6	4178199	0.55, 41781	0.55133	0.6879	0.45528	245.75399	83.68372	263.19795	34.28137	20.83884	36.18743	4.49E-07	0.000259	3.57E-05	1.39E-10	4.18E-10	3.3E-10	0	0	0	0	6.414E-10	1.1794E-08	3.57E-05	1.41698E-10	0	7.07259E-11	0
247	570910.6	4178199	0.55, 41781	0.74216	0.86472	0.57468	353.61381	98.21675	387.24795	44.20173	24.01316	48.40599	5.67E-07	0.000382	4.77E-05	1.75E-10	5.28E-10	4.17E-10	0	0	0	0	8.096E-10	1.7352E-08	4.77E-05	1.78859E-10	0	8.92743E-11	0
248	570950.6	4178199	0.55, 41781	1.08517	1.1274	0.77671	376.11466	111.85514	479.74888	52.74149	29.33795	59.96861	7.66E-07	0.000473	5.91E-05	2.36E-10	7.14E-10	5.64E-10	0	0	0	0	1.094E-09	2.1497E-08	5.91E-05	2.41735E-10	0	1.20658E-10	0
249	570990.6	4178199	0.55, 41781	1.58976	1.56693	1.05873	410.19015	135.68135	559.12982	68.60008	44.06737	76.18548	1.04E-06	0.000551	7.51E-05	3.22E-10	9.73E-10	7.68E-10	0	0	0	0	1.491E-09	2.5054E-08	7.51E-05	3.29511E-10	0	1.64469E-10	0
250	571030.6	4178199	0.55, 41781	2.42958	2.27373	1.377	561.74649	191.25505	728.04918	107.05418	55.40677	100.45619	1.36E-06	0.000718	9.9E-05	4.19E-10	1.27E-09	9.99E-10	0	0	0	0	1.94E-09	3.2623E-08	9.9E-05	4.28588E-10	0	2.13922E-10	0
251	571070.6	4178199	0.55, 41781	3.58306	3.18041	1.39903	721.18769	259.71405	966.70756	139.44796	73.67892	146.94766	1.38E-06	0.000953	0.000145	4.26E-10	1.29E-09	1.02E-09	0	0	0	0	1.971E-09	4.3317E-08	0.000145	4.35521E-10	0	2.17383E-10	0
252	571110.6	4178199	0.55, 41781	5.26167	3.22788	1.2956	536.30163	206.72583	1199.13306	116.57539	57.94295	153.9862	1.28E-06	0.001182	0.000152	3.94E-10	1.19E-09	9.41E-10	0	0	0	0	1.826E-09	5.373E-08	0.000152	4.03362E-10	0	2.01331E-10	0
253	571150.6	4178199	0.55, 41781	4.55265	2.7214	1.43074	406.82024	165.14744	1078.46551	75.27018	43.84452	138.95995	1.41E-06	0.001063	0.000137	4.35E-10	1.31E-09	1.04E-09	0	0	0	0	2.016E-09	4.8323E-08	0.000137	4.4536E-10	0	2.22293E-10	0
254	571190.6	4178199	0.55, 41781	3.6655	2.27193	1.9191	348.88414	129.45816	921.59929	55.11772	35.12171	118.18584	1.89E-06	0.000908	0.000117	5.84E-10	1.76E-09	1.39E-09	0	0	0	0	2.703E-09	4.1294E-08	0.000117	5.97249E-10	0	2.98106E-10	0

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	0	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	0	10	2	70	0.85
2<9	861	1	0.854795	0.000001	0	3	0.55	70	0.72
Student	640	1	0.493151	0.000001	0	3	2.8	70	1
Worker	230	1	0.684932	0.000001	0	1	2.8	70	1

Xylenes

	Chronic (Annu	Acute (1hr)	8hr
REL:	700	22000	1

255	571230.6	4178199	0.55, 41781	2.99647	1.91661	2.63905	311.11499	100.77545	780.81724	44.29874	28.05958	97.60216	2.6E-06	0.00077	9.62E-05	8.03E-10	2.42E-09	1.91E-09	0	0	0	0	3.717E-09	3.4986E-08	9.62E-05	8.21197E-10	0	4.09886E-10	0
256	571270.6	4178199	0.55, 41781	2.48655	1.63354	2.7833	275.28639	78.6156	563.64868	36.03295	23.70769	70.45609	2.74E-06	0.000556	6.95E-05	8.47E-10	2.56E-09	2.02E-09	0	0	0	0	3.92E-09	2.5255E-08	6.95E-05	8.66048E-10	0	4.32272E-10	0
257	571310.6	4178199	0.55, 41781	2.04979	1.39182	2.36332	251.65063	69.80646	418.93362	31.45633	18.505	52.3667	2.33E-06	0.000413	5.16E-05	7.19E-10	2.17E-09	1.71E-09	0	0	0	0	3.328E-09	1.8771E-08	5.16E-05	7.35367E-10	0	3.67045E-10	0
258	571350.6	4178199	0.55, 41781	1.66907	1.18291	1.84305	207.71058	67.17721	304.96385	28.41822	15.5683	43.42728	1.82E-06	0.000301	4.28E-05	5.61E-10	1.69E-09	1.34E-09	0	0	0	0	2.596E-09	1.3665E-08	4.28E-05	5.73489E-10	0	2.86247E-10	0
259	571390.6	4178199	0.55, 41781	1.33874	0.99933	1.42084	175.53523	63.93291	243.3206	26.80029	13.20173	40.55343	1.4E-06	0.00024	4E-05	4.32E-10	1.31E-09	1.03E-09	0	0	0	0	2.001E-09	1.0903E-08	4E-05	4.4212E-10	0	2.20676E-10	0
260	571430.6	4178199	0.55, 41781	1.08215	0.84466	1.12094	146.49279	60.30749	207.71024	24.41546	11.02968	34.61837	1.11E-06	0.000205	3.41E-05	3.41E-10	1.03E-09	8.13E-10	0	0	0	0	1.579E-09	9.3073E-09	3.41E-05	3.48805E-10	0	1.741E-10	0
261	571470.6	4178199	0.55, 41781	0.88511	0.71494	0.90372	129.54701	55.96987	172.11269	21.59117	9.33698	28.68545	8.91E-07	0.00017	2.83E-05	2.75E-10	8.3E-10	6.56E-10	0	0	0	0	1.273E-09	7.7123E-09	2.83E-05	2.81215E-10	0	1.40363E-10	0
262	571510.6	4178199	0.55, 41781	0.73336	0.60746	0.74181	112.64977	51.14316	142.69265	18.77496	8.40942	23.78211	7.31E-07	0.000141	2.34E-05	2.26E-10	6.81E-10	5.38E-10	0	0	0	0	1.045E-09	6.394E-09	2.34E-05	2.30834E-10	0	1.15217E-10	0
263	571550.6	4178199	0.55, 41781	0.6189	0.52125	0.62191	97.68282	46.08498	120.36205	16.28047	7.59304	20.06034	6.13E-07	0.000119	1.98E-05	1.89E-10	5.71E-10	4.51E-10	0	0	0	0	8.76E-10	5.3934E-09	1.98E-05	1.93525E-10	0	9.65946E-11	0
264	571590.6	4178199	0.55, 41781	0.52714	0.45016	0.52751	84.87826	41.93857	102.67653	14.14638	6.8553	17.11275	5.2E-07	0.000101	1.69E-05	1.6E-10	4.85E-10	3.83E-10	0	0	0	0	7.43E-10	4.601E-09	1.69E-05	1.64151E-10	0	8.19328E-11	0
265	570310.6	4178239	0.55, 41782	0.10871	0.07725	0.10419	69.36135	22.19632	77.30253	9.49069	3.20395	10.55794	1.03E-07	7.62E-05	1.04E-05	3.17E-11	9.57E-11	7.56E-11	0	0	0	0	1.467E-10	3.4639E-09	1.04E-05	3.2421E-11	0	1.61823E-11	0
266	570350.6	4178239	0.55, 41782	0.12097	0.08699	0.11543	80.24676	23.95533	77.73127	10.03084	3.79637	10.6184	1.14E-07	7.66E-05	1.05E-05	3.51E-11	1.06E-10	8.38E-11	0	0	0	0	1.626E-10	3.4831E-09	1.05E-05	3.59187E-11	0	1.79282E-11	0
267	570390.6	4178239	0.55, 41782	0.13576	0.09875	0.129	97.68381	28.15369	96.07123	12.21048	4.56788	12.0089	1.27E-07	9.47E-05	1.18E-05	3.92E-11	1.19E-10	9.36E-11	0	0	0	0	1.817E-10	4.3049E-09	1.18E-05	4.01414E-11	0	2.00359E-11	0
268	570430.6	4178239	0.55, 41782	0.15369	0.11303	0.14573	112.57412	32.01468	119.02369	14.07177	5.30028	14.87796	1.44E-07	0.000117	1.47E-05	4.43E-11	1.34E-10	1.06E-10	0	0	0	0	2.053E-10	5.3333E-09	1.47E-05	4.53475E-11	0	2.26344E-11	0
269	570470.6	4178239	0.55, 41782	0.17542	0.1305	0.16624	120.86213	35.6675	135.90431	15.10777	5.94458	16.98804	1.64E-07	0.000134	1.67E-05	5.06E-11	1.53E-10	1.21E-10	0	0	0	0	2.341E-10	6.0897E-09	1.67E-05	5.17298E-11	0	2.582E-11	0
270	570510.6	4178239	0.55, 41782	0.20166	0.15208	0.19089	118.29832	38.86505	139.27939	14.78729	6.47751	17.40992	1.88E-07	0.000137	1.72E-05	5.81E-11	1.75E-10	1.39E-10	0	0	0	0	2.689E-10	6.241E-09	1.72E-05	5.94004E-11	0	2.96486E-11	0
271	570550.6	4178239	0.55, 41782	0.23297	0.17899	0.21994	134.82021	41.51275	155.81716	16.85253	6.91879	19.47714	2.17E-07	0.000154	1.92E-05	6.69E-11	2.02E-10	1.6E-10	0	0	0	0	3.098E-10	6.982E-09	1.92E-05	6.84404E-11	0	3.41608E-11	0
272	570590.6	4178239	0.55, 41782	0.26933	0.21289	0.25402	138.182	44.61865	161.93184	17.27275	7.89914	20.24148	2.5E-07	0.00016	2E-05	7.73E-11	2.33E-10	1.84E-10	0	0	0	0	3.578E-10	7.256E-09	2E-05	7.90458E-11	0	3.94543E-11	0
273	570630.6	4178239	0.55, 41782	0.31001	0.25571	0.29378	151.57706	47.88426	180.12829	18.94713	9.37801	22.51604	2.9E-07	0.000178	2.22E-05	8.94E-11	2.7E-10	2.13E-10	0	0	0	0	4.138E-10	8.0714E-09	2.22E-05	9.1419E-11	0	4.56301E-11	0
274	570670.6	4178239	0.55, 41782	0.35129	0.30919	0.33746	163.01094	51.1286	193.67566	20.37637	10.66356	24.20946	3.33E-07	0.000191	2.39E-05	1.03E-10	3.1E-10	2.45E-10	0	0	0	0	4.753E-10	8.6784E-09	2.39E-05	1.05013E-10	0	5.24151E-11	0
275	570710.6	4178239	0.55, 41782	0.3879	0.37553	0.37852	161.77129	55.27243	215.9147	21.46966	11.91574	26.98934	3.73E-07	0.000213	2.66E-05	1.15E-10	3.48E-10	2.75E-10	0	0	0	0	5.332E-10	9.6749E-09	2.66E-05	1.17937E-10	0	5.87937E-11	0
276	570750.6	4178239	0.55, 41782	0.41955	0.45853	0.40652	185.09687	61.2613	243.75059	24.33831	15.0229	31.56234	4.01E-07	0.00024	3.11E-05	1.24E-10	3.73E-10	2.95E-10	0	0	0	0	5.726E-10	1.0922E-08	3.11E-05	1.2651E-10	0	6.3145E-11	0
277	570790.6	4178239	0.55, 41782	0.45531	0.56517	0.42739	195.76674	71.16962	229.68596	30.0466	17.67317	35.54387	4.21E-07	0.000226	3.5E-05	1.3E-10	3.93E-10	3.1E-10	0	0	0	0	6.02E-10	1.0292E-08	3.5E-05	1.33011E-10	0	6.639E-11	0
278	570830.6	4178239	0.55, 41782	0.51729	0.70869	0.46924	186.14136	86.93814	313.42291	30.32646	20.0795	44.72862	4.63E-07	0.000309	4.41E-05	1.43E-10	4.31E-10	3.41E-10	0	0	0	0	6.61E-10	1.4044E-08	4.41E-05	1.46042E-10	0	7.28943E-11	0
279	570870.6	4178239	0.55, 41782	0.63421	0.91745	0.53024	225.98347	96.3139	311.28977	37.66391	24.81387	41.34654	5.23E-07	0.000307	4.08E-05	1.61E-10	4.87E-10	3.85E-10	0	0	0	0	7.47E-10	1.3949E-08	4.08E-05	1.65037E-10	0	8.23751E-11	0
280	570910.6	4178239	0.55, 41782	0.85302	1.23442	0.65693	293.13359	117.47886	326.7744	47.06613	30.6738	48.00957	6.48E-07	0.000322	4.73E-05	2E-10	6.04E-10	4.77E-10	0	0	0	0	9.255E-10	1.4643E-08	4.73E-05	2.04477E-10	0	1.02061E-10	0
281	570950.6	4178239	0.55, 41782	1.35023	1.79208	0.88884	455.80102	142.22416	478.03953	68.40553	39.86266	68.50221	8.77E-07	0.000471	6.75E-05	2.71E-10	8.17E-10	6.45E-10	0	0	0	0	1.252E-09	2.1421E-08	6.75E-05	2.76672E-10	0	1.38096E-10	0
282	570990.6	4178239	0.55, 41782	3.0182	3.06414	1.32054	885.93977	193.04223	771.54657	147.1874	58.20401	96.44332	1.3E-06	0.000761	9.51E-05	4.02E-10	1.21E-09	9.59E-10	0	0	0	0	1.861E-09	3.4572E-08	9.51E-05	4.11089E-10	0	2.05188E-10	0
283	571030.6	4178239	0.55, 41782	7.70332	4.46365	2.30139	679.65913	243.63294	1123.21669	144.28562	71.78775	156.8655	2.27E-06	0.001107	0.000155	7E-10	2.11E-09	1.67E-09	0	0	0	0	3.243E-09	5.0329E-08	0.000155	7.16385E-10	0	3.57571E-10	0
284	571110.6	4178239	0.55, 41782	48.37684	13.76668	3.52906	1082.14109	288.2044	2417.61379	441.33003	115.9324	328.07057	3.48E-06	0.002383	0.000324	1.07E-09	3.25E-09	2.56E-09	0	0	0	0	4.976E-09	1.0833E-07	0.000324	1.09939E-09	0	5.48738E-10	0
285	571150.6	4178239	0.55, 41782	14.38318	6.22649	4.84511	550.93904	192.81003	1871.63269	147.46183	59.89562	339.77194	4.78E-06	0.001845	0.000335	1.47E-09	4.45E-09	3.52E-09	0	0	0	0	6.825E-09	8.3861E-08	0.000335	1.50794E-09	0	7.52663E-10	0
286	571190.6	4178239	0.55, 41782	8.08563	4.10425	7.76231	423.01159	138.20819	1326.9025	88.76631	43.45879	203.98194	7.65E-06	0.001308	0.000201	2.36E-09	7.13E-09	5.63E-09	0	0	0	0	1.093E-08	5.9454E-08	0.000201	2.41528E-09	0	1.20555E-09	0
287	571230.6	4178239	0.55, 41782	5.48613	3.01374	6.36519	364.79857	99.98669	820.37732	64.1708	32.88659	114.5851	6.28E-06	0.000809	0.000113	1.94E-09	5.85E-09	4.62E-09	0	0	0	0	8.964E-09	3.6759E-08	0.000113	1.98053E-09	0	9.88544E-10	0
288	571270.6	4178239	0.55, 41782	3.91656	2.30583	4.21608	308.69657	91.16262	501.73471	42.97299	25.31404	83.35946	4.16E-06	0.000495	8.22E-05	1.28E-09	3.87E-09	3.06E-09	0	0	0	0	5.938E-09	2.2482E-08	8.22E-05	1.31186E-09	0	6.5479E-10	0
289	571310.6	4178239	0.55, 41782	2.81911	1.80691	2.86031	238.76095	82.99282	368.88984	36.57222	19.65898	61.48164	2.82E-06	0.000364	6.06E-05	8.7E-10	2.63E-09	2.08E-09	0	0	0	0	4.028E-09	1.6529E-08	6.06E-05	8.90022E-10	0	4.44238E-10	0
290	571350.6	4178239	0.55, 41782	2.07392	1.43877	2.07081	186.98174	75.01218	257.12826	31.16362	15.62493	42.85471	2.04E-06	0.000253	4.23E-05	6.3E-10	1.9E-09	1.5E-09	0	0	0	0	2.917E-09	1.1522E-08	4.23E-05	6.44369E-10	0	3.21625E-10	0
291	571390.6	4178239	0.55, 41782	1.57003	1.1589	1.56847	153.36435	67.14235	200.39228	25.56072	13.28221	31.13336	1.55E-06	0.000198	3.07E-05	4.77E-10	1.44E-09	1.14E-09	0	0	0	0	2.209E-09	8.9795E-09	3.07E-05	4.88063E-10	0	2.43608E-10	0
292	571430.6	4178239	0.55, 41782	1.23548	0.94866	1.2378	124.99719	59.46648	164.5542	20.83286	11.6734	24.18073	1.22E-06	0.000162	2.38E-05	3.77E-10	1.14E-09	8.98E-10	0	0	0	0	1.743E-09	7.3737E-09	2.38E-05	3.8517E-10	0	1.92251E-10	0
293	571470.6	4178239	0.55, 41782	0.99131	0.7845	0.9961	109.3041	54.21436	142.14876	17.2339	10.26711	19.9293	9.82E-07	0.00014	1.96E-05	3.03E-10	9.15E-10	7.23E-10	0	0	0	0	1.403E-09	6.3697E-09	1.96E-05	3.09961E-10	0	1.54712E-10	0
294	571510.6	4178239	0.55, 41782	0.81688	0.65976	0.82266	100.30585	50.40167	129.05875	14.55844	9.03737	16.96469	8.11E-07	0.000127	1.67E-05	2.5E-10	7.56E-10	5.97E-10	0	0	0	0	1.159E-09	5.7832E-09	1.67E-05	2.55992E-10	0	1.27774E-10	0
295	571550.6	4178239	0.55, 41782	0.68618	0.56281	0.69258	92.19218	46.80105	116.817	12.52836	7.96128	14.60636	6.83E-07	0.000115	1.44E-05	2.11E-10	6.36E-10	5.03E-10	0	0	0	0	9.755E-10	5.2346E-09	1.44E-05	2.15515E-10	0	1.0757E-10	0
296	571590.6	4178239	0.55, 41782	0.57854	0.48285	0.58537	84.94405	43.3686	105.85184	10.89629	7.01254	13.23148	5.77E-07	0.000104	1.3E-05	1.78E-10	5.38E-10	4.25E-10	0	0	0	0	8.245E-10	4.7433E-09	1.3E-05	1.82154E-10	0	9.09189E-11	0
297	570310.6	4178279	0.55, 41782	0.11004	0.07807	0.10589	74.04292	22.79319	77.67346	10.17864	3.64675	10.70288	1.04E-07	7.66E-05	1.06E-05	3.22E-11	9.73E-11	7.68E-11	0	0	0	0	1.491E-10	3.4805E-09	1.06E-05	3.29499E-11	0	1.64464E-11	0
298	570350.6	4178279	0.55, 41782	0.12249	0.08802	0.11726	80.9847	23.74961	88.18196	11.08549	3.81596	12.05595	1.16E-07	8.69E-05	1.19E-05	3.57E-11	1.08E-10	8.51E-11	0	0	0	0	1.652E-10	3.9514E-09	1.19E-05	3.64881E-11	0	1.82124E-11	0
299	570390.6	4178279	0.55, 41782	0.13757	0.10016	0.13084	86.03589	24.80698	96.47388	11.74551	4.00404	13.13274	1.29E-07	9.51E-05	1.29E-05	3.98E-11	1.2E-10	9.49E-11	0	0	0	0	1.843E-10	4.3229E-09	1.29E-05	4.0714E-11	0	2.03216E-11	0
300	570430.6	4178279	0.55, 41782	0.15607	0.11514	0.14747	96.31741	27.84204	100.58043	12.03968	4.46456	13.6645	1.45E-07	9.92E-05	1.35E-05	4.49E-11	1.35E-10	1.07E-10	0	0	0	0	2.077E-10	4.5069E-09	1.35E-05	4.5889E-11	0	2.29046E-11	0
301	570470.6	4178279	0.55, 41782	0.17907	0.13378	0.16835	120.52086	33.01708	119.41006	15.06511	5.41696	14.92626	1.66E-07	0.000118	1.47E-05	5.12E-11	1.55E-10	1.22E-10	0	0	0	0	2.371E-10	5.3507E-09	1.47E-05	5.23865E-11	0	2.61478E-11	0
302	570510.6	4178279	0.55, 41782	0.20795	0.15724	0.19497	141.57577	37.85068	153.41811	17.69697	6.30845	19.17726	1.92E-07	0.000151	1.89E-05	5.93E-11	1.79E-10	1.41E-10	0	0	0	0	2.746E-10	6.8745E-09	1.89E-05	6.06702E-11	0	3.02824E-11	0
303	570550.6	4178279	0.55, 41782	0.24435	0.18714	0.22876	153.17347	42.50173	177.88461	19.14668	7.08362	22.23558	2.26E-07	0.000175	2.19E-05	6.96E-11	2.1E-10	1.66E-10	0	0	0	0	3.222E-10	7.9708E-09	2.19E-05	7.1185E-11	0	3.55307E-11	0
304	570590.6	4178279	0.55, 41782	0.28993	0.22577	0.27077	157.86485	46.41285	177.78268	19.73311	7.73548	22.22284	2.67E-07	0.000175	2.19E-05	8.24E-11	2.49E-10	1.96E-10	0	0	0	0	3.814E-10	7.9663E-09	2.19E-05	8.4258E-11	0	4.20558E-11	0
305	570630.6	4178279	0.55, 41782	0.34541	0.27631	0.32199	169.89337	50.77009	212.69617	21.23667	9.57894	26.58702	3.17E-07	0.00021	2.62E-05	9.8E-11	2.96E-10	2.34E-10	0	0	0	0	4.535E-10	9.5306E-09	2.62E-05	1.00197E-10	0	5.00116E-11	0
306	570670.6	4178279	0.55, 41782	0.40869	0.34273	0.38328	189.16159	55.36754	226.13934	23.6452	11.64813	28.26742	3.78E-07	0.000223	2.79E-05	1.17E-10	3.52E-10	2.78E-10	0	0	0	0	5.399E-10	1.0133E-08	2.79E-05	1.1927E-10	0	5.95317E-11	0
307	570710.6	4178279	0.55, 41782	0.47241	0.42944	0.45188	202.37611	59.97812	249.97635	25.29701	13.4468	31.24704	4.46E-07	0.000246	3.08E-05	1.37E-10	4.15E-10	3.28E-10	0	0	0	0	6.365E-10	1.1201E-08	3.08E-05	1.4062E-10	0	7.01877E-11	0
308	570750.6	4178279	0.55, 41782	0.52143	0.53099	0.51003	207.36077	66.44988	280.46815	28.38204	16.35494	35.05852	5.03E-07	0.000276	3.46E-05	1.55E-10	4.69E-10	3.7E-10	0	0	0	0	7.184E-10	1.2567E-08	3.46E-05	1.58719E-10	0	7.92215E-11	0
309	570790.6	4178279	0.55, 41782	0.56782	0.69623	0.54766	217.33897	75.80804	318.83899	33.24185	20.36018	42.96761	5.4E-07	0.000314	4.24E-05	1.67E-10	5.03E-10	3.97E-10	0	0	0	0	7.715E-10	1.4287E-08	4.24E-05	1.70439E-10	0	8.50713E-11	0
310	570830.6	4178279	0.55, 41782	0.62461	0.91706	0.58168	236.67869	94.57659	403.572	34.09074	24.90976	60.93237	5.74E-07	0.000398	6.01E-05	1.77E-10	5.34E-10	4.22E-10	0	0	0	0	8.194E-10	1.8083E-08	6.01E-05	1.8104E-10	0	9.03628E-11	0
311	570870.6	4178279	0.55, 41782	0.74364	1.27032	0.64347	232.57719	121.10786	430.4482	38.76287	29.17824	53.80602	6.35E-07	0.000424	5.3E-05	1.96E-10	5.91E-10	4.67E-10	0	0	0	0	9.066E-10	1.9288E-08	5.3E-05	2.00291E-10	0	9.99717E-11	0
312	570910.6	4178279	0.55, 41782	0.98087	1.94043	0.78377	289.58181	139.00222	423.1545	48.26363	45.30681	59.61258	7.73E-07	0.000417	5.88E-05	2.39E-10	7.2E-10	5.69E-10	0	0	0	0	1.104E-09	1.8961E-08	5.88E-05	2.43993E-10	0	1.21785E-10	0
313	570950.6	4178279	0.55, 41782	1.54705	3.33468	1.05206	380.89662	209.14004	464.4183	63.48277	60.99964	77.40305	1.04E-06	0.000458	7.63E-05	3.2E-10	9.67E-10	7.64E-10	0	0	0	0	1.483E-09	2.0811E-08	7.63E-05	3.27571E-10	0	1.63501E-10	0
314	571150.6	4178279	0.55, 41782	125.5821	15.27099	61.53709	2183.625	235.47088	4321.7852	1020.3296	115.3363	966.08792	6.07E-05	0.00426	0.000953	1.87E-08	5.65E-08	4.46E-08	0	0	0	0	8.666E-08	1.9364E-07	0.000953	1.91468E-08	0	9.55678E-09	0
315	571190.6	4178279	0.55, 41782	19.14498	7.50998	20.68123	704.1647	157.76938	1300.13062	186.41477	61.8786	262.75525	2.04E-05	0.001282	0.000259	6.29E-09	1.9E-08	1.5E-08	0	0	0	0	2.913E-08	5.8255E-08	0.000259	6.43479E-09	0	3.21181E-09	0
316	571230.6	4178279	0.55, 41782	9.41744	4.44398	9.68706	418.2482	120.63814	710.71948	87.01567	39.51148	138.35634	9.55E-06	0.000701	0.000136	2.95E-09	8.9E-09	7.03E-09	0	0	0	0	1.364E-08	3.1846E-08	0.000136	3.01412E-09	0	1.50445E-09	0
317	571270.6	4178279	0.55, 41782	5.33507	3.02277	5.65407	265.61255	99.06709	486.13138	58.88721	29.56115	89.94232	5.57E-06	0.000479	8.87E-05	1.72E-09	5.19E-09	4.1E-09	0	0	0	0	7.963E-09	2.1783E-08	8.87E-05	1.75929E-09	0	8.78119E-10	0
318	571310.6	4178279	0.55, 41782	3.44949	2.20529	3.73581	197.38222	83.78037	349.19747	42.40574	23.44903	62.97539	3.68E-06	0.000344	6.21E-05	1.14E-09	3.43E-09	2.71E-09	0	0	0	0	5.262E-09	1.5647E-08	6.21E-05	1.16243E-09	0	5.80207E-10	0
319	571350.6	4178279	0.55, 41782	2.42474	1.67304	2.63741	164.77993	74.08708	262.11907	31.82391	19.20475	45.98547	2.6E-06	0.000258	4.53E-05	8.02E-10	2.42E-09	1.91E-09	0	0	0	0	3.715E-09	1.1745E-08	4.53E-05	8.20663E-10	0	4.09619E-10	0
320	571390.6	4178279	0.55, 41782	1.80332	1.30805	1.94946	139.62437	66.18564	204.22507	24.75802	16.07748	34.84377	1.92E-06	0.000201	3.44E-05	5.93E-10	1.79E-09	1.41E-09	0	0	0	0	2.746E-09	9.1512E-09	3.44E-05	6.06604E-10	0	3.02776E-10	0
321	571430.6	4178279	0.55, 41782	1.38872	1.04688	1.49158	120.07885	59.47148	164.54693	19.78612	13.66223	27.17412	1.47E-06	0.000162	2.68E-05	4.54E-10	1.37E-09	1.08E-09	0	0	0	0	2.101E-09	7.3733E-09	2.68E-05	4.64132E-10	0	2.31663E-10	0
322	571470.6	4178279	0.55, 41782	1.11171	0.86066	1.18684	104.95004	53.66694	136.91558	16.34545	11.81303	21.87493	1.17E-06	0.000135	2.16E-05	3.61E-10	1.09E-09	8.61E-10	0	0	0	0	1.672E-09	6.1352E-09	2.16E-05	3.69308E-10	0	1.84334E-10	0
323	571510.6	4178279	0.55, 41782	0.90331	0.71725	0.95952	92.95227	48.50847	116.77816	13.70064	10.27697	17.93941	9.46E-07	0.000115	1.77E-05	2.92E-10	8.81E-10	6.96E-10	0	0	0	0	1.351E-09	5.2329E-09	1.77E-05	2.98575E-10	0	1.49028E-10	0
324	571550.6	4178279	0.55, 41782	0.74685	0.60641	0.79002	83.35854	43.88956	102.16829	11.6678	9.00306	14.97338	7.79E-07	0.000101	1.48E-05	2.4E-10	7.26E-10	5.73E-10	0	0	0	0	1.113E-09	4.5782E-09	1.48E-05	2.45833E-10	0	1.22703E-10	0
325	571590.6	4178279	0.55, 41782	0.63093	0.52161	0.66513	75.57295	41.1264	91.05382	10.11638	7.96472	12.7323	6.56E-07	8.98E-05	1.26E-05	2.02E-10	6.11E-10	4.83E-10	0	0	0	0	9.368E-10	4.0802E-09	1.26E-05	2.06971E-10	0	1.03306E-10	0
326	570310.6	4178319	0.55, 41783	0.1112	0.07908	0.10686	65.67409	25.12162	71.57917	10.72274	3.92383	11.92986	1.05E-07	7.06E-05	1.18E-05	3.25E-11	9.82E-11	7.75E-11	0	0	0	0	1.505E-10	3.2075E-09	1.18E-05	3.32518E-11	0	1.6597E-11	0
327	570350.6	4178319	0.55, 41783	0.12381	0.08915	0.11863	72.99363	26.3644	78.028	10.96785	4.13077	12.26515	1.17E-07	7.69E-05	1.21E-05	3.61E-11	1.09E-10	8.61E-11	0	0	0	0	1.671E-10	3.4964E-09	1.21E-05	3.69144E-11	0	1.84252E-11	0
328	570390.6	4178319	0.55, 41783	0.13907	0.1015	0.13256	85.61577	27.73961	87.79758	11.84211	4.3586	12.34233	1.31E-07	8.66E-05	1.22E-05	4.03E-11	1.22E-10	9.62E-11	0	0	0	0	1.867E-10	3.9342E-09	1.22E-05	4.12492E-11	0	2.05888E-11	0
329	570430.6	4178319	0.55, 41783	0.15783	0.11689	0.14946	97.99246	29.27563	105.83642	13.47747	4.61214	14.5399	1.47E-07	0.000104	1.43E-05	4.55E-11	1.37E-10	1.08E-10	0	0	0	0	2.105E-10	4.7424E-09	1.43E-05	4.65082E-11	0	2.32137E-11	0
330	570470.6	4178319	0.55, 41783	0.18134	0.13633	0.17027	108.90086	31.01454	122.78	14.92794	4.89871	16.74752	1.68E-07	0.000121	1.65E-05	5.18E-11	1.56E-10	1.24E-10	0	0	0	0	2.398E-10	5.5016E-09	1.65E-05	5.2984E-11	0	2.6446E-11	0
331	570510.6	4178319	0.55, 41783	0.21129	0.16124	0.19656	118.40452	33.29424	135.32696	15.9306	5.40834	18.39398	1.94E-07	0.000133	1.81E-05	5.98E-11	1.81E-10	1.43E-10	0	0	0	0	2.769E-10	6.0638E-09	1.81E-05	6.11652E-11	0	3.05295E-11	0
332	570550.6	4178319	0.55, 41783	0.2503	0.19368	0.23096	153.9338	39.94632	153.89508	19.24172	6.62991	19.23689	2.28E-07	0.000152	1.9E-05	7.03E-11	2.12E-10	1.68E-10	0	0	0	0	3.253E-10	6.8959E-09	1.9E-05	7.187E-11	0	3.58726E-11	0
333	570590.6	4178319	0.55, 41783	0.30196	0.23671	0.27701	186.54438	46.61587	209.37606	23.31805	7.76931	26.17201	2.73E-07	0.000206	2.58E-05	8.43E-11	2.54E-10	2.01E-10	0	0	0	0	3.902E-10	9.3818E-09	2.58E-05	8.62002E-11	0	4.30253E-11	0
334	570630.6	4178319	0.55, 41783	0.37105	0.29503	0.3391	205.0145	52.79857	247.59232	25.62681	8.79976	30.94904	3.34E-07	0.000244	3.05E-05	1.03E-10	3.12E-10	2.46E-10	0	0	0	0	4.776E-10	1.1094E-08	3.05E-05	1.05522E-10	0	5.26693E-11	0
335	570670.6	4178319	0.55, 41783	0.462	0.37572	0.42024	218.45656	59.57781	273.51496	27.30707	11.98561	34.18937	4.14E-07	0.00027	3.37E-05	1.28E-10	3.86E-10	3.05E-10	0	0	0	0	5.919E-10	1.2256E-08	3.37E-05	1.30772E-10	0	6.52725E-11	0
336	570710.6	4178319	0.55, 41783	0.57218	0.48827	0.5224	242.44958	66.62286	291.17197	30.3062	15.15553	36.3965	5.15E-07	0.000287	3.59E-05	1.59E-10	4.8E-10	3.79E-10	0	0	0	0	7.358E-10	1.3047E-08	3.59E-05	1.62564E-10	0	8.11409E-11	0
337	570750.6	4178319	0.55, 41783	0.67767	0.63416	0.63666	262.41203	72.71034	341.04886	32.8015	17.84948	42.63111	6.28E-07	0.000336	4.2E-05	1.94E-10	5.85E-10	4.62E-10	0	0	0	0	8.968E-10	1.5282E-08	4.2E-05	1.98123E-10	0	9.88896E-11	0
338	570790.6	4178319	0.55, 41783	0.76041	0.85502	0.73352	285.66779	86.45349	381.79277	42.9347	23.67926	50.68659	7.23E-07	0.000376	5E-05	2.23E-10	6.74E-10	5.32E-10	0	0	0	0	1.033E-09	1.7108E-08	5E-05	2.28275E-10	0	1.13939E-10	0
339	570830.6	4178319	0.55, 41783	0.82107	1.23378	0.77266	302.59427	109.05103	424.78874	45.07728	29.79255	65.49858	7.62E-07	0.000419	6.46E-05	2.35E-10	7.1E-10	5.61E-10	0	0	0	0	1.088E-09	1.9034E-08	6.46E-05	2.40481E-10	0	1.20032E-10	0
340	570870.6	4178319	0.55, 41783	0.93174	1.8881	0.81484	263.71888	150.69846	583.61	37.23183	42.82711	79.94464	8.04E-07	0.000575	7.88E-05	2.48E-10	7.49E-10	5.91E-10	0	0	0	0	1.148E-09	2.6151E-08	7.88E-05	2.53654E-10	0	1.26607E-10	0
341	570910.6	4178319	0.55, 41783	1.19482	3.5981	0.94641	225.26352	195.84246	582.08496	37.31993	59.22953	72.76062	9.34E-07	0.000574	7.17E-05	2.88E-10	8.7E-10	6.87E-10	0	0	0	0	1.334E-09	2.6083E-08	7.17E-05	2.9472E-10	0	1.47104E-10	0
342	571190.6	4178319	0.55, 41783	29.13102	9.74239	24.19825	1204.46355	192.40018	1781.17361	337.10397	86.14095	400.692	2.39E-05	0.001756	0.000395	7.36E-09	2.22E-08	1.76E-08	0	0	0	0	3.408E-08	7.9809E-08	0.000395	7.52922E-09	0	3.75807E-09	0
343	571230.6	4178319	0.55, 41783	10.45163	5.25398	11.58574	479.33008	117.37647	725.29291	126.19986	44.06446	185.38424	1.14E-05	0.000715	0.000183	3.52E-09	1.06E-08	8.41E-09	0	0	0	0	1.632E-08	3.2499E-08	0.000183	3.60488E-09	0	1.79931E-09	0
344	571270.6	4178319	0.55, 41783	5.72808	3.4301	6.64009	292.22118	96.9874	479.91721	63.79547	33.00222	105.59121	6.55E-06	0.000473	0.000104	2.02E-09	6.1E-09	4.82E-09	0	0	0	0	9.352E-09	2.1504E-08	0.000104	2.06608E-09	0	1.03125E-09	0
345	571310.6	4178319	0.55, 41783	3.67711	2.43151	4.23514	175.48484	83.52768	339.71763	43.52526	25.92364	69.01312	4.18E-06	0.000335	6.8E-05	1.29E-09	3.89E-09	3.07E-09	0	0	0	0	5.965E-09	1.5222E-08	6.8E-05	1.3178E-09	0	6.57754E-10	0
346	571350.6	4178319	0.55, 41783	2.57847	1.81872	2.91777	135.74456	73.58424	245.66728	31.86463	21.08438	47.561	2.88E-06	0.000242	4.69E-05	8.88E-10	2.68E-09	2.12E-09	0	0	0	0	4.109E-09	1.1008E-08	4.69E-05	9.07897E-10	0	4.5316E-10	0
347	571390.6	4178319	0.55, 41783	1.91038	1.41202	2.12389	114.67965	65.84745	189.40245	24.95277	17.54375	35.6451	2.09E-06	0.000187	3.51E-05	6.46E-10	1.95E-09	1.54E-09	0	0	0	0	2.991E-09	8.487E-09	3.51E-05	6.60879E-10	0	3.29866E-10	0
348	571430.6	4178319	0.55, 41783	1.47151	1.12853	1.61377	100.57811	59.61061	161.57422	20.18585	14.84739	27.57311	1.59E-06	0.000159	2.72E-05	4.91E-10	1.48E-09	1.17E-09	0	0	0	0	2.273E-09	7.2401E-09	2.72E-05	5.02153E-10	0	2.5064E-10	0
349	571470.6	4178319	0.55, 41783	1.16585	0.92218	1.2649	90.09229	54.43044	139.38169	16.69193	12.71837	21.87498	1.25E-06	0.000137	2.16E-05	3.85E-10	1.16E-09	9.18E-10	0	0	0	0	1.782E-09	6.2457E-09	2.16E-05	3.93599E-10	0	1.96458E-10	0
350	571510.6	4178319	0.55, 41783	0.94595	0.76805	1.01773	81.52103	50.05282	121.69	14.06823	11.00608	17.76049	1E-06	0.00012	1.75E-05	3.1E-10	9.35E-10	7.38E-10	0	0	0	0	1.433E-09	5.453E-09	1.75E-05	3.16689E-10	0	1.5807E-10	0
351	571550.6	4178319	0.55, 41783	0.78212	0.64956	0.83556	74.38547	46.28731	107.35752	12.02264	9.59923	14.66288	8.24E-07	0.000106	1.45E-05	2.54E-10	7.68E-10	6.06E-10	0	0	0	0	1.177E-09	4.8108E-09	1.45E-05	2.60004E-10	0	1.29776E-10	0
352	571590.6	4178319	0.55, 41783	0.65442	0.55508	0.69496	68.29245	42.98116	95.34122	10.3334	8.40789	12.26582	6.85E-07	9.4E-05	1.21E-05	2.11E-10	6.38E-10	5.04E-10	0	0	0	0	9.788E-10	4.2723E-09	1.21E-05	2.16254E-10	0	1.07939E-10	0
353	570310.6	4178359	0.55, 41783	0.11229	0.07993	0.10794	69.29068	26.58817	75.81746	11.54845	4.0095	12.46153	1.06E-07	7.47E-05	1.23E-05	3.28E-11	9.92E-11	7.83E-11	0	0	0	0	1.52E-10	3.3974E-09	1.23E-05	3.35879E-11	0	1.67648E-11	0
354	570350.6	4178359	0.55, 41783	0.12531	0.09043	0.1201	75.30937	28.06345	82.61098	12.55156	4.25756	13.7685	1.18E-07	8.14E-05	1.36E-05	3.65E-11	1.1E-10	8.71E-11	0	0	0	0	1.692E-10	3.7018E-09	1.36E-05	3.73718E-11	0	1.86535E-11	0
355	570390.6	4178359	0.55, 41783	0.14084	0.10296	0.13441	81.29058	29.71471	90.82388	13.54843	4.53386	15.13731	1.33E-07	8.95E-05	1.49E-05	4.09E-11	1.23E-10	9.75E-11	0	0	0	0	1.893E-10	4.0698E-09	1.49E-05	4.18249E-11	0	2.08761E-11	0
356	570430.6	4178359	0.55, 41783	0.15989	0.11858	0.15186	87.11605	31.54887	98.44842	14.51934	4.83992	16.40807	1.5E-07	9.71E-05	1.62E-05	4.62E-11	1.4E-10	1.1E-10	0	0	0	0	2.139E-10	4.4114E-09	1.62E-05	4.7255E-11	0	2.35865E-11	0
357	570470.6	4178359	0.55, 41783	0.18374	0.13844	0.17326	97.3598	33.59814	106.34308	15.36354	5.1813	17.51553	1.71E-07	0.000105	1.73E-05	5.27E-11	1.59E-10	1.26E-10	0	0	0	0	2.44E-10	4.7652E-09	1.73E-05	5.39144E-11	0	2.69104E-11	0
358	570510.6	4178359	0.55, 41783	0.21432	0.16421	0.20002	118.04415	35.93263	125.3205	16.48105	5.5698	18.1537	1.97E-07	0.000124	1.79E-05	6.09E-11	1.84E-10	1.45E-10	0	0	0	0	2.817E-10	5.6155E-09	1.79E-05	6.22418E-11	0	3.10669E-11	0
359	570550.6	4178359	0.55, 41783	0.25472	0.19842	0.23435	139.50155	38.63371	157.96544	19.4148	6.01971	21.81117	2.31E-07	0.000156	2.15E-05	7.13E-11	2.15E-10	1.7E-10	0	0	0	0	3.301E-10	7.0782E-09	2.15E-05	7.29251E-11	0	3.63992E-11	0
360	570590.6	4178359	0.55, 41783	0.30979	0.24497	0.28017	159.83108	41.83842	190.36526	22.23989	6.84975	26.13545	2.76E-07	0.000188	2.58E-05	8.52E-11	2.57E-10	2.03E-10	0	0	0	0	3.946E-10	8.53E-09	2.58E-05	8.7184E-11	0	4.35163E-11	0
361	570630.6	4178359	0.55, 41783	0.38734	0.31015	0.34391	206.43147	51.05257	211.21178	25.80393	8.50876	28.98998	3.39E-07	0.000208	2.86E-05	1.05E-10	3.16E-10	2.5E-10	0	0	0	0	4.844E-10	9.4642E-09	2.86E-05	1.0702E-10	0	5.34169E-11	0
362	570670.6	4178359	0.55, 41783	0.50063	0.40488	0.43681	262.98595	60.70684	312.78941	32.87324	10.74505	39.09868	4.31E-07	0.000308	3.85E-05	1.33E-10	4.01E-10	3.17E-10	0	0	0	0	6.153E-10	1.4016E-08	3.85E-05	1.3593E-10	0	6.78468E-11	0
363	570710.6	4178359	0.55, 41783	0.66972	0.54814	0.57453	304.17814	72.14807	380.66102	38.02227	15.71205	47.58263	5.66E-07	0.000375	4.69E-05	1.75E-10	5.28E-10	4.17E-10	0	0	0	0	8.092E-10	1.7057E-08	4.69E-05	1.78787E-10	0	8.92385E-11	0
364	570750.6	4178359	0.55, 41783	0.90523	0.76876	0.77041	339.35657	85.82023	445.46467	44.72327	21.31802	55.68308	7.6E-07	0.000439	5.49E-05	2.34E-10	7.08E-10	5.59E-10	0	0	0	0	1.085E-09	1.996E-08	5.49E-05	2.39746E-10	0	1.19665E-10	0
365	570790.6	4178359	0.55, 41783	1.13154	1.06104	0.98839	377.53193	96.31599	507.3356	54.94081	27.90141	63.41695	9.75E-07	0.0005	6.25E-05	3.01E-10	9.08E-10	7.17E-10	0	0	0	0	1.392E-09	2.2733E-08	6.25E-05	3.07585E-10	0	1.53526E-10	0
366	570830.6	4178359	0.55, 41783	1.33226	1.74963	1.18947	411.58415	139.14147	649.42864	69.46909	37.35577	97.59965	1.17E-06	0.00064	9.62E-05	3.62E-10	1.09E-09	8.63E-10	0	0	0	0	1.676E-09	2.91E-08	9.62E-05	3.70197E-10	0	1.84777E-10	0
367	570870.6	4178359	0.55, 41783	1.45984	3.38436	1.19217	346.78431	184.49712	847.26971	52.43952	61.49528	124.03925	1.18E-06	0.000835	0.000122	3.63E-10	1.1E-09	8.66E-10	0	0	0	0	1.68E-09	3.7964E-08	0.000122	3.71163E-10	0	1.85259E-10	0
368	571150.6	4178359	0.55, 41783	17.36196	17.82412	10.70274	1537.79423	258.8776	2153.28101	350.34789	128.93656	372.67701	1.06E-05	0.002123	0.000367	3.26E-09	9.83E-09	7.77E-09	0	0	0	0	1.508E-08	9.6482E-08	0.000367	3.3312E-09	0	1.66271E-09	0
369	571190.6	4178359	0.55, 41783	10.35157	8.16971	8.42586	590.93034	162.31709	1380.32388	161.82999	76.08872	218.22557	8.31E-06	0.001361	0.000215	2.56E-09	7.74E-09	6.11E-09	0	0	0	0	1.187E-08	6.1848E-08	0.000215	2.62205E-09	0	1.30875E-09	0
370	571230.6	4178359	0.55, 41783	6.41954	4.85697	6.11014	429.96716	118.18476	649.38165	103.83364	47.29307	136.54892	6.02E-06	0.00064	0.000135	1.86E-09	5.61E-09	4.43E-09	0	0	0	0	8.606E-09	2.9097E-08	0.000135	1.90133E-09	0	9.49014E-10	0
371	571270.6	4178359	0.55, 41783	4.24607	3.28764	4.46672	330.34534	97.41521	669.03521	71.25122	30.79427	101.30501	4.4E-06	0.00066	9.99E-05	1.36E-09	4.1E-09	3.24E-09	0	0	0	0	6.291E-09	2.9978E-08	9.99E-05	1.38991E-09	0	6.93749E-10	0
372	571310.6	4178359	0.55, 41783	3.01802	2.39332	3.29044	280.32399	84.30249	476.5001	47.38187	23.6076	69.83839	3.24E-06	0.00047	6.89E-05	1E-09	3.02E-09	2.39E-09	0	0	0	0	4.634E-09	2.1351E-08	6.89E-05	1.02388E-09	0	5.11054E-10	0
373	571350.6	4178359	0.55, 41783	2.25439	1.82521	2.47896	223.1696	75.03337	276.07803	32.74083	19.24184	47.29925	2.44E-06	0.000272	4.66E-05	7.54E-10	2.28E-09	1.8E-09	0	0	0	0	3.491E-09	1.2371E-08	4.66E-05	7.71378E-10	0	3.8502E-10	0
374	571390.6	4178359	0.55, 41783	1.7395	1.43625	1.90839	164.0034	68.00709	177.73654	25.39154	16.17569	38.72375	1.88E-06	0.000175	3.82E-05	5.81E-10	1.75E-09	1.38E-09	0	0	0	0	2.688E-09	7.9644E-09	3.82E-05	5.93836E-10	0	2.96403E-10	0
375	571430.6	4178359	0.55, 41783	1.37666	1.15767	1.50113	113.66708	62.41604	162.05892	21.33563	13.79366	30.03325	1.48E-06	0.00016	2.96E-05	4.57E-10	1.38E-09	1.09E-09	0	0	0	0	2.114E-09	7.2619E-09	2.96E-05	4.67111E-10	0	2.3315E-10	0
376	571470.6	4178359	0.55, 41783	1.11313	0.95193	1.20554	91.64258	57.80687	139.39839	17.74486	11.89568	22.85385	1.19E-06	0.000137	2.25E-05	3.67E-10	1.11E-09	8.75E-10	0	0	0	0	1.698E-09	6.2465E-09	2.25E-05	3.75133E-10	0	1.87241E-10	0
377	571510.6	4178359	0.55, 41783	0.9166	0.79605	0.98663	82.11168	53.90312	116.32041	14.64829	10.35284	20.08654	9.73E-07	0.000115	1.98E-05	3E-10	9.06E-10	7.16E-10	0	0	0	0	1.39E-09	5.2124E-09	1.98E-05	3.07015E-10	0	1.53241E-10	0
378	571550.6	4178359	0.55, 41783	0.76622	0.67498	0.82026	72.9064	50.52239	102.58687	12.13868	9.07968	17.28494	8.09E-07	0.000101	1.7E-05	2.5E-10	7.54E-10	5.95E-10	0	0	0	0	1.155E-09	4.597E-09	1.7E-05	2.55246E-10	0	1.27401E-10	0
379	571590.6	4178359	0.55, 41783	0.64386	0.57575	0.68602	65.94968	47.48497	92.44167	10.99161	8.00686	15.40694	6.76E-07	9.11E-05	1.52E-05	2.09E-10	6.3E-10	4.98E-10	0	0	0	0	9.662E-10	4.1424E-09	1.52E-05	2.13475E-10	0	1.06552E-10	0
380	570310.6	4178399	0.55, 41783	0.11287	0.08031	0.1093	71.34246	27.87564	79.43468	11.89041	3.82503	13.23911	1.08E-07	7.83E-05	1.31E-05	3.33E-11	1E-10	7.93E-11	0	0	0	0	1.539E-10	3.5595E-09	1.31E-05	3.4011E-11	0	1.6976E-11	0
381	570350.6	4178399	0.55, 41783	0.12665	0.09175	0.12214	75.96419	29.57043	83.22909	12.46202	4.12173	13.80548	1.2E-07	8.2E-05	1.36E-05	3.72E-11	1.12E-10	8.86E-11	0	0	0	0	1.72E-10	3.7295E-09	1.36E-05	3.80066E-11	0	1.89703E-11	0
382	570390.6	4178399	0.55, 41783	0.1425	0.10434	0.13672	83.29233	31.439	92.96873	13.04897	4.44958	14.404	1.35E-07	9.16E-05	1.42E-05	4.16E-11	1.26E-10	9.92E-11	0	0	0	0	1.926E-10	4.1659E-09	1.42E-05	4.25436E-11	0	2.12349E-11	0
383	570430.6	4178399	0.55, 41783	0.16211	0.12032	0.15453	91.32735	33.521	103.76057	14.59534	4.81492	15.65812	1.52E-07	0.000102	1.54E-05	4.7E-11	1.42E-10	1.12E-10	0	0	0	0	2.177E-10	4.6495E-09	1.54E-05	4.80858E-11	0	2.40012E-11	0
384	570470.6	4178399	0.55, 41783	0.18668	0.14051	0.17655	100.43451	35.89015	115.76296	16.57018	5.22899	18.35818	1.74E-07	0.000114	1.81E-05	5.37E-11	1.62E-10	1.28E-10	0	0	0	0	2.487E-10	5.1873E-09	1.81E-05	5.49381E-11	0	2.74214E-11	0
385	570510.6	4178399	0.55, 41783	0.21834	0.16684	0.20421	112.76596	38.62084	128.93318	18.79433	5.70408	21.48886	2.01E-07	0.000127	2.12E-05	6.21E-11	1.88E-10	1.48E-10	0	0	0	0	2.876E-10	5.7774E-09	2.12E-05	6.35456E-11	0	3.17176E-11	0
386	570550.6	4178399	0.55, 41783	0.26039	0.20212	0.2399	127.75395	41.82578	149.79254	21.29232	6.25899	24.96542	2.37E-07	0.000148	2.46E-05	7.3E-11	2.2E-10	1.74E-10	0	0	0	0	3.379E-10	6.7121E-09	2.46E-05	7.4652E-11	0	3.72612E-11	0
387	570590.6	4178399	0.55, 41783	0.3185	0.25095	0.28739	144.10526	45.67081	172.10131	24.01754	7.17597	28.68355	2.83E-07	0.00017	2.83E-05	8.74E-11	2.64E-10	2.09E-10	0	0	0	0	4.048E-10	7.7117E-09	2.83E-05	8.94307E-11	0	4.46377E-11	0
388	570630.6	4178399	0.55, 41783	0.40291	0.32135	0.35272	177.65061	50.39519	203.06539	27.05917	8.74903	32.05961	3.48E-07	0.0002	3.16E-05	1.07E-10	3.24E-10	2.56E-10	0	0	0	0	4.968E-10	9.0991E-09	3.16E-05	1.09761E-10	0	5.47854E-11	0
389	570670.6	4178399	0.55, 41783	0.53348	0.4284	0.44753	224.79663	56.41372	278.51402	32.60934	10.76331	39.25369	4.41E-07	0.000275	3.87E-05	1.36E-10	4.11E-10	3.25E-10	0	0	0	0	6.304E-10	1.248E-08	3.87E-05	1.39267E-10	0	6.95124E-11	0
390	570710.6	4178399	0.55, 41783	0.75271	0.60288	0.59636	297.96202	70.92072	361.49768	41.13122	14.0152	50.83456	5.88E-07	0.000356	5.01E-05	1.81E-10	5.48E-10	4.33E-10	0	0	0	0	8.4E-10	1.6198E-08	5.01E-05	1.85584E-10	0	9.26308E-11	0
391	570750.6	4178399	0.55, 41783	1.15447	0.90762	0.85203	416.42427	90.04322	551.74774	52.05303	22.1169	68.96847	8.4E-07	0.000544	6.8E-05	2.59E-10	7.83E-10	6.18E-10	0	0	0	0	1.2E-09	2.4723E-08	6.8E-05	2.65151E-10	0	1.32345E-10	0
392	570790.6	4178399	0.55, 41783	1.70092	1.35462	1.23288	632.44551	121.09647	736.15706	79.05569	31.00919	92.01963	1.22E-06	0.000726	9.07E-05	3.75E-10	1.13E-09	8.95E-10	0	0	0	0	1.737E-09	3.2986E-08	9.07E-05	3.83675E-10	0	1.91504E-10	0
393	570830.6	4178399	0.55, 41783	3.46088	2.976	2.05541	854.46592	185.76652	929.26678	157.19416	64.23703	133.05669	2.03E-06	0.000916	0.000131	6.25E-10	1.89E-09	1.49E-09	0	0	0	0	2.896E-09	4.1639E-08	0.000131	6.39708E-10	0	3.19299E-10	0
394	571110.6	4178399	0.55, 41783	4.7766	17.70794	5.53677	386.44752	237.89657	1139.86397	91.74551	117.26543	182.49582	5.46E-06	0.001124	0.00018	1.69E-09	5.09E-09	4.02E-09	0	0	0	0	7.803E-09	5.1075E-08	0.00018	1.72392E-09	0	8.60464E-10	0
395	571150.6	4178399	0.55, 41783	4.75682	9.04164	4.75414	493.27775	194.83019	977.82769	91.47407	80.27894	179.74579	4.69E-06	0.000964	0.000177	1.45E-09	4.37E-09	3.45E-09	0	0	0	0	6.698E-09	4.3814E-08	0.000177	1.47978E-09	0	7.38603E-10	0
396	571190.6	4178399	0.55, 41783	4.13591	5.67532	3.9763	541.83424	159.29594	784.3481	82.25115	55.55038	130.43816	3.92E-06	0.000773	0.000129	1.21E-09	3.65E-09	2.89E-09	0	0	0	0	5.601E-09	3.5145E-08	0.000129	1.23752E-09	0	6.17686E-10	0
397	571230.6	4178399	0.55, 41783	3.34043	3.91116	3.41587	419.25179	113.41297	723.05548	67.92735	42.50701	103.29364	3.37E-06	0.000713	0.000102	1.04E-09	3.14E-09	2.48E-09	0	0	0	0	4.812E-09	3.2398E-08	0.000102	1.06303E-09	0	5.3059E-10	0
398	571270.6	4178399	0.55, 41783	2.69096	2.84934	2.72459	276.99568	96.24025	620.23738	46.4546	32.10306	94.16047	2.69E-06	0.000611	9.28E-05	8.29E-10	2.5E-09	1.98E-09	0	0	0	0	3.838E-09	2.7791E-08	9.28E-05	8.47878E-10	0	4.23203E-10	0
399	571310.6	4178399	0.55, 41783	2.15304	2.16763	2.23142	240.01182	84.08056	257.12386	39.08125	24.00367	52.53394	2.2E-06	0.000253	5.18E-05	6.79E-10	2.05E-09	1.62E-09	0	0	0	0	3.143E-09	1.1522E-08	5.18E-05	6.94393E-10	0	3.46594E-10	0
400	571350.6	4178399	0.55, 41783	1.74135	1.70512	1.85867	224.12525	73.73672	326.22415	31.06226	18.34101	44.13622	1.83E-06	0.000322	4.35E-05	5.65E-10	1.71E-09	1.35E-09	0	0	0	0	2.618E-09	1.4618E-08	4.35E-05	5.78389E-10	0	2.88692E-10	0
401	571390.6	4178399	0.55, 41783	1.43215	1.37481	1.54866	207.21833	64.01827	312.56807	26.21992	15.02288	39.07101	1.53E-06	0.000308	3.85E-05	4.71E-10	1.42E-09	1.12E-09	0	0	0	0	2.181E-09	1.4006E-08	3.85E-05	4.81915E-10	0	2.40539E-10	0
402	571430.6	4178399	0.55, 41783	1.19016	1.12906	1.29293	179.9524	59.14274	244.73255	22.49405	12.88734	30.59157	1.27E-06	0.000241	3.02E-05	3.93E-10	1.19E-09	9.38E-10	0	0	0	0	1.821E-09	1.0966E-08	3.02E-05	4.02335E-10	0	2.00818E-10	0
403	571470.6	4178399	0.55, 41783	0.9966	0.93995	1.08271	146.8642	55.47011	170.50633	18.35802	11.23121	21.31329	1.07E-06	0.000168	2.1E-05	3.29E-10	9.95E-10	7.86E-10	0	0	0	0	1.525E-09	7.6403E-09	2.1E-05	3.36918E-10	0	1.68167E-10	0
404	571510.6	4178399	0.55, 41783	0.8441	0.79417	0.91453	113.63796	52.27286	111.23462	14.20474	9.85599	18.36688	9.02E-07	0.00011	1.81E-05	2.78E-10	8.4E-10	6.64E-10	0	0	0	0	1.288E-09	4.9846E-09	1.81E-05	2.84584E-10	0	1.42045E-10	0
405	571550.6	4178399	0.55, 41783	0.71988	0.67749	0.77601	84.04695	49.45688	81.90115	12.59546	8.65245	16.41022	7.65E-07	8.07E-05	1.62E-05	2.36E-10	7.13E-10	5.63E-10	0	0	0	0	1.093E-09	3.6702E-09	1.62E-05	2.41479E-10	0	1.2053E-10	0
406	571590.6	4178399	0.55, 41783	0.61846	0.58359	0.66441	61.25343	46.95039	82.40366	11.31778	7.65227	14.12983	6.55E-07	8.12E-05	1.39E-05	2.02E-10	6.1E-10	4.82E-10	0	0	0	0	9.358E-10	3.6927E-09	1.39E-05	2.06752E-10	0	1.03197E-10	0
407	570310.6	4178439	0.55, 41784	0.11265	0.08111	0.10949	78.47962	27.91467	88.7071	13.07994	3.48933	14.78452	1.08E-07	8.74E-05	1.46E-05	3.33E-11	1.01E-10	7.94E-11	0	0	0	0	1.542E-10	3.9749E-09	1.46E-05	3.40702E-11	0	1.70055E-11	0
408	570350.6	4178439	0.55, 41784	0.12585	0.09139	0.12175	84.54471	29.62734	96.42477	14.09078	3.70342	16.0708	1.2E-07	9.51E-05	1.58E-05	3.7E-11	1.12E-10	8.83E-11	0	0	0	0	1.715E-10	4.3207E-09	1.58E-05	3.78852E-11	0	1.89097E-11	0
409	570390.6	4178439	0.55, 41784	0.14252	0.10489	0.13706	91.50908	31.67143	105.54781	15.25151	4.06451	17.5913	1.35E-07	0.000104	1.73E-05	4.17E-11	1.26E-10	9.95E-11	0	0	0	0	1.93E-10	4.7295E-09	1.73E-05	4.26494E-11	0	2.12877E-11	0
410	570430.6	4178439	0.55, 41784	0.16313	0.12204	0.15568	99.54775	33.93845	116.15512	16.59129	4.47421	19.35919	1.53E-07	0.000115	1.91E-05	4.74E-11	1.43E-10	1.13E-10	0	0	0	0	2.193E-10	5.2048E-09	1.91E-05	4.84437E-11	0	2.41798E-11	0
411	570470.6	4178439	0.55, 41784	0.18858	0.14267	0.1783	108.92524	36.54882	128.38607	18.15421	4.93599	21.39768	1.76E-07	0.000127	2.11E-05	5.42E-11	1.64E-10	1.29E-10	0	0	0	0	2.511E-10	5.7529E-09	2.11E-05	5.54827E-11	0	2.76932E-11	0
412	570510.6	4178439	0.55, 41784	0.22167	0.16966	0.20722	120.34611	39.98702	143.34164	20.05769	5.68986	23.89027	2.04E-07	0.000141	2.36E-05	6.3E-11	1.9E-10	1.5E-10	0	0	0	0	2.919E-10	6.423E-09	2.36E-05	6.44823E-11	0	3.21852E-11	0
413	570550.6	4178439	0.55, 41784	0.2658	0.20594	0.24496	134.27176	44.24032	161.13607	22.37863	6.83821	26.85601	2.42E-07	0.000159	2.65E-05	7.45E-11	2.25E-10	1.78E-10	0	0	0	0	3.45E-10	7.2203E-09	2.65E-05	7.62266E-11	0	3.80471E-11	0
414	570590.6	4178439	0.55, 41784	0.3272	0.25654	0.29583	151.91315	49.32778	182.29969	25.31886	8.30482	30.38328	2.92E-07	0.00018	3E-05	9E-11	2.72E-10	2.15E-10	0	0	0	0	4.167E-10	8.1687E-09	3E-05	9.20569E-11	0	4.59486E-11	0
415	570630.6	4178439	0.55, 41784	0.41735	0.33056	0.3671	175.42083	55.6235	213.97884	29.2368	10.21264	34.63299	3.62E-07	0.000211	3.41E-05	1.12E-10	3.37E-10	2.66E-10	0	0	0	0	5.171E-10	9.5881E-09	3.41E-05	1.14236E-10	0	5.70188E-11	0
416	570670.6	4178439	0.55, 41784	0.56024	0.44648	0.47194	208.37177	63.80907	268.23017	34.72863	12.75328	41.38807	4.65E-07	0.000264	4.08E-05	1.44E-10	4.34E-10	3.42E-10	0	0	0	0	6.647E-10	1.2019E-08	4.08E-05	1.46862E-10	0	7.33037E-11	0
417	570710.6	4178439	0.55, 41784	0.81434	0.64609	0.63688	258.28683	75.2647	339.8113	43.04781	16.40047	56.02404	6.28E-07	0.000335	5.52E-05	1.94E-10	5.85E-10	4.62E-10	0	0	0	0	8.971E-10	1.5226E-08	5.52E-05	1.98194E-10	0	9.89248E-11	0
418	570750.6	4178439	0.55, 41784	1.35572	1.03003	0.91926	343.9155	93.10334	457.76974	57.16949	22.25077	76.29496	9.06E-07	0.000451	7.52E-05	2.8E-10	8.45E-10	6.67E-10	0	0	0	0	1.295E-09	2.0512E-08	7.52E-05	2.86078E-10	0	1.42791E-10	0
419	570790.6	4178439	0.55, 41784	3.18264	2.0617	1.49283	571.47263	129.70009	738.76969	95.66015	38.79176	110.20608	1.47E-06	0.000728	0.000109	4.54E-10	1.37E-09	1.08E-09	0	0	0	0	2.103E-09	3.3103E-08	0.000109	4.64614E-10	0	2.31904E-10	0
420	571070.6	4178439	0.55, 41784	4.74443	12.25677	5.33303	251.71558	235.3671	557.08631	48.15254	87.29167	78.37734	5.26E-06	0.000549	7.73E-05	1.62E-09	4.9E-09	3.87E-09	0	0	0	0	7.514E-09	2.4963E-08	7.73E-05	1.66012E-09	0	8.28618E-10	0
421	571110.6	4178439	0.55, 41784	3.89854	10.39914	4.234	292.37938	213.76959	730.76501	54.55193	96.69541	95.26587	4.18E-06	0.00072	9.39E-05	1.29E-09	3.89E-09	3.07E-09	0	0	0	0	5.966E-09	3.2745E-08	9.39E-05	1.31805E-09	0	6.57883E-10	0
422	571150.6	4178439	0.55, 41784	3.24566	6.14355	3.38328	299.25996	151.74182	537.6659	53.26943	58.88405	104.89845	3.34E-06	0.00053	0.000103	1.03E-09	3.11E-09	2.46E-09	0	0	0	0	4.766E-09	2.4092E-08	0.000103	1.05306E-09	0	5.25615E-10	0
423	571190.6	4178439	0.55, 41784	2.68652	4.20662	2.81661	319.22111	114.25705	663.08885	45.60302	42.68486	97.00809	2.78E-06	0.000654	9.56E-05	8.57E-10	2.59E-09	2.04E-09	0	0	0	0	3.968E-09	2.9711E-08	9.56E-05	8.7661E-10	0	4.37544E-10	0
424	571230.6	4178439	0.55, 41784	2.2851	3.10379	2.38014	355.31137	114.374	594.35462	48.25343	33.87475	78.4876	2.35E-06	0.000586	7.74E-05	7.24E-10	2.19E-09	1.73E-09	0	0	0	0	3.353E-09	2.6632E-08	7.74E-05	7.40733E-10	0	3.69724E-10	0
425	571270.6	4178439	0.55, 41784	1.91581	2.39067	2.08735	281.61312	92.35093	457.23387	43.32371	28.45229	65.31912	2.06E-06	0.000451	6.44E-05	6.35E-10	1.92E-09	1.51E-09	0	0	0	0	2.94E-09	2.0488E-08	6.44E-05	6.49587E-10	0	3.24229E-10	0
426	571310.6	4178439	0.55, 41784	1.62017	1.88774	1.73959	249.98498	75.512	443.82502	38.72031	23.46838	65.04063	1.72E-06	0.000438	6.41E-05	5.29E-10	1.6E-09	1.26E-09	0	0	0	0	2.45E-09	1.9887E-08	6.41E-05	5.41355E-10	0	2.70208E-10	0
427	571350.6	4178439	0.55, 41784	1.36969	1.52492	1.4607	207.90528	71.02603	289.54604	31.99215	18.96422	43.80183	1.44E-06	0.000285	4.32E-05	4.44E-10	1.34E-09	1.06E-09	0	0	0	0	2.057E-09	1.2974E-08	4.32E-05	4.54561E-10	0	2.26886E-10	0
428	571390.6	4178439	0.55, 41784	1.16602	1.25794	1.25769	137.82846	66.02867	157.99714	21.56098	15.29437	27.7078	1.24E-06	0.000156	2.73E-05	3.83E-10	1.16E-09	9.13E-10	0	0	0	0	1.772E-09	7.08E-09	2.73E-05	3.91381E-10	0	1.95351E-10	0
429	571430.6	4178439	0.55, 41784	1.00225	1.05165	1.08939	150.81052	60.59063	188.78292	19.07395	12.70811	25.02004	1.07E-06	0.000186	2.47E-05	3.31E-10	1E-09	7.91E-10	0	0	0	0	1.534E-09	8.4593E-09	2.47E-05	3.39005E-10	0	1.69208E-10	0
430	571470.6	4178439	0.55, 41784	0.86528	0.88825	0.94207	153.64691	54.59461	206.40776	19.20586	10.6849	25.80097	9.29E-07	0.000203	2.54E-05	2.87E-10	8.65E-10	6.84E-10	0	0	0	0	1.327E-09	9.2489E-09	2.54E-05	2.93159E-10	0	1.46325E-10	0
431	571510.6	4178439	0.55, 41784	0.75493	0.76151	0.82291	144.52703	49.13224	189.90829	18.06588	9.74189	23.73854	8.11E-07	0.000187	2.34E-05	2.5E-10	7.56E-10	5.97E-10	0	0	0	0	1.159E-09	8.5096E-09	2.34E-05	2.56077E-10	0	1.27816E-10	0
432	571550.6	4178439	0.55, 41784	0.65913	0.65716	0.71761	127.58758	46.59598	156.05984	15.94845	8.8858	19.50748	7.08E-07	0.000154	1.92E-05	2.18E-10	6.59E-10	5.21E-10	0	0	0	0	1.011E-09	6.9929E-09	1.92E-05	2.23309E-10	0	1.11461E-10	0
433	571590.6	4178439	0.55, 41784	0.57626	0.57045	0.62441	106.82976	44.35137	118.44703	13.35372	8.08009	14.80588	6.16E-07	0.000117	1.46E-05	1.9E-10	5.74E-10	4.53E-10	0	0	0	0	8.795E-10	5.3076E-09	1.46E-05	1.94306E-10	0	9.69845E-11	0
434	570310.6	4178479	0.55, 41784	0.1113	0.08183	0.10709	74.58423	29.47815	84.27127	11.80727	4.00274	12.56763	1.06E-07	8.31E-05	1.24E-05	3.26E-11	9.84E-11	7.77E-11	0	0	0	0	1.508E-10	3.7762E-09	1.24E-05	3.33236E-11	0	1.66329E-11	0
435	570350.6	4178479	0.55, 41784	0.12561	0.09388	0.12027	80.0812	31.76761	91.05741	12.83362	4.33491	13.82729	1.19E-07	8.98E-05	1.36E-05	3.66E-11	1.1E-10	8.73E-11	0	0	0	0	1.694E-10	4.0803E-09	1.36E-05	3.7425E-11	0	1.868E-11	0
436	570390.6	4178479	0.55, 41784	0.14146	0.10678	0.13471	86.10528	34.01158	98.86723	14.01299	4.67053	15.28263	1.33E-07	9.75E-05	1.51E-05	4.1E-11	1.24E-10	9.77E-11	0	0	0	0	1.897E-10	4.4302E-09	1.51E-05	4.19185E-11	0	2.09229E-11	0
437	570430.6	4178479	0.55, 41784	0.16075	0.12266	0.15218	93.00088	36.36689	108.11431	15.32204	5.02469	17.00047	1.5E-07	0.000107	1.68E-05	4.63E-11	1.4E-10	1.1E-10	0	0	0	0	2.143E-10	4.8446E-09	1.68E-05	4.73549E-11	0	2.36363E-11	0
438	570470.6	4178479	0.55, 41784	0.18644	0.14379	0.17515	101.96042	39.51551	120.09702	16.93263	5.48718	19.18544	1.73E-07	0.000118	1.89E-05	5.33E-11	1.61E-10	1.27E-10	0	0	0	0	2.467E-10	5.3815E-09	1.89E-05	5.45028E-11	0	2.72041E-11	0
439	570510.6	4178479	0.55, 41784	0.22079	0.17209	0.20548	113.44919	43.50567	135.70428	18.9082	6.17272	22.02345	2.03E-07	0.000134	2.17E-05	6.25E-11	1.89E-10	1.49E-10	0	0	0	0	2.894E-10	6.0808E-09	2.17E-05	6.39411E-11	0	3.19151E-11	0
440	570550.6	4178479	0.55, 41784	0.2667	0.21004	0.24533	127.7059	48.20733	155.63974	21.28432	7.34053	25.62853	2.42E-07	0.000153	2.53E-05	7.46E-11	2.25E-10	1.78E-10	0	0	0	0	3.455E-10	6.9741E-09	2.53E-05	7.6342E-11	0	3.81047E-11	0
441	570590.6	4178479	0.55, 41784	0.32931	0.26248	0.29831	144.67878	53.44745	182.17951	24.11313	8.81975	30.24215	2.94E-07	0.00018	2.98E-05	9.08E-11	2.74E-10	2.16E-10	0	0	0	0	4.202E-10	8.1633E-09	2.98E-05	9.2829E-11	0	4.63339E-11	0
442	570630.6	4178479	0.55, 41784	0.42133	0.33962	0.37314	165.95931	60.05375	219.0797	27.65989	10.77683	36.51328	3.68E-07	0.000216	3.6E-05	1.14E-10	3.43E-10	2.71E-10	0	0	0	0	5.256E-10	9.8167E-09	3.6E-05	1.16116E-10	0	5.79571E-11	0
443	570670.6	4178479	0.55, 41784	0.56746	0.46145	0.48445	193.36004	69.0612	272.47405	32.22667	13.5092	45.41234	4.78E-07	0.000269	4.48E-05	1.47E-10	4.45E-10	3.52E-10	0	0	0	0	6.824E-10	1.2209E-08	4.48E-05	1.50756E-10	0	7.52469E-11	0
444	570710.6	4178479	0.55, 41784	0.83023	0.67528	0.66195	236.53606	81.84268	352.22256	39.07222	17.68943	58.70376	6.53E-07	0.000347	5.79E-05	2.01E-10	6.08E-10	4.8E-10	0	0	0	0	9.324E-10	1.5783E-08	5.79E-05	2.05995E-10	0	1.02819E-10	0
445	570750.6	4178479	0.55, 41784	1.42426	1.12918	0.97629	342.03514	102.90165	482.1747	49.67165	25.1054	80.36245	9.63E-07	0.000475	7.92E-05	2.97E-10	8.97E-10	7.08E-10	0	0	0	0	1.375E-09	2.1605E-08	7.92E-05	3.03828E-10	0	1.5165E-10	0
446	570790.6	4178479	0.55, 41784	3.63047	2.75084	1.62936	596.75244	187.47347	722.34167	107.7468	51.23422	120.39028	1.61E-06	0.000712	0.000119	4.96E-10	1.5E-09	1.18E-09	0	0	0	0	2.295E-09	3.2367E-08	0.000119	5.07146E-10	0	2.53133E-10	0
447	571030.6	4178479	0.55, 41784	9.40071	15.68167	11.18665	333.68281	267.05875	756.18793	81.11776	110.69164	178.64972	1.1E-05	0.000745	0.000176	3.4E-09	1.03E-08	8.12E-09	0	0	0	0	1.576E-08	3.3884E-08	0.000176	3.48152E-09	0	1.73774E-09	0
448	571070.6	4178479	0.55, 41784	5.59712	9.0131	6.53916	216.22006	204.77885	522.16381	54.58514	76.29745	101.00005	6.45E-06	0.000515	9.96E-05	1.99E-09	6.01E-09	4.75E-09	0	0	0	0	9.212E-09	2.3398E-08	9.96E-05	2.03511E-09	0	1.01579E-09	0
449	571110.6	4178479	0.55, 41784	3.86033	5.8724	4.45436	232.77263	158.88759	526.3096	40.87392	60.11848	68.10823	4.39E-06	0.000519	6.71E-05	1.36E-09	4.09E-09	3.23E-09	0	0	0	0	6.275E-09	2.3583E-08	6.71E-05	1.38626E-09	0	6.91927E-10	0
450	571150.6	4178479	0.55, 41784	2.87873	4.17215	3.24074	243.47288	131.88403	510.79766	36.94401	47.80365	68.59206	3.2E-06	0.000504	6.76E-05	9.86E-10	2.98E-09	2.35E-09	0	0	0	0	4.565E-09	2.2888E-08	6.76E-05	1.00856E-09	0	5.03404E-10	0
451	571190.6	4178479	0.55, 41784	2.25924	3.11768	2.54212	272.99859	103.34976	495.79992	40.61499	35.56429	82.63332	2.51E-06	0.000489	8.15E-05	7.73E-10	2.34E-09	1.84E-09	0	0	0	0	3.581E-09	2.2216E-08	8.15E-05	7.91127E-10	0	3.94877E-10	0
452	571230.6	4178479	0.55, 41784	1.86428	2.43731	2.04705	228.60917	88.43023	428.91859	34.9281	28.65964	53.61482	2.02E-06	0.000423	5.29E-05	6.23E-10	1.88E-09	1.49E-09	0	0	0	0	2.883E-09	1.9219E-08	5.29E-05	6.37052E-10	0	3.17973E-10	0
453	571270.6	4178479	0.55, 41784	1.58233	1.95726	1.72288	275.18297	89.4878	451.79055	39.56066	24.38596	62.99097	1.7E-06	0.000445	6.21E-05	5.24E-10	1.58E-09	1.25E-09	0	0	0	0	2.427E-09	2.0244E-08	6.21E-05	5.36162E-10	0	2.67616E-10	0
454	571310.6	4178479	0.55, 41784	1.35793	1.6065	1.5101	222.77943	77.47813	328.49847	32.82803	21.05024	46.46168	1.49E-06	0.000324	4.58E-05	4.59E-10	1.39E-09	1.1E-09	0	0	0	0	2.127E-09	1.4719E-08	4.58E-05	4.69936E-10	0	2.3456E-10	0
455	571350.6	4178479	0.55, 41784	1.1642	1.33076	1.27594	210.30644	64.61424	297.95893	30.9494	18.13628	42.55235	1.26E-06	0.000294	4.2E-05	3.88E-10	1.17E-09	9.26E-10	0	0	0	0	1.797E-09	1.3351E-08	4.2E-05	3.97065E-10	0	1.98188E-10	0
456	571390.6	4178479	0.55, 41784	1.001	1.11694	1.07653	187.8278	60.73144	278.37154	27.7002	15.35336	39.86006	1.06E-06	0.000274	3.93E-05	3.28E-10	9.89E-10	7.81E-10	0	0	0	0	1.516E-09	1.2473E-08	3.93E-05	3.35009E-10	0	1.67214E-10	0
457	571430.6	4178479	0.55, 41784	0.8626	0.94616	0.9271	141.00765	57.76687	153.44465	20.99683	12.7525	23.01436	9.14E-07	0.000151	2.27E-05	2.82E-10	8.52E-10	6.73E-10	0	0	0	0	1.306E-09	6.8759E-09	2.27E-05	2.88506E-10	0	1.44003E-10	0
458	571470.6	4178479	0.55, 41784	0.75511	0.81334	0.81471	85.41876	54.87579	110.14274	13.60469	11.10539	17.11986	8.03E-07	0.000109	1.69E-05	2.48E-10	7.48E-10	5.91E-10	0	0	0	0	1.148E-09	4.9357E-09	1.69E-05	2.5353E-10	0	1.26545E-10	0
459	571510.6	4178479	0.55, 41784	0.666	0.70453	0.71826	104.54177	51.61661	121.24791	13.06772	9.4895	15.99878	7.08E-07	0.00012	1.58E-05	2.19E-10	6.6E-10	5.21E-10	0	0	0	0	1.012E-09	5.4332E-09	1.58E-05	2.23515E-10	0	1.11563E-10	0
460	571550.6	4178479	0.55, 41784	0.58993	0.61436	0.63446	114.23468	47.78612	141.81512	14.27934	8.47335	17.72689	6.26E-07	0.00014	1.75E-05	1.93E-10	5.83E-10	4.6E-10	0	0	0	0	8.937E-10	6.3547E-09	1.75E-05	1.97436E-10	0	9.85468E-11	0
461	571590.6	4178479	0.55, 41784	0.5248	0.5396	0.56365	114.71837	43.31659	143.69009	14.3398	7.89274	17.96126	5.56E-07	0.000142	1.77E-05	1.71E-10	5.18E-10	4.09E-10	0	0	0	0	7.939E-10	6.4386E-09	1.77E-05	1.75401E-10	0	8.75481E-11	0
462	570310.6	4178519	0.55, 41785	0.10968	0.08323	0.10459	75.92481	30.95134	85.20389	12.65413	4.31611	14.20065	1.03E-07	8.4E-05	1.4E-05	3.18E-11	9.61E-11	7.59E-11	0	0	0	0	1.473E-10	3.818E-09	1.4E-05	3.25459E-11	0	1.62447E-11	0
463	570350.6	4178519	0.55, 41785	0.12253	0.09413	0.11632	80.98331	32.52203	91.70345	13.49722	4.56123	15.28391	1.15E-07	9.04E-05	1.51E-05	3.54E-11	1.07E-10	8.44E-11	0	0	0	0	1.638E-10	4.1092E-09	1.51E-05	3.61961E-11	0	1.80666E-11	0
464	570390.6	4178519	0.55, 41785	0.13706	0.10653	0.12954	86.4192	34.09518	99.00991	14.4032	4.78567	16.50165	1.28E-07	9.76E-05	1.63E-05	3.94E-11	1.19E-10	9.4E-11	0	0	0	0	1.825E-10	4.4366E-09	1.63E-05	4.031E-11	0	2.012E-11	0
465	570430.6	4178519	0.55, 41785	0.15657	0.12308	0.14711	93.48729	36.56809	108.68156	15.58121	5.11226	18.11359	1.45E-07	0.000107	1.79E-05	4.48E-11	1.35E-10	1.07E-10	0	0	0	0	2.072E-10	4.87E-09	1.79E-05	4.57776E-11	0	2.28491E-11	0
466	570470.6	4178519	0.55, 41785	0.18113	0.14422	0.16907	101.65142	39.2669	120.52836	16.9419	5.47129	20.08806	1.67E-07	0.000119	1.98E-05	5.14E-11	1.55E-10	1.23E-10	0	0	0	0	2.381E-10	5.4008E-09	1.98E-05	5.26113E-11	0	2.626E-11	0
467	570510.6	4178519	0.55, 41785	0.21556	0.17373	0.19928	112.42418	43.21366	137.68321	18.73736	6.23491	22.9472	1.96E-07	0.000136	2.26E-05	6.06E-11	1.83E-10	1.45E-10	0	0	0	0	2.807E-10	6.1695E-09	2.26E-05	6.20124E-11	0	3.09524E-11	0
468	570550.6	4178519	0.55, 41785	0.26244	0.21401	0.23948	127.39838	48.06291	159.66591	20.89373	7.26318	26.61098	2.36E-07	0.000157	2.62E-05	7.29E-11	2.2E-10	1.74E-10	0	0	0	0	3.373E-10	7.1545E-09	2.62E-05	7.45223E-11	0	3.71965E-11	0
469	570590.6	4178519	0.55, 41785	0.32438	0.26815	0.29055	146.74921	52.55391	186.84388	23.05175	8.49659	31.14065	2.86E-07	0.000184	3.07E-05	8.84E-11	2.67E-10	2.11E-10	0	0	0	0	4.092E-10	8.3723E-09	3.07E-05	9.04152E-11	0	4.51291E-11	0
470	570630.6	4178519	0.55, 41785	0.41604	0.34788	0.36203	170.82398	60.03664	221.85088	25.41079	10.076	36.97515	3.57E-07	0.000219	3.65E-05	1.1E-10	3.33E-10	2.63E-10	0	0	0	0	5.099E-10	9.9409E-09	3.65E-05	1.1266E-10	0	5.62322E-11	0
471	570670.6	4178519	0.55, 41785	0.56352	0.47347	0.46761	210.6175	71.54419	266.74609	27.95974	12.2085	44.45768	4.61E-07	0.000263	4.38E-05	1.42E-10	4.3E-10	3.39E-10	0	0	0	0	6.587E-10	1.1953E-08	4.38E-05	1.45517E-10	0	7.26324E-11	0
472	570710.6	4178519	0.55, 41785	0.82936	0.69158	0.6351	257.30872	94.91316	337.8148	32.16359	16.3308	53.60133	6.26E-07	0.000333	5.28E-05	1.93E-10	5.83E-10	4.61E-10	0	0	0	0	8.946E-10	1.5137E-08	5.28E-05	1.97644E-10	0	9.86502E-11	0
473	570750.6	4178519	0.55, 41785	1.36529	1.13262	0.93188	327.60111	130.96882	473.41526	45.80096	29.91109	62.68561	9.19E-07	0.000467	6.18E-05	2.84E-10	8.56E-10	6.76E-10	0	0	0	0	1.313E-09	2.1213E-08	6.18E-05	2.90012E-10	0	1.44754E-10	0
474	570790.6	4178519	0.55, 41785	2.09469	1.90095	1.39228	339.24086	174.34023	730.67406	59.4987	49.70987	91.33426	1.37E-06	0.00072	9E-05	4.24E-10	1.28E-09	1.01E-09	0	0	0	0	1.961E-09	3.274E-08	9E-05	4.3331E-10	0	2.16279E-10	0
475	570990.6	4178519	0.55, 41785	30.9381	16.28557	11.79039	1645.60932	278.46944	1244.70182	444.29015	131.46412	279.7997	1.16E-05	0.001227	0.000276	3.59E-09	1.08E-08	8.56E-09	0	0	0	0	1.661E-08	5.5774E-08	0.000276	3.66958E-09	0	1.8316E-09	0
476	571030.6	4178519	0.55, 41785	10.39533	8.05295	7.62595	575.07494	188.36146	999.69988	130.51861	75.45666	173.23921	7.52E-06	0.000985	0.000171	2.32E-09	7.01E-09	5.53E-09	0	0	0	0	1.074E-08	4.4794E-08	0.000171	2.37319E-09	0	1.18453E-09	0
477	571070.6	4178519	0.55, 41785	5.62777	5.38206	5.21191	327.13066	151.27996	542.64793	61.45445	56.79768	91.26612	5.14E-06	0.000535	9E-05	1.59E-09	4.79E-09	3.78E-09	0	0	0	0	7.341E-09	2.4315E-08	9E-05	1.62192E-09	0	8.09551E-10	0
478	571110.6	4178519	0.55, 41785	3.70135	3.92679	3.70614	194.51307	130.68512	402.95521	41.68788	44.49195	69.09918	3.65E-06	0.000397	6.81E-05	1.13E-09	3.4E-09	2.69E-09	0	0	0	0	5.22E-09	1.8056E-08	6.81E-05	1.15334E-09	0	5.75666E-10	0
479	571150.6	4178519	0.55, 41785	2.69329	3.00723	2.77155	208.02281	103.35418	440.08145	30.40761	37.50867	55.01018	2.73E-06	0.000434	5.42E-05	8.43E-10	2.55E-09	2.01E-09	0	0	0	0	3.904E-09	1.9719E-08	5.42E-05	8.62499E-10	0	4.30501E-10	0
480	571190.6	4178519	0.55, 41785	2.08526	2.38411	2.19601	205.94825	100.14217	330.97092	32.90062	31.32752	44.74048	2.17E-06	0.000326	4.41E-05	6.68E-10	2.02E-09	1.59E-09	0	0	0	0	3.093E-09	1.483E-08	4.41E-05	6.83392E-10	0	3.41103E-10	0
481	571230.6	4178519	0.55, 41785	1.66362	1.91731	1.76389	215.41751	83.66277	360.55042	30.77393	25.17962	52.13444	1.74E-06	0.000355	5.14E-05	5.37E-10	1.62E-09	1.28E-09	0	0	0	0	2.485E-09	1.6156E-08	5.14E-05	5.48918E-10	0	2.73982E-10	0
482	571270.6	4178519	0.55, 41785	1.38104	1.58176	1.44385	194.90891	74.63088	227.07234	31.16799	21.56574	34.54332	1.42E-06	0.000224	3.41E-05	4.39E-10	1.33E-09	1.05E-09	0	0	0	0	2.034E-09	1.0175E-08	3.41E-05	4.49323E-10	0	2.24272E-10	0
483	571310.6	4178519	0.55, 41785	1.18628	1.33473	1.24995	227.7435	74.01926	353.91479	34.0231	18.88588	51.12416	1.23E-06	0.000349	5.04E-05	3.8E-10	1.15E-09	9.07E-10	0	0	0	0	1.761E-09	1.5858E-08	5.04E-05	3.88979E-10	0	1.94152E-10	0
484	571350.6	4178519	0.55, 41785	1.02794	1.1349	1.10387	186.21806	66.32591	255.87469	28.09378	16.3212	37.6065	1.09E-06	0.000252	3.71E-05	3.36E-10	1.01E-09	8.01E-10	0	0	0	0	1.555E-09	1.1465E-08	3.71E-05	3.43516E-10	0	1.7146E-10	0
485	571390.6	4178519	0.55, 41785	0.88898	0.96986	0.94947	165.64096	58.31983	230.86073	23.55305	14.40747	29.95608	9.36E-07	0.000228	2.95E-05	2.89E-10	8.72E-10	6.89E-10	0	0	0	0	1.337E-09	1.0345E-08	2.95E-05	2.95468E-10	0	1.47477E-10	0
486	571430.6	4178519	0.55, 41785	0.7696	0.83467	0.8102	166.81635	54.79876	235.11797	23.72844	12.50769	32.6638	7.99E-07	0.000232	3.22E-05	2.47E-10	7.44E-10	5.88E-10	0	0	0	0	1.141E-09	1.0535E-08	3.22E-05	2.52129E-10	0	1.25845E-10	0
487	571470.6	4178519	0.55, 41785	0.67066	0.72494	0.7032	138.40145	51.97552	171.46902	19.82816	10.73341	24.30543	6.93E-07	0.000169	2.4E-05	2.14E-10	6.46E-10	5.1E-10	0	0	0	0	9.905E-10	7.6834E-09	2.4E-05	2.18831E-10	0	1.09226E-10	0
488	571510.6	4178519	0.55, 41785	0.58987	0.63439	0.62004	93.94363	49.66848	89.41667	13.736	9.50533	13.29785	6.11E-07	8.82E-05	1.31E-05	1.89E-10	5.7E-10	4.5E-10	0	0	0	0	8.734E-10	4.007E-09	1.31E-05	1.92952E-10	0	9.63084E-11	0
489	571550.6	4178519	0.55, 41785	0.52422	0.55926	0.55249	64.7066	47.53612	82.72316	9.81761	8.44297	11.85775	5.45E-07	8.16E-05	1.17E-05	1.68E-10	5.08E-10	4.01E-10	0	0	0	0	7.782E-10	3.707E-09	1.17E-05	1.7193E-10	0	8.58159E-11	0
490	571590.6	4178519	0.55, 41785	0.47148	0.49721	0.49682	75.39988	45.27823	83.60413	9.54319	7.49343	11.2302	4.9E-07	8.24E-05	1.11E-05	1.51E-10	4.56E-10	3.61E-10	0	0	0	0	6.998E-10	3.7465E-09	1.11E-05	1.54606E-10	0	7.71687E-11	0
491	570310.6	4178559	0.55, 41785	0.10731	0.08405	0.10201	76.80272	30.54078	89.48595	12.80045	4.19275	14.91432	1.01E-07	8.82E-05	1.47E-05	3.1E-11	9.37E-11	7.4E-11	0	0	0	0	1.437E-10	4.0098E-09	1.47E-05	3.17433E-11	0	1.58441E-11	0
492	570350.6	4178559	0.55, 41785	0.11907	0.09438	0.11262	82.9813	31.5625	94.82328	13.39224	4.31782	15.80388	1.11E-07	9.35E-05	1.56E-05	3.43E-11	1.03E-10	8.17E-11	0	0	0	0	1.586E-10	4.249E-09	1.56E-05	3.5045E-11	0	1.74921E-11	0
493	570390.6	4178559	0.55, 41785	0.1339	0.10748	0.12591	90.55746	32.83588	101.05325	14.07263	4.47793	16.84221	1.24E-07	9.96E-05	1.66E-05	3.83E-11	1.16E-10	9.14E-11	0	0	0	0	1.773E-10	4.5282E-09	1.66E-05	3.91807E-11	0	1.95564E-11	0
494	570430.6	4178559	0.55, 41785	0.15297	0.12443	0.14282	99.07784	34.42492	111.25467	14.88754	4.68196	18.0897	1.41E-07	0.00011	1.78E-05	4.35E-11	1.31E-10	1.04E-10	0	0	0	0	2.012E-10	4.9853E-09	1.78E-05	4.4443E-11	0	2.21829E-11	0
495	570470.6	4178559	0.55, 41785	0.17711	0.14611	0.16369	108.3811	37.13833	125.77833	15.68816	5.10948	19.33096	1.61E-07	0.000124	1.91E-05	4.98E-11	1.5E-10	1.19E-10	0	0	0	0	2.306E-10	5.636E-09	1.91E-05	5.09377E-11	0	2.54246E-11	0
496	570510.6	4178559	0.55, 41785	0.21022	0.1758	0.19176	119.02071	41.74654	144.28309	16.67371	5.7123	20.76073	1.89E-07	0.000142	2.05E-05	5.83E-11	1.76E-10	1.39E-10	0	0	0	0	2.701E-10	6.4652E-09	2.05E-05	5.9673E-11	0	2.97847E-11	0
497	570550.6	4178559	0.55, 41785	0.25686	0.21737	0.22998	138.81712	48.97119	169.0217	17.78034	6.5378	22.20322	2.27E-07	0.000167	2.19E-05	7E-11	2.11E-10	1.67E-10	0	0	0	0	3.239E-10	7.5737E-09	2.19E-05	7.1567E-11	0	3.57214E-11	0
498	570590.6	4178559	0.55, 41785	0.31921	0.27311	0.27901	158.95656	55.69599	196.40207	19.86957	7.90259	24.55026	2.75E-07	0.000194	2.42E-05	8.49E-11	2.56E-10	2.02E-10	0	0	0	0	3.93E-10	8.8006E-09	2.42E-05	8.68254E-11	0	4.33373E-11	0
499	570630.6	4178559	0.55, 41785	0.41072	0.35398	0.34795	180.38278	65.18573	228.48167	22.54785	9.64997	28.56021	3.43E-07	0.000225	2.82E-05	1.06E-10	3.2E-10	2.52E-10	0	0	0	0	4.901E-10	1.0238E-08	2.82E-05	1.0828E-10	0	5.4046E-11	0
500	570670.6	4178559	0.55, 41785	0.55178	0.47716	0.45068	218.05495	85.23197	290.43238	27.25687	14.02323	36.30405	4.44E-07	0.000286	3.58E-05	1.37E-10	4.14E-10	3.27E-10	0	0	0	0	6.348E-10	1.3014E-08	3.58E-05	1.40251E-10	0	7.00035E-11	0
501	570710.6	4178559	0.55, 41785	0.78132	0.6809	0.62169	244.71244	105.12049	355.26836	32.595	21.74638	44.40855	6.13E-07	0.00035	4.38E-05	1.89E-10	5.71E-10	4.51E-10	0	0	0	0	8.757E-10	1.5919E-08	4.38E-05	1.9347E-10	0	9.65672E-11	0
502	570750.6	4178559	0.55, 41785	1.13763	1.02831	0.92752	276.33124	124.7524	514.56755	39.47589	32.46528	64.32094	9.15E-07	0.000507	6.34E-05	2.82E-10	8.52E-10	6.73E-10	0	0	0	0	1.306E-09	2.3057E-08	6.34E-05	2.88646E-10	0	1.44072E-10	0
503	570790.6	4178559	0.55, 41785	1.48115	1.46435	1.34156	285.306	157.20995	776.24295	43.19026	42.97795	97.64972	1.32E-06	0.000765	9.63E-05	4.08E-10	1.23E-09	9.74E-10	0	0	0	0	1.89E-09	3.4782E-08	9.63E-05	4.17492E-10	0	2.08384E-10	0
504	570830.6	4178559	0.55, 41785	2.67811	2.99292	2.3948	342.02881	178.80856	871.65336	66.23843	64.34565	121.28657	2.36E-06	0.000859	0.00012	7.29E-10	2.2E-09	1.74E-09	0	0	0	0	3.373E-09	3.9057E-08	0.00012	7.45289E-10	0	3.71998E-10	0
505	570950.6	4178559	0.55, 41785	26.55575	12.00196	5.05287	679.01352	318.67052	1487.06516	280.37281	116.3834	245.48668	4.98E-06	0.001466	0.000242	1.54E-09	4.64E-09	3.67E-09	0	0	0	0	7.12E-09	6.6632E-08	0.000242	1.57313E-09	0	7.85198E-10	0
506	570990.6	4178559	0.55, 41785	10.52141	6.96087	4.44153	639.29991	205.65266	1371.63359	133.52138	75.6432	174.17097	4.38E-06	0.001352	0.000172	1.35E-09	4.08E-09	3.22E-09	0	0	0	0	6.257E-09	6.1459E-08	0.000172	1.38241E-09	0	6.90005E-10	0
507	571030.6	4178559	0.55, 41785	6.12086	4.69941	3.63304	562.31532	143.87555	907.33173	97.52112	53.65332	135.00156	3.58E-06	0.000894	0.000133	1.11E-09	3.34E-09	2.64E-09	0	0	0	0	5.118E-09	4.0655E-08	0.000133	1.13067E-09	0	5.64355E-10	0
508	571070.6	4178559	0.55, 41785	4.00501	3.46908	2.98955	291.75499	122.4909	364.39166	69.10596	41.80504	75.82917	2.95E-06	0.000359	7.48E-05	9.1E-10	2.75E-09	2.17E-09	0	0	0	0	4.211E-09	1.6328E-08	7.48E-05	9.30367E-10	0	4.64376E-10	0
509	571110.6	4178559	0.55, 41785	2.89394	2.70355	2.4438	288.47324	105.99812	437.78623	48.03981	36.46899	59.71453	2.41E-06	0.000432	5.89E-05	7.44E-10	2.25E-09	1.77E-09	0	0	0	0	3.442E-09	1.9617E-08	5.89E-05	7.60513E-10	0	3.79596E-10	0
510	571150.6	4178559	0.55, 41785	2.21115	2.17534	2.01472	240.56187	97.79178	377.92847	31.90722	30.3701	47.66793	1.99E-06	0.000373	4.7E-05	6.13E-10	1.85E-09	1.46E-09	0	0	0	0	2.838E-09	1.6934E-08	4.7E-05	6.26977E-10	0	3.12944E-10	0
511	571190.6	4178559	0.55, 41785	1.76303	1.79806	1.6955	177.14345	83.63267	264.27885	24.55859	26.34777	34.50528	1.67E-06	0.000261	3.4E-05	5.16E-10	1.56E-09	1.23E-09	0	0	0	0	2.388E-09	1.1842E-08	3.4E-05	5.27633E-10	0	2.63359E-10	0
512	571230.6	4178559	0.55, 41785	1.44054	1.50665	1.43503	192.87207	80.98435	306.26039	29.09943	22.26218	51.0434	1.41E-06	0.000302	5.03E-05	4.37E-10	1.32E-09	1.04E-09	0	0	0	0	2.021E-09	1.3723E-08	5.03E-05	4.46574E-10	0	2.22899E-10	0
513	571270.6	4178559	0.55, 41785	1.19178	1.27042	1.20125	167.21575	71.42327	283.3883	22.32638	19.23301	35.42354	1.18E-06	0.000279	3.49E-05	3.65E-10	1.1E-09	8.72E-10	0	0	0	0	1.692E-09	1.2698E-08	3.49E-05	3.73824E-10	0	1.86587E-10	0

514	571310.6	4178559	0.55, 41785	1.01245	1.08581	1.02025	169.23295	65.49002	155.67948	26.6418	16.91234	25.18935	1.01E-06	0.000153	2.48E-05	3.1E-10	9.37E-10	7.4E-10	0	0	0	0	1.437E-09	6.9761E-09	2.48E-05	3.17498E-10	0	1.58473E-10	0
515	571350.6	4178559	0.55, 41785	0.8838	0.94242	0.90608	194.09519	63.64749	285.0024	28.90026	14.99354	40.61241	8.93E-07	0.000281	4E-05	2.76E-10	8.32E-10	6.58E-10	0	0	0	0	1.276E-09	1.277E-08	4E-05	2.81967E-10	0	1.40739E-10	0
516	571390.6	4178559	0.55, 41785	0.78025	0.82372	0.8159	158.10154	57.98385	206.74246	23.81897	12.89204	30.22211	8.04E-07	0.000204	2.98E-05	2.48E-10	7.5E-10	5.92E-10	0	0	0	0	1.149E-09	9.2639E-09	2.98E-05	2.53901E-10	0	1.2673E-10	0
517	571430.6	4178559	0.55, 41785	0.68512	0.72115	0.71821	137.68904	52.2569	180.06144	18.93914	11.62385	25.68604	7.08E-07	0.000178	2.53E-05	2.19E-10	6.6E-10	5.21E-10	0	0	0	0	1.012E-09	8.0684E-09	2.53E-05	2.23501E-10	0	1.11556E-10	0
518	571470.6	4178559	0.55, 41785	0.60049	0.63425	0.62389	143.56241	49.93475	187.32246	19.90478	10.29716	25.60594	6.15E-07	0.000185	2.52E-05	1.9E-10	5.73E-10	4.53E-10	0	0	0	0	8.788E-10	8.3937E-09	2.52E-05	1.9415E-10	0	9.69063E-11	0
519	571510.6	4178559	0.55, 41785	0.52736	0.56045	0.5447	131.02036	47.72087	167.66109	18.26486	8.99798	23.11602	5.37E-07	0.000165	2.28E-05	1.66E-10	5E-10	3.95E-10	0	0	0	0	7.672E-10	7.5127E-09	2.28E-05	1.69507E-10	0	8.46063E-11	0
520	571550.6	4178559	0.55, 41785	0.46874	0.49944	0.48529	99.50634	45.73793	109.0385	14.05158	8.03042	15.4257	4.78E-07	0.000107	1.52E-05	1.48E-10	4.46E-10	3.52E-10	0	0	0	0	6.836E-10	4.8861E-09	1.52E-05	1.51019E-10	0	7.53784E-11	0
521	571590.6	4178559	0.55, 41785	0.42104	0.44786	0.43792	63.39282	43.98321	60.02596	9.17705	7.35207	9.24249	4.32E-07	5.92E-05	9.11E-06	1.33E-10	4.02E-10	3.18E-10	0	0	0	0	6.168E-10	2.69E-09	9.11E-06	1.36277E-10	0	6.80204E-11	0
522	570310.6	4178599	0.55, 41785	0.10507	0.08466	0.09914	83.25071	28.48032	95.05484	11.19876	3.62883	12.56574	9.77E-08	9.37E-05	1.24E-05	3.02E-11	9.11E-11	7.19E-11	0	0	0	0	1.396E-10	4.2593E-09	1.24E-05	3.08504E-11	0	1.53984E-11	0
523	570350.6	4178599	0.55, 41785	0.11716	0.09561	0.10985	88.57329	30.33455	103.53599	11.44069	3.79182	12.942	1.08E-07	0.000102	1.28E-05	3.34E-11	1.01E-10	7.97E-11	0	0	0	0	1.547E-10	4.6394E-09	1.28E-05	3.41833E-11	0	1.7062E-11	0
524	570390.6	4178599	0.55, 41785	0.13131	0.10865	0.12235	93.2639	32.45644	112.44406	11.65799	4.05706	14.05551	1.21E-07	0.000111	1.39E-05	3.72E-11	1.12E-10	8.88E-11	0	0	0	0	1.723E-10	5.0385E-09	1.39E-05	3.80733E-11	0	1.90036E-11	0
525	570430.6	4178599	0.55, 41785	0.15022	0.126	0.13878	103.53542	36.02365	122.12845	12.94193	4.50296	15.26606	1.37E-07	0.00012	1.51E-05	4.22E-11	1.27E-10	1.01E-10	0	0	0	0	1.955E-10	5.4725E-09	1.51E-05	4.31862E-11	0	2.15556E-11	0
526	570470.6	4178599	0.55, 41785	0.17421	0.14819	0.15942	115.63183	39.91557	131.63773	14.45398	5.34922	16.45472	1.57E-07	0.00013	1.62E-05	4.85E-11	1.46E-10	1.16E-10	0	0	0	0	2.245E-10	5.8986E-09	1.62E-05	4.96094E-11	0	2.47616E-11	0
527	570510.6	4178599	0.55, 41785	0.20799	0.17912	0.18803	128.15759	44.54205	154.67263	16.0197	6.36274	19.33408	1.85E-07	0.000152	1.91E-05	5.72E-11	1.73E-10	1.36E-10	0	0	0	0	2.648E-10	6.9307E-09	1.91E-05	5.85128E-11	0	2.92056E-11	0
528	570550.6	4178599	0.55, 41785	0.25382	0.22088	0.22625	141.74172	51.90419	182.47104	17.71771	7.41488	22.80888	2.23E-07	0.00018	2.25E-05	6.88E-11	2.08E-10	1.64E-10	0	0	0	0	3.187E-10	8.1764E-09	2.25E-05	7.04068E-11	0	3.51423E-11	0
529	570590.6	4178599	0.55, 41785	0.31442	0.27626	0.27638	161.8077	62.94071	207.9054	20.22596	8.27119	25.98817	2.73E-07	0.000205	2.56E-05	8.41E-11	2.54E-10	2.01E-10	0	0	0	0	3.893E-10	9.3161E-09	2.56E-05	8.60073E-11	0	4.2929E-11	0
530	570630.6	4178599	0.55, 41785	0.39904	0.35395	0.34775	187.04764	77.01967	233.41259	23.38095	12.20463	29.17657	3.43E-07	0.00023	2.88E-05	1.06E-10	3.19E-10	2.52E-10	0	0	0	0	4.898E-10	1.0459E-08	2.88E-05	1.08218E-10	0	5.40149E-11	0
531	570670.6	4178599	0.55, 41785	0.52025	0.46779	0.4567	203.91154	89.67976	314.96286	27.18561	17.16092	39.37036	4.5E-07	0.00031	3.88E-05	1.39E-10	4.2E-10	3.31E-10	0	0	0	0	6.433E-10	1.4113E-08	3.88E-05	1.42122E-10	0	7.09378E-11	0
532	570710.6	4178599	0.55, 41785	0.68748	0.63563	0.62617	226.5911	101.22552	383.25212	32.37016	22.387	47.90652	6.17E-07	0.000378	4.72E-05	1.91E-10	5.75E-10	4.54E-10	0	0	0	0	8.82E-10	1.7173E-08	4.72E-05	1.9486E-10	0	9.72608E-11	0
533	570750.6	4178599	0.55, 41785	0.91976	0.89022	0.88415	243.41497	114.05895	499.75889	34.77357	31.00996	69.4997	8.72E-07	0.000493	6.85E-05	2.69E-10	8.12E-10	6.42E-10	0	0	0	0	1.245E-09	2.2393E-08	6.85E-05	2.7514E-10	0	1.37331E-10	0
534	570790.6	4178599	0.55, 41785	1.20615	1.22781	1.16033	261.32328	130.44037	537.17009	39.31654	39.06207	73.65107	1.14E-06	0.00053	7.26E-05	3.53E-10	1.07E-09	8.42E-10	0	0	0	0	1.634E-09	2.407E-08	7.26E-05	3.6109E-10	0	1.80232E-10	0
535	570830.6	4178599	0.55, 41785	1.86035	2.06593	1.53512	307.79075	158.37727	606.96091	57.33573	51.17396	80.52216	1.51E-06	0.000598	7.94E-05	4.67E-10	1.41E-09	1.11E-09	0	0	0	0	2.162E-09	2.7197E-08	7.94E-05	4.77759E-10	0	2.38465E-10	0
536	570870.6	4178599	0.55, 41785	2.81953	3.8452	1.88016	429.66876	238.19724	679.18896	77.96533	87.47681	90.64703	1.85E-06	0.00067	8.94E-05	5.72E-10	1.73E-09	1.36E-09	0	0	0	0	2.649E-09	3.0434E-08	8.94E-05	5.85248E-10	0	2.92116E-10	0
537	570910.6	4178599	0.55, 41785	4.21414	6.38342	2.32175	555.65098	273.48442	945.27353	124.98504	103.73159	124.24769	2.29E-06	0.000932	0.000123	7.07E-10	2.13E-09	1.69E-09	0	0	0	0	3.272E-09	4.2357E-08	0.000123	7.22836E-10	0	3.60791E-10	0
538	570950.6	4178599	0.55, 41785	4.59898	4.54538	2.28746	563.80012	195.03038	769.06119	96.52509	58.5202	125.1466	2.26E-06	0.000758	0.000123	6.96E-10	2.1E-09	1.66E-09	0	0	0	0	3.223E-09	3.4461E-08	0.000123	7.12031E-10	0	3.55397E-10	0
539	570990.6	4178599	0.55, 41785	3.82228	3.4158	2.10211	387.45867	157.86758	722.29473	74.93195	45.58999	97.36969	2.07E-06	0.000712	9.6E-05	6.4E-10	1.93E-09	1.53E-09	0	0	0	0	2.961E-09	3.2365E-08	9.6E-05	6.54274E-10	0	3.26569E-10	0
540	571030.6	4178599	0.55, 41785	3.02247	2.69987	1.99871	442.17309	124.03841	776.22539	67.82636	38.72372	97.59907	1.97E-06	0.000765	9.62E-05	6.08E-10	1.84E-09	1.45E-09	0	0	0	0	2.816E-09	3.4781E-08	9.62E-05	6.22044E-10	0	3.10482E-10	0
541	571070.6	4178599	0.55, 41785	2.43201	2.20804	1.81695	323.32852	105.96293	523.5768	49.87717	32.54487	75.45431	1.79E-06	0.000516	7.44E-05	5.53E-10	1.67E-09	1.32E-09	0	0	0	0	2.559E-09	2.346E-08	7.44E-05	5.65454E-10	0	2.82236E-10	0
542	571110.6	4178599	0.55, 41785	1.9361	1.83698	1.53551	285.52756	89.63178	395.42144	42.26506	28.59229	57.87538	1.51E-06	0.00039	5.71E-05	4.67E-10	1.41E-09	1.11E-09	0	0	0	0	2.163E-09	1.7718E-08	5.71E-05	4.77864E-10	0	2.38517E-10	0
543	571150.6	4178599	0.55, 41785	1.58315	1.55537	1.34493	182.41041	88.91432	301.39134	29.75311	25.20352	37.67392	1.33E-06	0.000297	3.71E-05	4.09E-10	1.24E-09	9.76E-10	0	0	0	0	1.894E-09	1.3505E-08	3.71E-05	4.18549E-10	0	2.08911E-10	0
544	571190.6	4178599	0.55, 41785	1.33739	1.33597	1.20735	189.26194	77.8274	237.13522	24.55337	21.99349	31.52399	1.19E-06	0.000234	3.11E-05	3.67E-10	1.11E-09	8.76E-10	0	0	0	0	1.701E-09	1.0626E-08	3.11E-05	3.75728E-10	0	1.87538E-10	0
545	571230.6	4178599	0.55, 41785	1.14183	1.1549	1.07779	177.02423	70.01737	247.02933	25.42204	18.83046	36.19826	1.06E-06	0.000244	3.57E-05	3.28E-10	9.9E-10	7.82E-10	0	0	0	0	1.518E-09	1.1069E-08	3.57E-05	3.35405E-10	0	1.67411E-10	0
546	571270.6	4178599	0.55, 41785	0.97959	1.00523	0.95378	160.46118	68.49541	236.51718	22.92303	16.81937	33.9008	9.4E-07	0.000233	3.34E-05	2.9E-10	8.76E-10	6.92E-10	0	0	0	0	1.343E-09	1.0598E-08	3.34E-05	2.96812E-10	0	1.48148E-10	0
547	571310.6	4178599	0.55, 41785	0.84011	0.87488	0.82502	131.92842	62.86665	193.55215	16.49105	15.16442	24.19402	8.13E-07	0.000191	2.39E-05	2.51E-10	7.58E-10	5.99E-10	0	0	0	0	1.162E-09	8.673E-09	2.39E-05	2.56743E-10	0	1.28149E-10	0
548	571350.6	4178599	0.55, 41785	0.73896	0.77159	0.73066	149.85158	58.69155	153.82017	22.55392	13.49962	22.49489	7.2E-07	0.000152	2.22E-05	2.22E-10	6.71E-10	5.3E-10	0	0	0	0	1.029E-09	6.8927E-09	2.22E-05	2.27378E-10	0	1.13492E-10	0
549	571390.6	4178599	0.55, 41785	0.661	0.68563	0.66671	168.50279	56.32456	235.09945	24.41155	12.10471	32.40344	6.57E-07	0.000232	3.19E-05	2.03E-10	6.12E-10	4.84E-10	0	0	0	0	9.391E-10	1.0534E-08	3.19E-05	2.07476E-10	0	1.03558E-10	0
550	571430.6	4178599	0.55, 41785	0.59511	0.61204	0.61151	136.17098	51.76249	171.68803	20.03651	10.61326	24.28892	6.03E-07	0.000169	2.39E-05	1.86E-10	5.62E-10	4.44E-10	0	0	0	0	8.613E-10	7.6932E-09	2.39E-05	1.90296E-10	0	9.4983E-11	0
551	571470.6	4178599	0.55, 41785	0.53051	0.54561	0.54811	117.9441	47.17442	154.11151	16.84916	9.40387	22.01593	5.4E-07	0.000152	2.17E-05	1.67E-10	5.04E-10	3.98E-10	0	0	0	0	7.72E-10	6.9056E-09	2.17E-05	1.70567E-10	0	8.51353E-11	0
552	571510.6	4178599	0.55, 41785	0.47218	0.48877	0.48576	120.07824	45.51387	145.12306	16.38718	8.49605	19.65912	4.79E-07	0.000143	1.94E-05	1.48E-10	4.46E-10	3.52E-10	0	0	0	0	6.842E-10	6.5029E-09	1.94E-05	1.51164E-10	0	7.5451E-11	0
553	571550.6	4178599	0.55, 41785	0.42043	0.43954	0.43052	119.99429	43.92883	151.34582	16.43506	7.56489	20.5622	4.24E-07	0.000149	2.03E-05	1.31E-10	3.96E-10	3.12E-10	0	0	0	0	6.064E-10	6.7817E-09	2.03E-05	1.33975E-10	0	6.6871E-11	0
554	571590.6	4178599	0.55, 41785	0.37632	0.39688	0.38556	100.33698	42.40478	116.86516	13.86046	7.00095	16.11187	3.8E-07	0.000115	1.59E-05	1.17E-10	3.54E-10	2.8E-10	0	0	0	0	5.431E-10	5.2367E-09	1.59E-05	1.19984E-10	0	5.98877E-11	0
555	570310.6	4178639	0.55, 41786	0.10356	0.08559	0.09711	83.92303	29.66661	96.15389	10.49038	3.70833	12.01924	9.57E-08	9.48E-05	1.19E-05	2.95E-11	8.92E-11	7.05E-11	0	0	0	0	1.368E-10	4.3086E-09	1.19E-05	3.02189E-11	0	1.50832E-11	0
556	570350.6	4178639	0.55, 41786	0.1161	0.09716	0.10841	92.63397	32.60646	103.61771	11.57925	4.08084	12.95221	1.07E-07	0.000102	1.28E-05	3.3E-11	9.96E-11	7.87E-11	0	0	0	0	1.527E-10	4.6431E-09	1.28E-05	3.37354E-11	0	1.68384E-11	0
557	570390.6	4178639	0.55, 41786	0.13068	0.11086	0.1215	100.54346	34.97331	116.66288	12.56793	4.70976	14.58286	1.2E-07	0.000115	1.44E-05	3.7E-11	1.12E-10	8.82E-11	0	0	0	0	1.711E-10	5.2276E-09	1.44E-05	3.7809E-11	0	1.88717E-11	0
558	570430.6	4178639	0.55, 41786	0.14929	0.12834	0.13819	107.49924	37.52244	130.89362	13.4374	5.36035	16.3617	1.36E-07	0.000129	1.61E-05	4.2E-11	1.27E-10	1E-10	0	0	0	0	1.946E-10	5.8652E-09	1.61E-05	4.30029E-11	0	2.14641E-11	0
559	570470.6	4178639	0.55, 41786	0.17443	0.15183	0.16061	116.62505	42.4162	145.19757	14.57813	6.05946	18.1497	1.58E-07	0.000143	1.79E-05	4.89E-11	1.48E-10	1.17E-10	0	0	0	0	2.262E-10	6.5062E-09	1.79E-05	4.99799E-11	0	2.49465E-11	0
560	570510.6	4178639	0.55, 41786	0.20768	0.18277	0.19013	127.00459	48.18252	156.06863	15.87557	6.71257	19.50858	1.87E-07	0.000154	1.92E-05	5.78E-11	1.75E-10	1.38E-10	0	0	0	0	2.678E-10	6.9933E-09	1.92E-05	5.91664E-11	0	2.95318E-11	0
561	570550.6	4178639	0.55, 41786	0.2504	0.22269	0.22841	148.76746	59.99627	172.72318	18.59593	7.58374	21.5904	2.25E-07	0.00017	2.13E-05	6.95E-11	2.1E-10	1.66E-10	0	0	0	0	3.217E-10	7.7397E-09	2.13E-05	7.10789E-11	0	3.54778E-11	0
562	570590.6	4178639	0.55, 41786	0.30521	0.27478	0.27907	162.38276	69.4472	222.88998	20.29784	10.74133	27.86125	2.75E-07	0.00022	2.75E-05	8.49E-11	2.56E-10	2.03E-10	0	0	0	0	3.931E-10	9.9875E-09	2.75E-05	8.6844E-11	0	4.33466E-11	0
563	570630.6	4178639	0.55, 41786	0.37839	0.34592	0.35098	177.15033	78.68271	266.26636	23.7109	14.16715	33.28329	3.46E-07	0.000262	3.28E-05	1.07E-10	3.22E-10	2.55E-10	0	0	0	0	4.944E-10	1.1931E-08	3.28E-05	1.09222E-10	0	5.45161E-11	0
564	570670.6	4178639	0.55, 41786	0.47152	0.44129	0.44999	194.04584	86.02037	313.51443	27.72083	17.24466	39.1893	4.44E-07	0.000309	3.86E-05	1.37E-10	4.13E-10	3.27E-10	0	0	0	0	6.338E-10	1.4048E-08	3.86E-05	1.40032E-10	0	6.98947E-11	0
565	570710.6	4178639	0.55, 41786	0.59058	0.57043	0.57865	207.44684	93.90742	372.29223	29.63526	21.88085	53.1846	5.71E-07	0.000367	5.24E-05	1.76E-10	5.32E-10	4.2E-10	0	0	0	0	8.151E-10	1.6682E-08	5.24E-05	1.8007E-10	0	8.98788E-11	0
566	570750.6	4178639	0.55, 41786	0.7421	0.74424	0.7234	219.27007	107.04803	379.32522	31.3243	27.05481	52.15596	7.13E-07	0.000374	5.14E-05	2.2E-10	6.65E-10	5.25E-10	0	0	0	0	1.019E-09	1.6997E-08	5.14E-05	2.25117E-10	0	1.12363E-10	0
567	570790.6	4178639	0.55, 41786	0.94425	0.97087	0.85006	237.37937	117.94026	412.19598	33.01145	30.70173	55.76703	8.38E-07	0.000406	5.5E-05	2.59E-10	7.81E-10	6.17E-10	0	0	0	0	1.197E-09	1.847E-08	5.5E-05	2.64541E-10	0	1.32041E-10	0
568	570830.6	4178639	0.55, 41786	1.23329	1.33292	0.96284	295.25944	130.22679	473.13116	42.69044	39.99654	61.26658	9.49E-07	0.000466	6.04E-05	2.93E-10	8.85E-10	6.99E-10	0	0	0	0	1.356E-09	2.12E-08	6.04E-05	2.99658E-10	0	1.49569E-10	0
569	570870.6	4178639	0.55, 41786	1.50989	1.73214	1.20169	317.24906	188.19869	615.93486	58.25942	53.82297	76.99186	1.18E-06	0.000607	7.59E-05	3.66E-10	1.1E-09	8.72E-10	0	0	0	0	1.693E-09	2.7599E-08	7.59E-05	3.73999E-10	0	1.86675E-10	0
570	570910.6	4178639	0.55, 41786	1.78259	1.99297	1.30656	332.58479	179.86407	638.76492	63.94152	52.98497	79.84561	1.29E-06	0.00063	7.87E-05	3.98E-10	1.2E-09	9.48E-10	0	0	0	0	1.841E-09	2.8622E-08	7.87E-05	4.06647E-10	0	2.0297E-10	0
571	570950.6	4178639	0.55, 41786	1.86524	1.94862	1.2876	326.77204	147.92341	425.10208	57.64661	41.4452	82.66786	1.27E-06	0.000419	8.15E-05	3.92E-10	1.18E-09	9.34E-10	0	0	0	0	1.814E-09	1.9049E-08	8.15E-05	4.00746E-10	0	2.00025E-10	0
572	570990.6	4178639	0.55, 41786	1.76592	1.78245	1.25006	311.73236	122.31574	573.48464	43.80696	33.57582	91.70195	1.23E-06	0.000565	9.04E-05	3.8E-10	1.15E-09	9.07E-10	0	0	0	0	1.761E-09	2.5697E-08	9.04E-05	3.89053E-10	0	1.94189E-10	0
573	571030.6	4178639	0.55, 41786	1.5977	1.58915	1.17717	263.38378	106.70114	334.97263	40.88022	26.80487	57.79917	1.16E-06	0.00033	5.7E-05	3.58E-10	1.08E-09	8.54E-10	0	0	0	0	1.658E-09	1.501E-08	5.7E-05	3.6636E-10	0	1.82862E-10	0
574	571070.6	4178639	0.55, 41786	1.42629	1.41473	1.18099	323.91584	92.06505	516.79706	44.84431	24.93328	64.76299	1.16E-06	0.000509	6.38E-05	3.59E-10	1.08E-09	8.57E-10	0	0	0	0	1.664E-09	2.3156E-08	6.38E-05	3.67534E-10	0	1.83448E-10	0
575	571110.6	4178639	0.55, 41786	1.27265	1.25146	1.07066	231.49813	85.11921	353.08688	34.4516	22.95032	48.16161	1.06E-06	0.000348	4.75E-05	3.26E-10	9.84E-10	7.77E-10	0	0	0	0	1.508E-09	1.5821E-08	4.75E-05	3.33196E-10	0	1.66309E-10	0
576	571150.6	4178639	0.55, 41786	1.10067	1.1079	0.9372	235.36335	78.49538	345.02109	33.92291	20.75102	48.66179	9.24E-07	0.00034	4.8E-05	2.85E-10	8.61E-10	6.8E-10	0	0	0	0	1.32E-09	1.546E-08	4.8E-05	2.91663E-10	0	1.45578E-10	0
577	571190.6	4178639	0.55, 41786	0.96404	0.98605	0.85109	150.10185	73.9658	197.92558	22.00887	18.66835	28.93746	8.39E-07	0.000195	2.85E-05	2.59E-10	7.82E-10	6.18E-10	0	0	0	0	1.199E-09	8.869E-09	2.85E-05	2.64863E-10	0	1.32202E-10	0
578	571230.6	4178639	0.55, 41786	0.85847	0.87787	0.78438	130.71922	65.23747	181.52397	20.98447	16.26127	28.21366	7.73E-07	0.000179	2.78E-05	2.39E-10	7.21E-10	5.69E-10	0	0	0	0	1.105E-09	8.1341E-09	2.78E-05	2.441E-10	0	1.21838E-10	0
579	571270.6	4178639	0.55, 41786	0.76521	0.78388	0.72231	147.71702	61.52416	210.17535	22.46264	14.29709	35.02922	7.12E-07	0.000207	3.45E-05	2.2E-10	6.64E-10	5.24E-10	0	0	0	0	1.017E-09	9.4178E-09	3.45E-05	2.24782E-10	0	1.12196E-10	0
580	571310.6	4178639	0.55, 41786	0.67814	0.70066	0.65218	136.41117	59.8434	199.34802	17.34958	13.40052	24.9185	6.43E-07	0.000197	2.46E-05	1.98E-10	5.99E-10	4.73E-10	0	0	0	0	9.186E-10	8.9326E-09	2.46E-05	2.02957E-10	0	1.01302E-10	0
581	571350.6	4178639	0.55, 41786	0.60279	0.6273	0.58324	124.67819	56.4143	162.56927	15.58477	12.33978	20.32116	5.75E-07	0.00016	2E-05	1.77E-10	5.36E-10	4.23E-10	0	0	0	0	8.215E-10	7.2847E-09	2E-05	1.81503E-10	0	9.05938E-11	0
582	571390.6	4178639	0.55, 41786	0.54567	0.56561	0.53406	134.64293	53.30447	146.45838	19.4501	11.04071	20.47738	5.27E-07	0.000144	2.02E-05	1.62E-10	4.91E-10	3.88E-10	0	0	0	0	7.523E-10	6.5628E-09	2.02E-05	1.66197E-10	0	8.29544E-11	0
583	571430.6	4178639	0.55, 41786	0.50035	0.51255	0.49968	147.79016	50.85435	197.85336	20.77571	9.97795	26.64502	4.93E-07	0.000195	2.63E-05	1.52E-10	4.59E-10	3.63E-10	0	0	0	0	7.038E-10	8.8656E-09	2.63E-05	1.55497E-10	0	7.76135E-11	0
584	571470.6	4178639	0.55, 41786	0.45884	0.46513	0.46599	118.76181	47.03177	145.5886	16.94782	8.9119	19.9832	4.59E-07	0.000144	1.97E-05	1.42E-10	4.28E-10	3.38E-10	0	0	0	0	6.564E-10	6.5238E-09	1.97E-05	1.45012E-10	0	7.23801E-11	0
585	571510.6	4178639	0.55, 41786	0.41516	0.4204	0.42431	105.04191	43.02213	132.76114	15.00599	7.61313	18.96588	4.18E-07	0.000131	1.87E-05	1.29E-10	3.9E-10	3.08E-10	0	0	0	0	5.977E-10	5.949E-09	1.87E-05	1.32041E-10	0	6.5906E-11	0
586	571550.6	4178639	0.55, 41786	0.37489	0.38245	0.3824	101.59712	41.64808	125.74417	13.25702	7.0054	15.71802	3.77E-07	0.000124	1.55E-05	1.16E-10	3.51E-10	2.77E-10	0	0	0	0	5.386E-10	5.6345E-09	1.55E-05	1.18999E-10	0	5.93964E-11	0
587	571590.6	4178639	0.55, 41786	0.33863	0.34937	0.34405	106.83121	40.48294	130.44071	14.45913	6.53587	17.55635	3.39E-07	0.000129	1.73E-05	1.05E-10	3.16E-10	2.5E-10	0	0	0	0	4.846E-10	5.845E-09	1.73E-05	1.07066E-10	0	5.34399E-11	0
588	570310.6	4178679	0.55, 41786	0.10291	0.0869	0.09701	88.39628	30.98258	103.31105	11.04953	4.21243	12.91388	9.56E-08	0.000102	1.27E-05	2.95E-11	8.91E-11	7.04E-11	0	0	0	0	1.366E-10	4.6293E-09	1.27E-05	3.01879E-11	0	1.50678E-11	0
589	570350.6	4178679	0.55, 41786	0.11574	0.09888	0.10892	93.23081	33.32166	112.3331	11.65385	4.76024	14.04164	1.07E-07	0.000111	1.38E-05	3.31E-11	1E-10	7.9E-11	0	0	0	0	1.534E-10	5.0336E-09	1.38E-05	3.38942E-11	0	1.69177E-11	0
590	570390.6	4178679	0.55, 41786	0.13137	0.11361	0.12342	99.39798	36.831	119.21549	12.42475	5.26157	14.90194	1.22E-07	0.000118	1.47E-05	3.76E-11	1.13E-10	8.96E-11	0	0	0	0	1.738E-10	5.342E-09	1.47E-05	3.84065E-11	0	1.91699E-11	0
591	570430.6	4178679	0.55, 41786	0.15074	0.13191	0.14135	105.99103	39.73692	126.723	13.24888	5.6767	15.84037	1.39E-07	0.000125	1.56E-05	4.3E-11	1.3E-10	1.03E-10	0	0	0	0	1.991E-10	5.6784E-09	1.56E-05	4.39862E-11	0	2.19549E-11	0
592	570470.6	4178679	0.55, 41786	0.17494	0.15487	0.16378	121.69462	47.75873	135.7735	15.21183	5.96984	16.97169	1.61E-07	0.000134	1.67E-05	4.98E-11	1.5E-10	1.19E-10	0	0	0	0	2.307E-10	6.084E-09	1.67E-05	5.09663E-11	0	2.54389E-11	0
593	570510.6	4178679	0.55, 41786	0.2057	0.18414	0.19253	135.37794	56.46386	170.3708	16.92224	7.12807	21.29635	1.9E-07	0.000168	2.1E-05	5.86E-11	1.77E-10	1.4E-10	0	0	0	0	2.712E-10	7.6342E-09	2.1E-05	5.99131E-11	0	2.99045E-11	0
594	570550.6	4178679	0.55, 41786	0.2434	0.22078	0.22908	142.10791	62.60325	200.29273	17.76349	9.55219	25.03659	2.26E-07	0.000197	2.47E-05	6.97E-11	2.1E-10	1.66E-10	0	0	0	0	3.227E-10	8.975E-09	2.47E-05	7.12872E-11	0	3.55817E-11	0
595	570590.6	4178679	0.55, 41786	0.29132	0.2684	0.27784	157.44437	70.02377	210.9671	21.20731	12.01595	26.37089	2.74E-07	0.000208	2.6E-05	8.45E-11	2.55E-10	2.02E-10	0	0	0	0	3.913E-10	9.4533E-09	2.6E-05	8.64608E-11	0	4.31553E-11	0
596	570630.6	4178679	0.55, 41786	0.34871	0.32823	0.33909	170.78411	74.6949	263.98396	24.39773	14.09383	33.40233	3.34E-07	0.00026	3.29E-05	1.03E-10	3.12E-10	2.46E-10	0	0	0	0	4.776E-10	1.1829E-08	3.29E-05	1.05521E-10	0	5.26689E-11	0
597	570670.6	4178679	0.55, 41786	0.41782	0.40379	0.41108	181.29369	80.27499	295.25985	25.8991	15.99045	42.12286	4.05E-07	0.000291	4.15E-05	1.25E-10	3.78E-10	2.98E-10	0	0	0	0	5.79E-10	1.323E-08	4.15E-05	1.27924E-10	0	6.38509E-11	0
598	570710.6	4178679	0.55, 41786	0.49876	0.49687	0.48618	185.88712	90.92914	287.65142	26.5553	19.21501	39.31628	4.79E-07	0.000284	3.88E-05	1.48E-10	4.47E-10	3.53E-10	0	0	0	0	6.848E-10	1.2889E-08	3.88E-05	1.51296E-10	0	7.55166E-11	0
599	570750.6	4178679	0.55, 41786	0.59336	0.60818	0.55751	195.07014	97.11431	330.72411	27.40212	20.89244	45.57898	5.5E-07	0.000326	4.49E-05	1.7E-10	5.12E-10	4.05E-10	0	0	0	0	7.853E-10	1.4819E-08	4.49E-05	1.73496E-10	0	8.65976E-11	0
600	570790.6	4178679	0.55, 41786	0.71288	0.74367	0.61675	232.56486	100.08812	327.08033	29.70634	25.09865	40.88504	6.08E-07	0.000322	4.03E-05	1.88E-10	5.67E-10	4.48E-10	0	0	0	0	8.688E-10	1.4656E-08	4.03E-05	1.91938E-10	0	9.58023E-11	0
601	570830.6	4178679	0.55, 41786	0.82835	0.8948	0.66469	250.25968	113.32691	367.70207	36.36599	33.16876	46.21837	6.55E-07	0.000362	4.56E-05	2.02E-10	6.11E-10	4.82E-10	0	0	0	0	9.363E-10	1.6476E-08	4.56E-05	2.06865E-10	0	1.03253E-10	0
602	570870.6	4178679	0.55, 41786	0.92801	1.04065	0.83445	269.45277	158.88347	492.55659	39.41339	35.15016	62.53118	8.23E-07	0.000486	6.16E-05	2.54E-10	7.67E-10	6.06E-10	0	0	0	0	1.175E-09	2.2071E-08	6.16E-05	2.5969E-10	0	1.2962E-10	0
603	570910.6	4178679	0.55, 41786	1.03394	1.13081	0.83809	259.70616	144.94226	471.11442	42.20689	35.5523	58.8893	8.26E-07	0.000464	5.81E-05	2.55E-10	7.7E-10	6.08E-10	0	0	0	0	1.181E-09	2.111E-08	5.81E-05	2.6083E-10	0	1.30189E-10	0
604	570950.6	4178679	0.55, 41786	1.05684	1.13643	0.82319	242.80014	123.49716	418.67106	39.92153	30.15323	58.18912	8.12E-07	0.000413	5.74E-05	2.5E-10	7.56E-10	5.97E-10	0	0	0	0	1.16E-09	1.876E-08	5.74E-05	2.56196E-10	0	1.27875E-10	0
605	570990.6	4178679	0.55, 41786	1.01802	1.09421	0.82722	255.86386	105.93706	407.98363	37.15781	26.85338	67.99727	8.16E-07	0.000402	6.7E-05	2.52E-10	7.6E-10	6E-10	0	0	0	0	1.165E-09	1.8281E-08	6.7E-05	2.57446E-10	0	1.28499E-10	0
606	571030.6	4178679	0.55, 41786	0.98373	1.03259	0.8073	224.24787	96.85684	406.17161	32.03518	21.71644	50.77145	7.96E-07	0.0004	5.01E-05	2.46E-10	7.42E-10	5.86E-10	0	0	0	0	1.137E-09	1.82E-08	5.01E-05	2.51243E-10	0	1.25404E-10	0
607	571070.6	4178679	0.55, 41786	0.92088	0.95493	0.77727	234.21131	81.25508	306.97474	29.84103	18.74017	38.37184	7.66E-07	0.000303	3.78E-05	2.37E-10	7.14E-10	5.64E-10	0	0	0	0	1.095E-09	1.3755E-08	3.78E-05	2.41894E-10	0	1.20737E-10	0
608	571110.6	4178679	0.55, 41786	0.85296	0.87816	0.75636	249.82687	76.90023	376.11255	32.83771	18.41049	47.06858	7.46E-07	0.000371	4.64E-05	2.3E-10	6.95E-10	5.49E-10	0	0	0	0	1.065E-09	1.6853E-08	4.64E-05	2.35383E-10	0	1.17487E-10	0
609	571150.6	4178679	0.55, 41786	0.78449	0.80428	0.7091	184.12399	71.8753	265.86204	26.94504	17.68151	37.98029	6.99E-07	0.000262	3.74E-05	2.16E-10	6.51E-10	5.15E-10	0	0	0	0	9.988E-10	1.1913E-08	3.74E-05	2.20674E-10	0	1.10145E-10	0
610	571190.6	4178679	0.55, 41786	0.70872	0.73542	0.64227	192.12547	69.23049	267.93218	27.25383	16.04767	37.1098	6.33E-07	0.000264	3.66E-05	1.95E-10	5.9E-10	4.66E-10	0	0	0	0	9.047E-10	1.2006E-08	3.66E-05	1.99876E-10	0	9.97647E-11	0
611	571230.6	4178679	0.55, 41786	0.64141	0.6715	0.58509	152.95792	62.82263	210.7281	21.78847	14.44714	29.62503	5.77E-07	0.000208	2.92E-05	1.78E-10	5.38E-10	4.25E-10	0	0	0	0	8.242E-10	9.4425E-09	2.92E-05	1.82082E-10	0	9.08829E-11	0
612	571270.6	4178679	0.55, 41786	0.5854	0.61191	0.54631	124.65244	57.66905	171.62004	20.54509	12.75642	28.60334	5.39E-07	0.000169	2.82E-05	1.66E-10	5.02E-10	3.96E-10	0	0	0	0	7.695E-10	7.6902E-09	2.82E-05	1.70012E-10	0	8.48585E-11	0
613	571310.6	4178679	0.55, 41786	0.53447	0.5582	0.50849	125.80787	55.1913	171.33448	17.97255	11.70277	24.47635	5.01E-07	0.000169	2.41E-05	1.55E-10	4.67E-10	3.69E-10	0	0	0	0	7.162E-10	7.6774E-09	2.41E-05	1.58242E-10	0	7.89835E-11	0
614	571350.6	4178679	0.55, 41786	0.48504	0.50906	0.46427	111.39997	53.56601	157.83086	13.925	11.19981	19.72886	4.58E-07	0.000156	1.95E-05	1.41E-10	4.27E-10	3.37E-10	0	0	0	0	6.54E-10	7.0723E-09	1.95E-05	1.4448E-10	0	7.21148E-11	0
615	571390.6	4178679	0.55, 41786	0.44312	0.4655	0.42576	107.51836	51.27371	117.14548	13.43979	10.40254	14.64318	4.2E-07	0.000115	1.44E-05	1.3E-10	3.91E-10	3.09E-10	0	0	0	0	5.997E-10	5.2494E-09	1.44E-05	1.32496E-10	0	6.6133E-11	0
616	571430.6	4178679	0.55, 41786	0.41031	0.42684	0.39928	122.12368	48.88835	136.65658	17.23844	9.36082	18.91196	3.94E-07	0.000135	1.86E-05	1.21E-10	3.67E-10	2.9E-10	0	0	0	0	5.624E-10	6.1236E-09	1.86E-05	1.24255E-10	0	6.20195E-11	0
617	571470.6	4178679	0.55, 41786	0.38401	0.39267	0.38101	130.83453	46.56818	169.29762	18.03085	8.50414	22.62935	3.76E-07	0.000167	2.23E-05	1.16E-10	3.5E-10	2.76E-10	0	0	0	0	5.367E-10	7.586E-09	2.23E-05	1.18568E-10	0	5.9181E-11	0
618	571510.6	4178679	0.55, 41786	0.35733	0.36026	0.36021	104.69184	43.30646	125.50481	14.57371	7.68103	16.95061	3.55E-07	0.000124	1.67E-05	1.1E-10	3.31E-10	2.61E-10	0	0	0	0	5.074E-10	5.6238E-09	1.67E-05	1.12094E-10	0	5.59498E-11	0
619	571550.6	4178679	0.55, 41786	0.32923	0.33046	0.33426	93.91251	40.06683	115.0705	13.41607	6.60436	16.43864	3.3E-07	0.000113	1.62E-05	1.02E-10	3.07E-10	2.43E-10	0	0	0	0	4.708E-10	5.1563E-09	1.62E-05	1.04018E-10	0	5.19189E-11	0
620	571590.6	4178679	0.55, 41786	0.30119	0.30402	0.3057	90.51235	37.8645	108.48539	11.49242	5.95997	13.56067	3.01E-07	0.000107	1.34E-05	9.3E-11	2.81E-10	2.22E-10	0	0	0	0	4.306E-10	4.8612E-09	1.34E-05	9.5131E-11	0	4.74829E-11	0
621	570310.6	4178719	0.55, 41787	0.10285	0.08839	0.09803	86.08959	31.99227	98.88317	10.7612	4.57032	12.3604	9.67E-08	9.75E-05	1.22E-05	2.98E-11	9.01E-11	7.11E-11	0	0	0	0	1.381E-10	4.4309E-09	1.22E-05	3.05054E-11	0	1.52262E-11	0
622	570350.6	4178719	0.55, 41787	0.11563	0.10049	0.11012	90.6137	34.18211	105.82439	11.32671	4.88316	13.22805	1.09E-07	0.000104	1.3E-05	3.35E-11	1.01E-10	7.99E-11	0	0	0	0	1.551E-10	4.7419E-09	1.3E-05	3.42677E-11	0	1.71041E-11	0
623	570390.6	4178719	0.55, 41787	0.13114	0.11521	0.12472	102.01088	38.97546	110.90458	12.75136	5.08393	13.86307	1.23E-07	0.000109	1.37E-05	3.79E-11	1.15E-10	9.05E-11	0	0	0	0	1.757E-10	4.9696E-09	1.37E-05	3.88111E-11	0	1.93719E-11	0
624	570430.6	4178719	0.55, 41787	0.15	0.13322	0.1425	114.28488	46.41789	135.81295	14.28561	5.80224	16.97662	1.4E-07	0.000134	1.67E-05	4.34E-11	1.31E-10	1.03E-10	0	0	0	0	2.007E-10	6.0857E-09	1.67E-05	4.43441E-11	0	2.21336E-11	0
625	570470.6	4178719	0.55, 41787	0.17288	0.1553	0.16447	122.16306	52.59309	158.80652	15.27038	6.67803	19.85082	1.62E-07	0.000157	1.96E-05	5E-11	1.51E-10	1.19E-10	0	0	0	0	2.317E-10	7.116E-09	1.96E-05	5.1181E-11	0	2.55461E-11	0
626	570510.6	4178719	0.55, 41787	0.1999	0.18201	0.19124	126.87173	56.8638	170.00598	15.85897	8.56143	21.25075	1.89E-07	0.000168	2.1E-05	5.82E-11	1.76E-10	1.39E-10	0	0	0	0	2.694E-10	7.6179E-09	2.1E-05	5.95116E-11	0	2.97041E-11	0
627	570550.6	4178719	0.55, 41787	0.2328	0.21534	0.22528	141.7684	62.68438	190.3461	19.27806	10.36338	23.79326	2.22E-07	0.000188	2.35E-05	6.85E-11	2.07E-10	1.63E-10	0	0	0	0	3.173E-10	8.5293E-09	2.35E-05	7.01045E-11	0	3.49914E-11	0
628	570590.6	4178719	0.55, 41787	0.2704	0.25529	0.2651	152.6333	65.86327	220.26265	21.80476	11.76563	29.62209	2.61E-07	0.000217	2.92E-05	8.07E-11	2.44E-10	1.92E-10	0	0	0	0	3.734E-10	9.8698E-09	2.92E-05	8.24961E-11	0	4.11764E-11	0
629	570630.6	4178719	0.55, 41787	0.31352	0.30328	0.30884	160.25221	70.5161	243.59554	22.89317	12.52474	34.32359	3.05E-07	0.00024	3.38E-05	9.4E-11	2.84E-10	2.24E-10	0	0	0	0	4.35E-10	1.0915E-08	3.38E-05	9.61079E-11	0	4.79705E-11	0
630	570670.6	4178719	0.55, 41787	0.36149	0.3594	0.35242	159.12882	79.23774	228.99362	22.73412	14.05012	31.24302	3.47E-07	0.000226	3.08E-05	1.07E-10	3.24E-10	2.56E-10	0	0	0	0	4.964E-10	1.0261E-08	3.08E-05	1.09671E-10	0	5.47401E-11	0
631	570710.6	4178719	0.55, 41787	0.41184	0.42167	0.39325	168.39934	82.78202	268.08178	23.84947	15.22445	37.49142	3.88E-07	0.000264	3.7E-05	1.2E-10	3.61E-10	2.85E-10	0	0	0	0	5.539E-10	1.2013E-08	3.7E-05	1.22378E-10	0	6.10829E-11	0
632	570750.6	4178719	0.55, 41787	0.46631	0.48852	0.43046	193.26616	81.97611	266.60906	24.83922	16.78199	33.32613	4.24E-07	0.000263	3.29E-05	1.31E-10	3.95E-10	3.12E-10	0	0	0	0	6.063E-10	1.1947E-08	3.29E-05	1.3396E-10	0	6.68638E-11	0
633	570790.6	4178719	0.55, 41787	0.5297	0.5627	0.45402	208.56721	92.88706	267.98327	26.09236	23.00092	33.50993	4.48E-07	0.000264	3.3E-05	1.38E-10	4.17E-10	3.29E-10	0	0	0	0	6.395E-10	1.2008E-08	3.3E-05	1.41296E-10	0	7.05254E-11	0
634	570830.6	4178719	0.55, 41787	0.58417	0.63922	0.49731	206.25232	102.59816	258.13483	28.9378	25.69667	32.26685	4.9E-07	0.000254	3.18E-05	1.51E-10	4.57E-10	3.61E-10	0	0	0	0	7.005E-10	1.1567E-08	3.18E-05	1.5477E-10	0	7.72507E-11	0
635	570870.6	4178719	0.55, 41787	0.63384	0.71183	0.60618	208.40577	136.85909	408.7133	28.70976	24.7437	51.08916	5.98E-07	0.000403	5.04E-05	1.84E-10	5.57E-10	4.4E-10	0	0	0	0	8.539E-10	1.8314E-08	5.04E-05	1.88646E-10	0	9.41594E-11	0
636	570910.6	4178719	0.55, 41787	0.68401	0.75343	0.58123	211.07044	124.31957	366.90455	30.70854	25.49482	45.86307	5.73E-07	0.000362	4.52E-05	1.77E-10	5.34E-10	4.22E-10	0	0	0	0	8.188E-10	1.6441E-08	4.52E-05	1.80888E-10	0	9.02869E-11	0
637	570950.6	4178719	0.55, 41787	0.69007	0.76497	0.57081	207.10313	108.18225	376.87466	30.79195	24.65468	47.10933	5.63E-07	0.000372	4.64E-05	1.74E-10	5.24E-10	4.14E-10	0	0	0	0	8.041E-10	1.6887E-08	4.64E-05	1.77647E-10	0	8.86693E-11	0
638	570990.6	4178719	0.55, 41787	0.68048	0.74999	0.58632	206.58356	95.47159	294.44278	32.17827	21.60129	36.80535	5.78E-07	0.00029	3.63E-05	1.78E-10	5.39E-10	4.25E-10	0	0	0	0	8.259E-10	1.3194E-08	3.63E-05	1.82471E-10	0	9.10771E-11	0
639	571030.6	4178719	0.55, 41787	0.66194	0.72353	0.59736	210.3532	86.11281	328.15995	30.372	18.42489	51.15716	5.89E-07	0.000323	5.04E-05	1.82E-10	5.49E-10	4.34E-10	0	0	0	0	8.415E-10	1.4704E-08	5.04E-05	1.85903E-10	0	9.27903E-11	0
640	571070.6	4178719	0.55, 41787	0.64029	0.68839	0.56269	181.70859	76.31707	252.84162	22.73215	15.52213	31.6052	5.55E-07	0.000249	3.12E-05	1.71E-10	5.17E-10	4.08E-10	0	0	0	0	7.926E-10	1.133E-08	3.12E-05	1.75114E-10	0	8.74052E-11	0
641	571110.6	4178719	0.55, 41787	0.60626	0.64543	0.53034	207.95149	70.27092	268.27126	26.16426	14.32632	33.53391	5.23E-07	0.000264	3.31E-05	1.61E-10	4.87E-10	3.85E-10	0	0	0	0	7.47E-10	1.2021E-08	3.31E-05	1.65047E-10	0	8.238E-11	0
642	571150.6	4178719	0.55, 41787	0.57256	0.60327	0.52806	200.64391	66.12781	289.68563	25.68735	14.52342	36.23202	5.21E-07	0.000286	3.57E-05	1.61E-10	4.85E-10	3.83E-10	0	0	0	0	7.438E-10	1.298E-08	3.57E-05	1.64334E-10	0	8.20242E-11	0
643	571190.6	4178719	0.55, 41787	0.53842	0.56251	0.50995	154.3512	63.9477	213.38711	22.19645	14.00077	30.48387	5.03E-07	0.00021	3.01E-05	1.55E-10	4.68E-10	3.7E-10	0	0	0	0	7.183E-10	9.5617E-09	3.01E-05	1.58696E-10	0	7.92104E-11	0
644	571230.6	4178719	0.55, 41787	0.49735	0.52247	0.4676	159.72675	60.41971	199.28282	22.34048	12.75874	27.30767	4.61E-07	0.000196	2.69E-05	1.42E-10	4.3E-10	3.39E-10	0	0	0	0	6.587E-10	8.9297E-09	2.69E-05	1.45517E-10	0	7.26324E-11	0
645	571270.6	4178719	0.55, 41787	0.45612	0.4836	0.42898	144.14128	55.22387	195.55309	20.17616	11.51496	26.9261	4.23E-07	0.000193	2.65E-05	1.31E-10	3.94E-10	3.11E-10	0	0	0	0	6.043E-10	8.7625E-09	2.65E-05	1.33499E-10	0	6.66337E-11	0
646	571310.6	4178719	0.55, 41787	0.42006	0.44717	0.39945	118.44349	52.26024	154.81704	17.97136	10.56882	25.80284	3.94E-07	0.000153	2.54E-05	1.22E-10	3.67E-10	2.9E-10	0	0	0	0	5.627E-10	6.9373E-09	2.54E-05	1.24309E-10	0	6.20467E-11	0
647	571350.6	4178719	0.55, 41787	0.38785	0.41385	0.37184	109.17018	50.24459	147.83356	14.07795	10.0186	18.4792	3.67E-07	0.000146	1.82E-05	1.13E-10	3.42E-10	2.7E-10	0	0	0	0	5.238E-10	6.6244E-09	1.82E-05	1.15717E-10	0	5.77579E-11	0
648	571390.6	4178719	0.55, 41787	0.35875	0.38356	0.34391	87.70597	48.80309	113.13015	10.96325	9.64341	14.14127	3.39E-07	0.000112	1.39E-05	1.05E-10	3.16E-10	2.5E-10	0	0	0	0	4.844E-10	5.0694E-09	1.39E-05	1.07025E-10	0	5.34196E-11	0
649	571430.6	4178719	0.55, 41787	0.33385	0.35563	0.32061	80.9107	47.09106	69.47289	11.59229	8.99084	10.76512	3.16E-07	6.85E-05	1.06E-05	9.75E-11	2.95E-10	2.33E-10	0	0	0	0	4.516E-10	3.1133E-09	1.06E-05	9.97738E-11	0	4.98003E-11	0
650	571470.6	4178719	0.55, 41787	0.31507	0.33052	0.30587	111.40642	45.19171	126.48359	15.57659	8.16367	17.53078	3.02E-07	0.000125	1.73E-05	9.31E-11	2.81E-10	2.22E-10	0	0	0	0	4.308E-10	5.6677E-09	1.73E-05	9.5186E-11	0	4.75104E-11	0
651	571510.6	4178719	0.55, 41787	0.29891	0.30701	0.29518	116.70467	43.07153	146.87884	15.95519	7.46065	19.6972	2.91E-07	0.000145	1.94E-05	8.98E-11	2.71E-10	2.14E-10	0	0	0	0	4.158E-10	6.5815E-09	1.94E-05	9.18584E-11	0	4.58494E-11	0
652	571550.6	4178719	0.55, 41787	0.28299	0.28542	0.28355	93.20798	40.2806	109.70993	12.81909	6.80365	14.78577	2.8E-07	0.000108	1.46E-05	8.63E-11	2.6E-10	2.06E-10	0	0	0	0	3.994E-10	4.9161E-09	1.46E-05	8.82384E-11	0	4.40426E-11	0
653	571590.6	4178719	0.55, 41787	0.2649	0.26495	0.26753	84.18961	37.57199	100.50298	12.02709	5.93847	14.35757	2.64E-07	9.91E-05	1.42E-05	8.14E-11	2.46E-10	1.94E-10	0	0	0	0	3.768E-10	4.5035E-09	1.42E-05	8.32528E-11	0	4.15541E-11	0
654	570310.6	4178759	0.55, 41787	0.10291	0.08971	0.0989	86.89901	32.22927	93.76167	10.86238	4.40505	11.72021	9.75E-08	9.24E-05	1.16E-05	3.01E-11	9.09E-11	7.18E-11	0	0	0	0	1.393E-10	4.2014E-09	1.16E-05	3.07761E-11	0	1.53614E-11	0
655	570350.6	4178759	0.55, 41787	0.11544	0.10167	0.11074	97.89636	38.6449	111.66772	12.23704	4.83061	13.95846	1.09E-07	0.00011	1.38E-05	3.37E-11	1.02E-10	8.04E-11	0	0	0	0	1.56E-10	5.0038E-09	1.38E-05	3.44607E-11	0	1.72004E-11	0
656	570390.6	4178759	0.55, 41787	0.13027	0.11595	0.12485	105.67733	44.34348	129.76492	13.20967	5.54293	16.22061	1.23E-07	0.000128	1.6E-05	3.8E-11	1.15E-10	9.06E-11	0	0	0	0	1.759E-10	5.8147E-09	1.6E-05	3.88516E-11	0	1.93921E-11	0
657	570430.6	4178759	0.55, 41787	0.14773	0.133	0.14184	109.21499	48.49986	141.11126	13.65187	6.24447	17.63891	1.4E-07	0.000139	1.74E-05	4.32E-11	1.3E-10	1.03E-10	0	0	0	0	1.998E-10	6.3232E-09	1.74E-05	4.41387E-11	0	2.20311E-11	0
658	570470.6	4178759	0.55, 41787	0.16767	0.15301	0.16202	117.79795	52.53636	140.35154	14.72474	7.71399	17.54394	1.6E-07	0.000138	1.73E-05	4.93E-11	1.49E-10	1.18E-10	0	0	0	0	2.282E-10	6.2892E-09	1.73E-05	5.04186E-11	0	2.51655E-11	0
659	570510.6	4178759	0.55, 41787	0.191	0.17712	0.1864	128.29828	56.17436	171.94141	17.6792	9.03197	21.49268	1.84E-07	0.00017	2.12E-05	5.67E-11	1.71E-10	1.35E-10	0	0	0	0	2.625E-10	7.7046E-09	2.12E-05	5.80054E-11	0	2.89523E-11	0
660	570550.6	4178759	0.55, 41787	0.21672	0.20498	0.21341	137.63049	58.52483	184.29573	19.6615	9.95092	26.17497	2.1E-07	0.000182	2.58E-05	6.49E-11	1.96E-10	1.55E-10	0	0	0	0	3.006E-10	8.2582E-09	2.58E-05	6.64107E-11	0	3.31477E-11	0
661	570590.6	4178759	0.55, 41787	0.24504	0.23724	0.24166	142.23889	62.68425	205.21483	20.31984	10.25836	28.57469	2.38E-07	0.000202	2.82E-05	7.35E-11	2.22E-10	1.75E-10	0	0	0	0	3.404E-10	9.1955E-09	2.82E-05	7.52022E-11	0	3.75358E-11	0
662	570630.6	4178759	0.55, 41787	0.27554	0.27375	0.26892	139.19636	70.02218	188.40794	19.61007	11.07526	25.7042	2.65E-07	0.000186	2.53E-05	8.18E-11	2.47E-10	1.95E-10	0	0	0	0	3.788E-10	8.4426E-09	2.53E-05	8.3686E-11	0	4.17703E-11	0
663	570670.6	4178759	0.55, 41787	0.30614	0.31293	0.29402	149.31547	72.47289	221.2081	21.10931	12.07881	31.37185	2.9E-07	0.000218	3.09E-05	8.95E-11	2.7E-10	2.13E-10	0	0	0	0	4.141E-10	9.9122E-09	3.09E-05	9.1498E-11	0	4.56696E-11	0
664	570710.6	4178759	0.55, 41787	0.33494	0.35231	0.31792	164.794	71.08708	213.69891	21.55176	13.08376	26.71236	3.13E-07	0.000211	2.63E-05	9.67E-11	2.92E-10	2.31E-10	0	0	0	0	4.478E-10	9.5758E-09	2.63E-05	9.89367E-11	0	4.93825E-11	0
665	570750.6	4178759	0.55, 41787	0.36674	0.3924	0.33661	179.38877	78.60477	216.64393	22.4236	16.36841	27.08049	3.32E-07	0.000214	2.67E-05	1.02E-10	3.09E-10	2.44E-10	0	0	0	0	4.741E-10	9.7078E-09	2.67E-05	1.04755E-10	0	5.22864E-11	0
666	570790.6	4178759	0.55, 41787	0.40357	0.43625	0.34677	166.36606	82.34558	242.62848	21.7564	19.87746	30.35713	3.42E-07	0.000239	2.99E-05	1.06E-10	3.19E-10	2.52E-10	0	0	0	0	4.885E-10	1.0872E-08	2.99E-05	1.07919E-10	0	5.38659E-11	0
667	570830.6	4178759	0.55, 41787	0.43354	0.48203	0.39259	188.6599	98.62945	246.30784	24.95504	19.43466	30.78848	3.87E-07	0.000243	3.04E-05	1.19E-10	3.61E-10	2.85E-10	0	0	0	0	5.53E-10	1.1037E-08	3.04E-05	1.22178E-10	0	6.09828E-11	0
668	570870.6	4178759	0.55, 41787	0.46387	0.52331	0.45582	172.12292	120.25167	329.63715	21.51536	18.67269	41.20464	4.49E-07	0.000325	4.06E-05	1.39E-10	4.19E-10	3.31E-10	0	0	0	0	6.421E-10	1.4771E-08	4.06E-05	1.41852E-10	0	7.08031E-11	0
669	570910.6	4178759	0.55, 41787	0.49085	0.54778	0.42691	176.15826	108.72169	296.15879	23.43896	19.655	37.01985	4.21E-07	0.000292	3.65E-05	1.3E-10	3.92E-10	3.1E-10	0	0	0	0	6.014E-10	1.3271E-08	3.65E-05	1.3286E-10	0	6.63149E-11	0
670	570950.6	4178759	0.55, 41787	0.48762	0.55475	0.41816	180.46301	97.04885	324.78811	24.36206	20.46933	40.59851	4.12E-07	0.00032	4E-05	1.27E-10	3.84E-10	3.03E-10	0	0	0	0	5.89E-10	1.4553E-08	4E-05	1.30139E-10	0	6.49564E-11	0
671	570990.6	4178759	0.55, 41787	0.49051	0.55159	0.43765	151.23194	87.28492	222.11928	25.20532	17.38113	28.62893	4.32E-07	0.000219	2.82E-05	1.33E-10	4.02E-10	3.18E-10	0	0	0	0	6.165E-10	9.9532E-09	2.82E-05	1.36202E-10	0	6.79828E-11	0
672	571030.6	4178759	0.55, 41787	0.48428	0.53663	0.45626	187.58168	78.86438	272.43541	28.06386	15.68835	45.4059	4.5E-07	0.000269	4.48E-05	1.39E-10	4.19E-10	3.31E-10	0	0	0	0	6.427E-10	1.2208E-08	4.48E-05	1.41991E-10	0	7.0872E-11	0
673	571070.6	4178759	0.55, 41787	0.467	0.51625	0.43604	163.79974	72.83551	258.94072	22.54296	13.46245	32.36759	4.3E-07	0.000255	3.19E-05	1.33E-10	4.01E-10	3.16E-10	0	0	0	0	6.142E-10	1.1603E-08	3.19E-05	1.35698E-10	0	6.77313E-11	0
674	571110.6	4178759	0.55, 41787	0.44755	0.4933	0.39624	157.0432	65.36033	149.25903	19.63651	11.35189	22.10234	3.91E-07	0.000147	2.18E-05	1.21E-10	3.64E-10	2.88E-10	0	0	0	0	5.582E-10	6.6885E-09	2.18E-05	1.23314E-10	0	6.15501E-11	0
675	571150.6	4178759	0.55, 41787	0.4302	0.46818	0.38775	183.98767	62.14189	232.46693	23.05685	11.54043	29.05837	3.82E-07	0.000229	2.86E-05	1.18E-10	3.56E-10	2.81E-10	0	0	0	0	5.462E-10	1.0417E-08	2.86E-05	1.20671E-10	0	6.02307E-11	0
676	571190.6	4178759	0.55, 41787	0.41561	0.44245	0.39452	166.33485	59.4631	232.20811	21.02615	11.70076	29.03347	3.89E-07	0.000229	2.86E-05	1.2E-10	3.62E-10	2.86E-10	0	0	0	0	5.557E-10	1.0405E-08	2.86E-05	1.22775E-10	0	6.12809E-11	0
677	571230.6	4178759	0.55, 41787	0.39577	0.41616	0.38297	133.04594	57.55284	174.38403	19.00656	11.25795	24.912	3.78E-07	0.000172	2.46E-05	1.17E-10	3.52E-10	2.78E-10	0	0	0	0	5.394E-10	7.8141E-09	2.46E-05	1.1918E-10	0	5.94863E-11	0
678	571270.6	4178759	0.55, 41787	0.36933	0.38979	0.3568	133.93343	52.76944	163.09994	18.49966	10.32502	20.38749	3.52E-07	0.000161	2.01E-05	1.09E-10	3.28E-10	2.59E-10	0	0	0	0	5.026E-10	7.3084E-09	2.01E-05	1.11036E-10	0	5.54214E-11	0
679	571310.6	4178759	0.55, 41787	0.3411	0.36413	0.32902	131.1619	50.25063	168.23883	18.11843	9.56125	22.87944	3.24E-07	0.000166	2.26E-05	1E-10	3.02E-10	2.39E-10	0	0	0	0	4.635E-10	7.5386E-09	2.26E-05	1.02391E-10	0	5.11066E-11	0
680	571350.6	4178759	0.55, 41787	0.31543	0.34037	0.30452	103.20737	47.94128	136.71003	14.62528	9.08266	18.8743	3E-07	0.000135	1.86E-05	9.27E-11	2.8E-10	2.21E-10	0	0	0	0	4.289E-10	6.1259E-09	1.86E-05	9.47668E-11	0	4.73011E-11	0
681	571390.6	4178759	0.55, 41787	0.29206	0.31801	0.28181	95.20975	46.26011	128.00267	11.90122	8.7596	16.00033	2.78E-07	0.000126	1.58E-05	8.57E-11	2.59E-10	2.05E-10	0	0	0	0	3.97E-10	5.7358E-09	1.58E-05	8.76997E-11	0	4.37737E-11	0
682	571430.6	4178759	0.55, 41787	0.27184	0.29676	0.26169	65.82255	44.97926	77.28464	8.48847	8.42183	11.06277	2.58E-07	7.62E-05	1.09E-05	7.96E-11	2.4E-10	1.9E-10	0	0	0	0	3.686E-10	3.4633E-09	1.09E-05	8.14384E-11	0	4.06485E-11	0
683	571470.6	4178759	0.55, 41787	0.25781	0.27877	0.24855	74.19853	43.62462	66.74746	10.92817	7.8818	10.16339	2.45E-07	6.58E-05	1E-05	7.56E-11	2.28E-10	1.8E-10	0	0	0	0	3.501E-10	2.9912E-09	1E-05	7.7349E-11	0	3.86073E-11	0
684	571510.6	4178759	0.55, 41787	0.24715	0.26193	0.24035	102.14842	42.0514	116.58455	14.2101	7.23025	16.16505	2.37E-07	0.000115	1.59E-05	7.31E-11	2.21E-10	1.74E-10	0	0	0	0	3.386E-10	5.2242E-09	1.59E-05	7.47965E-11	0	3.73333E-11	0
685	571550.6	4178759	0.55, 41787	0.23772	0.24585	0.23427	104.82233	40.15762	128.89855	14.31586	6.66643	17.41071	2.31E-07	0.000127	1.72E-05	7.13E-11	2.15E-10	1.7E-10	0	0	0	0	3.3E-10	5.7759E-09	1.72E-05	7.29037E-11	0	3.63886E-11	0
686	571590.6	4178759	0.55, 41787	0.22808	0.23097	0.22747	83.60184	37.747	96.99907	11.46846	6.12919	13.15855	2.24E-07	9.56E-05	1.3E-05	6.92E-11	2.09E-10	1.65E-10	0	0	0	0	3.204E-10	4.3466E-09	1.3E-05	7.07869E-11	0	3.5332E-11	0
687	570310.6	4178799	0.55, 41787	0.10253	0.09048	0.09887	92.22772	37.68456	108.42661	11.52846	4.71057	13.55333	9.75E-08	0.000107	1.34E-05	3.01E-11	9.08E-11	7.17E-11	0	0	0	0	1.393E-10	4.8586E-09	1.34E-05	3.07669E-11	0	1.53567E-11	0
688	570350.6	4178799	0.55, 41787	0.11434	0.10195	0.11024	96.42289	41.82094	119.06345	12.05286	5.22762	14.88293	1.09E-07	0.000117	1.47E-05	3.35E-11	1.01E-10	8E-11	0	0	0	0	1.553E-10	5.3352E-09	1.47E-05	3.43051E-11	0	1.71228E-11	0
689	570390.6	4178799	0.55, 41787	0.12785	0.11532	0.12365	96.70849	44.28794	121.57528	12.08856	5.83168	15.19691	1.22E-07	0.00012	1.5E-05	3.76E-11	1.14E-10	8.97E-11	0	0	0	0	1.742E-10	5.4478E-09	1.5E-05	3.84782E-11	0	1.92057E-11	0
690	570430.6	4178799	0.55, 41787	0.14288	0.13064	0.13911	109.4746	48.39009	132.26529	13.83026	6.97525	16.53316	1.37E-07	0.00013	1.63E-05	4.23E-11	1.28E-10	1.01E-10	0	0	0	0	1.959E-10	5.9268E-09	1.63E-05	4.32892E-11	0	2.1607E-11	0
691	570470.6	4178799	0.55, 41787	0.15993	0.14857	0.15692	116.3647	50.80214	153.38363	16.31235	7.92735	19.17295	1.55E-07	0.000151	1.89E-05	4.77E-11	1.44E-10	1.14E-10	0	0	0	0	2.21E-10	6.873E-09	1.89E-05	4.88315E-11	0	2.43734E-11	0
692	570510.6	4178799	0.55, 41787	0.17816	0.16871	0.17591	124.77861	52.11481	162.22151	17.82552	8.49382	23.1745	1.73E-07	0.00016	2.28E-05	5.35E-11	1.62E-10	1.28E-10	0	0	0	0	2.478E-10	7.2691E-09	2.28E-05	5.47411E-11	0	2.7323E-11	0
693	570550.6	4178799	0.55, 41787	0.19752	0.19131	0.19507	126.89522	56.18657	175.78093	18.12789	8.51005	24.21863	1.92E-07	0.000173	2.39E-05	5.94E-11	1.79E-10	1.42E-10	0	0	0	0	2.748E-10	7.8766E-09	2.39E-05	6.07038E-11	0	3.02992E-11	0
694	570590.6	4178799	0.55, 41787	0.21773	0.21627	0.21308	122.68072	62.5324	158.46837	17.14296	9.80776	21.67538	2.1E-07	0.000156	2.14E-05	6.48E-11	1.96E-10	1.55E-10	0	0	0	0	3.001E-10	7.101E-09	2.14E-05	6.63089E-11	0	3.30969E-11	0
695	570630.6	4178799	0.55, 41787	0.23771	0.24268	0.22932	133.9153	64.36556	188.20796	18.95021	10.72759	26.70167	2.26E-07	0.000186	2.63E-05	6.98E-11	2.11E-10	1.66E-10	0	0	0	0	3.23E-10	8.4335E-09	2.63E-05	7.13635E-11	0	3.56198E-11	0
696	570670.6	4178799	0.55, 41787	0.25595	0.26895	0.24514	141.94782	63.09907	182.20008	19.13844	10.57117	23.96944	2.42E-07	0.00018	2.36E-05	7.46E-11	2.25E-10	1.78E-10	0	0	0	0	3.453E-10	8.1643E-09	2.36E-05	7.62873E-11	0	3.80774E-11	0
697	570710.6	4178799	0.55, 41787	0.27273	0.29382	0.2595	157.12572	66.69563	192.86918	19.64072	11.93189	24.10865	2.56E-07	0.00019	2.38E-05	7.9E-11	2.38E-10	1.88E-10	0	0	0	0	3.655E-10	8.6424E-09	2.38E-05	8.07569E-11	0	4.03083E-11	0
698	570750.6	4178799	0.55, 41787	0.29355	0.31916	0.26739	152.65771	72.44297	180.42039	19.08221	15.18472	22.55534	2.64E-07	0.000178	2.22E-05	8.14E-11	2.46E-10	1.94E-10	0	0	0	0	3.766E-10	8.0847E-09	2.22E-05	8.32136E-11	0	4.15346E-11	0
699	570790.6	4178799	0.55, 41787	0.31688	0.34759	0.27611	157.73005	72.26845	195.86787	20.13646	16.34526	24.48348	2.72E-07	0.000193	2.41E-05	8.4E-11	2.54E-10	2E-10	0	0	0	0	3.889E-10	8.7768E-09	2.41E-05	8.59288E-11	0	4.28898E-11	0
700	570830.6	4178799	0.55, 41787	0.33524	0.37796	0.31984	162.23746	94.66133	234.71664	21.09567	14.73083	29.33958	3.15E-07	0.000231	2.89E-05	9.73E-11	2.94E-10	2.32E-10	0	0	0	0	4.505E-10	1.0518E-08	2.89E-05	9.9536E-11	0	4.96816E-11	0
701	570870.6	4178799	0.55, 41787	0.35595	0.40358	0.35265	158.80625	107.46352	263.60655	19.85078	16.70272	32.95082	3.48E-07	0.00026	3.25E-05	1.07E-10	3.24E-10	2.56E-10	0	0	0	0	4.967E-10	1.1812E-08	3.25E-05	1.09746E-10	0	5.47775E-11	0
702	570910.6	4178799	0.55, 41787	0.3676	0.41723	0.32417	150.41188	96.98395	247.06251	18.80149	15.72408	30.88281	3.2E-07	0.000244	3.04E-05	9.86E-11	2.98E-10	2.35E-10	0	0	0	0	4.566E-10	1.1071E-08	3.04E-05	1.00886E-10	0	5.03556E-11	0
703	570950.6	4178799	0.55, 41787	0.34637	0.40141	0.30552	159.46188	87.41269	275.63404	19.93273	16.48069	34.45425	3.01E-07	0.000272	3.4E-05	9.3E-11	2.81E-10	2.22E-10	0	0	0	0	4.304E-10	1.2351E-08	3.4E-05	9.50828E-11	0	4.74589E-11	0
704	570990.6	4178799	0.55, 41787	0.35579	0.40756	0.32647	119.48057	79.68844	146.33228	17.5796	14.60553	25.33485	3.22E-07	0.000144	2.5E-05	9.93E-11	3E-10	2.37E-10	0	0	0	0	4.599E-10	6.5574E-09	2.5E-05	1.01601E-10	0	5.07123E-11	0
705	571030.6	4178799	0.55, 41787	0.37225	0.416	0.35619	155.14917	72.93395	196.55996	24.86673	12.948	30.87431	3.51E-07	0.000194	3.04E-05	1.08E-10	3.27E-10	2.58E-10	0	0	0	0	5.017E-10	8.8079E-09	3.04E-05	1.10848E-10	0	5.53277E-11	0
706	571070.6	4178799	0.55, 41787	0.3594	0.40135	0.34666	158.59146	67.81733	220.83512	22.65592	11.74555	33.70367	3.42E-07	0.000218	3.32E-05	1.05E-10	3.18E-10	2.52E-10	0	0	0	0	4.883E-10	9.8954E-09	3.32E-05	1.07882E-10	0	5.38473E-11	0
707	571110.6	4178799	0.55, 41787	0.34191	0.38638	0.31575	133.9595	62.41991	198.12185	16.74494	10.40332	24.76523	3.11E-07	0.000195	2.44E-05	9.61E-11	2.9E-10	2.29E-10	0	0	0	0	4.448E-10	8.8777E-09	2.44E-05	9.82643E-11	0	4.90468E-11	0
708	571150.6	4178799	0.55, 41787	0.32926	0.37153	0.29721	140.52662	58.47073	122.49716	17.56829	9.74512	16.40698	2.93E-07	0.000121	1.62E-05	9.04E-11	2.73E-10	2.16E-10	0	0	0	0	4.187E-10	5.4893E-09	1.62E-05	9.24951E-11	0	4.61673E-11	0
709	571190.6	4178799	0.55, 41787	0.32393	0.35615	0.30055	162.80337	55.99612	201.90064	20.37225	9.46414	25.23758	2.96E-07	0.000199	2.49E-05	9.14E-11	2.76E-10	2.18E-10	0	0	0	0	4.234E-10	9.047E-09	2.49E-05	9.3533E-11	0	4.66853E-11	0
710	571230.6	4178799	0.55, 41787	0.31732	0.33876	0.30501	141.0743	54.42569	191.70239	17.72831	9.52966	23.96639	3.01E-07	0.000189	2.36E-05	9.28E-11	2.8E-10	2.21E-10	0	0	0	0	4.296E-10	8.59E-09	2.36E-05	9.49191E-11	0	4.73772E-11	0
711	571270.6	4178799	0.55, 41787	0.30415	0.32027	0.29829	116.54381	51.24633	144.90939	16.64912	9.13765	20.70134	2.94E-07	0.000143	2.04E-05	9.08E-11	2.74E-10	2.16E-10	0	0	0	0	4.202E-10	6.4934E-09	2.04E-05	9.2827E-11	0	4.63329E-11	0
712	571310.6	4178799	0.55, 41787	0.28608	0.30211	0.28212	111.77517	48.08718	136.31939	15.28029	8.60329	17.73191	2.78E-07	0.000134	1.75E-05	8.58E-11	2.59E-10	2.05E-10	0	0	0	0	3.974E-10	6.1085E-09	1.75E-05	8.77948E-11	0	4.38212E-11	0
713	571350.6	4178799	0.55, 41787	0.26522	0.28423	0.2608	116.94553	46.1941	139.01017	15.97517	8.23917	19.97796	2.57E-07	0.000137	1.97E-05	7.94E-11	2.4E-10	1.89E-10	0	0	0	0	3.674E-10	6.229E-09	1.97E-05	8.11605E-11	0	4.05098E-11	0
714	571390.6	4178799	0.55, 41787	0.24309	0.26586	0.23735	101.64822	44.37475	130.479	13.96186	7.97488	17.70328	2.34E-07	0.000129	1.75E-05	7.22E-11	2.18E-10	1.72E-10	0	0	0	0	3.343E-10	5.8467E-09	1.75E-05	7.38635E-11	0	3.68676E-11	0
715	571430.6	4178799	0.55, 41787	0.22645	0.25105	0.21957	78.66707	42.96369	101.00422	10.22882	7.75525	13.14754	2.16E-07	9.96E-05	1.3E-05	6.68E-11	2.02E-10	1.59E-10	0	0	0	0	3.093E-10	4.5261E-09	1.3E-05	6.83307E-11	0	3.4106E-11	0
716	571470.6	4178799	0.55, 41787	0.21325	0.23694	0.20607	47.64153	41.84289	57.10773	7.70461	7.45296	10.06314	2.03E-07	5.63E-05	9.92E-06	6.27E-11	1.89E-10	1.5E-10	0	0	0	0	2.903E-10	2.5592E-09	9.92E-06	6.41296E-11	0	3.20091E-11	0
717	571510.6	4178799	0.55, 41787	0.20623	0.22585	0.19985	71.44774	40.73398	67.79843	10.29216	7.00806	9.90291	1.97E-07	6.68E-05	9.76E-06	6.08E-11	1.84E-10	1.45E-10	0	0	0	0	2.815E-10	3.0382E-09	9.76E-06	6.21936E-11	0	3.10428E-11	0
718	571550.6	4178799	0.55, 41787	0.19818	0.21228	0.19356	94.10249	39.35835	107.36049	13.01678	6.4744	14.79864	1.91E-07	0.000106	1.46E-05	5.89E-11	1.78E-10	1.4E-10	0	0	0	0	2.726E-10	4.8108E-09	1.46E-05	6.02356E-11	0	3.00655E-11	0
719	571590.6	4178799	0.55, 41787	0.19254	0.20073	0.18997	94.76849	37.66806	114.23818	12.95063	6.01952	15.50303	1.87E-07	0.000113	1.53E-05	5.78E-11	1.75E-10	1.38E-10	0	0	0	0	2.676E-10	5.119E-09	1.53E-05	5.91178E-11	0	2.95076E-11	0
720	570310.6	4178839	0.55, 41788	0.10118	0.0904	0.098	86.93136	38.98232	105.93151	10.86642	4.87279	13.24144	9.66E-08	0.000104	1.31E-05	2.98E-11	9E-11	7.11E-11	0	0	0	0	1.38E-10	4.7468E-09	1.31E-05	3.04962E-11	0	1.52216E-11	0
721	570350.6	4178839	0.55, 41788	0.1118	0.10104	0.10874	92.10266	41.60712	103.12867	11.51283	5.43734	12.89108	1.07E-07	0.000102	1.27E-05	3.31E-11	9.99E-11	7.89E-11	0	0	0	0	1.532E-10	4.6212E-09	1.27E-05	3.38384E-11	0	1.68898E-11	0
722	570390.6	4178839	0.55, 41788	0.12335	0.11299	0.12071	101.58992	44.39945	123.8041	13.097	6.32134	15.47551	1.19E-07	0.000122	1.53E-05	3.67E-11	1.11E-10	8.76E-11	0	0	0	0	1.7E-10	5.5477E-09	1.53E-05	3.75633E-11	0	1.87491E-11	0
723	570430.6	4178839	0.55, 41788	0.13612	0.12663	0.1341	105.75261	46.22171	135.82058	15.10752	6.99394	17.72822	1.32E-07	0.000134	1.75E-05	4.08E-11	1.23E-10	9.73E-11	0	0	0	0	1.889E-10	6.0861E-09	1.75E-05	4.17302E-11	0	2.08289E-11	0
724	570470.6	4178839	0.55, 41788	0.14941	0.1416	0.14777	113.55911	47.52324	144.14907	16.22273	7.30549	20.59272	1.46E-07	0.000142	2.03E-05	4.5E-11	1.36E-10	1.07E-10	0	0	0	0	2.081E-10	6.4593E-09	2.03E-05	4.59843E-11	0	2.29522E-11	0
725	570510.6	4178839	0.55, 41788	0.16314	0.158	0.16129	114.44641	50.69094	152.51274	16.21485	7.16417	20.85712	1.59E-07	0.00015	2.06E-05	4.91E-11	1.48E-10	1.17E-10	0	0	0	0	2.272E-10	6.834E-09	2.06E-05	5.01918E-11	0	2.50523E-11	0
726	570550.6	4178839	0.55, 41788	0.17704	0.17576	0.1737	109.2842	56.30775	135.99936	15.45924	8.75778	18.63755	1.71E-07	0.000134	1.84E-05	5.28E-11	1.6E-10	1.26E-10	0	0	0	0	2.447E-10	6.0942E-09	1.84E-05	5.40541E-11	0	2.69801E-11	0
727	570590.6	4178839	0.55, 41788	0.1907	0.19445	0.18485	121.04262	57.73789	162.59872	17.123	9.62298	23.05827	1.82E-07	0.00016	2.27E-05	5.62E-11	1.7E-10	1.34E-10	0	0	0	0	2.604E-10	7.286E-09	2.27E-05	5.75245E-11	0	2.87123E-11	0
728	570630.6	4178839	0.55, 41788	0.20316	0.21304	0.19546	125.84874	56.85617	163.76967	17.26057	9.47603	21.8341	1.93E-07	0.000161	2.15E-05	5.95E-11	1.8E-10	1.42E-10	0	0	0	0	2.753E-10	7.3385E-09	2.15E-05	6.08268E-11	0	3.03606E-11	0
729	570670.6	4178839	0.55, 41788	0.21386	0.23043	0.20601	138.80556	56.19819	167.35734	17.35069	9.51337	20.91967	2.03E-07	0.000165	2.06E-05	6.27E-11	1.89E-10	1.49E-10	0	0	0	0	2.902E-10	7.4992E-09	2.06E-05	6.41104E-11	0	3.19996E-11	0
730	570710.6	4178839	0.55, 41788	0.22462	0.24643	0.21368	139.69865	64.11019	158.44625	17.46233	11.64998	19.80578	2.11E-07	0.000156	1.95E-05	6.5E-11	1.96E-10	1.55E-10	0	0	0	0	3.01E-10	7.1001E-09	1.95E-05	6.64979E-11	0	3.31912E-11	0
731	570750.6	4178839	0.55, 41788	0.23931	0.26333	0.21642	129.30344	65.03758	176.13066	16.25667	13.35444	22.02002	2.13E-07	0.000174	2.17E-05	6.59E-11	1.99E-10	1.57E-10	0	0	0	0	3.049E-10	7.8924E-09	2.17E-05	6.73518E-11	0	3.36174E-11	0
732	570790.6	4178839	0.55, 41788	0.2546	0.28325	0.22784	148.04332	66.52984	161.44916	18.88746	13.10425	20.18115	2.25E-07	0.000159	1.99E-05	6.93E-11	2.09E-10	1.65E-10	0	0	0	0	3.209E-10	7.2346E-09	1.99E-05	7.09063E-11	0	3.53916E-11	0
733	570830.6	4178839	0.55, 41788	0.26766	0.30497	0.26524	136.3658	90.38201	203.70222	17.19519	14.05196	26.51864	2.62E-07	0.000201	2.61E-05	8.07E-11	2.44E-10	1.92E-10	0	0	0	0	3.736E-10	9.128E-09	2.61E-05	8.25434E-11	0	4.12001E-11	0
734	570870.6	4178839	0.55, 41788	0.28248	0.32215	0.27934	145.76117	97.26265	213.43334	18.22015	15.13016	26.67917	2.75E-07	0.00021	2.63E-05	8.5E-11	2.57E-10	2.03E-10	0	0	0	0	3.935E-10	9.5641E-09	2.63E-05	8.69315E-11	0	4.33903E-11	0
735	570910.6	4178839	0.55, 41788	0.28799	0.33135	0.25629	130.6935	87.1686	210.24612	16.33669	13.50967	26.28077	2.53E-07	0.000207	2.59E-05	7.8E-11	2.35E-10	1.86E-10	0	0	0	0	3.61E-10	9.4212E-09	2.59E-05	7.97612E-11	0	3.98114E-11	0
736	570950.6	4178839	0.55, 41788	0.28758	0.33724	0.25781	143.26415	81.64199	232.33178	17.90802	13.93242	29.04147	2.54E-07	0.000229	2.86E-05	7.84E-11	2.37E-10	1.87E-10	0	0	0	0	3.632E-10	1.0411E-08	2.86E-05	8.02346E-11	0	4.00476E-11	0
737	570990.6	4178839	0.55, 41788	0.28844	0.33412	0.27084	115.42228	74.82901	134.90402	15.11344	13.01217	21.06919	2.67E-07	0.000133	2.08E-05	8.24E-11	2.49E-10	1.97E-10	0	0	0	0	3.815E-10	6.0453E-09	2.08E-05	8.4288E-11	0	4.20709E-11	0
738	571030.6	4178839	0.55, 41788	0.29049	0.32848	0.28015	122.60648	67.85889	167.69329	20.43441	11.21527	20.96166	2.76E-07	0.000165	2.07E-05	8.52E-11	2.57E-10	2.03E-10	0	0	0	0	3.946E-10	7.5144E-09	2.07E-05	8.7184E-11	0	4.35163E-11	0
739	571070.6	4178839	0.55, 41788	0.28682	0.32211	0.27916	145.80556	62.69899	194.95005	22.09774	10.44682	32.49167	2.75E-07	0.000192	3.2E-05	8.49E-11	2.56E-10	2.03E-10	0	0	0	0	3.932E-10	8.7356E-09	3.2E-05	8.68755E-11	0	4.33623E-11	0
740	571110.6	4178839	0.55, 41788	0.272	0.3104	0.2597	131.09883	59.8466	180.45962	17.36249	9.97443	23.15348	2.56E-07	0.000178	2.28E-05	7.9E-11	2.39E-10	1.88E-10	0	0	0	0	3.658E-10	8.0863E-09	2.28E-05	8.08204E-11	0	4.034E-11	0
741	571150.6	4178839	0.55, 41788	0.26	0.30055	0.24148	99.99815	55.57889	134.60776	12.49977	9.26315	16.82597	2.38E-07	0.000133	1.66E-05	7.35E-11	2.22E-10	1.75E-10	0	0	0	0	3.402E-10	6.0318E-09	1.66E-05	7.51511E-11	0	3.75103E-11	0
742	571190.6	4178839	0.55, 41788	0.2552	0.29099	0.23588	127.82601	53.11626	132.48794	15.97966	8.85271	16.56099	2.33E-07	0.000131	1.63E-05	7.18E-11	2.17E-10	1.71E-10	0	0	0	0	3.323E-10	5.9369E-09	1.63E-05	7.34082E-11	0	3.66404E-11	0
743	571230.6	4178839	0.55, 41788	0.25406	0.28009	0.23929	144.46225	51.51588	176.21864	18.06666	8.58598	22.02733	2.36E-07	0.000174	2.17E-05	7.28E-11	2.2E-10	1.74E-10	0	0	0	0	3.371E-10	7.8962E-09	2.17E-05	7.44682E-11	0	3.71695E-11	0
744	571270.6	4178839	0.55, 41788	0.2507	0.26766	0.24251	121.82335	49.56018	161.92313	15.26733	8.26003	20.24326	2.39E-07	0.00016	2E-05	7.38E-11	2.23E-10	1.76E-10	0	0	0	0	3.416E-10	7.2557E-09	2E-05	7.5469E-11	0	3.7669E-11	0
745	571310.6	4178839	0.55, 41788	0.24184	0.25433	0.23951	103.21026	44.65355	122.05645	14.74432	7.58702	17.43664	2.36E-07	0.00012	1.72E-05	7.29E-11	2.2E-10	1.74E-10	0	0	0	0	3.374E-10	5.4694E-09	1.72E-05	7.45346E-11	0	3.72026E-11	0
746	571350.6	4178839	0.55, 41788	0.22797	0.24079	0.22797	99.0464	44.12829	113.73434	14.35742	7.39344	18.63488	2.25E-07	0.000112	1.84E-05	6.94E-11	2.09E-10	1.65E-10	0	0	0	0	3.211E-10	5.0965E-09	1.84E-05	7.09432E-11	0	3.541E-11	0
747	571390.6	4178839	0.55, 41788	0.21103	0.22733	0.21036	102.76287	42.76623	112.22851	13.91866	7.25999	15.15441	2.07E-07	0.000111	1.49E-05	6.4E-11	1.93E-10	1.53E-10	0	0	0	0	2.963E-10	5.029E-09	1.49E-05	6.54635E-11	0	3.26749E-11	0
748	571430.6	4178839	0.55, 41788	0.19469	0.21494	0.19186	96.70075	41.37793	118.14409	13.13698	7.12068	15.87157	1.89E-07	0.000116	1.56E-05	5.84E-11	1.76E-10	1.39E-10	0	0	0	0	2.703E-10	5.294E-09	1.56E-05	5.97069E-11	0	2.98016E-11	0
749	571470.6	4178839	0.55, 41788	0.18137	0.20392	0.17665	77.02264	40.18933	97.95965	10.5662	6.94319	13.29535	1.74E-07	9.66E-05	1.31E-05	5.37E-11	1.62E-10	1.28E-10	0	0	0	0	2.488E-10	4.3896E-09	1.31E-05	5.49741E-11	0	2.74393E-11	0
750	571510.6	4178839	0.55, 41788	0.17253	0.19446	0.16733	52.60803	39.21497	67.39367	7.34906	6.67327	9.32595	1.65E-07	6.64E-05	9.19E-06	5.09E-11	1.54E-10	1.21E-10	0	0	0	0	2.357E-10	3.0201E-09	9.19E-06	5.20738E-11	0	2.59917E-11	0
751	571550.6	4178839	0.55, 41788	0.16797	0.18619	0.16347	68.59481	38.25365	67.50423	9.65516	6.29212	9.48561	1.61E-07	6.66E-05	9.35E-06	4.97E-11	1.5E-10	1.19E-10	0	0	0	0	2.303E-10	3.025E-09	9.35E-06	5.08722E-11	0	2.53919E-11	0
752	571590.6	4178839	0.55, 41788	0.16271	0.17607	0.15959	86.9293	37.04871	99.01478	11.93163	5.86384	13.49632	1.57E-07	9.76E-05	1.33E-05	4.86E-11	1.47E-10	1.16E-10	0	0	0	0	2.248E-10	4.4369E-09	1.33E-05	4.96643E-11	0	2.4789E-11	0
753	570839.2	4178446	9.17, 41784	74.46739	6.86955	3.72049	1115.31188	246.53605	1658.95445	545.24687	92.47095	232.89196	3.67E-06	0.001635	0.00023	1.13E-09	3.42E-09	2.7E-09	0	0	0	0	5.244E-09	7.4333E-08	0.00023	1.15864E-09	0	5.78313E-10	0
754	570839.2	4178486	9.17, 41784	72.70489	8.35312	4.22209	2611.28562	240.43522	1473.87155	1286.82968	90.10385	245.64526	4.17E-06	0.001453	0.000242	1.29E-09	3.88E-09	3.07E-09	0	0	0	0	5.951E-09	6.6043E-08	0.000242	1.31479E-09	0	6.56252E-10	0
755	570879.2	4178406	9.17, 41784	9.26791	12.09581	2.86973	654.37651	281.54322	1652.24347	174.87233	99.71055	250.6883	2.83E-06	0.001629	0.000247	8.74E-10	2.64E-09	2.08E-09	0	0	0	0	4.046E-09	7.4033E-08	0.000247	8.93798E-10	0	4.46123E-10	0
756	570879.2	4178446	9.17, 41784	110.98197	13.33715	11.62742	3333.88644	260.53475	3586.87714	1717.50318	91.01179	770.8732	1.15E-05	0.003536	0.00076	3.54E-09	1.07E-08	8.44E-09	0	0	0	0	1.638E-08	1.6072E-07	0.00076	3.61934E-09	0	1.80653E-09	0
757	570879.2	4178486	9.17, 41784	18.42358	13.79846	20.70311	473.0449	246.35325	4578.74855	141.68031	100.88031	655.29094	2.04E-05	0.004513	0.000646	6.3E-09	1.9E-08	1.5E-08	0	0	0	0	2.916E-08	2.0515E-07	0.000646	6.44208E-09	0	3.21545E-09	0
758	570879.2	4178526	9.17, 41785	94.91809	17.71904	9.02777	3340.71117	271.69492	2014.80922	1490.9797	113.49448	441.47053	8.91E-06	0.001986	0.000436	2.75E-09	8.3E-09	6.55E-09	0	0	0	0	1.272E-08	9.0281E-08	0.000436	2.81077E-09	0	1.40295E-09	0
759	570879.2	4178566	9.17, 41785	6.34056	7.84517	3.48916	517.57011	248.69096	1100.96831	138.67192	92.32789	171.27972	3.44E-06	0.001085	0.000169	1.06E-09	3.21E-09	2.53E-09	0	0	0	0	4.916E-09	4.9332E-08	0.000169	1.08615E-09	0	5.42135E-10	0
760	570919.2	4178366	9.17, 41783	2.36921	8.89638	1.45024	279.82249	231.14799	970.86833	50.20448	85.64726	145.20587	1.43E-06	0.000957	0.000143	4.42E-10	1.33E-09	1.05E-09	0	0	0	0	2.045E-09	4.3503E-08	0.000143	4.51881E-10	0	2.25548E-10	0
761	570919.2	4178406	9.17, 41784	7.16288	18.51893	2.95623	387.12304	281.06153	1814.51514	102.95605	123.97591	301.78328	2.92E-06	0.001789	0.000297	9.01E-10	2.72E-09	2.15E-09	0	0	0	0	4.17E-09	8.1303E-08	0.000297	9.21183E-10	0	4.59792E-10	0
762	570919.2	4178446	9.17, 41784	30.90779	15.96768	15.85005	761.46723	266.85593	6280.62092	290.35951	97.37786	1155.63511	1.56E-05	0.006191	0.001139	4.82E-09	1.46E-08	1.15E-08	0	0	0	0	2.233E-08	2.8141E-07	0.001139	4.93254E-09	0	2.46199E-09	0
763	570919.2	4178486	9.17, 41784	29.57453	18.16179	468.02027	992.62163	281.14129	31654.24271	425.98322	121.6397	9353.86757	0.000461	0.031202	0.00922	1.42E-07	4.3E-07	3.4E-07	0	0	0	0	6.591E-07	1.4183E-06	0.00922	1.45605E-07	0	7.26763E-08	0
764	570919.2	4178526	9.17, 41785	19.47257	21.77306	15.13476	427.44744	357.8357	3633.422	126.47105	151.21701	760.0028	1.49E-05	0.003582	0.000749	4.61E-09	1.39E-08	1.1E-08	0	0	0	0	2.132E-08	1.628E-07	0.000749	4.71035E-09	0	2.35109E-09	0
765	570919.2	4178566	9.17, 41785	68.70701	17.81326	4.44491	3547.24462	326.79695	1605.72558	1121.59815	123.62419	257.53275	4.39E-06	0.001583	0.000254	1.35E-09	4.09E-09	3.23E-09	0	0	0	0	6.268E-09	7.1952E-08	0.000254	1.3848E-09	0	6.91197E-10	0
766	570959.2	4178326	9.17, 41783	2.08146	12.83514	1.34475	279.67021	252.56813	633.18912	42.32993	97.81035	79.64117	1.33E-06	0.000624	7.85E-05	4.1E-10	1.24E-09	9.78E-10	0	0	0	0	1.898E-09	2.8373E-08	7.85E-05	4.19363E-10	0	2.09317E-10	0
767	570959.2	4178366	9.17, 41783	2.97969	11.80225	1.85212	241.09871	252.07126	954.07883	42.48046	78.75938	136.29698	1.83E-06	0.000941	0.000134	5.64E-10	1.7E-09	1.35E-09	0	0	0	0	2.612E-09	4.2751E-08	0.000134	5.77137E-10	0	2.88067E-10	0
768	570959.2	4178406	9.17, 41784	5.48321	18.00699	4.34111	312.89849	292.26242	1429.75284	67.10795	111.57482	238.11199	4.28E-06	0.001409	0.000235	1.32E-09	3.99E-09	3.15E-09	0	0	0	0	6.119E-09	6.4064E-08	0.000235	1.35197E-09	0	6.74813E-10	0
769	570959.2	4178446	9.17, 41784	13.2141	15.9724	27.93872	471.07205	258.82785	2485.7483	129.31081	100.45092	486.63208	2.75E-05	0.00245	0.00048	8.5E-09	2.57E-08	2.03E-08	0	0	0	0	3.935E-08	1.1138E-07	0.00048	8.69324E-09	0	4.33907E-09	0
770	570959.2	4178486	9.17, 41784	61.20406	15.71053	62.85492	1330.20017	250.50131	2800.83581	539.4281	101.77571	895.66291	6.2E-05	0.002761	0.000883	1.91E-08	5.77E-08	4.56E-08	0	0	0	0	8.852E-08	1.255E-07	0.000883	1.95563E-08	0	9.76116E-09	0
771	570959.2	4178526	9.17, 41785	233.18259	14.04006	12.98457	3491.90215	258.73899	2789.84609	1687.05022	110.68808	397.86928	1.28E-05	0.00275	0.000393	3.95E-09	1.19E-08	9.43E-09	0	0	0	0	1.83E-08	1.2501E-07	0.000393	4.04267E-09	0	2.01782E-09	0
772	570999.2	4178286	9.17, 41782	4.82709	7.01905	1.81527	541.05323	230.67805	782.52024	117.6944	82.70868	130.42004	1.79E-06	0.000771	0.000129	5.53E-10	1.67E-09	1.32E-09	0	0	0	0	2.559E-09	3.5064E-08	0.000129	5.65321E-10	0	2.8217E-10	0

773	570999.2	4178326	9.17, 41783	3.49216	17.23511	2.06149	334.8047	281.26172	702.77079	73.88295	121.01705	110.07877	2.04E-06	0.000693	0.000109	6.28E-10	1.9E-09	1.5E-09	0	0	0	0	2.909E-09	3.1491E-08	0.000109	6.42694E-10	0	3.20789E-10	0
774	570999.2	4178366	9.17, 41783	3.49499	15.86199	2.88936	258.09779	262.50756	719.40934	51.99585	99.38677	89.92617	2.85E-06	0.000709	8.87E-05	8.8E-10	2.66E-09	2.1E-09	0	0	0	0	4.074E-09	3.2236E-08	8.87E-05	9.00144E-10	0	4.49291E-10	0
775	570999.2	4178406	9.17, 41784	4.67229	14.08019	6.50261	269.25985	258.20089	888.73579	48.54927	90.52886	138.83889	6.41E-06	0.000876	0.000137	1.98E-09	5.98E-09	4.72E-09	0	0	0	0	9.162E-09	3.9823E-08	0.000137	2.02412E-09	0	1.0103E-09	0
776	570999.2	4178446	9.17, 41784	8.21208	17.59623	13.45709	365.10896	254.50285	1091.31402	80.87758	113.65243	185.77432	1.33E-05	0.001076	0.000183	4.09E-09	1.24E-08	9.77E-09	0	0	0	0	1.896E-08	4.89E-08	0.000183	4.188E-09	0	2.09036E-09	0
777	570999.2	4178486	9.17, 41784	18.06608	14.21786	20.31738	585.19163	263.25351	1140.06137	156.20535	101.07997	297.24229	2E-05	0.001124	0.000293	6.18E-09	1.87E-08	1.47E-08	0	0	0	0	2.862E-08	5.1084E-08	0.000293	6.3221E-09	0	3.15556E-09	0
778	571039.2	4178246	9.17, 41782	16.91212	6.90765	2.82369	857.31055	271.11205	1316.76682	274.95229	93.64332	189.48612	2.79E-06	0.001298	0.000187	8.6E-10	2.6E-09	2.05E-09	0	0	0	0	3.979E-09	5.9002E-08	0.000187	8.79143E-10	0	4.38808E-10	0
779	571039.2	4178286	9.17, 41782	28.85834	15.10006	3.68614	1240.055	260.3069	1323.38037	549.80999	92.85324	215.01085	3.64E-06	0.001305	0.000212	1.12E-09	3.39E-09	2.68E-09	0	0	0	0	5.197E-09	5.9298E-08	0.000212	1.14819E-09	0	5.73097E-10	0
780	571039.2	4178326	9.17, 41783	6.67676	17.1171	4.10991	443.85334	276.43557	1246.54946	131.23026	111.87763	155.81868	4.06E-06	0.001229	0.000154	1.25E-09	3.78E-09	2.98E-09	0	0	0	0	5.794E-09	5.5855E-08	0.000154	1.27999E-09	0	6.38883E-10	0
781	571039.2	4178366	9.17, 41783	4.40971	16.57374	4.87433	310.01939	259.88486	992.68074	73.97776	106.04392	160.75052	4.81E-06	0.000979	0.000158	1.48E-09	4.48E-09	3.54E-09	0	0	0	0	6.87E-09	4.448E-08	0.000158	1.51774E-09	0	7.57554E-10	0
782	571039.2	4178406	9.17, 41784	4.40492	15.47088	6.2465	249.62047	251.60574	625.26496	54.55389	95.67705	86.62547	6.16E-06	0.000616	8.54E-05	1.9E-09	5.74E-09	4.53E-09	0	0	0	0	8.802E-09	2.8018E-08	8.54E-05	1.94455E-09	0	9.70586E-10	0
783	571039.2	4178446	9.17, 41784	6.02235	17.33371	7.45895	271.18693	258.43077	565.95619	53.34538	113.33058	91.15286	7.36E-06	0.000558	8.99E-05	2.27E-09	6.85E-09	5.41E-09	0	0	0	0	1.051E-08	2.5361E-08	8.99E-05	2.32191E-09	0	1.15894E-09	0
784	571079.2	4178246	9.17, 41782	26.90238	12.76385	4.78342	686.22219	257.40547	1959.72628	294.80616	92.56412	417.67679	4.72E-06	0.001932	0.000412	1.46E-09	4.4E-09	3.47E-09	0	0	0	0	6.741E-09	8.7809E-08	0.000412	1.48936E-09	0	7.43388E-10	0
785	571079.2	4178286	9.17, 41782	49.90964	15.92317	13.80121	957.6563	283.49226	4117.74908	414.11972	108.09945	689.22522	1.36E-05	0.004059	0.000679	4.2E-09	1.27E-08	1E-08	0	0	0	0	1.944E-08	1.845E-07	0.000679	4.29529E-09	0	2.14392E-09	0
786	571079.2	4178326	9.17, 41783	16.67986	14.36437	14.4793	793.60016	243.70787	3077.685	313.14105	91.11491	664.711	1.43E-05	0.003034	0.000655	4.41E-09	1.33E-08	1.05E-08	0	0	0	0	2.039E-08	1.379E-07	0.000655	4.50584E-09	0	2.24901E-09	0
787	571079.2	4178366	9.17, 41783	6.18218	17.09307	7.0902	419.38901	255.0076	1488.27193	110.95083	108.56867	287.95219	6.99E-06	0.001467	0.000284	2.16E-09	6.52E-09	5.15E-09	0	0	0	0	9.99E-09	6.6685E-08	0.000284	2.20717E-09	0	1.10167E-09	0
788	571079.2	4178406	9.17, 41784	4.42977	14.91	5.35349	310.20505	209.99469	815.89349	72.09993	91.11305	117.58287	5.28E-06	0.000804	0.000116	1.63E-09	4.92E-09	3.89E-09	0	0	0	0	7.544E-09	3.6559E-08	0.000116	1.66668E-09	0	8.31895E-10	0
789	571119.2	4178286	9.17, 41782	25.0824	15.07438	138.00946	507.91812	256.39153	16734.57469	211.8106	106.96205	4271.60103	0.000136	0.016495	0.004211	4.2E-08	1.27E-07	1E-07	0	0	0	0	1.943E-07	7.4979E-07	0.004211	4.29369E-08	0	2.14312E-08	0
790	571119.2	4178326	9.17, 41783	197.49067	14.51391	52.98238	3348.29445	230.6601	7805.71053	1622.72219	95.52079	2122.69744	5.22E-05	0.007694	0.002093	1.61E-08	4.87E-08	3.84E-08	0	0	0	0	7.462E-08	3.4974E-07	0.002093	1.64859E-08	0	8.22866E-09	0
791	571119.2	4178366	9.17, 41783	10.01384	12.46582	9.59129	630.48898	206.62645	2115.5821	198.58486	83.22549	424.70779	9.46E-06	0.002085	0.000419	2.92E-09	8.81E-09	6.96E-09	0	0	0	0	1.351E-08	9.4792E-08	0.000419	2.98495E-09	0	1.48988E-09	0
792	571159.2	4178326	9.17, 41783	219.15803	19.05137	35.48029	3124.9508	277.70648	3646.5914	1560.39264	128.55095	753.34584	3.5E-05	0.003595	0.000743	1.08E-08	3.26E-08	2.57E-08	0	0	0	0	4.998E-08	1.6339E-07	0.000743	1.10415E-08	0	5.51116E-09	0
793	570808.8	4178465	8.82, 41784	10.95844	3.34212	2.15804	1253.90468	193.66587	956.23037	302.59047	56.7134	159.37173	2.13E-06	0.000943	0.000157	6.57E-10	1.98E-09	1.57E-09	0	0	0	0	3.04E-09	4.2848E-08	0.000157	6.7173E-10	0	3.35282E-10	0
794	570823.9	4178530	3.91, 41785	3.05561	3.25593	2.40542	358.64643	197.99385	1108.94733	70.39413	63.38636	140.39269	2.37E-06	0.001093	0.000138	7.32E-10	2.21E-09	1.75E-09	0	0	0	0	3.388E-09	4.9689E-08	0.000138	7.48616E-10	0	3.73658E-10	0
795	570883.3	4178602	3.31, 41786	3.07425	4.49746	2.05933	479.66242	287.53386	914.81532	94.76169	103.00469	119.05382	2.03E-06	0.000902	0.000117	6.27E-10	1.89E-09	1.49E-09	0	0	0	0	2.902E-09	4.0992E-08	0.000117	6.41041E-10	0	3.19964E-10	0
796	571181.5	4178310	1.45, 41783	77.30582	13.12592	35.80897	2585.53888	242.23364	1672.90767	872.95261	114.20023	513.62427	3.53E-05	0.001649	0.000507	1.09E-08	3.29E-08	2.6E-08	0	0	0	0	5.043E-08	7.496E-08	0.000507	1.11421E-08	0	5.56136E-09	0
797	571067.8	4178207	7.83, 41782	5.36607	4.9243	1.64986	895.65181	299.02694	904.65641	223.56067	96.05921	144.20823	1.63E-06	0.000892	0.000142	5.02E-10	1.52E-09	1.2E-09	0	0	0	0	2.325E-09	4.0537E-08	0.000142	5.13705E-10	0	2.56407E-10	0
798	570799.9	4178447	9.89, 41784	4.88888	2.78293	1.75814	732.83791	152.28075	768.58836	142.77112	52.0733	124.31973	1.73E-06	0.000758	0.000123	5.35E-10	1.62E-09	1.28E-09	0	0	0	0	2.477E-09	3.4439E-08	0.000123	5.47223E-10	0	2.73137E-10	0

	EmissionsRates(g/s)	
	Trenching	**Grading**
1 Arsenic	6.58E-08	4.13E-10
2 Beryllium	1.50E-10	9.45E-13
3 Cadmium	1.44E-09	9.03E-12
4 Chromium	2.91E-08	1.83E-10
5 Cobalt	5.56E-09	3.49E-11
6 Copper	2.04E-07	1.28E-09
7 Lead	8.40E-08	5.28E-10
8 Nickel	2.35E-08	1.48E-10
9 Selenium	4.21E-10	2.64E-12
10 Mercury	1.05E-10	6.58E-13

	Trenching
AermodEmissionsRateUnitizied	0.25

				Hazards	
	Pollutant	Cancer Risk (m	Acute	Chronic	8-Hour
Metals	Arsenic	12.00	0.20	0.02	0.02
	Beryllium	8.40	1.00	0.01	1.00
	Cadmium	15.00	1.00	0.02	1.00
	Chromium (hexavalent)	510.00	1.00	0.20	1.00
	Cobalt	27.00	1.00	1.00	1.00
	Copper		100.00	1.00	1.00
	Lead	0.04	1.00	1.00	1.00
	Mercury		0.60	0.03	0.06
	Nickel	0.91	0.20	0.01	0.06
	Selenium		1.00	20.00	1.00
	1,1,1,2-Tetrachloroethane	0.20	1.00	1.00	1.00
VOCs	1,1,1-Trichloroethane	0.06	1.00	1.00	1.00
	1,1,2,2-Tetrachloroethane	0.20	1.00	1.00	1.00
	1,1,2-Trichloroethane	0.06	1.00	1.00	1.00
	1,1-Dichloroethane	0.01	1.00	1.00	1.00
	1,2,3-Trimethylbenzene		2400.00	4.00	8.00
	1,2-Dibromo-3-Chloropropane	7.00	1.00	1.00	1.00
	1,2-Dichlorobenzene	0.04	1.00	800.00	1.00
	1,2-Dichloroethane	0.01	1.00	1.00	1.00
	1,3,5-Trimethylbenzene		2400.00	4.00	8.00
	1,4-Dichlorobenzene	0.04	1.00	800.00	1.00
	Acrylonitrile	1.00	1.00	5.00	1.00
	Benzene	0.10	27.00	3.00	3.00
	Chlorobenzene		1.00	1000.00	1.00
	Chloroform	0.02	150.00	300.00	1.00
	cis-1,2-Dichloroethene	0.01	1.00	1.00	1.00
	Ethylbenzene	0.01	1.00	2000.00	1.00
	Styrene		21000.00	900.00	1.00
	Tetrachloroethene	0.20	1.00	1.00	1.00
	Toluene		5000.00	420.00	830.00
	Trichloroethene	0.06	1.00	1.00	1.00
	Xylenes,		22000.00	700.00	1.00
SVOCS					
	1,4-Dichlorobenzene	0.04	1.00	800.00	
	2,4,6-Trichlorophenol	0.07	1.00	1.00	
	2,4-Dinitrotoluene	0.31	1.00	1.00	
	3,3-Dichlorobenzidine	1.20	1.00	1.00	
	Benzidine	500.00	1.00	1.00	
	Benzo(a)anthracene	0.39	1.00	1.00	
	Benzo(a)pyrene	3.90	1.00	1.00	
	Bis(2-chloroethyl)ether	2.50	1.00	1.00	
	Chrysene	0.04	1.00	1.00	
	Dibenz(a,h)anthracene	4.10	1.00	1.00	
	Hexachlorobenzene	1.80	1.00	1.00	
	Indeno(1,2,3-cd)pyrene	0.39	1.00	1.00	
	Isophorone		1.00	2000.00	
	Naphthalene	0.12	1.00	9.00	
	n-Nitrosodimethylamine	16.00	1.00	1.00	
	n-Nitrosodi-n-propylamine	7.00	1.00	1.00	
	n-Nitrosodiphenylamine	0.01	1.00	1.00	
	Pentachlorophenol	0.02	1.00	1.00	
	Phenol		5800.00	200.00	

		Unmitigated Risk											
#	X,Y	1	2	3	4	5	6	7	8	9	10	Total	Per Million
1	570310.55,	0	0	0	0	0	0	0	0	0	0	3.24E-10	0.0
2	570350.55,	0	0	0	0	0	0	0	0	0	0	3.45E-10	0.0
3	570390.55,	0	0	0	0	0	0	0	0	0	0	3.66E-10	0.0
4	570430.55,	0	0	0	0	0	0	0	0	0	0	3.87E-10	0.0
5	570470.55,	0	0	0	0	0	0	0	0	0	0	4.06E-10	0.0
6	570510.55,	0	0	0	0	0	0	0	0	0	0	4.23E-10	0.0
7	570550.55,	0	0	0	0	0	0	0	0	0	0	4.38E-10	0.0
8	570590.55,	0	0	0	0	0	0	0	0	0	0	4.56E-10	0.0
9	570630.55,	0	0	0	0	0	0	0	0	0	0	4.80E-10	0.0
10	570670.55,	0	0	0	0	0	0	0	0	0	0	5.09E-10	0.0
11	570710.55,	0	0	0	0	0	0	0	0	0	0	5.37E-10	0.0
12	570750.55,	0	0	0	0	0	0	0	0	0	0	5.57E-10	0.0
13	570790.55,	0	0	0	0	0	0	0	0	0	0	5.67E-10	0.0
14	570830.55,	0	0	0	0	0	0	0	0	0	0	5.63E-10	0.0
15	570870.55,	0	0	0	0	0	0	0	0	0	0	5.50E-10	0.0
16	570910.55,	0	0	0	0	0	0	0	0	0	0	5.35E-10	0.0
17	570950.55,	0	0	0	0	0	0	0	0	0	0	5.19E-10	0.0
18	570990.55,	0	0	0	0	0	0	0	0	0	0	5.03E-10	0.0
19	571030.55,	0	0	0	0	0	0	0	0	0	0	4.85E-10	0.0
20	571070.55,	0	0	0	0	0	0	0	0	0	0	4.75E-10	0.0
21	571110.55,	0	0	0	0	0	0	0	0	0	0	4.77E-10	0.0
22	571150.55,	0	0	0	0	0	0	0	0	0	0	4.80E-10	0.0
23	571190.55,	0	0	0	0	0	0	0	0	0	0	4.84E-10	0.0
24	571230.55,	0	0	0	0	0	0	0	0	0	0	4.89E-10	0.0
25	571270.55,	0	0	0	0	0	0	0	0	0	0	4.96E-10	0.0
26	571310.55,	0	0	0	0	0	0	0	0	0	0	5.08E-10	0.0
27	571350.55,	0	0	0	0	0	0	0	0	0	0	5.25E-10	0.0
28	571390.55,	0	0	0	0	0	0	0	0	0	0	5.33E-10	0.0
29	571430.55,	0	0	0	0	0	0	0	0	0	0	5.75E-10	0.0
30	571470.55,	0	0	0	0	0	0	0	0	0	0	6.29E-10	0.0
31	571510.55,	0	0	0	0	0	0	0	0	0	0	6.89E-10	0.0
32	571550.55,	0	0	0	0	0	0	0	0	0	0	7.42E-10	0.0
33	571590.55,	0	0	0	0	0	0	0	0	0	0	7.88E-10	0.0
34	570310.55,	0	0	0	0	0	0	0	0	0	0	3.39E-10	0.0
35	570350.55,	0	0	0	0	0	0	0	0	0	0	3.63E-10	0.0
36	570390.55,	0	0	0	0	0	0	0	0	0	0	3.88E-10	0.0
37	570430.55,	0	0	0	0	0	0	0	0	0	0	4.13E-10	0.0
38	570470.55,	0	0	0	0	0	0	0	0	0	0	4.38E-10	0.0
39	570510.55,	0	0	0	0	0	0	0	0	0	0	4.62E-10	0.0
40	570550.55,	0	0	0	0	0	0	0	0	0	0	4.82E-10	0.0
41	570590.55,	0	0	0	0	0	0	0	0	0	0	5.04E-10	0.0
42	570630.55,	0	0	0	0	0	0	0	0	0	0	5.31E-10	0.0
43	570670.55,	0	0	0	0	0	0	0	0	0	0	5.67E-10	0.0
44	570710.55,	0	0	0	0	0	0	0	0	0	0	6.06E-10	0.0
45	570750.55,	0	0	0	0	0	0	0	0	0	0	6.42E-10	0.0
46	570790.55,	0	0	0	0	0	0	0	0	0	0	6.71E-10	0.0
47	570830.55,	0	0	0	0	0	0	0	0	0	0	6.87E-10	0.0
48	570870.55,	0	0	0	0	0	0	0	0	0	0	6.85E-10	0.0
49	570910.55,	0	0	0	0	0	0	0	0	0	0	6.71E-10	0.0
50	570950.55,	0	0	0	0	0	0	0	0	0	0	6.47E-10	0.0
51	570990.55,	0	0	0	0	0	0	0	0	0	0	6.21E-10	0.0
52	571030.55,	0	0	0	0	0	0	0	0	0	0	5.99E-10	0.0
53	571070.55,	0	0	0	0	0	0	0	0	0	0	5.87E-10	0.0
54	571110.55,	0	0	0	0	0	0	0	0	0	0	5.88E-10	0.0
55	571150.55,	0	0	0	0	0	0	0	0	0	0	5.93E-10	0.0
56	571190.55,	0	0	0	0	0	0	0	0	0	0	6.04E-10	0.0
57	571230.55,	0	0	0	0	0	0	0	0	0	0	6.15E-10	0.0
58	571270.55,	0	0	0	0	0	0	0	0	0	0	6.29E-10	0.0
59	571310.55,	0	0	0	0	0	0	0	0	0	0	6.55E-10	0.0
60	571350.55,	0	0	0	0	0	0	0	0	0	0	6.98E-10	0.0
61	571390.55,	0	0	0	0	0	0	0	0	0	0	7.45E-10	0.0
62	571430.55,	0	0	0	0	0	0	0	0	0	0	8.16E-10	0.0
63	571470.55,	0	0	0	0	0	0	0	0	0	0	8.91E-10	0.0
64	571510.55,	0	0	0	0	0	0	0	0	0	0	9.61E-10	0.0
65	571550.55,	0	0	0	0	0	0	0	0	0	0	1.01E-09	0.0
66	571590.55,	0	0	0	0	0	0	0	0	0	0	1.03E-09	0.0
67	570310.55,	0	0	0	0	0	0	0	0	0	0	3.55E-10	0.0
68	570350.55,	0	0	0	0	0	0	0	0	0	0	3.82E-10	0.0
69	570390.55,	0	0	0	0	0	0	0	0	0	0	4.11E-10	0.0
70	570430.55,	0	0	0	0	0	0	0	0	0	0	4.41E-10	0.0
71	570470.55,	0	0	0	0	0	0	0	0	0	0	4.72E-10	0.0
72	570510.55,	0	0	0	0	0	0	0	0	0	0	5.01E-10	0.0
73	570550.55,	0	0	0	0	0	0	0	0	0	0	5.28E-10	0.0
74	570590.55,	0	0	0	0	0	0	0	0	0	0	5.56E-10	0.0
75	570630.55,	0	0	0	0	0	0	0	0	0	0	5.87E-10	0.0
76	570670.55,	0	0	0	0	0	0	0	0	0	0	6.29E-10	0.0
77	570710.55,	0	0	0	0	0	0	0	0	0	0	6.80E-10	0.0
78	570750.55,	0	0	0	0	0	0	0	0	0	0	7.35E-10	0.0
79	570790.55,	0	0	0	0	0	0	0	0	0	0	7.88E-10	0.0
80	570830.55,	0	0	0	0	0	0	0	0	0	0	8.34E-10	0.0
81	570870.55,	0	0	0	0	0	0	0	0	0	0	8.61E-10	0.0
82	570910.55,	0	0	0	0	0	0	0	0	0	0	8.62E-10	0.0
83	570950.55,	0	0	0	0	0	0	0	0	0	0	8.36E-10	0.0
84	570990.55,	0	0	0	0	0	0	0	0	0	0	7.96E-10	0.0
85	571030.55,	0	0	0	0	0	0	0	0	0	0	7.64E-10	0.0
86	571070.55,	0	0	0	0	0	0	0	0	0	0	7.49E-10	0.0
87	571110.55,	0	0	0	0	0	0	0	0	0	0	7.18E-10	0.0

Worker Unmitigated Risk											
1	2	3	4	5	6	7	8	9	10	Total	Per Million
0	0	0	0	0	0	0	0	0	0	8.82262E-12	0.0
0	0	0	0	0	0	0	0	0	0	9.39146E-12	0.0
0	0	0	0	0	0	0	0	0	0	9.96063E-12	0.0
0	0	0	0	0	0	0	0	0	0	1.05269E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.1058E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.15186E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.19248E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.24015E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.30653E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.38625E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.4607E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.51531E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.54155E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.53203E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.49646E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.4562E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.41269E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.36855E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.31941E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.29349E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.2979E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.30546E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.31564E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.33046E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.3507E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.38266E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.42751E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.4512E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.56503E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.71183E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.87386E-11	0.0
0	0	0	0	0	0	0	0	0	0	2.01989E-11	0.0
0	0	0	0	0	0	0	0	0	0	2.14457E-11	0.0
0	0	0	0	0	0	0	0	0	0	9.23255E-12	0.0
0	0	0	0	0	0	0	0	0	0	9.88516E-12	0.0
0	0	0	0	0	0	0	0	0	0	1.05617E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.12376E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.19236E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.25617E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.31261E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.37057E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.44372E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.54165E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.64929E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.74801E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.82626E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.86844E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.86436E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.82548E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.76174E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.69077E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.6295E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.59794E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.60023E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.6149E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.64229E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.67343E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.71256E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.78106E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.89934E-11	0.0
0	0	0	0	0	0	0	0	0	0	2.02666E-11	0.0
0	0	0	0	0	0	0	0	0	0	2.22007E-11	0.0
0	0	0	0	0	0	0	0	0	0	2.42486E-11	0.0
0	0	0	0	0	0	0	0	0	0	2.6156E-11	0.0
0	0	0	0	0	0	0	0	0	0	2.74506E-11	0.0
0	0	0	0	0	0	0	0	0	0	2.81312E-11	0.0
0	0	0	0	0	0	0	0	0	0	9.65626E-12	0.0
0	0	0	0	0	0	0	0	0	0	1.04033E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.11819E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.20071E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.2835E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.36345E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.43797E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.51322E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.59799E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.71025E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.85007E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.9998E-11	0.0
0	0	0	0	0	0	0	0	0	0	2.14501E-11	0.0
0	0	0	0	0	0	0	0	0	0	2.26922E-11	0.0
0	0	0	0	0	0	0	0	0	0	2.3441E-11	0.0
0	0	0	0	0	0	0	0	0	0	2.34449E-11	0.0
0	0	0	0	0	0	0	0	0	0	2.27396E-11	0.0
0	0	0	0	0	0	0	0	0	0	2.16622E-11	0.0
0	0	0	0	0	0	0	0	0	0	2.0778E-11	0.0
0	0	0	0	0	0	0	0	0	0	2.03807E-11	0.0
0	0	0	0	0	0	0	0	0	0	1.95327E-11	0.0

88	571150.55,	0	0	0	0	0	0	0	0	0	0	7.60E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.06782E-11	0.0
89	571190.55,	0	0	0	0	0	0	0	0	0	0	7.83E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.12964E-11	0.0
90	571230.55,	0	0	0	0	0	0	0	0	0	0	8.06E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.19229E-11	0.0
91	571270.55,	0	0	0	0	0	0	0	0	0	0	8.45E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.29832E-11	0.0
92	571310.55,	0	0	0	0	0	0	0	0	0	0	9.10E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.47688E-11	0.0
93	571350.55,	0	0	0	0	0	0	0	0	0	0	1.00E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.7286E-11	0.0
94	571390.55,	0	0	0	0	0	0	0	0	0	0	1.11E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.01022E-11	0.0
95	571430.55,	0	0	0	0	0	0	0	0	0	0	1.19E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.24485E-11	0.0
96	571470.55,	0	0	0	0	0	0	0	0	0	0	1.27E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.46309E-11	0.0
97	571510.55,	0	0	0	0	0	0	0	0	0	0	1.32E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.57982E-11	0.0
98	571550.55,	0	0	0	0	0	0	0	0	0	0	1.32E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.59256E-11	0.0
99	571590.55,	0	0	0	0	0	0	0	0	0	0	1.30E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.53512E-11	0.0
100	570310.55,	0	0	0	0	0	0	0	0	0	0	3.71E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.00884E-11	0.0
101	570350.55,	0	0	0	0	0	0	0	0	0	0	4.02E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.09331E-11	0.0
102	570390.55,	0	0	0	0	0	0	0	0	0	0	4.35E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.1849E-11	0.0
103	570430.55,	0	0	0	0	0	0	0	0	0	0	4.71E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.28191E-11	0.0
104	570470.55,	0	0	0	0	0	0	0	0	0	0	5.08E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.38318E-11	0.0
105	570510.55,	0	0	0	0	0	0	0	0	0	0	5.45E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.48238E-11	0.0
106	570550.55,	0	0	0	0	0	0	0	0	0	0	5.80E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.57726E-11	0.0
107	570590.55,	0	0	0	0	0	0	0	0	0	0	6.14E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.67077E-11	0.0
108	570630.55,	0	0	0	0	0	0	0	0	0	0	6.50E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.76827E-11	0.0
109	570670.55,	0	0	0	0	0	0	0	0	0	0	6.96E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.89308E-11	0.0
110	570710.55,	0	0	0	0	0	0	0	0	0	0	7.57E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.06005E-11	0.0
111	570750.55,	0	0	0	0	0	0	0	0	0	0	8.32E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.26358E-11	0.0
112	570790.55,	0	0	0	0	0	0	0	0	0	0	9.16E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.49115E-11	0.0
113	570830.55,	0	0	0	0	0	0	0	0	0	0	1.00E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.72877E-11	0.0
114	570870.55,	0	0	0	0	0	0	0	0	0	0	1.08E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.94391E-11	0.0
115	570910.55,	0	0	0	0	0	0	0	0	0	0	1.13E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.06388E-11	0.0
116	570950.55,	0	0	0	0	0	0	0	0	0	0	1.12E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.04482E-11	0.0
117	570990.55,	0	0	0	0	0	0	0	0	0	0	1.07E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.90937E-11	0.0
118	571030.55,	0	0	0	0	0	0	0	0	0	0	1.02E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.77147E-11	0.0
119	571070.55,	0	0	0	0	0	0	0	0	0	0	9.96E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.70911E-11	0.0
120	571110.55,	0	0	0	0	0	0	0	0	0	0	9.49E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.58332E-11	0.0
121	571150.55,	0	0	0	0	0	0	0	0	0	0	1.02E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.7741E-11	0.0
122	571190.55,	0	0	0	0	0	0	0	0	0	0	1.07E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.91914E-11	0.0
123	571230.55,	0	0	0	0	0	0	0	0	0	0	1.14E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.0992E-11	0.0
124	571270.55,	0	0	0	0	0	0	0	0	0	0	1.25E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.40533E-11	0.0
125	571310.55,	0	0	0	0	0	0	0	0	0	0	1.41E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.82733E-11	0.0
126	571350.55,	0	0	0	0	0	0	0	0	0	0	1.56E-09	0.0	0	0	0	0	0	0	0	0	0	0	4.23479E-11	0.0
127	571390.55,	0	0	0	0	0	0	0	0	0	0	1.67E-09	0.0	0	0	0	0	0	0	0	0	0	0	4.53717E-11	0.0
128	571430.55,	0	0	0	0	0	0	0	0	0	0	1.74E-09	0.0	0	0	0	0	0	0	0	0	0	0	4.7307E-11	0.0
129	571470.55,	0	0	0	0	0	0	0	0	0	0	1.75E-09	0.0	0	0	0	0	0	0	0	0	0	0	4.76461E-11	0.0
130	571510.55,	0	0	0	0	0	0	0	0	0	0	1.71E-09	0.0	0	0	0	0	0	0	0	0	0	0	4.6598E-11	0.0
131	571550.55,	0	0	0	0	0	0	0	0	0	0	1.64E-09	0.0	0	0	0	0	0	0	0	0	0	0	4.46657E-11	0.0
132	571590.55,	0	0	0	0	0	0	0	0	0	0	1.54E-09	0.0	0	0	0	0	0	0	0	0	0	0	4.17871E-11	0.0
133	570310.55,	0	0	0	0	0	0	0	0	0	0	3.86E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.05138E-11	0.0
134	570350.55,	0	0	0	0	0	0	0	0	0	0	4.21E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.14573E-11	0.0
135	570390.55,	0	0	0	0	0	0	0	0	0	0	4.59E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.2501E-11	0.0
136	570430.55,	0	0	0	0	0	0	0	0	0	0	5.02E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.36556E-11	0.0
137	570470.55,	0	0	0	0	0	0	0	0	0	0	5.47E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.4884E-11	0.0
138	570510.55,	0	0	0	0	0	0	0	0	0	0	5.94E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.6167E-11	0.0
139	570550.55,	0	0	0	0	0	0	0	0	0	0	6.40E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.74052E-11	0.0
140	570590.55,	0	0	0	0	0	0	0	0	0	0	6.82E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.85645E-11	0.0
141	570630.55,	0	0	0	0	0	0	0	0	0	0	7.24E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.96865E-11	0.0
142	570670.55,	0	0	0	0	0	0	0	0	0	0	7.72E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.10116E-11	0.0
143	570710.55,	0	0	0	0	0	0	0	0	0	0	8.40E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.28478E-11	0.0
144	570750.55,	0	0	0	0	0	0	0	0	0	0	9.30E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.53177E-11	0.0
145	570790.55,	0	0	0	0	0	0	0	0	0	0	1.05E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.84425E-11	0.0
146	570830.55,	0	0	0	0	0	0	0	0	0	0	1.19E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.22609E-11	0.0
147	570870.55,	0	0	0	0	0	0	0	0	0	0	1.35E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.66084E-11	0.0
148	570910.55,	0	0	0	0	0	0	0	0	0	0	1.48E-09	0.0	0	0	0	0	0	0	0	0	0	0	4.03448E-11	0.0
149	570950.55,	0	0	0	0	0	0	0	0	0	0	1.55E-09	0.0	0	0	0	0	0	0	0	0	0	0	4.21383E-11	0.0
150	570990.55,	0	0	0	0	0	0	0	0	0	0	1.53E-09	0.0	0	0	0	0	0	0	0	0	0	0	4.1541E-11	0.0
151	571030.55,	0	0	0	0	0	0	0	0	0	0	1.45E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.94972E-11	0.0
152	571070.55,	0	0	0	0	0	0	0	0	0	0	1.41E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.84309E-11	0.0
153	571110.55,	0	0	0	0	0	0	0	0	0	0	1.42E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.85509E-11	0.0
154	571150.55,	0	0	0	0	0	0	0	0	0	0	1.49E-09	0.0	0	0	0	0	0	0	0	0	0	0	4.06366E-11	0.0
155	571190.55,	0	0	0	0	0	0	0	0	0	0	1.63E-09	0.0	0	0	0	0	0	0	0	0	0	0	4.4405E-11	0.0
156	571230.55,	0	0	0	0	0	0	0	0	0	0	1.84E-09	0.0	0	0	0	0	0	0	0	0	0	0	5.01871E-11	0.0
157	571270.55,	0	0	0	0	0	0	0	0	0	0	2.11E-09	0.0	0	0	0	0	0	0	0	0	0	0	5.73078E-11	0.0
158	571310.55,	0	0	0	0	0	0	0	0	0	0	2.32E-09	0.0	0	0	0	0	0	0	0	0	0	0	6.30428E-11	0.0
159	571350.55,	0	0	0	0	0	0	0	0	0	0	2.43E-09	0.0	0	0	0	0	0	0	0	0	0	0	6.60069E-11	0.0
160	571390.55,	0	0	0	0	0	0	0	0	0	0	2.44E-09	0.0	0	0	0	0	0	0	0	0	0	0	6.64749E-11	0.0
161	571430.55,	0	0	0	0	0	0	0	0	0	0	2.39E-09	0.0	0	0	0	0	0	0	0	0	0	0	6.49673E-11	0.0
162	571470.55,	0	0	0	0	0	0	0	0	0	0	2.26E-09	0.0	0	0	0	0	0	0	0	0	0	0	6.15677E-11	0.0
163	571510.55,	0	0	0	0	0	0	0	0	0	0	2.11E-09	0.0	0	0	0	0	0	0	0	0	0	0	5.74386E-11	0.0
164	571550.55,	0	0	0	0	0	0	0	0	0	0	1.92E-09	0.0	0	0	0	0	0	0	0	0	0	0	5.21606E-11	0.0
165	571590.55,	0	0	0	0	0	0	0	0	0	0	1.72E-09	0.0	0	0	0	0	0	0	0	0	0	0	4.66824E-11	0.0
166	570310.55,	0	0	0	0	0	0	0	0	0	0	4.00E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.08963E-11	0.0
167	570350.55,	0	0	0	0	0	0	0	0	0	0	4.40E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.19589E-11	0.0
168	570390.55,	0	0	0	0	0	0	0	0	0	0	4.83E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.31527E-11	0.0
169	570430.55,	0	0	0	0	0	0	0	0	0	0	5.32E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.44886E-11	0.0
170	570470.55,	0	0	0	0	0	0	0	0	0	0	5.87E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.5983E-11	0.0
171	570510.55,	0	0	0	0	0	0	0	0	0	0	6.46E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.7574E-11	0.0
172	570550.55,	0	0	0	0	0	0	0	0	0	0	7.07E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.92428E-11	0.0
173	570590.55,	0	0	0	0	0	0	0	0	0	0	7.65E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.08202E-11	0.0
174	570630.55,	0	0	0	0	0	0	0	0	0	0	8.17E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.22425E-11	0.0
175	570670.55,	0	0	0	0	0	0	0	0	0	0	8.69E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.36581E-11	0.0
176	570710.55,	0	0	0	0	0	0	0	0	0	0	9.37E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.55003E-11	0.0
177	570750.55,	0	0	0	0	0	0	0	0	0	0	1.04E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.81774E-11	0.0
178	570790.55,	0	0	0	0	0	0	0	0	0	0	1.17E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.19643E-11	0.0

```
179 570830.55,  0  0  0  0  0  0  0  0  0  0  1.37E-09  0.0          0  0  0  0  0  0  0  0  0  0  3.71943E-11  0.0
180 570870.55,  0  0  0  0  0  0  0  0  0  0  1.63E-09  0.0          0  0  0  0  0  0  0  0  0  0  4.43385E-11  0.0
181 570910.55,  0  0  0  0  0  0  0  0  0  0  1.94E-09  0.0          0  0  0  0  0  0  0  0  0  0  5.26847E-11  0.0
182 570950.55,  0  0  0  0  0  0  0  0  0  0  2.19E-09  0.0          0  0  0  0  0  0  0  0  0  0   5.9615E-11  0.0
183 570990.55,  0  0  0  0  0  0  0  0  0  0  2.33E-09  0.0          0  0  0  0  0  0  0  0  0  0  6.34549E-11  0.0
184 571030.55,  0  0  0  0  0  0  0  0  0  0  2.29E-09  0.0          0  0  0  0  0  0  0  0  0  0  6.23887E-11  0.0
185 571070.55,  0  0  0  0  0  0  0  0  0  0  2.21E-09  0.0          0  0  0  0  0  0  0  0  0  0  6.02634E-11  0.0
186 571110.55,  0  0  0  0  0  0  0  0  0  0  2.27E-09  0.0          0  0  0  0  0  0  0  0  0  0  6.18706E-11  0.0
187 571150.55,  0  0  0  0  0  0  0  0  0  0  2.55E-09  0.0          0  0  0  0  0  0  0  0  0  0  6.93458E-11  0.0
188 571190.55,  0  0  0  0  0  0  0  0  0  0  3.03E-09  0.0          0  0  0  0  0  0  0  0  0  0  8.25573E-11  0.0
189 571230.55,  0  0  0  0  0  0  0  0  0  0  3.48E-09  0.0          0  0  0  0  0  0  0  0  0  0  9.47032E-11  0.0
190 571270.55,  0  0  0  0  0  0  0  0  0  0  3.71E-09  0.0          0  0  0  0  0  0  0  0  0  0  1.01027E-10  0.0
191 571310.55,  0  0  0  0  0  0  0  0  0  0  3.72E-09  0.0          0  0  0  0  0  0  0  0  0  0  1.01242E-10  0.0
192 571350.55,  0  0  0  0  0  0  0  0  0  0  3.59E-09  0.0          0  0  0  0  0  0  0  0  0  0  9.76341E-11  0.0
193 571390.55,  0  0  0  0  0  0  0  0  0  0  3.37E-09  0.0          0  0  0  0  0  0  0  0  0  0  9.16206E-11  0.0
194 571430.55,  0  0  0  0  0  0  0  0  0  0  3.08E-09  0.0          0  0  0  0  0  0  0  0  0  0   8.3777E-11  0.0
195 571470.55,  0  0  0  0  0  0  0  0  0  0  2.75E-09  0.0          0  0  0  0  0  0  0  0  0  0  7.49373E-11  0.0
196 571510.55,  0  0  0  0  0  0  0  0  0  0  2.43E-09  0.0          0  0  0  0  0  0  0  0  0  0  6.62106E-11  0.0
197 571550.55,  0  0  0  0  0  0  0  0  0  0  2.12E-09  0.0          0  0  0  0  0  0  0  0  0  0  5.76975E-11  0.0
198 571590.55,  0  0  0  0  0  0  0  0  0  0  1.84E-09  0.0          0  0  0  0  0  0  0  0  0  0  5.00726E-11  0.0
199 570310.55,  0  0  0  0  0  0  0  0  0  0  4.12E-10  0.0          0  0  0  0  0  0  0  0  0  0  1.12209E-11  0.0
200 570350.55,  0  0  0  0  0  0  0  0  0  0  4.56E-10  0.0          0  0  0  0  0  0  0  0  0  0   1.2411E-11  0.0
201 570390.55,  0  0  0  0  0  0  0  0  0  0  5.06E-10  0.0          0  0  0  0  0  0  0  0  0  0  1.37732E-11  0.0
202 570430.55,  0  0  0  0  0  0  0  0  0  0  5.63E-10  0.0          0  0  0  0  0  0  0  0  0  0  1.53214E-11  0.0
203 570470.55,  0  0  0  0  0  0  0  0  0  0  6.28E-10  0.0          0  0  0  0  0  0  0  0  0  0  1.70807E-11  0.0
204 570510.55,  0  0  0  0  0  0  0  0  0  0  7.00E-10  0.0          0  0  0  0  0  0  0  0  0  0  1.90504E-11  0.0
205 570550.55,  0  0  0  0  0  0  0  0  0  0  7.79E-10  0.0          0  0  0  0  0  0  0  0  0  0  2.11965E-11  0.0
206 570590.55,  0  0  0  0  0  0  0  0  0  0  8.61E-10  0.0          0  0  0  0  0  0  0  0  0  0  2.34159E-11  0.0
207 570630.55,  0  0  0  0  0  0  0  0  0  0  9.36E-10  0.0          0  0  0  0  0  0  0  0  0  0  2.54799E-11  0.0
208 570670.55,  0  0  0  0  0  0  0  0  0  0  1.00E-09  0.0          0  0  0  0  0  0  0  0  0  0  2.72936E-11  0.0
209 570710.55,  0  0  0  0  0  0  0  0  0  0  1.07E-09  0.0          0  0  0  0  0  0  0  0  0  0  2.91922E-11  0.0
210 570750.55,  0  0  0  0  0  0  0  0  0  0  1.17E-09  0.0          0  0  0  0  0  0  0  0  0  0    3.178E-11  0.0
211 570790.55,  0  0  0  0  0  0  0  0  0  0  1.32E-09  0.0          0  0  0  0  0  0  0  0  0  0  3.57967E-11  0.0
212 570830.55,  0  0  0  0  0  0  0  0  0  0  1.55E-09  0.0          0  0  0  0  0  0  0  0  0  0  4.21123E-11  0.0
213 570870.55,  0  0  0  0  0  0  0  0  0  0  1.91E-09  0.0          0  0  0  0  0  0  0  0  0  0   5.1945E-11  0.0
214 570910.55,  0  0  0  0  0  0  0  0  0  0  2.44E-09  0.0          0  0  0  0  0  0  0  0  0  0  6.63122E-11  0.0
215 570950.55,  0  0  0  0  0  0  0  0  0  0  3.11E-09  0.0          0  0  0  0  0  0  0  0  0  0  8.46393E-11  0.0
216 570990.55,  0  0  0  0  0  0  0  0  0  0  3.78E-09  0.0          0  0  0  0  0  0  0  0  0  0  1.02724E-10  0.0
217 571030.55,  0  0  0  0  0  0  0  0  0  0  4.23E-09  0.0          0  0  0  0  0  0  0  0  0  0   1.1504E-10  0.0
218 571070.55,  0  0  0  0  0  0  0  0  0  0  4.23E-09  0.0          0  0  0  0  0  0  0  0  0  0  1.15007E-10  0.0
219 571110.55,  0  0  0  0  0  0  0  0  0  0  4.74E-09  0.0          0  0  0  0  0  0  0  0  0  0  1.28846E-10  0.0
220 571150.55,  0  0  0  0  0  0  0  0  0  0  6.07E-09  0.0          0  0  0  0  0  0  0  0  0  0  1.65078E-10  0.0
221 571190.55,  0  0  0  0  0  0  0  0  0  0  6.76E-09  0.0          0  0  0  0  0  0  0  0  0  0  1.83953E-10  0.0
222 571230.55,  0  0  0  0  0  0  0  0  0  0  6.63E-09  0.0          0  0  0  0  0  0  0  0  0  0  1.80359E-10  0.0
223 571270.55,  0  0  0  0  0  0  0  0  0  0  6.17E-09  0.0          0  0  0  0  0  0  0  0  0  0   1.6785E-10  0.0
224 571310.55,  0  0  0  0  0  0  0  0  0  0  5.60E-09  0.0          0  0  0  0  0  0  0  0  0  0  1.52466E-10  0.0
225 571350.55,  0  0  0  0  0  0  0  0  0  0  4.98E-09  0.0          0  0  0  0  0  0  0  0  0  0  1.35614E-10  0.0
226 571390.55,  0  0  0  0  0  0  0  0  0  0  4.35E-09  0.0          0  0  0  0  0  0  0  0  0  0  1.18333E-10  0.0
227 571430.55,  0  0  0  0  0  0  0  0  0  0  3.72E-09  0.0          0  0  0  0  0  0  0  0  0  0  1.01147E-10  0.0
228 571470.55,  0  0  0  0  0  0  0  0  0  0  3.14E-09  0.0          0  0  0  0  0  0  0  0  0  0  8.53392E-11  0.0
229 571510.55,  0  0  0  0  0  0  0  0  0  0  2.66E-09  0.0          0  0  0  0  0  0  0  0  0  0  7.22825E-11  0.0
230 571550.55,  0  0  0  0  0  0  0  0  0  0  2.27E-09  0.0          0  0  0  0  0  0  0  0  0  0  6.16975E-11  0.0
231 571590.55,  0  0  0  0  0  0  0  0  0  0  1.95E-09  0.0          0  0  0  0  0  0  0  0  0  0  5.29658E-11  0.0
232 570310.55,  0  0  0  0  0  0  0  0  0  0  4.22E-10  0.0          0  0  0  0  0  0  0  0  0  0   1.1477E-11  0.0
233 570350.55,  0  0  0  0  0  0  0  0  0  0  4.69E-10  0.0          0  0  0  0  0  0  0  0  0  0   1.2755E-11  0.0
234 570390.55,  0  0  0  0  0  0  0  0  0  0  5.24E-10  0.0          0  0  0  0  0  0  0  0  0  0  1.42641E-11  0.0
235 570430.55,  0  0  0  0  0  0  0  0  0  0  5.89E-10  0.0          0  0  0  0  0  0  0  0  0  0  1.60353E-11  0.0
236 570470.55,  0  0  0  0  0  0  0  0  0  0  6.65E-10  0.0          0  0  0  0  0  0  0  0  0  0  1.81034E-11  0.0
237 570510.55,  0  0  0  0  0  0  0  0  0  0  7.53E-10  0.0          0  0  0  0  0  0  0  0  0  0  2.04901E-11  0.0
238 570550.55,  0  0  0  0  0  0  0  0  0  0  8.53E-10  0.0          0  0  0  0  0  0  0  0  0  0  2.32004E-11  0.0
239 570590.55,  0  0  0  0  0  0  0  0  0  0  9.63E-10  0.0          0  0  0  0  0  0  0  0  0  0  2.61975E-11  0.0
240 570630.55,  0  0  0  0  0  0  0  0  0  0  1.08E-09  0.0          0  0  0  0  0  0  0  0  0  0  2.92715E-11  0.0
241 570670.55,  0  0  0  0  0  0  0  0  0  0  1.18E-09  0.0          0  0  0  0  0  0  0  0  0  0  3.20638E-11  0.0
242 570710.55,  0  0  0  0  0  0  0  0  0  0  1.27E-09  0.0          0  0  0  0  0  0  0  0  0  0   3.4526E-11  0.0
243 570750.55,  0  0  0  0  0  0  0  0  0  0  1.37E-09  0.0          0  0  0  0  0  0  0  0  0  0  3.71942E-11  0.0
244 570790.55,  0  0  0  0  0  0  0  0  0  0  1.51E-09  0.0          0  0  0  0  0  0  0  0  0  0  4.10757E-11  0.0
245 570830.55,  0  0  0  0  0  0  0  0  0  0  1.75E-09  0.0          0  0  0  0  0  0  0  0  0  0  4.77082E-11  0.0
246 570870.55,  0  0  0  0  0  0  0  0  0  0  2.18E-09  0.0          0  0  0  0  0  0  0  0  0  0  5.93833E-11  0.0
247 570910.55,  0  0  0  0  0  0  0  0  0  0  2.94E-09  0.0          0  0  0  0  0  0  0  0  0  0  7.98962E-11  0.0
248 570950.55,  0  0  0  0  0  0  0  0  0  0  4.29E-09  0.0          0  0  0  0  0  0  0  0  0  0  1.16731E-10  0.0
249 570990.55,  0  0  0  0  0  0  0  0  0  0  6.28E-09  0.0          0  0  0  0  0  0  0  0  0  0  1.70952E-10  0.0
250 571030.55,  0  0  0  0  0  0  0  0  0  0  9.60E-09  0.0          0  0  0  0  0  0  0  0  0  0  2.61179E-10  0.0
251 571070.55,  0  0  0  0  0  0  0  0  0  0  1.42E-08  0.0          0  0  0  0  0  0  0  0  0  0  3.85062E-10  0.0
252 571110.55,  0  0  0  0  0  0  0  0  0  0  2.07E-08  0.0          0  0  0  0  0  0  0  0  0  0  5.64489E-10  0.0
253 571150.55,  0  0  0  0  0  0  0  0  0  0  1.79E-08  0.0          0  0  0  0  0  0  0  0  0  0  4.88375E-10  0.0
254 571190.55,  0  0  0  0  0  0  0  0  0  0  1.45E-08  0.0          0  0  0  0  0  0  0  0  0  0  3.93262E-10  0.0
255 571230.55,  0  0  0  0  0  0  0  0  0  0  1.18E-08  0.0          0  0  0  0  0  0  0  0  0  0  3.21523E-10  0.0
256 571270.55,  0  0  0  0  0  0  0  0  0  0  9.81E-09  0.0          0  0  0  0  0  0  0  0  0  0  2.66838E-10  0.0
257 571310.55,  0  0  0  0  0  0  0  0  0  0  8.09E-09  0.0          0  0  0  0  0  0  0  0  0  0  2.19998E-10  0.0
258 571350.55,  0  0  0  0  0  0  0  0  0  0  6.58E-09  0.0          0  0  0  0  0  0  0  0  0  0   1.7917E-10  0.0
259 571390.55,  0  0  0  0  0  0  0  0  0  0  5.28E-09  0.0          0  0  0  0  0  0  0  0  0  0  1.43744E-10  0.0
260 571430.55,  0  0  0  0  0  0  0  0  0  0  4.27E-09  0.0          0  0  0  0  0  0  0  0  0  0  1.16218E-10  0.0
261 571470.55,  0  0  0  0  0  0  0  0  0  0  3.49E-09  0.0          0  0  0  0  0  0  0  0  0  0  9.50729E-11  0.0
262 571510.55,  0  0  0  0  0  0  0  0  0  0  2.90E-09  0.0          0  0  0  0  0  0  0  0  0  0   7.8783E-11  0.0
263 571550.55,  0  0  0  0  0  0  0  0  0  0  2.44E-09  0.0          0  0  0  0  0  0  0  0  0  0  6.64926E-11  0.0
264 571590.55,  0  0  0  0  0  0  0  0  0  0  2.08E-09  0.0          0  0  0  0  0  0  0  0  0  0  5.66384E-11  0.0
265 570310.55,  0  0  0  0  0  0  0  0  0  0  4.29E-10  0.0          0  0  0  0  0  0  0  0  0  0  1.16698E-11  0.0
266 570350.55,  0  0  0  0  0  0  0  0  0  0  4.77E-10  0.0          0  0  0  0  0  0  0  0  0  0  1.29866E-11  0.0
267 570390.55,  0  0  0  0  0  0  0  0  0  0  5.36E-10  0.0          0  0  0  0  0  0  0  0  0  0  1.45752E-11  0.0
268 570430.55,  0  0  0  0  0  0  0  0  0  0  6.06E-10  0.0          0  0  0  0  0  0  0  0  0  0  1.65009E-11  0.0
269 570470.55,  0  0  0  0  0  0  0  0  0  0  6.92E-10  0.0          0  0  0  0  0  0  0  0  0  0   1.8835E-11  0.0
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270	570510.55,	0	0	0	0	0	0	0	0	0	0	7.96E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.16538E-11	0.0
271	570550.55,	0	0	0	0	0	0	0	0	0	0	9.19E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.5018E-11	0.0
272	570590.55,	0	0	0	0	0	0	0	0	0	0	1.06E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.89266E-11	0.0
273	570630.55,	0	0	0	0	0	0	0	0	0	0	1.22E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.33029E-11	0.0
274	570670.55,	0	0	0	0	0	0	0	0	0	0	1.39E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.77504E-11	0.0
275	570710.55,	0	0	0	0	0	0	0	0	0	0	1.53E-09	0.0	0	0	0	0	0	0	0	0	0	0	4.17075E-11	0.0
276	570750.55,	0	0	0	0	0	0	0	0	0	0	1.66E-09	0.0	0	0	0	0	0	0	0	0	0	0	4.51457E-11	0.0
277	570790.55,	0	0	0	0	0	0	0	0	0	0	1.80E-09	0.0	0	0	0	0	0	0	0	0	0	0	4.90391E-11	0.0
278	570830.55,	0	0	0	0	0	0	0	0	0	0	2.05E-09	0.0	0	0	0	0	0	0	0	0	0	0	5.57593E-11	0.0
279	570870.55,	0	0	0	0	0	0	0	0	0	0	2.51E-09	0.0	0	0	0	0	0	0	0	0	0	0	6.83949E-11	0.0
280	570910.55,	0	0	0	0	0	0	0	0	0	0	3.38E-09	0.0	0	0	0	0	0	0	0	0	0	0	9.19923E-11	0.0
281	570950.55,	0	0	0	0	0	0	0	0	0	0	5.35E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.45504E-10	0.0
282	570990.55,	0	0	0	0	0	0	0	0	0	0	1.19E-08	0.0	0	0	0	0	0	0	0	0	0	0	3.24616E-10	0.0
283	571030.55,	0	0	0	0	0	0	0	0	0	0	3.04E-08	0.0	0	0	0	0	0	0	0	0	0	0	8.26261E-10	0.0
284	571110.55,	0	0	0	0	0	0	0	0	0	0	1.90E-07	0.2	0	0	0	0	0	0	0	0	0	0	5.17934E-09	0.0
285	571150.55,	0	0	0	0	0	0	0	0	0	0	5.66E-08	0.1	0	0	0	0	0	0	0	0	0	0	1.54133E-09	0.0
286	571190.55,	0	0	0	0	0	0	0	0	0	0	3.19E-08	0.0	0	0	0	0	0	0	0	0	0	0	8.66877E-10	0.0
287	571230.55,	0	0	0	0	0	0	0	0	0	0	2.16E-08	0.0	0	0	0	0	0	0	0	0	0	0	5.88333E-10	0.0
288	571270.55,	0	0	0	0	0	0	0	0	0	0	1.54E-08	0.0	0	0	0	0	0	0	0	0	0	0	4.20116E-10	0.0
289	571310.55,	0	0	0	0	0	0	0	0	0	0	1.11E-08	0.0	0	0	0	0	0	0	0	0	0	0	3.02495E-10	0.0
290	571350.55,	0	0	0	0	0	0	0	0	0	0	8.18E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.22609E-10	0.0
291	571390.55,	0	0	0	0	0	0	0	0	0	0	6.20E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.68569E-10	0.0
292	571430.55,	0	0	0	0	0	0	0	0	0	0	4.88E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.32674E-10	0.0
293	571470.55,	0	0	0	0	0	0	0	0	0	0	3.91E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.06469E-10	0.0
294	571510.55,	0	0	0	0	0	0	0	0	0	0	3.22E-09	0.0	0	0	0	0	0	0	0	0	0	0	8.7744E-11	0.0
295	571550.55,	0	0	0	0	0	0	0	0	0	0	2.71E-09	0.0	0	0	0	0	0	0	0	0	0	0	7.37108E-11	0.0
296	571590.55,	0	0	0	0	0	0	0	0	0	0	2.28E-09	0.0	0	0	0	0	0	0	0	0	0	0	6.21535E-11	0.0
297	570310.55,	0	0	0	0	0	0	0	0	0	0	4.34E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.18125E-11	0.0
298	570350.55,	0	0	0	0	0	0	0	0	0	0	4.83E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.31498E-11	0.0
299	570390.55,	0	0	0	0	0	0	0	0	0	0	5.43E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.47695E-11	0.0
300	570430.55,	0	0	0	0	0	0	0	0	0	0	6.16E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.67567E-11	0.0
301	570470.55,	0	0	0	0	0	0	0	0	0	0	7.07E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.92273E-11	0.0
302	570510.55,	0	0	0	0	0	0	0	0	0	0	8.21E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.23295E-11	0.0
303	570550.55,	0	0	0	0	0	0	0	0	0	0	9.64E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.62397E-11	0.0
304	570590.55,	0	0	0	0	0	0	0	0	0	0	1.14E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.11368E-11	0.0
305	570630.55,	0	0	0	0	0	0	0	0	0	0	1.36E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.70999E-11	0.0
306	570670.55,	0	0	0	0	0	0	0	0	0	0	1.61E-09	0.0	0	0	0	0	0	0	0	0	0	0	4.39074E-11	0.0
307	570710.55,	0	0	0	0	0	0	0	0	0	0	1.87E-09	0.0	0	0	0	0	0	0	0	0	0	0	5.07754E-11	0.0
308	570750.55,	0	0	0	0	0	0	0	0	0	0	2.06E-09	0.0	0	0	0	0	0	0	0	0	0	0	5.60824E-11	0.0
309	570790.55,	0	0	0	0	0	0	0	0	0	0	2.25E-09	0.0	0	0	0	0	0	0	0	0	0	0	6.11512E-11	0.0
310	570830.55,	0	0	0	0	0	0	0	0	0	0	2.48E-09	0.0	0	0	0	0	0	0	0	0	0	0	6.73687E-11	0.0
311	570870.55,	0	0	0	0	0	0	0	0	0	0	2.95E-09	0.0	0	0	0	0	0	0	0	0	0	0	8.03268E-11	0.0
312	570910.55,	0	0	0	0	0	0	0	0	0	0	3.90E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.0613E-10	0.0
313	570950.55,	0	0	0	0	0	0	0	0	0	0	6.16E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.67575E-10	0.0
314	571150.55,	0	0	0	0	0	0	0	0	0	0	4.94E-07	0.5	0	0	0	0	0	0	0	0	0	0	1.34314E-08	0.0
315	571190.55,	0	0	0	0	0	0	0	0	0	0	7.54E-08	0.1	0	0	0	0	0	0	0	0	0	0	2.05109E-09	0.0
316	571230.55,	0	0	0	0	0	0	0	0	0	0	3.71E-08	0.0	0	0	0	0	0	0	0	0	0	0	1.00944E-09	0.0
317	571270.55,	0	0	0	0	0	0	0	0	0	0	2.10E-08	0.0	0	0	0	0	0	0	0	0	0	0	5.72195E-10	0.0
318	571310.55,	0	0	0	0	0	0	0	0	0	0	1.36E-08	0.0	0	0	0	0	0	0	0	0	0	0	3.70132E-10	0.0
319	571350.55,	0	0	0	0	0	0	0	0	0	0	9.56E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.60258E-10	0.0
320	571390.55,	0	0	0	0	0	0	0	0	0	0	7.12E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.93601E-10	0.0
321	571430.55,	0	0	0	0	0	0	0	0	0	0	5.48E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.49117E-10	0.0
322	571470.55,	0	0	0	0	0	0	0	0	0	0	4.39E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.19388E-10	0.0
323	571510.55,	0	0	0	0	0	0	0	0	0	0	3.57E-09	0.0	0	0	0	0	0	0	0	0	0	0	9.70195E-11	0.0
324	571550.55,	0	0	0	0	0	0	0	0	0	0	2.95E-09	0.0	0	0	0	0	0	0	0	0	0	0	8.0224E-11	0.0
325	571590.55,	0	0	0	0	0	0	0	0	0	0	2.49E-09	0.0	0	0	0	0	0	0	0	0	0	0	6.77785E-11	0.0
326	570310.55,	0	0	0	0	0	0	0	0	0	0	4.39E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.19372E-11	0.0
327	570350.55,	0	0	0	0	0	0	0	0	0	0	4.88E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.32916E-11	0.0
328	570390.55,	0	0	0	0	0	0	0	0	0	0	5.49E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.49307E-11	0.0
329	570430.55,	0	0	0	0	0	0	0	0	0	0	6.23E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.6946E-11	0.0
330	570470.55,	0	0	0	0	0	0	0	0	0	0	7.16E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.94716E-11	0.0
331	570510.55,	0	0	0	0	0	0	0	0	0	0	8.34E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.26891E-11	0.0
332	570550.55,	0	0	0	0	0	0	0	0	0	0	9.88E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.68799E-11	0.0
333	570590.55,	0	0	0	0	0	0	0	0	0	0	1.19E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.24298E-11	0.0
334	570630.55,	0	0	0	0	0	0	0	0	0	0	1.46E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.98527E-11	0.0
335	570670.55,	0	0	0	0	0	0	0	0	0	0	1.82E-09	0.0	0	0	0	0	0	0	0	0	0	0	4.96268E-11	0.0
336	570710.55,	0	0	0	0	0	0	0	0	0	0	2.26E-09	0.0	0	0	0	0	0	0	0	0	0	0	6.14775E-11	0.0
337	570750.55,	0	0	0	0	0	0	0	0	0	0	2.68E-09	0.0	0	0	0	0	0	0	0	0	0	0	7.28493E-11	0.0
338	570790.55,	0	0	0	0	0	0	0	0	0	0	3.01E-09	0.0	0	0	0	0	0	0	0	0	0	0	8.18401E-11	0.0
339	570830.55,	0	0	0	0	0	0	0	0	0	0	3.26E-09	0.0	0	0	0	0	0	0	0	0	0	0	8.85773E-11	0.0
340	570870.55,	0	0	0	0	0	0	0	0	0	0	3.71E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.00844E-10	0.0
341	570910.55,	0	0	0	0	0	0	0	0	0	0	4.78E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.30108E-10	0.0
342	571190.55,	0	0	0	0	0	0	0	0	0	0	1.15E-07	0.1	0	0	0	0	0	0	0	0	0	0	3.11981E-09	0.0
343	571230.55,	0	0	0	0	0	0	0	0	0	0	4.12E-08	0.0	0	0	0	0	0	0	0	0	0	0	1.12051E-09	0.0
344	571270.55,	0	0	0	0	0	0	0	0	0	0	2.26E-08	0.0	0	0	0	0	0	0	0	0	0	0	6.1447E-10	0.0
345	571310.55,	0	0	0	0	0	0	0	0	0	0	1.45E-08	0.0	0	0	0	0	0	0	0	0	0	0	3.9461E-10	0.0
346	571350.55,	0	0	0	0	0	0	0	0	0	0	1.02E-08	0.0	0	0	0	0	0	0	0	0	0	0	2.76786E-10	0.0
347	571390.55,	0	0	0	0	0	0	0	0	0	0	7.54E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.05113E-10	0.0
348	571430.55,	0	0	0	0	0	0	0	0	0	0	5.81E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.5802E-10	0.0
349	571470.55,	0	0	0	0	0	0	0	0	0	0	4.60E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.25215E-10	0.0
350	571510.55,	0	0	0	0	0	0	0	0	0	0	3.73E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.01611E-10	0.0
351	571550.55,	0	0	0	0	0	0	0	0	0	0	3.09E-09	0.0	0	0	0	0	0	0	0	0	0	0	8.40223E-11	0.0
352	571590.55,	0	0	0	0	0	0	0	0	0	0	2.58E-09	0.0	0	0	0	0	0	0	0	0	0	0	7.03114E-11	0.0
353	570310.55,	0	0	0	0	0	0	0	0	0	0	4.43E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.20542E-11	0.0
354	570350.55,	0	0	0	0	0	0	0	0	0	0	4.94E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.34528E-11	0.0
355	570390.55,	0	0	0	0	0	0	0	0	0	0	5.56E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.51209E-11	0.0
356	570430.55,	0	0	0	0	0	0	0	0	0	0	6.31E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.71673E-11	0.0
357	570470.55,	0	0	0	0	0	0	0	0	0	0	7.25E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.97295E-11	0.0
358	570510.55,	0	0	0	0	0	0	0	0	0	0	8.46E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.30149E-11	0.0
359	570550.55,	0	0	0	0	0	0	0	0	0	0	1.01E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.73555E-11	0.0
360	570590.55,	0	0	0	0	0	0	0	0	0	0	1.22E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.32721E-11	0.0

361	570630.55,	0	0	0	0	0	0	0	0	0	0	1.53E-09	0.0	0	0	0	0	0	0	0	0	0	0	4.16038E-11	0.0
362	570670.55,	0	0	0	0	0	0	0	0	0	0	1.98E-09	0.0	0	0	0	0	0	0	0	0	0	0	5.37748E-11	0.0
363	570710.55,	0	0	0	0	0	0	0	0	0	0	2.64E-09	0.0	0	0	0	0	0	0	0	0	0	0	7.19419E-11	0.0
364	570750.55,	0	0	0	0	0	0	0	0	0	0	3.57E-09	0.0	0	0	0	0	0	0	0	0	0	0	9.72593E-11	0.0
365	570790.55,	0	0	0	0	0	0	0	0	0	0	4.47E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.21642E-10	0.0
366	570830.55,	0	0	0	0	0	0	0	0	0	0	5.28E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.43555E-10	0.0
367	570870.55,	0	0	0	0	0	0	0	0	0	0	5.82E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.58288E-10	0.0
368	571150.55,	0	0	0	0	0	0	0	0	0	0	6.86E-08	0.1	0	0	0	0	0	0	0	0	0	0	1.86746E-09	0.0
369	571190.55,	0	0	0	0	0	0	0	0	0	0	4.09E-08	0.0	0	0	0	0	0	0	0	0	0	0	1.11177E-09	0.0
370	571230.55,	0	0	0	0	0	0	0	0	0	0	2.53E-08	0.0	0	0	0	0	0	0	0	0	0	0	6.89326E-10	0.0
371	571270.55,	0	0	0	0	0	0	0	0	0	0	1.68E-08	0.0	0	0	0	0	0	0	0	0	0	0	4.5599E-10	0.0
372	571310.55,	0	0	0	0	0	0	0	0	0	0	1.19E-08	0.0	0	0	0	0	0	0	0	0	0	0	3.24147E-10	0.0
373	571350.55,	0	0	0	0	0	0	0	0	0	0	8.90E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.42155E-10	0.0
374	571390.55,	0	0	0	0	0	0	0	0	0	0	6.87E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.86867E-10	0.0
375	571430.55,	0	0	0	0	0	0	0	0	0	0	5.44E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.47903E-10	0.0
376	571470.55,	0	0	0	0	0	0	0	0	0	0	4.40E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.19601E-10	0.0
377	571510.55,	0	0	0	0	0	0	0	0	0	0	3.62E-09	0.0	0	0	0	0	0	0	0	0	0	0	9.84927E-11	0.0
378	571550.55,	0	0	0	0	0	0	0	0	0	0	3.03E-09	0.0	0	0	0	0	0	0	0	0	0	0	8.23401E-11	0.0
379	571590.55,	0	0	0	0	0	0	0	0	0	0	2.54E-09	0.0	0	0	0	0	0	0	0	0	0	0	6.91967E-11	0.0
380	570310.55,	0	0	0	0	0	0	0	0	0	0	4.45E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.21165E-11	0.0
381	570350.55,	0	0	0	0	0	0	0	0	0	0	5.00E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.35969E-11	0.0
382	570390.55,	0	0	0	0	0	0	0	0	0	0	5.62E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.52992E-11	0.0
383	570430.55,	0	0	0	0	0	0	0	0	0	0	6.40E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.74057E-11	0.0
384	570470.55,	0	0	0	0	0	0	0	0	0	0	7.37E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.00451E-11	0.0
385	570510.55,	0	0	0	0	0	0	0	0	0	0	8.62E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.34463E-11	0.0
386	570550.55,	0	0	0	0	0	0	0	0	0	0	1.03E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.79639E-11	0.0
387	570590.55,	0	0	0	0	0	0	0	0	0	0	1.26E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.4207E-11	0.0
388	570630.55,	0	0	0	0	0	0	0	0	0	0	1.59E-09	0.0	0	0	0	0	0	0	0	0	0	0	4.32753E-11	0.0
389	570670.55,	0	0	0	0	0	0	0	0	0	0	2.11E-09	0.0	0	0	0	0	0	0	0	0	0	0	5.73013E-11	0.0
390	570710.55,	0	0	0	0	0	0	0	0	0	0	2.97E-09	0.0	0	0	0	0	0	0	0	0	0	0	8.08479E-11	0.0
391	570750.55,	0	0	0	0	0	0	0	0	0	0	4.56E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.23989E-10	0.0
392	570790.55,	0	0	0	0	0	0	0	0	0	0	6.71E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.82689E-10	0.0
393	570830.55,	0	0	0	0	0	0	0	0	0	0	1.37E-08	0.0	0	0	0	0	0	0	0	0	0	0	3.71867E-10	0.0
394	571110.55,	0	0	0	0	0	0	0	0	0	0	1.92E-08	0.0	0	0	0	0	0	0	0	0	0	0	5.22373E-10	0.0
395	571150.55,	0	0	0	0	0	0	0	0	0	0	1.89E-08	0.0	0	0	0	0	0	0	0	0	0	0	5.14439E-10	0.0
396	571190.55,	0	0	0	0	0	0	0	0	0	0	1.64E-08	0.0	0	0	0	0	0	0	0	0	0	0	4.45821E-10	0.0
397	571230.55,	0	0	0	0	0	0	0	0	0	0	1.32E-08	0.0	0	0	0	0	0	0	0	0	0	0	3.59622E-10	0.0
398	571270.55,	0	0	0	0	0	0	0	0	0	0	1.06E-08	0.0	0	0	0	0	0	0	0	0	0	0	2.895E-10	0.0
399	571310.55,	0	0	0	0	0	0	0	0	0	0	8.51E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.31554E-10	0.0
400	571350.55,	0	0	0	0	0	0	0	0	0	0	6.88E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.87245E-10	0.0
401	571390.55,	0	0	0	0	0	0	0	0	0	0	5.66E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.53979E-10	0.0
402	571430.55,	0	0	0	0	0	0	0	0	0	0	4.70E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.27952E-10	0.0
403	571470.55,	0	0	0	0	0	0	0	0	0	0	3.94E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.07139E-10	0.0
404	571510.55,	0	0	0	0	0	0	0	0	0	0	3.33E-09	0.0	0	0	0	0	0	0	0	0	0	0	9.07433E-11	0.0
405	571550.55,	0	0	0	0	0	0	0	0	0	0	2.84E-09	0.0	0	0	0	0	0	0	0	0	0	0	7.73894E-11	0.0
406	571590.55,	0	0	0	0	0	0	0	0	0	0	2.44E-09	0.0	0	0	0	0	0	0	0	0	0	0	6.64875E-11	0.0
407	570310.55,	0	0	0	0	0	0	0	0	0	0	4.44E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.20935E-11	0.0
408	570350.55,	0	0	0	0	0	0	0	0	0	0	4.97E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.35111E-11	0.0
409	570390.55,	0	0	0	0	0	0	0	0	0	0	5.62E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.53017E-11	0.0
410	570430.55,	0	0	0	0	0	0	0	0	0	0	6.44E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.75159E-11	0.0
411	570470.55,	0	0	0	0	0	0	0	0	0	0	7.44E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.02496E-11	0.0
412	570510.55,	0	0	0	0	0	0	0	0	0	0	8.75E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.38041E-11	0.0
413	570550.55,	0	0	0	0	0	0	0	0	0	0	1.05E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.85447E-11	0.0
414	570590.55,	0	0	0	0	0	0	0	0	0	0	1.29E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.51405E-11	0.0
415	570630.55,	0	0	0	0	0	0	0	0	0	0	1.65E-09	0.0	0	0	0	0	0	0	0	0	0	0	4.48247E-11	0.0
416	570670.55,	0	0	0	0	0	0	0	0	0	0	2.21E-09	0.0	0	0	0	0	0	0	0	0	0	0	6.01734E-11	0.0
417	570710.55,	0	0	0	0	0	0	0	0	0	0	3.21E-09	0.0	0	0	0	0	0	0	0	0	0	0	8.74634E-11	0.0
418	570750.55,	0	0	0	0	0	0	0	0	0	0	5.35E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.45579E-10	0.0
419	570790.55,	0	0	0	0	0	0	0	0	0	0	1.26E-08	0.0	0	0	0	0	0	0	0	0	0	0	3.41517E-10	0.0
420	571070.55,	0	0	0	0	0	0	0	0	0	0	1.89E-08	0.0	0	0	0	0	0	0	0	0	0	0	5.15274E-10	0.0
421	571110.55,	0	0	0	0	0	0	0	0	0	0	1.56E-08	0.0	0	0	0	0	0	0	0	0	0	0	4.23625E-10	0.0
422	571150.55,	0	0	0	0	0	0	0	0	0	0	1.29E-08	0.0	0	0	0	0	0	0	0	0	0	0	3.50993E-10	0.0
423	571190.55,	0	0	0	0	0	0	0	0	0	0	1.07E-08	0.0	0	0	0	0	0	0	0	0	0	0	2.89937E-10	0.0
424	571230.55,	0	0	0	0	0	0	0	0	0	0	9.05E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.46296E-10	0.0
425	571270.55,	0	0	0	0	0	0	0	0	0	0	7.58E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.0635E-10	0.0
426	571310.55,	0	0	0	0	0	0	0	0	0	0	6.41E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.74417E-10	0.0
427	571350.55,	0	0	0	0	0	0	0	0	0	0	5.42E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.47404E-10	0.0
428	571390.55,	0	0	0	0	0	0	0	0	0	0	4.61E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.25459E-10	0.0
429	571430.55,	0	0	0	0	0	0	0	0	0	0	3.96E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.07818E-10	0.0
430	571470.55,	0	0	0	0	0	0	0	0	0	0	3.42E-09	0.0	0	0	0	0	0	0	0	0	0	0	9.307E-11	0.0
431	571510.55,	0	0	0	0	0	0	0	0	0	0	2.98E-09	0.0	0	0	0	0	0	0	0	0	0	0	8.11917E-11	0.0
432	571550.55,	0	0	0	0	0	0	0	0	0	0	2.61E-09	0.0	0	0	0	0	0	0	0	0	0	0	7.08833E-11	0.0
433	571590.55,	0	0	0	0	0	0	0	0	0	0	2.28E-09	0.0	0	0	0	0	0	0	0	0	0	0	6.19687E-11	0.0
434	570310.55,	0	0	0	0	0	0	0	0	0	0	4.39E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.19497E-11	0.0
435	570350.55,	0	0	0	0	0	0	0	0	0	0	4.96E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.34871E-11	0.0
436	570390.55,	0	0	0	0	0	0	0	0	0	0	5.58E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.51897E-11	0.0
437	570430.55,	0	0	0	0	0	0	0	0	0	0	6.34E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.72619E-11	0.0
438	570470.55,	0	0	0	0	0	0	0	0	0	0	7.36E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.00216E-11	0.0
439	570510.55,	0	0	0	0	0	0	0	0	0	0	8.71E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.37117E-11	0.0
440	570550.55,	0	0	0	0	0	0	0	0	0	0	1.05E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.86436E-11	0.0
441	570590.55,	0	0	0	0	0	0	0	0	0	0	1.30E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.537E-11	0.0
442	570630.55,	0	0	0	0	0	0	0	0	0	0	1.66E-09	0.0	0	0	0	0	0	0	0	0	0	0	4.52561E-11	0.0
443	570670.55,	0	0	0	0	0	0	0	0	0	0	2.24E-09	0.0	0	0	0	0	0	0	0	0	0	0	6.0955E-11	0.0
444	570710.55,	0	0	0	0	0	0	0	0	0	0	3.28E-09	0.0	0	0	0	0	0	0	0	0	0	0	8.91812E-11	0.0
445	570750.55,	0	0	0	0	0	0	0	0	0	0	5.62E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.52971E-10	0.0
446	570790.55,	0	0	0	0	0	0	0	0	0	0	1.43E-08	0.0	0	0	0	0	0	0	0	0	0	0	3.8984E-10	0.0
447	571030.55,	0	0	0	0	0	0	0	0	0	0	3.73E-08	0.0	0	0	0	0	0	0	0	0	0	0	1.0152E-09	0.0
448	571070.55,	0	0	0	0	0	0	0	0	0	0	2.22E-08	0.0	0	0	0	0	0	0	0	0	0	0	6.04224E-10	0.0
449	571110.55,	0	0	0	0	0	0	0	0	0	0	1.53E-08	0.0	0	0	0	0	0	0	0	0	0	0	4.16502E-10	0.0
450	571150.55,	0	0	0	0	0	0	0	0	0	0	1.14E-08	0.0	0	0	0	0	0	0	0	0	0	0	3.10455E-10	0.0
451	571190.55,	0	0	0	0	0	0	0	0	0	0	8.95E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.43541E-10	0.0

452	571230.55,	0	0	0	0	0	0	0	0	0	0	7.38E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.00875E-10	0.0
453	571270.55,	0	0	0	0	0	0	0	0	0	0	6.26E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.7042E-10	0.0
454	571310.55,	0	0	0	0	0	0	0	0	0	0	5.37E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.46202E-10	0.0
455	571350.55,	0	0	0	0	0	0	0	0	0	0	4.61E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.25313E-10	0.0
456	571390.55,	0	0	0	0	0	0	0	0	0	0	3.96E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.07728E-10	0.0
457	571430.55,	0	0	0	0	0	0	0	0	0	0	3.41E-09	0.0	0	0	0	0	0	0	0	0	0	0	9.28225E-11	0.0
458	571470.55,	0	0	0	0	0	0	0	0	0	0	2.99E-09	0.0	0	0	0	0	0	0	0	0	0	0	8.12457E-11	0.0
459	571510.55,	0	0	0	0	0	0	0	0	0	0	2.63E-09	0.0	0	0	0	0	0	0	0	0	0	0	7.16494E-11	0.0
460	571550.55,	0	0	0	0	0	0	0	0	0	0	2.33E-09	0.0	0	0	0	0	0	0	0	0	0	0	6.34591E-11	0.0
461	571590.55,	0	0	0	0	0	0	0	0	0	0	2.07E-09	0.0	0	0	0	0	0	0	0	0	0	0	5.64484E-11	0.0
462	570310.55,	0	0	0	0	0	0	0	0	0	0	4.33E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.17775E-11	0.0
463	570350.55,	0	0	0	0	0	0	0	0	0	0	4.84E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.31581E-11	0.0
464	570390.55,	0	0	0	0	0	0	0	0	0	0	5.41E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.47193E-11	0.0
465	570430.55,	0	0	0	0	0	0	0	0	0	0	6.18E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.68155E-11	0.0
466	570470.55,	0	0	0	0	0	0	0	0	0	0	7.15E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.94544E-11	0.0
467	570510.55,	0	0	0	0	0	0	0	0	0	0	8.51E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.31538E-11	0.0
468	570550.55,	0	0	0	0	0	0	0	0	0	0	1.04E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.8191E-11	0.0
469	570590.55,	0	0	0	0	0	0	0	0	0	0	1.28E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.4847E-11	0.0
470	570630.55,	0	0	0	0	0	0	0	0	0	0	1.64E-09	0.0	0	0	0	0	0	0	0	0	0	0	4.46963E-11	0.0
471	570670.55,	0	0	0	0	0	0	0	0	0	0	2.23E-09	0.0	0	0	0	0	0	0	0	0	0	0	6.0542E-11	0.0
472	570710.55,	0	0	0	0	0	0	0	0	0	0	3.27E-09	0.0	0	0	0	0	0	0	0	0	0	0	8.90991E-11	0.0
473	570750.55,	0	0	0	0	0	0	0	0	0	0	5.39E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.46671E-10	0.0
474	570790.55,	0	0	0	0	0	0	0	0	0	0	8.27E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.25139E-10	0.0
475	570990.55,	0	0	0	0	0	0	0	0	0	0	1.22E-07	0.1	0	0	0	0	0	0	0	0	0	0	3.31733E-09	0.0
476	571030.55,	0	0	0	0	0	0	0	0	0	0	4.10E-08	0.0	0	0	0	0	0	0	0	0	0	0	1.11637E-09	0.0
477	571070.55,	0	0	0	0	0	0	0	0	0	0	2.22E-08	0.0	0	0	0	0	0	0	0	0	0	0	6.05061E-10	0.0
478	571110.55,	0	0	0	0	0	0	0	0	0	0	1.46E-08	0.0	0	0	0	0	0	0	0	0	0	0	3.98205E-10	0.0
479	571150.55,	0	0	0	0	0	0	0	0	0	0	1.07E-08	0.0	0	0	0	0	0	0	0	0	0	0	2.89855E-10	0.0
480	571190.55,	0	0	0	0	0	0	0	0	0	0	8.25E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.24455E-10	0.0
481	571230.55,	0	0	0	0	0	0	0	0	0	0	6.58E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.79081E-10	0.0
482	571270.55,	0	0	0	0	0	0	0	0	0	0	5.46E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.48656E-10	0.0
483	571310.55,	0	0	0	0	0	0	0	0	0	0	4.69E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.27676E-10	0.0
484	571350.55,	0	0	0	0	0	0	0	0	0	0	4.07E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.10619E-10	0.0
485	571390.55,	0	0	0	0	0	0	0	0	0	0	3.52E-09	0.0	0	0	0	0	0	0	0	0	0	0	9.56577E-11	0.0
486	571430.55,	0	0	0	0	0	0	0	0	0	0	3.04E-09	0.0	0	0	0	0	0	0	0	0	0	0	8.28086E-11	0.0
487	571470.55,	0	0	0	0	0	0	0	0	0	0	2.65E-09	0.0	0	0	0	0	0	0	0	0	0	0	7.21611E-11	0.0
488	571510.55,	0	0	0	0	0	0	0	0	0	0	2.33E-09	0.0	0	0	0	0	0	0	0	0	0	0	6.34661E-11	0.0
489	571550.55,	0	0	0	0	0	0	0	0	0	0	2.07E-09	0.0	0	0	0	0	0	0	0	0	0	0	5.63996E-11	0.0
490	571590.55,	0	0	0	0	0	0	0	0	0	0	1.86E-09	0.0	0	0	0	0	0	0	0	0	0	0	5.07215E-11	0.0
491	570310.55,	0	0	0	0	0	0	0	0	0	0	4.24E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.15248E-11	0.0
492	570350.55,	0	0	0	0	0	0	0	0	0	0	4.70E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.27885E-11	0.0
493	570390.55,	0	0	0	0	0	0	0	0	0	0	5.29E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.43822E-11	0.0
494	570430.55,	0	0	0	0	0	0	0	0	0	0	6.04E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.64316E-11	0.0
495	570470.55,	0	0	0	0	0	0	0	0	0	0	6.99E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.90261E-11	0.0
496	570510.55,	0	0	0	0	0	0	0	0	0	0	8.30E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.25845E-11	0.0
497	570550.55,	0	0	0	0	0	0	0	0	0	0	1.01E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.75969E-11	0.0
498	570590.55,	0	0	0	0	0	0	0	0	0	0	1.26E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.42978E-11	0.0
499	570630.55,	0	0	0	0	0	0	0	0	0	0	1.62E-09	0.0	0	0	0	0	0	0	0	0	0	0	4.41319E-11	0.0
500	570670.55,	0	0	0	0	0	0	0	0	0	0	2.18E-09	0.0	0	0	0	0	0	0	0	0	0	0	5.92898E-11	0.0
501	570710.55,	0	0	0	0	0	0	0	0	0	0	3.09E-09	0.0	0	0	0	0	0	0	0	0	0	0	8.39579E-11	0.0
502	570750.55,	0	0	0	0	0	0	0	0	0	0	4.49E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.2227E-10	0.0
503	570790.55,	0	0	0	0	0	0	0	0	0	0	5.85E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.59276E-10	0.0
504	570830.55,	0	0	0	0	0	0	0	0	0	0	1.06E-08	0.0	0	0	0	0	0	0	0	0	0	0	2.88223E-10	0.0
505	570950.55,	0	0	0	0	0	0	0	0	0	0	1.05E-07	0.1	0	0	0	0	0	0	0	0	0	0	2.8461E-09	0.0
506	570990.55,	0	0	0	0	0	0	0	0	0	0	4.15E-08	0.0	0	0	0	0	0	0	0	0	0	0	1.12911E-09	0.0
507	571030.55,	0	0	0	0	0	0	0	0	0	0	2.42E-08	0.0	0	0	0	0	0	0	0	0	0	0	6.573E-10	0.0
508	571070.55,	0	0	0	0	0	0	0	0	0	0	1.58E-08	0.0	0	0	0	0	0	0	0	0	0	0	4.3035E-10	0.0
509	571110.55,	0	0	0	0	0	0	0	0	0	0	1.14E-08	0.0	0	0	0	0	0	0	0	0	0	0	3.11094E-10	0.0
510	571150.55,	0	0	0	0	0	0	0	0	0	0	8.74E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.37769E-10	0.0
511	571190.55,	0	0	0	0	0	0	0	0	0	0	6.97E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.89625E-10	0.0
512	571230.55,	0	0	0	0	0	0	0	0	0	0	5.70E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.54964E-10	0.0
513	571270.55,	0	0	0	0	0	0	0	0	0	0	4.71E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.2822E-10	0.0
514	571310.55,	0	0	0	0	0	0	0	0	0	0	4.00E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.08931E-10	0.0
515	571350.55,	0	0	0	0	0	0	0	0	0	0	3.49E-09	0.0	0	0	0	0	0	0	0	0	0	0	9.50857E-11	0.0
516	571390.55,	0	0	0	0	0	0	0	0	0	0	3.08E-09	0.0	0	0	0	0	0	0	0	0	0	0	8.39394E-11	0.0
517	571430.55,	0	0	0	0	0	0	0	0	0	0	2.71E-09	0.0	0	0	0	0	0	0	0	0	0	0	7.37039E-11	0.0
518	571470.55,	0	0	0	0	0	0	0	0	0	0	2.37E-09	0.0	0	0	0	0	0	0	0	0	0	0	6.4601E-11	0.0
519	571510.55,	0	0	0	0	0	0	0	0	0	0	2.09E-09	0.0	0	0	0	0	0	0	0	0	0	0	5.6736E-11	0.0
520	571550.55,	0	0	0	0	0	0	0	0	0	0	1.85E-09	0.0	0	0	0	0	0	0	0	0	0	0	5.04302E-11	0.0
521	571590.55,	0	0	0	0	0	0	0	0	0	0	1.66E-09	0.0	0	0	0	0	0	0	0	0	0	0	4.52978E-11	0.0
522	570310.55,	0	0	0	0	0	0	0	0	0	0	4.15E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.12858E-11	0.0
523	570350.55,	0	0	0	0	0	0	0	0	0	0	4.63E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.25852E-11	0.0
524	570390.55,	0	0	0	0	0	0	0	0	0	0	5.18E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.41062E-11	0.0
525	570430.55,	0	0	0	0	0	0	0	0	0	0	5.93E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.61388E-11	0.0
526	570470.55,	0	0	0	0	0	0	0	0	0	0	6.88E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.87176E-11	0.0
527	570510.55,	0	0	0	0	0	0	0	0	0	0	8.21E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.23484E-11	0.0
528	570550.55,	0	0	0	0	0	0	0	0	0	0	1.00E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.72744E-11	0.0
529	570590.55,	0	0	0	0	0	0	0	0	0	0	1.24E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.3788E-11	0.0
530	570630.55,	0	0	0	0	0	0	0	0	0	0	1.58E-09	0.0	0	0	0	0	0	0	0	0	0	0	4.28836E-11	0.0
531	570670.55,	0	0	0	0	0	0	0	0	0	0	2.05E-09	0.0	0	0	0	0	0	0	0	0	0	0	5.59139E-11	0.0
532	570710.55,	0	0	0	0	0	0	0	0	0	0	2.72E-09	0.0	0	0	0	0	0	0	0	0	0	0	7.38987E-11	0.0
533	570750.55,	0	0	0	0	0	0	0	0	0	0	3.63E-09	0.0	0	0	0	0	0	0	0	0	0	0	9.88937E-11	0.0
534	570790.55,	0	0	0	0	0	0	0	0	0	0	4.77E-09	0.0	0	0	0	0	0	0	0	0	0	0	1.29727E-10	0.0
535	570830.55,	0	0	0	0	0	0	0	0	0	0	7.36E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.00205E-10	0.0
536	570870.55,	0	0	0	0	0	0	0	0	0	0	1.12E-08	0.0	0	0	0	0	0	0	0	0	0	0	3.03909E-10	0.0
537	570910.55,	0	0	0	0	0	0	0	0	0	0	1.67E-08	0.0	0	0	0	0	0	0	0	0	0	0	4.54657E-10	0.0
538	570950.55,	0	0	0	0	0	0	0	0	0	0	1.82E-08	0.0	0	0	0	0	0	0	0	0	0	0	4.94551E-10	0.0
539	570990.55,	0	0	0	0	0	0	0	0	0	0	1.51E-08	0.0	0	0	0	0	0	0	0	0	0	0	4.10786E-10	0.0
540	571030.55,	0	0	0	0	0	0	0	0	0	0	1.19E-08	0.0	0	0	0	0	0	0	0	0	0	0	3.24828E-10	0.0
541	571070.55,	0	0	0	0	0	0	0	0	0	0	9.61E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.61395E-10	0.0
542	571110.55,	0	0	0	0	0	0	0	0	0	0	7.65E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.08147E-10	0.0

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543 571150.55,  0  0  0  0  0  0  0  0  0  0  6.26E-09  0.0      0  0  0  0  0  0  0  0  0  0  1.70238E-10  0.0
544 571190.55,  0  0  0  0  0  0  0  0  0  0  5.29E-09  0.0      0  0  0  0  0  0  0  0  0  0  1.43826E-10  0.0
545 571230.55,  0  0  0  0  0  0  0  0  0  0  4.51E-09  0.0      0  0  0  0  0  0  0  0  0  0  1.22804E-10  0.0
546 571270.55,  0  0  0  0  0  0  0  0  0  0  3.87E-09  0.0      0  0  0  0  0  0  0  0  0  0  1.05365E-10  0.0
547 571310.55,  0  0  0  0  0  0  0  0  0  0  3.32E-09  0.0      0  0  0  0  0  0  0  0  0  0  9.03711E-11  0.0
548 571350.55,  0  0  0  0  0  0  0  0  0  0  2.92E-09  0.0      0  0  0  0  0  0  0  0  0  0  7.94917E-11  0.0
549 571390.55,  0  0  0  0  0  0  0  0  0  0  2.61E-09  0.0      0  0  0  0  0  0  0  0  0  0  7.11023E-11  0.0
550 571430.55,  0  0  0  0  0  0  0  0  0  0  2.35E-09  0.0      0  0  0  0  0  0  0  0  0  0  6.40111E-11  0.0
551 571470.55,  0  0  0  0  0  0  0  0  0  0  2.10E-09  0.0      0  0  0  0  0  0  0  0  0  0  5.70627E-11  0.0
552 571510.55,  0  0  0  0  0  0  0  0  0  0  1.87E-09  0.0      0  0  0  0  0  0  0  0  0  0  5.07907E-11  0.0
553 571550.55,  0  0  0  0  0  0  0  0  0  0  1.66E-09  0.0      0  0  0  0  0  0  0  0  0  0   4.5227E-11  0.0
554 571590.55,  0  0  0  0  0  0  0  0  0  0  1.49E-09  0.0      0  0  0  0  0  0  0  0  0  0  4.04843E-11  0.0
555 570310.55,  0  0  0  0  0  0  0  0  0  0  4.09E-10  0.0      0  0  0  0  0  0  0  0  0  0  1.11251E-11  0.0
556 570350.55,  0  0  0  0  0  0  0  0  0  0  4.58E-10  0.0      0  0  0  0  0  0  0  0  0  0   1.2473E-11  0.0
557 570390.55,  0  0  0  0  0  0  0  0  0  0  5.16E-10  0.0      0  0  0  0  0  0  0  0  0  0  1.40404E-11  0.0
558 570430.55,  0  0  0  0  0  0  0  0  0  0  5.90E-10  0.0      0  0  0  0  0  0  0  0  0  0   1.6041E-11  0.0
559 570470.55,  0  0  0  0  0  0  0  0  0  0  6.89E-10  0.0      0  0  0  0  0  0  0  0  0  0  1.87435E-11  0.0
560 570510.55,  0  0  0  0  0  0  0  0  0  0  8.20E-10  0.0      0  0  0  0  0  0  0  0  0  0  2.23178E-11  0.0
561 570550.55,  0  0  0  0  0  0  0  0  0  0  9.89E-10  0.0      0  0  0  0  0  0  0  0  0  0  2.69101E-11  0.0
562 570590.55,  0  0  0  0  0  0  0  0  0  0  1.21E-09  0.0      0  0  0  0  0  0  0  0  0  0  3.28027E-11  0.0
563 570630.55,  0  0  0  0  0  0  0  0  0  0  1.49E-09  0.0      0  0  0  0  0  0  0  0  0  0  4.06713E-11  0.0
564 570670.55,  0  0  0  0  0  0  0  0  0  0  1.86E-09  0.0      0  0  0  0  0  0  0  0  0  0  5.06883E-11  0.0
565 570710.55,  0  0  0  0  0  0  0  0  0  0  2.33E-09  0.0      0  0  0  0  0  0  0  0  0  0  6.34991E-11  0.0
566 570750.55,  0  0  0  0  0  0  0  0  0  0  2.93E-09  0.0      0  0  0  0  0  0  0  0  0  0  7.98089E-11  0.0
567 570790.55,  0  0  0  0  0  0  0  0  0  0  3.73E-09  0.0      0  0  0  0  0  0  0  0  0  0  1.01565E-10  0.0
568 570830.55,  0  0  0  0  0  0  0  0  0  0  4.88E-09  0.0      0  0  0  0  0  0  0  0  0  0  1.32698E-10  0.0
569 570870.55,  0  0  0  0  0  0  0  0  0  0  5.97E-09  0.0      0  0  0  0  0  0  0  0  0  0  1.62527E-10  0.0
570 570910.55,  0  0  0  0  0  0  0  0  0  0  7.05E-09  0.0      0  0  0  0  0  0  0  0  0  0  1.91846E-10  0.0
571 570950.55,  0  0  0  0  0  0  0  0  0  0  7.37E-09  0.0      0  0  0  0  0  0  0  0  0  0  2.00649E-10  0.0
572 570990.55,  0  0  0  0  0  0  0  0  0  0  6.98E-09  0.0      0  0  0  0  0  0  0  0  0  0  1.89923E-10  0.0
573 571030.55,  0  0  0  0  0  0  0  0  0  0  6.31E-09  0.0      0  0  0  0  0  0  0  0  0  0  1.71815E-10  0.0
574 571070.55,  0  0  0  0  0  0  0  0  0  0  5.64E-09  0.0      0  0  0  0  0  0  0  0  0  0  1.53379E-10  0.0
575 571110.55,  0  0  0  0  0  0  0  0  0  0  5.03E-09  0.0      0  0  0  0  0  0  0  0  0  0   1.3685E-10  0.0
576 571150.55,  0  0  0  0  0  0  0  0  0  0  4.35E-09  0.0      0  0  0  0  0  0  0  0  0  0  1.18374E-10  0.0
577 571190.55,  0  0  0  0  0  0  0  0  0  0  3.81E-09  0.0      0  0  0  0  0  0  0  0  0  0   1.0369E-10  0.0
578 571230.55,  0  0  0  0  0  0  0  0  0  0  3.39E-09  0.0      0  0  0  0  0  0  0  0  0  0  9.23353E-11  0.0
579 571270.55,  0  0  0  0  0  0  0  0  0  0  3.02E-09  0.0      0  0  0  0  0  0  0  0  0  0  8.23053E-11  0.0
580 571310.55,  0  0  0  0  0  0  0  0  0  0  2.68E-09  0.0      0  0  0  0  0  0  0  0  0  0  7.29442E-11  0.0
581 571350.55,  0  0  0  0  0  0  0  0  0  0  2.38E-09  0.0      0  0  0  0  0  0  0  0  0  0  6.48422E-11  0.0
582 571390.55,  0  0  0  0  0  0  0  0  0  0  2.16E-09  0.0      0  0  0  0  0  0  0  0  0  0  5.86962E-11  0.0
583 571430.55,  0  0  0  0  0  0  0  0  0  0  1.98E-09  0.0      0  0  0  0  0  0  0  0  0  0  5.38172E-11  0.0
584 571470.55,  0  0  0  0  0  0  0  0  0  0  1.81E-09  0.0      0  0  0  0  0  0  0  0  0  0  4.93491E-11  0.0
585 571510.55,  0  0  0  0  0  0  0  0  0  0  1.64E-09  0.0      0  0  0  0  0  0  0  0  0  0   4.4651E-11  0.0
586 571550.55,  0  0  0  0  0  0  0  0  0  0  1.48E-09  0.0      0  0  0  0  0  0  0  0  0  0  4.03218E-11  0.0
587 571590.55,  0  0  0  0  0  0  0  0  0  0  1.34E-09  0.0      0  0  0  0  0  0  0  0  0  0  3.64244E-11  0.0
588 570310.55,  0  0  0  0  0  0  0  0  0  0  4.06E-10  0.0      0  0  0  0  0  0  0  0  0  0  1.10565E-11  0.0
589 570350.55,  0  0  0  0  0  0  0  0  0  0  4.57E-10  0.0      0  0  0  0  0  0  0  0  0  0  1.24357E-11  0.0
590 570390.55,  0  0  0  0  0  0  0  0  0  0  5.19E-10  0.0      0  0  0  0  0  0  0  0  0  0   1.4116E-11  0.0
591 570430.55,  0  0  0  0  0  0  0  0  0  0  5.95E-10  0.0      0  0  0  0  0  0  0  0  0  0  1.61984E-11  0.0
592 570470.55,  0  0  0  0  0  0  0  0  0  0  6.91E-10  0.0      0  0  0  0  0  0  0  0  0  0  1.88001E-11  0.0
593 570510.55,  0  0  0  0  0  0  0  0  0  0  8.12E-10  0.0      0  0  0  0  0  0  0  0  0  0  2.21071E-11  0.0
594 570550.55,  0  0  0  0  0  0  0  0  0  0  9.61E-10  0.0      0  0  0  0  0  0  0  0  0  0  2.61607E-11  0.0
595 570590.55,  0  0  0  0  0  0  0  0  0  0  1.15E-09  0.0      0  0  0  0  0  0  0  0  0  0   3.1314E-11  0.0
596 570630.55,  0  0  0  0  0  0  0  0  0  0  1.38E-09  0.0      0  0  0  0  0  0  0  0  0  0  3.74875E-11  0.0
597 570670.55,  0  0  0  0  0  0  0  0  0  0  1.65E-09  0.0      0  0  0  0  0  0  0  0  0  0  4.49241E-11  0.0
598 570710.55,  0  0  0  0  0  0  0  0  0  0  1.97E-09  0.0      0  0  0  0  0  0  0  0  0  0  5.36368E-11  0.0
599 570750.55,  0  0  0  0  0  0  0  0  0  0  2.35E-09  0.0      0  0  0  0  0  0  0  0  0  0  6.38215E-11  0.0
600 570790.55,  0  0  0  0  0  0  0  0  0  0  2.82E-09  0.0      0  0  0  0  0  0  0  0  0  0  7.66858E-11  0.0
601 570830.55,  0  0  0  0  0  0  0  0  0  0  3.28E-09  0.0      0  0  0  0  0  0  0  0  0  0  8.91277E-11  0.0
602 570870.55,  0  0  0  0  0  0  0  0  0  0  3.67E-09  0.0      0  0  0  0  0  0  0  0  0  0  9.98764E-11  0.0
603 570910.55,  0  0  0  0  0  0  0  0  0  0  4.09E-09  0.0      0  0  0  0  0  0  0  0  0  0  1.11258E-10  0.0
604 570950.55,  0  0  0  0  0  0  0  0  0  0  4.18E-09  0.0      0  0  0  0  0  0  0  0  0  0  1.13709E-10  0.0
605 570990.55,  0  0  0  0  0  0  0  0  0  0  4.03E-09  0.0      0  0  0  0  0  0  0  0  0  0  1.09532E-10  0.0
606 571030.55,  0  0  0  0  0  0  0  0  0  0  3.89E-09  0.0      0  0  0  0  0  0  0  0  0  0  1.05826E-10  0.0
607 571070.55,  0  0  0  0  0  0  0  0  0  0  3.64E-09  0.0      0  0  0  0  0  0  0  0  0  0  9.90568E-11  0.0
608 571110.55,  0  0  0  0  0  0  0  0  0  0  3.37E-09  0.0      0  0  0  0  0  0  0  0  0  0  9.17466E-11  0.0
609 571150.55,  0  0  0  0  0  0  0  0  0  0  3.10E-09  0.0      0  0  0  0  0  0  0  0  0  0  8.43795E-11  0.0
610 571190.55,  0  0  0  0  0  0  0  0  0  0  2.80E-09  0.0      0  0  0  0  0  0  0  0  0  0  7.62356E-11  0.0
611 571230.55,  0  0  0  0  0  0  0  0  0  0  2.54E-09  0.0      0  0  0  0  0  0  0  0  0  0  6.89992E-11  0.0
612 571270.55,  0  0  0  0  0  0  0  0  0  0  2.31E-09  0.0      0  0  0  0  0  0  0  0  0  0  6.29733E-11  0.0
613 571310.55,  0  0  0  0  0  0  0  0  0  0  2.11E-09  0.0      0  0  0  0  0  0  0  0  0  0  5.74943E-11  0.0
614 571350.55,  0  0  0  0  0  0  0  0  0  0  1.92E-09  0.0      0  0  0  0  0  0  0  0  0  0  5.21787E-11  0.0
615 571390.55,  0  0  0  0  0  0  0  0  0  0  1.75E-09  0.0      0  0  0  0  0  0  0  0  0  0  4.76694E-11  0.0
616 571430.55,  0  0  0  0  0  0  0  0  0  0  1.62E-09  0.0      0  0  0  0  0  0  0  0  0  0   4.4137E-11  0.0
617 571470.55,  0  0  0  0  0  0  0  0  0  0  1.52E-09  0.0      0  0  0  0  0  0  0  0  0  0  4.13033E-11  0.0
618 571510.55,  0  0  0  0  0  0  0  0  0  0  1.41E-09  0.0      0  0  0  0  0  0  0  0  0  0  3.84302E-11  0.0
619 571550.55,  0  0  0  0  0  0  0  0  0  0  1.30E-09  0.0      0  0  0  0  0  0  0  0  0  0  3.54071E-11  0.0
620 571590.55,  0  0  0  0  0  0  0  0  0  0  1.19E-09  0.0      0  0  0  0  0  0  0  0  0  0  3.23927E-11  0.0
621 570310.55,  0  0  0  0  0  0  0  0  0  0  4.06E-10  0.0      0  0  0  0  0  0  0  0  0  0  1.10511E-11  0.0
622 570350.55,  0  0  0  0  0  0  0  0  0  0  4.57E-10  0.0      0  0  0  0  0  0  0  0  0  0   1.2425E-11  0.0
623 570390.55,  0  0  0  0  0  0  0  0  0  0  5.18E-10  0.0      0  0  0  0  0  0  0  0  0  0  1.40925E-11  0.0
624 570430.55,  0  0  0  0  0  0  0  0  0  0  5.92E-10  0.0      0  0  0  0  0  0  0  0  0  0  1.61201E-11  0.0
625 570470.55,  0  0  0  0  0  0  0  0  0  0  6.83E-10  0.0      0  0  0  0  0  0  0  0  0  0  1.85802E-11  0.0
626 570510.55,  0  0  0  0  0  0  0  0  0  0  7.90E-10  0.0      0  0  0  0  0  0  0  0  0  0  2.14858E-11  0.0
627 570550.55,  0  0  0  0  0  0  0  0  0  0  9.20E-10  0.0      0  0  0  0  0  0  0  0  0  0  2.50242E-11  0.0
628 570590.55,  0  0  0  0  0  0  0  0  0  0  1.07E-09  0.0      0  0  0  0  0  0  0  0  0  0  2.90694E-11  0.0
629 570630.55,  0  0  0  0  0  0  0  0  0  0  1.24E-09  0.0      0  0  0  0  0  0  0  0  0  0  3.37099E-11  0.0
630 570670.55,  0  0  0  0  0  0  0  0  0  0  1.43E-09  0.0      0  0  0  0  0  0  0  0  0  0  3.88742E-11  0.0
631 570710.55,  0  0  0  0  0  0  0  0  0  0  1.63E-09  0.0      0  0  0  0  0  0  0  0  0  0   4.4297E-11  0.0
632 570750.55,  0  0  0  0  0  0  0  0  0  0  1.84E-09  0.0      0  0  0  0  0  0  0  0  0  0  5.01632E-11  0.0
633 570790.55,  0  0  0  0  0  0  0  0  0  0  2.09E-09  0.0      0  0  0  0  0  0  0  0  0  0  5.69876E-11  0.0
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634 570830.55,  0  0  0  0  0  0  0  0  0  0  2.31E-09  0.0    0  0  0  0  0  0  0  0  0  0  6.28602E-11  0.0
635 570870.55,  0  0  0  0  0  0  0  0  0  0  2.51E-09  0.0    0  0  0  0  0  0  0  0  0  0  6.82173E-11  0.0
636 570910.55,  0  0  0  0  0  0  0  0  0  0  2.71E-09  0.0    0  0  0  0  0  0  0  0  0  0  7.36069E-11  0.0
637 570950.55,  0  0  0  0  0  0  0  0  0  0  2.73E-09  0.0    0  0  0  0  0  0  0  0  0  0  7.42623E-11  0.0
638 570990.55,  0  0  0  0  0  0  0  0  0  0  2.69E-09  0.0    0  0  0  0  0  0  0  0  0  0  7.32274E-11  0.0
639 571030.55,  0  0  0  0  0  0  0  0  0  0  2.62E-09  0.0    0  0  0  0  0  0  0  0  0  0  7.12282E-11  0.0
640 571070.55,  0  0  0  0  0  0  0  0  0  0  2.53E-09  0.0    0  0  0  0  0  0  0  0  0  0  6.88909E-11  0.0
641 571110.55,  0  0  0  0  0  0  0  0  0  0  2.40E-09  0.0    0  0  0  0  0  0  0  0  0  0  6.52252E-11  0.0
642 571150.55,  0  0  0  0  0  0  0  0  0  0  2.26E-09  0.0    0  0  0  0  0  0  0  0  0  0  6.15953E-11  0.0
643 571190.55,  0  0  0  0  0  0  0  0  0  0  2.13E-09  0.0    0  0  0  0  0  0  0  0  0  0  5.79194E-11  0.0
644 571230.55,  0  0  0  0  0  0  0  0  0  0  1.97E-09  0.0    0  0  0  0  0  0  0  0  0  0  5.35033E-11  0.0
645 571270.55,  0  0  0  0  0  0  0  0  0  0  1.80E-09  0.0    0  0  0  0  0  0  0  0  0  0  4.90709E-11  0.0
646 571310.55,  0  0  0  0  0  0  0  0  0  0  1.66E-09  0.0    0  0  0  0  0  0  0  0  0  0  4.51926E-11  0.0
647 571350.55,  0  0  0  0  0  0  0  0  0  0  1.53E-09  0.0    0  0  0  0  0  0  0  0  0  0  4.17279E-11  0.0
648 571390.55,  0  0  0  0  0  0  0  0  0  0  1.42E-09  0.0    0  0  0  0  0  0  0  0  0  0  3.85976E-11  0.0
649 571430.55,  0  0  0  0  0  0  0  0  0  0  1.32E-09  0.0    0  0  0  0  0  0  0  0  0  0  3.59178E-11  0.0
650 571470.55,  0  0  0  0  0  0  0  0  0  0  1.25E-09  0.0    0  0  0  0  0  0  0  0  0  0  3.38939E-11  0.0
651 571510.55,  0  0  0  0  0  0  0  0  0  0  1.18E-09  0.0    0  0  0  0  0  0  0  0  0  0   3.2151E-11  0.0
652 571550.55,  0  0  0  0  0  0  0  0  0  0  1.12E-09  0.0    0  0  0  0  0  0  0  0  0  0  3.04352E-11  0.0
653 571590.55,  0  0  0  0  0  0  0  0  0  0  1.05E-09  0.0    0  0  0  0  0  0  0  0  0  0  2.84881E-11  0.0
654 570310.55,  0  0  0  0  0  0  0  0  0  0  4.06E-10  0.0    0  0  0  0  0  0  0  0  0  0  1.10584E-11  0.0
655 570350.55,  0  0  0  0  0  0  0  0  0  0  4.56E-10  0.0    0  0  0  0  0  0  0  0  0  0  1.24055E-11  0.0
656 570390.55,  0  0  0  0  0  0  0  0  0  0  5.15E-10  0.0    0  0  0  0  0  0  0  0  0  0     1.4E-11  0.0
657 570430.55,  0  0  0  0  0  0  0  0  0  0  5.84E-10  0.0    0  0  0  0  0  0  0  0  0  0  1.58774E-11  0.0
658 570470.55,  0  0  0  0  0  0  0  0  0  0  6.62E-10  0.0    0  0  0  0  0  0  0  0  0  0  1.80218E-11  0.0
659 570510.55,  0  0  0  0  0  0  0  0  0  0  7.55E-10  0.0    0  0  0  0  0  0  0  0  0  0  2.05313E-11  0.0
660 570550.55,  0  0  0  0  0  0  0  0  0  0  8.56E-10  0.0    0  0  0  0  0  0  0  0  0  0  2.32988E-11  0.0
661 570590.55,  0  0  0  0  0  0  0  0  0  0  9.68E-10  0.0    0  0  0  0  0  0  0  0  0  0   2.6347E-11  0.0
662 570630.55,  0  0  0  0  0  0  0  0  0  0  1.09E-09  0.0    0  0  0  0  0  0  0  0  0  0  2.96311E-11  0.0
663 570670.55,  0  0  0  0  0  0  0  0  0  0  1.21E-09  0.0    0  0  0  0  0  0  0  0  0  0  3.29277E-11  0.0
664 570710.55,  0  0  0  0  0  0  0  0  0  0  1.32E-09  0.0    0  0  0  0  0  0  0  0  0  0   3.6032E-11  0.0
665 570750.55,  0  0  0  0  0  0  0  0  0  0  1.45E-09  0.0    0  0  0  0  0  0  0  0  0  0  3.94575E-11  0.0
666 570790.55,  0  0  0  0  0  0  0  0  0  0  1.60E-09  0.0    0  0  0  0  0  0  0  0  0  0   4.3423E-11  0.0
667 570830.55,  0  0  0  0  0  0  0  0  0  0  1.71E-09  0.0    0  0  0  0  0  0  0  0  0  0  4.66567E-11  0.0
668 570870.55,  0  0  0  0  0  0  0  0  0  0  1.83E-09  0.0    0  0  0  0  0  0  0  0  0  0  4.99258E-11  0.0
669 570910.55,  0  0  0  0  0  0  0  0  0  0  1.94E-09  0.0    0  0  0  0  0  0  0  0  0  0  5.28256E-11  0.0
670 570950.55,  0  0  0  0  0  0  0  0  0  0  1.93E-09  0.0    0  0  0  0  0  0  0  0  0  0  5.24851E-11  0.0
671 570990.55,  0  0  0  0  0  0  0  0  0  0  1.94E-09  0.0    0  0  0  0  0  0  0  0  0  0  5.27918E-11  0.0
672 571030.55,  0  0  0  0  0  0  0  0  0  0  1.92E-09  0.0    0  0  0  0  0  0  0  0  0  0   5.2116E-11  0.0
673 571070.55,  0  0  0  0  0  0  0  0  0  0  1.85E-09  0.0    0  0  0  0  0  0  0  0  0  0  5.02555E-11  0.0
674 571110.55,  0  0  0  0  0  0  0  0  0  0  1.77E-09  0.0    0  0  0  0  0  0  0  0  0  0  4.81615E-11  0.0
675 571150.55,  0  0  0  0  0  0  0  0  0  0  1.70E-09  0.0    0  0  0  0  0  0  0  0  0  0  4.62904E-11  0.0
676 571190.55,  0  0  0  0  0  0  0  0  0  0  1.64E-09  0.0    0  0  0  0  0  0  0  0  0  0  4.47139E-11  0.0
677 571230.55,  0  0  0  0  0  0  0  0  0  0  1.56E-09  0.0    0  0  0  0  0  0  0  0  0  0  4.25759E-11  0.0
678 571270.55,  0  0  0  0  0  0  0  0  0  0  1.46E-09  0.0    0  0  0  0  0  0  0  0  0  0  3.97325E-11  0.0
679 571310.55,  0  0  0  0  0  0  0  0  0  0  1.35E-09  0.0    0  0  0  0  0  0  0  0  0  0  3.66983E-11  0.0
680 571350.55,  0  0  0  0  0  0  0  0  0  0  1.25E-09  0.0    0  0  0  0  0  0  0  0  0  0   3.3939E-11  0.0
681 571390.55,  0  0  0  0  0  0  0  0  0  0  1.15E-09  0.0    0  0  0  0  0  0  0  0  0  0  3.14264E-11  0.0
682 571430.55,  0  0  0  0  0  0  0  0  0  0  1.08E-09  0.0    0  0  0  0  0  0  0  0  0  0  2.92512E-11  0.0
683 571470.55,  0  0  0  0  0  0  0  0  0  0  1.02E-09  0.0    0  0  0  0  0  0  0  0  0  0  2.77397E-11  0.0
684 571510.55,  0  0  0  0  0  0  0  0  0  0  9.77E-10  0.0    0  0  0  0  0  0  0  0  0  0  2.65891E-11  0.0
685 571550.55,  0  0  0  0  0  0  0  0  0  0  9.40E-10  0.0    0  0  0  0  0  0  0  0  0  0  2.55705E-11  0.0
686 571590.55,  0  0  0  0  0  0  0  0  0  0  9.02E-10  0.0    0  0  0  0  0  0  0  0  0  0  2.45303E-11  0.0
687 570310.55,  0  0  0  0  0  0  0  0  0  0  4.05E-10  0.0    0  0  0  0  0  0  0  0  0  0  1.10183E-11  0.0
688 570350.55,  0  0  0  0  0  0  0  0  0  0  4.52E-10  0.0    0  0  0  0  0  0  0  0  0  0  1.22881E-11  0.0
689 570390.55,  0  0  0  0  0  0  0  0  0  0  5.05E-10  0.0    0  0  0  0  0  0  0  0  0  0  1.37409E-11  0.0
690 570430.55,  0  0  0  0  0  0  0  0  0  0  5.64E-10  0.0    0  0  0  0  0  0  0  0  0  0  1.53575E-11  0.0
691 570470.55,  0  0  0  0  0  0  0  0  0  0  6.32E-10  0.0    0  0  0  0  0  0  0  0  0  0  1.71917E-11  0.0
692 570510.55,  0  0  0  0  0  0  0  0  0  0  7.04E-10  0.0    0  0  0  0  0  0  0  0  0  0  1.91535E-11  0.0
693 570550.55,  0  0  0  0  0  0  0  0  0  0  7.81E-10  0.0    0  0  0  0  0  0  0  0  0  0  2.12377E-11  0.0
694 570590.55,  0  0  0  0  0  0  0  0  0  0  8.61E-10  0.0    0  0  0  0  0  0  0  0  0  0  2.34143E-11  0.0
695 570630.55,  0  0  0  0  0  0  0  0  0  0  9.40E-10  0.0    0  0  0  0  0  0  0  0  0  0  2.55673E-11  0.0
696 570670.55,  0  0  0  0  0  0  0  0  0  0  1.01E-09  0.0    0  0  0  0  0  0  0  0  0  0  2.75343E-11  0.0
697 570710.55,  0  0  0  0  0  0  0  0  0  0  1.08E-09  0.0    0  0  0  0  0  0  0  0  0  0  2.93443E-11  0.0
698 570750.55,  0  0  0  0  0  0  0  0  0  0  1.16E-09  0.0    0  0  0  0  0  0  0  0  0  0  3.15864E-11  0.0
699 570790.55,  0  0  0  0  0  0  0  0  0  0  1.25E-09  0.0    0  0  0  0  0  0  0  0  0  0  3.40988E-11  0.0
700 570830.55,  0  0  0  0  0  0  0  0  0  0  1.33E-09  0.0    0  0  0  0  0  0  0  0  0  0  3.60813E-11  0.0
701 570870.55,  0  0  0  0  0  0  0  0  0  0  1.41E-09  0.0    0  0  0  0  0  0  0  0  0  0  3.83118E-11  0.0
702 570910.55,  0  0  0  0  0  0  0  0  0  0  1.45E-09  0.0    0  0  0  0  0  0  0  0  0  0   3.9566E-11  0.0
703 570950.55,  0  0  0  0  0  0  0  0  0  0  1.37E-09  0.0    0  0  0  0  0  0  0  0  0  0  3.72865E-11  0.0
704 570990.55,  0  0  0  0  0  0  0  0  0  0  1.41E-09  0.0    0  0  0  0  0  0  0  0  0  0  3.82974E-11  0.0
705 571030.55,  0  0  0  0  0  0  0  0  0  0  1.47E-09  0.0    0  0  0  0  0  0  0  0  0  0  4.00622E-11  0.0
706 571070.55,  0  0  0  0  0  0  0  0  0  0  1.42E-09  0.0    0  0  0  0  0  0  0  0  0  0   3.8679E-11  0.0
707 571110.55,  0  0  0  0  0  0  0  0  0  0  1.35E-09  0.0    0  0  0  0  0  0  0  0  0  0  3.67998E-11  0.0
708 571150.55,  0  0  0  0  0  0  0  0  0  0  1.30E-09  0.0    0  0  0  0  0  0  0  0  0  0  3.54379E-11  0.0
709 571190.55,  0  0  0  0  0  0  0  0  0  0  1.28E-09  0.0    0  0  0  0  0  0  0  0  0  0   3.4858E-11  0.0
710 571230.55,  0  0  0  0  0  0  0  0  0  0  1.25E-09  0.0    0  0  0  0  0  0  0  0  0  0  3.41399E-11  0.0
711 571270.55,  0  0  0  0  0  0  0  0  0  0  1.20E-09  0.0    0  0  0  0  0  0  0  0  0  0    3.272E-11  0.0
712 571310.55,  0  0  0  0  0  0  0  0  0  0  1.13E-09  0.0    0  0  0  0  0  0  0  0  0  0  3.07766E-11  0.0
713 571350.55,  0  0  0  0  0  0  0  0  0  0  1.05E-09  0.0    0  0  0  0  0  0  0  0  0  0  2.85353E-11  0.0
714 571390.55,  0  0  0  0  0  0  0  0  0  0  9.61E-10  0.0    0  0  0  0  0  0  0  0  0  0  2.61579E-11  0.0
715 571430.55,  0  0  0  0  0  0  0  0  0  0  8.96E-10  0.0    0  0  0  0  0  0  0  0  0  0  2.43696E-11  0.0
716 571470.55,  0  0  0  0  0  0  0  0  0  0  8.43E-10  0.0    0  0  0  0  0  0  0  0  0  0  2.29494E-11  0.0
717 571510.55,  0  0  0  0  0  0  0  0  0  0  8.16E-10  0.0    0  0  0  0  0  0  0  0  0  0  2.21917E-11  0.0
718 571550.55,  0  0  0  0  0  0  0  0  0  0  7.84E-10  0.0    0  0  0  0  0  0  0  0  0  0  2.13223E-11  0.0
719 571590.55,  0  0  0  0  0  0  0  0  0  0  7.61E-10  0.0    0  0  0  0  0  0  0  0  0  0  2.07118E-11  0.0
720 570310.55,  0  0  0  0  0  0  0  0  0  0  4.00E-10  0.0    0  0  0  0  0  0  0  0  0  0  1.08739E-11  0.0
721 570350.55,  0  0  0  0  0  0  0  0  0  0  4.42E-10  0.0    0  0  0  0  0  0  0  0  0  0  1.20161E-11  0.0
722 570390.55,  0  0  0  0  0  0  0  0  0  0  4.87E-10  0.0    0  0  0  0  0  0  0  0  0  0  1.32584E-11  0.0
723 570430.55,  0  0  0  0  0  0  0  0  0  0  5.38E-10  0.0    0  0  0  0  0  0  0  0  0  0  1.46323E-11  0.0
724 570470.55,  0  0  0  0  0  0  0  0  0  0  5.90E-10  0.0    0  0  0  0  0  0  0  0  0  0  1.60627E-11  0.0
```

725	570510.55,	0	0	0	0	0	0	0	0	0	0	6.45E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.75411E-11	0.0
726	570550.55,	0	0	0	0	0	0	0	0	0	0	7.00E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.90385E-11	0.0
727	570590.55,	0	0	0	0	0	0	0	0	0	0	7.54E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.05109E-11	0.0
728	570630.55,	0	0	0	0	0	0	0	0	0	0	8.03E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.1855E-11	0.0
729	570670.55,	0	0	0	0	0	0	0	0	0	0	8.46E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.30102E-11	0.0
730	570710.55,	0	0	0	0	0	0	0	0	0	0	8.88E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.41709E-11	0.0
731	570750.55,	0	0	0	0	0	0	0	0	0	0	9.46E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.57522E-11	0.0
732	570790.55,	0	0	0	0	0	0	0	0	0	0	1.01E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.73996E-11	0.0
733	570830.55,	0	0	0	0	0	0	0	0	0	0	1.06E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.881E-11	0.0
734	570870.55,	0	0	0	0	0	0	0	0	0	0	1.12E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.04053E-11	0.0
735	570910.55,	0	0	0	0	0	0	0	0	0	0	1.14E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.10004E-11	0.0
736	570950.55,	0	0	0	0	0	0	0	0	0	0	1.14E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.09605E-11	0.0
737	570990.55,	0	0	0	0	0	0	0	0	0	0	1.14E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.10503E-11	0.0
738	571030.55,	0	0	0	0	0	0	0	0	0	0	1.15E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.12656E-11	0.0
739	571070.55,	0	0	0	0	0	0	0	0	0	0	1.13E-09	0.0	0	0	0	0	0	0	0	0	0	0	3.08691E-11	0.0
740	571110.55,	0	0	0	0	0	0	0	0	0	0	1.08E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.92774E-11	0.0
741	571150.55,	0	0	0	0	0	0	0	0	0	0	1.03E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.79884E-11	0.0
742	571190.55,	0	0	0	0	0	0	0	0	0	0	1.01E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.74689E-11	0.0
743	571230.55,	0	0	0	0	0	0	0	0	0	0	1.00E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.73398E-11	0.0
744	571270.55,	0	0	0	0	0	0	0	0	0	0	9.91E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.69724E-11	0.0
745	571310.55,	0	0	0	0	0	0	0	0	0	0	9.56E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.60165E-11	0.0
746	571350.55,	0	0	0	0	0	0	0	0	0	0	9.01E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.45251E-11	0.0
747	571390.55,	0	0	0	0	0	0	0	0	0	0	8.34E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.27057E-11	0.0
748	571430.55,	0	0	0	0	0	0	0	0	0	0	7.70E-10	0.0	0	0	0	0	0	0	0	0	0	0	2.09511E-11	0.0
749	571470.55,	0	0	0	0	0	0	0	0	0	0	7.17E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.95202E-11	0.0
750	571510.55,	0	0	0	0	0	0	0	0	0	0	6.82E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.85691E-11	0.0
751	571550.55,	0	0	0	0	0	0	0	0	0	0	6.64E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.80762E-11	0.0
752	571590.55,	0	0	0	0	0	0	0	0	0	0	6.43E-10	0.0	0	0	0	0	0	0	0	0	0	0	1.75073E-11	0.0
753	570839.17,	0	0	0	0	0	0	0	0	0	0	2.93E-07	0.3	0	0	0	0	0	0	0	0	0	0	7.96303E-09	0.0
754	570839.17,	0	0	0	0	0	0	0	0	0	0	2.86E-07	0.3	0	0	0	0	0	0	0	0	0	0	7.77567E-09	0.0
755	570879.17,	0	0	0	0	0	0	0	0	0	0	3.67E-08	0.0	0	0	0	0	0	0	0	0	0	0	9.98596E-10	0.0
756	570879.17,	0	0	0	0	0	0	0	0	0	0	4.36E-07	0.4	0	0	0	0	0	0	0	0	0	0	1.18697E-08	0.0
757	570879.17,	0	0	0	0	0	0	0	0	0	0	7.27E-08	0.1	0	0	0	0	0	0	0	0	0	0	1.97822E-09	0.0
758	570879.17,	0	0	0	0	0	0	0	0	0	0	3.73E-07	0.4	0	0	0	0	0	0	0	0	0	0	1.01559E-08	0.0
759	570879.17,	0	0	0	0	0	0	0	0	0	0	2.51E-08	0.0	0	0	0	0	0	0	0	0	0	0	6.82892E-10	0.0
760	570919.17,	0	0	0	0	0	0	0	0	0	0	9.53E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.59175E-10	0.0
761	570919.17,	0	0	0	0	0	0	0	0	0	0	2.86E-08	0.0	0	0	0	0	0	0	0	0	0	0	7.77942E-10	0.0
762	570919.17,	0	0	0	0	0	0	0	0	0	0	1.22E-07	0.1	0	0	0	0	0	0	0	0	0	0	3.31388E-09	0.0
763	570919.17,	0	0	0	0	0	0	0	0	0	0	1.17E-07	0.1	0	0	0	0	0	0	0	0	0	0	3.17286E-09	0.0
764	570919.17,	0	0	0	0	0	0	0	0	0	0	7.70E-08	0.1	0	0	0	0	0	0	0	0	0	0	2.09568E-09	0.0
765	570919.17,	0	0	0	0	0	0	0	0	0	0	2.70E-07	0.3	0	0	0	0	0	0	0	0	0	0	7.35476E-09	0.0
766	570959.17,	0	0	0	0	0	0	0	0	0	0	8.49E-09	0.0	0	0	0	0	0	0	0	0	0	0	2.31068E-10	0.0
767	570959.17,	0	0	0	0	0	0	0	0	0	0	1.20E-08	0.0	0	0	0	0	0	0	0	0	0	0	3.26369E-10	0.0
768	570959.17,	0	0	0	0	0	0	0	0	0	0	2.20E-08	0.0	0	0	0	0	0	0	0	0	0	0	5.9809E-10	0.0
769	570959.17,	0	0	0	0	0	0	0	0	0	0	5.23E-08	0.1	0	0	0	0	0	0	0	0	0	0	1.42293E-09	0.0
770	570959.17,	0	0	0	0	0	0	0	0	0	0	2.41E-07	0.2	0	0	0	0	0	0	0	0	0	0	6.5515E-09	0.0
771	570959.17,	0	0	0	0	0	0	0	0	0	0	9.16E-07	0.9	0	0	0	0	0	0	0	0	0	0	2.49299E-08	0.0
772	570999.17,	0	0	0	0	0	0	0	0	0	0	1.91E-08	0.0	0	0	0	0	0	0	0	0	0	0	5.20591E-10	0.0
773	570999.17,	0	0	0	0	0	0	0	0	0	0	1.41E-08	0.0	0	0	0	0	0	0	0	0	0	0	3.84786E-10	0.0
774	570999.17,	0	0	0	0	0	0	0	0	0	0	1.41E-08	0.0	0	0	0	0	0	0	0	0	0	0	3.84166E-10	0.0
775	570999.17,	0	0	0	0	0	0	0	0	0	0	1.87E-08	0.0	0	0	0	0	0	0	0	0	0	0	5.08789E-10	0.0
776	570999.17,	0	0	0	0	0	0	0	0	0	0	3.27E-08	0.0	0	0	0	0	0	0	0	0	0	0	8.89452E-10	0.0
777	570999.17,	0	0	0	0	0	0	0	0	0	0	7.13E-08	0.1	0	0	0	0	0	0	0	0	0	0	1.94029E-09	0.0
778	571039.17,	0	0	0	0	0	0	0	0	0	0	6.66E-08	0.1	0	0	0	0	0	0	0	0	0	0	1.81206E-09	0.0
779	571039.17,	0	0	0	0	0	0	0	0	0	0	1.14E-07	0.1	0	0	0	0	0	0	0	0	0	0	3.09427E-09	0.0
780	571039.17,	0	0	0	0	0	0	0	0	0	0	2.66E-08	0.0	0	0	0	0	0	0	0	0	0	0	7.25049E-10	0.0
781	571039.17,	0	0	0	0	0	0	0	0	0	0	1.77E-08	0.0	0	0	0	0	0	0	0	0	0	0	4.82401E-10	0.0
782	571039.17,	0	0	0	0	0	0	0	0	0	0	1.77E-08	0.0	0	0	0	0	0	0	0	0	0	0	4.81149E-10	0.0
783	571039.17,	0	0	0	0	0	0	0	0	0	0	2.41E-08	0.0	0	0	0	0	0	0	0	0	0	0	6.55257E-10	0.0
784	571079.17,	0	0	0	0	0	0	0	0	0	0	1.06E-07	0.1	0	0	0	0	0	0	0	0	0	0	2.88366E-09	0.0
785	571079.17,	0	0	0	0	0	0	0	0	0	0	1.96E-07	0.2	0	0	0	0	0	0	0	0	0	0	5.3446E-09	0.0
786	571079.17,	0	0	0	0	0	0	0	0	0	0	6.59E-08	0.1	0	0	0	0	0	0	0	0	0	0	1.79224E-09	0.0
787	571079.17,	0	0	0	0	0	0	0	0	0	0	2.47E-08	0.0	0	0	0	0	0	0	0	0	0	0	6.72176E-10	0.0
788	571079.17,	0	0	0	0	0	0	0	0	0	0	1.78E-08	0.0	0	0	0	0	0	0	0	0	0	0	4.83428E-10	0.0
789	571119.17,	0	0	0	0	0	0	0	0	0	0	9.89E-08	0.1	0	0	0	0	0	0	0	0	0	0	2.69071E-09	0.0
790	571119.17,	0	0	0	0	0	0	0	0	0	0	7.76E-07	0.8	0	0	0	0	0	0	0	0	0	0	2.11158E-08	0.0
791	571119.17,	0	0	0	0	0	0	0	0	0	0	3.96E-08	0.0	0	0	0	0	0	0	0	0	0	0	1.07856E-09	0.0
792	571159.17,	0	0	0	0	0	0	0	0	0	0	8.61E-07	0.9	0	0	0	0	0	0	0	0	0	0	2.34345E-08	0.0
793	570808.82,	0	0	0	0	0	0	0	0	0	0	4.31E-08	0.0	0	0	0	0	0	0	0	0	0	0	1.17339E-09	0.0
794	570823.91,	0	0	0	0	0	0	0	0	0	0	1.21E-08	0.0	0	0	0	0	0	0	0	0	0	0	3.28743E-10	0.0
795	570883.31,	0	0	0	0	0	0	0	0	0	0	1.22E-08	0.0	0	0	0	0	0	0	0	0	0	0	3.31569E-10	0.0
796	571181.45,	0	0	0	0	0	0	0	0	0	0	3.04E-07	0.3	0	0	0	0	0	0	0	0	0	0	8.27058E-09	0.0
797	571067.83,	0	0	0	0	0	0	0	0	0	0	2.12E-08	0.0	0	0	0	0	0	0	0	0	0	0	5.76785E-10	0.0
798	570799.89,	0	0	0	0	0	0	0	0	0	0	1.93E-08	0.0	0	0	0	0	0	0	0	0	0	0	5.24349E-10	0.0

		Unmitigated Chronic Hazard											
#	X,Y	1	2	3	4	5	6	7	8	9	10	Total Chronic	Chronic Hazard
1	570310.55,	0	0	0	0	0	0	0	0	0	0	1.70635E-06	0.000114
2	570350.55,	0	0	0	0	0	0	0	0	0	0	1.89956E-06	0.000127
3	570390.55,	0	0	0	0	0	0	0	0	0	0	2.06849E-06	0.000138
4	570430.55,	0	0	0	0	0	0	0	0	0	0	2.18451E-06	0.000146
5	570470.55,	0	0	0	0	0	0	0	0	0	0	2.21714E-06	0.000148
6	570510.55,	0	0	0	0	0	0	0	0	0	0	2.22917E-06	0.000149
7	570550.55,	0	0	0	0	0	0	0	0	0	0	2.45719E-06	0.000164
8	570590.55,	0	0	0	0	0	0	0	0	0	0	2.51077E-06	0.000167
9	570630.55,	0	0	0	0	0	0	0	0	0	0	2.57077E-06	0.000171
10	570670.55,	0	0	0	0	0	0	0	0	0	0	2.79749E-06	0.000186
11	570710.55,	0	0	0	0	0	0	0	0	0	0	2.88134E-06	0.000192
12	570750.55,	0	0	0	0	0	0	0	0	0	0	3.0638E-06	0.000204
13	570790.55,	0	0	0	0	0	0	0	0	0	0	3.14149E-06	0.000209
14	570830.55,	0	0	0	0	0	0	0	0	0	0	3.16328E-06	0.000211
15	570870.55,	0	0	0	0	0	0	0	0	0	0	3.37285E-06	0.000225
16	570910.55,	0	0	0	0	0	0	0	0	0	0	3.11813E-06	0.000208
17	570950.55,	0	0	0	0	0	0	0	0	0	0	3.64025E-06	0.000243
18	570990.55,	0	0	0	0	0	0	0	0	0	0	3.56804E-06	0.000238
19	571030.55,	0	0	0	0	0	0	0	0	0	0	3.51429E-06	0.000234
20	571070.55,	0	0	0	0	0	0	0	0	0	0	3.52927E-06	0.000235
21	571110.55,	0	0	0	0	0	0	0	0	0	0	3.52831E-06	0.000235
22	571150.55,	0	0	0	0	0	0	0	0	0	0	3.64038E-06	0.000243
23	571190.55,	0	0	0	0	0	0	0	0	0	0	3.78023E-06	0.000252
24	571230.55,	0	0	0	0	0	0	0	0	0	0	4.02246E-06	0.000268
25	571270.55,	0	0	0	0	0	0	0	0	0	0	3.74168E-06	0.000249
26	571310.55,	0	0	0	0	0	0	0	0	0	0	3.96013E-06	0.000264
27	571350.55,	0	0	0	0	0	0	0	0	0	0	3.76906E-06	0.000251
28	571390.55,	0	0	0	0	0	0	0	0	0	0	3.91748E-06	0.000261
29	571430.55,	0	0	0	0	0	0	0	0	0	0	3.96027E-06	0.000264
30	571470.55,	0	0	0	0	0	0	0	0	0	0	3.95732E-06	0.000264
31	571510.55,	0	0	0	0	0	0	0	0	0	0	3.78497E-06	0.000252
32	571550.55,	0	0	0	0	0	0	0	0	0	0	3.67555E-06	0.000245
33	571590.55,	0	0	0	0	0	0	0	0	0	0	3.35815E-06	0.000224
34	570310.55,	0	0	0	0	0	0	0	0	0	0	1.79411E-06	0.00012
35	570350.55,	0	0	0	0	0	0	0	0	0	0	1.87874E-06	0.000125
36	570390.55,	0	0	0	0	0	0	0	0	0	0	2.00737E-06	0.000134
37	570430.55,	0	0	0	0	0	0	0	0	0	0	2.21486E-06	0.000148
38	570470.55,	0	0	0	0	0	0	0	0	0	0	2.4305E-06	0.000162
39	570510.55,	0	0	0	0	0	0	0	0	0	0	2.56604E-06	0.000171
40	570550.55,	0	0	0	0	0	0	0	0	0	0	2.58371E-06	0.000172
41	570590.55,	0	0	0	0	0	0	0	0	0	0	2.73028E-06	0.000182
42	570630.55,	0	0	0	0	0	0	0	0	0	0	2.91798E-06	0.000195
43	570670.55,	0	0	0	0	0	0	0	0	0	0	2.91893E-06	0.000195

44	570710.55,	0	0	0	0	0	0	0	0	0	0	3.24472E-06	0.000216
45	570750.55,	0	0	0	0	0	0	0	0	0	0	3.34894E-06	0.000223
46	570790.55,	0	0	0	0	0	0	0	0	0	0	3.57101E-06	0.000238
47	570830.55,	0	0	0	0	0	0	0	0	0	0	3.63173E-06	0.000242
48	570870.55,	0	0	0	0	0	0	0	0	0	0	3.78258E-06	0.000252
49	570910.55,	0	0	0	0	0	0	0	0	0	0	3.89613E-06	0.00026
50	570950.55,	0	0	0	0	0	0	0	0	0	0	4.05226E-06	0.00027
51	570990.55,	0	0	0	0	0	0	0	0	0	0	4.23741E-06	0.000282
52	571030.55,	0	0	0	0	0	0	0	0	0	0	4.04762E-06	0.00027
53	571070.55,	0	0	0	0	0	0	0	0	0	0	4.07621E-06	0.000272
54	571110.55,	0	0	0	0	0	0	0	0	0	0	4.01589E-06	0.000268
55	571150.55,	0	0	0	0	0	0	0	0	0	0	4.14702E-06	0.000276
56	571190.55,	0	0	0	0	0	0	0	0	0	0	4.49929E-06	0.0003
57	571230.55,	0	0	0	0	0	0	0	0	0	0	4.39401E-06	0.000293
58	571270.55,	0	0	0	0	0	0	0	0	0	0	4.46867E-06	0.000298
59	571310.55,	0	0	0	0	0	0	0	0	0	0	4.33445E-06	0.000289
60	571350.55,	0	0	0	0	0	0	0	0	0	0	4.50332E-06	0.0003
61	571390.55,	0	0	0	0	0	0	0	0	0	0	4.53995E-06	0.000303
62	571430.55,	0	0	0	0	0	0	0	0	0	0	4.55988E-06	0.000304
63	571470.55,	0	0	0	0	0	0	0	0	0	0	4.38047E-06	0.000292
64	571510.55,	0	0	0	0	0	0	0	0	0	0	4.24335E-06	0.000283
65	571550.55,	0	0	0	0	0	0	0	0	0	0	3.85056E-06	0.000257
66	571590.55,	0	0	0	0	0	0	0	0	0	0	3.95205E-06	0.000263
67	570310.55,	0	0	0	0	0	0	0	0	0	0	1.92031E-06	0.000128
68	570350.55,	0	0	0	0	0	0	0	0	0	0	2.00095E-06	0.000133
69	570390.55,	0	0	0	0	0	0	0	0	0	0	2.09245E-06	0.000139
70	570430.55,	0	0	0	0	0	0	0	0	0	0	2.24211E-06	0.000149
71	570470.55,	0	0	0	0	0	0	0	0	0	0	2.36753E-06	0.000158
72	570510.55,	0	0	0	0	0	0	0	0	0	0	2.63434E-06	0.000176
73	570550.55,	0	0	0	0	0	0	0	0	0	0	2.9073E-06	0.000194
74	570590.55,	0	0	0	0	0	0	0	0	0	0	3.06245E-06	0.000204
75	570630.55,	0	0	0	0	0	0	0	0	0	0	3.05716E-06	0.000204
76	570670.55,	0	0	0	0	0	0	0	0	0	0	3.37986E-06	0.000225
77	570710.55,	0	0	0	0	0	0	0	0	0	0	3.49031E-06	0.000233
78	570750.55,	0	0	0	0	0	0	0	0	0	0	3.80794E-06	0.000254
79	570790.55,	0	0	0	0	0	0	0	0	0	0	3.96243E-06	0.000264
80	570830.55,	0	0	0	0	0	0	0	0	0	0	4.27269E-06	0.000285
81	570870.55,	0	0	0	0	0	0	0	0	0	0	4.2743E-06	0.000285
82	570910.55,	0	0	0	0	0	0	0	0	0	0	4.63292E-06	0.000309
83	570950.55,	0	0	0	0	0	0	0	0	0	0	4.4185E-06	0.000295
84	570990.55,	0	0	0	0	0	0	0	0	0	0	5.02134E-06	0.000335
85	571030.55,	0	0	0	0	0	0	0	0	0	0	4.75741E-06	0.000317
86	571070.55,	0	0	0	0	0	0	0	0	0	0	4.81797E-06	0.000321
87	571110.55,	0	0	0	0	0	0	0	0	0	0	4.62042E-06	0.000308
88	571150.55,	0	0	0	0	0	0	0	0	0	0	4.80805E-06	0.000321
89	571190.55,	0	0	0	0	0	0	0	0	0	0	5.23771E-06	0.000349
90	571230.55,	0	0	0	0	0	0	0	0	0	0	5.07129E-06	0.000338

91	571270.55	0	0	0	0	0	0	0	0	0	0	5.11418E-06	0.000341
92	571310.55	0	0	0	0	0	0	0	0	0	0	5.21348E-06	0.000348
93	571350.55	0	0	0	0	0	0	0	0	0	0	5.32425E-06	0.000355
94	571390.55	0	0	0	0	0	0	0	0	0	0	5.38653E-06	0.000359
95	571430.55	0	0	0	0	0	0	0	0	0	0	5.18507E-06	0.000346
96	571470.55	0	0	0	0	0	0	0	0	0	0	4.99944E-06	0.000333
97	571510.55	0	0	0	0	0	0	0	0	0	0	4.64107E-06	0.000309
98	571550.55	0	0	0	0	0	0	0	0	0	0	4.76676E-06	0.000318
99	571590.55	0	0	0	0	0	0	0	0	0	0	4.69481E-06	0.000313
100	570310.55	0	0	0	0	0	0	0	0	0	0	1.92182E-06	0.000128
101	570350.55	0	0	0	0	0	0	0	0	0	0	2.12485E-06	0.000142
102	570390.55	0	0	0	0	0	0	0	0	0	0	2.25576E-06	0.00015
103	570430.55	0	0	0	0	0	0	0	0	0	0	2.35663E-06	0.000157
104	570470.55	0	0	0	0	0	0	0	0	0	0	2.52883E-06	0.000169
105	570510.55	0	0	0	0	0	0	0	0	0	0	2.67023E-06	0.000178
106	570550.55	0	0	0	0	0	0	0	0	0	0	2.76345E-06	0.000184
107	570590.55	0	0	0	0	0	0	0	0	0	0	3.19843E-06	0.000213
108	570630.55	0	0	0	0	0	0	0	0	0	0	3.55606E-06	0.000237
109	570670.55	0	0	0	0	0	0	0	0	0	0	3.75251E-06	0.00025
110	570710.55	0	0	0	0	0	0	0	0	0	0	3.89552E-06	0.00026
111	570750.55	0	0	0	0	0	0	0	0	0	0	4.24689E-06	0.000283
112	570790.55	0	0	0	0	0	0	0	0	0	0	4.53844E-06	0.000303
113	570830.55	0	0	0	0	0	0	0	0	0	0	4.80747E-06	0.00032
114	570870.55	0	0	0	0	0	0	0	0	0	0	5.24172E-06	0.000349
115	570910.55	0	0	0	0	0	0	0	0	0	0	5.20956E-06	0.000347
116	570950.55	0	0	0	0	0	0	0	0	0	0	5.71077E-06	0.000381
117	570990.55	0	0	0	0	0	0	0	0	0	0	5.85837E-06	0.000391
118	571030.55	0	0	0	0	0	0	0	0	0	0	5.77663E-06	0.000385
119	571070.55	0	0	0	0	0	0	0	0	0	0	5.81733E-06	0.000388
120	571110.55	0	0	0	0	0	0	0	0	0	0	5.46466E-06	0.000364
121	571150.55	0	0	0	0	0	0	0	0	0	0	6.06704E-06	0.000404
122	571190.55	0	0	0	0	0	0	0	0	0	0	5.99285E-06	0.0004
123	571230.55	0	0	0	0	0	0	0	0	0	0	6.14968E-06	0.00041
124	571270.55	0	0	0	0	0	0	0	0	0	0	6.22951E-06	0.000415
125	571310.55	0	0	0	0	0	0	0	0	0	0	6.43351E-06	0.000429
126	571350.55	0	0	0	0	0	0	0	0	0	0	6.54548E-06	0.000436
127	571390.55	0	0	0	0	0	0	0	0	0	0	6.33378E-06	0.000422
128	571430.55	0	0	0	0	0	0	0	0	0	0	6.06132E-06	0.000404
129	571470.55	0	0	0	0	0	0	0	0	0	0	5.81763E-06	0.000388
130	571510.55	0	0	0	0	0	0	0	0	0	0	5.77811E-06	0.000385
131	571550.55	0	0	0	0	0	0	0	0	0	0	5.50265E-06	0.000367
132	571590.55	0	0	0	0	0	0	0	0	0	0	5.02967E-06	0.000335
133	570310.55	0	0	0	0	0	0	0	0	0	0	2.18494E-06	0.000146
134	570350.55	0	0	0	0	0	0	0	0	0	0	2.21365E-06	0.000148
135	570390.55	0	0	0	0	0	0	0	0	0	0	2.3618E-06	0.000157
136	570430.55	0	0	0	0	0	0	0	0	0	0	2.56319E-06	0.000171
137	570470.55	0	0	0	0	0	0	0	0	0	0	2.67222E-06	0.000178

138	570510.55	0	0	0	0	0	0	0	0	0	0	2.8849E-06	0.000192
139	570550.55	0	0	0	0	0	0	0	0	0	0	3.04483E-06	0.000203
140	570590.55	0	0	0	0	0	0	0	0	0	0	3.04589E-06	0.000203
141	570630.55	0	0	0	0	0	0	0	0	0	0	3.38855E-06	0.000226
142	570670.55	0	0	0	0	0	0	0	0	0	0	3.9979E-06	0.000267
143	570710.55	0	0	0	0	0	0	0	0	0	0	4.51392E-06	0.000301
144	570750.55	0	0	0	0	0	0	0	0	0	0	4.78668E-06	0.000319
145	570790.55	0	0	0	0	0	0	0	0	0	0	5.18453E-06	0.000346
146	570830.55	0	0	0	0	0	0	0	0	0	0	5.53545E-06	0.000369
147	570870.55	0	0	0	0	0	0	0	0	0	0	6.10672E-06	0.000407
148	570910.55	0	0	0	0	0	0	0	0	0	0	6.63508E-06	0.000442
149	570950.55	0	0	0	0	0	0	0	0	0	0	6.89122E-06	0.000459
150	570990.55	0	0	0	0	0	0	0	0	0	0	7.06941E-06	0.000471
151	571030.55	0	0	0	0	0	0	0	0	0	0	7.57016E-06	0.000505
152	571070.55	0	0	0	0	0	0	0	0	0	0	7.29764E-06	0.000487
153	571110.55	0	0	0	0	0	0	0	0	0	0	6.95511E-06	0.000464
154	571150.55	0	0	0	0	0	0	0	0	0	0	7.6619E-06	0.000511
155	571190.55	0	0	0	0	0	0	0	0	0	0	7.66351E-06	0.000511
156	571230.55	0	0	0	0	0	0	0	0	0	0	7.81921E-06	0.000521
157	571270.55	0	0	0	0	0	0	0	0	0	0	8.16142E-06	0.000544
158	571310.55	0	0	0	0	0	0	0	0	0	0	8.31491E-06	0.000554
159	571350.55	0	0	0	0	0	0	0	0	0	0	8.03436E-06	0.000536
160	571390.55	0	0	0	0	0	0	0	0	0	0	7.59237E-06	0.000506
161	571430.55	0	0	0	0	0	0	0	0	0	0	7.38243E-06	0.000492
162	571470.55	0	0	0	0	0	0	0	0	0	0	7.06108E-06	0.000471
163	571510.55	0	0	0	0	0	0	0	0	0	0	6.49529E-06	0.000433
164	571550.55	0	0	0	0	0	0	0	0	0	0	5.79651E-06	0.000386
165	571590.55	0	0	0	0	0	0	0	0	0	0	5.21924E-06	0.000348
166	570310.55	0	0	0	0	0	0	0	0	0	0	2.15839E-06	0.000144
167	570350.55	0	0	0	0	0	0	0	0	0	0	2.43893E-06	0.000163
168	570390.55	0	0	0	0	0	0	0	0	0	0	2.57142E-06	0.000171
169	570430.55	0	0	0	0	0	0	0	0	0	0	2.6467E-06	0.000176
170	570470.55	0	0	0	0	0	0	0	0	0	0	2.93953E-06	0.000196
171	570510.55	0	0	0	0	0	0	0	0	0	0	3.0702E-06	0.000205
172	570550.55	0	0	0	0	0	0	0	0	0	0	3.34011E-06	0.000223
173	570590.55	0	0	0	0	0	0	0	0	0	0	3.51556E-06	0.000234
174	570630.55	0	0	0	0	0	0	0	0	0	0	3.62258E-06	0.000242
175	570670.55	0	0	0	0	0	0	0	0	0	0	3.94515E-06	0.000263
176	570710.55	0	0	0	0	0	0	0	0	0	0	4.30672E-06	0.000287
177	570750.55	0	0	0	0	0	0	0	0	0	0	5.25172E-06	0.00035
178	570790.55	0	0	0	0	0	0	0	0	0	0	6.04229E-06	0.000403
179	570830.55	0	0	0	0	0	0	0	0	0	0	6.44676E-06	0.00043
180	570870.55	0	0	0	0	0	0	0	0	0	0	7.0961E-06	0.000473
181	570910.55	0	0	0	0	0	0	0	0	0	0	8.07615E-06	0.000538
182	570950.55	0	0	0	0	0	0	0	0	0	0	8.78167E-06	0.000585
183	570990.55	0	0	0	0	0	0	0	0	0	0	9.51975E-06	0.000635
184	571030.55	0	0	0	0	0	0	0	0	0	0	1.00441E-05	0.00067

185	571070.55	0	0	0	0	0	0	0	0	0	0	9.77555E-06	0.000652
186	571110.55	0	0	0	0	0	0	0	0	0	0	9.82568E-06	0.000655
187	571150.55	0	0	0	0	0	0	0	0	0	0	1.01533E-05	0.000677
188	571190.55	0	0	0	0	0	0	0	0	0	0	1.06914E-05	0.000713
189	571230.55	0	0	0	0	0	0	0	0	0	0	1.1222E-05	0.000748
190	571270.55	0	0	0	0	0	0	0	0	0	0	1.12849E-05	0.000752
191	571310.55	0	0	0	0	0	0	0	0	0	0	1.07911E-05	0.000719
192	571350.55	0	0	0	0	0	0	0	0	0	0	9.98331E-06	0.000666
193	571390.55	0	0	0	0	0	0	0	0	0	0	9.57443E-06	0.000638
194	571430.55	0	0	0	0	0	0	0	0	0	0	8.79434E-06	0.000586
195	571470.55	0	0	0	0	0	0	0	0	0	0	7.72994E-06	0.000515
196	571510.55	0	0	0	0	0	0	0	0	0	0	6.85453E-06	0.000457
197	571550.55	0	0	0	0	0	0	0	0	0	0	6.05243E-06	0.000403
198	571590.55	0	0	0	0	0	0	0	0	0	0	5.30208E-06	0.000353
199	570310.55	0	0	0	0	0	0	0	0	0	0	2.48053E-06	0.000165
200	570350.55	0	0	0	0	0	0	0	0	0	0	2.56197E-06	0.000171
201	570390.55	0	0	0	0	0	0	0	0	0	0	2.69352E-06	0.00018
202	570430.55	0	0	0	0	0	0	0	0	0	0	2.97833E-06	0.000199
203	570470.55	0	0	0	0	0	0	0	0	0	0	3.02572E-06	0.000202
204	570510.55	0	0	0	0	0	0	0	0	0	0	3.40921E-06	0.000227
205	570550.55	0	0	0	0	0	0	0	0	0	0	3.59162E-06	0.000239
206	570590.55	0	0	0	0	0	0	0	0	0	0	3.93132E-06	0.000262
207	570630.55	0	0	0	0	0	0	0	0	0	0	4.11864E-06	0.000275
208	570670.55	0	0	0	0	0	0	0	0	0	0	4.37067E-06	0.000291
209	570710.55	0	0	0	0	0	0	0	0	0	0	4.6232E-06	0.000308
210	570750.55	0	0	0	0	0	0	0	0	0	0	5.11028E-06	0.000341
211	570790.55	0	0	0	0	0	0	0	0	0	0	5.83029E-06	0.000389
212	570830.55	0	0	0	0	0	0	0	0	0	0	7.46559E-06	0.000498
213	570870.55	0	0	0	0	0	0	0	0	0	0	8.83747E-06	0.000589
214	570910.55	0	0	0	0	0	0	0	0	0	0	9.70541E-06	0.000647
215	570950.55	0	0	0	0	0	0	0	0	0	0	1.13694E-05	0.000758
216	570990.55	0	0	0	0	0	0	0	0	0	0	1.28634E-05	0.000858
217	571030.55	0	0	0	0	0	0	0	0	0	0	1.49468E-05	0.000996
218	571070.55	0	0	0	0	0	0	0	0	0	0	1.53095E-05	0.001021
219	571110.55	0	0	0	0	0	0	0	0	0	0	1.59862E-05	0.001066
220	571150.55	0	0	0	0	0	0	0	0	0	0	1.72985E-05	0.001153
221	571190.55	0	0	0	0	0	0	0	0	0	0	1.78608E-05	0.001191
222	571230.55	0	0	0	0	0	0	0	0	0	0	1.70661E-05	0.001138
223	571270.55	0	0	0	0	0	0	0	0	0	0	1.57569E-05	0.00105
224	571310.55	0	0	0	0	0	0	0	0	0	0	1.4187E-05	0.000946
225	571350.55	0	0	0	0	0	0	0	0	0	0	1.29255E-05	0.000862
226	571390.55	0	0	0	0	0	0	0	0	0	0	1.12858E-05	0.000752
227	571430.55	0	0	0	0	0	0	0	0	0	0	9.65499E-06	0.000644
228	571470.55	0	0	0	0	0	0	0	0	0	0	8.26619E-06	0.000551
229	571510.55	0	0	0	0	0	0	0	0	0	0	7.03965E-06	0.000469
230	571550.55	0	0	0	0	0	0	0	0	0	0	6.18133E-06	0.000412
231	571590.55	0	0	0	0	0	0	0	0	0	0	5.42522E-06	0.000362

232	570310.55	0	0	0	0	0	0	0	0	0	0	2.45601E-06	0.000164
233	570350.55	0	0	0	0	0	0	0	0	0	0	2.77406E-06	0.000185
234	570390.55	0	0	0	0	0	0	0	0	0	0	3.00764E-06	0.000201
235	570430.55	0	0	0	0	0	0	0	0	0	0	3.10199E-06	0.000207
236	570470.55	0	0	0	0	0	0	0	0	0	0	3.42334E-06	0.000228
237	570510.55	0	0	0	0	0	0	0	0	0	0	3.67072E-06	0.000245
238	570550.55	0	0	0	0	0	0	0	0	0	0	4.0023E-06	0.000267
239	570590.55	0	0	0	0	0	0	0	0	0	0	4.28393E-06	0.000286
240	570630.55	0	0	0	0	0	0	0	0	0	0	4.72506E-06	0.000315
241	570670.55	0	0	0	0	0	0	0	0	0	0	4.92101E-06	0.000328
242	570710.55	0	0	0	0	0	0	0	0	0	0	5.39724E-06	0.00036
243	570750.55	0	0	0	0	0	0	0	0	0	0	5.39377E-06	0.00036
244	570790.55	0	0	0	0	0	0	0	0	0	0	6.26098E-06	0.000417
245	570830.55	0	0	0	0	0	0	0	0	0	0	7.2507E-06	0.000483
246	570870.55	0	0	0	0	0	0	0	0	0	0	8.94604E-06	0.000596
247	570910.55	0	0	0	0	0	0	0	0	0	0	1.25278E-05	0.000835
248	570950.55	0	0	0	0	0	0	0	0	0	0	1.52804E-05	0.001019
249	570990.55	0	0	0	0	0	0	0	0	0	0	1.93534E-05	0.00129
250	571030.55	0	0	0	0	0	0	0	0	0	0	2.81709E-05	0.001878
251	571070.55	0	0	0	0	0	0	0	0	0	0	3.92312E-05	0.002615
252	571110.55	0	0	0	0	0	0	0	0	0	0	4.62977E-05	0.003087
253	571150.55	0	0	0	0	0	0	0	0	0	0	3.88252E-05	0.002588
254	571190.55	0	0	0	0	0	0	0	0	0	0	3.17208E-05	0.002115
255	571230.55	0	0	0	0	0	0	0	0	0	0	2.64894E-05	0.001766
256	571270.55	0	0	0	0	0	0	0	0	0	0	2.23504E-05	0.00149
257	571310.55	0	0	0	0	0	0	0	0	0	0	1.89581E-05	0.001264
258	571350.55	0	0	0	0	0	0	0	0	0	0	1.55005E-05	0.001033
259	571390.55	0	0	0	0	0	0	0	0	0	0	1.26281E-05	0.000842
260	571430.55	0	0	0	0	0	0	0	0	0	0	1.03093E-05	0.000687
261	571470.55	0	0	0	0	0	0	0	0	0	0	8.64299E-06	0.000576
262	571510.55	0	0	0	0	0	0	0	0	0	0	7.27658E-06	0.000485
263	571550.55	0	0	0	0	0	0	0	0	0	0	6.1978E-06	0.000413
264	571590.55	0	0	0	0	0	0	0	0	0	0	5.31557E-06	0.000354
265	570310.55	0	0	0	0	0	0	0	0	0	0	2.21137E-06	0.000147
266	570350.55	0	0	0	0	0	0	0	0	0	0	2.5265E-06	0.000168
267	570390.55	0	0	0	0	0	0	0	0	0	0	2.99943E-06	0.0002
268	570430.55	0	0	0	0	0	0	0	0	0	0	3.43837E-06	0.000229
269	570470.55	0	0	0	0	0	0	0	0	0	0	3.76058E-06	0.000251
270	570510.55	0	0	0	0	0	0	0	0	0	0	3.87946E-06	0.000259
271	570550.55	0	0	0	0	0	0	0	0	0	0	4.44183E-06	0.000296
272	570590.55	0	0	0	0	0	0	0	0	0	0	4.75507E-06	0.000317
273	570630.55	0	0	0	0	0	0	0	0	0	0	5.31266E-06	0.000354
274	570670.55	0	0	0	0	0	0	0	0	0	0	5.8325E-06	0.000389
275	570710.55	0	0	0	0	0	0	0	0	0	0	6.05003E-06	0.000403
276	570750.55	0	0	0	0	0	0	0	0	0	0	6.76356E-06	0.000451
277	570790.55	0	0	0	0	0	0	0	0	0	0	7.23377E-06	0.000482
278	570830.55	0	0	0	0	0	0	0	0	0	0	7.44282E-06	0.000496

279	570870.55,	0	0	0	0	0	0	0	0	0	0	9.07779E-06	0.000605
280	570910.55,	0	0	0	0	0	0	0	0	0	0	1.19758E-05	0.000798
281	570950.55,	0	0	0	0	0	0	0	0	0	0	1.87676E-05	0.001251
282	570990.55,	0	0	0	0	0	0	0	0	0	0	3.90404E-05	0.002603
283	571030.55,	0	0	0	0	0	0	0	0	0	0	6.54966E-05	0.004366
284	571110.55,	0	0	0	0	0	0	0	0	0	0	0.000342118	0.022808
285	571150.55,	0	0	0	0	0	0	0	0	0	0	0.000106743	0.007116
286	571190.55,	0	0	0	0	0	0	0	0	0	0	6.24695E-05	0.004165
287	571230.55,	0	0	0	0	0	0	0	0	0	0	4.4067E-05	0.002938
288	571270.55,	0	0	0	0	0	0	0	0	0	0	3.25054E-05	0.002167
289	571310.55,	0	0	0	0	0	0	0	0	0	0	2.37614E-05	0.001584
290	571350.55,	0	0	0	0	0	0	0	0	0	0	1.77303E-05	0.001182
291	571390.55,	0	0	0	0	0	0	0	0	0	0	1.36805E-05	0.000912
292	571430.55,	0	0	0	0	0	0	0	0	0	0	1.08604E-05	0.000724
293	571470.55,	0	0	0	0	0	0	0	0	0	0	8.90946E-06	0.000594
294	571510.55,	0	0	0	0	0	0	0	0	0	0	7.56294E-06	0.000504
295	571550.55,	0	0	0	0	0	0	0	0	0	0	6.5243E-06	0.000435
296	571590.55,	0	0	0	0	0	0	0	0	0	0	5.65668E-06	0.000377
297	570310.55,	0	0	0	0	0	0	0	0	0	0	2.3208E-06	0.000155
298	570350.55,	0	0	0	0	0	0	0	0	0	0	2.55237E-06	0.00017
299	570390.55,	0	0	0	0	0	0	0	0	0	0	2.76073E-06	0.000184
300	570430.55,	0	0	0	0	0	0	0	0	0	0	3.10433E-06	0.000207
301	570470.55,	0	0	0	0	0	0	0	0	0	0	3.77704E-06	0.000252
302	570510.55,	0	0	0	0	0	0	0	0	0	0	4.42095E-06	0.000295
303	570550.55,	0	0	0	0	0	0	0	0	0	0	4.91142E-06	0.000327
304	570590.55,	0	0	0	0	0	0	0	0	0	0	5.31419E-06	0.000354
305	570630.55,	0	0	0	0	0	0	0	0	0	0	5.94026E-06	0.000396
306	570670.55,	0	0	0	0	0	0	0	0	0	0	6.77384E-06	0.000452
307	570710.55,	0	0	0	0	0	0	0	0	0	0	7.48112E-06	0.000499
308	570750.55,	0	0	0	0	0	0	0	0	0	0	7.91577E-06	0.000528
309	570790.55,	0	0	0	0	0	0	0	0	0	0	8.4434E-06	0.000563
310	570830.55,	0	0	0	0	0	0	0	0	0	0	9.24413E-06	0.000616
311	570870.55,	0	0	0	0	0	0	0	0	0	0	9.95729E-06	0.000664
312	570910.55,	0	0	0	0	0	0	0	0	0	0	1.27727E-05	0.000852
313	570950.55,	0	0	0	0	0	0	0	0	0	0	1.85262E-05	0.001235
314	571150.55,	0	0	0	0	0	0	0	0	0	0	0.000873757	0.05825
315	571190.55,	0	0	0	0	0	0	0	0	0	0	0.00014141	0.009427
316	571230.55,	0	0	0	0	0	0	0	0	0	0	7.11406E-05	0.004743
317	571270.55,	0	0	0	0	0	0	0	0	0	0	4.09428E-05	0.00273
318	571310.55,	0	0	0	0	0	0	0	0	0	0	2.70362E-05	0.001802
319	571350.55,	0	0	0	0	0	0	0	0	0	0	1.95709E-05	0.001305
320	571390.55,	0	0	0	0	0	0	0	0	0	0	1.49261E-05	0.000995
321	571430.55,	0	0	0	0	0	0	0	0	0	0	1.1767E-05	0.000784
322	571470.55,	0	0	0	0	0	0	0	0	0	0	9.61109E-06	0.000641
323	571510.55,	0	0	0	0	0	0	0	0	0	0	7.97571E-06	0.000532
324	571550.55,	0	0	0	0	0	0	0	0	0	0	6.73508E-06	0.000449
325	571590.55,	0	0	0	0	0	0	0	0	0	0	5.80134E-06	0.000387

326	570310.55	0	0	0	0	0	0	0	0	0	0	2.14901E-06	0.000143
327	570350.55	0	0	0	0	0	0	0	0	0	0	2.38979E-06	0.000159
328	570390.55	0	0	0	0	0	0	0	0	0	0	2.76202E-06	0.000184
329	570430.55	0	0	0	0	0	0	0	0	0	0	3.15216E-06	0.00021
330	570470.55	0	0	0	0	0	0	0	0	0	0	3.54219E-06	0.000236
331	570510.55	0	0	0	0	0	0	0	0	0	0	3.94472E-06	0.000263
332	570550.55	0	0	0	0	0	0	0	0	0	0	4.96683E-06	0.000331
333	570590.55	0	0	0	0	0	0	0	0	0	0	6.0099E-06	0.000401
334	570630.55	0	0	0	0	0	0	0	0	0	0	6.86444E-06	0.000458
335	570670.55	0	0	0	0	0	0	0	0	0	0	7.7558E-06	0.000517
336	570710.55	0	0	0	0	0	0	0	0	0	0	9.00167E-06	0.0006
337	570750.55	0	0	0	0	0	0	0	0	0	0	1.01313E-05	0.000675
338	570790.55	0	0	0	0	0	0	0	0	0	0	1.11862E-05	0.000746
339	570830.55	0	0	0	0	0	0	0	0	0	0	1.19676E-05	0.000798
340	570870.55	0	0	0	0	0	0	0	0	0	0	1.18933E-05	0.000793
341	570910.55	0	0	0	0	0	0	0	0	0	0	1.28747E-05	0.000858
342	571190.55	0	0	0	0	0	0	0	0	0	0	0.000217951	0.01453
343	571230.55	0	0	0	0	0	0	0	0	0	0	7.92896E-05	0.005286
344	571270.55	0	0	0	0	0	0	0	0	0	0	4.41165E-05	0.002941
345	571310.55	0	0	0	0	0	0	0	0	0	0	2.80727E-05	0.001872
346	571350.55	0	0	0	0	0	0	0	0	0	0	1.99645E-05	0.001331
347	571390.55	0	0	0	0	0	0	0	0	0	0	1.50989E-05	0.001007
348	571430.55	0	0	0	0	0	0	0	0	0	0	1.18961E-05	0.000793
349	571470.55	0	0	0	0	0	0	0	0	0	0	9.65075E-06	0.000643
350	571510.55	0	0	0	0	0	0	0	0	0	0	8.01298E-06	0.000534
351	571550.55	0	0	0	0	0	0	0	0	0	0	6.77647E-06	0.000452
352	571590.55	0	0	0	0	0	0	0	0	0	0	5.80111E-06	0.000387
353	570310.55	0	0	0	0	0	0	0	0	0	0	2.23411E-06	0.000149
354	570350.55	0	0	0	0	0	0	0	0	0	0	2.44969E-06	0.000163
355	570390.55	0	0	0	0	0	0	0	0	0	0	2.68108E-06	0.000179
356	570430.55	0	0	0	0	0	0	0	0	0	0	2.93244E-06	0.000195
357	570470.55	0	0	0	0	0	0	0	0	0	0	3.3105E-06	0.000221
358	570510.55	0	0	0	0	0	0	0	0	0	0	3.95739E-06	0.000264
359	570550.55	0	0	0	0	0	0	0	0	0	0	4.6859E-06	0.000312
360	570590.55	0	0	0	0	0	0	0	0	0	0	5.48726E-06	0.000366
361	570630.55	0	0	0	0	0	0	0	0	0	0	7.00244E-06	0.000467
362	570670.55	0	0	0	0	0	0	0	0	0	0	8.96786E-06	0.000598
363	570710.55	0	0	0	0	0	0	0	0	0	0	1.09726E-05	0.000732
364	570750.55	0	0	0	0	0	0	0	0	0	0	1.32887E-05	0.000886
365	570790.55	0	0	0	0	0	0	0	0	0	0	1.56111E-05	0.001041
366	570830.55	0	0	0	0	0	0	0	0	0	0	1.76973E-05	0.00118
367	570870.55	0	0	0	0	0	0	0	0	0	0	1.72184E-05	0.001148
368	571150.55	0	0	0	0	0	0	0	0	0	0	0.000148028	0.009869
369	571190.55	0	0	0	0	0	0	0	0	0	0	8.11552E-05	0.00541
370	571230.55	0	0	0	0	0	0	0	0	0	0	5.16863E-05	0.003446
371	571270.55	0	0	0	0	0	0	0	0	0	0	3.51797E-05	0.002345
372	571310.55	0	0	0	0	0	0	0	0	0	0	2.59872E-05	0.001732

373	571350.55	0	0	0	0	0	0	0	0	0	0	1.97109E-05	0.001314
374	571390.55	0	0	0	0	0	0	0	0	0	0	1.50355E-05	0.001002
375	571430.55	0	0	0	0	0	0	0	0	0	0	1.15549E-05	0.00077
376	571470.55	0	0	0	0	0	0	0	0	0	0	9.3389E-06	0.000623
377	571510.55	0	0	0	0	0	0	0	0	0	0	7.83425E-06	0.000522
378	571550.55	0	0	0	0	0	0	0	0	0	0	6.64172E-06	0.000443
379	571590.55	0	0	0	0	0	0	0	0	0	0	5.68278E-06	0.000379
380	570310.55	0	0	0	0	0	0	0	0	0	0	2.28219E-06	0.000152
381	570350.55	0	0	0	0	0	0	0	0	0	0	2.47283E-06	0.000165
382	570390.55	0	0	0	0	0	0	0	0	0	0	2.73529E-06	0.000182
383	570430.55	0	0	0	0	0	0	0	0	0	0	3.03785E-06	0.000203
384	570470.55	0	0	0	0	0	0	0	0	0	0	3.39629E-06	0.000226
385	570510.55	0	0	0	0	0	0	0	0	0	0	3.87093E-06	0.000258
386	570550.55	0	0	0	0	0	0	0	0	0	0	4.47143E-06	0.000298
387	570590.55	0	0	0	0	0	0	0	0	0	0	5.20751E-06	0.000347
388	570630.55	0	0	0	0	0	0	0	0	0	0	6.48699E-06	0.000432
389	570670.55	0	0	0	0	0	0	0	0	0	0	8.364E-06	0.000558
390	570710.55	0	0	0	0	0	0	0	0	0	0	1.13872E-05	0.000759
391	570750.55	0	0	0	0	0	0	0	0	0	0	1.65902E-05	0.001106
392	570790.55	0	0	0	0	0	0	0	0	0	0	2.48484E-05	0.001657
393	570830.55	0	0	0	0	0	0	0	0	0	0	4.1272E-05	0.002751
394	571110.55	0	0	0	0	0	0	0	0	0	0	4.04902E-05	0.002699
395	571150.55	0	0	0	0	0	0	0	0	0	0	4.22909E-05	0.002819
396	571190.55	0	0	0	0	0	0	0	0	0	0	3.91051E-05	0.002607
397	571230.55	0	0	0	0	0	0	0	0	0	0	3.11594E-05	0.002077
398	571270.55	0	0	0	0	0	0	0	0	0	0	2.37845E-05	0.001586
399	571310.55	0	0	0	0	0	0	0	0	0	0	1.94213E-05	0.001295
400	571350.55	0	0	0	0	0	0	0	0	0	0	1.63511E-05	0.00109
401	571390.55	0	0	0	0	0	0	0	0	0	0	1.39388E-05	0.000929
402	571430.55	0	0	0	0	0	0	0	0	0	0	1.17502E-05	0.000783
403	571470.55	0	0	0	0	0	0	0	0	0	0	9.75771E-06	0.000651
404	571510.55	0	0	0	0	0	0	0	0	0	0	8.03422E-06	0.000536
405	571550.55	0	0	0	0	0	0	0	0	0	0	6.57613E-06	0.000438
406	571590.55	0	0	0	0	0	0	0	0	0	0	5.41504E-06	0.000361
407	570310.55	0	0	0	0	0	0	0	0	0	0	2.4341E-06	0.000162
408	570350.55	0	0	0	0	0	0	0	0	0	0	2.65188E-06	0.000177
409	570390.55	0	0	0	0	0	0	0	0	0	0	2.91199E-06	0.000194
410	570430.55	0	0	0	0	0	0	0	0	0	0	3.22128E-06	0.000215
411	570470.55	0	0	0	0	0	0	0	0	0	0	3.59136E-06	0.000239
412	570510.55	0	0	0	0	0	0	0	0	0	0	4.05597E-06	0.00027
413	570550.55	0	0	0	0	0	0	0	0	0	0	4.64751E-06	0.00031
414	570590.55	0	0	0	0	0	0	0	0	0	0	5.4332E-06	0.000362
415	570630.55	0	0	0	0	0	0	0	0	0	0	6.53517E-06	0.000436
416	570670.55	0	0	0	0	0	0	0	0	0	0	8.18896E-06	0.000546
417	570710.55	0	0	0	0	0	0	0	0	0	0	1.09427E-05	0.00073
418	570750.55	0	0	0	0	0	0	0	0	0	0	1.63621E-05	0.001091
419	570790.55	0	0	0	0	0	0	0	0	0	0	3.3317E-05	0.002221

420	571070.55	0	0	0	0	0	0	0	0	0	0	3.71586E-05	0.002477
421	571110.55	0	0	0	0	0	0	0	0	0	0	3.23875E-05	0.002159
422	571150.55	0	0	0	0	0	0	0	0	0	0	2.80558E-05	0.00187
423	571190.55	0	0	0	0	0	0	0	0	0	0	2.47209E-05	0.001648
424	571230.55	0	0	0	0	0	0	0	0	0	0	2.28097E-05	0.001521
425	571270.55	0	0	0	0	0	0	0	0	0	0	1.87646E-05	0.001251
426	571310.55	0	0	0	0	0	0	0	0	0	0	1.61172E-05	0.001074
427	571350.55	0	0	0	0	0	0	0	0	0	0	1.35498E-05	0.000903
428	571390.55	0	0	0	0	0	0	0	0	0	0	1.06928E-05	0.000713
429	571430.55	0	0	0	0	0	0	0	0	0	0	9.88496E-06	0.000659
430	571470.55	0	0	0	0	0	0	0	0	0	0	9.03722E-06	0.000602
431	571510.55	0	0	0	0	0	0	0	0	0	0	8.10936E-06	0.000541
432	571550.55	0	0	0	0	0	0	0	0	0	0	7.11056E-06	0.000474
433	571590.55	0	0	0	0	0	0	0	0	0	0	6.11557E-06	0.000408
434	570310.55	0	0	0	0	0	0	0	0	0	0	2.34178E-06	0.000156
435	570350.55	0	0	0	0	0	0	0	0	0	0	2.55481E-06	0.00017
436	570390.55	0	0	0	0	0	0	0	0	0	0	2.78933E-06	0.000186
437	570430.55	0	0	0	0	0	0	0	0	0	0	3.06534E-06	0.000204
438	570470.55	0	0	0	0	0	0	0	0	0	0	3.42811E-06	0.000229
439	570510.55	0	0	0	0	0	0	0	0	0	0	3.9026E-06	0.00026
440	570550.55	0	0	0	0	0	0	0	0	0	0	4.5131E-06	0.000301
441	570590.55	0	0	0	0	0	0	0	0	0	0	5.29248E-06	0.000353
442	570630.55	0	0	0	0	0	0	0	0	0	0	6.35908E-06	0.000424
443	570670.55	0	0	0	0	0	0	0	0	0	0	7.91531E-06	0.000528
444	570710.55	0	0	0	0	0	0	0	0	0	0	1.05821E-05	0.000705
445	570750.55	0	0	0	0	0	0	0	0	0	0	1.6778E-05	0.001119
446	570790.55	0	0	0	0	0	0	0	0	0	0	3.68425E-05	0.002456
447	571030.55	0	0	0	0	0	0	0	0	0	0	6.96984E-05	0.004647
448	571070.55	0	0	0	0	0	0	0	0	0	0	4.18676E-05	0.002791
449	571110.55	0	0	0	0	0	0	0	0	0	0	3.06611E-05	0.002044
450	571150.55	0	0	0	0	0	0	0	0	0	0	2.43592E-05	0.001624
451	571190.55	0	0	0	0	0	0	0	0	0	0	2.08705E-05	0.001391
452	571230.55	0	0	0	0	0	0	0	0	0	0	1.72884E-05	0.001153
453	571270.55	0	0	0	0	0	0	0	0	0	0	1.64143E-05	0.001094
454	571310.55	0	0	0	0	0	0	0	0	0	0	1.37961E-05	0.00092
455	571350.55	0	0	0	0	0	0	0	0	0	0	1.22406E-05	0.000816
456	571390.55	0	0	0	0	0	0	0	0	0	0	1.06746E-05	0.000712
457	571430.55	0	0	0	0	0	0	0	0	0	0	8.7509E-06	0.000583
458	571470.55	0	0	0	0	0	0	0	0	0	0	6.84372E-06	0.000456
459	571510.55	0	0	0	0	0	0	0	0	0	0	6.66333E-06	0.000444
460	571550.55	0	0	0	0	0	0	0	0	0	0	6.36685E-06	0.000424
461	571590.55	0	0	0	0	0	0	0	0	0	0	5.94507E-06	0.000396
462	570310.55	0	0	0	0	0	0	0	0	0	0	2.36017E-06	0.000157
463	570350.55	0	0	0	0	0	0	0	0	0	0	2.55404E-06	0.00017
464	570390.55	0	0	0	0	0	0	0	0	0	0	2.76712E-06	0.000184
465	570430.55	0	0	0	0	0	0	0	0	0	0	3.04833E-06	0.000203
466	570470.55	0	0	0	0	0	0	0	0	0	0	3.38652E-06	0.000226

467	570510.55,	0	0	0	0	0	0	0	0	0	0	3.8462E-06	0.000256
468	570550.55,	0	0	0	0	0	0	0	0	0	0	4.47861E-06	0.000299
469	570590.55,	0	0	0	0	0	0	0	0	0	0	5.30463E-06	0.000354
470	570630.55,	0	0	0	0	0	0	0	0	0	0	6.42912E-06	0.000429
471	570670.55,	0	0	0	0	0	0	0	0	0	0	8.26094E-06	0.000551
472	570710.55,	0	0	0	0	0	0	0	0	0	0	1.1025E-05	0.000735
473	570750.55,	0	0	0	0	0	0	0	0	0	0	1.60839E-05	0.001072
474	570790.55,	0	0	0	0	0	0	0	0	0	0	2.11702E-05	0.001411
475	570990.55,	0	0	0	0	0	0	0	0	0	0	0.000239598	0.015973
476	571030.55,	0	0	0	0	0	0	0	0	0	0	8.11012E-05	0.005407
477	571070.55,	0	0	0	0	0	0	0	0	0	0	4.42945E-05	0.002953
478	571110.55,	0	0	0	0	0	0	0	0	0	0	2.87091E-05	0.001914
479	571150.55,	0	0	0	0	0	0	0	0	0	0	2.23257E-05	0.001488
480	571190.55,	0	0	0	0	0	0	0	0	0	0	1.82548E-05	0.001217
481	571230.55,	0	0	0	0	0	0	0	0	0	0	1.56628E-05	0.001044
482	571270.55,	0	0	0	0	0	0	0	0	0	0	1.33481E-05	0.00089
483	571310.55,	0	0	0	0	0	0	0	0	0	0	1.27618E-05	0.000851
484	571350.55,	0	0	0	0	0	0	0	0	0	0	1.08188E-05	0.000721
485	571390.55,	0	0	0	0	0	0	0	0	0	0	9.45467E-06	0.00063
486	571430.55,	0	0	0	0	0	0	0	0	0	0	8.68847E-06	0.000579
487	571470.55,	0	0	0	0	0	0	0	0	0	0	7.42224E-06	0.000495
488	571510.55,	0	0	0	0	0	0	0	0	0	0	5.93166E-06	0.000395
489	571550.55,	0	0	0	0	0	0	0	0	0	0	4.8683E-06	0.000325
490	571590.55,	0	0	0	0	0	0	0	0	0	0	4.74817E-06	0.000317
491	570310.55,	0	0	0	0	0	0	0	0	0	0	2.36342E-06	0.000158
492	570350.55,	0	0	0	0	0	0	0	0	0	0	2.57408E-06	0.000172
493	570390.55,	0	0	0	0	0	0	0	0	0	0	2.8351E-06	0.000189
494	570430.55,	0	0	0	0	0	0	0	0	0	0	3.14451E-06	0.00021
495	570470.55,	0	0	0	0	0	0	0	0	0	0	3.50443E-06	0.000234
496	570510.55,	0	0	0	0	0	0	0	0	0	0	3.95266E-06	0.000264
497	570550.55,	0	0	0	0	0	0	0	0	0	0	4.68745E-06	0.000312
498	570590.55,	0	0	0	0	0	0	0	0	0	0	5.53348E-06	0.000369
499	570630.55,	0	0	0	0	0	0	0	0	0	0	6.60041E-06	0.00044
500	570670.55,	0	0	0	0	0	0	0	0	0	0	8.34548E-06	0.000556
501	570710.55,	0	0	0	0	0	0	0	0	0	0	1.04393E-05	0.000696
502	570750.55,	0	0	0	0	0	0	0	0	0	0	1.34797E-05	0.000899
503	570790.55,	0	0	0	0	0	0	0	0	0	0	1.59549E-05	0.001064
504	570830.55,	0	0	0	0	0	0	0	0	0	0	2.51141E-05	0.001674
505	570950.55,	0	0	0	0	0	0	0	0	0	0	0.000189832	0.012655
506	570990.55,	0	0	0	0	0	0	0	0	0	0	8.32675E-05	0.005551
507	571030.55,	0	0	0	0	0	0	0	0	0	0	5.25614E-05	0.003504
508	571070.55,	0	0	0	0	0	0	0	0	0	0	3.27757E-05	0.002185
509	571110.55,	0	0	0	0	0	0	0	0	0	0	2.53617E-05	0.001691
510	571150.55,	0	0	0	0	0	0	0	0	0	0	1.98176E-05	0.001321
511	571190.55,	0	0	0	0	0	0	0	0	0	0	1.54897E-05	0.001033
512	571230.55,	0	0	0	0	0	0	0	0	0	0	1.36935E-05	0.000913
513	571270.55,	0	0	0	0	0	0	0	0	0	0	1.14948E-05	0.000766

514	571310.55	0	0	0	0	0	0	0	0	0	0	1.03499E-05	0.00069
515	571350.55	0	0	0	0	0	0	0	0	0	0	1.00314E-05	0.000669
516	571390.55	0	0	0	0	0	0	0	0	0	0	8.5713E-06	0.000571
517	571430.55	0	0	0	0	0	0	0	0	0	0	7.50195E-06	0.0005
518	571470.55	0	0	0	0	0	0	0	0	0	0	7.06744E-06	0.000471
519	571510.55	0	0	0	0	0	0	0	0	0	0	6.31356E-06	0.000421
520	571550.55	0	0	0	0	0	0	0	0	0	0	5.24815E-06	0.00035
521	571590.55	0	0	0	0	0	0	0	0	0	0	4.15619E-06	0.000277
522	570310.55	0	0	0	0	0	0	0	0	0	0	2.48694E-06	0.000166
523	570350.55	0	0	0	0	0	0	0	0	0	0	2.68152E-06	0.000179
524	570390.55	0	0	0	0	0	0	0	0	0	0	2.8762E-06	0.000192
525	570430.55	0	0	0	0	0	0	0	0	0	0	3.22245E-06	0.000215
526	570470.55	0	0	0	0	0	0	0	0	0	0	3.64157E-06	0.000243
527	570510.55	0	0	0	0	0	0	0	0	0	0	4.13478E-06	0.000276
528	570550.55	0	0	0	0	0	0	0	0	0	0	4.73082E-06	0.000315
529	570590.55	0	0	0	0	0	0	0	0	0	0	5.56432E-06	0.000371
530	570630.55	0	0	0	0	0	0	0	0	0	0	6.66833E-06	0.000445
531	570670.55	0	0	0	0	0	0	0	0	0	0	7.83443E-06	0.000522
532	570710.55	0	0	0	0	0	0	0	0	0	0	9.43031E-06	0.000629
533	570750.55	0	0	0	0	0	0	0	0	0	0	1.13321E-05	0.000755
534	570790.55	0	0	0	0	0	0	0	0	0	0	1.36171E-05	0.000908
535	570830.55	0	0	0	0	0	0	0	0	0	0	1.89576E-05	0.001264
536	570870.55	0	0	0	0	0	0	0	0	0	0	2.79704E-05	0.001865
537	570910.55	0	0	0	0	0	0	0	0	0	0	3.99613E-05	0.002664
538	570950.55	0	0	0	0	0	0	0	0	0	0	4.25816E-05	0.002839
539	570990.55	0	0	0	0	0	0	0	0	0	0	3.3632E-05	0.002242
540	571030.55	0	0	0	0	0	0	0	0	0	0	2.95113E-05	0.001967
541	571070.55	0	0	0	0	0	0	0	0	0	0	2.3051E-05	0.001537
542	571110.55	0	0	0	0	0	0	0	0	0	0	1.89589E-05	0.001264
543	571150.55	0	0	0	0	0	0	0	0	0	0	1.44101E-05	0.000961
544	571190.55	0	0	0	0	0	0	0	0	0	0	1.29299E-05	0.000862
545	571230.55	0	0	0	0	0	0	0	0	0	0	1.13719E-05	0.000758
546	571270.55	0	0	0	0	0	0	0	0	0	0	9.94234E-06	0.000663
547	571310.55	0	0	0	0	0	0	0	0	0	0	8.40565E-06	0.00056
548	571350.55	0	0	0	0	0	0	0	0	0	0	8.12038E-06	0.000541
549	571390.55	0	0	0	0	0	0	0	0	0	0	8.00428E-06	0.000534
550	571430.55	0	0	0	0	0	0	0	0	0	0	6.8726E-06	0.000458
551	571470.55	0	0	0	0	0	0	0	0	0	0	6.0527E-06	0.000404
552	571510.55	0	0	0	0	0	0	0	0	0	0	5.71222E-06	0.000381
553	571550.55	0	0	0	0	0	0	0	0	0	0	5.36771E-06	0.000358
554	571590.55	0	0	0	0	0	0	0	0	0	0	4.65328E-06	0.00031
555	570310.55	0	0	0	0	0	0	0	0	0	0	2.49165E-06	0.000166
556	570350.55	0	0	0	0	0	0	0	0	0	0	2.76215E-06	0.000184
557	570390.55	0	0	0	0	0	0	0	0	0	0	3.02886E-06	0.000202
558	570430.55	0	0	0	0	0	0	0	0	0	0	3.30178E-06	0.00022
559	570470.55	0	0	0	0	0	0	0	0	0	0	3.66484E-06	0.000244
560	570510.55	0	0	0	0	0	0	0	0	0	0	4.10862E-06	0.000274

561	570550.55	0	0	0	0	0	0	0	0	0	0	4.86041E-06	0.000324
562	570590.55	0	0	0	0	0	0	0	0	0	0	5.5169E-06	0.000368
563	570630.55	0	0	0	0	0	0	0	0	0	0	6.31976E-06	0.000421
564	570670.55	0	0	0	0	0	0	0	0	0	0	7.30033E-06	0.000487
565	570710.55	0	0	0	0	0	0	0	0	0	0	8.37788E-06	0.000559
566	570750.55	0	0	0	0	0	0	0	0	0	0	9.63765E-06	0.000643
567	570790.55	0	0	0	0	0	0	0	0	0	0	1.13674E-05	0.000758
568	570830.55	0	0	0	0	0	0	0	0	0	0	1.4529E-05	0.000969
569	570870.55	0	0	0	0	0	0	0	0	0	0	1.68454E-05	0.001123
570	570910.55	0	0	0	0	0	0	0	0	0	0	1.89785E-05	0.001265
571	570950.55	0	0	0	0	0	0	0	0	0	0	1.93912E-05	0.001293
572	570990.55	0	0	0	0	0	0	0	0	0	0	1.84044E-05	0.001227
573	571030.55	0	0	0	0	0	0	0	0	0	0	1.6249E-05	0.001083
574	571070.55	0	0	0	0	0	0	0	0	0	0	1.64125E-05	0.001094
575	571110.55	0	0	0	0	0	0	0	0	0	0	1.34087E-05	0.000894
576	571150.55	0	0	0	0	0	0	0	0	0	0	1.23535E-05	0.000824
577	571190.55	0	0	0	0	0	0	0	0	0	0	9.61745E-06	0.000641
578	571230.55	0	0	0	0	0	0	0	0	0	0	8.5009E-06	0.000567
579	571270.55	0	0	0	0	0	0	0	0	0	0	8.24811E-06	0.00055
580	571310.55	0	0	0	0	0	0	0	0	0	0	7.42876E-06	0.000495
581	571350.55	0	0	0	0	0	0	0	0	0	0	6.6775E-06	0.000445
582	571390.55	0	0	0	0	0	0	0	0	0	0	6.5128E-06	0.000434
583	571430.55	0	0	0	0	0	0	0	0	0	0	6.49455E-06	0.000433
584	571470.55	0	0	0	0	0	0	0	0	0	0	5.59541E-06	0.000373
585	571510.55	0	0	0	0	0	0	0	0	0	0	5.01093E-06	0.000334
586	571550.55	0	0	0	0	0	0	0	0	0	0	4.67025E-06	0.000311
587	571590.55	0	0	0	0	0	0	0	0	0	0	4.54261E-06	0.000303
588	570310.55	0	0	0	0	0	0	0	0	0	0	2.5837E-06	0.000172
589	570350.55	0	0	0	0	0	0	0	0	0	0	2.77277E-06	0.000185
590	570390.55	0	0	0	0	0	0	0	0	0	0	3.00916E-06	0.000201
591	570430.55	0	0	0	0	0	0	0	0	0	0	3.27937E-06	0.000219
592	570470.55	0	0	0	0	0	0	0	0	0	0	3.77795E-06	0.000252
593	570510.55	0	0	0	0	0	0	0	0	0	0	4.27664E-06	0.000285
594	570550.55	0	0	0	0	0	0	0	0	0	0	4.67157E-06	0.000311
595	570590.55	0	0	0	0	0	0	0	0	0	0	5.31925E-06	0.000355
596	570630.55	0	0	0	0	0	0	0	0	0	0	5.98648E-06	0.000399
597	570670.55	0	0	0	0	0	0	0	0	0	0	6.67078E-06	0.000445
598	570710.55	0	0	0	0	0	0	0	0	0	0	7.30723E-06	0.000487
599	570750.55	0	0	0	0	0	0	0	0	0	0	8.13229E-06	0.000542
600	570790.55	0	0	0	0	0	0	0	0	0	0	9.73005E-06	0.000649
601	570830.55	0	0	0	0	0	0	0	0	0	0	1.08779E-05	0.000725
602	570870.55	0	0	0	0	0	0	0	0	0	0	1.1958E-05	0.000797
603	570910.55	0	0	0	0	0	0	0	0	0	0	1.24474E-05	0.00083
604	570950.55	0	0	0	0	0	0	0	0	0	0	1.22322E-05	0.000815
605	570990.55	0	0	0	0	0	0	0	0	0	0	1.22533E-05	0.000817
606	571030.55	0	0	0	0	0	0	0	0	0	0	1.13448E-05	0.000756
607	571070.55	0	0	0	0	0	0	0	0	0	0	1.114E-05	0.000743

608	571110.55,	0	0	0	0	0	0	0	0	0	0	1.10249E-05	0.000735
609	571150.55,	0	0	0	0	0	0	0	0	0	0	9.15927E-06	0.000611
610	571190.55,	0	0	0	0	0	0	0	0	0	0	8.82947E-06	0.000589
611	571230.55,	0	0	0	0	0	0	0	0	0	0	7.54176E-06	0.000503
612	571270.55,	0	0	0	0	0	0	0	0	0	0	6.56207E-06	0.000437
613	571310.55,	0	0	0	0	0	0	0	0	0	0	6.24928E-06	0.000417
614	571350.55,	0	0	0	0	0	0	0	0	0	0	5.61233E-06	0.000374
615	571390.55,	0	0	0	0	0	0	0	0	0	0	5.25105E-06	0.00035
616	571430.55,	0	0	0	0	0	0	0	0	0	0	5.34702E-06	0.000356
617	571470.55,	0	0	0	0	0	0	0	0	0	0	5.3594E-06	0.000357
618	571510.55,	0	0	0	0	0	0	0	0	0	0	4.62051E-06	0.000308
619	571550.55,	0	0	0	0	0	0	0	0	0	0	4.20241E-06	0.00028
620	571590.55,	0	0	0	0	0	0	0	0	0	0	3.94351E-06	0.000263
621	570310.55,	0	0	0	0	0	0	0	0	0	0	2.53395E-06	0.000169
622	570350.55,	0	0	0	0	0	0	0	0	0	0	2.71601E-06	0.000181
623	570390.55,	0	0	0	0	0	0	0	0	0	0	3.06413E-06	0.000204
624	570430.55,	0	0	0	0	0	0	0	0	0	0	3.45362E-06	0.00023
625	570470.55,	0	0	0	0	0	0	0	0	0	0	3.77513E-06	0.000252
626	570510.55,	0	0	0	0	0	0	0	0	0	0	4.05572E-06	0.00027
627	570550.55,	0	0	0	0	0	0	0	0	0	0	4.59433E-06	0.000306
628	570590.55,	0	0	0	0	0	0	0	0	0	0	5.07717E-06	0.000338
629	570630.55,	0	0	0	0	0	0	0	0	0	0	5.52713E-06	0.000368
630	570670.55,	0	0	0	0	0	0	0	0	0	0	5.8223E-06	0.000388
631	570710.55,	0	0	0	0	0	0	0	0	0	0	6.35553E-06	0.000424
632	570750.55,	0	0	0	0	0	0	0	0	0	0	7.25071E-06	0.000483
633	570790.55,	0	0	0	0	0	0	0	0	0	0	8.00097E-06	0.000533
634	570830.55,	0	0	0	0	0	0	0	0	0	0	8.31407E-06	0.000554
635	570870.55,	0	0	0	0	0	0	0	0	0	0	8.69473E-06	0.00058
636	570910.55,	0	0	0	0	0	0	0	0	0	0	9.08206E-06	0.000605
637	570950.55,	0	0	0	0	0	0	0	0	0	0	9.035E-06	0.000602
638	570990.55,	0	0	0	0	0	0	0	0	0	0	8.95841E-06	0.000597
639	571030.55,	0	0	0	0	0	0	0	0	0	0	8.91506E-06	0.000594
640	571070.55,	0	0	0	0	0	0	0	0	0	0	8.15452E-06	0.000544
641	571110.55,	0	0	0	0	0	0	0	0	0	0	8.49179E-06	0.000566
642	571150.55,	0	0	0	0	0	0	0	0	0	0	8.1108E-06	0.000541
643	571190.55,	0	0	0	0	0	0	0	0	0	0	6.88978E-06	0.000459
644	571230.55,	0	0	0	0	0	0	0	0	0	0	6.73293E-06	0.000449
645	571270.55,	0	0	0	0	0	0	0	0	0	0	6.12458E-06	0.000408
646	571310.55,	0	0	0	0	0	0	0	0	0	0	5.33341E-06	0.000356
647	571350.55,	0	0	0	0	0	0	0	0	0	0	4.92065E-06	0.000328
648	571390.55,	0	0	0	0	0	0	0	0	0	0	4.26667E-06	0.000284
649	571430.55,	0	0	0	0	0	0	0	0	0	0	3.9555E-06	0.000264
650	571470.55,	0	0	0	0	0	0	0	0	0	0	4.48575E-06	0.000299
651	571510.55,	0	0	0	0	0	0	0	0	0	0	4.49199E-06	0.000299
652	571550.55,	0	0	0	0	0	0	0	0	0	0	3.88124E-06	0.000259
653	571590.55,	0	0	0	0	0	0	0	0	0	0	3.56729E-06	0.000238
654	570310.55,	0	0	0	0	0	0	0	0	0	0	2.55182E-06	0.00017

655	570350.55,	0	0	0	0	0	0	0	0	0	0	2.87185E-06	0.000191
656	570390.55,	0	0	0	0	0	0	0	0	0	0	3.13792E-06	0.000209
657	570430.55,	0	0	0	0	0	0	0	0	0	0	3.33005E-06	0.000222
658	570470.55,	0	0	0	0	0	0	0	0	0	0	3.64698E-06	0.000243
659	570510.55,	0	0	0	0	0	0	0	0	0	0	4.02752E-06	0.000269
660	570550.55,	0	0	0	0	0	0	0	0	0	0	4.39866E-06	0.000293
661	570590.55,	0	0	0	0	0	0	0	0	0	0	4.68587E-06	0.000312
662	570630.55,	0	0	0	0	0	0	0	0	0	0	4.82366E-06	0.000322
663	570670.55,	0	0	0	0	0	0	0	0	0	0	5.2443E-06	0.00035
664	570710.55,	0	0	0	0	0	0	0	0	0	0	5.76772E-06	0.000385
665	570750.55,	0	0	0	0	0	0	0	0	0	0	6.29312E-06	0.00042
666	570790.55,	0	0	0	0	0	0	0	0	0	0	6.25798E-06	0.000417
667	570830.55,	0	0	0	0	0	0	0	0	0	0	6.93815E-06	0.000463
668	570870.55,	0	0	0	0	0	0	0	0	0	0	6.78707E-06	0.000452
669	570910.55,	0	0	0	0	0	0	0	0	0	0	7.05071E-06	0.00047
670	570950.55,	0	0	0	0	0	0	0	0	0	0	7.12065E-06	0.000475
671	570990.55,	0	0	0	0	0	0	0	0	0	0	6.51028E-06	0.000434
672	571030.55,	0	0	0	0	0	0	0	0	0	0	7.24839E-06	0.000483
673	571070.55,	0	0	0	0	0	0	0	0	0	0	6.62218E-06	0.000441
674	571110.55,	0	0	0	0	0	0	0	0	0	0	6.34712E-06	0.000423
675	571150.55,	0	0	0	0	0	0	0	0	0	0	6.81031E-06	0.000454
676	571190.55,	0	0	0	0	0	0	0	0	0	0	6.33369E-06	0.000422
677	571230.55,	0	0	0	0	0	0	0	0	0	0	5.48672E-06	0.000366
678	571270.55,	0	0	0	0	0	0	0	0	0	0	5.33011E-06	0.000355
679	571310.55,	0	0	0	0	0	0	0	0	0	0	5.08345E-06	0.000339
680	571350.55,	0	0	0	0	0	0	0	0	0	0	4.31277E-06	0.000288
681	571390.55,	0	0	0	0	0	0	0	0	0	0	3.98607E-06	0.000266
682	571430.55,	0	0	0	0	0	0	0	0	0	0	3.22071E-06	0.000215
683	571470.55,	0	0	0	0	0	0	0	0	0	0	3.30741E-06	0.00022
684	571510.55,	0	0	0	0	0	0	0	0	0	0	3.83678E-06	0.000256
685	571550.55,	0	0	0	0	0	0	0	0	0	0	3.83126E-06	0.000255
686	571590.55,	0	0	0	0	0	0	0	0	0	0	3.31105E-06	0.000221
687	570310.55,	0	0	0	0	0	0	0	0	0	0	2.66455E-06	0.000178
688	570350.55,	0	0	0	0	0	0	0	0	0	0	2.8334E-06	0.000189
689	570390.55,	0	0	0	0	0	0	0	0	0	0	2.9293E-06	0.000195
690	570430.55,	0	0	0	0	0	0	0	0	0	0	3.30361E-06	0.00022
691	570470.55,	0	0	0	0	0	0	0	0	0	0	3.56485E-06	0.000238
692	570510.55,	0	0	0	0	0	0	0	0	0	0	3.86654E-06	0.000258
693	570550.55,	0	0	0	0	0	0	0	0	0	0	4.04086E-06	0.000269
694	570590.55,	0	0	0	0	0	0	0	0	0	0	4.08517E-06	0.000272
695	570630.55,	0	0	0	0	0	0	0	0	0	0	4.45929E-06	0.000297
696	570670.55,	0	0	0	0	0	0	0	0	0	0	4.75276E-06	0.000317
697	570710.55,	0	0	0	0	0	0	0	0	0	0	5.19071E-06	0.000346
698	570750.55,	0	0	0	0	0	0	0	0	0	0	5.23352E-06	0.000349
699	570790.55,	0	0	0	0	0	0	0	0	0	0	5.49712E-06	0.000366
700	570830.55,	0	0	0	0	0	0	0	0	0	0	5.71901E-06	0.000381
701	570870.55,	0	0	0	0	0	0	0	0	0	0	5.78434E-06	0.000386

702	570910.55	0	0	0	0	0	0	0	0	0	0	5.67981E-06	0.000379
703	570950.55	0	0	0	0	0	0	0	0	0	0	5.7326E-06	0.000382
704	570990.55	0	0	0	0	0	0	0	0	0	0	4.93493E-06	0.000329
705	571030.55	0	0	0	0	0	0	0	0	0	0	5.80887E-06	0.000387
706	571070.55	0	0	0	0	0	0	0	0	0	0	5.79698E-06	0.000386
707	571110.55	0	0	0	0	0	0	0	0	0	0	5.15144E-06	0.000343
708	571150.55	0	0	0	0	0	0	0	0	0	0	5.20814E-06	0.000347
709	571190.55	0	0	0	0	0	0	0	0	0	0	5.65064E-06	0.000377
710	571230.55	0	0	0	0	0	0	0	0	0	0	5.13945E-06	0.000343
711	571270.55	0	0	0	0	0	0	0	0	0	0	4.52466E-06	0.000302
712	571310.55	0	0	0	0	0	0	0	0	0	0	4.30217E-06	0.000287
713	571350.55	0	0	0	0	0	0	0	0	0	0	4.275E-06	0.000285
714	571390.55	0	0	0	0	0	0	0	0	0	0	3.7998E-06	0.000253
715	571430.55	0	0	0	0	0	0	0	0	0	0	3.19585E-06	0.000213
716	571470.55	0	0	0	0	0	0	0	0	0	0	2.4418E-06	0.000163
717	571510.55	0	0	0	0	0	0	0	0	0	0	2.9064E-06	0.000194
718	571550.55	0	0	0	0	0	0	0	0	0	0	3.33936E-06	0.000223
719	571590.55	0	0	0	0	0	0	0	0	0	0	3.31585E-06	0.000221
720	570310.55	0	0	0	0	0	0	0	0	0	0	2.54207E-06	0.000169
721	570350.55	0	0	0	0	0	0	0	0	0	0	2.72382E-06	0.000182
722	570390.55	0	0	0	0	0	0	0	0	0	0	3.00448E-06	0.0002
723	570430.55	0	0	0	0	0	0	0	0	0	0	3.17872E-06	0.000212
724	570470.55	0	0	0	0	0	0	0	0	0	0	3.43464E-06	0.000229
725	570510.55	0	0	0	0	0	0	0	0	0	0	3.54514E-06	0.000236
726	570550.55	0	0	0	0	0	0	0	0	0	0	3.52718E-06	0.000235
727	570590.55	0	0	0	0	0	0	0	0	0	0	3.87061E-06	0.000258
728	570630.55	0	0	0	0	0	0	0	0	0	0	4.05647E-06	0.00027
729	570670.55	0	0	0	0	0	0	0	0	0	0	4.40583E-06	0.000294
730	570710.55	0	0	0	0	0	0	0	0	0	0	4.49753E-06	0.0003
731	570750.55	0	0	0	0	0	0	0	0	0	0	4.37169E-06	0.000291
732	570790.55	0	0	0	0	0	0	0	0	0	0	4.87587E-06	0.000325
733	570830.55	0	0	0	0	0	0	0	0	0	0	4.71506E-06	0.000314
734	570870.55	0	0	0	0	0	0	0	0	0	0	5.01602E-06	0.000334
735	570910.55	0	0	0	0	0	0	0	0	0	0	4.72761E-06	0.000315
736	570950.55	0	0	0	0	0	0	0	0	0	0	4.99445E-06	0.000333
737	570990.55	0	0	0	0	0	0	0	0	0	0	4.40097E-06	0.000293
738	571030.55	0	0	0	0	0	0	0	0	0	0	4.56761E-06	0.000305
739	571070.55	0	0	0	0	0	0	0	0	0	0	5.04086E-06	0.000336
740	571110.55	0	0	0	0	0	0	0	0	0	0	4.62657E-06	0.000308
741	571150.55	0	0	0	0	0	0	0	0	0	0	3.87855E-06	0.000259
742	571190.55	0	0	0	0	0	0	0	0	0	0	4.44403E-06	0.000296
743	571230.55	0	0	0	0	0	0	0	0	0	0	4.79323E-06	0.00032
744	571270.55	0	0	0	0	0	0	0	0	0	0	4.28403E-06	0.000286
745	571310.55	0	0	0	0	0	0	0	0	0	0	3.82469E-06	0.000255
746	571350.55	0	0	0	0	0	0	0	0	0	0	3.64337E-06	0.000243
747	571390.55	0	0	0	0	0	0	0	0	0	0	3.61102E-06	0.000241
748	571430.55	0	0	0	0	0	0	0	0	0	0	3.37259E-06	0.000225

749	571470.55,	0	0	0	0	0	0	0	0	0	0	2.86163E-06	0.000191
750	571510.55,	0	0	0	0	0	0	0	0	0	0	2.27849E-06	0.000152
751	571550.55,	0	0	0	0	0	0	0	0	0	0	2.59144E-06	0.000173
752	571590.55,	0	0	0	0	0	0	0	0	0	0	2.9501E-06	0.000197
753	570839.17,	0	0	0	0	0	0	0	0	0	0	0.000514186	0.034279
754	570839.17,	0	0	0	0	0	0	0	0	0	0	0.000534787	0.035652
755	570879.17,	0	0	0	0	0	0	0	0	0	0	7.55673E-05	0.005038
756	570879.17,	0	0	0	0	0	0	0	0	0	0	0.000802338	0.053489
757	570879.17,	0	0	0	0	0	0	0	0	0	0	0.000131971	0.008798
758	570879.17,	0	0	0	0	0	0	0	0	0	0	0.000696985	0.046466
759	570879.17,	0	0	0	0	0	0	0	0	0	0	5.31897E-05	0.003546
760	570919.17,	0	0	0	0	0	0	0	0	0	0	2.19967E-05	0.001466
761	570919.17,	0	0	0	0	0	0	0	0	0	0	5.62431E-05	0.00375
762	570919.17,	0	0	0	0	0	0	0	0	0	0	0.000220391	0.014693
763	570919.17,	0	0	0	0	0	0	0	0	0	0	0.000216678	0.014445
764	570919.17,	0	0	0	0	0	0	0	0	0	0	0.000138238	0.009216
765	570919.17,	0	0	0	0	0	0	0	0	0	0	0.000528994	0.035266
766	570959.17,	0	0	0	0	0	0	0	0	0	0	2.02661E-05	0.001351
767	570959.17,	0	0	0	0	0	0	0	0	0	0	2.53041E-05	0.001687
768	570959.17,	0	0	0	0	0	0	0	0	0	0	4.35787E-05	0.002905
769	570959.17,	0	0	0	0	0	0	0	0	0	0	9.77483E-05	0.006517
770	570959.17,	0	0	0	0	0	0	0	0	0	0	0.000431911	0.028794
771	570959.17,	0	0	0	0	0	0	0	0	0	0	0.001609701	0.107313
772	570999.17,	0	0	0	0	0	0	0	0	0	0	4.37007E-05	0.002913
773	570999.17,	0	0	0	0	0	0	0	0	0	0	3.0917E-05	0.002061
774	570999.17,	0	0	0	0	0	0	0	0	0	0	2.92286E-05	0.001949
775	570999.17,	0	0	0	0	0	0	0	0	0	0	3.71394E-05	0.002476
776	570999.17,	0	0	0	0	0	0	0	0	0	0	6.2631E-05	0.004175
777	570999.17,	0	0	0	0	0	0	0	0	0	0	0.000132048	0.008803
778	571039.17,	0	0	0	0	0	0	0	0	0	0	0.000130001	0.008667
779	571039.17,	0	0	0	0	0	0	0	0	0	0	0.000217153	0.014477
780	571039.17,	0	0	0	0	0	0	0	0	0	0	5.42051E-05	0.003614
781	571039.17,	0	0	0	0	0	0	0	0	0	0	3.63908E-05	0.002426
782	571039.17,	0	0	0	0	0	0	0	0	0	0	3.50151E-05	0.002334
783	571039.17,	0	0	0	0	0	0	0	0	0	0	4.61972E-05	0.00308
784	571079.17,	0	0	0	0	0	0	0	0	0	0	0.00019229	0.012819
785	571079.17,	0	0	0	0	0	0	0	0	0	0	0.000349617	0.023308
786	571079.17,	0	0	0	0	0	0	0	0	0	0	0.000127409	0.008494
787	571079.17,	0	0	0	0	0	0	0	0	0	0	5.04219E-05	0.003361
788	571079.17,	0	0	0	0	0	0	0	0	0	0	3.64512E-05	0.00243
789	571119.17,	0	0	0	0	0	0	0	0	0	0	0.000176582	0.011772
790	571119.17,	0	0	0	0	0	0	0	0	0	0	0.00137182	0.091455
791	571119.17,	0	0	0	0	0	0	0	0	0	0	7.99667E-05	0.005331
792	571159.17,	0	0	0	0	0	0	0	0	0	0	0.001509763	0.100651
793	570808.82,	0	0	0	0	0	0	0	0	0	0	9.91941E-05	0.006613
794	570823.91,	0	0	0	0	0	0	0	0	0	0	2.7968E-05	0.001865
795	570883.31,	0	0	0	0	0	0	0	0	0	0	3.07537E-05	0.00205

796	571181.45	0	0	0	0	0	0	0	0	0	0	0.0005647	0.037647
797	571067.83	0	0	0	0	0	0	0	0	0	0	5.47865E-05	0.003652
798	570799.89	0	0	0	0	0	0	0	0	0	0	4.80413E-05	0.003203

		Unmitigated Acute Hazard											
#	X,Y	1	2	3	4	5	6	7	8	9	10	Total Acute	Acute Hazard
1	570310.55,	0	0	0	0	0	0	0	0	0	0	3.08299E-05	0.000154
2	570350.55,	0	0	0	0	0	0	0	0	0	0	3.50226E-05	0.000175
3	570390.55,	0	0	0	0	0	0	0	0	0	0	3.85712E-05	0.000193
4	570430.55,	0	0	0	0	0	0	0	0	0	0	4.07225E-05	0.000204
5	570470.55,	0	0	0	0	0	0	0	0	0	0	4.07205E-05	0.000204
6	570510.55,	0	0	0	0	0	0	0	0	0	0	4.02879E-05	0.000201
7	570550.55,	0	0	0	0	0	0	0	0	0	0	4.56686E-05	0.000228
8	570590.55,	0	0	0	0	0	0	0	0	0	0	4.63109E-05	0.000232
9	570630.55,	0	0	0	0	0	0	0	0	0	0	4.68181E-05	0.000234
10	570670.55,	0	0	0	0	0	0	0	0	0	0	5.15262E-05	0.000258
11	570710.55,	0	0	0	0	0	0	0	0	0	0	5.25341E-05	0.000263
12	570750.55,	0	0	0	0	0	0	0	0	0	0	5.64788E-05	0.000282
13	570790.55,	0	0	0	0	0	0	0	0	0	0	5.81097E-05	0.000291
14	570830.55,	0	0	0	0	0	0	0	0	0	0	5.88426E-05	0.000294
15	570870.55,	0	0	0	0	0	0	0	0	0	0	6.49773E-05	0.000325
16	570910.55,	0	0	0	0	0	0	0	0	0	0	5.88832E-05	0.000294
17	570950.55,	0	0	0	0	0	0	0	0	0	0	7.34309E-05	0.000367
18	570990.55,	0	0	0	0	0	0	0	0	0	0	7.22372E-05	0.000361
19	571030.55,	0	0	0	0	0	0	0	0	0	0	7.16145E-05	0.000358
20	571070.55,	0	0	0	0	0	0	0	0	0	0	7.24342E-05	0.000362
21	571110.55,	0	0	0	0	0	0	0	0	0	0	7.23371E-05	0.000362
22	571150.55,	0	0	0	0	0	0	0	0	0	0	7.51838E-05	0.000376
23	571190.55,	0	0	0	0	0	0	0	0	0	0	7.87242E-05	0.000394
24	571230.55,	0	0	0	0	0	0	0	0	0	0	8.49024E-05	0.000425
25	571270.55,	0	0	0	0	0	0	0	0	0	0	7.71306E-05	0.000386
26	571310.55,	0	0	0	0	0	0	0	0	0	0	8.2399E-05	0.000412
27	571350.55,	0	0	0	0	0	0	0	0	0	0	7.66031E-05	0.000383
28	571390.55,	0	0	0	0	0	0	0	0	0	0	8.01502E-05	0.000401
29	571430.55,	0	0	0	0	0	0	0	0	0	0	7.94271E-05	0.000397
30	571470.55,	0	0	0	0	0	0	0	0	0	0	7.6954E-05	0.000385
31	571510.55,	0	0	0	0	0	0	0	0	0	0	6.97426E-05	0.000349
32	571550.55,	0	0	0	0	0	0	0	0	0	0	6.44598E-05	0.000322
33	571590.55,	0	0	0	0	0	0	0	0	0	0	5.40137E-05	0.00027
34	570310.55,	0	0	0	0	0	0	0	0	0	0	3.2487E-05	0.000162
35	570350.55,	0	0	0	0	0	0	0	0	0	0	3.36653E-05	0.000168
36	570390.55,	0	0	0	0	0	0	0	0	0	0	3.59706E-05	0.00018
37	570430.55,	0	0	0	0	0	0	0	0	0	0	4.03672E-05	0.000202
38	570470.55,	0	0	0	0	0	0	0	0	0	0	4.49631E-05	0.000225
39	570510.55,	0	0	0	0	0	0	0	0	0	0	4.75144E-05	0.000238
40	570550.55,	0	0	0	0	0	0	0	0	0	0	4.70618E-05	0.000235
41	570590.55,	0	0	0	0	0	0	0	0	0	0	5.00008E-05	0.00025
42	570630.55,	0	0	0	0	0	0	0	0	0	0	5.3782E-05	0.000269
43	570670.55,	0	0	0	0	0	0	0	0	0	0	5.22095E-05	0.000261

44	570710.55,	0	0	0	0	0	0	0	0	0	0	5.9088E-05	0.000295
45	570750.55,	0	0	0	0	0	0	0	0	0	0	6.02394E-05	0.000301
46	570790.55,	0	0	0	0	0	0	0	0	0	0	6.48484E-05	0.000324
47	570830.55,	0	0	0	0	0	0	0	0	0	0	6.57696E-05	0.000329
48	570870.55,	0	0	0	0	0	0	0	0	0	0	6.98342E-05	0.000349
49	570910.55,	0	0	0	0	0	0	0	0	0	0	7.34779E-05	0.000367
50	570950.55,	0	0	0	0	0	0	0	0	0	0	7.86559E-05	0.000393
51	570990.55,	0	0	0	0	0	0	0	0	0	0	8.47208E-05	0.000424
52	571030.55,	0	0	0	0	0	0	0	0	0	0	8.06905E-05	0.000403
53	571070.55,	0	0	0	0	0	0	0	0	0	0	8.1963E-05	0.00041
54	571110.55,	0	0	0	0	0	0	0	0	0	0	8.03269E-05	0.000402
55	571150.55,	0	0	0	0	0	0	0	0	0	0	8.35632E-05	0.000418
56	571190.55,	0	0	0	0	0	0	0	0	0	0	9.24525E-05	0.000462
57	571230.55,	0	0	0	0	0	0	0	0	0	0	8.91543E-05	0.000446
58	571270.55,	0	0	0	0	0	0	0	0	0	0	9.04946E-05	0.000452
59	571310.55,	0	0	0	0	0	0	0	0	0	0	8.58196E-05	0.000429
60	571350.55,	0	0	0	0	0	0	0	0	0	0	8.83657E-05	0.000442
61	571390.55,	0	0	0	0	0	0	0	0	0	0	8.72592E-05	0.000436
62	571430.55,	0	0	0	0	0	0	0	0	0	0	8.46318E-05	0.000423
63	571470.55,	0	0	0	0	0	0	0	0	0	0	7.65357E-05	0.000383
64	571510.55,	0	0	0	0	0	0	0	0	0	0	6.97894E-05	0.000349
65	571550.55,	0	0	0	0	0	0	0	0	0	0	5.72669E-05	0.000286
66	571590.55,	0	0	0	0	0	0	0	0	0	0	5.88464E-05	0.000294
67	570310.55,	0	0	0	0	0	0	0	0	0	0	3.51406E-05	0.000176
68	570350.55,	0	0	0	0	0	0	0	0	0	0	3.6059E-05	0.00018
69	570390.55,	0	0	0	0	0	0	0	0	0	0	3.72137E-05	0.000186
70	570430.55,	0	0	0	0	0	0	0	0	0	0	3.98338E-05	0.000199
71	570470.55,	0	0	0	0	0	0	0	0	0	0	4.18071E-05	0.000209
72	570510.55,	0	0	0	0	0	0	0	0	0	0	4.75743E-05	0.000238
73	570550.55,	0	0	0	0	0	0	0	0	0	0	5.35927E-05	0.000268
74	570590.55,	0	0	0	0	0	0	0	0	0	0	5.6477E-05	0.000282
75	570630.55,	0	0	0	0	0	0	0	0	0	0	5.49538E-05	0.000275
76	570670.55,	0	0	0	0	0	0	0	0	0	0	6.16751E-05	0.000308
77	570710.55,	0	0	0	0	0	0	0	0	0	0	6.23212E-05	0.000312
78	570750.55,	0	0	0	0	0	0	0	0	0	0	6.82966E-05	0.000341
79	570790.55,	0	0	0	0	0	0	0	0	0	0	7.0022E-05	0.00035
80	570830.55,	0	0	0	0	0	0	0	0	0	0	7.62182E-05	0.000381
81	570870.55,	0	0	0	0	0	0	0	0	0	0	7.50392E-05	0.000375
82	570910.55,	0	0	0	0	0	0	0	0	0	0	8.45376E-05	0.000423
83	570950.55,	0	0	0	0	0	0	0	0	0	0	8.00055E-05	0.0004
84	570990.55,	0	0	0	0	0	0	0	0	0	0	9.77409E-05	0.000489
85	571030.55,	0	0	0	0	0	0	0	0	0	0	9.21882E-05	0.000461
86	571070.55,	0	0	0	0	0	0	0	0	0	0	9.44415E-05	0.000472
87	571110.55,	0	0	0	0	0	0	0	0	0	0	9.05892E-05	0.000453
88	571150.55,	0	0	0	0	0	0	0	0	0	0	9.3693E-05	0.000468
89	571190.55,	0	0	0	0	0	0	0	0	0	0	0.000104072	0.00052
90	571230.55,	0	0	0	0	0	0	0	0	0	0	9.86392E-05	0.000493

91	571270.55	0	0	0	0	0	0	0	0	0	0	9.80461E-05	0.00049
92	571310.55	0	0	0	0	0	0	0	0	0	0	9.77646E-05	0.000489
93	571350.55	0	0	0	0	0	0	0	0	0	0	9.65934E-05	0.000483
94	571390.55	0	0	0	0	0	0	0	0	0	0	9.36495E-05	0.000468
95	571430.55	0	0	0	0	0	0	0	0	0	0	8.44819E-05	0.000422
96	571470.55	0	0	0	0	0	0	0	0	0	0	7.60016E-05	0.00038
97	571510.55	0	0	0	0	0	0	0	0	0	0	6.45991E-05	0.000323
98	571550.55	0	0	0	0	0	0	0	0	0	0	6.77224E-05	0.000339
99	571590.55	0	0	0	0	0	0	0	0	0	0	6.67525E-05	0.000334
100	570310.55	0	0	0	0	0	0	0	0	0	0	3.44755E-05	0.000172
101	570350.55	0	0	0	0	0	0	0	0	0	0	3.84785E-05	0.000192
102	570390.55	0	0	0	0	0	0	0	0	0	0	4.04537E-05	0.000202
103	570430.55	0	0	0	0	0	0	0	0	0	0	4.15443E-05	0.000208
104	570470.55	0	0	0	0	0	0	0	0	0	0	4.4456E-05	0.000222
105	570510.55	0	0	0	0	0	0	0	0	0	0	4.6585E-05	0.000233
106	570550.55	0	0	0	0	0	0	0	0	0	0	4.75078E-05	0.000238
107	570590.55	0	0	0	0	0	0	0	0	0	0	5.75106E-05	0.000288
108	570630.55	0	0	0	0	0	0	0	0	0	0	6.53982E-05	0.000327
109	570670.55	0	0	0	0	0	0	0	0	0	0	6.85686E-05	0.000343
110	570710.55	0	0	0	0	0	0	0	0	0	0	6.96346E-05	0.000348
111	570750.55	0	0	0	0	0	0	0	0	0	0	7.56266E-05	0.000378
112	570790.55	0	0	0	0	0	0	0	0	0	0	7.96409E-05	0.000398
113	570830.55	0	0	0	0	0	0	0	0	0	0	8.28944E-05	0.000414
114	570870.55	0	0	0	0	0	0	0	0	0	0	9.08934E-05	0.000454
115	570910.55	0	0	0	0	0	0	0	0	0	0	8.80837E-05	0.00044
116	570950.55	0	0	0	0	0	0	0	0	0	0	0.000101678	0.000508
117	570990.55	0	0	0	0	0	0	0	0	0	0	0.0001078	0.000539
118	571030.55	0	0	0	0	0	0	0	0	0	0	0.000107884	0.000539
119	571070.55	0	0	0	0	0	0	0	0	0	0	0.00010998	0.00055
120	571110.55	0	0	0	0	0	0	0	0	0	0	0.000102685	0.000513
121	571150.55	0	0	0	0	0	0	0	0	0	0	0.000115538	0.000578
122	571190.55	0	0	0	0	0	0	0	0	0	0	0.000111205	0.000556
123	571230.55	0	0	0	0	0	0	0	0	0	0	0.000112424	0.000562
124	571270.55	0	0	0	0	0	0	0	0	0	0	0.000109545	0.000548
125	571310.55	0	0	0	0	0	0	0	0	0	0	0.000108067	0.00054
126	571350.55	0	0	0	0	0	0	0	0	0	0	0.000104386	0.000522
127	571390.55	0	0	0	0	0	0	0	0	0	0	9.38424E-05	0.000469
128	571430.55	0	0	0	0	0	0	0	0	0	0	8.34637E-05	0.000417
129	571470.55	0	0	0	0	0	0	0	0	0	0	7.64519E-05	0.000382
130	571510.55	0	0	0	0	0	0	0	0	0	0	7.71146E-05	0.000386
131	571550.55	0	0	0	0	0	0	0	0	0	0	7.29664E-05	0.000365
132	571590.55	0	0	0	0	0	0	0	0	0	0	6.51272E-05	0.000326
133	570310.55	0	0	0	0	0	0	0	0	0	0	4.0755E-05	0.000204
134	570350.55	0	0	0	0	0	0	0	0	0	0	3.99765E-05	0.0002
135	570390.55	0	0	0	0	0	0	0	0	0	0	4.22002E-05	0.000211
136	570430.55	0	0	0	0	0	0	0	0	0	0	4.56539E-05	0.000228
137	570470.55	0	0	0	0	0	0	0	0	0	0	4.65395E-05	0.000233

138	570510.55	0	0	0	0	0	0	0	0	0	0	5.00831E-05	0.00025
139	570550.55	0	0	0	0	0	0	0	0	0	0	5.23016E-05	0.000262
140	570590.55	0	0	0	0	0	0	0	0	0	0	5.04383E-05	0.000252
141	570630.55	0	0	0	0	0	0	0	0	0	0	5.76894E-05	0.000288
142	570670.55	0	0	0	0	0	0	0	0	0	0	7.16775E-05	0.000358
143	570710.55	0	0	0	0	0	0	0	0	0	0	8.23579E-05	0.000412
144	570750.55	0	0	0	0	0	0	0	0	0	0	8.55573E-05	0.000428
145	570790.55	0	0	0	0	0	0	0	0	0	0	9.10035E-05	0.000455
146	570830.55	0	0	0	0	0	0	0	0	0	0	9.40744E-05	0.00047
147	570870.55	0	0	0	0	0	0	0	0	0	0	0.000102122	0.000511
148	570910.55	0	0	0	0	0	0	0	0	0	0	0.000110029	0.00055
149	570950.55	0	0	0	0	0	0	0	0	0	0	0.000113892	0.000569
150	570990.55	0	0	0	0	0	0	0	0	0	0	0.000119589	0.000598
151	571030.55	0	0	0	0	0	0	0	0	0	0	0.000136195	0.000681
152	571070.55	0	0	0	0	0	0	0	0	0	0	0.000130712	0.000654
153	571110.55	0	0	0	0	0	0	0	0	0	0	0.000121438	0.000607
154	571150.55	0	0	0	0	0	0	0	0	0	0	0.000136768	0.000684
155	571190.55	0	0	0	0	0	0	0	0	0	0	0.000130662	0.000653
156	571230.55	0	0	0	0	0	0	0	0	0	0	0.000125355	0.000627
157	571270.55	0	0	0	0	0	0	0	0	0	0	0.000122807	0.000614
158	571310.55	0	0	0	0	0	0	0	0	0	0	0.000117518	0.000588
159	571350.55	0	0	0	0	0	0	0	0	0	0	0.000105247	0.000526
160	571390.55	0	0	0	0	0	0	0	0	0	0	9.27692E-05	0.000464
161	571430.55	0	0	0	0	0	0	0	0	0	0	8.96645E-05	0.000448
162	571470.55	0	0	0	0	0	0	0	0	0	0	8.66941E-05	0.000433
163	571510.55	0	0	0	0	0	0	0	0	0	0	7.84357E-05	0.000392
164	571550.55	0	0	0	0	0	0	0	0	0	0	6.85265E-05	0.000343
165	571590.55	0	0	0	0	0	0	0	0	0	0	6.21647E-05	0.000311
166	570310.55	0	0	0	0	0	0	0	0	0	0	3.94272E-05	0.000197
167	570350.55	0	0	0	0	0	0	0	0	0	0	4.5129E-05	0.000226
168	570390.55	0	0	0	0	0	0	0	0	0	0	4.66926E-05	0.000233
169	570430.55	0	0	0	0	0	0	0	0	0	0	4.65083E-05	0.000233
170	570470.55	0	0	0	0	0	0	0	0	0	0	5.18311E-05	0.000259
171	570510.55	0	0	0	0	0	0	0	0	0	0	5.26987E-05	0.000263
172	570550.55	0	0	0	0	0	0	0	0	0	0	5.71295E-05	0.000286
173	570590.55	0	0	0	0	0	0	0	0	0	0	5.92059E-05	0.000296
174	570630.55	0	0	0	0	0	0	0	0	0	0	5.97219E-05	0.000299
175	570670.55	0	0	0	0	0	0	0	0	0	0	6.59617E-05	0.00033
176	570710.55	0	0	0	0	0	0	0	0	0	0	7.25388E-05	0.000363
177	570750.55	0	0	0	0	0	0	0	0	0	0	9.32169E-05	0.000466
178	570790.55	0	0	0	0	0	0	0	0	0	0	0.000107991	0.00054
179	570830.55	0	0	0	0	0	0	0	0	0	0	0.000110178	0.000551
180	570870.55	0	0	0	0	0	0	0	0	0	0	0.000115732	0.000579
181	570910.55	0	0	0	0	0	0	0	0	0	0	0.00012809	0.00064
182	570950.55	0	0	0	0	0	0	0	0	0	0	0.000135482	0.000677
183	570990.55	0	0	0	0	0	0	0	0	0	0	0.000148778	0.000744
184	571030.55	0	0	0	0	0	0	0	0	0	0	0.000164414	0.000822

185	571070.55,	0	0	0	0	0	0	0	0	0	0	0.000160765	0.000804
186	571110.55,	0	0	0	0	0	0	0	0	0	0	0.000159472	0.000797
187	571150.55,	0	0	0	0	0	0	0	0	0	0	0.000155957	0.00078
188	571190.55,	0	0	0	0	0	0	0	0	0	0	0.000148666	0.000743
189	571230.55,	0	0	0	0	0	0	0	0	0	0	0.000142912	0.000715
190	571270.55,	0	0	0	0	0	0	0	0	0	0	0.000134261	0.000671
191	571310.55,	0	0	0	0	0	0	0	0	0	0	0.000120823	0.000604
192	571350.55,	0	0	0	0	0	0	0	0	0	0	0.0001053	0.000527
193	571390.55,	0	0	0	0	0	0	0	0	0	0	0.000104275	0.000521
194	571430.55,	0	0	0	0	0	0	0	0	0	0	9.63966E-05	0.000482
195	571470.55,	0	0	0	0	0	0	0	0	0	0	8.26085E-05	0.000413
196	571510.55,	0	0	0	0	0	0	0	0	0	0	7.3645E-05	0.000368
197	571550.55,	0	0	0	0	0	0	0	0	0	0	6.62757E-05	0.000331
198	571590.55,	0	0	0	0	0	0	0	0	0	0	5.8829E-05	0.000294
199	570310.55,	0	0	0	0	0	0	0	0	0	0	4.74354E-05	0.000237
200	570350.55,	0	0	0	0	0	0	0	0	0	0	4.76523E-05	0.000238
201	570390.55,	0	0	0	0	0	0	0	0	0	0	4.89166E-05	0.000245
202	570430.55,	0	0	0	0	0	0	0	0	0	0	5.39388E-05	0.00027
203	570470.55,	0	0	0	0	0	0	0	0	0	0	5.23246E-05	0.000262
204	570510.55,	0	0	0	0	0	0	0	0	0	0	5.92749E-05	0.000296
205	570550.55,	0	0	0	0	0	0	0	0	0	0	6.06078E-05	0.000303
206	570590.55,	0	0	0	0	0	0	0	0	0	0	6.59901E-05	0.00033
207	570630.55,	0	0	0	0	0	0	0	0	0	0	6.75874E-05	0.000338
208	570670.55,	0	0	0	0	0	0	0	0	0	0	7.13079E-05	0.000357
209	570710.55,	0	0	0	0	0	0	0	0	0	0	7.49032E-05	0.000375
210	570750.55,	0	0	0	0	0	0	0	0	0	0	8.35904E-05	0.000418
211	570790.55,	0	0	0	0	0	0	0	0	0	0	9.61199E-05	0.000481
212	570830.55,	0	0	0	0	0	0	0	0	0	0	0.000129157	0.000646
213	570870.55,	0	0	0	0	0	0	0	0	0	0	0.000149474	0.000747
214	570910.55,	0	0	0	0	0	0	0	0	0	0	0.000149037	0.000745
215	570950.55,	0	0	0	0	0	0	0	0	0	0	0.000163238	0.000816
216	570990.55,	0	0	0	0	0	0	0	0	0	0	0.000173328	0.000867
217	571030.55,	0	0	0	0	0	0	0	0	0	0	0.000208453	0.001042
218	571070.55,	0	0	0	0	0	0	0	0	0	0	0.000218118	0.001091
219	571110.55,	0	0	0	0	0	0	0	0	0	0	0.000213474	0.001067
220	571150.55,	0	0	0	0	0	0	0	0	0	0	0.000189142	0.000946
221	571190.55,	0	0	0	0	0	0	0	0	0	0	0.00017325	0.000866
222	571230.55,	0	0	0	0	0	0	0	0	0	0	0.000158052	0.00079
223	571270.55,	0	0	0	0	0	0	0	0	0	0	0.000143761	0.000719
224	571310.55,	0	0	0	0	0	0	0	0	0	0	0.000127254	0.000636
225	571350.55,	0	0	0	0	0	0	0	0	0	0	0.000121313	0.000607
226	571390.55,	0	0	0	0	0	0	0	0	0	0	0.000106049	0.00053
227	571430.55,	0	0	0	0	0	0	0	0	0	0	9.08668E-05	0.000454
228	571470.55,	0	0	0	0	0	0	0	0	0	0	7.98502E-05	0.000399
229	571510.55,	0	0	0	0	0	0	0	0	0	0	6.86447E-05	0.000343
230	571550.55,	0	0	0	0	0	0	0	0	0	0	6.3166E-05	0.000316
231	571590.55,	0	0	0	0	0	0	0	0	0	0	5.73725E-05	0.000287

232	570310.55	0	0	0	0	0	0	0	0	0	0	4.6368E-05	0.000232
233	570350.55	0	0	0	0	0	0	0	0	0	0	5.27121E-05	0.000264
234	570390.55	0	0	0	0	0	0	0	0	0	0	5.64409E-05	0.000282
235	570430.55	0	0	0	0	0	0	0	0	0	0	5.60515E-05	0.00028
236	570470.55	0	0	0	0	0	0	0	0	0	0	6.11945E-05	0.000306
237	570510.55	0	0	0	0	0	0	0	0	0	0	6.38568E-05	0.000319
238	570550.55	0	0	0	0	0	0	0	0	0	0	6.82231E-05	0.000341
239	570590.55	0	0	0	0	0	0	0	0	0	0	7.07974E-05	0.000354
240	570630.55	0	0	0	0	0	0	0	0	0	0	7.74734E-05	0.000387
241	570670.55	0	0	0	0	0	0	0	0	0	0	7.81113E-05	0.000391
242	570710.55	0	0	0	0	0	0	0	0	0	0	8.67158E-05	0.000434
243	570750.55	0	0	0	0	0	0	0	0	0	0	8.22706E-05	0.000411
244	570790.55	0	0	0	0	0	0	0	0	0	0	9.8922E-05	0.000495
245	570830.55	0	0	0	0	0	0	0	0	0	0	0.000114332	0.000572
246	570870.55	0	0	0	0	0	0	0	0	0	0	0.000140216	0.000701
247	570910.55	0	0	0	0	0	0	0	0	0	0	0.000201677	0.001008
248	570950.55	0	0	0	0	0	0	0	0	0	0	0.000214536	0.001073
249	570990.55	0	0	0	0	0	0	0	0	0	0	0.000234022	0.00117
250	571030.55	0	0	0	0	0	0	0	0	0	0	0.000320507	0.001603
251	571070.55	0	0	0	0	0	0	0	0	0	0	0.000411528	0.002058
252	571110.55	0	0	0	0	0	0	0	0	0	0	0.000306076	0.00153
253	571150.55	0	0	0	0	0	0	0	0	0	0	0.000232209	0.001161
254	571190.55	0	0	0	0	0	0	0	0	0	0	0.000199096	0.000995
255	571230.55	0	0	0	0	0	0	0	0	0	0	0.00017749	0.000887
256	571270.55	0	0	0	0	0	0	0	0	0	0	0.000157012	0.000785
257	571310.55	0	0	0	0	0	0	0	0	0	0	0.000143524	0.000718
258	571350.55	0	0	0	0	0	0	0	0	0	0	0.000118498	0.000592
259	571390.55	0	0	0	0	0	0	0	0	0	0	0.000100167	0.000501
260	571430.55	0	0	0	0	0	0	0	0	0	0	8.36195E-05	0.000418
261	571470.55	0	0	0	0	0	0	0	0	0	0	7.39561E-05	0.00037
262	571510.55	0	0	0	0	0	0	0	0	0	0	6.43186E-05	0.000322
263	571550.55	0	0	0	0	0	0	0	0	0	0	5.57793E-05	0.000279
264	571590.55	0	0	0	0	0	0	0	0	0	0	4.84743E-05	0.000242
265	570310.55	0	0	0	0	0	0	0	0	0	0	3.95694E-05	0.000198
266	570350.55	0	0	0	0	0	0	0	0	0	0	4.57731E-05	0.000229
267	570390.55	0	0	0	0	0	0	0	0	0	0	5.57157E-05	0.000279
268	570430.55	0	0	0	0	0	0	0	0	0	0	6.42071E-05	0.000321
269	570470.55	0	0	0	0	0	0	0	0	0	0	6.89388E-05	0.000345
270	570510.55	0	0	0	0	0	0	0	0	0	0	6.74906E-05	0.000337
271	570550.55	0	0	0	0	0	0	0	0	0	0	7.69066E-05	0.000385
272	570590.55	0	0	0	0	0	0	0	0	0	0	7.88317E-05	0.000394
273	570630.55	0	0	0	0	0	0	0	0	0	0	8.64697E-05	0.000432
274	570670.55	0	0	0	0	0	0	0	0	0	0	9.2991E-05	0.000465
275	570710.55	0	0	0	0	0	0	0	0	0	0	9.23001E-05	0.000462
276	570750.55	0	0	0	0	0	0	0	0	0	0	0.000105602	0.000528
277	570790.55	0	0	0	0	0	0	0	0	0	0	0.000111712	0.000559
278	570830.55	0	0	0	0	0	0	0	0	0	0	0.000106288	0.000531

279	570870.55	0	0	0	0	0	0	0	0	0	0	0.000129005	0.000645
280	570910.55	0	0	0	0	0	0	0	0	0	0	0.000167312	0.000837
281	570950.55	0	0	0	0	0	0	0	0	0	0	0.000260013	0.0013
282	570990.55	0	0	0	0	0	0	0	0	0	0	0.000505089	0.002525
283	571030.55	0	0	0	0	0	0	0	0	0	0	0.000387826	0.001939
284	571110.55	0	0	0	0	0	0	0	0	0	0	0.000617134	0.003086
285	571150.55	0	0	0	0	0	0	0	0	0	0	0.00031436	0.001572
286	571190.55	0	0	0	0	0	0	0	0	0	0	0.00024133	0.001207
287	571230.55	0	0	0	0	0	0	0	0	0	0	0.000208051	0.00104
288	571270.55	0	0	0	0	0	0	0	0	0	0	0.000176078	0.00088
289	571310.55	0	0	0	0	0	0	0	0	0	0	0.000136232	0.000681
290	571350.55	0	0	0	0	0	0	0	0	0	0	0.000106724	0.000534
291	571390.55	0	0	0	0	0	0	0	0	0	0	8.75562E-05	0.000438
292	571430.55	0	0	0	0	0	0	0	0	0	0	7.13782E-05	0.000357
293	571470.55	0	0	0	0	0	0	0	0	0	0	6.24248E-05	0.000312
294	571510.55	0	0	0	0	0	0	0	0	0	0	5.72881E-05	0.000286
295	571550.55	0	0	0	0	0	0	0	0	0	0	5.26558E-05	0.000263
296	571590.55	0	0	0	0	0	0	0	0	0	0	4.85169E-05	0.000243
297	570310.55	0	0	0	0	0	0	0	0	0	0	4.22369E-05	0.000211
298	570350.55	0	0	0	0	0	0	0	0	0	0	4.61925E-05	0.000231
299	570390.55	0	0	0	0	0	0	0	0	0	0	4.90721E-05	0.000245
300	570430.55	0	0	0	0	0	0	0	0	0	0	5.49366E-05	0.000275
301	570470.55	0	0	0	0	0	0	0	0	0	0	6.87351E-05	0.000344
302	570510.55	0	0	0	0	0	0	0	0	0	0	8.07397E-05	0.000404
303	570550.55	0	0	0	0	0	0	0	0	0	0	8.73593E-05	0.000437
304	570590.55	0	0	0	0	0	0	0	0	0	0	9.00443E-05	0.00045
305	570630.55	0	0	0	0	0	0	0	0	0	0	9.69082E-05	0.000485
306	570670.55	0	0	0	0	0	0	0	0	0	0	0.000107895	0.000539
307	570710.55	0	0	0	0	0	0	0	0	0	0	0.000115435	0.000577
308	570750.55	0	0	0	0	0	0	0	0	0	0	0.000118296	0.000591
309	570790.55	0	0	0	0	0	0	0	0	0	0	0.00012401	0.00062
310	570830.55	0	0	0	0	0	0	0	0	0	0	0.000135088	0.000675
311	570870.55	0	0	0	0	0	0	0	0	0	0	0.000132848	0.000664
312	570910.55	0	0	0	0	0	0	0	0	0	0	0.000165367	0.000827
313	570950.55	0	0	0	0	0	0	0	0	0	0	0.000217607	0.001088
314	571150.55	0	0	0	0	0	0	0	0	0	0	0.00124406	0.00622
315	571190.55	0	0	0	0	0	0	0	0	0	0	0.000401471	0.002007
316	571230.55	0	0	0	0	0	0	0	0	0	0	0.000238556	0.001193
317	571270.55	0	0	0	0	0	0	0	0	0	0	0.000151577	0.000758
318	571310.55	0	0	0	0	0	0	0	0	0	0	0.000112677	0.000563
319	571350.55	0	0	0	0	0	0	0	0	0	0	9.40803E-05	0.00047
320	571390.55	0	0	0	0	0	0	0	0	0	0	7.97301E-05	0.000399
321	571430.55	0	0	0	0	0	0	0	0	0	0	6.85781E-05	0.000343
322	571470.55	0	0	0	0	0	0	0	0	0	0	5.99439E-05	0.0003
323	571510.55	0	0	0	0	0	0	0	0	0	0	5.30947E-05	0.000265
324	571550.55	0	0	0	0	0	0	0	0	0	0	4.76161E-05	0.000238
325	571590.55	0	0	0	0	0	0	0	0	0	0	4.31736E-05	0.000216

326	570310.55	0	0	0	0	0	0	0	0	0	0	3.74805E-05	0.000187
327	570350.55	0	0	0	0	0	0	0	0	0	0	4.16523E-05	0.000208
328	570390.55	0	0	0	0	0	0	0	0	0	0	4.88434E-05	0.000244
329	570430.55	0	0	0	0	0	0	0	0	0	0	5.58954E-05	0.000279
330	570470.55	0	0	0	0	0	0	0	0	0	0	6.21122E-05	0.000311
331	570510.55	0	0	0	0	0	0	0	0	0	0	6.75311E-05	0.000338
332	570550.55	0	0	0	0	0	0	0	0	0	0	8.77831E-05	0.000439
333	570590.55	0	0	0	0	0	0	0	0	0	0	0.000106373	0.000532
334	570630.55	0	0	0	0	0	0	0	0	0	0	0.000116911	0.000585
335	570670.55	0	0	0	0	0	0	0	0	0	0	0.000124588	0.000623
336	570710.55	0	0	0	0	0	0	0	0	0	0	0.000138274	0.000691
337	570750.55	0	0	0	0	0	0	0	0	0	0	0.000149661	0.000748
338	570790.55	0	0	0	0	0	0	0	0	0	0	0.00016295	0.000815
339	570830.55	0	0	0	0	0	0	0	0	0	0	0.000172668	0.000863
340	570870.55	0	0	0	0	0	0	0	0	0	0	0.000150684	0.000753
341	570910.55	0	0	0	0	0	0	0	0	0	0	0.000128951	0.000645
342	571190.55	0	0	0	0	0	0	0	0	0	0	0.000686434	0.003432
343	571230.55	0	0	0	0	0	0	0	0	0	0	0.00027332	0.001367
344	571270.55	0	0	0	0	0	0	0	0	0	0	0.000166719	0.000834
345	571310.55	0	0	0	0	0	0	0	0	0	0	0.000100209	0.000501
346	571350.55	0	0	0	0	0	0	0	0	0	0	7.75476E-05	0.000388
347	571390.55	0	0	0	0	0	0	0	0	0	0	6.55269E-05	0.000328
348	571430.55	0	0	0	0	0	0	0	0	0	0	5.74761E-05	0.000287
349	571470.55	0	0	0	0	0	0	0	0	0	0	5.14876E-05	0.000257
350	571510.55	0	0	0	0	0	0	0	0	0	0	4.6592E-05	0.000233
351	571550.55	0	0	0	0	0	0	0	0	0	0	4.2516E-05	0.000213
352	571590.55	0	0	0	0	0	0	0	0	0	0	3.90352E-05	0.000195
353	570310.55	0	0	0	0	0	0	0	0	0	0	3.95448E-05	0.000198
354	570350.55	0	0	0	0	0	0	0	0	0	0	4.29768E-05	0.000215
355	570390.55	0	0	0	0	0	0	0	0	0	0	4.6388E-05	0.000232
356	570430.55	0	0	0	0	0	0	0	0	0	0	4.97112E-05	0.000249
357	570470.55	0	0	0	0	0	0	0	0	0	0	5.55507E-05	0.000278
358	570510.55	0	0	0	0	0	0	0	0	0	0	6.73354E-05	0.000337
359	570550.55	0	0	0	0	0	0	0	0	0	0	7.95616E-05	0.000398
360	570590.55	0	0	0	0	0	0	0	0	0	0	9.11474E-05	0.000456
361	570630.55	0	0	0	0	0	0	0	0	0	0	0.000117712	0.000589
362	570670.55	0	0	0	0	0	0	0	0	0	0	0.000149945	0.00075
363	570710.55	0	0	0	0	0	0	0	0	0	0	0.000173438	0.000867
364	570750.55	0	0	0	0	0	0	0	0	0	0	0.000193515	0.000968
365	570790.55	0	0	0	0	0	0	0	0	0	0	0.000215287	0.001076
366	570830.55	0	0	0	0	0	0	0	0	0	0	0.000234828	0.001174
367	570870.55	0	0	0	0	0	0	0	0	0	0	0.000198097	0.00099
368	571150.55	0	0	0	0	0	0	0	0	0	0	0.000876449	0.004382
369	571190.55	0	0	0	0	0	0	0	0	0	0	0.000337019	0.001685
370	571230.55	0	0	0	0	0	0	0	0	0	0	0.000245219	0.001226
371	571270.55	0	0	0	0	0	0	0	0	0	0	0.000188426	0.000942
372	571310.55	0	0	0	0	0	0	0	0	0	0	0.0001599	0.0008

373	571350.55	0	0	0	0	0	0	0	0	0	0	0.000127327	0.000637
374	571390.55	0	0	0	0	0	0	0	0	0	0	9.36165E-05	0.000468
375	571430.55	0	0	0	0	0	0	0	0	0	0	6.49381E-05	0.000325
376	571470.55	0	0	0	0	0	0	0	0	0	0	5.23823E-05	0.000262
377	571510.55	0	0	0	0	0	0	0	0	0	0	4.6942E-05	0.000235
378	571550.55	0	0	0	0	0	0	0	0	0	0	4.1689E-05	0.000208
379	571590.55	0	0	0	0	0	0	0	0	0	0	3.77175E-05	0.000189
380	570310.55	0	0	0	0	0	0	0	0	0	0	4.07176E-05	0.000204
381	570350.55	0	0	0	0	0	0	0	0	0	0	4.3355E-05	0.000217
382	570390.55	0	0	0	0	0	0	0	0	0	0	4.75339E-05	0.000238
383	570430.55	0	0	0	0	0	0	0	0	0	0	5.21159E-05	0.000261
384	570470.55	0	0	0	0	0	0	0	0	0	0	5.73095E-05	0.000287
385	570510.55	0	0	0	0	0	0	0	0	0	0	6.434E-05	0.000322
386	570550.55	0	0	0	0	0	0	0	0	0	0	7.28846E-05	0.000364
387	570590.55	0	0	0	0	0	0	0	0	0	0	8.22078E-05	0.000411
388	570630.55	0	0	0	0	0	0	0	0	0	0	0.000101323	0.000507
389	570670.55	0	0	0	0	0	0	0	0	0	0	0.000128187	0.000641
390	570710.55	0	0	0	0	0	0	0	0	0	0	0.000169894	0.000849
391	570750.55	0	0	0	0	0	0	0	0	0	0	0.000237408	0.001187
392	570790.55	0	0	0	0	0	0	0	0	0	0	0.000360508	0.001803
393	570830.55	0	0	0	0	0	0	0	0	0	0	0.000487143	0.002436
394	571110.55	0	0	0	0	0	0	0	0	0	0	0.00022087	0.001104
395	571150.55	0	0	0	0	0	0	0	0	0	0	0.000281538	0.001408
396	571190.55	0	0	0	0	0	0	0	0	0	0	0.000309056	0.001545
397	571230.55	0	0	0	0	0	0	0	0	0	0	0.000239101	0.001196
398	571270.55	0	0	0	0	0	0	0	0	0	0	0.000158048	0.00079
399	571310.55	0	0	0	0	0	0	0	0	0	0	0.000136948	0.000685
400	571350.55	0	0	0	0	0	0	0	0	0	0	0.000127867	0.000639
401	571390.55	0	0	0	0	0	0	0	0	0	0	0.000118206	0.000591
402	571430.55	0	0	0	0	0	0	0	0	0	0	0.000102665	0.000513
403	571470.55	0	0	0	0	0	0	0	0	0	0	8.38136E-05	0.000419
404	571510.55	0	0	0	0	0	0	0	0	0	0	6.48853E-05	0.000324
405	571550.55	0	0	0	0	0	0	0	0	0	0	4.80279E-05	0.00024
406	571590.55	0	0	0	0	0	0	0	0	0	0	3.50418E-05	0.000175
407	570310.55	0	0	0	0	0	0	0	0	0	0	4.47812E-05	0.000224
408	570350.55	0	0	0	0	0	0	0	0	0	0	4.82404E-05	0.000241
409	570390.55	0	0	0	0	0	0	0	0	0	0	5.22128E-05	0.000261
410	570430.55	0	0	0	0	0	0	0	0	0	0	5.67976E-05	0.000284
411	570470.55	0	0	0	0	0	0	0	0	0	0	6.21459E-05	0.000311
412	570510.55	0	0	0	0	0	0	0	0	0	0	6.86605E-05	0.000343
413	570550.55	0	0	0	0	0	0	0	0	0	0	7.66041E-05	0.000383
414	570590.55	0	0	0	0	0	0	0	0	0	0	8.66662E-05	0.000433
415	570630.55	0	0	0	0	0	0	0	0	0	0	0.000100073	0.0005
416	570670.55	0	0	0	0	0	0	0	0	0	0	0.000118862	0.000594
417	570710.55	0	0	0	0	0	0	0	0	0	0	0.000147321	0.000737
418	570750.55	0	0	0	0	0	0	0	0	0	0	0.000196137	0.000981
419	570790.55	0	0	0	0	0	0	0	0	0	0	0.000325824	0.001629

420	571070.55,	0	0	0	0	0	0	0	0	0	0	0.000144153	0.000721
421	571110.55,	0	0	0	0	0	0	0	0	0	0	0.000167227	0.000836
422	571150.55,	0	0	0	0	0	0	0	0	0	0	0.000170923	0.000855
423	571190.55,	0	0	0	0	0	0	0	0	0	0	0.000182153	0.000911
424	571230.55,	0	0	0	0	0	0	0	0	0	0	0.000202701	0.001014
425	571270.55,	0	0	0	0	0	0	0	0	0	0	0.000160663	0.000803
426	571310.55,	0	0	0	0	0	0	0	0	0	0	0.000142596	0.000713
427	571350.55,	0	0	0	0	0	0	0	0	0	0	0.000118622	0.000593
428	571390.55,	0	0	0	0	0	0	0	0	0	0	7.8707E-05	0.000394
429	571430.55,	0	0	0	0	0	0	0	0	0	0	8.60787E-05	0.00043
430	571470.55,	0	0	0	0	0	0	0	0	0	0	8.76721E-05	0.000438
431	571510.55,	0	0	0	0	0	0	0	0	0	0	8.24603E-05	0.000412
432	571550.55,	0	0	0	0	0	0	0	0	0	0	7.2807E-05	0.000364
433	571590.55,	0	0	0	0	0	0	0	0	0	0	6.09808E-05	0.000305
434	570310.55,	0	0	0	0	0	0	0	0	0	0	4.2569E-05	0.000213
435	570350.55,	0	0	0	0	0	0	0	0	0	0	4.57068E-05	0.000229
436	570390.55,	0	0	0	0	0	0	0	0	0	0	4.91446E-05	0.000246
437	570430.55,	0	0	0	0	0	0	0	0	0	0	5.30789E-05	0.000265
438	570470.55,	0	0	0	0	0	0	0	0	0	0	5.81912E-05	0.000291
439	570510.55,	0	0	0	0	0	0	0	0	0	0	6.47464E-05	0.000324
440	570550.55,	0	0	0	0	0	0	0	0	0	0	7.28801E-05	0.000364
441	570590.55,	0	0	0	0	0	0	0	0	0	0	8.25621E-05	0.000413
442	570630.55,	0	0	0	0	0	0	0	0	0	0	9.47016E-05	0.000474
443	570670.55,	0	0	0	0	0	0	0	0	0	0	0.000110334	0.000552
444	570710.55,	0	0	0	0	0	0	0	0	0	0	0.000134961	0.000675
445	570750.55,	0	0	0	0	0	0	0	0	0	0	0.000195101	0.000976
446	570790.55,	0	0	0	0	0	0	0	0	0	0	0.000340424	0.001702
447	571030.55,	0	0	0	0	0	0	0	0	0	0	0.000190935	0.000955
448	571070.55,	0	0	0	0	0	0	0	0	0	0	0.000123835	0.000619
449	571110.55,	0	0	0	0	0	0	0	0	0	0	0.000133094	0.000665
450	571150.55,	0	0	0	0	0	0	0	0	0	0	0.00013909	0.000695
451	571190.55,	0	0	0	0	0	0	0	0	0	0	0.000155798	0.000779
452	571230.55,	0	0	0	0	0	0	0	0	0	0	0.000130472	0.000652
453	571270.55,	0	0	0	0	0	0	0	0	0	0	0.000156992	0.000785
454	571310.55,	0	0	0	0	0	0	0	0	0	0	0.000127114	0.000636
455	571350.55,	0	0	0	0	0	0	0	0	0	0	0.000119966	0.0006
456	571390.55,	0	0	0	0	0	0	0	0	0	0	0.000107155	0.000536
457	571430.55,	0	0	0	0	0	0	0	0	0	0	8.04875E-05	0.000402
458	571470.55,	0	0	0	0	0	0	0	0	0	0	4.88284E-05	0.000244
459	571510.55,	0	0	0	0	0	0	0	0	0	0	5.97041E-05	0.000299
460	571550.55,	0	0	0	0	0	0	0	0	0	0	6.5209E-05	0.000326
461	571590.55,	0	0	0	0	0	0	0	0	0	0	6.54683E-05	0.000327
462	570310.55,	0	0	0	0	0	0	0	0	0	0	4.33375E-05	0.000217
463	570350.55,	0	0	0	0	0	0	0	0	0	0	4.62231E-05	0.000231
464	570390.55,	0	0	0	0	0	0	0	0	0	0	4.93236E-05	0.000247
465	570430.55,	0	0	0	0	0	0	0	0	0	0	5.33566E-05	0.000267
466	570470.55,	0	0	0	0	0	0	0	0	0	0	5.80144E-05	0.00029

467	570510.55,	0	0	0	0	0	0	0	0	0	0	6.41618E-05	0.000321
468	570550.55,	0	0	0	0	0	0	0	0	0	0	7.27045E-05	0.000364
469	570590.55,	0	0	0	0	0	0	0	0	0	0	8.37377E-05	0.000419
470	570630.55,	0	0	0	0	0	0	0	0	0	0	9.74711E-05	0.000487
471	570670.55,	0	0	0	0	0	0	0	0	0	0	0.000120168	0.000601
472	570710.55,	0	0	0	0	0	0	0	0	0	0	0.000146835	0.000734
473	570750.55,	0	0	0	0	0	0	0	0	0	0	0.000186984	0.000935
474	570790.55,	0	0	0	0	0	0	0	0	0	0	0.000193766	0.000969
475	570990.55,	0	0	0	0	0	0	0	0	0	0	0.000937902	0.00469
476	571030.55,	0	0	0	0	0	0	0	0	0	0	0.000328085	0.00164
477	571070.55,	0	0	0	0	0	0	0	0	0	0	0.000186789	0.000934
478	571110.55,	0	0	0	0	0	0	0	0	0	0	0.000111211	0.000556
479	571150.55,	0	0	0	0	0	0	0	0	0	0	0.000118805	0.000594
480	571190.55,	0	0	0	0	0	0	0	0	0	0	0.000117612	0.000588
481	571230.55,	0	0	0	0	0	0	0	0	0	0	0.000122944	0.000615
482	571270.55,	0	0	0	0	0	0	0	0	0	0	0.000111236	0.000556
483	571310.55,	0	0	0	0	0	0	0	0	0	0	0.000129928	0.00065
484	571350.55,	0	0	0	0	0	0	0	0	0	0	0.000106258	0.000531
485	571390.55,	0	0	0	0	0	0	0	0	0	0	9.45141E-05	0.000473
486	571430.55,	0	0	0	0	0	0	0	0	0	0	9.51707E-05	0.000476
487	571470.55,	0	0	0	0	0	0	0	0	0	0	7.8983E-05	0.000395
488	571510.55,	0	0	0	0	0	0	0	0	0	0	5.36632E-05	0.000268
489	571550.55,	0	0	0	0	0	0	0	0	0	0	3.70099E-05	0.000185
490	571590.55,	0	0	0	0	0	0	0	0	0	0	4.30899E-05	0.000215
491	570310.55,	0	0	0	0	0	0	0	0	0	0	4.38359E-05	0.000219
492	570350.55,	0	0	0	0	0	0	0	0	0	0	4.73572E-05	0.000237
493	570390.55,	0	0	0	0	0	0	0	0	0	0	5.16752E-05	0.000258
494	570430.55,	0	0	0	0	0	0	0	0	0	0	5.65318E-05	0.000283
495	570470.55,	0	0	0	0	0	0	0	0	0	0	6.18382E-05	0.000309
496	570510.55,	0	0	0	0	0	0	0	0	0	0	6.79122E-05	0.00034
497	570550.55,	0	0	0	0	0	0	0	0	0	0	7.92089E-05	0.000396
498	570590.55,	0	0	0	0	0	0	0	0	0	0	9.06991E-05	0.000453
499	570630.55,	0	0	0	0	0	0	0	0	0	0	0.000102932	0.000515
500	570670.55,	0	0	0	0	0	0	0	0	0	0	0.000124452	0.000622
501	570710.55,	0	0	0	0	0	0	0	0	0	0	0.0001397	0.000698
502	570750.55,	0	0	0	0	0	0	0	0	0	0	0.000157772	0.000789
503	570790.55,	0	0	0	0	0	0	0	0	0	0	0.000162998	0.000815
504	570830.55,	0	0	0	0	0	0	0	0	0	0	0.000195369	0.000977
505	570950.55,	0	0	0	0	0	0	0	0	0	0	0.000387727	0.001939
506	570990.55,	0	0	0	0	0	0	0	0	0	0	0.000364713	0.001824
507	571030.55,	0	0	0	0	0	0	0	0	0	0	0.000320661	0.001603
508	571070.55,	0	0	0	0	0	0	0	0	0	0	0.000166545	0.000833
509	571110.55,	0	0	0	0	0	0	0	0	0	0	0.000164618	0.000823
510	571150.55,	0	0	0	0	0	0	0	0	0	0	0.000137311	0.000687
511	571190.55,	0	0	0	0	0	0	0	0	0	0	0.000101153	0.000506
512	571230.55,	0	0	0	0	0	0	0	0	0	0	0.000110099	0.00055
513	571270.55,	0	0	0	0	0	0	0	0	0	0	9.54576E-05	0.000477

514	571310.55,	0	0	0	0	0	0	0	0	0	0	9.65848E-05	0.000483
515	571350.55,	0	0	0	0	0	0	0	0	0	0	0.000110733	0.000554
516	571390.55,	0	0	0	0	0	0	0	0	0	0	9.02204E-05	0.000451
517	571430.55,	0	0	0	0	0	0	0	0	0	0	7.85784E-05	0.000393
518	571470.55,	0	0	0	0	0	0	0	0	0	0	8.1914E-05	0.00041
519	571510.55,	0	0	0	0	0	0	0	0	0	0	7.47654E-05	0.000374
520	571550.55,	0	0	0	0	0	0	0	0	0	0	5.68162E-05	0.000284
521	571590.55,	0	0	0	0	0	0	0	0	0	0	3.62492E-05	0.000181
522	570310.55,	0	0	0	0	0	0	0	0	0	0	4.74996E-05	0.000237
523	570350.55,	0	0	0	0	0	0	0	0	0	0	5.05365E-05	0.000253
524	570390.55,	0	0	0	0	0	0	0	0	0	0	5.32147E-05	0.000266
525	570430.55,	0	0	0	0	0	0	0	0	0	0	5.90754E-05	0.000295
526	570470.55,	0	0	0	0	0	0	0	0	0	0	6.59762E-05	0.00033
527	570510.55,	0	0	0	0	0	0	0	0	0	0	7.31242E-05	0.000366
528	570550.55,	0	0	0	0	0	0	0	0	0	0	8.08845E-05	0.000404
529	570590.55,	0	0	0	0	0	0	0	0	0	0	9.23482E-05	0.000462
530	570630.55,	0	0	0	0	0	0	0	0	0	0	0.000106769	0.000534
531	570670.55,	0	0	0	0	0	0	0	0	0	0	0.000116415	0.000582
532	570710.55,	0	0	0	0	0	0	0	0	0	0	0.000129369	0.000647
533	570750.55,	0	0	0	0	0	0	0	0	0	0	0.000138993	0.000695
534	570790.55,	0	0	0	0	0	0	0	0	0	0	0.000149248	0.000746
535	570830.55,	0	0	0	0	0	0	0	0	0	0	0.000175803	0.000879
536	570870.55,	0	0	0	0	0	0	0	0	0	0	0.000245478	0.001227
537	570910.55,	0	0	0	0	0	0	0	0	0	0	0.000317331	0.001587
538	570950.55,	0	0	0	0	0	0	0	0	0	0	0.00032169	0.001608
539	570990.55,	0	0	0	0	0	0	0	0	0	0	0.000221159	0.001106
540	571030.55,	0	0	0	0	0	0	0	0	0	0	0.000252189	0.001261
541	571070.55,	0	0	0	0	0	0	0	0	0	0	0.000184462	0.000922
542	571110.55,	0	0	0	0	0	0	0	0	0	0	0.000162882	0.000814
543	571150.55,	0	0	0	0	0	0	0	0	0	0	0.000104171	0.000521
544	571190.55,	0	0	0	0	0	0	0	0	0	0	0.000108032	0.00054
545	571230.55,	0	0	0	0	0	0	0	0	0	0	0.000101037	0.000505
546	571270.55,	0	0	0	0	0	0	0	0	0	0	9.16015E-05	0.000458
547	571310.55,	0	0	0	0	0	0	0	0	0	0	7.53366E-05	0.000377
548	571350.55,	0	0	0	0	0	0	0	0	0	0	8.5526E-05	0.000428
549	571390.55,	0	0	0	0	0	0	0	0	0	0	9.61363E-05	0.000481
550	571430.55,	0	0	0	0	0	0	0	0	0	0	7.77123E-05	0.000389
551	571470.55,	0	0	0	0	0	0	0	0	0	0	6.73187E-05	0.000337
552	571510.55,	0	0	0	0	0	0	0	0	0	0	6.85278E-05	0.000343
553	571550.55,	0	0	0	0	0	0	0	0	0	0	6.84743E-05	0.000342
554	571590.55,	0	0	0	0	0	0	0	0	0	0	5.72772E-05	0.000286
555	570310.55,	0	0	0	0	0	0	0	0	0	0	4.78866E-05	0.000239
556	570350.55,	0	0	0	0	0	0	0	0	0	0	5.28566E-05	0.000264
557	570390.55,	0	0	0	0	0	0	0	0	0	0	5.73682E-05	0.000287
558	570430.55,	0	0	0	0	0	0	0	0	0	0	6.13375E-05	0.000307
559	570470.55,	0	0	0	0	0	0	0	0	0	0	6.65507E-05	0.000333
560	570510.55,	0	0	0	0	0	0	0	0	0	0	7.24807E-05	0.000362

561	570550.55	0	0	0	0	0	0	0	0	0	0	8.49134E-05	0.000425
562	570590.55	0	0	0	0	0	0	0	0	0	0	9.26989E-05	0.000463
563	570630.55	0	0	0	0	0	0	0	0	0	0	0.00010114	0.000506
564	570670.55	0	0	0	0	0	0	0	0	0	0	0.000110785	0.000554
565	570710.55	0	0	0	0	0	0	0	0	0	0	0.000118443	0.000592
566	570750.55	0	0	0	0	0	0	0	0	0	0	0.000125221	0.000626
567	570790.55	0	0	0	0	0	0	0	0	0	0	0.000135571	0.000678
568	570830.55	0	0	0	0	0	0	0	0	0	0	0.000168568	0.000843
569	570870.55	0	0	0	0	0	0	0	0	0	0	0.000181295	0.000906
570	570910.55	0	0	0	0	0	0	0	0	0	0	0.000189996	0.00095
571	570950.55	0	0	0	0	0	0	0	0	0	0	0.000186573	0.000933
572	570990.55	0	0	0	0	0	0	0	0	0	0	0.000177918	0.00089
573	571030.55	0	0	0	0	0	0	0	0	0	0	0.000150336	0.000752
574	571070.55	0	0	0	0	0	0	0	0	0	0	0.000184747	0.000924
575	571110.55	0	0	0	0	0	0	0	0	0	0	0.000132105	0.000661
576	571150.55	0	0	0	0	0	0	0	0	0	0	0.000134282	0.000671
577	571190.55	0	0	0	0	0	0	0	0	0	0	8.57231E-05	0.000429
578	571230.55	0	0	0	0	0	0	0	0	0	0	7.46566E-05	0.000373
579	571270.55	0	0	0	0	0	0	0	0	0	0	8.43208E-05	0.000422
580	571310.55	0	0	0	0	0	0	0	0	0	0	7.7878E-05	0.000389
581	571350.55	0	0	0	0	0	0	0	0	0	0	7.11857E-05	0.000356
582	571390.55	0	0	0	0	0	0	0	0	0	0	7.68479E-05	0.000384
583	571430.55	0	0	0	0	0	0	0	0	0	0	8.43243E-05	0.000422
584	571470.55	0	0	0	0	0	0	0	0	0	0	6.77837E-05	0.000339
585	571510.55	0	0	0	0	0	0	0	0	0	0	5.99581E-05	0.0003
586	571550.55	0	0	0	0	0	0	0	0	0	0	5.7992E-05	0.00029
587	571590.55	0	0	0	0	0	0	0	0	0	0	6.09678E-05	0.000305
588	570310.55	0	0	0	0	0	0	0	0	0	0	5.04381E-05	0.000252
589	570350.55	0	0	0	0	0	0	0	0	0	0	5.31989E-05	0.000266
590	570390.55	0	0	0	0	0	0	0	0	0	0	5.67227E-05	0.000284
591	570430.55	0	0	0	0	0	0	0	0	0	0	6.04867E-05	0.000302
592	570470.55	0	0	0	0	0	0	0	0	0	0	6.94561E-05	0.000347
593	570510.55	0	0	0	0	0	0	0	0	0	0	7.72776E-05	0.000386
594	570550.55	0	0	0	0	0	0	0	0	0	0	8.11312E-05	0.000406
595	570590.55	0	0	0	0	0	0	0	0	0	0	8.98894E-05	0.000449
596	570630.55	0	0	0	0	0	0	0	0	0	0	9.75009E-05	0.000488
597	570670.55	0	0	0	0	0	0	0	0	0	0	0.000103504	0.000518
598	570710.55	0	0	0	0	0	0	0	0	0	0	0.000106158	0.000531
599	570750.55	0	0	0	0	0	0	0	0	0	0	0.000111408	0.000557
600	570790.55	0	0	0	0	0	0	0	0	0	0	0.000132766	0.000664
601	570830.55	0	0	0	0	0	0	0	0	0	0	0.000142887	0.000714
602	570870.55	0	0	0	0	0	0	0	0	0	0	0.000153978	0.00077
603	570910.55	0	0	0	0	0	0	0	0	0	0	0.000148379	0.000742
604	570950.55	0	0	0	0	0	0	0	0	0	0	0.000138677	0.000693
605	570990.55	0	0	0	0	0	0	0	0	0	0	0.000146052	0.00073
606	571030.55	0	0	0	0	0	0	0	0	0	0	0.000128019	0.00064
607	571070.55	0	0	0	0	0	0	0	0	0	0	0.000133636	0.000668

608	571110.55	0	0	0	0	0	0	0	0	0	0	0.000142511	0.000713
609	571150.55	0	0	0	0	0	0	0	0	0	0	0.000105086	0.000525
610	571190.55	0	0	0	0	0	0	0	0	0	0	0.000109632	0.000548
611	571230.55	0	0	0	0	0	0	0	0	0	0	8.73093E-05	0.000437
612	571270.55	0	0	0	0	0	0	0	0	0	0	7.11755E-05	0.000356
613	571310.55	0	0	0	0	0	0	0	0	0	0	7.18245E-05	0.000359
614	571350.55	0	0	0	0	0	0	0	0	0	0	6.36157E-05	0.000318
615	571390.55	0	0	0	0	0	0	0	0	0	0	6.13976E-05	0.000307
616	571430.55	0	0	0	0	0	0	0	0	0	0	6.97044E-05	0.000349
617	571470.55	0	0	0	0	0	0	0	0	0	0	7.46555E-05	0.000373
618	571510.55	0	0	0	0	0	0	0	0	0	0	5.97598E-05	0.000299
619	571550.55	0	0	0	0	0	0	0	0	0	0	5.36112E-05	0.000268
620	571590.55	0	0	0	0	0	0	0	0	0	0	5.16675E-05	0.000258
621	570310.55	0	0	0	0	0	0	0	0	0	0	4.91284E-05	0.000246
622	570350.55	0	0	0	0	0	0	0	0	0	0	5.1712E-05	0.000259
623	570390.55	0	0	0	0	0	0	0	0	0	0	5.8218E-05	0.000291
624	570430.55	0	0	0	0	0	0	0	0	0	0	6.52326E-05	0.000326
625	570470.55	0	0	0	0	0	0	0	0	0	0	6.97401E-05	0.000349
626	570510.55	0	0	0	0	0	0	0	0	0	0	7.24362E-05	0.000362
627	570550.55	0	0	0	0	0	0	0	0	0	0	8.09382E-05	0.000405
628	570590.55	0	0	0	0	0	0	0	0	0	0	8.71354E-05	0.000436
629	570630.55	0	0	0	0	0	0	0	0	0	0	9.14897E-05	0.000457
630	570670.55	0	0	0	0	0	0	0	0	0	0	9.0887E-05	0.000454
631	570710.55	0	0	0	0	0	0	0	0	0	0	9.61721E-05	0.000481
632	570750.55	0	0	0	0	0	0	0	0	0	0	0.000110327	0.000552
633	570790.55	0	0	0	0	0	0	0	0	0	0	0.000119077	0.000595
634	570830.55	0	0	0	0	0	0	0	0	0	0	0.000117794	0.000589
635	570870.55	0	0	0	0	0	0	0	0	0	0	0.000119143	0.000596
636	570910.55	0	0	0	0	0	0	0	0	0	0	0.000120615	0.000603
637	570950.55	0	0	0	0	0	0	0	0	0	0	0.000118298	0.000591
638	570990.55	0	0	0	0	0	0	0	0	0	0	0.000117957	0.00059
639	571030.55	0	0	0	0	0	0	0	0	0	0	0.00012007	0.0006
640	571070.55	0	0	0	0	0	0	0	0	0	0	0.000103726	0.000519
641	571110.55	0	0	0	0	0	0	0	0	0	0	0.000118646	0.000593
642	571150.55	0	0	0	0	0	0	0	0	0	0	0.000114471	0.000572
643	571190.55	0	0	0	0	0	0	0	0	0	0	8.81066E-05	0.000441
644	571230.55	0	0	0	0	0	0	0	0	0	0	9.11545E-05	0.000456
645	571270.55	0	0	0	0	0	0	0	0	0	0	8.22625E-05	0.000411
646	571310.55	0	0	0	0	0	0	0	0	0	0	6.76212E-05	0.000338
647	571350.55	0	0	0	0	0	0	0	0	0	0	6.23343E-05	0.000312
648	571390.55	0	0	0	0	0	0	0	0	0	0	5.01088E-05	0.000251
649	571430.55	0	0	0	0	0	0	0	0	0	0	4.62339E-05	0.000231
650	571470.55	0	0	0	0	0	0	0	0	0	0	6.35894E-05	0.000318
651	571510.55	0	0	0	0	0	0	0	0	0	0	6.65983E-05	0.000333
652	571550.55	0	0	0	0	0	0	0	0	0	0	5.32108E-05	0.000266
653	571590.55	0	0	0	0	0	0	0	0	0	0	4.80667E-05	0.00024
654	570310.55	0	0	0	0	0	0	0	0	0	0	4.95901E-05	0.000248

655	570350.55	0	0	0	0	0	0	0	0	0	0	5.58742E-05	0.000279
656	570390.55	0	0	0	0	0	0	0	0	0	0	6.03246E-05	0.000302
657	570430.55	0	0	0	0	0	0	0	0	0	0	6.23536E-05	0.000312
658	570470.55	0	0	0	0	0	0	0	0	0	0	6.72546E-05	0.000336
659	570510.55	0	0	0	0	0	0	0	0	0	0	7.32459E-05	0.000366
660	570550.55	0	0	0	0	0	0	0	0	0	0	7.85675E-05	0.000393
661	570590.55	0	0	0	0	0	0	0	0	0	0	8.12061E-05	0.000406
662	570630.55	0	0	0	0	0	0	0	0	0	0	7.95001E-05	0.000398
663	570670.55	0	0	0	0	0	0	0	0	0	0	8.52701E-05	0.000426
664	570710.55	0	0	0	0	0	0	0	0	0	0	9.40776E-05	0.00047
665	570750.55	0	0	0	0	0	0	0	0	0	0	0.000102414	0.000512
666	570790.55	0	0	0	0	0	0	0	0	0	0	9.50129E-05	0.000475
667	570830.55	0	0	0	0	0	0	0	0	0	0	0.000107764	0.000539
668	570870.55	0	0	0	0	0	0	0	0	0	0	9.84261E-05	0.000492
669	570910.55	0	0	0	0	0	0	0	0	0	0	0.000100682	0.000503
670	570950.55	0	0	0	0	0	0	0	0	0	0	0.000103091	0.000515
671	570990.55	0	0	0	0	0	0	0	0	0	0	8.64142E-05	0.000432
672	571030.55	0	0	0	0	0	0	0	0	0	0	0.000107079	0.000535
673	571070.55	0	0	0	0	0	0	0	0	0	0	9.35178E-05	0.000468
674	571110.55	0	0	0	0	0	0	0	0	0	0	8.96443E-05	0.000448
675	571150.55	0	0	0	0	0	0	0	0	0	0	0.000104973	0.000525
676	571190.55	0	0	0	0	0	0	0	0	0	0	9.49133E-05	0.000475
677	571230.55	0	0	0	0	0	0	0	0	0	0	7.59538E-05	0.00038
678	571270.55	0	0	0	0	0	0	0	0	0	0	7.6442E-05	0.000382
679	571310.55	0	0	0	0	0	0	0	0	0	0	7.48551E-05	0.000374
680	571350.55	0	0	0	0	0	0	0	0	0	0	5.89313E-05	0.000295
681	571390.55	0	0	0	0	0	0	0	0	0	0	5.43719E-05	0.000272
682	571430.55	0	0	0	0	0	0	0	0	0	0	3.76361E-05	0.000188
683	571470.55	0	0	0	0	0	0	0	0	0	0	4.24E-05	0.000212
684	571510.55	0	0	0	0	0	0	0	0	0	0	5.83073E-05	0.000292
685	571550.55	0	0	0	0	0	0	0	0	0	0	5.98229E-05	0.000299
686	571590.55	0	0	0	0	0	0	0	0	0	0	4.77326E-05	0.000239
687	570310.55	0	0	0	0	0	0	0	0	0	0	5.26434E-05	0.000263
688	570350.55	0	0	0	0	0	0	0	0	0	0	5.50467E-05	0.000275
689	570390.55	0	0	0	0	0	0	0	0	0	0	5.52181E-05	0.000276
690	570430.55	0	0	0	0	0	0	0	0	0	0	6.2501E-05	0.000313
691	570470.55	0	0	0	0	0	0	0	0	0	0	6.64324E-05	0.000332
692	570510.55	0	0	0	0	0	0	0	0	0	0	7.12275E-05	0.000356
693	570550.55	0	0	0	0	0	0	0	0	0	0	7.24471E-05	0.000362
694	570590.55	0	0	0	0	0	0	0	0	0	0	7.00704E-05	0.00035
695	570630.55	0	0	0	0	0	0	0	0	0	0	7.64732E-05	0.000382
696	570670.55	0	0	0	0	0	0	0	0	0	0	8.10418E-05	0.000405
697	570710.55	0	0	0	0	0	0	0	0	0	0	8.9696E-05	0.000448
698	570750.55	0	0	0	0	0	0	0	0	0	0	8.71728E-05	0.000436
699	570790.55	0	0	0	0	0	0	0	0	0	0	9.00601E-05	0.00045
700	570830.55	0	0	0	0	0	0	0	0	0	0	9.27064E-05	0.000464
701	570870.55	0	0	0	0	0	0	0	0	0	0	9.07987E-05	0.000454

702	570910.55	0	0	0	0	0	0	0	0	0	0	8.5982E-05	0.00043
703	570950.55	0	0	0	0	0	0	0	0	0	0	9.11002E-05	0.000456
704	570990.55	0	0	0	0	0	0	0	0	0	0	6.83098E-05	0.000342
705	571030.55	0	0	0	0	0	0	0	0	0	0	8.8593E-05	0.000443
706	571070.55	0	0	0	0	0	0	0	0	0	0	9.05346E-05	0.000453
707	571110.55	0	0	0	0	0	0	0	0	0	0	7.64914E-05	0.000382
708	571150.55	0	0	0	0	0	0	0	0	0	0	8.02161E-05	0.000401
709	571190.55	0	0	0	0	0	0	0	0	0	0	9.28903E-05	0.000464
710	571230.55	0	0	0	0	0	0	0	0	0	0	8.05135E-05	0.000403
711	571270.55	0	0	0	0	0	0	0	0	0	0	6.6536E-05	0.000333
712	571310.55	0	0	0	0	0	0	0	0	0	0	6.38097E-05	0.000319
713	571350.55	0	0	0	0	0	0	0	0	0	0	6.67466E-05	0.000334
714	571390.55	0	0	0	0	0	0	0	0	0	0	5.80308E-05	0.00029
715	571430.55	0	0	0	0	0	0	0	0	0	0	4.49418E-05	0.000225
716	571470.55	0	0	0	0	0	0	0	0	0	0	2.72738E-05	0.000136
717	571510.55	0	0	0	0	0	0	0	0	0	0	4.08235E-05	0.000204
718	571550.55	0	0	0	0	0	0	0	0	0	0	5.37168E-05	0.000269
719	571590.55	0	0	0	0	0	0	0	0	0	0	5.40899E-05	0.00027
720	570310.55	0	0	0	0	0	0	0	0	0	0	4.96327E-05	0.000248
721	570350.55	0	0	0	0	0	0	0	0	0	0	5.25863E-05	0.000263
722	570390.55	0	0	0	0	0	0	0	0	0	0	5.79977E-05	0.00029
723	570430.55	0	0	0	0	0	0	0	0	0	0	6.03742E-05	0.000302
724	570470.55	0	0	0	0	0	0	0	0	0	0	6.48234E-05	0.000324
725	570510.55	0	0	0	0	0	0	0	0	0	0	6.53399E-05	0.000327
726	570550.55	0	0	0	0	0	0	0	0	0	0	6.2421E-05	0.000312
727	570590.55	0	0	0	0	0	0	0	0	0	0	6.91206E-05	0.000346
728	570630.55	0	0	0	0	0	0	0	0	0	0	7.18537E-05	0.000359
729	570670.55	0	0	0	0	0	0	0	0	0	0	7.92282E-05	0.000396
730	570710.55	0	0	0	0	0	0	0	0	0	0	7.97649E-05	0.000399
731	570750.55	0	0	0	0	0	0	0	0	0	0	7.38499E-05	0.000369
732	570790.55	0	0	0	0	0	0	0	0	0	0	8.45245E-05	0.000423
733	570830.55	0	0	0	0	0	0	0	0	0	0	7.79614E-05	0.00039
734	570870.55	0	0	0	0	0	0	0	0	0	0	8.33351E-05	0.000417
735	570910.55	0	0	0	0	0	0	0	0	0	0	7.47205E-05	0.000374
736	570950.55	0	0	0	0	0	0	0	0	0	0	8.18576E-05	0.000409
737	570990.55	0	0	0	0	0	0	0	0	0	0	6.59818E-05	0.00033
738	571030.55	0	0	0	0	0	0	0	0	0	0	7.00471E-05	0.00035
739	571070.55	0	0	0	0	0	0	0	0	0	0	8.32368E-05	0.000416
740	571110.55	0	0	0	0	0	0	0	0	0	0	7.48535E-05	0.000374
741	571150.55	0	0	0	0	0	0	0	0	0	0	5.71315E-05	0.000286
742	571190.55	0	0	0	0	0	0	0	0	0	0	7.29661E-05	0.000365
743	571230.55	0	0	0	0	0	0	0	0	0	0	8.2432E-05	0.000412
744	571270.55	0	0	0	0	0	0	0	0	0	0	6.95358E-05	0.000348
745	571310.55	0	0	0	0	0	0	0	0	0	0	5.89211E-05	0.000295
746	571350.55	0	0	0	0	0	0	0	0	0	0	5.65486E-05	0.000283
747	571390.55	0	0	0	0	0	0	0	0	0	0	5.86597E-05	0.000293
748	571430.55	0	0	0	0	0	0	0	0	0	0	5.52033E-05	0.000276

749	571470.55	0	0	0	0	0	0	0	0	0	0	4.39956E-05	0.00022
750	571510.55	0	0	0	0	0	0	0	0	0	0	3.0092E-05	0.00015
751	571550.55	0	0	0	0	0	0	0	0	0	0	3.91904E-05	0.000196
752	571590.55	0	0	0	0	0	0	0	0	0	0	4.96246E-05	0.000248
753	570839.17	0	0	0	0	0	0	0	0	0	0	0.00063587	0.003179
754	570839.17	0	0	0	0	0	0	0	0	0	0	0.001487561	0.007438
755	570879.17	0	0	0	0	0	0	0	0	0	0	0.000373568	0.001868
756	570879.17	0	0	0	0	0	0	0	0	0	0	0.001899036	0.009495
757	570879.17	0	0	0	0	0	0	0	0	0	0	0.000270203	0.001351
758	570879.17	0	0	0	0	0	0	0	0	0	0	0.001902961	0.009515
759	570879.17	0	0	0	0	0	0	0	0	0	0	0.000295561	0.001478
760	570919.17	0	0	0	0	0	0	0	0	0	0	0.00016014	0.000801
761	570919.17	0	0	0	0	0	0	0	0	0	0	0.000221409	0.001107
762	570919.17	0	0	0	0	0	0	0	0	0	0	0.000434486	0.002172
763	570919.17	0	0	0	0	0	0	0	0	0	0	0.000566142	0.002831
764	570919.17	0	0	0	0	0	0	0	0	0	0	0.000244642	0.001223
765	570919.17	0	0	0	0	0	0	0	0	0	0	0.002020746	0.010104
766	570959.17	0	0	0	0	0	0	0	0	0	0	0.00016013	0.000801
767	570959.17	0	0	0	0	0	0	0	0	0	0	0.000138168	0.000691
768	570959.17	0	0	0	0	0	0	0	0	0	0	0.00017919	0.000896
769	570959.17	0	0	0	0	0	0	0	0	0	0	0.000269125	0.001346
770	570959.17	0	0	0	0	0	0	0	0	0	0	0.000758228	0.003791
771	570959.17	0	0	0	0	0	0	0	0	0	0	0.001988994	0.009945
772	570999.17	0	0	0	0	0	0	0	0	0	0	0.000308867	0.001544
773	570999.17	0	0	0	0	0	0	0	0	0	0	0.000191623	0.000958
774	570999.17	0	0	0	0	0	0	0	0	0	0	0.000147884	0.000739
775	570999.17	0	0	0	0	0	0	0	0	0	0	0.000154223	0.000771
776	570999.17	0	0	0	0	0	0	0	0	0	0	0.00020878	0.001044
777	570999.17	0	0	0	0	0	0	0	0	0	0	0.000334113	0.001671
778	571039.17	0	0	0	0	0	0	0	0	0	0	0.000489068	0.002445
779	571039.17	0	0	0	0	0	0	0	0	0	0	0.00070694	0.003535
780	571039.17	0	0	0	0	0	0	0	0	0	0	0.000253691	0.001268
781	571039.17	0	0	0	0	0	0	0	0	0	0	0.000177435	0.000887
782	571039.17	0	0	0	0	0	0	0	0	0	0	0.000143018	0.000715
783	571039.17	0	0	0	0	0	0	0	0	0	0	0.000155321	0.000777
784	571079.17	0	0	0	0	0	0	0	0	0	0	0.000391612	0.001958
785	571079.17	0	0	0	0	0	0	0	0	0	0	0.000546243	0.002731
786	571079.17	0	0	0	0	0	0	0	0	0	0	0.000452698	0.002263
787	571079.17	0	0	0	0	0	0	0	0	0	0	0.000239686	0.001198
788	571079.17	0	0	0	0	0	0	0	0	0	0	0.000177362	0.000887
789	571119.17	0	0	0	0	0	0	0	0	0	0	0.000290094	0.00145
790	571119.17	0	0	0	0	0	0	0	0	0	0	0.001907132	0.009536
791	571119.17	0	0	0	0	0	0	0	0	0	0	0.0003597	0.001798
792	571159.17	0	0	0	0	0	0	0	0	0	0	0.001780143	0.008901
793	570808.82	0	0	0	0	0	0	0	0	0	0	0.000714587	0.003573
794	570823.91	0	0	0	0	0	0	0	0	0	0	0.000204899	0.001024
795	570883.31	0	0	0	0	0	0	0	0	0	0	0.000274118	0.001371

796	571181.45	0	0	0	0	0	0	0	0	0	0	0.001472909	0.007365
797	571067.83	0	0	0	0	0	0	0	0	0	0	0.000510997	0.002555
798	570799.89	0	0	0	0	0	0	0	0	0	0	0.000417776	0.002089

#	X,Y	Unmitigated 8hr Hazard 1	2	3	4	5	6	7	8	9	10	Total 8hr	8hr Hazard
1	570310.55,	2.98E-05	1.02E-09	9.76E-09	1.98E-07	3.78E-08	1.39E-06	5.71E-07	2.66E-06	2.86E-09	1.19E-08	3.47E-05	0.0023
2	570350.55,	3.39E-05	1.16E-09	1.11E-08	2.25E-07	4.29E-08	1.58E-06	6.49E-07	3.02E-06	3.25E-09	1.35E-08	3.939E-05	0.0026
3	570390.55,	3.73E-05	1.28E-09	1.22E-08	2.47E-07	4.73E-08	1.74E-06	7.14E-07	3.33E-06	3.58E-09	1.48E-08	4.339E-05	0.0029
4	570430.55,	3.94E-05	1.35E-09	1.29E-08	2.61E-07	4.99E-08	1.83E-06	7.54E-07	3.51E-06	3.77E-09	1.57E-08	4.581E-05	0.0031
5	570470.55,	3.94E-05	1.35E-09	1.29E-08	2.61E-07	4.99E-08	1.83E-06	7.54E-07	3.51E-06	3.77E-09	1.57E-08	4.581E-05	0.0031
6	570510.55,	3.89E-05	1.33E-09	1.28E-08	2.58E-07	4.94E-08	1.82E-06	7.46E-07	3.47E-06	3.73E-09	1.55E-08	4.532E-05	0.003
7	570550.55,	4.42E-05	1.51E-09	1.45E-08	2.93E-07	5.60E-08	2.06E-06	8.46E-07	3.94E-06	4.23E-09	1.76E-08	5.139E-05	0.0034
8	570590.55,	4.48E-05	1.53E-09	1.47E-08	2.97E-07	5.68E-08	2.09E-06	8.58E-07	3.99E-06	4.29E-09	1.78E-08	5.21E-05	0.0035
9	570630.55,	4.66E-05	1.60E-09	1.53E-08	3.09E-07	5.90E-08	2.17E-06	8.92E-07	4.15E-06	4.46E-09	1.85E-08	5.418E-05	0.0036
10	570670.55,	5.35E-05	1.83E-09	1.75E-08	3.55E-07	6.78E-08	2.49E-06	1.02E-06	4.77E-06	5.13E-09	2.13E-08	6.225E-05	0.0042
11	570710.55,	5.08E-05	1.74E-09	1.66E-08	3.37E-07	6.44E-08	2.37E-06	9.73E-07	4.53E-06	4.87E-09	2.02E-08	5.909E-05	0.0039
12	570750.55,	5.46E-05	1.87E-09	1.79E-08	3.62E-07	6.92E-08	2.54E-06	1.05E-06	4.87E-06	5.23E-09	2.17E-08	6.353E-05	0.0042
13	570790.55,	5.62E-05	1.93E-09	1.84E-08	3.73E-07	7.12E-08	2.62E-06	1.08E-06	5.01E-06	5.38E-09	2.23E-08	6.536E-05	0.0044
14	570830.55,	5.69E-05	1.95E-09	1.86E-08	3.77E-07	7.21E-08	2.65E-06	1.09E-06	5.07E-06	5.45E-09	2.26E-08	6.618E-05	0.0044
15	570870.55,	6.28E-05	2.15E-09	2.06E-08	4.17E-07	7.96E-08	2.93E-06	1.20E-06	5.60E-06	6.02E-09	2.50E-08	7.308E-05	0.0049
16	570910.55,	7.12E-05	2.44E-09	2.33E-08	4.73E-07	9.03E-08	3.32E-06	1.36E-06	6.36E-06	6.83E-09	2.83E-08	8.289E-05	0.0055
17	570950.55,	8.70E-05	2.98E-09	2.85E-08	5.78E-07	1.10E-07	4.06E-06	1.67E-06	7.77E-06	8.35E-09	3.46E-08	0.0001013	0.0068
18	570990.55,	7.98E-05	2.73E-09	2.61E-08	5.29E-07	1.01E-07	3.72E-06	1.53E-06	7.12E-06	7.65E-09	3.17E-08	9.284E-05	0.0062
19	571030.55,	7.59E-05	2.60E-09	2.49E-08	5.04E-07	9.62E-08	3.54E-06	1.45E-06	6.77E-06	7.28E-09	3.02E-08	8.833E-05	0.0059
20	571070.55,	7.16E-05	2.46E-09	2.35E-08	4.75E-07	9.08E-08	3.34E-06	1.37E-06	6.39E-06	6.87E-09	2.85E-08	8.336E-05	0.0056
21	571110.55,	8.94E-05	3.07E-09	2.93E-08	5.93E-07	1.13E-07	4.17E-06	1.71E-06	7.98E-06	8.57E-09	3.56E-08	0.0001041	0.0069
22	571150.55,	9.32E-05	3.19E-09	3.05E-08	6.18E-07	1.18E-07	4.34E-06	1.78E-06	8.31E-06	8.93E-09	3.71E-08	0.0001084	0.0072
23	571190.55,	8.69E-05	2.98E-09	2.85E-08	5.77E-07	1.10E-07	4.05E-06	1.67E-06	7.76E-06	8.34E-09	3.46E-08	0.0001012	0.0067
24	571230.55,	9.37E-05	3.21E-09	3.07E-08	6.22E-07	1.19E-07	4.37E-06	1.80E-06	8.36E-06	8.99E-09	3.73E-08	0.0001091	0.0073
25	571270.55,	8.24E-05	2.82E-09	2.70E-08	5.47E-07	1.04E-07	3.84E-06	1.58E-06	7.35E-06	7.90E-09	3.28E-08	9.59E-05	0.0064
26	571310.55,	7.96E-05	2.73E-09	2.61E-08	5.28E-07	1.01E-07	3.71E-06	1.52E-06	7.10E-06	7.63E-09	3.17E-08	9.263E-05	0.0062
27	571350.55,	7.40E-05	2.54E-09	2.42E-08	4.91E-07	9.38E-08	3.45E-06	1.42E-06	6.60E-06	7.10E-09	2.94E-08	8.613E-05	0.0057
28	571390.55,	7.75E-05	2.66E-09	2.54E-08	5.14E-07	9.83E-08	3.61E-06	1.48E-06	6.91E-06	7.43E-09	3.08E-08	9.019E-05	0.006
29	571430.55,	7.68E-05	2.63E-09	2.52E-08	5.10E-07	9.74E-08	3.58E-06	1.47E-06	6.85E-06	7.36E-09	3.06E-08	8.938E-05	0.006
30	571470.55,	7.44E-05	2.55E-09	2.44E-08	4.94E-07	9.44E-08	3.47E-06	1.43E-06	6.64E-06	7.14E-09	2.96E-08	8.661E-05	0.0058
31	571510.55,	6.74E-05	2.31E-09	2.21E-08	4.47E-07	8.55E-08	3.14E-06	1.29E-06	6.02E-06	6.47E-09	2.68E-08	7.849E-05	0.0052
32	571550.55,	6.23E-05	2.14E-09	2.04E-08	4.14E-07	7.90E-08	2.91E-06	1.19E-06	5.56E-06	5.98E-09	2.48E-08	7.256E-05	0.0048
33	571590.55,	5.22E-05	1.79E-09	1.71E-08	3.47E-07	6.62E-08	2.44E-06	1.00E-06	4.66E-06	5.01E-09	2.08E-08	6.08E-05	0.0041
34	570310.55,	3.14E-05	1.08E-09	1.03E-08	2.08E-07	3.98E-08	1.46E-06	6.01E-07	2.80E-06	3.01E-09	1.25E-08	3.653E-05	0.0024
35	570350.55,	3.25E-05	1.12E-09	1.07E-08	2.16E-07	4.12E-08	1.52E-06	6.23E-07	2.90E-06	3.12E-09	1.29E-08	3.786E-05	0.0025
36	570390.55,	3.48E-05	1.19E-09	1.14E-08	2.31E-07	4.41E-08	1.62E-06	6.66E-07	3.10E-06	3.33E-09	1.38E-08	4.046E-05	0.0027
37	570430.55,	3.90E-05	1.34E-09	1.28E-08	2.59E-07	4.95E-08	1.82E-06	7.48E-07	3.48E-06	3.74E-09	1.55E-08	4.541E-05	0.003
38	570470.55,	4.35E-05	1.49E-09	1.42E-08	2.88E-07	5.51E-08	2.03E-06	8.33E-07	3.88E-06	4.17E-09	1.73E-08	5.059E-05	0.0034
39	570510.55,	4.59E-05	1.57E-09	1.50E-08	3.05E-07	5.82E-08	2.14E-06	8.80E-07	4.10E-06	4.40E-09	1.83E-08	5.346E-05	0.0036
40	570550.55,	4.55E-05	1.56E-09	1.49E-08	3.02E-07	5.77E-08	2.12E-06	8.72E-07	4.06E-06	4.36E-09	1.81E-08	5.295E-05	0.0035
41	570590.55,	4.83E-05	1.66E-09	1.58E-08	3.21E-07	6.13E-08	2.25E-06	9.26E-07	4.31E-06	4.64E-09	1.92E-08	5.626E-05	0.0038
42	570630.55,	5.20E-05	1.78E-09	1.70E-08	3.45E-07	6.59E-08	2.42E-06	9.96E-07	4.64E-06	4.99E-09	2.07E-08	6.052E-05	0.004
43	570670.55,	5.69E-05	1.95E-09	1.86E-08	3.78E-07	7.22E-08	2.65E-06	1.09E-06	5.08E-06	5.46E-09	2.26E-08	6.624E-05	0.0044
44	570710.55,	5.71E-05	1.96E-09	1.87E-08	3.79E-07	7.24E-08	2.66E-06	1.09E-06	5.10E-06	5.48E-09	2.27E-08	6.649E-05	0.0044
45	570750.55,	5.82E-05	2.00E-09	1.91E-08	3.86E-07	7.38E-08	2.71E-06	1.12E-06	5.20E-06	5.58E-09	2.32E-08	6.776E-05	0.0045
46	570790.55,	6.27E-05	2.15E-09	2.05E-08	4.16E-07	7.95E-08	2.92E-06	1.20E-06	5.59E-06	6.01E-09	2.49E-08	7.295E-05	0.0049
47	570830.55,	6.36E-05	2.18E-09	2.08E-08	4.22E-07	8.06E-08	2.96E-06	1.22E-06	5.67E-06	6.10E-09	2.53E-08	7.398E-05	0.0049
48	570870.55,	6.75E-05	2.31E-09	2.21E-08	4.48E-07	8.56E-08	3.15E-06	1.29E-06	6.02E-06	6.47E-09	2.69E-08	7.855E-05	0.0052
49	570910.55,	7.10E-05	2.43E-09	2.33E-08	4.71E-07	9.00E-08	3.31E-06	1.36E-06	6.34E-06	6.81E-09	2.83E-08	8.265E-05	0.0055
50	570950.55,	9.45E-05	3.24E-09	3.10E-08	6.27E-07	1.20E-07	4.41E-06	1.81E-06	8.44E-06	9.07E-09	3.76E-08	0.00011	0.0073
51	570990.55,	9.36E-05	3.21E-09	3.07E-08	6.21E-07	1.19E-07	4.36E-06	1.79E-06	8.35E-06	8.97E-09	3.72E-08	0.0001089	0.0073
52	571030.55,	8.41E-05	2.88E-09	2.75E-08	5.58E-07	1.07E-07	3.92E-06	1.61E-06	7.50E-06	8.06E-09	3.35E-08	9.787E-05	0.0065
53	571070.55,	8.30E-05	2.84E-09	2.72E-08	5.50E-07	1.05E-07	3.87E-06	1.59E-06	7.40E-06	7.95E-09	3.30E-08	9.653E-05	0.0064
54	571110.55,	1.00E-04	3.44E-09	3.29E-08	6.66E-07	1.27E-07	4.68E-06	1.92E-06	8.96E-06	9.63E-09	3.99E-08	0.0001168	0.0078
55	571150.55,	1.01E-04	3.47E-09	3.31E-08	6.71E-07	1.28E-07	4.72E-06	1.94E-06	9.03E-06	9.70E-09	4.03E-08	0.0001177	0.0078
56	571190.55,	1.02E-04	3.50E-09	3.34E-08	6.77E-07	1.29E-07	4.76E-06	1.96E-06	9.11E-06	9.79E-09	4.06E-08	0.0001188	0.0079
57	571230.55,	9.84E-05	3.37E-09	3.22E-08	6.53E-07	1.25E-07	4.59E-06	1.89E-06	8.78E-06	9.44E-09	3.92E-08	0.0001145	0.0076
58	571270.55,	8.74E-05	3.00E-09	2.86E-08	5.80E-07	1.11E-07	4.07E-06	1.67E-06	7.80E-06	8.38E-09	3.48E-08	0.0001017	0.0068
59	571310.55,	8.29E-05	2.84E-09	2.72E-08	5.50E-07	1.05E-07	3.86E-06	1.59E-06	7.40E-06	7.95E-09	3.30E-08	9.649E-05	0.0064
60	571350.55,	8.54E-05	2.93E-09	2.80E-08	5.67E-07	1.08E-07	3.98E-06	1.64E-06	7.62E-06	8.19E-09	3.40E-08	9.942E-05	0.0066
61	571390.55,	8.44E-05	2.89E-09	2.76E-08	5.60E-07	1.07E-07	3.93E-06	1.62E-06	7.53E-06	8.09E-09	3.36E-08	9.819E-05	0.0065
62	571430.55,	8.18E-05	2.81E-09	2.68E-08	5.43E-07	1.04E-07	3.81E-06	1.57E-06	7.30E-06	7.85E-09	3.26E-08	9.525E-05	0.0063
63	571470.55,	7.40E-05	2.54E-09	2.42E-08	4.91E-07	9.38E-08	3.45E-06	1.42E-06	6.60E-06	7.10E-09	2.95E-08	8.613E-05	0.0057
64	571510.55,	6.75E-05	2.31E-09	2.21E-08	4.48E-07	8.56E-08	3.15E-06	1.29E-06	6.02E-06	6.47E-09	2.69E-08	7.856E-05	0.0052
65	571550.55,	5.54E-05	1.90E-09	1.81E-08	3.67E-07	7.02E-08	2.58E-06	1.06E-06	4.94E-06	5.31E-09	2.20E-08	6.446E-05	0.0043

66	571590.55,	5.69E-05	1.95E-09	1.87E-08	3.78E-07	7.22E-08	2.65E-06	1.09E-06	5.08E-06	5.46E-09	2.27E-08	6.627E-05	0.0044
67	570310.55,	3.40E-05	1.16E-09	1.11E-08	2.25E-07	4.31E-08	1.58E-06	6.51E-07	3.03E-06	3.26E-09	1.35E-08	3.952E-05	0.0026
68	570350.55,	3.48E-05	1.19E-09	1.14E-08	2.31E-07	4.42E-08	1.62E-06	6.68E-07	3.11E-06	3.34E-09	1.39E-08	4.056E-05	0.0027
69	570390.55,	3.60E-05	1.23E-09	1.18E-08	2.39E-07	4.56E-08	1.68E-06	6.89E-07	3.21E-06	3.45E-09	1.43E-08	4.186E-05	0.0028
70	570430.55,	3.85E-05	1.32E-09	1.26E-08	2.55E-07	4.88E-08	1.79E-06	7.38E-07	3.44E-06	3.69E-09	1.53E-08	4.481E-05	0.003
71	570470.55,	4.04E-05	1.39E-09	1.32E-08	2.68E-07	5.12E-08	1.88E-06	7.74E-07	3.61E-06	3.87E-09	1.61E-08	4.703E-05	0.0031
72	570510.55,	4.60E-05	1.58E-09	1.51E-08	3.05E-07	5.83E-08	2.14E-06	8.81E-07	4.10E-06	4.41E-09	1.83E-08	5.353E-05	0.0036
73	570550.55,	5.18E-05	1.78E-09	1.70E-08	3.44E-07	6.57E-08	2.42E-06	9.93E-07	4.62E-06	4.97E-09	2.06E-08	6.031E-05	0.004
74	570590.55,	5.46E-05	1.87E-09	1.79E-08	3.62E-07	6.92E-08	2.55E-06	1.05E-06	4.87E-06	5.24E-09	2.17E-08	6.356E-05	0.0042
75	570630.55,	5.31E-05	1.82E-09	1.74E-08	3.53E-07	6.74E-08	2.48E-06	1.02E-06	4.74E-06	5.09E-09	2.11E-08	6.184E-05	0.0041
76	570670.55,	5.96E-05	2.04E-09	1.95E-08	3.96E-07	7.56E-08	2.78E-06	1.14E-06	5.32E-06	5.72E-09	2.37E-08	6.941E-05	0.0046
77	570710.55,	6.35E-05	2.18E-09	2.08E-08	4.21E-07	8.05E-08	2.96E-06	1.22E-06	5.67E-06	6.09E-09	2.53E-08	7.393E-05	0.0049
78	570750.55,	6.60E-05	2.26E-09	2.16E-08	4.38E-07	8.37E-08	3.08E-06	1.26E-06	5.89E-06	6.33E-09	2.63E-08	7.684E-05	0.0051
79	570790.55,	6.77E-05	2.32E-09	2.22E-08	4.49E-07	8.58E-08	3.15E-06	1.30E-06	6.04E-06	6.49E-09	2.69E-08	7.877E-05	0.0053
80	570830.55,	7.37E-05	2.53E-09	2.41E-08	4.89E-07	9.34E-08	3.43E-06	1.41E-06	6.57E-06	7.07E-09	2.93E-08	8.575E-05	0.0057
81	570870.55,	7.25E-05	2.49E-09	2.38E-08	4.81E-07	9.20E-08	3.38E-06	1.39E-06	6.47E-06	6.95E-09	2.89E-08	8.441E-05	0.0056
82	570910.55,	8.17E-05	2.80E-09	2.68E-08	5.42E-07	1.04E-07	3.81E-06	1.57E-06	7.29E-06	7.84E-09	3.25E-08	9.511E-05	0.0063
83	570950.55,	9.64E-05	3.30E-09	3.16E-08	6.39E-07	1.22E-07	4.49E-06	1.85E-06	8.60E-06	9.24E-09	3.84E-08	0.0001122	0.0075
84	570990.55,	1.12E-04	3.85E-09	3.68E-08	7.45E-07	1.42E-07	5.23E-06	2.15E-06	1.00E-05	1.08E-08	4.47E-08	0.0001306	0.0087
85	571030.55,	9.69E-05	3.32E-09	3.17E-08	6.43E-07	1.23E-07	4.52E-06	1.86E-06	8.64E-06	9.29E-09	3.85E-08	0.0001127	0.0075
86	571070.55,	9.70E-05	3.32E-09	3.18E-08	6.43E-07	1.23E-07	4.52E-06	1.86E-06	8.65E-06	9.30E-09	3.86E-08	0.0001129	0.0075
87	571110.55,	1.13E-04	3.88E-09	3.71E-08	7.50E-07	1.43E-07	5.27E-06	2.17E-06	1.01E-05	1.08E-08	4.50E-08	0.0001316	0.0088
88	571150.55,	1.10E-04	3.78E-09	3.61E-08	7.31E-07	1.40E-07	5.14E-06	2.11E-06	9.83E-06	1.06E-08	4.39E-08	0.0001283	0.0086
89	571190.55,	1.15E-04	3.94E-09	3.76E-08	7.62E-07	1.46E-07	5.36E-06	2.20E-06	1.03E-05	1.10E-08	4.57E-08	0.0001337	0.0089
90	571230.55,	9.99E-05	3.42E-09	3.27E-08	6.63E-07	1.27E-07	4.65E-06	1.91E-06	8.91E-06	9.58E-09	3.97E-08	0.0001162	0.0077
91	571270.55,	9.47E-05	3.25E-09	3.10E-08	6.28E-07	1.20E-07	4.41E-06	1.81E-06	8.45E-06	9.08E-09	3.77E-08	0.0001102	0.0073
92	571310.55,	9.45E-05	3.24E-09	3.10E-08	6.27E-07	1.20E-07	4.40E-06	1.81E-06	8.43E-06	9.06E-09	3.76E-08	0.00011	0.0073
93	571350.55,	9.34E-05	3.20E-09	3.06E-08	6.20E-07	1.18E-07	4.35E-06	1.79E-06	8.33E-06	8.96E-09	3.72E-08	0.0001087	0.0072
94	571390.55,	9.06E-05	3.10E-09	2.97E-08	6.01E-07	1.15E-07	4.22E-06	1.74E-06	8.08E-06	8.68E-09	3.60E-08	0.0001054	0.007
95	571430.55,	8.17E-05	2.80E-09	2.68E-08	5.42E-07	1.04E-07	3.81E-06	1.57E-06	7.29E-06	7.83E-09	3.25E-08	9.508E-05	0.0063
96	571470.55,	7.35E-05	2.52E-09	2.41E-08	4.88E-07	9.32E-08	3.43E-06	1.41E-06	6.56E-06	7.05E-09	2.93E-08	8.555E-05	0.0057
97	571510.55,	6.25E-05	2.14E-09	2.05E-08	4.15E-07	7.92E-08	2.91E-06	1.20E-06	5.58E-06	5.99E-09	2.49E-08	7.272E-05	0.0048
98	571550.55,	6.55E-05	2.25E-09	2.15E-08	4.35E-07	8.31E-08	3.05E-06	1.26E-06	5.85E-06	6.28E-09	2.61E-08	7.628E-05	0.0051
99	571590.55,	6.46E-05	2.22E-09	2.12E-08	4.29E-07	8.19E-08	3.01E-06	1.24E-06	5.77E-06	6.20E-09	2.57E-08	7.521E-05	0.005
100	570310.55,	3.33E-05	1.14E-09	1.09E-08	2.21E-07	4.22E-08	1.55E-06	6.38E-07	2.97E-06	3.19E-09	1.33E-08	3.877E-05	0.0026
101	570350.55,	3.72E-05	1.27E-09	1.22E-08	2.47E-07	4.72E-08	1.73E-06	7.13E-07	3.32E-06	3.57E-09	1.48E-08	4.328E-05	0.0029
102	570390.55,	3.91E-05	1.34E-09	1.28E-08	2.59E-07	4.96E-08	1.82E-06	7.49E-07	3.49E-06	3.75E-09	1.56E-08	4.551E-05	0.003
103	570430.55,	4.02E-05	1.38E-09	1.32E-08	2.66E-07	5.09E-08	1.87E-06	7.69E-07	3.58E-06	3.85E-09	1.60E-08	4.673E-05	0.0031
104	570470.55,	4.30E-05	1.47E-09	1.41E-08	2.85E-07	5.45E-08	2.00E-06	8.23E-07	3.83E-06	4.12E-09	1.71E-08	5.001E-05	0.0033
105	570510.55,	4.50E-05	1.54E-09	1.48E-08	2.99E-07	5.71E-08	2.10E-06	8.63E-07	4.02E-06	4.32E-09	1.79E-08	5.241E-05	0.0035
106	570550.55,	4.59E-05	1.57E-09	1.50E-08	3.05E-07	5.82E-08	2.14E-06	8.80E-07	4.10E-06	4.40E-09	1.83E-08	5.344E-05	0.0036
107	570590.55,	5.56E-05	1.91E-09	1.82E-08	3.69E-07	7.05E-08	2.59E-06	1.07E-06	4.96E-06	5.33E-09	2.21E-08	6.472E-05	0.0043
108	570630.55,	6.32E-05	2.17E-09	2.07E-08	4.20E-07	8.02E-08	2.95E-06	1.21E-06	5.64E-06	6.06E-09	2.52E-08	7.361E-05	0.0049
109	570670.55,	6.63E-05	2.27E-09	2.17E-08	4.40E-07	8.41E-08	3.09E-06	1.27E-06	5.92E-06	6.36E-09	2.64E-08	7.718E-05	0.0051
110	570710.55,	7.00E-05	2.40E-09	2.29E-08	4.65E-07	8.88E-08	3.26E-06	1.34E-06	6.25E-06	6.72E-09	2.79E-08	8.152E-05	0.0054
111	570750.55,	7.31E-05	2.51E-09	2.40E-08	4.85E-07	9.27E-08	3.41E-06	1.40E-06	6.52E-06	7.01E-09	2.91E-08	8.51E-05	0.0057
112	570790.55,	7.70E-05	2.64E-09	2.52E-08	5.11E-07	9.76E-08	3.59E-06	1.48E-06	6.87E-06	7.38E-09	3.06E-08	8.961E-05	0.006
113	570830.55,	8.01E-05	2.75E-09	2.63E-08	5.32E-07	1.02E-07	3.74E-06	1.54E-06	7.15E-06	7.68E-09	3.19E-08	9.327E-05	0.0062
114	570870.55,	8.79E-05	3.01E-09	2.88E-08	5.83E-07	1.11E-07	4.10E-06	1.68E-06	7.84E-06	8.43E-09	3.50E-08	0.0001023	0.0068
115	570910.55,	8.51E-05	2.92E-09	2.79E-08	5.65E-07	1.08E-07	3.97E-06	1.63E-06	7.60E-06	8.16E-09	3.39E-08	9.909E-05	0.0066
116	570950.55,	9.83E-05	3.37E-09	3.22E-08	6.52E-07	1.25E-07	4.58E-06	1.88E-06	8.77E-06	9.43E-09	3.91E-08	0.0001144	0.0076
117	570990.55,	1.29E-04	4.41E-09	4.21E-08	8.53E-07	1.63E-07	6.00E-06	2.46E-06	1.15E-05	1.23E-08	5.12E-08	0.0001497	0.01
118	571030.55,	1.19E-04	4.08E-09	3.90E-08	7.91E-07	1.51E-07	5.55E-06	2.28E-06	1.06E-05	1.14E-08	4.74E-08	0.0001387	0.0092
119	571070.55,	1.15E-04	3.94E-09	3.76E-08	7.62E-07	1.46E-07	5.35E-06	2.20E-06	1.02E-05	1.10E-08	4.57E-08	0.0001337	0.0089
120	571110.55,	1.30E-04	4.44E-09	4.24E-08	8.59E-07	1.64E-07	6.04E-06	2.48E-06	1.16E-05	1.24E-08	5.15E-08	0.0001507	0.01
121	571150.55,	1.28E-04	4.37E-09	4.18E-08	8.46E-07	1.62E-07	5.95E-06	2.44E-06	1.14E-05	1.22E-08	5.08E-08	0.0001485	0.0099
122	571190.55,	1.23E-04	4.21E-09	4.02E-08	8.14E-07	1.56E-07	5.72E-06	2.35E-06	1.10E-05	1.18E-08	4.88E-08	0.0001429	0.0095
123	571230.55,	1.09E-04	3.72E-09	3.56E-08	7.21E-07	1.38E-07	5.06E-06	2.08E-06	9.69E-06	1.04E-08	4.32E-08	0.0001264	0.0084
124	571270.55,	1.06E-04	3.63E-09	3.47E-08	7.02E-07	1.34E-07	4.93E-06	2.03E-06	9.45E-06	1.02E-08	4.21E-08	0.0001232	0.0082
125	571310.55,	1.04E-04	3.58E-09	3.42E-08	6.93E-07	1.32E-07	4.87E-06	2.00E-06	9.32E-06	1.00E-08	4.16E-08	0.0001216	0.0081
126	571350.55,	1.01E-04	3.46E-09	3.31E-08	6.70E-07	1.28E-07	4.71E-06	1.93E-06	9.01E-06	9.68E-09	4.02E-08	0.0001175	0.0078
127	571390.55,	9.08E-05	3.11E-09	2.97E-08	6.02E-07	1.15E-07	4.23E-06	1.74E-06	8.10E-06	8.70E-09	3.61E-08	0.0001056	0.007
128	571430.55,	8.07E-05	2.77E-09	2.64E-08	5.36E-07	1.02E-07	3.76E-06	1.55E-06	7.20E-06	7.74E-09	3.21E-08	9.395E-05	0.0063
129	571470.55,	7.40E-05	2.54E-09	2.42E-08	4.91E-07	9.38E-08	3.45E-06	1.42E-06	6.60E-06	7.09E-09	2.94E-08	8.608E-05	0.0057
130	571510.55,	7.46E-05	2.56E-09	2.45E-08	4.95E-07	9.46E-08	3.48E-06	1.43E-06	6.66E-06	7.16E-09	2.97E-08	8.687E-05	0.0058
131	571550.55,	7.06E-05	2.42E-09	2.31E-08	4.69E-07	8.95E-08	3.29E-06	1.35E-06	6.30E-06	6.77E-09	2.81E-08	8.219E-05	0.0055
132	571590.55,	6.30E-05	2.16E-09	2.06E-08	4.18E-07	7.99E-08	2.94E-06	1.21E-06	5.62E-06	6.04E-09	2.51E-08	7.334E-05	0.0049
133	570310.55,	3.94E-05	1.35E-09	1.29E-08	2.61E-07	5.00E-08	1.84E-06	7.55E-07	3.52E-06	3.78E-09	1.57E-08	4.585E-05	0.0031
134	570350.55,	3.86E-05	1.32E-09	1.27E-08	2.56E-07	4.90E-08	1.80E-06	7.40E-07	3.45E-06	3.71E-09	1.54E-08	4.497E-05	0.003

135	570390.55,	4.08E-05	1.40E-09	1.34E-08	2.71E-07	5.17E-08	1.90E-06	7.82E-07	3.64E-06	3.91E-09	1.62E-08	4.747E-05	0.0032
136	570430.55,	4.41E-05	1.51E-09	1.45E-08	2.93E-07	5.60E-08	2.06E-06	8.46E-07	3.94E-06	4.23E-09	1.76E-08	5.136E-05	0.0034
137	570470.55,	4.50E-05	1.54E-09	1.47E-08	2.98E-07	5.70E-08	2.10E-06	8.62E-07	4.01E-06	4.31E-09	1.79E-08	5.236E-05	0.0035
138	570510.55,	4.84E-05	1.66E-09	1.59E-08	3.21E-07	6.14E-08	2.26E-06	9.28E-07	4.32E-06	4.64E-09	1.93E-08	5.635E-05	0.0038
139	570550.55,	5.06E-05	1.73E-09	1.66E-08	3.35E-07	6.41E-08	2.36E-06	9.69E-07	4.51E-06	4.85E-09	2.01E-08	5.884E-05	0.0039
140	570590.55,	5.11E-05	1.75E-09	1.67E-08	3.39E-07	6.48E-08	2.38E-06	9.79E-07	4.56E-06	4.90E-09	2.03E-08	5.944E-05	0.004
141	570630.55,	5.58E-05	1.91E-09	1.83E-08	3.70E-07	7.07E-08	2.60E-06	1.07E-06	4.98E-06	5.35E-09	2.22E-08	6.491E-05	0.0043
142	570670.55,	6.93E-05	2.38E-09	2.27E-08	4.60E-07	8.79E-08	3.23E-06	1.33E-06	6.19E-06	6.65E-09	2.76E-08	8.067E-05	0.0054
143	570710.55,	7.97E-05	2.73E-09	2.61E-08	5.29E-07	1.01E-07	3.71E-06	1.53E-06	7.11E-06	7.64E-09	3.17E-08	9.271E-05	0.0062
144	570750.55,	8.27E-05	2.84E-09	2.71E-08	5.49E-07	1.05E-07	3.86E-06	1.59E-06	7.38E-06	7.93E-09	3.29E-08	9.63E-05	0.0064
145	570790.55,	8.80E-05	3.02E-09	2.88E-08	5.84E-07	1.12E-07	4.10E-06	1.69E-06	7.85E-06	8.44E-09	3.50E-08	0.0001024	0.0068
146	570830.55,	9.10E-05	3.12E-09	2.98E-08	6.03E-07	1.15E-07	4.24E-06	1.74E-06	8.12E-06	8.72E-09	3.62E-08	0.0001059	0.0071
147	570870.55,	9.87E-05	3.39E-09	3.23E-08	6.55E-07	1.25E-07	4.60E-06	1.89E-06	8.81E-06	9.47E-09	3.93E-08	0.0001149	0.0077
148	570910.55,	1.06E-04	3.65E-09	3.49E-08	7.06E-07	1.35E-07	4.96E-06	2.04E-06	9.49E-06	1.02E-08	4.23E-08	0.0001238	0.0083
149	570950.55,	1.19E-04	4.08E-09	3.90E-08	7.90E-07	1.51E-07	5.55E-06	2.28E-06	1.06E-05	1.14E-08	4.74E-08	0.0001386	0.0092
150	570990.55,	1.38E-04	4.74E-09	4.53E-08	9.17E-07	1.75E-07	6.44E-06	2.65E-06	1.23E-05	1.33E-08	5.50E-08	0.0001609	0.0107
151	571030.55,	1.53E-04	5.26E-09	5.02E-08	1.02E-06	1.94E-07	7.15E-06	2.94E-06	1.37E-05	1.47E-08	6.10E-08	0.0001784	0.0119
152	571070.55,	1.39E-04	4.76E-09	4.55E-08	9.21E-07	1.76E-07	6.47E-06	2.66E-06	1.24E-05	1.33E-08	5.52E-08	0.0001616	0.0108
153	571110.55,	1.53E-04	5.25E-09	5.01E-08	1.02E-06	1.94E-07	7.13E-06	2.93E-06	1.37E-05	1.47E-08	6.09E-08	0.0001781	0.0119
154	571150.55,	1.51E-04	5.18E-09	4.95E-08	1.00E-06	1.91E-07	7.04E-06	2.89E-06	1.35E-05	1.45E-08	6.01E-08	0.0001757	0.0117
155	571190.55,	1.27E-04	4.34E-09	4.15E-08	8.40E-07	1.60E-07	5.90E-06	2.42E-06	1.13E-05	1.21E-08	5.04E-08	0.0001473	0.0098
156	571230.55,	1.21E-04	4.15E-09	3.97E-08	8.04E-07	1.54E-07	5.65E-06	2.32E-06	1.08E-05	1.16E-08	4.82E-08	0.000141	0.0094
157	571270.55,	1.19E-04	4.07E-09	3.89E-08	7.88E-07	1.51E-07	5.53E-06	2.27E-06	1.06E-05	1.14E-08	4.72E-08	0.0001382	0.0092
158	571310.55,	1.14E-04	3.90E-09	3.72E-08	7.54E-07	1.44E-07	5.30E-06	2.18E-06	1.01E-05	1.09E-08	4.52E-08	0.0001323	0.0088
159	571350.55,	1.02E-04	3.49E-09	3.33E-08	6.75E-07	1.29E-07	4.74E-06	1.95E-06	9.08E-06	9.76E-09	4.05E-08	0.0001184	0.0079
160	571390.55,	8.97E-05	3.08E-09	2.94E-08	5.95E-07	1.14E-07	4.18E-06	1.72E-06	8.01E-06	8.60E-09	3.57E-08	0.0001044	0.007
161	571430.55,	8.68E-05	2.97E-09	2.84E-08	5.76E-07	1.10E-07	4.04E-06	1.66E-06	7.74E-06	8.32E-09	3.45E-08	0.000101	0.0067
162	571470.55,	8.39E-05	2.88E-09	2.75E-08	5.57E-07	1.06E-07	3.91E-06	1.61E-06	7.49E-06	8.05E-09	3.34E-08	9.765E-05	0.0065
163	571510.55,	7.59E-05	2.60E-09	2.49E-08	5.04E-07	9.62E-08	3.54E-06	1.45E-06	6.77E-06	7.28E-09	3.02E-08	8.833E-05	0.0059
164	571550.55,	6.63E-05	2.27E-09	2.17E-08	4.40E-07	8.40E-08	3.09E-06	1.27E-06	5.91E-06	6.36E-09	2.64E-08	7.714E-05	0.0051
165	571590.55,	6.01E-05	2.06E-09	1.97E-08	3.99E-07	7.62E-08	2.80E-06	1.15E-06	5.36E-06	5.76E-09	2.39E-08	6.996E-05	0.0047
166	570310.55,	3.81E-05	1.31E-09	1.25E-08	2.53E-07	4.83E-08	1.78E-06	7.30E-07	3.40E-06	3.65E-09	1.52E-08	4.435E-05	0.003
167	570350.55,	4.36E-05	1.50E-09	1.43E-08	2.89E-07	5.53E-08	2.03E-06	8.36E-07	3.89E-06	4.18E-09	1.74E-08	5.078E-05	0.0034
168	570390.55,	4.51E-05	1.55E-09	1.48E-08	2.99E-07	5.72E-08	2.10E-06	8.65E-07	4.03E-06	4.33E-09	1.80E-08	5.254E-05	0.0035
169	570430.55,	4.50E-05	1.54E-09	1.47E-08	2.98E-07	5.70E-08	2.10E-06	8.61E-07	4.01E-06	4.31E-09	1.79E-08	5.232E-05	0.0035
170	570470.55,	5.01E-05	1.72E-09	1.64E-08	3.32E-07	6.35E-08	2.34E-06	9.60E-07	4.47E-06	4.81E-09	1.99E-08	5.832E-05	0.0039
171	570510.55,	5.10E-05	1.75E-09	1.67E-08	3.38E-07	6.46E-08	2.37E-06	9.76E-07	4.55E-06	4.89E-09	2.03E-08	5.929E-05	0.004
172	570550.55,	5.52E-05	1.89E-09	1.81E-08	3.66E-07	7.00E-08	2.57E-06	1.06E-06	4.93E-06	5.30E-09	2.20E-08	6.428E-05	0.0043
173	570590.55,	5.72E-05	1.96E-09	1.88E-08	3.80E-07	7.26E-08	2.67E-06	1.10E-06	5.11E-06	5.49E-09	2.28E-08	6.662E-05	0.0044
174	570630.55,	6.11E-05	2.10E-09	2.00E-08	4.06E-07	7.75E-08	2.85E-06	1.17E-06	5.45E-06	5.86E-09	2.43E-08	7.114E-05	0.0047
175	570670.55,	6.65E-05	2.28E-09	2.18E-08	4.41E-07	8.43E-08	3.10E-06	1.27E-06	5.93E-06	6.38E-09	2.65E-08	7.74E-05	0.0052
176	570710.55,	7.24E-05	2.48E-09	2.37E-08	4.81E-07	9.19E-08	3.38E-06	1.39E-06	6.46E-06	6.95E-09	2.88E-08	8.431E-05	0.0056
177	570750.55,	9.02E-05	3.09E-09	2.95E-08	5.98E-07	1.14E-07	4.20E-06	1.73E-06	8.05E-06	8.65E-09	3.59E-08	0.0001049	0.007
178	570790.55,	1.04E-04	3.58E-09	3.42E-08	6.93E-07	1.32E-07	4.87E-06	2.00E-06	9.32E-06	1.00E-08	4.16E-08	0.0001216	0.0081
179	570830.55,	1.07E-04	3.65E-09	3.49E-08	7.07E-07	1.35E-07	4.97E-06	2.04E-06	9.51E-06	1.02E-08	4.24E-08	0.000124	0.0083
180	570870.55,	1.12E-04	3.84E-09	3.67E-08	7.43E-07	1.42E-07	5.22E-06	2.14E-06	9.99E-06	1.07E-08	4.45E-08	0.0001302	0.0087
181	570910.55,	1.24E-04	4.25E-09	4.06E-08	8.22E-07	1.57E-07	5.77E-06	2.37E-06	1.11E-05	1.19E-08	4.93E-08	0.0001442	0.0096
182	570950.55,	1.38E-04	4.72E-09	4.51E-08	9.14E-07	1.75E-07	6.42E-06	2.64E-06	1.23E-05	1.32E-08	5.48E-08	0.0001603	0.0107
183	570990.55,	1.73E-04	5.92E-09	5.66E-08	1.15E-06	2.19E-07	8.05E-06	3.31E-06	1.54E-05	1.66E-08	6.88E-08	0.0002011	0.0134
184	571030.55,	1.92E-04	6.57E-09	6.28E-08	1.27E-06	2.43E-07	8.93E-06	3.67E-06	1.71E-05	1.84E-08	7.62E-08	0.000223	0.0149
185	571070.55,	1.73E-04	5.94E-09	5.68E-08	1.15E-06	2.20E-07	8.08E-06	3.32E-06	1.55E-05	1.66E-08	6.90E-08	0.0002017	0.0134
186	571110.55,	1.83E-04	6.26E-09	5.99E-08	1.21E-06	2.32E-07	8.52E-06	3.50E-06	1.63E-05	1.75E-08	7.27E-08	0.0002126	0.0142
187	571150.55,	1.67E-04	5.72E-09	5.46E-08	1.11E-06	2.11E-07	7.77E-06	3.19E-06	1.49E-05	1.60E-08	6.63E-08	0.000194	0.0129
188	571190.55,	1.45E-04	4.98E-09	4.76E-08	9.64E-07	1.84E-07	6.77E-06	2.78E-06	1.30E-05	1.39E-08	5.78E-08	0.000169	0.0113
189	571230.55,	1.38E-04	4.74E-09	4.53E-08	9.17E-07	1.75E-07	6.44E-06	2.65E-06	1.23E-05	1.32E-08	5.50E-08	0.0001608	0.0107
190	571270.55,	1.30E-04	4.45E-09	4.25E-08	8.61E-07	1.65E-07	6.05E-06	2.49E-06	1.16E-05	1.24E-08	5.17E-08	0.0001511	0.0101
191	571310.55,	1.17E-04	4.01E-09	3.83E-08	7.75E-07	1.48E-07	5.45E-06	2.24E-06	1.04E-05	1.12E-08	4.65E-08	0.000136	0.0091
192	571350.55,	1.02E-04	3.49E-09	3.34E-08	6.76E-07	1.29E-07	4.75E-06	1.95E-06	9.09E-06	9.77E-09	4.05E-08	0.0001185	0.0079
193	571390.55,	1.01E-04	3.46E-09	3.31E-08	6.69E-07	1.28E-07	4.70E-06	1.93E-06	9.00E-06	9.68E-09	4.02E-08	0.0001174	0.0078
194	571430.55,	9.33E-05	3.20E-09	3.06E-08	6.19E-07	1.18E-07	4.35E-06	1.79E-06	8.32E-06	8.94E-09	3.71E-08	0.0001086	0.0072
195	571470.55,	7.99E-05	2.74E-09	2.62E-08	5.30E-07	1.01E-07	3.72E-06	1.53E-06	7.13E-06	7.66E-09	3.18E-08	9.299E-05	0.0062
196	571510.55,	7.47E-05	2.56E-09	2.45E-08	4.96E-07	9.48E-08	3.48E-06	1.43E-06	6.67E-06	7.17E-09	2.97E-08	8.698E-05	0.0058
197	571550.55,	7.50E-05	2.57E-09	2.46E-08	4.98E-07	9.51E-08	3.50E-06	1.44E-06	6.69E-06	7.19E-09	2.99E-08	8.732E-05	0.0058
198	571590.55,	7.33E-05	2.51E-09	2.40E-08	4.86E-07	9.29E-08	3.42E-06	1.40E-06	6.54E-06	7.03E-09	2.92E-08	8.528E-05	0.0057
199	570310.55,	4.59E-05	1.57E-09	1.50E-08	3.04E-07	5.82E-08	2.14E-06	8.79E-07	4.09E-06	4.40E-09	1.83E-08	5.339E-05	0.0036
200	570350.55,	4.61E-05	1.58E-09	1.51E-08	3.06E-07	5.84E-08	2.15E-06	8.83E-07	4.11E-06	4.42E-09	1.83E-08	5.363E-05	0.0036
201	570390.55,	4.73E-05	1.62E-09	1.55E-08	3.14E-07	6.00E-08	2.20E-06	9.06E-07	4.22E-06	4.54E-09	1.88E-08	5.504E-05	0.0037
202	570430.55,	5.22E-05	1.79E-09	1.71E-08	3.46E-07	6.61E-08	2.43E-06	9.99E-07	4.65E-06	5.00E-09	2.08E-08	6.07E-05	0.004
203	570470.55,	5.06E-05	1.73E-09	1.66E-08	3.36E-07	6.41E-08	2.36E-06	9.69E-07	4.51E-06	4.85E-09	2.01E-08	5.887E-05	0.0039

204	570510.55,	5.73E-05	1.96E-09	1.88E-08	3.80E-07	7.27E-08	2.67E-06	1.10E-06	5.11E-06	5.50E-09	2.28E-08	6.67E-05	0.0044
205	570550.55,	5.86E-05	2.01E-09	1.92E-08	3.89E-07	7.43E-08	2.73E-06	1.12E-06	5.23E-06	5.62E-09	2.33E-08	6.82E-05	0.0045
206	570590.55,	6.38E-05	2.19E-09	2.09E-08	4.23E-07	8.09E-08	2.97E-06	1.22E-06	5.69E-06	6.12E-09	2.54E-08	7.426E-05	0.005
207	570630.55,	6.54E-05	2.24E-09	2.14E-08	4.34E-07	8.29E-08	3.05E-06	1.25E-06	5.83E-06	6.27E-09	2.60E-08	7.605E-05	0.0051
208	570670.55,	6.89E-05	2.36E-09	2.26E-08	4.57E-07	8.74E-08	3.21E-06	1.32E-06	6.15E-06	6.61E-09	2.74E-08	8.024E-05	0.0053
209	570710.55,	7.72E-05	2.64E-09	2.53E-08	5.12E-07	9.78E-08	3.60E-06	1.48E-06	6.88E-06	7.40E-09	3.07E-08	8.978E-05	0.006
210	570750.55,	9.65E-05	3.31E-09	3.16E-08	6.40E-07	1.22E-07	4.50E-06	1.85E-06	8.61E-06	9.26E-09	3.84E-08	0.0001123	0.0075
211	570790.55,	9.79E-05	3.36E-09	3.21E-08	6.50E-07	1.24E-07	4.57E-06	1.88E-06	8.74E-06	9.39E-09	3.90E-08	0.000114	0.0076
212	570830.55,	1.25E-04	4.28E-09	4.09E-08	8.29E-07	1.58E-07	5.82E-06	2.39E-06	1.11E-05	1.20E-08	4.97E-08	0.0001454	0.0097
213	570870.55,	1.45E-04	4.96E-09	4.74E-08	9.59E-07	1.83E-07	6.74E-06	2.77E-06	1.29E-05	1.39E-08	5.75E-08	0.0001683	0.0112
214	570910.55,	1.44E-04	4.94E-09	4.72E-08	9.56E-07	1.83E-07	6.72E-06	2.76E-06	1.29E-05	1.38E-08	5.74E-08	0.0001677	0.0112
215	570950.55,	1.68E-04	5.76E-09	5.51E-08	1.12E-06	2.13E-07	7.84E-06	3.22E-06	1.50E-05	1.61E-08	6.69E-08	0.0001957	0.013
216	570990.55,	2.18E-04	7.47E-09	7.14E-08	1.45E-06	2.76E-07	1.02E-05	4.18E-06	1.95E-05	2.09E-08	8.68E-08	0.0002538	0.0169
217	571030.55,	2.82E-04	9.67E-09	9.24E-08	1.87E-06	3.58E-07	1.31E-05	5.40E-06	2.52E-05	2.70E-08	1.12E-07	0.0003282	0.0219
218	571070.55,	2.42E-04	8.28E-09	7.92E-08	1.60E-06	3.06E-07	1.13E-05	4.63E-06	2.16E-05	2.32E-08	9.62E-08	0.0002812	0.0187
219	571110.55,	2.36E-04	8.08E-09	7.72E-08	1.56E-06	2.99E-07	1.10E-05	4.52E-06	2.10E-05	2.26E-08	9.38E-08	0.0002744	0.0183
220	571150.55,	2.22E-04	7.61E-09	7.27E-08	1.47E-06	2.81E-07	1.03E-05	4.25E-06	1.98E-05	2.13E-08	8.83E-08	0.0002582	0.0172
221	571190.55,	1.92E-04	6.58E-09	6.28E-08	1.27E-06	2.43E-07	8.94E-06	3.68E-06	1.71E-05	1.84E-08	7.63E-08	0.0002232	0.0149
222	571230.55,	1.61E-04	5.53E-09	5.28E-08	1.07E-06	2.04E-07	7.52E-06	3.09E-06	1.44E-05	1.55E-08	6.42E-08	0.0001877	0.0125
223	571270.55,	1.39E-04	4.77E-09	4.55E-08	9.22E-07	1.76E-07	6.48E-06	2.66E-06	1.24E-05	1.33E-08	5.53E-08	0.0001618	0.0108
224	571310.55,	1.23E-04	4.22E-09	4.03E-08	8.17E-07	1.56E-07	5.74E-06	2.36E-06	1.10E-05	1.18E-08	4.90E-08	0.0001433	0.0096
225	571350.55,	1.17E-04	4.02E-09	3.85E-08	7.79E-07	1.49E-07	5.47E-06	2.25E-06	1.05E-05	1.13E-08	4.67E-08	0.0001366	0.0091
226	571390.55,	1.03E-04	3.52E-09	3.36E-08	6.81E-07	1.30E-07	4.78E-06	1.97E-06	9.15E-06	9.84E-09	4.08E-08	0.0001194	0.008
227	571430.55,	9.54E-05	3.27E-09	3.13E-08	6.33E-07	1.21E-07	4.45E-06	1.83E-06	8.51E-06	9.15E-09	3.80E-08	0.000111	0.0074
228	571470.55,	9.30E-05	3.19E-09	3.05E-08	6.17E-07	1.18E-07	4.33E-06	1.78E-06	8.30E-06	8.91E-09	3.70E-08	0.0001082	0.0072
229	571510.55,	8.81E-05	3.02E-09	2.89E-08	5.85E-07	1.12E-07	4.11E-06	1.69E-06	7.86E-06	8.45E-09	3.51E-08	0.0001025	0.0068
230	571550.55,	8.14E-05	2.79E-09	2.67E-08	5.40E-07	1.03E-07	3.79E-06	1.56E-06	7.26E-06	7.81E-09	3.24E-08	9.473E-05	0.0063
231	571590.55,	7.39E-05	2.53E-09	2.42E-08	4.90E-07	9.37E-08	3.45E-06	1.42E-06	6.60E-06	7.09E-09	2.94E-08	8.604E-05	0.0057
232	570310.55,	4.49E-05	1.54E-09	1.47E-08	2.98E-07	5.69E-08	2.09E-06	8.59E-07	4.00E-06	4.30E-09	1.78E-08	5.22E-05	0.0035
233	570350.55,	5.10E-05	1.75E-09	1.67E-08	3.38E-07	6.46E-08	2.38E-06	9.77E-07	4.55E-06	4.89E-09	2.03E-08	5.934E-05	0.004
234	570390.55,	5.46E-05	1.87E-09	1.79E-08	3.62E-07	6.92E-08	2.54E-06	1.05E-06	4.87E-06	5.23E-09	2.17E-08	6.353E-05	0.0042
235	570430.55,	5.42E-05	1.86E-09	1.78E-08	3.60E-07	6.87E-08	2.53E-06	1.04E-06	4.84E-06	5.20E-09	2.16E-08	6.308E-05	0.0042
236	570470.55,	5.92E-05	2.03E-09	1.94E-08	3.93E-07	7.50E-08	2.76E-06	1.13E-06	5.28E-06	5.67E-09	2.35E-08	6.887E-05	0.0046
237	570510.55,	6.18E-05	2.12E-09	2.02E-08	4.10E-07	7.83E-08	2.88E-06	1.18E-06	5.51E-06	5.92E-09	2.46E-08	7.187E-05	0.0048
238	570550.55,	6.60E-05	2.26E-09	2.16E-08	4.38E-07	8.37E-08	3.08E-06	1.26E-06	5.89E-06	6.33E-09	2.63E-08	7.678E-05	0.0051
239	570590.55,	6.85E-05	2.35E-09	2.24E-08	4.54E-07	8.68E-08	3.19E-06	1.31E-06	6.11E-06	6.56E-09	2.72E-08	7.968E-05	0.0053
240	570630.55,	7.49E-05	2.57E-09	2.45E-08	4.97E-07	9.50E-08	3.49E-06	1.44E-06	6.69E-06	7.18E-09	2.98E-08	8.719E-05	0.0058
241	570670.55,	7.70E-05	2.64E-09	2.52E-08	5.11E-07	9.76E-08	3.59E-06	1.48E-06	6.87E-06	7.38E-09	3.06E-08	8.963E-05	0.006
242	570710.55,	8.69E-05	2.98E-09	2.85E-08	5.77E-07	1.10E-07	4.05E-06	1.67E-06	7.75E-06	8.33E-09	3.46E-08	0.0001011	0.0067
243	570750.55,	9.95E-05	3.41E-09	3.26E-08	6.60E-07	1.26E-07	4.64E-06	1.91E-06	8.87E-06	9.54E-09	3.96E-08	0.0001157	0.0077
244	570790.55,	1.13E-04	3.87E-09	3.70E-08	7.49E-07	1.43E-07	5.26E-06	2.16E-06	1.01E-05	1.08E-08	4.49E-08	0.0001314	0.0088
245	570830.55,	1.26E-04	4.31E-09	4.12E-08	8.34E-07	1.59E-07	5.86E-06	2.41E-06	1.12E-05	1.21E-08	5.00E-08	0.0001463	0.0098
246	570870.55,	1.51E-04	5.19E-09	4.96E-08	1.00E-06	1.92E-07	7.05E-06	2.90E-06	1.35E-05	1.45E-08	6.02E-08	0.0001761	0.0117
247	570910.55,	1.95E-04	6.69E-09	6.39E-08	1.29E-06	2.47E-07	9.09E-06	3.74E-06	1.74E-05	1.87E-08	7.76E-08	0.0002271	0.0151
248	570950.55,	2.33E-04	7.98E-09	7.63E-08	1.54E-06	2.95E-07	1.09E-05	4.46E-06	2.08E-05	2.23E-08	9.26E-08	0.0002709	0.0181
249	570990.55,	3.03E-04	1.04E-08	9.92E-08	2.01E-06	3.84E-07	1.41E-05	5.80E-06	2.70E-05	2.90E-08	1.20E-07	0.0003524	0.0235
250	571030.55,	4.73E-04	1.62E-08	1.55E-07	3.14E-06	5.99E-07	2.20E-05	9.05E-06	4.22E-05	4.53E-08	1.88E-07	0.0005499	0.0367
251	571070.55,	6.16E-04	2.11E-08	2.02E-07	4.08E-06	7.80E-07	2.87E-05	1.18E-05	5.49E-05	5.90E-08	2.45E-07	0.0007163	0.0478
252	571110.55,	5.15E-04	1.76E-08	1.69E-07	3.41E-06	6.52E-07	2.40E-05	9.86E-06	4.59E-05	4.93E-08	2.05E-07	0.0005988	0.0399
253	571150.55,	3.32E-04	1.14E-08	1.09E-07	2.20E-06	4.21E-07	1.55E-05	6.37E-06	2.96E-05	3.19E-08	1.32E-07	0.0003867	0.0258
254	571190.55,	2.43E-04	8.34E-09	7.97E-08	1.61E-06	3.08E-07	1.13E-05	4.66E-06	2.17E-05	2.33E-08	9.68E-08	0.0002831	0.0189
255	571230.55,	1.96E-04	6.70E-09	6.41E-08	1.30E-06	2.48E-07	9.11E-06	3.75E-06	1.74E-05	1.87E-08	7.78E-08	0.0002276	0.0152
256	571270.55,	1.59E-04	5.45E-09	5.21E-08	1.06E-06	2.02E-07	7.41E-06	3.05E-06	1.42E-05	1.53E-08	6.33E-08	0.0001851	0.0123
257	571310.55,	1.39E-04	4.76E-09	4.55E-08	9.21E-07	1.76E-07	6.47E-06	2.66E-06	1.24E-05	1.33E-08	5.53E-08	0.0001616	0.0108
258	571350.55,	1.25E-04	4.30E-09	4.11E-08	8.32E-07	1.59E-07	5.85E-06	2.40E-06	1.12E-05	1.20E-08	4.99E-08	0.000146	0.0097
259	571390.55,	1.18E-04	4.06E-09	3.88E-08	7.85E-07	1.50E-07	5.51E-06	2.27E-06	1.06E-05	1.13E-08	4.71E-08	0.0001377	0.0092
260	571430.55,	1.08E-04	3.69E-09	3.53E-08	7.15E-07	1.37E-07	5.02E-06	2.06E-06	9.62E-06	1.03E-08	4.29E-08	0.0001254	0.0084
261	571470.55,	9.53E-05	3.27E-09	3.12E-08	6.32E-07	1.21E-07	4.44E-06	1.83E-06	8.50E-06	9.14E-09	3.79E-08	0.0001109	0.0074
262	571510.55,	8.29E-05	2.84E-09	2.71E-08	5.50E-07	1.05E-07	3.86E-06	1.59E-06	7.39E-06	7.95E-09	3.30E-08	9.645E-05	0.0064
263	571550.55,	7.19E-05	2.46E-09	2.35E-08	4.77E-07	9.11E-08	3.35E-06	1.38E-06	6.41E-06	6.89E-09	2.86E-08	8.363E-05	0.0056
264	571590.55,	6.24E-05	2.14E-09	2.05E-08	4.14E-07	7.92E-08	2.91E-06	1.20E-06	5.57E-06	5.99E-09	2.48E-08	7.267E-05	0.0048
265	570310.55,	4.19E-05	1.44E-09	1.37E-08	2.78E-07	5.31E-08	1.95E-06	8.03E-07	3.74E-06	4.02E-09	1.67E-08	4.875E-05	0.0033
266	570350.55,	4.43E-05	1.52E-09	1.45E-08	2.94E-07	5.61E-08	2.06E-06	8.48E-07	3.95E-06	4.25E-09	1.76E-08	5.153E-05	0.0034
267	570390.55,	5.39E-05	1.85E-09	1.77E-08	3.58E-07	6.83E-08	2.51E-06	1.03E-06	4.81E-06	5.17E-09	2.14E-08	6.272E-05	0.0042
268	570430.55,	6.21E-05	2.13E-09	2.03E-08	4.12E-07	7.88E-08	2.90E-06	1.19E-06	5.54E-06	5.96E-09	2.47E-08	7.229E-05	0.0048
269	570470.55,	6.67E-05	2.29E-09	2.18E-08	4.42E-07	8.45E-08	3.11E-06	1.28E-06	5.95E-06	6.39E-09	2.65E-08	7.761E-05	0.0052
270	570510.55,	6.53E-05	2.24E-09	2.14E-08	4.33E-07	8.28E-08	3.04E-06	1.25E-06	5.82E-06	6.26E-09	2.60E-08	7.596E-05	0.0051
271	570550.55,	7.44E-05	2.55E-09	2.44E-08	4.94E-07	9.43E-08	3.47E-06	1.43E-06	6.64E-06	7.13E-09	2.96E-08	8.657E-05	0.0058
272	570590.55,	7.62E-05	2.61E-09	2.50E-08	5.06E-07	9.67E-08	3.55E-06	1.46E-06	6.80E-06	7.31E-09	3.03E-08	8.873E-05	0.0059

273 570630.55,	8.36E-05	2.87E-09	2.74E-08	5.55E-07	1.06E-07	3.90E-06	1.60E-06	7.46E-06	8.02E-09	3.33E-08	9.733E-05	0.0065
274 570670.55,	8.99E-05	3.08E-09	2.95E-08	5.97E-07	1.14E-07	4.19E-06	1.72E-06	8.03E-06	8.62E-09	3.58E-08	0.0001047	0.007
275 570710.55,	9.48E-05	3.25E-09	3.10E-08	6.29E-07	1.20E-07	4.42E-06	1.82E-06	8.46E-06	9.09E-09	3.77E-08	0.0001103	0.0074
276 570750.55,	1.07E-04	3.68E-09	3.52E-08	7.13E-07	1.36E-07	5.01E-06	2.06E-06	9.59E-06	1.03E-08	4.27E-08	0.000125	0.0083
277 570790.55,	1.33E-04	4.55E-09	4.34E-08	8.80E-07	1.68E-07	6.18E-06	2.54E-06	1.18E-05	1.27E-08	5.28E-08	0.0001543	0.0103
278 570830.55,	1.34E-04	4.59E-09	4.39E-08	8.88E-07	1.70E-07	6.24E-06	2.56E-06	1.19E-05	1.28E-08	5.33E-08	0.0001558	0.0104
279 570870.55,	1.66E-04	5.70E-09	5.45E-08	1.10E-06	2.11E-07	7.75E-06	3.19E-06	1.48E-05	1.59E-08	6.62E-08	0.0001935	0.0129
280 570910.55,	2.08E-04	7.12E-09	6.81E-08	1.38E-06	2.63E-07	9.68E-06	3.98E-06	1.85E-05	1.99E-08	8.27E-08	0.0002418	0.0161
281 570950.55,	3.02E-04	1.04E-08	9.89E-08	2.00E-06	3.83E-07	1.41E-05	5.78E-06	2.69E-05	2.90E-08	1.20E-07	0.0003514	0.0234
282 570990.55,	6.50E-04	2.23E-08	2.13E-07	4.31E-06	8.24E-07	3.03E-05	1.24E-05	5.80E-05	6.23E-08	2.59E-07	0.0007561	0.0504
283 571030.55,	6.37E-04	2.18E-08	2.09E-07	4.23E-06	8.07E-07	2.97E-05	1.22E-05	5.68E-05	6.11E-08	2.53E-07	0.0007412	0.0494
284 571110.55,	1.95E-03	6.68E-08	6.38E-07	1.29E-05	2.47E-06	9.08E-05	3.73E-05	1.74E-04	1.87E-07	7.75E-07	0.0022671	0.1511
285 571150.55,	6.51E-04	2.23E-08	2.13E-07	4.32E-06	8.25E-07	3.03E-05	1.25E-05	5.81E-05	6.24E-08	2.59E-07	0.0007575	0.0505
286 571190.55,	3.92E-04	1.34E-08	1.28E-07	2.60E-06	4.97E-07	1.83E-05	7.51E-06	3.50E-05	3.76E-08	1.56E-07	0.000456	0.0304
287 571230.55,	2.83E-04	9.71E-09	9.28E-08	1.88E-06	3.59E-07	1.32E-05	5.43E-06	2.53E-05	2.72E-08	1.13E-07	0.0003296	0.022
288 571270.55,	1.90E-04	6.50E-09	6.21E-08	1.26E-06	2.40E-07	8.84E-06	3.63E-06	1.69E-05	1.82E-08	7.55E-08	0.0002207	0.0147
289 571310.55,	1.61E-04	5.53E-09	5.29E-08	1.07E-06	2.05E-07	7.52E-06	3.09E-06	1.44E-05	1.55E-08	6.42E-08	0.0001879	0.0125
290 571350.55,	1.38E-04	4.72E-09	4.51E-08	9.13E-07	1.74E-07	6.41E-06	2.64E-06	1.23E-05	1.32E-08	5.47E-08	0.0001601	0.0107
291 571390.55,	1.13E-04	3.87E-09	3.70E-08	7.49E-07	1.43E-07	5.26E-06	2.16E-06	1.01E-05	1.08E-08	4.49E-08	0.0001313	0.0088
292 571430.55,	9.20E-05	3.15E-09	3.01E-08	6.10E-07	1.17E-07	4.29E-06	1.76E-06	8.20E-06	8.82E-09	3.66E-08	0.000107	0.0071
293 571470.55,	7.61E-05	2.61E-09	2.49E-08	5.05E-07	9.64E-08	3.55E-06	1.46E-06	6.79E-06	7.29E-09	3.03E-08	8.853E-05	0.0059
294 571510.55,	6.43E-05	2.20E-09	2.11E-08	4.26E-07	8.15E-08	3.00E-06	1.23E-06	5.73E-06	6.16E-09	2.56E-08	7.479E-05	0.005
295 571550.55,	5.53E-05	1.90E-09	1.81E-08	3.67E-07	7.01E-08	2.58E-06	1.06E-06	4.93E-06	5.30E-09	2.20E-08	6.436E-05	0.0043
296 571590.55,	4.81E-05	1.65E-09	1.58E-08	3.19E-07	6.10E-08	2.24E-06	9.21E-07	4.29E-06	4.61E-09	1.91E-08	5.597E-05	0.0037
297 570310.55,	4.49E-05	1.54E-09	1.47E-08	2.98E-07	5.70E-08	2.09E-06	8.61E-07	4.01E-06	4.31E-09	1.79E-08	5.229E-05	0.0035
298 570350.55,	4.89E-05	1.68E-09	1.60E-08	3.25E-07	6.20E-08	2.28E-06	9.37E-07	4.37E-06	4.69E-09	1.95E-08	5.695E-05	0.0038
299 570390.55,	5.18E-05	1.78E-09	1.70E-08	3.44E-07	6.57E-08	2.42E-06	9.93E-07	4.63E-06	4.97E-09	2.06E-08	6.034E-05	0.004
300 570430.55,	5.31E-05	1.82E-09	1.74E-08	3.53E-07	6.74E-08	2.48E-06	1.02E-06	4.74E-06	5.10E-09	2.11E-08	6.185E-05	0.0041
301 570470.55,	6.65E-05	2.28E-09	2.18E-08	4.41E-07	8.43E-08	3.10E-06	1.27E-06	5.93E-06	6.38E-09	2.65E-08	7.739E-05	0.0052
302 570510.55,	7.81E-05	2.68E-09	2.56E-08	5.18E-07	9.90E-08	3.64E-06	1.50E-06	6.97E-06	7.49E-09	3.11E-08	9.091E-05	0.0061
303 570550.55,	8.45E-05	2.90E-09	2.77E-08	5.61E-07	1.07E-07	3.94E-06	1.62E-06	7.54E-06	8.10E-09	3.36E-08	9.836E-05	0.0066
304 570590.55,	8.71E-05	2.99E-09	2.85E-08	5.78E-07	1.10E-07	4.06E-06	1.67E-06	7.77E-06	8.35E-09	3.47E-08	0.0001014	0.0068
305 570630.55,	9.37E-05	3.21E-09	3.07E-08	6.22E-07	1.19E-07	4.37E-06	1.80E-06	8.36E-06	8.99E-09	3.73E-08	0.0001091	0.0073
306 570670.55,	1.04E-04	3.58E-09	3.42E-08	6.92E-07	1.32E-07	4.86E-06	2.00E-06	9.31E-06	1.00E-08	4.15E-08	0.0001215	0.0081
307 570710.55,	1.12E-04	3.83E-09	3.66E-08	7.41E-07	1.42E-07	5.20E-06	2.14E-06	9.96E-06	1.07E-08	4.44E-08	0.0001299	0.0087
308 570750.55,	1.25E-04	4.29E-09	4.10E-08	8.31E-07	1.59E-07	5.84E-06	2.40E-06	1.12E-05	1.20E-08	4.99E-08	0.0001458	0.0097
309 570790.55,	1.47E-04	5.03E-09	4.81E-08	9.73E-07	1.86E-07	6.84E-06	2.81E-06	1.31E-05	1.41E-08	5.84E-08	0.0001708	0.0114
310 570830.55,	1.50E-04	5.16E-09	4.93E-08	9.98E-07	1.91E-07	7.01E-06	2.88E-06	1.34E-05	1.44E-08	5.99E-08	0.0001751	0.0117
311 570870.55,	1.71E-04	5.87E-09	5.60E-08	1.14E-06	2.17E-07	7.97E-06	3.28E-06	1.53E-05	1.64E-08	6.81E-08	0.0001991	0.0133
312 570910.55,	2.13E-04	7.30E-09	6.98E-08	1.41E-06	2.70E-07	9.93E-06	4.08E-06	1.90E-05	2.04E-08	8.48E-08	0.0002479	0.0165
313 570950.55,	2.80E-04	9.61E-09	9.18E-08	1.86E-06	3.55E-07	1.31E-05	5.37E-06	2.50E-05	2.69E-08	1.12E-07	0.0003261	0.0217
314 571150.55,	4.50E-03	1.54E-07	1.48E-06	2.99E-05	5.71E-06	2.10E-04	8.63E-05	4.02E-04	4.32E-07	1.79E-06	0.0052414	0.3494
315 571190.55,	8.23E-04	2.82E-08	2.70E-07	5.46E-06	1.04E-06	3.84E-05	1.58E-05	7.34E-05	7.89E-08	3.27E-07	0.0009576	0.0638
316 571230.55,	3.84E-04	1.32E-08	1.26E-07	2.55E-06	4.87E-07	1.79E-05	7.36E-06	3.43E-05	3.68E-08	1.53E-07	0.000447	0.0298
317 571270.55,	2.60E-04	8.91E-09	8.51E-08	1.72E-06	3.30E-07	1.21E-05	4.98E-06	2.32E-05	2.49E-08	1.03E-07	0.0003025	0.0202
318 571310.55,	1.87E-04	6.42E-09	6.13E-08	1.24E-06	2.37E-07	8.72E-06	3.59E-06	1.67E-05	1.79E-08	7.45E-08	0.0002178	0.0145
319 571350.55,	1.40E-04	4.82E-09	4.60E-08	9.32E-07	1.78E-07	6.55E-06	2.69E-06	1.25E-05	1.35E-08	5.59E-08	0.0001635	0.0109
320 571390.55,	1.09E-04	3.75E-09	3.58E-08	7.25E-07	1.39E-07	5.09E-06	2.09E-06	9.75E-06	1.05E-08	4.35E-08	0.0001272	0.0085
321 571430.55,	8.73E-05	2.99E-09	2.86E-08	5.79E-07	1.11E-07	4.07E-06	1.67E-06	7.79E-06	8.37E-09	3.48E-08	0.0001016	0.0068
322 571470.55,	7.22E-05	2.47E-09	2.36E-08	4.79E-07	9.15E-08	3.36E-06	1.38E-06	6.44E-06	6.92E-09	2.87E-08	8.397E-05	0.0056
323 571510.55,	6.05E-05	2.07E-09	1.98E-08	4.01E-07	7.67E-08	2.82E-06	1.16E-06	5.40E-06	5.80E-09	2.41E-08	7.038E-05	0.0047
324 571550.55,	5.15E-05	1.77E-09	1.69E-08	3.42E-07	6.53E-08	2.40E-06	9.87E-07	4.60E-06	4.94E-09	2.05E-08	5.994E-05	0.004
325 571590.55,	4.47E-05	1.53E-09	1.46E-08	2.96E-07	5.66E-08	2.08E-06	8.56E-07	3.98E-06	4.28E-09	1.78E-08	5.197E-05	0.0035
326 570310.55,	4.73E-05	1.62E-09	1.55E-08	3.14E-07	6.00E-08	2.21E-06	9.07E-07	4.22E-06	4.54E-09	1.88E-08	5.508E-05	0.0037
327 570350.55,	4.84E-05	1.66E-09	1.59E-08	3.21E-07	6.14E-08	2.26E-06	9.28E-07	4.32E-06	4.64E-09	1.93E-08	5.634E-05	0.0038
328 570390.55,	5.23E-05	1.79E-09	1.71E-08	3.47E-07	6.63E-08	2.44E-06	1.00E-06	4.66E-06	5.01E-09	2.08E-08	6.083E-05	0.0041
329 570430.55,	5.95E-05	2.04E-09	1.95E-08	3.95E-07	7.54E-08	2.77E-06	1.14E-06	5.31E-06	5.70E-09	2.37E-08	6.923E-05	0.0046
330 570470.55,	6.59E-05	2.26E-09	2.16E-08	4.37E-07	8.35E-08	3.07E-06	1.26E-06	5.88E-06	6.32E-09	2.62E-08	7.668E-05	0.0051
331 570510.55,	7.03E-05	2.41E-09	2.30E-08	4.67E-07	8.92E-08	3.28E-06	1.35E-06	6.27E-06	6.74E-09	2.80E-08	8.183E-05	0.0055
332 570550.55,	8.49E-05	2.91E-09	2.78E-08	5.63E-07	1.08E-07	3.96E-06	1.63E-06	7.58E-06	8.14E-09	3.38E-08	9.884E-05	0.0066
333 570590.55,	1.03E-04	3.53E-09	3.37E-08	6.83E-07	1.30E-07	4.80E-06	1.97E-06	9.18E-06	9.87E-09	4.10E-08	0.0001198	0.008
334 570630.55,	1.13E-04	3.88E-09	3.71E-08	7.50E-07	1.43E-07	5.27E-06	2.17E-06	1.01E-05	1.08E-08	4.50E-08	0.0001316	0.0088
335 570670.55,	1.21E-04	4.13E-09	3.95E-08	8.00E-07	1.53E-07	5.62E-06	2.31E-06	1.08E-05	1.16E-08	4.80E-08	0.0001403	0.0094
336 570710.55,	1.34E-04	4.59E-09	4.38E-08	8.88E-07	1.70E-07	6.24E-06	2.56E-06	1.19E-05	1.28E-08	5.32E-08	0.0001557	0.0104
337 570750.55,	1.45E-04	4.96E-09	4.74E-08	9.61E-07	1.84E-07	6.75E-06	2.77E-06	1.29E-05	1.39E-08	5.76E-08	0.0001685	0.0112
338 570790.55,	1.90E-04	6.50E-09	6.21E-08	1.26E-06	2.40E-07	8.83E-06	3.63E-06	1.69E-05	1.82E-08	7.54E-08	0.0002206	0.0147
339 570830.55,	1.99E-04	6.82E-09	6.52E-08	1.32E-06	2.52E-07	9.27E-06	3.81E-06	1.78E-05	1.91E-08	7.92E-08	0.0002316	0.0154
340 570870.55,	1.64E-04	5.63E-09	5.38E-08	1.09E-06	2.08E-07	7.66E-06	3.15E-06	1.47E-05	1.58E-08	6.54E-08	0.0001913	0.0128
341 570910.55,	1.65E-04	5.65E-09	5.40E-08	1.09E-06	2.09E-07	7.68E-06	3.16E-06	1.47E-05	1.58E-08	6.55E-08	0.0001917	0.0128

342	571190.55,	1.49E-03	5.10E-08	4.87E-07	9.87E-06	1.89E-06	6.94E-05	2.85E-05	1.33E-04	1.43E-07	5.92E-07	0.0017317	0.1154
343	571230.55,	5.57E-04	1.91E-08	1.82E-07	3.70E-06	7.06E-07	2.60E-05	1.07E-05	4.97E-05	5.34E-08	2.22E-07	0.0006483	0.0432
344	571270.55,	2.82E-04	9.65E-09	9.22E-08	1.87E-06	3.57E-07	1.31E-05	5.39E-06	2.51E-05	2.70E-08	1.12E-07	0.0003277	0.0218
345	571310.55,	1.92E-04	6.59E-09	6.29E-08	1.27E-06	2.44E-07	8.95E-06	3.68E-06	1.71E-05	1.84E-08	7.64E-08	0.0002236	0.0149
346	571350.55,	1.41E-04	4.82E-09	4.61E-08	9.33E-07	1.78E-07	6.56E-06	2.69E-06	1.25E-05	1.35E-08	5.60E-08	0.0001637	0.0109
347	571390.55,	1.10E-04	3.78E-09	3.61E-08	7.31E-07	1.40E-07	5.13E-06	2.11E-06	9.83E-06	1.06E-08	4.38E-08	0.0001282	0.0085
348	571430.55,	8.91E-05	3.05E-09	2.92E-08	5.91E-07	1.13E-07	4.15E-06	1.71E-06	7.95E-06	8.54E-09	3.55E-08	0.0001037	0.0069
349	571470.55,	7.37E-05	2.53E-09	2.41E-08	4.89E-07	9.34E-08	3.43E-06	1.41E-06	6.57E-06	7.06E-09	2.93E-08	8.575E-05	0.0057
350	571510.55,	6.21E-05	2.13E-09	2.03E-08	4.12E-07	7.87E-08	2.89E-06	1.19E-06	5.54E-06	5.95E-09	2.47E-08	7.227E-05	0.0048
351	571550.55,	5.31E-05	1.82E-09	1.74E-08	3.52E-07	6.73E-08	2.47E-06	1.02E-06	4.74E-06	5.09E-09	2.11E-08	6.176E-05	0.0041
352	571590.55,	4.56E-05	1.56E-09	1.49E-08	3.03E-07	5.78E-08	2.13E-06	8.74E-07	4.07E-06	4.37E-09	1.81E-08	5.308E-05	0.0035
353	570310.55,	5.10E-05	1.75E-09	1.67E-08	3.38E-07	6.46E-08	2.38E-06	9.77E-07	4.55E-06	4.89E-09	2.03E-08	5.932E-05	0.004
354	570350.55,	5.54E-05	1.90E-09	1.81E-08	3.68E-07	7.02E-08	2.58E-06	1.06E-06	4.94E-06	5.31E-09	2.20E-08	6.448E-05	0.0043
355	570390.55,	5.98E-05	2.05E-09	1.96E-08	3.97E-07	7.58E-08	2.79E-06	1.15E-06	5.34E-06	5.73E-09	2.38E-08	6.96E-05	0.0046
356	570430.55,	6.41E-05	2.20E-09	2.10E-08	4.25E-07	8.13E-08	2.99E-06	1.23E-06	5.72E-06	6.15E-09	2.55E-08	7.458E-05	0.005
357	570470.55,	6.78E-05	2.32E-09	2.22E-08	4.50E-07	8.60E-08	3.16E-06	1.30E-06	6.05E-06	6.50E-09	2.70E-08	7.892E-05	0.0053
358	570510.55,	7.27E-05	2.49E-09	2.38E-08	4.83E-07	9.22E-08	3.39E-06	1.39E-06	6.49E-06	6.98E-09	2.89E-08	8.466E-05	0.0056
359	570550.55,	8.57E-05	2.94E-09	2.81E-08	5.69E-07	1.09E-07	3.99E-06	1.64E-06	7.65E-06	8.22E-09	3.41E-08	9.973E-05	0.0066
360	570590.55,	9.82E-05	3.37E-09	3.22E-08	6.51E-07	1.24E-07	4.58E-06	1.88E-06	8.76E-06	9.41E-09	3.91E-08	0.0001142	0.0076
361	570630.55,	1.14E-04	3.90E-09	3.73E-08	7.56E-07	1.44E-07	5.31E-06	2.18E-06	1.02E-05	1.09E-08	4.53E-08	0.0001326	0.0088
362	570670.55,	1.45E-04	4.97E-09	4.75E-08	9.63E-07	1.84E-07	6.76E-06	2.78E-06	1.29E-05	1.39E-08	5.77E-08	0.0001689	0.0113
363	570710.55,	1.68E-04	5.75E-09	5.50E-08	1.11E-06	2.13E-07	7.82E-06	3.22E-06	1.50E-05	1.61E-08	6.68E-08	0.0001953	0.013
364	570750.55,	1.97E-04	6.77E-09	6.47E-08	1.31E-06	2.50E-07	9.20E-06	3.78E-06	1.76E-05	1.89E-08	7.86E-08	0.0002297	0.0153
365	570790.55,	2.43E-04	8.31E-09	7.94E-08	1.61E-06	3.07E-07	1.13E-05	4.65E-06	2.16E-05	2.33E-08	9.65E-08	0.0002822	0.0188
366	570830.55,	3.07E-04	1.05E-08	1.00E-07	2.03E-06	3.89E-07	1.43E-05	5.87E-06	2.74E-05	2.94E-08	1.22E-07	0.0003569	0.0238
367	570870.55,	2.31E-04	7.93E-09	7.58E-08	1.54E-06	2.93E-07	1.08E-05	4.43E-06	2.07E-05	2.22E-08	9.21E-08	0.0002694	0.018
368	571150.55,	1.55E-03	5.30E-08	5.07E-07	1.03E-05	1.96E-06	7.21E-05	2.96E-05	1.38E-04	1.48E-07	6.15E-07	0.0017997	0.12
369	571190.55,	7.14E-04	2.45E-08	2.34E-07	4.74E-06	9.06E-07	3.33E-05	1.37E-05	6.37E-05	6.85E-08	2.84E-07	0.0008313	0.0554
370	571230.55,	4.58E-04	1.57E-08	1.50E-07	3.04E-06	5.81E-07	2.14E-05	8.78E-06	4.09E-05	4.39E-08	1.82E-07	0.0005334	0.0356
371	571270.55,	3.15E-04	1.08E-08	1.03E-07	2.09E-06	3.99E-07	1.47E-05	6.03E-06	2.81E-05	3.02E-08	1.25E-07	0.000366	0.0244
372	571310.55,	2.09E-04	7.17E-09	6.85E-08	1.39E-06	2.65E-07	9.75E-06	4.01E-06	1.87E-05	2.01E-08	8.32E-08	0.0002434	0.0162
373	571350.55,	1.45E-04	4.95E-09	4.73E-08	9.59E-07	1.83E-07	6.74E-06	2.77E-06	1.29E-05	1.39E-08	5.75E-08	0.0001682	0.0112
374	571390.55,	1.12E-04	3.84E-09	3.67E-08	7.44E-07	1.42E-07	5.22E-06	2.15E-06	1.00E-05	1.07E-08	4.46E-08	0.0001304	0.0087
375	571430.55,	9.42E-05	3.23E-09	3.09E-08	6.25E-07	1.19E-07	4.39E-06	1.80E-06	8.40E-06	9.03E-09	3.75E-08	0.0001096	0.0073
376	571470.55,	7.83E-05	2.69E-09	2.57E-08	5.20E-07	9.93E-08	3.65E-06	1.50E-06	6.99E-06	7.51E-09	3.12E-08	9.115E-05	0.0061
377	571510.55,	6.47E-05	2.22E-09	2.12E-08	4.29E-07	8.20E-08	3.01E-06	1.24E-06	5.77E-06	6.20E-09	2.57E-08	7.525E-05	0.005
378	571550.55,	5.36E-05	1.84E-09	1.76E-08	3.55E-07	6.79E-08	2.50E-06	1.03E-06	4.78E-06	5.14E-09	2.13E-08	6.236E-05	0.0042
379	571590.55,	4.85E-05	1.66E-09	1.59E-08	3.22E-07	6.15E-08	2.26E-06	9.30E-07	4.33E-06	4.65E-09	1.93E-08	5.646E-05	0.0038
380	570310.55,	5.25E-05	1.80E-09	1.72E-08	3.48E-07	6.65E-08	2.45E-06	1.01E-06	4.68E-06	5.03E-09	2.09E-08	6.108E-05	0.0041
381	570350.55,	5.50E-05	1.89E-09	1.80E-08	3.65E-07	6.97E-08	2.56E-06	1.05E-06	4.91E-06	5.27E-09	2.19E-08	6.402E-05	0.0043
382	570390.55,	5.76E-05	1.97E-09	1.89E-08	3.82E-07	7.30E-08	2.68E-06	1.10E-06	5.14E-06	5.52E-09	2.29E-08	6.703E-05	0.0045
383	570430.55,	6.44E-05	2.21E-09	2.11E-08	4.27E-07	8.17E-08	3.00E-06	1.23E-06	5.75E-06	6.18E-09	2.56E-08	7.498E-05	0.005
384	570470.55,	7.31E-05	2.51E-09	2.40E-08	4.85E-07	9.27E-08	3.41E-06	1.40E-06	6.53E-06	7.01E-09	2.91E-08	8.512E-05	0.0057
385	570510.55,	8.30E-05	2.84E-09	2.72E-08	5.50E-07	1.05E-07	3.87E-06	1.59E-06	7.40E-06	7.95E-09	3.30E-08	9.655E-05	0.0064
386	570550.55,	9.40E-05	3.22E-09	3.08E-08	6.24E-07	1.19E-07	4.38E-06	1.80E-06	8.39E-06	9.01E-09	3.74E-08	0.0001094	0.0073
387	570590.55,	1.06E-04	3.63E-09	3.47E-08	7.03E-07	1.34E-07	4.94E-06	2.03E-06	9.46E-06	1.02E-08	4.22E-08	0.0001234	0.0082
388	570630.55,	1.19E-04	4.09E-09	3.91E-08	7.92E-07	1.51E-07	5.57E-06	2.29E-06	1.07E-05	1.15E-08	4.75E-08	0.000139	0.0093
389	570670.55,	1.44E-04	4.93E-09	4.72E-08	9.55E-07	1.82E-07	6.71E-06	2.76E-06	1.28E-05	1.38E-08	5.73E-08	0.0001675	0.0112
390	570710.55,	1.82E-04	6.22E-09	5.95E-08	1.20E-06	2.30E-07	8.46E-06	3.48E-06	1.62E-05	1.74E-08	7.22E-08	0.0002113	0.0141
391	570750.55,	2.30E-04	7.88E-09	7.53E-08	1.52E-06	2.91E-07	1.07E-05	4.40E-06	2.05E-05	2.20E-08	9.14E-08	0.0002674	0.0178
392	570790.55,	3.49E-04	1.20E-08	1.14E-07	2.32E-06	4.42E-07	1.63E-05	6.69E-06	3.11E-05	3.35E-08	1.39E-07	0.0004061	0.0271
393	570830.55,	6.94E-04	2.38E-08	2.27E-07	4.60E-06	8.80E-07	3.23E-05	1.33E-05	6.19E-05	6.65E-08	2.76E-07	0.0008075	0.0538
394	571110.55,	4.05E-04	1.39E-08	1.33E-07	2.69E-06	5.13E-07	1.89E-05	7.76E-06	3.61E-05	3.88E-08	1.61E-07	0.0004713	0.0314
395	571150.55,	4.04E-04	1.38E-08	1.32E-07	2.68E-06	5.12E-07	1.88E-05	7.74E-06	3.60E-05	3.87E-08	1.61E-07	0.0004699	0.0313
396	571190.55,	3.63E-04	1.24E-08	1.19E-07	2.41E-06	4.60E-07	1.69E-05	6.96E-06	3.24E-05	3.48E-08	1.44E-07	0.0004225	0.0282
397	571230.55,	3.00E-04	1.03E-08	9.82E-08	1.99E-06	3.80E-07	1.40E-05	5.74E-06	2.68E-05	2.87E-08	1.19E-07	0.0003489	0.0233
398	571270.55,	2.05E-04	7.03E-09	6.72E-08	1.36E-06	2.60E-07	9.56E-06	3.93E-06	1.83E-05	1.97E-08	8.16E-08	0.0002386	0.0159
399	571310.55,	1.73E-04	5.91E-09	5.65E-08	1.14E-06	2.19E-07	8.04E-06	3.30E-06	1.54E-05	1.65E-08	6.86E-08	0.0002008	0.0134
400	571350.55,	1.37E-04	4.70E-09	4.49E-08	9.10E-07	1.74E-07	6.39E-06	2.63E-06	1.22E-05	1.31E-08	5.46E-08	0.0001596	0.0106
401	571390.55,	1.16E-04	3.97E-09	3.79E-08	7.68E-07	1.47E-07	5.39E-06	2.22E-06	1.03E-05	1.11E-08	4.61E-08	0.0001347	0.009
402	571430.55,	9.93E-05	3.40E-09	3.25E-08	6.59E-07	1.26E-07	4.63E-06	1.90E-06	8.86E-06	9.52E-09	3.95E-08	0.0001156	0.0077
403	571470.55,	8.10E-05	2.78E-09	2.65E-08	5.38E-07	1.03E-07	3.78E-06	1.55E-06	7.23E-06	7.77E-09	3.22E-08	9.43E-05	0.0063
404	571510.55,	6.27E-05	2.15E-09	2.05E-08	4.16E-07	7.95E-08	2.92E-06	1.20E-06	5.59E-06	6.01E-09	2.49E-08	7.297E-05	0.0049
405	571550.55,	5.56E-05	1.91E-09	1.82E-08	3.69E-07	7.05E-08	2.59E-06	1.07E-06	4.96E-06	5.33E-09	2.21E-08	6.47E-05	0.0043
406	571590.55,	5.00E-05	1.71E-09	1.64E-08	3.31E-07	6.33E-08	2.33E-06	9.57E-07	4.46E-06	4.79E-09	1.99E-08	5.814E-05	0.0039
407	570310.55,	5.77E-05	1.98E-09	1.89E-08	3.83E-07	7.32E-08	2.69E-06	1.11E-06	5.15E-06	5.54E-09	2.30E-08	6.719E-05	0.0045
408	570350.55,	6.22E-05	2.13E-09	2.04E-08	4.13E-07	7.89E-08	2.90E-06	1.19E-06	5.55E-06	5.96E-09	2.47E-08	7.238E-05	0.0048
409	570390.55,	6.73E-05	2.31E-09	2.21E-08	4.47E-07	8.54E-08	3.14E-06	1.29E-06	6.01E-06	6.46E-09	2.68E-08	7.835E-05	0.0052
410	570430.55,	7.32E-05	2.51E-09	2.40E-08	4.86E-07	9.29E-08	3.41E-06	1.40E-06	6.53E-06	7.02E-09	2.91E-08	8.523E-05	0.0057

411	570470.55,	8.01E-05	2.75E-09	2.63E-08	5.32E-07	1.02E-07	3.73E-06	1.54E-06	7.15E-06	7.68E-09	3.19E-08	9.326E-05	0.0062
412	570510.55,	8.85E-05	3.04E-09	2.90E-08	5.87E-07	1.12E-07	4.13E-06	1.70E-06	7.90E-06	8.49E-09	3.52E-08	0.000103	0.0069
413	570550.55,	9.88E-05	3.39E-09	3.24E-08	6.55E-07	1.25E-07	4.60E-06	1.89E-06	8.81E-06	9.47E-09	3.93E-08	0.000115	0.0077
414	570590.55,	1.12E-04	3.83E-09	3.66E-08	7.41E-07	1.42E-07	5.21E-06	2.14E-06	9.97E-06	1.07E-08	4.45E-08	0.0001301	0.0087
415	570630.55,	1.29E-04	4.42E-09	4.23E-08	8.56E-07	1.64E-07	6.02E-06	2.47E-06	1.15E-05	1.24E-08	5.14E-08	0.0001502	0.01
416	570670.55,	1.53E-04	5.25E-09	5.02E-08	1.02E-06	1.94E-07	7.14E-06	2.94E-06	1.37E-05	1.47E-08	6.10E-08	0.0001784	0.0119
417	570710.55,	1.90E-04	6.51E-09	6.22E-08	1.26E-06	2.41E-07	8.86E-06	3.64E-06	1.70E-05	1.82E-08	7.56E-08	0.0002211	0.0147
418	570750.55,	2.52E-04	8.65E-09	8.27E-08	1.67E-06	3.20E-07	1.18E-05	4.83E-06	2.25E-05	2.42E-08	1.00E-07	0.0002937	0.0196
419	570790.55,	4.22E-04	1.45E-08	1.38E-07	2.80E-06	5.35E-07	1.97E-05	8.09E-06	3.77E-05	4.05E-08	1.68E-07	0.0004914	0.0328
420	571070.55,	2.13E-04	7.29E-09	6.96E-08	1.41E-06	2.69E-07	9.91E-06	4.07E-06	1.90E-05	2.04E-08	8.46E-08	0.0002474	0.0165
421	571110.55,	2.41E-04	8.25E-09	7.89E-08	1.60E-06	3.05E-07	1.12E-05	4.61E-06	2.15E-05	2.31E-08	9.58E-08	0.0002802	0.0187
422	571150.55,	2.35E-04	8.06E-09	7.70E-08	1.56E-06	2.98E-07	1.10E-05	4.50E-06	2.10E-05	2.25E-08	9.36E-08	0.0002736	0.0182
423	571190.55,	2.01E-04	6.90E-09	6.59E-08	1.34E-06	2.55E-07	9.38E-06	3.86E-06	1.80E-05	1.93E-08	8.01E-08	0.0002343	0.0156
424	571230.55,	2.13E-04	7.30E-09	6.98E-08	1.41E-06	2.70E-07	9.93E-06	4.08E-06	1.90E-05	2.04E-08	8.48E-08	0.0002479	0.0165
425	571270.55,	1.91E-04	6.56E-09	6.26E-08	1.27E-06	2.42E-07	8.91E-06	3.66E-06	1.71E-05	1.83E-08	7.61E-08	0.0002226	0.0148
426	571310.55,	1.71E-04	5.86E-09	5.60E-08	1.13E-06	2.17E-07	7.97E-06	3.27E-06	1.52E-05	1.64E-08	6.80E-08	0.0001989	0.0133
427	571350.55,	1.41E-04	4.84E-09	4.63E-08	9.37E-07	1.79E-07	6.58E-06	2.71E-06	1.26E-05	1.35E-08	5.62E-08	0.0001643	0.011
428	571390.55,	9.52E-05	3.26E-09	3.12E-08	6.31E-07	1.21E-07	4.44E-06	1.82E-06	8.49E-06	9.13E-09	3.79E-08	0.0001108	0.0074
429	571430.55,	8.42E-05	2.89E-09	2.76E-08	5.59E-07	1.07E-07	3.92E-06	1.61E-06	7.51E-06	8.07E-09	3.35E-08	9.798E-05	0.0065
430	571470.55,	8.48E-05	2.91E-09	2.78E-08	5.62E-07	1.07E-07	3.95E-06	1.62E-06	7.56E-06	8.13E-09	3.37E-08	9.866E-05	0.0066
431	571510.55,	7.97E-05	2.73E-09	2.61E-08	5.29E-07	1.01E-07	3.72E-06	1.53E-06	7.12E-06	7.65E-09	3.17E-08	9.28E-05	0.0062
432	571550.55,	7.04E-05	2.41E-09	2.31E-08	4.67E-07	8.93E-08	3.28E-06	1.35E-06	6.28E-06	6.75E-09	2.80E-08	8.193E-05	0.0055
433	571590.55,	5.89E-05	2.02E-09	1.93E-08	3.91E-07	7.47E-08	2.75E-06	1.13E-06	5.26E-06	5.65E-09	2.35E-08	6.86E-05	0.0046
434	570310.55,	5.21E-05	1.79E-09	1.71E-08	3.46E-07	6.61E-08	2.43E-06	9.98E-07	4.65E-06	5.00E-09	2.07E-08	6.065E-05	0.004
435	570350.55,	5.66E-05	1.94E-09	1.86E-08	3.76E-07	7.18E-08	2.64E-06	1.09E-06	5.05E-06	5.43E-09	2.25E-08	6.593E-05	0.0044
436	570390.55,	6.19E-05	2.12E-09	2.03E-08	4.10E-07	7.84E-08	2.88E-06	1.19E-06	5.52E-06	5.93E-09	2.46E-08	7.198E-05	0.0048
437	570430.55,	6.76E-05	2.32E-09	2.22E-08	4.49E-07	8.57E-08	3.15E-06	1.30E-06	6.03E-06	6.48E-09	2.69E-08	7.871E-05	0.0052
438	570470.55,	7.47E-05	2.56E-09	2.45E-08	4.96E-07	9.48E-08	3.48E-06	1.43E-06	6.67E-06	7.17E-09	2.97E-08	8.698E-05	0.0058
439	570510.55,	8.35E-05	2.86E-09	2.73E-08	5.54E-07	1.06E-07	3.89E-06	1.60E-06	7.45E-06	8.00E-09	3.32E-08	9.713E-05	0.0065
440	570550.55,	9.40E-05	3.22E-09	3.08E-08	6.23E-07	1.19E-07	4.38E-06	1.80E-06	8.38E-06	9.01E-09	3.74E-08	0.0001093	0.0073
441	570590.55,	1.06E-04	3.65E-09	3.49E-08	7.06E-07	1.35E-07	4.96E-06	2.04E-06	9.50E-06	1.02E-08	4.24E-08	0.0001239	0.0083
442	570630.55,	1.22E-04	4.19E-09	4.00E-08	8.10E-07	1.55E-07	5.69E-06	2.34E-06	1.09E-05	1.17E-08	4.86E-08	0.0001421	0.0095
443	570670.55,	1.42E-04	4.88E-09	4.66E-08	9.44E-07	1.80E-07	6.63E-06	2.73E-06	1.27E-05	1.36E-08	5.66E-08	0.0001655	0.011
444	570710.55,	1.72E-04	5.91E-09	5.65E-08	1.14E-06	2.19E-07	8.04E-06	3.30E-06	1.54E-05	1.65E-08	6.86E-08	0.0002007	0.0134
445	570750.55,	2.19E-04	7.52E-09	7.18E-08	1.45E-06	2.78E-07	1.02E-05	4.20E-06	1.96E-05	2.10E-08	8.72E-08	0.0002552	0.017
446	570790.55,	4.76E-04	1.63E-08	1.56E-07	3.16E-06	6.03E-07	2.22E-05	9.11E-06	4.24E-05	4.56E-08	1.89E-07	0.0005535	0.0369
447	571030.55,	3.58E-04	1.23E-08	1.17E-07	2.38E-06	4.54E-07	1.67E-05	6.86E-06	3.19E-05	3.43E-08	1.42E-07	0.0004167	0.0278
448	571070.55,	2.41E-04	8.26E-09	7.89E-08	1.60E-06	3.05E-07	1.12E-05	4.62E-06	2.15E-05	2.31E-08	9.59E-08	0.0002804	0.0187
449	571110.55,	1.80E-04	6.18E-09	5.91E-08	1.20E-06	2.29E-07	8.41E-06	3.46E-06	1.61E-05	1.73E-08	7.18E-08	0.00021	0.014
450	571150.55,	1.63E-04	5.59E-09	5.34E-08	1.08E-06	2.07E-07	7.60E-06	3.12E-06	1.46E-05	1.56E-08	6.49E-08	0.0001898	0.0127
451	571190.55,	1.79E-04	6.15E-09	5.87E-08	1.19E-06	2.27E-07	8.36E-06	3.43E-06	1.60E-05	1.72E-08	7.13E-08	0.0002086	0.0139
452	571230.55,	1.54E-04	5.29E-09	5.05E-08	1.02E-06	1.95E-07	7.19E-06	2.95E-06	1.38E-05	1.48E-08	6.13E-08	0.0001794	0.012
453	571270.55,	1.75E-04	5.99E-09	5.72E-08	1.16E-06	2.21E-07	8.14E-06	3.35E-06	1.56E-05	1.67E-08	6.95E-08	0.0002032	0.0135
454	571310.55,	1.45E-04	4.97E-09	4.75E-08	9.61E-07	1.84E-07	6.75E-06	2.78E-06	1.29E-05	1.39E-08	5.77E-08	0.0001686	0.0112
455	571350.55,	1.37E-04	4.68E-09	4.48E-08	9.06E-07	1.73E-07	6.37E-06	2.62E-06	1.22E-05	1.31E-08	5.44E-08	0.000159	0.0106
456	571390.55,	1.22E-04	4.19E-09	4.01E-08	8.11E-07	1.55E-07	5.70E-06	2.34E-06	1.09E-05	1.17E-08	4.87E-08	0.0001423	0.0095
457	571430.55,	9.27E-05	3.18E-09	3.04E-08	6.15E-07	1.18E-07	4.32E-06	1.78E-06	8.27E-06	8.89E-09	3.69E-08	0.0001079	0.0072
458	571470.55,	6.01E-05	2.06E-09	1.97E-08	3.98E-07	7.61E-08	2.80E-06	1.15E-06	5.36E-06	5.76E-09	2.39E-08	6.989E-05	0.0047
459	571510.55,	5.77E-05	1.98E-09	1.89E-08	3.83E-07	7.31E-08	2.69E-06	1.11E-06	5.15E-06	5.53E-09	2.30E-08	6.713E-05	0.0045
460	571550.55,	6.30E-05	2.16E-09	2.06E-08	4.18E-07	7.99E-08	2.94E-06	1.21E-06	5.62E-06	6.04E-09	2.51E-08	7.335E-05	0.0049
461	571590.55,	6.33E-05	2.17E-09	2.07E-08	4.20E-07	8.03E-08	2.95E-06	1.21E-06	5.65E-06	6.07E-09	2.52E-08	7.366E-05	0.0049
462	570310.55,	5.59E-05	1.91E-09	1.83E-08	3.71E-07	7.08E-08	2.60E-06	1.07E-06	4.98E-06	5.36E-09	2.22E-08	6.5E-05	0.0043
463	570350.55,	5.96E-05	2.04E-09	1.95E-08	3.95E-07	7.55E-08	2.78E-06	1.14E-06	5.32E-06	5.71E-09	2.37E-08	6.933E-05	0.0046
464	570390.55,	6.36E-05	2.18E-09	2.08E-08	4.22E-07	8.06E-08	2.96E-06	1.22E-06	5.67E-06	6.10E-09	2.53E-08	7.399E-05	0.0049
465	570430.55,	6.88E-05	2.36E-09	2.25E-08	4.56E-07	8.72E-08	3.21E-06	1.32E-06	6.14E-06	6.59E-09	2.74E-08	8.004E-05	0.0053
466	570470.55,	7.48E-05	2.56E-09	2.45E-08	4.96E-07	9.48E-08	3.49E-06	1.43E-06	6.67E-06	7.17E-09	2.98E-08	8.703E-05	0.0058
467	570510.55,	8.27E-05	2.84E-09	2.71E-08	5.49E-07	1.05E-07	3.85E-06	1.58E-06	7.38E-06	7.93E-09	3.29E-08	9.625E-05	0.0064
468	570550.55,	9.22E-05	3.16E-09	3.02E-08	6.12E-07	1.17E-07	4.30E-06	1.77E-06	8.23E-06	8.84E-09	3.67E-08	0.0001073	0.0072
469	570590.55,	1.02E-04	3.49E-09	3.33E-08	6.75E-07	1.29E-07	4.74E-06	1.95E-06	9.08E-06	9.76E-09	4.05E-08	0.0001184	0.0079
470	570630.55,	1.12E-04	3.85E-09	3.67E-08	7.44E-07	1.42E-07	5.23E-06	2.15E-06	1.00E-05	1.08E-08	4.46E-08	0.0001305	0.0087
471	570670.55,	1.23E-04	4.23E-09	4.04E-08	8.19E-07	1.56E-07	5.75E-06	2.36E-06	1.10E-05	1.18E-08	4.91E-08	0.0001436	0.0096
472	570710.55,	1.42E-04	4.87E-09	4.65E-08	9.42E-07	1.80E-07	6.62E-06	2.72E-06	1.27E-05	1.36E-08	5.65E-08	0.0001652	0.011
473	570750.55,	2.02E-04	6.93E-09	6.62E-08	1.34E-06	2.56E-07	9.42E-06	3.87E-06	1.80E-05	1.94E-08	8.04E-08	0.0002353	0.0157
474	570790.55,	2.63E-04	9.00E-09	8.60E-08	1.74E-06	3.33E-07	1.22E-05	5.03E-06	2.34E-05	2.52E-08	1.05E-07	0.0003056	0.0204
475	570990.55,	1.96E-03	6.72E-08	6.42E-07	1.30E-05	2.49E-06	9.14E-05	3.76E-05	1.75E-04	1.88E-07	7.80E-07	0.0022823	0.1522
476	571030.55,	5.76E-04	1.97E-08	1.89E-07	3.82E-06	7.30E-07	2.69E-05	1.10E-05	5.14E-05	5.52E-08	2.29E-07	0.0006705	0.0447
477	571070.55,	2.71E-04	9.30E-09	8.89E-08	1.80E-06	3.44E-07	1.26E-05	5.20E-06	2.42E-05	2.60E-08	1.08E-07	0.0003157	0.021
478	571110.55,	1.84E-04	6.31E-09	6.03E-08	1.22E-06	2.33E-07	8.58E-06	3.53E-06	1.64E-05	1.76E-08	7.32E-08	0.0002141	0.0143
479	571150.55,	1.34E-04	4.60E-09	4.40E-08	8.90E-07	1.70E-07	6.26E-06	2.57E-06	1.20E-05	1.29E-08	5.34E-08	0.0001562	0.0104

480	571190.55,	1.45E-04	4.98E-09	4.76E-08	9.63E-07	1.84E-07	6.77E-06	2.78E-06	1.30E-05	1.39E-08	5.78E-08	0.000169	0.0113
481	571230.55,	1.36E-04	4.66E-09	4.45E-08	9.01E-07	1.72E-07	6.33E-06	2.60E-06	1.21E-05	1.30E-08	5.41E-08	0.0001581	0.0105
482	571270.55,	1.38E-04	4.72E-09	4.51E-08	9.13E-07	1.74E-07	6.41E-06	2.64E-06	1.23E-05	1.32E-08	5.47E-08	0.0001601	0.0107
483	571310.55,	1.50E-04	5.15E-09	4.92E-08	9.96E-07	1.90E-07	7.00E-06	2.88E-06	1.34E-05	1.44E-08	5.98E-08	0.0001748	0.0117
484	571350.55,	1.24E-04	4.25E-09	4.06E-08	8.23E-07	1.57E-07	5.78E-06	2.38E-06	1.11E-05	1.19E-08	4.93E-08	0.0001443	0.0096
485	571390.55,	1.04E-04	3.56E-09	3.41E-08	6.90E-07	1.32E-07	4.85E-06	1.99E-06	9.28E-06	9.97E-09	4.14E-08	0.000121	0.0081
486	571430.55,	1.05E-04	3.59E-09	3.43E-08	6.95E-07	1.33E-07	4.88E-06	2.01E-06	9.35E-06	1.00E-08	4.17E-08	0.0001219	0.0081
487	571470.55,	8.75E-05	3.00E-09	2.87E-08	5.81E-07	1.11E-07	4.08E-06	1.68E-06	7.81E-06	8.39E-09	3.48E-08	0.0001019	0.0068
488	571510.55,	6.06E-05	2.08E-09	1.99E-08	4.02E-07	7.69E-08	2.83E-06	1.16E-06	5.41E-06	5.81E-09	2.41E-08	7.056E-05	0.0047
489	571550.55,	4.33E-05	1.49E-09	1.42E-08	2.88E-07	5.49E-08	2.02E-06	8.30E-07	3.87E-06	4.16E-09	1.72E-08	5.043E-05	0.0034
490	571590.55,	4.21E-05	1.44E-09	1.38E-08	2.79E-07	5.34E-08	1.96E-06	8.07E-07	3.76E-06	4.04E-09	1.68E-08	4.902E-05	0.0033
491	570310.55,	5.65E-05	1.94E-09	1.85E-08	3.75E-07	7.16E-08	2.63E-06	1.08E-06	5.04E-06	5.42E-09	2.25E-08	6.576E-05	0.0044
492	570350.55,	5.91E-05	2.03E-09	1.94E-08	3.92E-07	7.49E-08	2.76E-06	1.13E-06	5.27E-06	5.67E-09	2.35E-08	6.879E-05	0.0046
493	570390.55,	6.21E-05	2.13E-09	2.03E-08	4.12E-07	7.88E-08	2.90E-06	1.19E-06	5.54E-06	5.96E-09	2.47E-08	7.229E-05	0.0048
494	570430.55,	6.57E-05	2.25E-09	2.15E-08	4.36E-07	8.33E-08	3.06E-06	1.26E-06	5.86E-06	6.30E-09	2.61E-08	7.648E-05	0.0051
495	570470.55,	6.92E-05	2.37E-09	2.27E-08	4.59E-07	8.78E-08	3.23E-06	1.33E-06	6.18E-06	6.64E-09	2.76E-08	8.059E-05	0.0054
496	570510.55,	7.36E-05	2.52E-09	2.41E-08	4.88E-07	9.33E-08	3.43E-06	1.41E-06	6.57E-06	7.06E-09	2.93E-08	8.565E-05	0.0057
497	570550.55,	7.85E-05	2.69E-09	2.57E-08	5.21E-07	9.95E-08	3.66E-06	1.50E-06	7.00E-06	7.53E-09	3.12E-08	9.134E-05	0.0061
498	570590.55,	8.77E-05	3.01E-09	2.87E-08	5.82E-07	1.11E-07	4.09E-06	1.68E-06	7.83E-06	8.41E-09	3.49E-08	0.0001021	0.0068
499	570630.55,	9.95E-05	3.41E-09	3.26E-08	6.60E-07	1.26E-07	4.64E-06	1.91E-06	8.88E-06	9.54E-09	3.96E-08	0.0001158	0.0077
500	570670.55,	1.20E-04	4.12E-09	3.94E-08	7.98E-07	1.53E-07	5.61E-06	2.31E-06	1.07E-05	1.15E-08	4.79E-08	0.00014	0.0093
501	570710.55,	1.44E-04	4.93E-09	4.71E-08	9.55E-07	1.82E-07	6.71E-06	2.76E-06	1.28E-05	1.38E-08	5.73E-08	0.0001674	0.0112
502	570750.55,	1.74E-04	5.97E-09	5.71E-08	1.16E-06	2.21E-07	8.12E-06	3.34E-06	1.55E-05	1.67E-08	6.93E-08	0.0002028	0.0135
503	570790.55,	1.91E-04	6.54E-09	6.25E-08	1.26E-06	2.42E-07	8.89E-06	3.65E-06	1.70E-05	1.83E-08	7.59E-08	0.0002219	0.0148
504	570830.55,	2.92E-04	1.00E-08	9.58E-08	1.94E-06	3.71E-07	1.36E-05	5.60E-06	2.61E-05	2.80E-08	1.16E-07	0.0003403	0.0227
505	570950.55,	1.24E-03	4.24E-08	4.05E-07	8.21E-06	1.57E-06	5.77E-05	2.37E-05	1.10E-04	1.19E-07	4.92E-07	0.0014403	0.096
506	570990.55,	5.89E-04	2.02E-08	1.93E-07	3.91E-06	7.47E-07	2.75E-05	1.13E-05	5.26E-05	5.65E-08	2.35E-07	0.0006859	0.0457
507	571030.55,	4.30E-04	1.48E-08	1.41E-07	2.86E-06	5.46E-07	2.01E-05	8.25E-06	3.84E-05	4.13E-08	1.71E-07	0.000501	0.0334
508	571070.55,	3.05E-04	1.05E-08	9.99E-08	2.02E-06	3.87E-07	1.42E-05	5.84E-06	2.72E-05	2.92E-08	1.21E-07	0.000355	0.0237
509	571110.55,	2.12E-04	7.27E-09	6.95E-08	1.41E-06	2.69E-07	9.88E-06	4.06E-06	1.89E-05	2.03E-08	8.44E-08	0.0002468	0.0165
510	571150.55,	1.41E-04	4.83E-09	4.61E-08	9.34E-07	1.79E-07	6.56E-06	2.70E-06	1.26E-05	1.35E-08	5.60E-08	0.0001639	0.0109
511	571190.55,	1.08E-04	3.72E-09	3.55E-08	7.19E-07	1.37E-07	5.05E-06	2.08E-06	9.67E-06	1.04E-08	4.31E-08	0.0001262	0.0084
512	571230.55,	1.28E-04	4.40E-09	4.21E-08	8.52E-07	1.63E-07	5.99E-06	2.46E-06	1.15E-05	1.23E-08	5.11E-08	0.0001495	0.01
513	571270.55,	9.86E-05	3.38E-09	3.23E-08	6.54E-07	1.25E-07	4.59E-06	1.89E-06	8.79E-06	9.45E-09	3.92E-08	0.0001147	0.0076
514	571310.55,	1.18E-04	4.03E-09	3.85E-08	7.80E-07	1.49E-07	5.48E-06	2.25E-06	1.05E-05	1.13E-08	4.68E-08	0.0001369	0.0091
515	571350.55,	1.28E-04	4.37E-09	4.18E-08	8.46E-07	1.62E-07	5.95E-06	2.44E-06	1.14E-05	1.22E-08	5.08E-08	0.0001485	0.0099
516	571390.55,	1.05E-04	3.60E-09	3.44E-08	6.98E-07	1.33E-07	4.90E-06	2.01E-06	9.38E-06	1.01E-08	4.18E-08	0.0001224	0.0082
517	571430.55,	8.36E-05	2.87E-09	2.74E-08	5.55E-07	1.06E-07	3.90E-06	1.60E-06	7.46E-06	8.02E-09	3.33E-08	9.729E-05	0.0065
518	571470.55,	8.79E-05	3.01E-09	2.88E-08	5.83E-07	1.11E-07	4.10E-06	1.68E-06	7.84E-06	8.42E-09	3.50E-08	0.0001022	0.0068
519	571510.55,	8.06E-05	2.76E-09	2.64E-08	5.35E-07	1.02E-07	3.76E-06	1.54E-06	7.19E-06	7.73E-09	3.21E-08	9.383E-05	0.0063
520	571550.55,	6.20E-05	2.13E-09	2.03E-08	4.11E-07	7.86E-08	2.89E-06	1.19E-06	5.53E-06	5.95E-09	2.47E-08	7.218E-05	0.0048
521	571590.55,	4.05E-05	1.39E-09	1.33E-08	2.69E-07	5.14E-08	1.89E-06	7.76E-07	3.61E-06	3.88E-09	1.61E-08	4.714E-05	0.0031
522	570310.55,	4.94E-05	1.69E-09	1.62E-08	3.28E-07	6.27E-08	2.30E-06	9.47E-07	4.41E-06	4.74E-09	1.97E-08	5.753E-05	0.0038
523	570350.55,	5.05E-05	1.73E-09	1.65E-08	3.35E-07	6.40E-08	2.35E-06	9.67E-07	4.51E-06	4.84E-09	2.01E-08	5.877E-05	0.0039
524	570390.55,	5.15E-05	1.76E-09	1.69E-08	3.41E-07	6.52E-08	2.40E-06	9.86E-07	4.59E-06	4.93E-09	2.05E-08	5.989E-05	0.004
525	570430.55,	5.71E-05	1.96E-09	1.87E-08	3.79E-07	7.24E-08	2.66E-06	1.09E-06	5.10E-06	5.48E-09	2.27E-08	6.648E-05	0.0044
526	570470.55,	6.38E-05	2.19E-09	2.09E-08	4.23E-07	8.09E-08	2.97E-06	1.22E-06	5.69E-06	6.12E-09	2.54E-08	7.425E-05	0.0049
527	570510.55,	7.07E-05	2.42E-09	2.32E-08	4.69E-07	8.97E-08	3.30E-06	1.35E-06	6.31E-06	6.78E-09	2.81E-08	8.229E-05	0.0055
528	570550.55,	7.82E-05	2.68E-09	2.56E-08	5.19E-07	9.92E-08	3.65E-06	1.50E-06	6.98E-06	7.50E-09	3.11E-08	9.101E-05	0.0061
529	570590.55,	8.93E-05	3.06E-09	2.92E-08	5.92E-07	1.13E-07	4.16E-06	1.71E-06	7.97E-06	8.56E-09	3.55E-08	0.0001039	0.0069
530	570630.55,	1.03E-04	3.54E-09	3.38E-08	6.85E-07	1.31E-07	4.81E-06	1.98E-06	9.21E-06	9.90E-09	4.11E-08	0.0001201	0.008
531	570670.55,	1.20E-04	4.11E-09	3.93E-08	7.96E-07	1.52E-07	5.59E-06	2.30E-06	1.07E-05	1.15E-08	4.77E-08	0.0001397	0.0093
532	570710.55,	1.43E-04	4.90E-09	4.68E-08	9.48E-07	1.81E-07	6.66E-06	2.74E-06	1.27E-05	1.37E-08	5.69E-08	0.0001663	0.0111
533	570750.55,	1.53E-04	5.26E-09	5.03E-08	1.02E-06	1.95E-07	7.15E-06	2.94E-06	1.37E-05	1.47E-08	6.11E-08	0.0001786	0.0119
534	570790.55,	1.74E-04	5.95E-09	5.69E-08	1.15E-06	2.20E-07	8.09E-06	3.32E-06	1.55E-05	1.66E-08	6.91E-08	0.000202	0.0135
535	570830.55,	2.53E-04	8.68E-09	8.29E-08	1.68E-06	3.21E-07	1.18E-05	4.85E-06	2.26E-05	2.43E-08	1.01E-07	0.0002945	0.0196
536	570870.55,	3.44E-04	1.18E-08	1.13E-07	2.28E-06	4.36E-07	1.60E-05	6.59E-06	3.07E-05	3.30E-08	1.37E-07	0.0004005	0.0267
537	570910.55,	5.52E-04	1.89E-08	1.81E-07	3.66E-06	6.99E-07	2.57E-05	1.06E-05	4.92E-05	5.29E-08	2.20E-07	0.000642	0.0428
538	570950.55,	4.26E-04	1.46E-08	1.40E-07	2.83E-06	5.40E-07	1.99E-05	8.16E-06	3.80E-05	4.09E-08	1.70E-07	0.0004958	0.0331
539	570990.55,	3.31E-04	1.13E-08	1.08E-07	2.19E-06	4.19E-07	1.54E-05	6.34E-06	2.95E-05	3.17E-08	1.32E-07	0.0003849	0.0257
540	571030.55,	2.99E-04	1.03E-08	9.81E-08	1.99E-06	3.80E-07	1.40E-05	5.74E-06	2.67E-05	2.87E-08	1.19E-07	0.0003484	0.0232
541	571070.55,	2.20E-04	7.55E-09	7.21E-08	1.46E-06	2.79E-07	1.03E-05	4.22E-06	1.96E-05	2.11E-08	8.76E-08	0.0002562	0.0171
542	571110.55,	1.87E-04	6.40E-09	6.11E-08	1.24E-06	2.37E-07	8.70E-06	3.57E-06	1.66E-05	1.79E-08	7.42E-08	0.0002171	0.0145
543	571150.55,	1.31E-04	4.50E-09	4.30E-08	8.71E-07	1.67E-07	6.12E-06	2.52E-06	1.17E-05	1.26E-08	5.23E-08	0.0001528	0.0102
544	571190.55,	1.08E-04	3.72E-09	3.55E-08	7.19E-07	1.37E-07	5.05E-06	2.08E-06	9.67E-06	1.04E-08	4.31E-08	0.0001261	0.0084
545	571230.55,	1.12E-04	3.85E-09	3.68E-08	7.44E-07	1.42E-07	5.23E-06	2.15E-06	1.00E-05	1.08E-08	4.47E-08	0.0001306	0.0087
546	571270.55,	1.01E-04	3.47E-09	3.31E-08	6.71E-07	1.28E-07	4.72E-06	1.94E-06	9.03E-06	9.70E-09	4.03E-08	0.0001178	0.0079
547	571310.55,	7.28E-05	2.50E-09	2.38E-08	4.83E-07	9.23E-08	3.39E-06	1.39E-06	6.49E-06	6.98E-09	2.90E-08	8.471E-05	0.0056
548	571350.55,	9.96E-05	3.41E-09	3.26E-08	6.60E-07	1.26E-07	4.64E-06	1.91E-06	8.88E-06	9.55E-09	3.96E-08	0.0001159	0.0077

549	571390.55,	1.08E-04	3.69E-09	3.53E-08	7.15E-07	1.37E-07	5.02E-06	2.06E-06	9.61E-06	1.03E-08	4.29E-08	0.0001254	0.0084
550	571430.55,	8.84E-05	3.03E-09	2.90E-08	5.87E-07	1.12E-07	4.12E-06	1.69E-06	7.89E-06	8.48E-09	3.52E-08	0.0001029	0.0069
551	571470.55,	7.44E-05	2.55E-09	2.44E-08	4.93E-07	9.43E-08	3.47E-06	1.42E-06	6.64E-06	7.13E-09	2.96E-08	8.655E-05	0.0058
552	571510.55,	7.23E-05	2.48E-09	2.37E-08	4.80E-07	9.17E-08	3.37E-06	1.39E-06	6.45E-06	6.94E-09	2.88E-08	8.418E-05	0.0056
553	571550.55,	7.25E-05	2.49E-09	2.38E-08	4.81E-07	9.20E-08	3.38E-06	1.39E-06	6.47E-06	6.96E-09	2.89E-08	8.443E-05	0.0056
554	571590.55,	6.12E-05	2.10E-09	2.00E-08	4.06E-07	7.76E-08	2.85E-06	1.17E-06	5.46E-06	5.87E-09	2.43E-08	7.12E-05	0.0047
555	570310.55,	4.63E-05	1.59E-09	1.52E-08	3.07E-07	5.87E-08	2.16E-06	8.87E-07	4.13E-06	4.44E-09	1.84E-08	5.389E-05	0.0036
556	570350.55,	5.11E-05	1.75E-09	1.67E-08	3.39E-07	6.48E-08	2.38E-06	9.79E-07	4.56E-06	4.90E-09	2.03E-08	5.948E-05	0.004
557	570390.55,	5.55E-05	1.90E-09	1.82E-08	3.68E-07	7.03E-08	2.59E-06	1.06E-06	4.95E-06	5.32E-09	2.21E-08	6.456E-05	0.0043
558	570430.55,	5.93E-05	2.03E-09	1.94E-08	3.94E-07	7.52E-08	2.76E-06	1.14E-06	5.29E-06	5.69E-09	2.36E-08	6.903E-05	0.0046
559	570470.55,	6.43E-05	2.21E-09	2.11E-08	4.27E-07	8.16E-08	3.00E-06	1.23E-06	5.74E-06	6.17E-09	2.56E-08	7.489E-05	0.005
560	570510.55,	7.01E-05	2.40E-09	2.30E-08	4.65E-07	8.88E-08	3.27E-06	1.34E-06	6.25E-06	6.72E-09	2.79E-08	8.155E-05	0.0054
561	570550.55,	8.21E-05	2.81E-09	2.69E-08	5.45E-07	1.04E-07	3.83E-06	1.57E-06	7.32E-06	7.87E-09	3.27E-08	9.553E-05	0.0064
562	570590.55,	8.96E-05	3.07E-09	2.94E-08	5.94E-07	1.14E-07	4.18E-06	1.72E-06	7.99E-06	8.59E-09	3.57E-08	0.0001043	0.007
563	570630.55,	1.05E-04	3.59E-09	3.43E-08	6.94E-07	1.33E-07	4.88E-06	2.01E-06	9.34E-06	1.00E-08	4.16E-08	0.0001218	0.0081
564	570670.55,	1.22E-04	4.19E-09	4.01E-08	8.12E-07	1.55E-07	5.70E-06	2.34E-06	1.09E-05	1.17E-08	4.87E-08	0.0001424	0.0095
565	570710.55,	1.31E-04	4.48E-09	4.29E-08	8.68E-07	1.66E-07	6.10E-06	2.51E-06	1.17E-05	1.25E-08	5.21E-08	0.0001522	0.0101
566	570750.55,	1.38E-04	4.74E-09	4.53E-08	9.17E-07	1.75E-07	6.44E-06	2.65E-06	1.23E-05	1.33E-08	5.50E-08	0.0001609	0.0107
567	570790.55,	1.46E-04	5.00E-09	4.77E-08	9.67E-07	1.85E-07	6.79E-06	2.79E-06	1.30E-05	1.40E-08	5.80E-08	0.0001696	0.0113
568	570830.55,	1.88E-04	6.46E-09	6.17E-08	1.25E-06	2.39E-07	8.78E-06	3.61E-06	1.68E-05	1.81E-08	7.50E-08	0.0002193	0.0146
569	570870.55,	2.57E-04	8.82E-09	8.42E-08	1.71E-06	3.26E-07	1.20E-05	4.93E-06	2.29E-05	2.47E-08	1.02E-07	0.0002993	0.02
570	570910.55,	2.82E-04	9.68E-09	9.25E-08	1.87E-06	3.58E-07	1.32E-05	5.41E-06	2.52E-05	2.71E-08	1.12E-07	0.0003285	0.0219
571	570950.55,	2.54E-04	8.72E-09	8.34E-08	1.69E-06	3.23E-07	1.19E-05	4.87E-06	2.27E-05	2.44E-08	1.01E-07	0.0002961	0.0197
572	570990.55,	1.93E-04	6.63E-09	6.33E-08	1.28E-06	2.45E-07	9.01E-06	3.70E-06	1.73E-05	1.85E-08	7.69E-08	0.000225	0.015
573	571030.55,	1.80E-04	6.19E-09	5.91E-08	1.20E-06	2.29E-07	8.41E-06	3.46E-06	1.61E-05	1.73E-08	7.18E-08	0.00021	0.014
574	571070.55,	1.98E-04	6.79E-09	6.48E-08	1.31E-06	2.51E-07	9.23E-06	3.79E-06	1.77E-05	1.90E-08	7.88E-08	0.0002304	0.0154
575	571110.55,	1.52E-04	5.21E-09	4.98E-08	1.01E-06	1.93E-07	7.09E-06	2.91E-06	1.36E-05	1.46E-08	6.05E-08	0.000177	0.0118
576	571150.55,	1.50E-04	5.13E-09	4.91E-08	9.93E-07	1.90E-07	6.98E-06	2.87E-06	1.34E-05	1.44E-08	5.96E-08	0.0001743	0.0116
577	571190.55,	9.71E-05	3.33E-09	3.18E-08	6.45E-07	1.23E-07	4.53E-06	1.86E-06	8.67E-06	9.32E-09	3.87E-08	0.0001131	0.0075
578	571230.55,	9.26E-05	3.18E-09	3.03E-08	6.15E-07	1.17E-07	4.32E-06	1.77E-06	8.26E-06	8.88E-09	3.69E-08	0.0001078	0.0072
579	571270.55,	9.92E-05	3.40E-09	3.25E-08	6.58E-07	1.26E-07	4.62E-06	1.90E-06	8.85E-06	9.51E-09	3.95E-08	0.0001154	0.0077
580	571310.55,	7.66E-05	2.63E-09	2.51E-08	5.08E-07	9.71E-08	3.57E-06	1.47E-06	6.83E-06	7.34E-09	3.05E-08	8.912E-05	0.0059
581	571350.55,	6.88E-05	2.36E-09	2.25E-08	4.56E-07	8.72E-08	3.21E-06	1.32E-06	6.14E-06	6.60E-09	2.74E-08	8.006E-05	0.0053
582	571390.55,	8.59E-05	2.94E-09	2.81E-08	5.70E-07	1.09E-07	4.00E-06	1.64E-06	7.66E-06	8.23E-09	3.42E-08	9.991E-05	0.0067
583	571430.55,	9.17E-05	3.14E-09	3.00E-08	6.08E-07	1.16E-07	4.27E-06	1.76E-06	8.18E-06	8.79E-09	3.65E-08	0.0001067	0.0071
584	571470.55,	7.48E-05	2.56E-09	2.45E-08	4.96E-07	9.48E-08	3.49E-06	1.43E-06	6.67E-06	7.17E-09	2.98E-08	8.706E-05	0.0058
585	571510.55,	6.62E-05	2.27E-09	2.17E-08	4.39E-07	8.40E-08	3.09E-06	1.27E-06	5.91E-06	6.35E-09	2.64E-08	7.708E-05	0.0051
586	571550.55,	5.85E-05	2.01E-09	1.92E-08	3.88E-07	7.42E-08	2.73E-06	1.12E-06	5.22E-06	5.61E-09	2.33E-08	6.81E-05	0.0045
587	571590.55,	6.38E-05	2.19E-09	2.09E-08	4.23E-07	8.09E-08	2.97E-06	1.22E-06	5.69E-06	6.12E-09	2.54E-08	7.428E-05	0.005
588	570310.55,	4.88E-05	1.67E-09	1.60E-08	3.24E-07	6.18E-08	2.27E-06	9.34E-07	4.35E-06	4.68E-09	1.94E-08	5.676E-05	0.0038
589	570350.55,	5.14E-05	1.76E-09	1.69E-08	3.41E-07	6.52E-08	2.40E-06	9.86E-07	4.59E-06	4.93E-09	2.05E-08	5.986E-05	0.004
590	570390.55,	5.48E-05	1.88E-09	1.80E-08	3.64E-07	6.95E-08	2.56E-06	1.05E-06	4.89E-06	5.26E-09	2.18E-08	6.383E-05	0.0043
591	570430.55,	5.85E-05	2.00E-09	1.92E-08	3.88E-07	7.41E-08	2.73E-06	1.12E-06	5.22E-06	5.61E-09	2.33E-08	6.806E-05	0.0045
592	570470.55,	6.71E-05	2.30E-09	2.20E-08	4.45E-07	8.51E-08	3.13E-06	1.29E-06	5.99E-06	6.44E-09	2.67E-08	7.814E-05	0.0052
593	570510.55,	7.47E-05	2.56E-09	2.45E-08	4.96E-07	9.47E-08	3.48E-06	1.43E-06	6.66E-06	7.16E-09	2.97E-08	8.693E-05	0.0058
594	570550.55,	7.84E-05	2.69E-09	2.57E-08	5.20E-07	9.94E-08	3.65E-06	1.50E-06	7.00E-06	7.52E-09	3.12E-08	9.125E-05	0.0061
595	570590.55,	9.36E-05	3.21E-09	3.07E-08	6.21E-07	1.19E-07	4.36E-06	1.79E-06	8.35E-06	8.98E-09	3.72E-08	0.0001089	0.0073
596	570630.55,	1.08E-04	3.69E-09	3.53E-08	7.14E-07	1.37E-07	5.02E-06	2.06E-06	9.61E-06	1.03E-08	4.29E-08	0.0001253	0.0084
597	570670.55,	1.14E-04	3.92E-09	3.74E-08	7.58E-07	1.45E-07	5.33E-06	2.19E-06	1.02E-05	1.10E-08	4.55E-08	0.000133	0.0089
598	570710.55,	1.17E-04	4.02E-09	3.84E-08	7.78E-07	1.49E-07	5.46E-06	2.25E-06	1.05E-05	1.12E-08	4.66E-08	0.0001364	0.0091
599	570750.55,	1.21E-04	4.15E-09	3.96E-08	8.02E-07	1.53E-07	5.64E-06	2.32E-06	1.08E-05	1.16E-08	4.81E-08	0.0001408	0.0094
600	570790.55,	1.31E-04	4.50E-09	4.30E-08	8.70E-07	1.66E-07	6.11E-06	2.51E-06	1.17E-05	1.26E-08	5.22E-08	0.0001526	0.0102
601	570830.55,	1.61E-04	5.50E-09	5.26E-08	1.06E-06	2.04E-07	7.48E-06	3.08E-06	1.43E-05	1.54E-08	6.39E-08	0.0001868	0.0125
602	570870.55,	1.74E-04	5.96E-09	5.70E-08	1.15E-06	2.21E-07	8.11E-06	3.33E-06	1.55E-05	1.67E-08	6.92E-08	0.0002025	0.0135
603	570910.55,	1.86E-04	6.39E-09	6.10E-08	1.24E-06	2.36E-07	8.68E-06	3.57E-06	1.66E-05	1.79E-08	7.41E-08	0.0002168	0.0145
604	570950.55,	1.76E-04	6.04E-09	5.77E-08	1.17E-06	2.23E-07	8.21E-06	3.38E-06	1.57E-05	1.69E-08	7.01E-08	0.0002051	0.0137
605	570990.55,	1.64E-04	5.62E-09	5.37E-08	1.09E-06	2.08E-07	7.64E-06	3.14E-06	1.46E-05	1.57E-08	6.53E-08	0.0001909	0.0127
606	571030.55,	1.41E-04	4.85E-09	4.63E-08	9.38E-07	1.79E-07	6.59E-06	2.71E-06	1.26E-05	1.36E-08	5.63E-08	0.0001646	0.011
607	571070.55,	1.32E-04	4.52E-09	4.31E-08	8.74E-07	1.67E-07	6.14E-06	2.52E-06	1.18E-05	1.26E-08	5.24E-08	0.0001533	0.0102
608	571110.55,	1.45E-04	4.97E-09	4.75E-08	9.62E-07	1.84E-07	6.76E-06	2.78E-06	1.29E-05	1.39E-08	5.77E-08	0.0001687	0.0112
609	571150.55,	1.19E-04	4.08E-09	3.90E-08	7.89E-07	1.51E-07	5.54E-06	2.28E-06	1.06E-05	1.14E-08	4.73E-08	0.0001384	0.0092
610	571190.55,	1.20E-04	4.12E-09	3.94E-08	7.98E-07	1.53E-07	5.61E-06	2.30E-06	1.07E-05	1.15E-08	4.79E-08	0.00014	0.0093
611	571230.55,	9.62E-05	3.30E-09	3.15E-08	6.38E-07	1.22E-07	4.48E-06	1.84E-06	8.58E-06	9.22E-09	3.83E-08	0.0001119	0.0075
612	571270.55,	9.07E-05	3.11E-09	2.97E-08	6.02E-07	1.15E-07	4.23E-06	1.74E-06	8.09E-06	8.70E-09	3.61E-08	0.0001055	0.007
613	571310.55,	7.93E-05	2.72E-09	2.60E-08	5.26E-07	1.01E-07	3.70E-06	1.52E-06	7.08E-06	7.61E-09	3.16E-08	9.232E-05	0.0062
614	571350.55,	6.15E-05	2.11E-09	2.01E-08	4.08E-07	7.79E-08	2.86E-06	1.18E-06	5.48E-06	5.89E-09	2.45E-08	7.153E-05	0.0048
615	571390.55,	5.93E-05	2.03E-09	1.94E-08	3.94E-07	7.52E-08	2.77E-06	1.14E-06	5.29E-06	5.69E-09	2.36E-08	6.904E-05	0.0046
616	571430.55,	7.61E-05	2.61E-09	2.49E-08	5.05E-07	9.65E-08	3.55E-06	1.46E-06	6.79E-06	7.30E-09	3.03E-08	8.855E-05	0.0059
617	571470.55,	7.96E-05	2.73E-09	2.61E-08	5.28E-07	1.01E-07	3.71E-06	1.52E-06	7.10E-06	7.63E-09	3.17E-08	9.262E-05	0.0062

618	571510.55,	6.43E-05	2.21E-09	2.11E-08	4.27E-07	8.16E-08	3.00E-06	1.23E-06	5.74E-06	6.17E-09	2.56E-08	7.486E-05	0.005
619	571550.55,	5.92E-05	2.03E-09	1.94E-08	3.93E-07	7.51E-08	2.76E-06	1.13E-06	5.28E-06	5.68E-09	2.36E-08	6.892E-05	0.0046
620	571590.55,	5.07E-05	1.74E-09	1.66E-08	3.37E-07	6.43E-08	2.36E-06	9.72E-07	4.53E-06	4.86E-09	2.02E-08	5.904E-05	0.0039
621	570310.55,	4.75E-05	1.63E-09	1.56E-08	3.15E-07	6.02E-08	2.21E-06	9.10E-07	4.24E-06	4.55E-09	1.89E-08	5.528E-05	0.0037
622	570350.55,	5.00E-05	1.71E-09	1.64E-08	3.32E-07	6.34E-08	2.33E-06	9.58E-07	4.46E-06	4.79E-09	1.99E-08	5.818E-05	0.0039
623	570390.55,	5.63E-05	1.93E-09	1.84E-08	3.73E-07	7.14E-08	2.62E-06	1.08E-06	5.02E-06	5.40E-09	2.24E-08	6.55E-05	0.0044
624	570430.55,	6.31E-05	2.16E-09	2.07E-08	4.18E-07	7.99E-08	2.94E-06	1.21E-06	5.63E-06	6.05E-09	2.51E-08	7.338E-05	0.0049
625	570470.55,	6.74E-05	2.31E-09	2.21E-08	4.47E-07	8.55E-08	3.14E-06	1.29E-06	6.01E-06	6.46E-09	2.68E-08	7.844E-05	0.0052
626	570510.55,	7.00E-05	2.40E-09	2.29E-08	4.64E-07	8.88E-08	3.26E-06	1.34E-06	6.25E-06	6.71E-09	2.79E-08	8.147E-05	0.0054
627	570550.55,	8.51E-05	2.92E-09	2.79E-08	5.65E-07	1.08E-07	3.97E-06	1.63E-06	7.59E-06	8.16E-09	3.39E-08	9.903E-05	0.0066
628	570590.55,	9.62E-05	3.30E-09	3.15E-08	6.39E-07	1.22E-07	4.49E-06	1.84E-06	8.59E-06	9.23E-09	3.83E-08	0.000112	0.0075
629	570630.55,	1.01E-04	3.46E-09	3.31E-08	6.70E-07	1.28E-07	4.71E-06	1.94E-06	9.02E-06	9.69E-09	4.02E-08	0.0001176	0.0078
630	570670.55,	1.00E-04	3.44E-09	3.29E-08	6.66E-07	1.27E-07	4.68E-06	1.92E-06	8.95E-06	9.62E-09	3.99E-08	0.0001168	0.0078
631	570710.55,	1.05E-04	3.61E-09	3.45E-08	6.98E-07	1.33E-07	4.91E-06	2.02E-06	9.39E-06	1.01E-08	4.19E-08	0.0001225	0.0082
632	570750.55,	1.10E-04	3.76E-09	3.59E-08	7.27E-07	1.39E-07	5.11E-06	2.10E-06	9.78E-06	1.05E-08	4.36E-08	0.0001276	0.0085
633	570790.55,	1.15E-04	3.95E-09	3.77E-08	7.64E-07	1.46E-07	5.37E-06	2.21E-06	1.03E-05	1.10E-08	4.58E-08	0.000134	0.0089
634	570830.55,	1.28E-04	4.38E-09	4.18E-08	8.47E-07	1.62E-07	5.95E-06	2.45E-06	1.14E-05	1.22E-08	5.08E-08	0.0001487	0.0099
635	570870.55,	1.27E-04	4.34E-09	4.15E-08	8.41E-07	1.61E-07	5.91E-06	2.43E-06	1.13E-05	1.22E-08	5.04E-08	0.0001475	0.0098
636	570910.55,	1.36E-04	4.65E-09	4.44E-08	8.99E-07	1.72E-07	6.32E-06	2.60E-06	1.21E-05	1.30E-08	5.39E-08	0.0001577	0.0105
637	570950.55,	1.36E-04	4.66E-09	4.45E-08	9.02E-07	1.72E-07	6.34E-06	2.60E-06	1.21E-05	1.30E-08	5.41E-08	0.0001582	0.0105
638	570990.55,	1.42E-04	4.87E-09	4.65E-08	9.42E-07	1.80E-07	6.62E-06	2.72E-06	1.27E-05	1.36E-08	5.65E-08	0.0001653	0.011
639	571030.55,	1.34E-04	4.60E-09	4.39E-08	8.89E-07	1.70E-07	6.25E-06	2.57E-06	1.20E-05	1.29E-08	5.33E-08	0.000156	0.0104
640	571070.55,	1.00E-04	3.44E-09	3.29E-08	6.66E-07	1.27E-07	4.68E-06	1.92E-06	8.95E-06	9.62E-09	3.99E-08	0.0001168	0.0078
641	571110.55,	1.15E-04	3.96E-09	3.78E-08	7.66E-07	1.46E-07	5.38E-06	2.21E-06	1.03E-05	1.11E-08	4.60E-08	0.0001344	0.009
642	571150.55,	1.13E-04	3.89E-09	3.71E-08	7.52E-07	1.44E-07	5.28E-06	2.17E-06	1.01E-05	1.09E-08	4.51E-08	0.000132	0.0088
643	571190.55,	9.80E-05	3.36E-09	3.21E-08	6.50E-07	1.24E-07	4.57E-06	1.88E-06	8.74E-06	9.39E-09	3.90E-08	0.000114	0.0076
644	571230.55,	9.86E-05	3.38E-09	3.23E-08	6.54E-07	1.25E-07	4.60E-06	1.89E-06	8.80E-06	9.46E-09	3.92E-08	0.0001148	0.0077
645	571270.55,	8.91E-05	3.05E-09	2.92E-08	5.91E-07	1.13E-07	4.15E-06	1.71E-06	7.95E-06	8.54E-09	3.54E-08	0.0001036	0.0069
646	571310.55,	7.93E-05	2.72E-09	2.60E-08	5.26E-07	1.01E-07	3.70E-06	1.52E-06	7.08E-06	7.61E-09	3.16E-08	9.232E-05	0.0062
647	571350.55,	6.21E-05	2.13E-09	2.04E-08	4.12E-07	7.88E-08	2.90E-06	1.19E-06	5.54E-06	5.96E-09	2.47E-08	7.232E-05	0.0048
648	571390.55,	4.84E-05	1.66E-09	1.59E-08	3.21E-07	6.14E-08	2.26E-06	9.27E-07	4.32E-06	4.64E-09	1.93E-08	5.632E-05	0.0038
649	571430.55,	5.12E-05	1.75E-09	1.68E-08	3.39E-07	6.49E-08	2.38E-06	9.80E-07	4.57E-06	4.91E-09	2.04E-08	5.955E-05	0.004
650	571470.55,	6.88E-05	2.36E-09	2.25E-08	4.56E-07	8.72E-08	3.20E-06	1.32E-06	6.13E-06	6.59E-09	2.74E-08	8.002E-05	0.0053
651	571510.55,	7.04E-05	2.41E-09	2.31E-08	4.67E-07	8.93E-08	3.28E-06	1.35E-06	6.28E-06	6.75E-09	2.80E-08	8.196E-05	0.0055
652	571550.55,	5.66E-05	1.94E-09	1.85E-08	3.75E-07	7.17E-08	2.64E-06	1.08E-06	5.05E-06	5.43E-09	2.25E-08	6.585E-05	0.0044
653	571590.55,	5.31E-05	1.82E-09	1.74E-08	3.52E-07	6.73E-08	2.47E-06	1.02E-06	4.74E-06	5.09E-09	2.11E-08	6.178E-05	0.0041
654	570310.55,	4.79E-05	1.64E-09	1.57E-08	3.18E-07	6.08E-08	2.23E-06	9.19E-07	4.28E-06	4.60E-09	1.91E-08	5.58E-05	0.0037
655	570350.55,	5.40E-05	1.85E-09	1.77E-08	3.58E-07	6.85E-08	2.52E-06	1.03E-06	4.82E-06	5.18E-09	2.15E-08	6.286E-05	0.0042
656	570390.55,	5.83E-05	2.00E-09	1.91E-08	3.87E-07	7.39E-08	2.72E-06	1.12E-06	5.20E-06	5.59E-09	2.32E-08	6.786E-05	0.0045
657	570430.55,	6.03E-05	2.07E-09	1.97E-08	4.00E-07	7.64E-08	2.81E-06	1.15E-06	5.38E-06	5.78E-09	2.40E-08	7.013E-05	0.0047
658	570470.55,	6.50E-05	2.23E-09	2.13E-08	4.31E-07	8.24E-08	3.03E-06	1.25E-06	5.80E-06	6.23E-09	2.59E-08	7.564E-05	0.005
659	570510.55,	7.80E-05	2.68E-09	2.56E-08	5.18E-07	9.89E-08	3.64E-06	1.50E-06	6.96E-06	7.48E-09	3.11E-08	9.082E-05	0.0061
660	570550.55,	8.68E-05	2.98E-09	2.84E-08	5.76E-07	1.10E-07	4.05E-06	1.66E-06	7.74E-06	8.32E-09	3.45E-08	0.000101	0.0067
661	570590.55,	8.97E-05	3.07E-09	2.94E-08	5.95E-07	1.14E-07	4.18E-06	1.72E-06	8.00E-06	8.60E-09	3.57E-08	0.0001044	0.007
662	570630.55,	8.66E-05	2.97E-09	2.84E-08	5.74E-07	1.10E-07	4.03E-06	1.66E-06	7.72E-06	8.30E-09	3.44E-08	0.0001007	0.0067
663	570670.55,	9.32E-05	3.19E-09	3.05E-08	6.18E-07	1.18E-07	4.34E-06	1.79E-06	8.31E-06	8.93E-09	3.71E-08	0.0001084	0.0072
664	570710.55,	9.51E-05	3.26E-09	3.12E-08	6.31E-07	1.21E-07	4.43E-06	1.82E-06	8.49E-06	9.12E-09	3.79E-08	0.0001107	0.0074
665	570750.55,	9.90E-05	3.39E-09	3.24E-08	6.57E-07	1.25E-07	4.61E-06	1.90E-06	8.83E-06	9.49E-09	3.94E-08	0.0001152	0.0077
666	570790.55,	9.60E-05	3.29E-09	3.15E-08	6.37E-07	1.22E-07	4.48E-06	1.84E-06	8.57E-06	9.21E-09	3.82E-08	0.0001118	0.0075
667	570830.55,	1.10E-04	3.78E-09	3.61E-08	7.31E-07	1.40E-07	5.13E-06	2.11E-06	9.83E-06	1.06E-08	4.38E-08	0.0001282	0.0085
668	570870.55,	9.50E-05	3.26E-09	3.11E-08	6.30E-07	1.20E-07	4.43E-06	1.82E-06	8.47E-06	9.11E-09	3.78E-08	0.0001105	0.0074
669	570910.55,	1.03E-04	3.55E-09	3.39E-08	6.86E-07	1.31E-07	4.82E-06	1.98E-06	9.23E-06	9.92E-09	4.12E-08	0.0001204	0.008
670	570950.55,	1.08E-04	3.69E-09	3.52E-08	7.13E-07	1.36E-07	5.01E-06	2.06E-06	9.59E-06	1.03E-08	4.28E-08	0.0001251	0.0083
671	570990.55,	1.11E-04	3.81E-09	3.64E-08	7.38E-07	1.41E-07	5.19E-06	2.13E-06	9.93E-06	1.07E-08	4.43E-08	0.0001295	0.0086
672	571030.55,	1.24E-04	4.25E-09	4.06E-08	8.22E-07	1.57E-07	5.77E-06	2.37E-06	1.11E-05	1.19E-08	4.93E-08	0.0001442	0.0096
673	571070.55,	9.95E-05	3.41E-09	3.26E-08	6.60E-07	1.26E-07	4.64E-06	1.91E-06	8.88E-06	9.54E-09	3.96E-08	0.0001158	0.0077
674	571110.55,	8.67E-05	2.97E-09	2.84E-08	5.75E-07	1.10E-07	4.04E-06	1.66E-06	7.73E-06	8.31E-09	3.45E-08	0.0001009	0.0067
675	571150.55,	1.02E-04	3.49E-09	3.33E-08	6.75E-07	1.29E-07	4.74E-06	1.95E-06	9.08E-06	9.76E-09	4.05E-08	0.0001184	0.0079
676	571190.55,	9.28E-05	3.18E-09	3.04E-08	6.16E-07	1.18E-07	4.33E-06	1.78E-06	8.28E-06	8.90E-09	3.69E-08	0.000108	0.0072
677	571230.55,	8.39E-05	2.88E-09	2.75E-08	5.57E-07	1.06E-07	3.91E-06	1.61E-06	7.49E-06	8.04E-09	3.34E-08	9.764E-05	0.0065
678	571270.55,	8.17E-05	2.80E-09	2.67E-08	5.42E-07	1.04E-07	3.81E-06	1.56E-06	7.29E-06	7.83E-09	3.25E-08	9.503E-05	0.0063
679	571310.55,	8.00E-05	2.74E-09	2.62E-08	5.31E-07	1.01E-07	3.73E-06	1.53E-06	7.14E-06	7.67E-09	3.18E-08	9.307E-05	0.0062
680	571350.55,	6.46E-05	2.21E-09	2.11E-08	4.28E-07	8.18E-08	3.01E-06	1.24E-06	5.76E-06	6.19E-09	2.57E-08	7.513E-05	0.005
681	571390.55,	5.25E-05	1.80E-09	1.72E-08	3.49E-07	6.66E-08	2.45E-06	1.01E-06	4.69E-06	5.04E-09	2.09E-08	6.114E-05	0.0041
682	571430.55,	3.75E-05	1.28E-09	1.23E-08	2.49E-07	4.75E-08	1.75E-06	7.18E-07	3.34E-06	3.59E-09	1.49E-08	4.36E-05	0.0029
683	571470.55,	4.82E-05	1.65E-09	1.58E-08	3.20E-07	6.12E-08	2.25E-06	9.24E-07	4.30E-06	4.63E-09	1.92E-08	5.614E-05	0.0037
684	571510.55,	6.27E-05	2.15E-09	2.05E-08	4.16E-07	7.95E-08	2.92E-06	1.20E-06	5.60E-06	6.01E-09	2.50E-08	7.3E-05	0.0049
685	571550.55,	6.32E-05	2.17E-09	2.07E-08	4.19E-07	8.01E-08	2.95E-06	1.21E-06	5.64E-06	6.06E-09	2.51E-08	7.354E-05	0.0049
686	571590.55,	5.06E-05	1.74E-09	1.66E-08	3.36E-07	6.42E-08	2.36E-06	9.70E-07	4.52E-06	4.85E-09	2.01E-08	5.891E-05	0.0039

687	570310.55,	5.09E-05	1.74E-09	1.67E-08	3.38E-07	6.45E-08	2.37E-06	9.75E-07	4.54E-06	4.88E-09	2.02E-08	5.922E-05	0.0039
688	570350.55,	5.32E-05	1.82E-09	1.74E-08	3.53E-07	6.75E-08	2.48E-06	1.02E-06	4.75E-06	5.10E-09	2.12E-08	6.191E-05	0.0041
689	570390.55,	5.34E-05	1.83E-09	1.75E-08	3.54E-07	6.77E-08	2.49E-06	1.02E-06	4.76E-06	5.12E-09	2.12E-08	6.21E-05	0.0041
690	570430.55,	6.10E-05	2.09E-09	2.00E-08	4.05E-07	7.74E-08	2.85E-06	1.17E-06	5.45E-06	5.85E-09	2.43E-08	7.105E-05	0.0047
691	570470.55,	7.20E-05	2.47E-09	2.36E-08	4.78E-07	9.13E-08	3.36E-06	1.38E-06	6.42E-06	6.90E-09	2.87E-08	8.38E-05	0.0056
692	570510.55,	7.87E-05	2.70E-09	2.58E-08	5.22E-07	9.98E-08	3.67E-06	1.51E-06	7.02E-06	7.54E-09	3.13E-08	9.157E-05	0.0061
693	570550.55,	8.00E-05	2.74E-09	2.62E-08	5.31E-07	1.01E-07	3.73E-06	1.53E-06	7.14E-06	7.67E-09	3.18E-08	9.312E-05	0.0062
694	570590.55,	7.57E-05	2.59E-09	2.48E-08	5.02E-07	9.59E-08	3.53E-06	1.45E-06	6.75E-06	7.26E-09	3.01E-08	8.806E-05	0.0059
695	570630.55,	8.36E-05	2.87E-09	2.74E-08	5.55E-07	1.06E-07	3.90E-06	1.60E-06	7.46E-06	8.02E-09	3.33E-08	9.735E-05	0.0065
696	570670.55,	8.45E-05	2.90E-09	2.77E-08	5.60E-07	1.07E-07	3.94E-06	1.62E-06	7.54E-06	8.10E-09	3.36E-08	9.831E-05	0.0066
697	570710.55,	8.67E-05	2.97E-09	2.84E-08	5.75E-07	1.10E-07	4.04E-06	1.66E-06	7.74E-06	8.31E-09	3.45E-08	0.0001009	0.0067
698	570750.55,	8.42E-05	2.89E-09	2.76E-08	5.59E-07	1.07E-07	3.93E-06	1.61E-06	7.52E-06	8.08E-09	3.35E-08	9.802E-05	0.0065
699	570790.55,	8.89E-05	3.05E-09	2.91E-08	5.90E-07	1.13E-07	4.14E-06	1.70E-06	7.93E-06	8.52E-09	3.54E-08	0.0001034	0.0069
700	570830.55,	9.31E-05	3.19E-09	3.05E-08	6.18E-07	1.18E-07	4.34E-06	1.78E-06	8.31E-06	8.93E-09	3.71E-08	0.0001084	0.0072
701	570870.55,	8.76E-05	3.00E-09	2.87E-08	5.81E-07	1.11E-07	4.08E-06	1.68E-06	7.82E-06	8.40E-09	3.49E-08	0.000102	0.0068
702	570910.55,	8.30E-05	2.84E-09	2.72E-08	5.51E-07	1.05E-07	3.87E-06	1.59E-06	7.40E-06	7.96E-09	3.30E-08	9.658E-05	0.0064
703	570950.55,	8.80E-05	3.02E-09	2.88E-08	5.84E-07	1.12E-07	4.10E-06	1.69E-06	7.85E-06	8.44E-09	3.50E-08	0.0001024	0.0068
704	570990.55,	7.76E-05	2.66E-09	2.54E-08	5.15E-07	9.84E-08	3.62E-06	1.49E-06	6.92E-06	7.44E-09	3.09E-08	9.031E-05	0.006
705	571030.55,	1.10E-04	3.76E-09	3.60E-08	7.28E-07	1.39E-07	5.12E-06	2.10E-06	9.79E-06	1.05E-08	4.37E-08	0.0001277	0.0085
706	571070.55,	1.00E-04	3.43E-09	3.28E-08	6.63E-07	1.27E-07	4.66E-06	1.92E-06	8.92E-06	9.59E-09	3.98E-08	0.0001164	0.0078
707	571110.55,	7.39E-05	2.53E-09	2.42E-08	4.90E-07	9.37E-08	3.45E-06	1.42E-06	6.59E-06	7.09E-09	2.94E-08	8.602E-05	0.0057
708	571150.55,	7.75E-05	2.66E-09	2.54E-08	5.14E-07	9.83E-08	3.61E-06	1.49E-06	6.92E-06	7.44E-09	3.09E-08	9.025E-05	0.006
709	571190.55,	8.99E-05	3.08E-09	2.95E-08	5.97E-07	1.14E-07	4.19E-06	1.72E-06	8.02E-06	8.62E-09	3.58E-08	0.0001047	0.007
710	571230.55,	7.83E-05	2.68E-09	2.56E-08	5.19E-07	9.92E-08	3.65E-06	1.50E-06	6.98E-06	7.50E-09	3.11E-08	9.107E-05	0.0061
711	571270.55,	7.35E-05	2.52E-09	2.41E-08	4.88E-07	9.32E-08	3.43E-06	1.41E-06	6.56E-06	7.05E-09	2.92E-08	8.553E-05	0.0057
712	571310.55,	6.74E-05	2.31E-09	2.21E-08	4.47E-07	8.55E-08	3.14E-06	1.29E-06	6.02E-06	6.47E-09	2.68E-08	7.849E-05	0.0052
713	571350.55,	7.05E-05	2.42E-09	2.31E-08	4.68E-07	8.94E-08	3.29E-06	1.35E-06	6.29E-06	6.76E-09	2.81E-08	8.206E-05	0.0055
714	571390.55,	6.16E-05	2.11E-09	2.02E-08	4.09E-07	7.81E-08	2.87E-06	1.18E-06	5.50E-06	5.91E-09	2.45E-08	7.172E-05	0.0048
715	571430.55,	4.52E-05	1.55E-09	1.48E-08	3.00E-07	5.72E-08	2.10E-06	8.65E-07	4.03E-06	4.33E-09	1.80E-08	5.254E-05	0.0035
716	571470.55,	3.40E-05	1.17E-09	1.11E-08	2.26E-07	4.31E-08	1.59E-06	6.52E-07	3.03E-06	3.26E-09	1.35E-08	3.958E-05	0.0026
717	571510.55,	4.54E-05	1.56E-09	1.49E-08	3.01E-07	5.76E-08	2.12E-06	8.70E-07	4.05E-06	4.36E-09	1.81E-08	5.287E-05	0.0035
718	571550.55,	5.75E-05	1.97E-09	1.88E-08	3.81E-07	7.28E-08	2.68E-06	1.10E-06	5.13E-06	5.51E-09	2.29E-08	6.687E-05	0.0045
719	571590.55,	5.72E-05	1.96E-09	1.87E-08	3.79E-07	7.25E-08	2.66E-06	1.10E-06	5.10E-06	5.48E-09	2.27E-08	6.653E-05	0.0044
720	570310.55,	4.80E-05	1.64E-09	1.57E-08	3.18E-07	6.08E-08	2.24E-06	9.19E-07	4.28E-06	4.60E-09	1.91E-08	5.582E-05	0.0037
721	570350.55,	5.08E-05	1.74E-09	1.66E-08	3.37E-07	6.44E-08	2.37E-06	9.74E-07	4.53E-06	4.87E-09	2.02E-08	5.914E-05	0.0039
722	570390.55,	5.78E-05	1.98E-09	1.89E-08	3.84E-07	7.33E-08	2.69E-06	1.11E-06	5.16E-06	5.54E-09	2.30E-08	6.728E-05	0.0045
723	570430.55,	6.67E-05	2.29E-09	2.18E-08	4.42E-07	8.45E-08	3.11E-06	1.28E-06	5.95E-06	6.39E-09	2.65E-08	7.761E-05	0.0052
724	570470.55,	7.16E-05	2.45E-09	2.35E-08	4.75E-07	9.08E-08	3.34E-06	1.37E-06	6.39E-06	6.87E-09	2.85E-08	8.334E-05	0.0056
725	570510.55,	7.16E-05	2.45E-09	2.34E-08	4.75E-07	9.07E-08	3.34E-06	1.37E-06	6.39E-06	6.86E-09	2.85E-08	8.329E-05	0.0056
726	570550.55,	6.82E-05	2.34E-09	2.24E-08	4.53E-07	8.65E-08	3.18E-06	1.31E-06	6.09E-06	6.54E-09	2.72E-08	7.941E-05	0.0053
727	570590.55,	7.56E-05	2.59E-09	2.48E-08	5.01E-07	9.58E-08	3.52E-06	1.45E-06	6.74E-06	7.25E-09	3.01E-08	8.796E-05	0.0059
728	570630.55,	7.62E-05	2.61E-09	2.50E-08	5.05E-07	9.66E-08	3.55E-06	1.46E-06	6.80E-06	7.31E-09	3.03E-08	8.867E-05	0.0059
729	570670.55,	7.66E-05	2.63E-09	2.51E-08	5.08E-07	9.71E-08	3.57E-06	1.47E-06	6.83E-06	7.34E-09	3.05E-08	8.913E-05	0.0059
730	570710.55,	7.71E-05	2.64E-09	2.52E-08	5.11E-07	9.77E-08	3.59E-06	1.48E-06	6.88E-06	7.39E-09	3.07E-08	8.97E-05	0.006
731	570750.55,	7.18E-05	2.46E-09	2.35E-08	4.76E-07	9.10E-08	3.34E-06	1.37E-06	6.40E-06	6.88E-09	2.86E-08	8.351E-05	0.0056
732	570790.55,	8.34E-05	2.86E-09	2.73E-08	5.53E-07	1.06E-07	3.89E-06	1.60E-06	7.44E-06	7.99E-09	3.32E-08	9.702E-05	0.0065
733	570830.55,	7.59E-05	2.60E-09	2.49E-08	5.04E-07	9.62E-08	3.54E-06	1.45E-06	6.77E-06	7.28E-09	3.02E-08	8.833E-05	0.0059
734	570870.55,	8.04E-05	2.76E-09	2.63E-08	5.34E-07	1.02E-07	3.75E-06	1.54E-06	7.18E-06	7.71E-09	3.20E-08	9.36E-05	0.0062
735	570910.55,	7.21E-05	2.47E-09	2.36E-08	4.78E-07	9.14E-08	3.36E-06	1.38E-06	6.43E-06	6.91E-09	2.87E-08	8.392E-05	0.0056
736	570950.55,	7.90E-05	2.71E-09	2.59E-08	5.24E-07	1.00E-07	3.68E-06	1.51E-06	7.05E-06	7.58E-09	3.15E-08	9.199E-05	0.0061
737	570990.55,	6.67E-05	2.29E-09	2.19E-08	4.43E-07	8.46E-08	3.11E-06	1.28E-06	5.95E-06	6.40E-09	2.65E-08	7.764E-05	0.0052
738	571030.55,	9.02E-05	3.09E-09	2.95E-08	5.98E-07	1.14E-07	4.20E-06	1.73E-06	8.05E-06	8.65E-09	3.59E-08	0.000105	0.007
739	571070.55,	9.75E-05	3.34E-09	3.20E-08	6.47E-07	1.24E-07	4.55E-06	1.87E-06	8.70E-06	9.35E-09	3.88E-08	0.0001135	0.0076
740	571110.55,	7.66E-05	2.63E-09	2.51E-08	5.08E-07	9.72E-08	3.57E-06	1.47E-06	6.84E-06	7.35E-09	3.05E-08	8.919E-05	0.0059
741	571150.55,	5.52E-05	1.89E-09	1.81E-08	3.66E-07	7.00E-08	2.57E-06	1.06E-06	4.92E-06	5.29E-09	2.20E-08	6.421E-05	0.0043
742	571190.55,	7.05E-05	2.42E-09	2.31E-08	4.68E-07	8.94E-08	3.29E-06	1.35E-06	6.29E-06	6.76E-09	2.81E-08	8.209E-05	0.0055
743	571230.55,	7.97E-05	2.73E-09	2.61E-08	5.29E-07	1.01E-07	3.72E-06	1.53E-06	7.12E-06	7.65E-09	3.17E-08	9.281E-05	0.0062
744	571270.55,	6.74E-05	2.31E-09	2.21E-08	4.47E-07	8.54E-08	3.14E-06	1.29E-06	6.01E-06	6.46E-09	2.68E-08	7.843E-05	0.0052
745	571310.55,	6.51E-05	2.23E-09	2.13E-08	4.32E-07	8.25E-08	3.03E-06	1.25E-06	5.81E-06	6.24E-09	2.59E-08	7.574E-05	0.005
746	571350.55,	6.34E-05	2.17E-09	2.08E-08	4.20E-07	8.04E-08	2.95E-06	1.21E-06	5.65E-06	6.08E-09	2.52E-08	7.375E-05	0.0049
747	571390.55,	6.14E-05	2.11E-09	2.01E-08	4.08E-07	7.79E-08	2.86E-06	1.18E-06	5.48E-06	5.89E-09	2.44E-08	7.15E-05	0.0048
748	571430.55,	5.80E-05	1.99E-09	1.90E-08	3.85E-07	7.35E-08	2.70E-06	1.11E-06	5.17E-06	5.56E-09	2.31E-08	6.748E-05	0.0045
749	571470.55,	4.66E-05	1.60E-09	1.53E-08	3.09E-07	5.91E-08	2.17E-06	8.94E-07	4.16E-06	4.47E-09	1.86E-08	5.428E-05	0.0036
750	571510.55,	3.24E-05	1.11E-09	1.06E-08	2.15E-07	4.11E-08	1.51E-06	6.21E-07	2.89E-06	3.11E-09	1.29E-08	3.775E-05	0.0025
751	571550.55,	4.26E-05	1.46E-09	1.40E-08	2.83E-07	5.40E-08	1.99E-06	8.17E-07	3.80E-06	4.09E-09	1.70E-08	4.96E-05	0.0033
752	571590.55,	5.27E-05	1.81E-09	1.73E-08	3.49E-07	6.68E-08	2.45E-06	1.01E-06	4.70E-06	5.05E-09	2.10E-08	6.129E-05	0.0041
753	570839.17,	2.41E-03	8.25E-08	7.88E-07	1.60E-05	3.05E-06	1.12E-04	4.61E-05	2.15E-04	2.31E-07	9.58E-07	0.0028009	0.1867
754	570839.17,	5.68E-03	1.95E-07	1.86E-06	3.77E-05	7.20E-06	2.65E-04	1.09E-04	5.07E-04	5.45E-07	2.26E-06	0.0066104	0.4407
755	570879.17,	7.72E-04	2.65E-08	2.53E-07	5.12E-06	9.79E-07	3.60E-05	1.48E-05	6.89E-05	7.40E-08	3.07E-07	0.0008983	0.0599

756	570879.17,	7.58E-03	2.60E-07	2.48E-06	5.03E-05	9.61E-06	3.53E-04	1.45E-04	6.76E-04	7.27E-07	3.02E-06	0.0088227	0.5882
757	570879.17,	6.25E-04	2.14E-08	2.05E-07	4.15E-06	7.93E-07	2.91E-05	1.20E-05	5.58E-05	6.00E-08	2.49E-07	0.0007278	0.0485
758	570879.17,	6.58E-03	2.26E-07	2.16E-06	4.37E-05	8.34E-06	3.07E-04	1.26E-04	5.87E-04	6.31E-07	2.62E-06	0.0076591	0.5106
759	570879.17,	6.12E-04	2.10E-08	2.01E-07	4.06E-06	7.76E-07	2.85E-05	1.17E-05	5.46E-05	5.87E-08	2.44E-07	0.0007123	0.0475
760	570919.17,	2.22E-04	7.60E-09	7.26E-08	1.47E-06	2.81E-07	1.03E-05	4.25E-06	1.98E-05	2.12E-08	8.82E-08	0.0002579	0.0172
761	570919.17,	4.54E-04	1.56E-08	1.49E-07	3.02E-06	5.76E-07	2.12E-05	8.71E-06	4.05E-05	4.36E-08	1.81E-07	0.0005289	0.0353
762	570919.17,	1.28E-03	4.39E-08	4.20E-07	8.50E-06	1.62E-06	5.97E-05	2.46E-05	1.14E-04	1.23E-07	5.10E-07	0.0014916	0.0994
763	570919.17,	1.88E-03	6.45E-08	6.16E-07	1.25E-05	2.38E-06	8.76E-05	3.60E-05	1.68E-04	1.80E-07	7.48E-07	0.0021882	0.1459
764	570919.17,	5.58E-04	1.91E-08	1.83E-07	3.70E-06	7.08E-07	2.60E-05	1.07E-05	4.98E-05	5.35E-08	2.22E-07	0.0006497	0.0433
765	570919.17,	4.95E-03	1.70E-07	1.62E-06	3.28E-05	6.28E-06	2.31E-04	9.48E-05	4.42E-04	4.75E-07	1.97E-06	0.0057616	0.3841
766	570959.17,	1.87E-04	6.41E-09	6.12E-08	1.24E-06	2.37E-07	8.71E-06	3.58E-06	1.67E-05	1.79E-08	7.43E-08	0.0002174	0.0145
767	570959.17,	1.88E-04	6.43E-09	6.14E-08	1.24E-06	2.38E-07	8.74E-06	3.59E-06	1.67E-05	1.80E-08	7.46E-08	0.0002182	0.0145
768	570959.17,	2.96E-04	1.02E-08	9.70E-08	1.97E-06	3.76E-07	1.38E-05	5.68E-06	2.64E-05	2.84E-08	1.18E-07	0.0003447	0.023
769	570959.17,	5.71E-04	1.96E-08	1.87E-07	3.79E-06	7.24E-07	2.66E-05	1.09E-05	5.09E-05	5.47E-08	2.27E-07	0.0006643	0.0443
770	570959.17,	2.38E-03	8.16E-08	7.80E-07	1.58E-05	3.02E-06	1.11E-04	4.56E-05	2.12E-04	2.28E-07	9.47E-07	0.002771	0.1847
771	570959.17,	7.45E-03	2.55E-07	2.44E-06	4.94E-05	9.44E-06	3.47E-04	1.43E-04	6.64E-04	7.14E-07	2.96E-06	0.0086663	0.5778
772	570999.17,	5.20E-04	1.78E-08	1.70E-07	3.45E-06	6.59E-07	2.42E-05	9.95E-06	4.64E-05	4.98E-08	2.07E-07	0.0006046	0.0403
773	570999.17,	3.26E-04	1.12E-08	1.07E-07	2.16E-06	4.13E-07	1.52E-05	6.25E-06	2.91E-05	3.13E-08	1.30E-07	0.0003795	0.0253
774	570999.17,	2.30E-04	7.87E-09	7.52E-08	1.52E-06	2.91E-07	1.07E-05	4.40E-06	2.05E-05	2.20E-08	9.13E-08	0.0002671	0.0178
775	570999.17,	2.14E-04	7.35E-09	7.02E-08	1.42E-06	2.72E-07	9.99E-06	4.11E-06	1.91E-05	2.05E-08	8.53E-08	0.0002494	0.0166
776	570999.17,	3.57E-04	1.22E-08	1.17E-07	2.37E-06	4.53E-07	1.66E-05	6.84E-06	3.19E-05	3.42E-08	1.42E-07	0.0004155	0.0277
777	570999.17,	6.90E-04	2.36E-08	2.26E-07	4.57E-06	8.74E-07	3.21E-05	1.32E-05	6.15E-05	6.61E-08	2.74E-07	0.0008024	0.0535
778	571039.17,	1.21E-03	4.16E-08	3.98E-07	8.05E-06	1.54E-06	5.66E-05	2.33E-05	1.08E-04	1.16E-07	4.83E-07	0.0014124	0.0942
779	571039.17,	2.43E-03	8.32E-08	7.95E-07	1.61E-05	3.08E-06	1.13E-04	4.65E-05	2.17E-04	2.33E-07	9.66E-07	0.0028243	0.1883
780	571039.17,	5.79E-04	1.99E-08	1.90E-07	3.84E-06	7.34E-07	2.70E-05	1.11E-05	5.17E-05	5.55E-08	2.30E-07	0.0006741	0.0449
781	571039.17,	3.27E-04	1.12E-08	1.07E-07	2.17E-06	4.14E-07	1.52E-05	6.26E-06	2.91E-05	3.13E-08	1.30E-07	0.00038	0.0253
782	571039.17,	2.41E-04	8.25E-09	7.89E-08	1.60E-06	3.05E-07	1.12E-05	4.61E-06	2.15E-05	2.31E-08	9.58E-08	0.0002802	0.0187
783	571039.17,	2.35E-04	8.07E-09	7.71E-08	1.56E-06	2.99E-07	1.10E-05	4.51E-06	2.10E-05	2.26E-08	9.37E-08	0.000274	0.0183
784	571079.17,	1.30E-03	4.46E-08	4.26E-07	8.63E-06	1.65E-06	6.07E-05	2.49E-05	1.16E-04	1.25E-07	5.18E-07	0.0015144	0.101
785	571079.17,	1.83E-03	6.27E-08	5.99E-07	1.21E-05	2.32E-06	8.52E-05	3.50E-05	1.63E-04	1.75E-07	7.27E-07	0.0021273	0.1418
786	571079.17,	1.38E-03	4.74E-08	4.53E-07	9.17E-06	1.75E-06	6.44E-05	2.65E-05	1.23E-04	1.33E-07	5.50E-07	0.0016086	0.1072
787	571079.17,	4.90E-04	1.68E-08	1.60E-07	3.25E-06	6.21E-07	2.28E-05	9.38E-06	4.37E-05	4.70E-08	1.95E-07	0.0005699	0.038
788	571079.17,	3.18E-04	1.09E-08	1.04E-07	2.11E-06	4.04E-07	1.48E-05	6.10E-06	2.84E-05	3.05E-08	1.27E-07	0.0003704	0.0247
789	571119.17,	9.35E-04	3.21E-08	3.06E-07	6.20E-06	1.19E-06	4.36E-05	1.79E-05	8.34E-05	8.96E-08	3.72E-07	0.0010881	0.0725
790	571119.17,	7.16E-03	2.46E-07	2.35E-06	4.75E-05	9.08E-06	3.34E-04	1.37E-04	6.39E-04	6.87E-07	2.85E-06	0.0083358	0.5557
791	571119.17,	8.77E-04	3.00E-08	2.87E-07	5.82E-06	1.11E-06	4.09E-05	1.68E-05	7.82E-05	8.40E-08	3.49E-07	0.0010201	0.068
792	571159.17,	6.89E-03	2.36E-07	2.26E-06	4.57E-05	8.73E-06	3.21E-04	1.32E-04	6.15E-04	6.60E-07	2.74E-06	0.0080156	0.5344
793	570808.82,	1.34E-03	4.58E-08	4.38E-07	8.86E-06	1.69E-06	6.23E-05	2.56E-05	1.19E-04	1.28E-07	5.31E-07	0.0015544	0.1036
794	570823.91,	3.11E-04	1.07E-08	1.02E-07	2.06E-06	3.94E-07	1.45E-05	5.95E-06	2.77E-05	2.98E-08	1.24E-07	0.0003616	0.0241
795	570883.31,	4.18E-04	1.43E-08	1.37E-07	2.78E-06	5.30E-07	1.95E-05	8.01E-06	3.73E-05	4.01E-08	1.66E-07	0.0004868	0.0325
796	571181.45,	3.85E-03	1.32E-07	1.26E-06	2.56E-05	4.89E-06	1.80E-04	7.38E-05	3.44E-04	3.69E-07	1.53E-06	0.0044843	0.299
797	571067.83,	9.87E-04	3.38E-08	3.23E-07	6.55E-06	1.25E-06	4.60E-05	1.89E-05	8.80E-05	9.46E-08	3.93E-07	0.0011484	0.0766
798	570799.89,	6.30E-04	2.16E-08	2.06E-07	4.18E-06	7.99E-07	2.94E-05	1.21E-05	5.62E-05	6.04E-08	2.51E-07	0.0007334	0.0489

	Trenching	Grading	Arsenic
Emissions Rate (g/s):	6.57983E-08	4.13E-10	

Concentration [µg/m^3] at 1 g/s

#	X	Y	X,Y	Trenching Period	Grading Period	Treching 1hr	Grading 1hr	Trenching 8hr	Grading 8hr
1	570310.6	4177919	0.55, 4177	0.08215	0.06425	53.98877	25.74637	6.7486	3.78109
2	570350.6	4177919	0.55, 4177	0.08744	0.06946	61.34869	26.43683	7.66859	3.66465
3	570390.6	4177919	0.55, 4177	0.09273	0.07514	67.57642	27.23616	8.44705	3.80844
4	570430.6	4177919	0.55, 4177	0.09799	0.08123	71.34976	28.07066	8.91872	4.01428
5	570470.6	4177919	0.55, 4177	0.10292	0.08757	71.34124	28.88227	8.91766	4.18506
6	570510.6	4177919	0.55, 4177	0.10719	0.09397	70.57748	29.51269	8.82218	4.31581
7	570550.6	4177919	0.55, 4177	0.11095	0.10041	80.02506	30.00614	10.00313	4.88273
8	570590.6	4177919	0.55, 4177	0.11537	0.10684	81.14556	31.22548	10.14319	5.49199
9	570630.6	4177919	0.55, 4177	0.12154	0.11343	82.02682	32.76834	10.54682	6.07261
10	570670.6	4177919	0.55, 4177	0.12896	0.11974	90.28793	34.09351	12.11861	6.60764
11	570710.6	4177919	0.55, 4177	0.13589	0.12543	92.03158	38.34133	11.50395	7.03486
12	570750.6	4177919	0.55, 4177	0.14097	0.13029	98.93292	42.68075	12.36662	7.25038
13	570790.6	4177919	0.55, 4177	0.1434	0.13429	101.78306	44.96916	12.72288	7.16867
14	570830.6	4177919	0.55, 4177	0.14249	0.1373	103.05806	46.92439	12.88226	6.63254
15	570870.6	4177919	0.55, 4177	0.13915	0.13926	113.81753	49.41272	14.22719	6.17659
16	570910.6	4177919	0.55, 4177	0.13537	0.14116	103.09741	52.00284	16.13684	6.50036
17	570950.6	4177919	0.55, 4177	0.13129	0.14261	128.63222	54.75687	19.7206	7.6051
18	570990.6	4177919	0.55, 4177	0.12715	0.1442	126.51514	58.01026	18.07359	9.36612
19	571030.6	4177919	0.55, 4177	0.12254	0.14609	125.39004	62.99788	17.19472	10.49965
20	571070.6	4177919	0.55, 4177	0.1201	0.14847	126.80092	67.58831	16.22667	10.87469
21	571110.6	4177919	0.55, 4177	0.1205	0.15044	126.62476	68.47754	20.2586	9.61445
22	571150.6	4177919	0.55, 4177	0.1212	0.15159	131.66409	62.22893	21.10658	9.19459
23	571190.6	4177919	0.55, 4177	0.12215	0.15198	137.85581	66.48698	19.69369	10.25241
24	571230.6	4177919	0.55, 4177	0.12354	0.15154	148.65332	75.08948	21.23619	9.50538
25	571270.6	4177919	0.55, 4177	0.12544	0.15047	135.01221	73.55453	18.66937	9.80753
26	571310.6	4177919	0.55, 4177	0.12844	0.14895	144.25948	74.57026	18.03243	9.63087
27	571350.6	4177919	0.55, 4177	0.13264	0.1484	134.13439	65.82548	16.7668	8.49886

Concentration (µg/m^3)
Unmitigated

#	Trenching Period	Grading Period	Period Total	Treching 1hr	Grading 1hr	1hr Total	Trenching 8h	Grading 8hr	8hr Total
1	5.40533E-09	2.66E-11	5.432E-09	3.552E-06	1.06E-08	3.563E-06	4.44E-07	2.79E-09	4.468E-07
2	5.75341E-09	2.87E-11	5.782E-09	4.037E-06	1.09E-08	4.048E-06	5.046E-07	3.17E-09	5.078E-07
3	6.10148E-09	3.11E-11	6.133E-09	4.446E-06	1.13E-08	4.458E-06	5.558E-07	3.49E-09	5.593E-07
4	6.44758E-09	3.36E-11	6.481E-09	4.695E-06	1.16E-08	4.706E-06	5.868E-07	3.69E-09	5.905E-07
5	6.77196E-09	3.62E-11	6.808E-09	4.694E-06	1.19E-08	4.706E-06	5.868E-07	3.69E-09	5.905E-07
6	7.05292E-09	3.89E-11	7.092E-09	4.644E-06	1.22E-08	4.656E-06	5.805E-07	3.65E-09	5.841E-07
7	7.30032E-09	4.15E-11	7.342E-09	5.266E-06	1.24E-08	5.278E-06	6.582E-07	4.14E-09	6.623E-07
8	7.59115E-09	4.42E-11	7.635E-09	5.339E-06	1.29E-08	5.352E-06	6.674E-07	4.19E-09	6.716E-07
9	7.99713E-09	4.69E-11	8.044E-09	5.397E-06	1.35E-08	5.411E-06	6.94E-07	4.36E-09	6.983E-07
10	8.48535E-09	4.95E-11	8.535E-09	5.941E-06	1.41E-08	5.955E-06	7.974E-07	5.01E-09	8.024E-07
11	8.94133E-09	5.19E-11	8.993E-09	6.056E-06	1.59E-08	6.071E-06	7.569E-07	4.76E-09	7.617E-07
12	9.27559E-09	5.39E-11	9.329E-09	6.51E-06	1.76E-08	6.527E-06	8.137E-07	5.11E-09	8.188E-07
13	9.43548E-09	5.55E-11	9.491E-09	6.697E-06	1.86E-08	6.716E-06	8.371E-07	5.26E-09	8.424E-07
14	9.3756E-09	5.68E-11	9.432E-09	6.781E-06	1.94E-08	6.8E-06	8.476E-07	5.33E-09	8.53E-07
15	9.15584E-09	5.76E-11	9.213E-09	7.489E-06	2.04E-08	7.509E-06	9.361E-07	5.88E-09	9.42E-07
16	8.90712E-09	5.84E-11	8.965E-09	6.784E-06	2.15E-08	6.805E-06	1.062E-06	6.67E-09	1.068E-06
17	8.63866E-09	5.90E-11	8.698E-09	8.464E-06	2.26E-08	8.486E-06	1.298E-06	8.15E-09	1.306E-06
18	8.36626E-09	5.96E-11	8.426E-09	8.324E-06	2.40E-08	8.348E-06	1.189E-06	7.47E-09	1.197E-06
19	8.06293E-09	6.04E-11	8.123E-09	8.25E-06	2.60E-08	8.277E-06	1.131E-06	7.11E-09	1.138E-06
20	7.90238E-09	6.14E-11	7.964E-09	8.343E-06	2.79E-08	8.371E-06	1.068E-06	6.71E-09	1.074E-06
21	7.9287E-09	6.22E-11	7.991E-09	8.332E-06	2.83E-08	8.36E-06	1.333E-06	8.38E-09	1.341E-06
22	7.97476E-09	6.27E-11	8.037E-09	8.663E-06	2.57E-08	8.689E-06	1.389E-06	8.73E-09	1.398E-06
23	8.03727E-09	6.28E-11	8.1E-09	9.071E-06	2.75E-08	9.098E-06	1.296E-06	8.14E-09	1.304E-06
24	8.12873E-09	6.27E-11	8.191E-09	9.781E-06	3.10E-08	9.812E-06	1.397E-06	8.78E-09	1.406E-06
25	8.25374E-09	6.22E-11	8.316E-09	8.884E-06	3.04E-08	8.914E-06	1.228E-06	7.72E-09	1.236E-06
26	8.45114E-09	6.16E-11	8.513E-09	9.492E-06	3.08E-08	9.523E-06	1.187E-06	7.46E-09	1.194E-06
27	8.72749E-09	6.14E-11	8.789E-09	8.826E-06	2.72E-08	8.853E-06	1.103E-06	6.93E-09	1.11E-06

#	Unmitigated Residential Dose 3rd	0<2	2<9	Risk by Age Group 3rd	0<2	2<9	Total Risk	Unmitigated Chronic	Acute	8hr	Student Unmitigated Dose	Risk	Worker Unmitigated Dose	Risk
1	1.68E-12	5.06E-12	2.93E-12	6.11E-13	1.47E-11	8.14E-13	1.61736E-11	3.621E-07	1.7815E-05	2.98E-05	1.39295E-12	2.14912E-12	8.5571E-13	4.40079E-13
2	1.78E-12	5.39E-12	3.12E-12	6.5E-13	1.57E-11	8.66E-13	1.72164E-11	3.855E-07	2.0238E-05	3.39E-05	1.48276E-12	2.28768E-12	9.10883E-13	4.68454E-13
3	1.89E-12	5.71E-12	3.31E-12	6.89E-13	1.67E-11	9.19E-13	1.82598E-11	4.088E-07	2.2288E-05	3.73E-05	1.57262E-12	2.42633E-12	9.66086E-13	4.96844E-13
4	2E-12	6.04E-12	3.5E-12	7.29E-13	1.76E-11	9.71E-13	1.92978E-11	4.321E-07	2.3532E-05	3.94E-05	1.66202E-12	2.56426E-12	1.02101E-12	5.25088E-13
5	2.1E-12	6.34E-12	3.67E-12	7.65E-13	1.85E-11	1.02E-12	2.02715E-11	4.539E-07	2.353E-05	3.94E-05	1.74588E-12	2.69364E-12	1.07252E-12	5.51582E-13
6	2.19E-12	6.61E-12	3.83E-12	7.97E-13	1.93E-11	1.06E-12	2.11159E-11	4.728E-07	2.328E-05	3.89E-05	1.8186E-12	2.80585E-12	1.1172E-12	5.74559E-13
7	2.27E-12	6.84E-12	3.96E-12	8.25E-13	1.99E-11	1.1E-12	2.18605E-11	4.895E-07	2.639E-05	4.42E-05	1.88273E-12	2.90478E-12	1.15659E-12	5.94818E-13
8	2.36E-12	7.11E-12	4.12E-12	8.58E-13	2.07E-11	1.14E-12	2.27343E-11	5.09E-07	2.6761E-05	4.48E-05	1.95799E-12	3.0209E-12	1.20283E-12	6.18596E-13
9	2.48E-12	7.49E-12	4.34E-12	9.04E-13	2.18E-11	1.2E-12	2.39513E-11	5.363E-07	2.7054E-05	4.66E-05	2.0628E-12	3.1826E-12	1.26721E-12	6.51708E-13
10	2.63E-12	7.95E-12	4.6E-12	9.59E-13	2.32E-11	1.28E-12	2.54127E-11	5.69E-07	2.9774E-05	5.35E-05	2.18867E-12	3.3768E-12	1.34453E-12	6.91474E-13
11	2.78E-12	8.38E-12	4.85E-12	1.01E-12	2.44E-11	1.35E-12	2.67774E-11	5.995E-07	3.0357E-05	5.08E-05	2.3062E-12	3.55814E-12	1.41674E-12	7.28607E-13
12	2.88E-12	8.69E-12	5.03E-12	1.05E-12	2.53E-11	1.4E-12	2.77787E-11	6.22E-07	3.2636E-05	5.46E-05	2.39243E-12	3.69118E-12	1.46971E-12	7.55851E-13
13	2.93E-12	8.84E-12	5.12E-12	1.07E-12	2.58E-11	1.42E-12	2.82597E-11	6.327E-07	3.3579E-05	5.62E-05	2.43386E-12	3.75509E-12	1.49516E-12	7.68939E-13
14	2.91E-12	8.79E-12	5.09E-12	1.06E-12	2.56E-11	1.41E-12	2.80851E-11	6.288E-07	3.4002E-05	5.69E-05	2.41882E-12	3.7319E-12	1.48592E-12	7.64188E-13
15	2.84E-12	8.58E-12	4.97E-12	1.04E-12	2.5E-11	1.38E-12	2.74331E-11	6.142E-07	3.7547E-05	6.28E-05	2.36267E-12	3.64527E-12	1.45143E-12	7.46449E-13
16	2.77E-12	8.35E-12	4.84E-12	1.01E-12	2.43E-11	1.34E-12	2.66949E-11	5.977E-07	3.4026E-05	7.12E-05	2.29909E-12	3.54717E-12	1.41237E-12	7.26362E-13
17	2.68E-12	8.1E-12	4.69E-12	9.78E-13	2.36E-11	1.3E-12	2.58974E-11	5.798E-07	4.2432E-05	8.7E-05	2.23041E-12	3.4412E-12	1.37017E-12	7.04661E-13
18	2.6E-12	7.85E-12	4.54E-12	9.47E-13	2.29E-11	1.26E-12	2.50882E-11	5.617E-07	4.1742E-05	7.98E-05	2.16072E-12	3.33368E-12	1.32736E-12	6.82645E-13
19	2.51E-12	7.57E-12	4.38E-12	9.13E-13	2.21E-11	1.22E-12	2.41874E-11	5.416E-07	4.1383E-05	7.59E-05	2.08313E-12	3.21398E-12	1.2797E-12	6.58133E-13
20	2.46E-12	7.42E-12	4.3E-12	8.95E-13	2.16E-11	1.19E-12	2.37123E-11	5.309E-07	4.1856E-05	7.16E-05	2.04222E-12	3.15085E-12	1.25457E-12	6.45205E-13
21	2.47E-12	7.45E-12	4.31E-12	8.98E-13	2.17E-11	1.2E-12	2.37931E-11	5.327E-07	4.18E-05	8.94E-05	2.04917E-12	3.16158E-12	1.25884E-12	6.47404E-13
22	2.48E-12	7.49E-12	4.34E-12	9.04E-13	2.18E-11	1.2E-12	2.39316E-11	5.358E-07	4.3445E-05	9.32E-05	2.06111E-12	3.17999E-12	1.26617E-12	6.51174E-13
23	2.5E-12	7.55E-12	4.37E-12	9.11E-13	2.2E-11	1.21E-12	2.41182E-11	5.4E-07	4.5491E-05	8.69E-05	2.07718E-12	3.20479E-12	1.27604E-12	6.56251E-13
24	2.53E-12	7.63E-12	4.42E-12	9.21E-13	2.22E-11	1.23E-12	2.439E-11	5.461E-07	4.9061E-05	9.37E-05	2.10058E-12	3.2409E-12	1.29042E-12	6.63646E-13
25	2.57E-12	7.75E-12	4.49E-12	9.35E-13	2.26E-11	1.25E-12	2.47609E-11	5.544E-07	4.457E-05	8.24E-05	2.13253E-12	3.29019E-12	1.31005E-12	6.73739E-13
26	2.63E-12	7.93E-12	4.59E-12	9.57E-13	2.31E-11	1.28E-12	2.53468E-11	5.675E-07	4.7614E-05	7.96E-05	2.18299E-12	3.36804E-12	1.34105E-12	6.89681E-13
27	2.71E-12	8.19E-12	4.74E-12	9.88E-13	2.39E-11	1.32E-12	2.6169E-11	5.859E-07	4.4265E-05	7.4E-05	2.2538E-12	3.47729E-12	1.38454E-12	7.12052E-13

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854794521	0.000001	12	10	0.25	70	0.85
0<2	1090	1	0.854794521	0.000001	12	10	2	70	0.85
2<9	631	1	0.854794521	0.000001	12	3	0.75	70	0.72
Student	520	1	0.493150685	0.000001	12	3	3	70	1
Worker	230	1	0.684931507	0.000001	12	1	3	70	1

Arsenic

	Chronic (Annual)	Acute (1hr)	8hr
REL:	0.015	0.2	0.015

313	570950.6	4178279	0.55, 41782	1.54705	3.33468	380.89662	209.14004	63.48277	60.99964	1.01793E-07	1.38E-09	1.032E-07	2.506E-05	8.65E-08	2.515E-05	4.177E-06	2.62E-08	4.203E-06	3.18E-11	9.61E-11	5.56E-11	1.16E-11	2.8E-10	1.55E-11	3.07197E-10	6.878E-06	0.00012574	0.00028	2.64573E-11	4.08198E-11	1.62531E-11	8.35876E-12
314	571150.6	4178279	0.55, 41782	125.5821	15.27099	2183.625	235.47088	1020.3296	115.3363	8.26309E-06	6.31E-09	8.269E-06	0.0001437	9.74E-08	0.0001438	6.714E-05	4.22E-07	6.756E-05	2.55E-09	7.7E-09	4.46E-09	9.3E-10	2.25E-08	1.24E-09	2.46223E-08	0.0005513	0.00071888	0.004504	2.12059E-09	3.27177E-09	1.30271E-09	6.69968E-10
315	571190.6	4178279	0.55, 41782	19.14498	7.50998	704.1647	157.76938	186.41477	61.8786	1.25971E-06	3.11E-09	1.263E-06	4.633E-05	6.52E-08	4.64E-05	1.227E-05	7.71E-08	1.234E-05	3.9E-10	1.18E-09	6.81E-10	1.42E-10	3.43E-09	1.89E-10	3.76005E-09	8.419E-05	0.00023199	0.000823	3.23834E-10	4.99629E-10	1.98936E-10	1.0231E-10
316	571230.6	4178279	0.55, 41782	9.41744	4.44398	418.2482	120.63814	87.01567	39.51148	6.19652E-07	1.84E-09	6.215E-07	2.752E-05	4.99E-08	2.757E-05	5.725E-06	3.60E-08	5.761E-06	1.92E-10	5.79E-10	3.35E-10	6.99E-11	1.69E-09	9.31E-11	1.8505E-09	4.143E-05	0.00013785	0.000384	1.59374E-10	2.45891E-10	9.79058E-11	5.03516E-11
317	571270.6	4178279	0.55, 41782	5.33507	3.02277	265.61255	99.06709	58.88721	29.56115	3.51039E-07	1.25E-09	3.523E-07	1.748E-05	4.10E-08	1.752E-05	3.875E-06	2.43E-08	3.899E-06	1.09E-10	3.28E-10	1.9E-10	3.96E-11	9.57E-10	5.28E-11	1.04895E-09	2.349E-05	8.7589E-05	0.00026	9.03403E-11	1.39382E-10	5.54975E-11	2.85416E-11
318	571310.6	4178279	0.55, 41782	3.44949	2.20529	197.38222	83.78037	42.40574	23.44903	2.26971E-07	9.12E-10	2.279E-07	1.299E-05	3.46E-08	1.302E-05	2.79E-06	1.75E-08	2.808E-06	7.03E-11	2.12E-10	1.23E-10	2.56E-11	6.19E-10	3.41E-11	6.78525E-10	1.519E-05	6.511E-05	0.000187	5.84378E-11	9.01612E-11	3.58993E-11	1.84625E-11
319	571350.6	4178279	0.55, 41782	2.42474	1.67304	164.77993	74.08708	31.82391	19.20475	1.59544E-07	6.92E-10	1.602E-07	1.084E-05	3.06E-08	1.087E-05	2.094E-06	1.32E-08	2.107E-06	4.94E-11	1.49E-10	8.64E-11	1.8E-11	4.35E-10	2.4E-11	4.77105E-10	1.068E-05	5.4364E-05	0.00014	4.10906E-11	6.33969E-11	2.52426E-11	1.29819E-11
320	571390.6	4178279	0.55, 41782	1.80332	1.30805	139.62437	66.18564	24.75802	16.07748	1.18655E-07	5.41E-10	1.192E-07	9.187E-06	2.74E-08	9.214E-06	1.629E-06	1.02E-08	1.639E-06	3.68E-11	1.11E-10	6.43E-11	1.34E-11	3.24E-10	1.79E-11	3.54909E-10	7.946E-06	4.6072E-05	0.000109	3.05665E-11	4.71597E-11	1.87775E-11	9.657E-12
321	571430.6	4178279	0.55, 41782	1.38872	1.04688	120.07885	59.47148	19.78612	13.66223	9.13755E-08	4.33E-10	9.181E-08	7.901E-06	2.46E-08	7.926E-06	1.302E-06	8.18E-09	1.31E-06	2.83E-11	8.55E-11	4.95E-11	1.03E-11	2.49E-10	1.38E-11	2.73361E-10	6.121E-06	3.9628E-05	8.73E-05	2.35432E-11	3.63238E-11	1.4463E-11	7.43809E-12
322	571470.6	4178279	0.55, 41782	1.11171	0.86066	104.95004	53.66694	16.34545	11.81303	7.31487E-08	3.56E-10	7.35E-08	6.906E-06	2.22E-08	6.928E-06	1.076E-06	6.76E-09	1.082E-06	2.27E-11	6.85E-11	3.96E-11	8.26E-12	2E-10	1.1E-11	2.18861E-10	4.9E-06	3.4639E-05	7.22E-05	1.88494E-11	2.90819E-11	1.15795E-11	5.95516E-12
323	571510.6	4178279	0.55, 41782	0.90331	0.71725	92.95227	48.50847	13.70064	10.27697	5.94363E-08	2.97E-10	5.973E-08	6.116E-06	2.01E-08	6.136E-06	9.015E-07	5.66E-09	9.071E-07	1.84E-11	5.57E-11	3.22E-11	6.71E-12	1.62E-10	8.95E-12	1.77856E-10	3.982E-06	3.0681E-05	6.05E-05	1.53178E-11	2.36332E-11	9.40997E-12	4.83941E-12
324	571550.6	4178279	0.55, 41782	0.74685	0.60641	83.35854	43.88956	11.6678	9.00306	4.91415E-08	2.51E-10	4.939E-08	5.485E-06	1.81E-08	5.503E-06	7.677E-07	4.82E-09	7.725E-07	1.52E-11	4.6E-11	2.66E-11	5.55E-12	1.34E-10	7.4E-12	1.47066E-10	3.293E-06	2.7515E-05	5.15E-05	1.26661E-11	1.95419E-11	7.78097E-12	4.00164E-12
325	571590.6	4178279	0.55, 41782	0.63093	0.52161	75.57295	41.1264	10.11638	7.96472	4.15141E-08	2.16E-10	4.173E-08	4.973E-06	1.70E-08	4.99E-06	6.656E-07	4.18E-09	6.698E-07	1.29E-11	3.89E-11	2.25E-11	4.69E-12	1.13E-10	6.25E-12	1.24251E-10	2.782E-06	2.4948E-05	4.47E-05	1.07011E-11	1.65103E-11	6.57387E-12	3.38085E-12
326	570310.6	4178319	0.55, 41783	0.1112	0.07908	65.67409	25.12162	10.72274	3.92383	7.31677E-09	3.27E-11	7.349E-09	4.321E-06	1.04E-08	4.332E-06	7.055E-07	4.43E-09	7.1E-07	2.27E-12	6.85E-12	3.96E-12	8.26E-13	2E-11	1.1E-12	2.18832E-11	4.9E-07	2.1658E-05	4.73E-05	1.88469E-12	2.9078E-12	1.15779E-12	5.95437E-13
327	570350.6	4178319	0.55, 41783	0.12381	0.08915	72.99363	26.3644	10.96785	4.13077	8.14649E-09	3.69E-11	8.183E-09	4.803E-06	1.09E-08	4.814E-06	7.217E-07	4.53E-09	7.262E-07	2.53E-12	7.62E-12	4.41E-12	9.2E-13	2.22E-11	1.23E-12	2.43661E-11	5.456E-07	2.4069E-05	4.84E-05	2.09853E-12	3.23772E-12	1.28916E-12	6.62996E-13
328	570390.6	4178319	0.55, 41783	0.13907	0.1015	85.61577	27.73961	11.84211	4.3586	9.15057E-09	4.20E-11	9.193E-09	5.633E-06	1.15E-08	5.645E-06	7.792E-07	4.90E-09	7.841E-07	2.84E-12	8.56E-12	4.96E-12	1.03E-12	2.5E-11	1.38E-12	2.7371E-11	6.128E-07	2.8224E-05	5.23E-05	2.35732E-12	3.63701E-12	1.44814E-12	7.44758E-13
329	570430.6	4178319	0.55, 41783	0.15783	0.11689	97.99246	29.27563	13.47747	4.61214	1.03849E-08	4.83E-11	1.043E-08	6.448E-06	1.21E-08	6.46E-06	8.868E-07	5.57E-09	8.924E-07	3.22E-12	9.72E-12	5.63E-12	1.17E-12	2.83E-11	1.56E-12	3.10653E-11	6.956E-07	3.2299E-05	5.95E-05	2.67549E-12	4.1279E-12	1.6436E-12	8.4528E-13
330	570470.6	4178319	0.55, 41783	0.18134	0.13633	108.90086	31.01454	14.92794	4.89871	1.19319E-08	5.64E-11	1.199E-08	7.165E-06	1.28E-08	7.178E-06	9.822E-07	6.17E-09	9.884E-07	3.7E-12	1.12E-11	6.47E-12	1.35E-12	3.26E-11	1.8E-12	3.56952E-11	7.992E-07	3.5892E-05	6.59E-05	3.07424E-12	4.74312E-12	1.88856E-12	9.71258E-13
331	570510.6	4178319	0.55, 41783	0.21129	0.16124	118.40452	33.29424	15.9306	5.40834	1.39025E-08	6.67E-11	1.397E-08	7.791E-06	1.38E-08	7.805E-06	1.048E-06	6.59E-09	1.055E-06	4.31E-12	1.3E-11	7.53E-12	1.57E-12	3.79E-11	2.09E-12	4.15936E-11	9.313E-07	3.9023E-05	7.03E-05	3.58224E-12	5.52688E-12	2.20063E-12	1.13175E-12
332	570550.6	4178319	0.55, 41783	0.2503	0.19368	153.9338	39.94632	19.24172	6.62991	1.64693E-08	8.01E-11	1.655E-08	1.013E-05	1.65E-08	1.015E-05	1.266E-06	7.96E-09	1.274E-06	5.11E-12	1.54E-11	8.93E-12	1.86E-12	4.49E-11	2.48E-12	4.92762E-11	1.103E-06	5.0726E-05	8.49E-05	4.2439E-12	6.54773E-12	2.6071E-12	1.34079E-12
333	570590.6	4178319	0.55, 41783	0.30196	0.23671	186.54438	46.61587	23.31805	7.76931	1.98685E-08	9.79E-11	1.997E-08	1.227E-05	1.93E-08	1.229E-05	1.534E-06	9.64E-09	1.544E-06	6.16E-12	1.86E-11	1.08E-11	2.24E-12	5.42E-11	2.99E-12	5.94502E-11	1.331E-06	6.1468E-05	0.000103	5.12013E-12	7.89964E-12	3.14538E-12	1.61762E-12
334	570630.6	4178319	0.55, 41783	0.37105	0.29503	205.0145	52.79857	25.62681	8.79976	2.44145E-08	1.22E-10	2.454E-08	1.349E-05	2.18E-08	1.351E-05	1.686E-06	1.06E-08	1.697E-06	7.57E-12	2.29E-11	1.32E-11	2.76E-12	6.66E-11	3.68E-12	7.30578E-11	1.636E-06	6.7557E-05	0.000113	6.29209E-12	9.70779E-12	3.86533E-12	1.98789E-12
335	570670.6	4178319	0.55, 41783	0.462	0.37572	218.45656	59.57781	27.30707	11.98561	3.03988E-08	1.55E-10	3.055E-08	1.437E-05	2.46E-08	1.44E-05	1.797E-06	1.13E-08	1.808E-06	9.43E-12	2.85E-11	1.65E-11	3.43E-12	8.3E-11	4.58E-12	9.09757E-11	2.037E-06	7.1994E-05	0.000121	7.83526E-12	1.20887E-11	4.81333E-12	2.47543E-12
336	570710.6	4178319	0.55, 41783	0.57218	0.48827	242.44958	66.62286	30.3062	15.15553	3.76485E-08	2.02E-10	3.785E-08	1.595E-05	2.75E-08	1.598E-05	1.994E-06	1.25E-08	2.007E-06	1.17E-11	3.53E-11	2.04E-11	4.25E-12	1.03E-10	5.67E-12	1.127E-10	2.523E-06	7.9902E-05	0.000134	9.70629E-12	1.49754E-11	5.96273E-12	3.06655E-12
337	570750.6	4178319	0.55, 41783	0.67767	0.63416	262.41203	72.71034	32.8015	17.84948	4.45896E-08	2.62E-10	4.485E-08	1.727E-05	3.01E-08	1.73E-05	2.158E-06	1.36E-08	2.172E-06	1.38E-11	4.18E-11	2.42E-11	5.04E-12	1.22E-10	6.72E-12	1.33547E-10	2.99E-06	8.6482E-05	0.000145	1.15017E-11	1.77455E-11	7.06569E-12	3.63378E-12
338	570790.6	4178319	0.55, 41783	0.76041	0.85502	285.66779	86.45349	42.9347	23.67926	5.00337E-08	3.54E-10	5.039E-08	1.88E-05	3.57E-08	1.883E-05	2.825E-06	1.78E-08	2.843E-06	1.55E-11	4.69E-11	2.72E-11	5.66E-12	1.37E-10	7.55E-12	1.50029E-10	3.359E-06	9.4161E-05	0.00019	1.29212E-11	1.99356E-11	7.93771E-12	4.08225E-12
339	570830.6	4178319	0.55, 41783	0.82107	1.23378	302.59427	109.05103	45.07728	29.79255	5.4025E-08	5.10E-10	5.454E-08	1.991E-05	4.51E-08	1.996E-05	2.966E-06	1.86E-08	2.985E-06	1.68E-11	5.08E-11	2.94E-11	6.13E-12	1.48E-10	8.17E-12	1.6238E-10	3.636E-06	9.9776E-05	0.000199	1.39849E-11	2.15767E-11	8.59116E-12	4.41831E-12
340	570870.6	4178319	0.55, 41783	0.93174	1.8881	263.71888	150.69846	37.23183	42.82711	6.13069E-08	7.81E-10	6.209E-08	1.735E-05	6.23E-08	1.741E-05	2.45E-06	1.54E-08	2.465E-06	1.92E-11	5.78E-11	3.35E-11	6.98E-12	1.69E-10	9.3E-12	1.84867E-10	4.139E-06	8.7073E-05	0.000164	1.59216E-11	2.45648E-11	9.78093E-12	5.03019E-12
341	570910.6	4178319	0.55, 41783	1.19482	3.5981	225.26352	195.84246	37.31993	59.22953	7.86172E-08	1.49E-09	8.01E-08	1.482E-05	8.10E-08	1.49E-05	2.456E-06	1.54E-08	2.471E-06	2.47E-11	7.46E-11	4.32E-11	9E-12	2.18E-10	1.2E-11	2.38514E-10	5.34E-06	7.4515E-05	0.000165	2.0542E-11	3.16933E-11	1.26193E-11	6.48991E-12
342	571190.6	4178319	0.55, 41783	29.13102	9.74239	1204.46355	192.40018	337.10397	86.14095	1.91677E-06	4.03E-09	1.921E-06	7.925E-05	7.96E-08	7.933E-05	2.218E-05	1.39E-07	2.232E-05	5.93E-10	1.79E-09	1.04E-09	2.16E-10	5.22E-09	2.88E-10	5.71922E-09	0.0001281	0.00039666	0.001488	4.92567E-10	7.5996E-10	3.02592E-10	1.55619E-10
343	571230.6	4178319	0.55, 41783	10.45163	5.25398	479.33008	117.37647	126.19986	44.06446	6.877E-07	2.17E-09	6.899E-07	3.154E-05	4.85E-08	3.159E-05	8.304E-06	5.22E-08	8.356E-06	2.13E-10	6.43E-10	3.72E-10	7.75E-11	1.87E-09	1.03E-10	2.05411E-09	4.599E-05	0.00015794	0.000557	1.7691E-10	2.72946E-10	1.08678E-10	5.58918E-11
344	571270.6	4178319	0.55, 41783	5.72808	3.4301	292.22118	96.9874	63.79547	33.00222	3.76898E-07	1.42E-09	3.783E-07	1.923E-05	4.01E-08	1.927E-05	4.198E-06	2.64E-08	4.224E-06	1.17E-10	3.52E-10	2.04E-10	4.25E-11	1.03E-09	5.67E-11	1.12644E-09	2.522E-05	9.6339E-05	0.000282	9.70148E-11	1.4968E-10	5.95978E-11	3.06503E-11
345	571310.6	4178319	0.55, 41783	3.67711	2.43151	175.48484	83.52768	43.52526	25.92364	2.41948E-07	1.01E-09	2.43E-07	1.155E-05	3.45E-08	1.158E-05	2.864E-06	1.80E-08	2.882E-06	7.5E-11	2.26E-10	1.31E-10	2.73E-11	6.6E-10	3.64E-11	7.23397E-10	1.62E-05	5.7906E-05	0.000192	6.23025E-11	9.61238E-11	3.82734E-11	1.96835E-11
346	571350.6	4178319	0.55, 41783	2.57847	1.81872	135.74456	73.58424	31.86463	21.08438	1.69659E-07	7.52E-10	1.704E-07	8.932E-06	3.04E-08	8.962E-06	2.097E-06	1.32E-08	2.11E-06	5.26E-11	1.59E-10	9.19E-11	1.92E-11	4.63E-10	2.55E-11	5.07402E-10	1.136E-05	4.4811E-05	0.000141	4.36999E-11	6.74227E-11	2.68456E-11	1.38063E-11
347	571390.6	4178319	0.55, 41783	1.91038	1.41202	114.67965	65.84745	24.95277	17.54375	1.257E-07	5.84E-10	1.263E-07	7.546E-06	2.72E-08	7.573E-06	1.642E-06	1.03E-08	1.652E-06	3.9E-11	1.18E-10	6.81E-11	1.42E-11	3.43E-10	1.89E-11	3.76012E-10	8.419E-06	3.7865E-05	0.00011	3.2384E-11	4.99638E-11	1.9894E-11	1.02312E-11
348	571430.6	4178319	0.55, 41783	1.47151	1.12853	100.57811	59.61061	20.18585	14.84739	9.68229E-08	4.67E-10	9.729E-08	6.618E-06	2.46E-08	6.643E-06	1.328E-06	8.35E-09	1.337E-06	3E-11	9.06E-11	5.25E-11	1.09E-11	2.64E-10	1.46E-11	2.89681E-10	6.486E-06	3.3213E-05	8.91E-05	2.49488E-11	3.84924E-11	1.53264E-11	7.88216E-12
349	571470.6	4178319	0.55, 41783	1.16585	0.92218	90.09229	54.43044	16.69193	12.71837	7.6711E-08	3.81E-10	7.709E-08	5.928E-06	2.25E-08	5.95E-06	1.098E-06	6.90E-09	1.105E-06	2.38E-11	7.18E-11	4.16E-11	8.67E-12	2.09E-10	1.15E-11	2.29544E-10	5.139E-06	2.9752E-05	7.37E-05	1.97694E-11	3.05014E-11	1.21447E-11	6.24583E-12
350	571510.6	4178319	0.55, 41783	0.94595	0.76805	81.52103	50.05282	14.06823	11.00608	6.22419E-08	3.18E-10	6.256E-08	5.364E-06	2.07E-08	5.385E-06	9.257E-07	5.82E-09	9.315E-07	1.93E-11	5.83E-11	3.37E-11	7.03E-12	1.7E-10	9.37E-12	1.86272E-10	4.171E-06	2.6923E-05	6.21E-05	1.60427E-11	2.47515E-11	9.85526E-12	5.06842E-12
351	571550.6	4178319	0.55, 41783	0.78212	0.64956	74.38547	46.28731	12.02264	9.59923	5.14622E-08	2.69E-10	5.173E-08	4.894E-06	1.91E-08	4.914E-06	7.911E-07	4.97E-09	7.96E-07	1.6E-11	4.82E-11	2.79E-11	5.82E-12	1.4E-10	7.75E-12	1.54029E-10	3.449E-06	2.4568E-05	5.31E-05	1.32658E-11	2.04672E-11	8.14937E-12	4.1911E-12
352	571590.6	4178319	0.55, 41783	0.65442	0.55508	68.29245	42.98116	10.3334	8.40789	4.30597E-08	2.30E-10	4.329E-08	4.494E-06	1.78E-08	4.511E-06	6.799E-07	4.27E-09	6.842E-07	1.34E-11	4.03E-11	2.33E-11	4.87E-12	1.18E-10	6.48E-12	1.28895E-10	2.886E-06	2.2557E-05	4.56E-05	1.1101E-11	1.71273E-11	6.81954E-12	3.50719E-12
353	570310.6	4178359	0.55, 41783	0.11229	0.07993	69.29068	26.58817	11.54845	4.0095	7.38849E-09	3.30E-11	7.422E-09	4.559E-06	1.10E-08	4.57E-06	7.599E-07	4.77E-09	7.646E-07	2.29E-12	6.91E-12	4E-12	8.34E-13	2.02E-11	1.11E-12	2.20978E-11	4.948E-07	2.2851E-05	5.1E-05	1.90317E-12	2.93632E-12	1.16915E-12	6.01276E-13
354	570350.6	4178359	0.55, 41783	0.12531	0.09043	75.30937	28.06345	12.55156	4.25756	8.24519E-09	3.74E-11	8.283E-09	4.955E-06	1.16E-08	4.967E-06	8.259E-07	5.19E-09	8.311E-07	2.56E-12	7.72E-12	4.47E-12	9.31E-13	2.25E-11	1.24E-12	2.46615E-11	5.522E-07	2.4834E-05	5.54E-05	2.12397E-12	3.27698E-12	1.30479E-12	6.71035E-13
355	570390.6	4178359	0.55, 41783	0.14084	0.10296	81.29058	29.71471	13.54843	4.53386	9.26704E-09	4.26E-11	9.31E-09	5.349E-06	1.23E-08	5.361E-06	8.915E-07	5.60E-09	8.971E-07	2.87E-12	8.67E-12	5.02E-12	1.05E-12	2.53E-11	1.39E-12	2.77195E-11	6.206E-07	2.6805E-05	5.98E-05	2.38734E-12	3.68333E-12	1.46658E-12	7.54242E-13
356	570430.6	4178359	0.55, 41783	0.15989	0.11858	87.11605	31.54887	14.51934	4.83992	1.05205E-08	4.90E-11	1.057E-08	5.732E-06	1.30E-08	5.745E-06	9.553E-07	6.00E-09	9.614E-07	3.26E-12	9.85E-12	5.7E-12	1.19E-12	2.87E-11	1.58E-12	3.1471E-11	7.046E-07	2.8726E-05	6.41E-05	2.71043E-12	4.18181E-12	1.66506E-12	8.56318E-13
357	570470.6	4178359	0.55, 41783	0.18374	0.13844	97.3598	33.59814	15.36354	5.1813	1.20898E-08	5.72E-11	1.215E-08	6.406E-06	1.39E-08	6.42E-06	1.011E-06	6.35E-09	1.017E-06	3.75E-12	1.13E-11	6.55E-12	1.37E-12	3.3E-11	1.82E-12	3.6168E-11	8.098E-07	3.21E-05	6.78E-05	3.11496E-12	4.80594E-12	1.91357E-12	9.84123E-13
358	570510.6	4178359	0.55, 41783	0.21432	0.16421	118.04415	35.93263	16.48105	5.5698	1.41019E-08	6.79E-11	1.417E-08	7.767E-06	1.49E-08	7.782E-06	1.084E-06	6.81E-09	1.091E-06	4.37E-12	1.32E-11	7.64E-12	1.59E-12	3.85E-11	2.12E-12	4.21908E-11	9.447E-07	3.891E-05	7.27E-05	3.63368E-12	5.60625E-12	2.23223E-12	1.148E-12
359	570550.6	4178359	0.55, 41783	0.25472	0.19842	139.50155	38.63371	19.4148	6.01971	1.67601E-08	8.20E-11	1.684E-08	9.179E-06	1.60E-08	9.195E-06	1.277E-06	8.03E-09	1.285E-06	5.2E-12	1.57E-11	9.08E-12	1.89E-12	4.57E-11	2.52E-12	5.0148E-11	1.123E-06	4.5975E-05	8.57E-05	4.31898E-12	6.66358E-12	2.65322E-12	1.36451E-12
360	570590.6	4178359	0.55, 41783	0.30979	0.24497	159.83108	41.83842	22.23989	6.84975	2.03837E-08	1.01E-10	2.048E-08	1.052E-05	1.73E-08	1.053E-05	1.463E-06	9.20E-09	1.473E-06	6.32E-12	1.91E-11	1.1E-11	2.3E-12	5.56E-11	3.07E-12	6.09943E-11	1.366E-06	5.267E-05	9.82E-05	5.25313E-12	8.10483E-12	3.22708E-12	1.65964E-12
361	570630.6	4178359	0.55, 41783	0.38734	0.31015	206.43147	51.05257	25.80393	8.50876	2.54863E-08	1.28E-10	2.561E-08	1.358E-05	2.11E-08	1.36E-05	1.698E-06	1.07E-08	1.709E-06	7.9E-12	2.39E-11	1.38E-11	2.88E-12	6.96E-11	3.84E-12	7.62679E-11	1.708E-06	6.802E-05	0.000114	6.56856E-12	1.01343E-11	4.03517E-12	2.07523E-12
362	570670.6	4178359	0.55, 41783	0.50063	0.40488	262.98595	60.70684	32.87324	10.74505	3.29406E-08	1.67E-10	3.311E-08	1.73E-05	2.51E-08	1.733E-05	2.163E-06	1.36E-08	2.177E-06	1.02E-11	3.08E-11	1.79E-11	3.72E-12	8.99E-11	4.96E-12	9.85798E-11	2.207E-06	8.6646E-05	0.000145	8.49017E-12	1.30991E-11	5.21565E-12	2.68233E-12
363	570710.6	4178359	0.55, 41783	0.66972	0.54814	304.17814	72.14807	38.02227	15.71205	4.40665E-08	2.27E-10	4.429E-08	2.001E-05	2.98E-08	2.004E-05	2.502E-06	1.57E-08	2.518E-06	1.37E-11	4.13E-11	2.39E-11	4.98E-12	1.2E-10	6.63E-12	1.31884E-10	2.953E-06	0.00010022	0.000168	1.13584E-11	1.75245E-11	6.97768E-12	3.58852E-12
364	570750.6	4178359	0.55, 41783	0.90523	0.76876	339.35657	85.82023	44.72327	21.31802	5.95626E-08	3.18E-10	5.988E-08	2.233E-05	3.55E-08	2.236E-05	2.943E-06	1.85E-08	2.961E-06	1.85E-11	5.58E-11	3.23E-11	6.73E-12	1.63E-10	8.97E-12	1.78295E-10	3.992E-06	0.00011182	0.000197	1.53557E-11	2.36916E-11	9.43323E-12	4.85137E-12
365	570790.6	4178359	0.55, 41783	1.13154	1.06104	377.53193	96.31599	54.94081	27.90141	7.44534E-08	4.39E-10	7.489E-08	2.484E-05	3.98E-08	2.488E-05	3.615E-06	2.27E-08	3.638E-06	2.31E-11	6.98E-11	4.04E-11	8.42E-12	2.03E-10	1.12E-11	2.22993E-10	4.993E-06	0.0001244	0.000243	1.92052E-11	2.96309E-11	1.17981E-11	6.06758E-12
366	570830.6	4178359	0.55, 41783	1.33226	1.74963	411.58415	139.14147	69.46909	37.35577	8.76605E-08	7.23E-10	8.838E-08	2.708E-05	5.75E-08	2.714E-05	4.571E-06	2.87E-08	4.6E-06	2.73E-11	8.23E-11	4.77E-11	9.94E-12	2.4E-10	1.32E-11	2.63165E-10	5.892E-06	0.0001357	0.000307	2.2665E-11	3.49689E-11	1.39235E-11	7.16065E-12
367	570870.6	4178359	0.55, 41783	1.45984	3.38436	346.78431	184.49712	52.43952	61.49528	9.6055E-08	1.40E-09	9.745E-08	2.282E-05	7.63E-08	2.289E-05	3.45E-06	2.17E-08	3.472E-06	3.01E-11	9.08E-11	5.26E-11	1.1E-11	2.65E-10	1.46E-11	2.90172E-10	6.497E-06	0.00011447	0.000231	2.4991E-11	3.85576E-11	1.53524E-11	7.89552E-12
368	571150.6	4178359	0.55, 41783	17.36196	17.82412	1537.79423	258.8776	350.34789	128.93656	1.14239E-06	7.37E-09	1.15E-06	0.0001012	1.07E-07	0.0001013	2.305E-05	1.45E-07	2.32E-05	3.55E-10	1.07E-09	6.2E-10	1.29E-10	3.12E-09	1.72E-10	3.42343E-09	7.665E-05	0.00050646	0.001546	2.94842E-10	4.54899E-10	1.81126E-10	9.31506E-11
369	571190.6	4178359	0.55, 41783	10.35157	8.16971	590.93034	162.31709	161.82999	76.08872	6.81116E-07	3.38E-09	6.845E-07	3.888E-05	6.71E-08	3.895E-05	1.065E-05	6.69E-08	1.072E-05	2.11E-10	6.38E-10	3.69E-10	7.69E-11	1.86E-09	1.03E-10	2.03809E-09	4.563E-05	0.00019475	0.000714	1.75531E-10	2.70818E-10	1.07831E-10	5.54561E-11
370	571230.6	4178359	0.55, 41783	6.41954	4.85697	429.96716	118.18476	103.83364	47.29307	4.22395E-07	2.01E-09	4.244E-07	2.829E-05	4.89E-08	2.834E-05	6.832E-06	4.29E-08	6.875E-06	1.31E-10	3.95E-10	2.29E-10	4.77E-11	1.15E-09	6.36E-11	1.26367E-09	2.829E-05	0.0001417	0.000458	1.08833E-10	1.67914E-10	6.6858E-11	3.43841E-11
371	571270.6	4178359	0.55, 41783	4.24607	3.28764	330.34534	97.41521	71.25122	30.79427	2.79384E-07	1.36E-09	2.807E-07	2.174E-05	4.03E-08	2.178E-05	4.688E-06	2.95E-08	4.718E-06	8.66E-11	2.62E-10	1.51E-10	3.16E-11	7.62E-10	4.21E-11	8.3592E-10	1.872E-05	0.00010888	0.000315	7.19934E-11	1.11076E-10	4.42267E-11	2.27452E-11
372	571310.6	4178359	0.55, 41783	3.01802	2.39332	280.32399	84.30249	47.38187	23.6076	1.98581E-07	9.90E-10	1.996E-07	1.844E-05	3.49E-08	1.848E-05	3.118E-06	1.96E-08	3.137E-06	6.16E-11	1.86E-10	1.08E-10	2.24E-11	5.42E-10	2.99E-11	5.94224E-10	1.33E-05	9.2399E-05	0.000209	5.11775E-11	7.89595E-11	3.14391E-11	1.61687E-11
373	571350.6	4178359	0.55, 41783	2.25439	1.82521	223.1696	75.03337	32.74083	19.24184	1.48335E-07	7.55E-10	1.491E-07	1.468E-05	3.10E-08	1.472E-05	2.154E-06	1.35E-08	2.168E-06	4.6E-11	1.39E-10	8.04E-11	1.68E-11	4.05E-10	2.23E-11	4.43918E-10	9.939E-06	7.3576E-05	0.000145	3.82323E-11	5.8987E-11	2.34867E-11	1.20789E-11
374	571390.6	4178359	0.55, 41783	1.7395	1.43625	164.0034	68.00709	25.39154	16.17569	1.14456E-07	5.94E-10	1.151E-07	1.079E-05	2.81E-08	1.082E-05	1.671E-06	1.05E-08	1.681E-06	3.55E-11	1.07E-10	6.21E-11	1.29E-11	3.12E-10	1.72E-11	3.42564E-10	7.67E-06	5.4096E-05	0.000112	2.95032E-11	4.55193E-11	1.81243E-11	9.32108E-12
375	571430.6	4178359	0.55, 41783	1.37666	1.15767	113.66708	62.41604	21.33563	13.79366	9.05819E-08	4.79E-10	9.106E-08	7.479E-06	2.58E-08	7.505E-06	1.404E-06	8.82E-09	1.413E-06	2.81E-11	8.48E-11	4.91E-11	1.02E-11	2.47E-10	1.36E-11	2.71135E-10	6.071E-06	3.7525E-05	9.42E-05	2.33514E-11	3.60279E-11	1.43452E-11	7.37751E-12
376	571470.6	4178359	0.55, 41783	1.11313	0.95193	91.64258	57.80687	17.74486	11.89568	7.32421E-08	3.94E-10	7.364E-08	6.03E-06	2.39E-08	6.054E-06	1.168E-06	7.34E-09	1.175E-06	2.27E-11	6.86E-11	3.97E-11	8.28E-12	2E-10	1.1E-11	2.19252E-10	4.909E-06	3.0269E-05	7.83E-05	1.8883E-11	2.91338E-11	1.16001E-11	5.96579E-12
377	571510.6	4178359	0.55, 41783	0.9166	0.79605	82.11168	53.90312	14.64829	10.35284	6.03107E-08	3.29E-10	6.064E-08	5.403E-06	2.23E-08	5.425E-06	9.638E-07	6.06E-09	9.699E-07	1.87E-11	5.65E-11	3.27E-11	6.82E-12	1.65E-10	9.08E-12	1.80556E-10	4.043E-06	2.7125E-05	6.47E-05	1.55504E-11	2.3992E-11	9.55286E-12	4.9129E-12
378	571550.6	4178359	0.55, 41783	0.76622	0.67498	72.9064	50.52239	12.13868	9.07968	5.0416E-08	2.79E-10	5.07E-08	4.797E-06	2.09E-08	4.818E-06	7.987E-07	5.02E-09	8.037E-07	1.56E-11	4.72E-11	2.73E-11	5.7E-12	1.38E-10	7.59E-12	1.50946E-10	3.38E-06	2.409E-05	5.36E-05	1.30002E-11	2.00574E-11	7.98621E-12	4.10719E-12
379	571590.6	4178359	0.55, 41783	0.64386	0.57575	65.94968	47.48497	10.99161	8.00686	4.23649E-08	2.38E-10	4.26E-08	4.339E-06	1.96E-08	4.359E-06	7.232E-07	4.54E-09	7.278E-07	1.31E-11	3.97E-11	2.3E-11	4.79E-12	1.16E-10	6.38E-12	1.26851E-10	2.84E-06	2.1795E-05	4.85E-05	1.0925E-11	1.68558E-11	6.71143E-12	3.45159E-12
380	570310.6	4178399	0.55, 41783	0.11287	0.08031	71.34246	27.87564	11.89041	3.82503	7.42666E-09	3.32E-11	7.46E-09	4.694E-06	1.15E-08	4.706E-06	7.824E-07	4.92E-09	7.873E-07	2.3E-12	6.95E-12	4.02E-12	8.39E-13	2.03E-11	1.12E-12	2.22119E-11	4.973E-07	2.3529E-05	5.25E-05	1.913E-12	2.95148E-12	1.17518E-12	6.0438E-13
381	570350.6	4178399	0.55, 41783	0.12665	0.09175	75.96419	29.57043	12.46202	4.12173	8.33336E-09	3.79E-11	8.371E-09	4.998E-06	1.22E-08	5.011E-06	8.2E-07	5.15E-09	8.251E-07	2.58E-12	7.8E-12	4.52E-12	9.41E-13	2.27E-11	1.25E-12	2.49257E-11	5.581E-07	2.5053E-05	5.5E-05	2.14672E-12	3.31208E-12	1.31877E-12	6.78222E-13
382	570390.6	4178399	0.55, 41783	0.1425	0.10434	83.29233	31.439	13.04897	4.44958	9.37626E-09	4.31E-11	9.419E-09	5.48E-06	1.30E-08	5.493E-06	8.586E-07	5.40E-09	8.64E-07	2.91E-12	8.78E-12	5.08E-12	1.06E-12	2.56E-11	1.41E-12	2.80465E-11	6.28E-07	2.7467E-05	5.76E-05	2.4155E-12	3.72677E-12	1.48388E-12	7.63138E-13
383	570430.6	4178399	0.55, 41783	0.16211	0.12032	91.32735	33.521	14.59534	4.81492	1.06666E-08	4.97E-11	1.072E-08	6.009E-06	1.39E-08	6.023E-06	9.603E-07	6.03E-09	9.664E-07	3.31E-12	9.98E-12	5.78E-12	1.2E-12	2.91E-11	1.61E-12	3.1908E-11	7.144E-07	3.0115E-05	6.44E-05	2.74807E-12	4.23989E-12	1.68819E-12	8.6821E-13
384	570470.6	4178399	0.55, 41783	0.18668	0.14051	100.43451	35.89015	16.57018	5.22899	1.22832E-08	5.81E-11	1.234E-08	6.608E-06	1.48E-08	6.623E-06	1.09E-06	6.85E-09	1.097E-06	3.81E-12	1.15E-11	6.66E-12	1.39E-12	3.35E-11	1.85E-12	3.67465E-11	8.228E-07	3.3116E-05	7.31E-05	3.16479E-12	4.88282E-12	1.94418E-12	9.99865E-13
385	570510.6	4178399	0.55, 41783	0.21834	0.16684	112.76596	38.62084	18.79433	5.70408	1.43664E-08	6.90E-11	1.444E-08	7.42E-06	1.60E-08	7.436E-06	1.237E-06	7.77E-09	1.244E-06	4.45E-12	1.34E-11	7.79E-12	1.62E-12	3.92E-11	2.16E-12	4.29817E-11	9.624E-07	3.7179E-05	8.3E-05	3.70179E-12	5.71133E-12	2.27407E-12	1.16952E-12
386	570550.6	4178399	0.55, 41783	0.26039	0.20212	127.75395	41.82578	21.29232	6.25899	1.71332E-08	8.36E-11	1.722E-08	8.406E-06	1.73E-08	8.423E-06	1.401E-06	8.80E-09	1.41E-06	5.31E-12	1.6E-11	9.29E-12	1.94E-12	4.67E-11	2.58E-12	5.12634E-11	1.148E-06	4.2116E-05	9.4E-05	4.41505E-12	6.81179E-12	2.71224E-12	1.39486E-12
387	570590.6	4178399	0.55, 41783	0.3185	0.25095	144.10526	45.67081	24.01754	7.17597	2.09568E-08	1.04E-10	2.106E-08	9.482E-06	1.89E-08	9.501E-06	1.58E-06	9.93E-09	1.59E-06	6.5E-12	1.96E-11	1.14E-11	2.37E-12	5.72E-11	3.15E-12	6.27081E-11	1.404E-06	4.7504E-05	0.000106	5.40073E-12	8.33255E-12	3.31775E-12	1.70627E-12
388	570630.6	4178399	0.55, 41783	0.40291	0.32135	177.65061	50.39519	27.05917	8.74903	2.65108E-08	1.33E-10	2.664E-08	1.169E-05	2.08E-08	1.171E-05	1.78E-06	1.12E-08	1.792E-06	8.22E-12	2.48E-11	1.44E-11	3E-12	7.23E-11	3.99E-12	7.93321E-11	1.776E-06	5.855E-05	0.000119	6.83246E-12	1.05415E-11	4.19729E-12	2.15861E-12
389	570670.6	4178399	0.55, 41783	0.53348	0.4284	224.79663	56.41372	32.60934	10.76331	3.51021E-08	1.77E-10	3.528E-08	1.479E-05	2.33E-08	1.481E-05	2.146E-06	1.35E-08	2.159E-06	1.09E-11	3.29E-11	1.9E-11	3.97E-12	9.58E-11	5.28E-12	1.05045E-10	2.352E-06	7.4073E-05	0.000144	9.04695E-12	1.39581E-11	5.55769E-12	2.85824E-12
390	570710.6	4178399	0.55, 41783	0.75271	0.60288	297.96202	70.92072	41.13122	14.0152	4.95271E-08	2.49E-10	4.978E-08	1.961E-05	2.93E-08	1.963E-05	2.706E-06	1.70E-08	2.723E-06	1.54E-11	4.64E-11	2.68E-11	5.6E-12	1.35E-10	7.46E-12	1.4821E-10	3.318E-06	9.8174E-05	0.000182	1.27646E-11	1.96939E-11	7.84148E-12	4.03276E-12
391	570750.6	4178399	0.55, 41783	1.15447	0.90762	416.42427	90.04322	52.05303	22.1169	7.59622E-08	3.75E-10	7.634E-08	2.74E-05	3.72E-08	2.744E-05	3.425E-06	2.15E-08	3.447E-06	2.36E-11	7.11E-11	4.12E-11	8.58E-12	2.07E-10	1.14E-11	2.27296E-10	5.089E-06	0.00013719	0.00023	1.95759E-11	3.02027E-11	1.20258E-11	6.18468E-12
392	570790.6	4178399	0.55, 41783	1.70092	1.35462	632.44551	121.09647	79.05569	31.00919	1.11918E-07	5.60E-10	1.125E-07	4.161E-05	5.01E-08	4.166E-05	5.202E-06	3.27E-08	5.234E-06	3.47E-11	1.05E-10	6.07E-11	1.26E-11	3.05E-10	1.68E-11	3.34905E-10	7.499E-06	0.00020832	0.000349	2.88436E-11	4.45016E-11	1.77191E-11	9.11268E-12
393	570830.6	4178399	0.55, 41783	3.46088	2.976	854.46592	185.76652	157.19416	64.23703	2.2772E-07	1.23E-09	2.29E-07	5.622E-05	7.68E-08	5.63E-05	1.034E-05	6.50E-08	1.041E-05	7.06E-11	2.13E-10	1.23E-10	2.57E-11	6.22E-10	3.43E-11	6.81705E-10	1.526E-05	0.0002815	0.000694	5.87117E-11	9.05838E-11	3.60676E-11	1.8549E-11
394	571110.6	4178399	0.55, 41783	4.7766	17.70794	386.44752	237.89657	91.74551	117.26543	3.14292E-07	7.32E-09	3.216E-07	2.543E-05	9.84E-08	2.553E-05	6.037E-06	3.79E-08	6.075E-06	9.92E-11	3E-10	1.73E-10	3.62E-11	8.73E-10	4.82E-11	9.57612E-10	2.144E-05	0.00012763	0.000405	8.24742E-11	1.27246E-10	5.06652E-11	2.60564E-11
395	571150.6	4178399	0.55, 41783	4.75682	9.04164	493.27775	194.83019	91.47407	80.27894	3.12991E-07	3.74E-09	3.167E-07	3.246E-05	8.06E-08	3.254E-05	6.019E-06	3.78E-08	6.057E-06	9.77E-11	2.95E-10	1.71E-10	3.56E-11	8.6E-10	4.74E-11	9.43068E-10	2.112E-05	0.00016269	0.000404	8.12215E-11	1.25313E-10	4.98957E-11	2.56606E-11
396	571190.6	4178399	0.55, 41783	4.13591	5.67532	541.83424	159.29594	82.25115	55.55038	2.72136E-07	2.35E-09	2.745E-07	3.565E-05	6.59E-08	3.572E-05	5.412E-06	3.40E-08	5.446E-06	8.47E-11	2.56E-10	1.48E-10	3.09E-11	7.45E-10	4.11E-11	8.17277E-10	1.83E-05	0.00017859	0.000363	7.03879E-11	1.08598E-10	4.32404E-11	2.22379E-11
397	571230.6	4178399	0.55, 41783	3.34043	3.91116	419.25179	113.41297	67.92735	42.50701	2.19795E-07	1.62E-09	2.214E-07	2.759E-05	4.69E-08	2.763E-05	4.47E-06	2.81E-08	4.498E-06	6.83E-11	2.06E-10	1.19E-10	2.49E-11	6.01E-10	3.32E-11	6.59258E-10	1.476E-05	0.00013816	0.0003	5.67785E-11	8.76011E-11	3.488E-11	1.79383E-11
398	571270.6	4178399	0.55, 41783	2.69096	2.84934	276.99568	96.24025	46.4546	32.10306	1.77061E-07	1.18E-09	1.782E-07	1.823E-05	3.98E-08	1.827E-05	3.057E-06	1.92E-08	3.076E-06	5.5E-11	1.66E-10	9.61E-11	2E-11	4.84E-10	2.67E-11	5.3071E-10	1.188E-05	9.1328E-05	0.000205	4.57073E-11	7.05198E-11	2.80787E-11	1.44405E-11
399	571310.6	4178399	0.55, 41783	2.15304	2.16763	240.01182	84.08056	39.08125	24.00367	1.41666E-07	8.96E-10	1.426E-07	1.579E-05	3.48E-08	1.583E-05	2.571E-06	1.62E-08	2.588E-06	4.4E-11	1.33E-10	7.69E-11	1.6E-11	3.87E-10	2.14E-11	4.24483E-10	9.504E-06	7.9136E-05	0.000173	3.65585E-11	5.64046E-11	2.24585E-11	1.15501E-11
400	571350.6	4178399	0.55, 41783	1.74135	1.70512	224.12525	73.73672	31.06226	18.34101	1.14578E-07	7.05E-10	1.153E-07	1.475E-05	3.05E-08	1.478E-05	2.044E-06	1.28E-08	2.057E-06	3.56E-11	1.07E-10	6.22E-11	1.3E-11	3.13E-10	1.73E-11	3.43257E-10	7.686E-06	7.3888E-05	0.000137	2.9563E-11	4.56114E-11	1.8161E-11	9.33995E-12
401	571390.6	4178399	0.55, 41783	1.43215	1.37481	207.21833	64.01827	26.21992	15.02288	9.42331E-08	5.68E-10	9.48E-08	1.363E-05	2.65E-08	1.366E-05	1.725E-06	1.08E-08	1.736E-06	2.93E-11	8.83E-11	5.11E-11	1.07E-11	2.57E-10	1.42E-11	2.82273E-10	6.32E-06	6.8305E-05	0.000116	2.43107E-11	3.7508E-11	1.49345E-11	7.68059E-12
402	571430.6	4178399	0.55, 41783	1.19016	1.12906	179.9524	59.14274	22.49405	12.88734	7.83105E-08	4.67E-10	7.878E-08	1.184E-05	2.45E-08	1.187E-05	1.48E-06	9.30E-09	1.489E-06	2.43E-11	7.34E-11	4.25E-11	8.86E-12	2.14E-10	1.18E-11	2.34561E-10	5.252E-06	5.9325E-05	9.93E-05	2.02015E-11	3.11681E-11	1.24101E-11	6.38235E-12
403	571470.6	4178399	0.55, 41783	0.9966	0.93995	146.8642	55.47011	18.35802	11.23121	6.55746E-08	3.89E-10	6.596E-08	9.663E-06	2.29E-08	9.686E-06	1.208E-06	7.59E-09	1.216E-06	2.04E-11	6.15E-11	3.56E-11	7.42E-12	1.79E-10	9.88E-12	1.96407E-10	4.398E-06	4.8432E-05	8.1E-05	1.69155E-11	2.60982E-11	1.03915E-11	5.34419E-12
404	571510.6	4178399	0.55, 41783	0.8441	0.79417	113.63796	52.27286	14.20474	9.85599	5.55404E-08	3.28E-10	5.587E-08	7.477E-06	2.16E-08	7.499E-06	9.346E-07	5.87E-09	9.405E-07	1.72E-11	5.21E-11	3.01E-11	6.28E-12	1.52E-10	8.37E-12	1.6635E-10	3.725E-06	3.7494E-05	6.27E-05	1.43269E-11	2.21043E-11	8.80124E-12	4.52635E-12
405	571550.6	4178399	0.55, 41783	0.71988	0.67749	84.04695	49.45688	12.59546	8.65245	4.73669E-08	2.80E-10	4.765E-08	5.53E-06	2.04E-08	5.551E-06	8.288E-07	5.21E-09	8.34E-07	1.47E-11	4.44E-11	2.57E-11	5.36E-12	1.29E-10	7.14E-12	1.4187E-10	3.176E-06	2.7753E-05	5.56E-05	1.22185E-11	1.88514E-11	7.50604E-12	3.86025E-12
406	571590.6	4178399	0.55, 41783	0.61846	0.58359	61.25343	46.95039	11.31778	7.65227	4.06936E-08	2.41E-10	4.093E-08	4.03E-06	1.94E-08	4.05E-06	7.447E-07	4.68E-09	7.494E-07	1.26E-11	3.81E-11	2.21E-11	4.6E-12	1.11E-10	6.13E-12	1.21885E-10	2.729E-06	2.0249E-05	5E-05	1.04973E-11	1.61958E-11	6.44865E-12	3.31645E-12
407	570310.6	4178439	0.55, 41784	0.11265	0.08111	78.47962	27.91467	13.07994	3.48933	7.41218E-09	3.35E-11	7.446E-09	5.164E-06	1.15E-08	5.175E-06	8.606E-07	5.41E-09	8.66E-07	2.3E-12	6.94E-12	4.02E-12	8.37E-13	2.02E-11	1.12E-12	2.21698E-11	4.964E-07	2.5877E-05	5.77E-05	1.90937E-12	2.94588E-12	1.17296E-12	6.03234E-13
408	570350.6	4178439	0.55, 41784	0.12585	0.09139	84.54471	29.62734	14.09078	3.70342	8.28072E-09	3.78E-11	8.319E-09	5.563E-06	1.23E-08	5.575E-06	9.271E-07	5.83E-09	9.33E-07	2.57E-12	7.75E-12	4.49E-12	9.35E-13	2.26E-11	1.25E-12	2.47685E-11	5.546E-07	2.7876E-05	6.22E-05	2.13318E-12	3.2912E-12	1.31045E-12	6.73946E-13
409	570390.6	4178439	0.55, 41784	0.14252	0.10489	91.50908	31.67143	15.25151	4.06451	9.37758E-09	4.34E-11	9.421E-09	6.021E-06	1.31E-08	6.034E-06	1.004E-06	6.31E-09	1.01E-06	2.91E-12	8.78E-12	5.08E-12	1.06E-12	2.56E-11	1.41E-12	2.80511E-11	6.281E-07	3.0171E-05	6.73E-05	2.41589E-12	3.72738E-12	1.48412E-12	7.63263E-13
410	570430.6	4178439	0.55, 41784	0.16313	0.12204	99.54775	33.93845	16.59129	4.47421	1.07337E-08	5.05E-11	1.078E-08	6.55E-06	1.40E-08	6.564E-06	1.092E-06	6.86E-09	1.099E-06	3.33E-12	1E-11	5.82E-12	1.21E-12	2.93E-11	1.62E-12	3.211E-11	7.189E-07	3.2821E-05	7.32E-05	2.76547E-12	4.26672E-12	1.69887E-12	8.73705E-13
411	570470.6	4178439	0.55, 41784	0.18858	0.14267	108.92524	36.54882	18.15421	4.93599	1.24082E-08	5.90E-11	1.247E-08	7.167E-06	1.51E-08	7.182E-06	1.195E-06	7.51E-09	1.202E-06	3.85E-12	1.16E-11	6.72E-12	1.4E-12	3.39E-11	1.87E-12	3.71214E-11	8.311E-07	3.5911E-05	8.01E-05	3.19708E-12	4.93263E-12	1.96402E-12	1.01007E-12
412	570510.6	4178439	0.55, 41784	0.22167	0.16966	120.34611	39.98702	20.05769	5.68986	1.45855E-08	7.01E-11	1.466E-08	7.919E-06	1.65E-08	7.935E-06	1.32E-06	8.29E-09	1.328E-06	4.52E-12	1.37E-11	7.9E-12	1.65E-12	3.98E-11	2.2E-12	4.36375E-11	9.77E-07	3.9676E-05	8.85E-05	3.75827E-12	5.79848E-12	2.30877E-12	1.18737E-12
413	570550.6	4178439	0.55, 41784	0.2658	0.20594	134.27176	44.24032	22.37863	6.83821	1.74892E-08	8.52E-11	1.757E-08	8.835E-06	1.83E-08	8.853E-06	1.472E-06	9.25E-09	1.482E-06	5.42E-12	1.64E-11	9.48E-12	1.98E-12	4.77E-11	2.63E-12	5.2328E-11	1.172E-06	4.4266E-05	9.88E-05	4.50674E-12	6.95325E-12	2.76856E-12	1.42383E-12
414	570590.6	4178439	0.55, 41784	0.3272	0.25654	151.91315	49.32778	25.31886	8.30482	2.15292E-08	1.06E-10	2.164E-08	9.996E-06	2.04E-08	1.002E-05	1.666E-06	1.05E-08	1.676E-06	6.68E-12	2.02E-11	1.17E-11	2.43E-12	5.87E-11	3.24E-12	6.44195E-11	1.442E-06	5.008E-05	0.000112	5.54812E-12	8.55995E-12	3.4083E-12	1.75284E-12
415	570630.6	4178439	0.55, 41784	0.41735	0.33056	175.42083	55.6235	29.2368	10.21264	2.74609E-08	1.37E-10	2.76E-08	1.154E-05	2.30E-08	1.157E-05	1.924E-06	1.21E-08	1.936E-06	8.52E-12	2.57E-11	1.49E-11	3.1E-12	7.49E-11	4.13E-12	8.21724E-11	1.84E-06	5.7827E-05	0.000129	7.07709E-12	1.09189E-11	4.34757E-12	2.23589E-12
416	570670.6	4178439	0.55, 41784	0.56024	0.44648	208.37177	63.80907	34.72863	12.75328	3.68629E-08	1.85E-10	3.705E-08	1.371E-05	2.64E-08	1.374E-05	2.285E-06	1.44E-08	2.299E-06	1.14E-11	3.45E-11	2E-11	4.16E-12	1.01E-10	5.55E-12	1.1031E-10	2.47E-06	6.8684E-05	0.000153	9.50039E-12	1.46577E-11	5.83624E-12	3.0015E-12
417	570710.6	4178439	0.55, 41784	0.81434	0.64609	258.28683	75.2647	43.04781	16.40047	5.35822E-08	2.67E-10	5.385E-08	1.699E-05	3.11E-08	1.703E-05	2.832E-06	1.78E-08	2.85E-06	1.66E-11	5.02E-11	2.9E-11	6.05E-12	1.46E-10	8.07E-12	1.60338E-10	3.59E-06	8.513E-05	0.00019	1.3809E-11	2.13054E-11	8.48312E-12	4.36275E-12
418	570750.6	4178439	0.55, 41784	1.35572	1.03003	343.9155	93.10334	57.16949	22.25077	8.92041E-08	4.26E-10	8.963E-08	2.263E-05	3.85E-08	2.267E-05	3.762E-06	2.36E-08	3.785E-06	2.77E-11	8.35E-11	4.83E-11	1.01E-11	2.43E-10	1.34E-11	2.66875E-10	5.975E-06	0.00011334	0.000252	2.29846E-11	3.54619E-11	1.41198E-11	7.26161E-12
419	570790.6	4178439	0.55, 41784	3.18264	2.0617	571.47263	129.70009	95.66015	38.79176	2.09412E-07	8.52E-10	2.103E-07	3.76E-05	5.36E-08	3.766E-05	6.294E-06	3.96E-08	6.334E-06	6.49E-11	1.96E-10	1.13E-10	2.36E-11	5.71E-10	3.15E-11	6.26068E-10	1.402E-05	0.00018828	0.000422	5.392E-11	8.31908E-11	3.31239E-11	1.70352E-11
420	571070.6	4178439	0.55, 41784	4.74443	12.25677	251.71558	235.3671	48.15254	87.29167	3.12176E-07	5.07E-09	3.172E-07	1.656E-05	9.73E-08	1.666E-05	3.168E-06	1.99E-08	3.188E-06	9.79E-11	2.96E-10	1.71E-10	3.57E-11	8.61E-10	4.75E-11	9.44598E-10	2.115E-05	8.3299E-05	0.000213	8.13534E-11	1.25517E-10	4.99767E-11	2.57023E-11
421	571110.6	4178439	0.55, 41784	3.89854	10.39914	292.37938	213.76959	54.55193	96.69541	2.56517E-07	4.30E-09	2.608E-07	1.924E-05	8.84E-08	1.933E-05	3.589E-06	2.26E-08	3.612E-06	8.05E-11	2.43E-10	1.41E-10	2.93E-11	7.08E-10	3.91E-11	7.76588E-10	1.739E-05	9.6632E-05	0.000241	6.68835E-11	1.03192E-10	4.10876E-11	2.11308E-11
422	571150.6	4178439	0.55, 41784	3.24566	6.14355	299.25996	151.74182	53.26943	58.88405	2.13559E-07	2.54E-09	2.161E-07	1.969E-05	6.27E-08	1.975E-05	3.505E-06	2.20E-08	3.527E-06	6.67E-11	2.01E-10	1.17E-10	2.43E-11	5.87E-10	3.24E-11	6.4344E-10	1.441E-05	9.8768E-05	0.000235	5.54161E-11	8.54992E-11	3.4043E-11	1.75078E-11
423	571190.6	4178439	0.55, 41784	2.68652	4.20662	319.22111	114.25705	45.60302	42.68486	1.76769E-07	1.74E-09	1.785E-07	2.1E-05	4.72E-08	2.105E-05	3.001E-06	1.89E-08	3.019E-06	5.51E-11	1.66E-10	9.63E-11	2.01E-11	4.85E-10	2.67E-11	5.31511E-10	1.19E-05	0.00010526	0.000201	4.57763E-11	7.06262E-11	2.81211E-11	1.44623E-11
424	571230.6	4178439	0.55, 41784	2.2851	3.10379	355.31137	114.374	48.25343	33.87475	1.50356E-07	1.28E-09	1.516E-07	2.338E-05	4.73E-08	2.343E-05	3.175E-06	2.00E-08	3.195E-06	4.68E-11	1.41E-10	8.18E-11	1.7E-11	4.12E-10	2.27E-11	4.51508E-10	1.011E-05	0.00011713	0.000213	3.88861E-11	5.99957E-11	2.38884E-11	1.22854E-11
425	571270.6	4178439	0.55, 41784	1.91581	2.39067	281.61312	92.35093	43.32371	28.45229	1.26057E-07	9.88E-10	1.27E-07	1.853E-05	3.82E-08	1.857E-05	2.851E-06	1.79E-08	2.869E-06	3.92E-11	1.18E-10	6.85E-11	1.43E-11	3.45E-10	1.9E-11	3.78281E-10	8.47E-06	9.2839E-05	0.000191	3.25794E-11	5.02653E-11	2.0014E-11	1.02929E-11
426	571310.6	4178439	0.55, 41784	1.62017	1.88774	249.98498	75.512	38.72011	23.46838	1.06604E-07	7.81E-10	1.074E-07	1.645E-05	3.12E-08	1.648E-05	2.548E-06	1.60E-08	2.564E-06	3.31E-11	1E-10	5.79E-11	1.21E-11	2.92E-10	1.61E-11	3.19741E-10	7.159E-06	8.2399E-05	0.000171	2.75376E-11	4.24866E-11	1.69168E-11	8.70008E-12
427	571350.6	4178439	0.55, 41784	1.36969	1.52492	207.90528	71.02603	31.99215	18.96422	9.01233E-08	6.31E-10	9.075E-08	1.368E-05	2.94E-08	1.371E-05	2.105E-06	1.32E-08	2.118E-06	2.8E-11	8.46E-11	4.9E-11	1.02E-11	2.46E-10	1.36E-11	2.70221E-10	6.05E-06	6.8546E-05	0.000141	2.32728E-11	3.59065E-11	1.42968E-11	7.35266E-12
428	571390.6	4178439	0.55, 41784	1.16602	1.25794	137.82846	66.02867	21.56098	15.29437	7.67222E-08	5.20E-10	7.724E-08	9.069E-06	2.73E-08	9.096E-06	1.419E-06	8.91E-09	1.428E-06	2.38E-11	7.2E-11	4.17E-11	8.68E-12	2.1E-10	1.16E-11	2.2999E-10	5.149E-06	4.5481E-05	9.52E-05	1.98079E-11	3.05607E-11	1.21683E-11	6.25799E-12
429	571430.6	4178439	0.55, 41784	1.00225	1.05165	150.81052	60.59063	19.07395	12.70811	6.59464E-08	4.35E-10	6.638E-08	9.923E-06	2.51E-08	9.948E-06	1.255E-06	7.89E-09	1.263E-06	2.05E-11	6.18E-11	3.58E-11	7.46E-12	1.8E-10	9.94E-12	1.97651E-10	4.425E-06	4.9741E-05	8.42E-05	1.70227E-11	2.62636E-11	1.04573E-11	5.37805E-12
430	571470.6	4178439	0.55, 41784	0.86528	0.88825	153.64691	54.59461	19.20586	10.6849	5.6934E-08	3.67E-10	5.73E-08	1.011E-05	2.26E-08	1.013E-05	1.264E-06	7.94E-09	1.272E-06	1.77E-11	5.34E-11	3.09E-11	6.44E-12	1.56E-10	8.58E-12	1.70616E-10	3.82E-06	5.0661E-05	8.48E-05	1.46942E-11	2.26711E-11	9.02691E-12	4.64241E-12
431	571510.6	4178439	0.55, 41784	0.75493	0.76151	144.52703	49.13224	18.06588	9.74189	4.96731E-08	3.15E-10	4.999E-08	9.51E-06	2.03E-08	9.53E-06	1.189E-06	7.47E-09	1.196E-06	1.54E-11	4.66E-11	2.7E-11	5.62E-12	1.36E-10	7.49E-12	1.4884E-10	3.333E-06	4.765E-05	7.97E-05	1.28188E-11	1.97776E-11	7.87482E-12	4.04991E-12
432	571550.6	4178439	0.55, 41784	0.65913	0.65716	127.58758	46.59598	15.94845	8.8858	4.33697E-08	2.72E-10	4.364E-08	8.395E-06	1.93E-08	8.414E-06	1.049E-06	6.59E-09	1.056E-06	1.35E-11	4.07E-11	2.35E-11	4.91E-12	1.19E-10	6.54E-12	1.29943E-10	2.909E-06	4.2072E-05	7.04E-05	1.11913E-11	1.72666E-11	6.87501E-12	3.53572E-12
433	571590.6	4178439	0.55, 41784	0.57626	0.57045	106.82976	44.35137	13.35372	8.08009	3.79169E-08	2.36E-10	3.815E-08	7.029E-06	1.83E-08	7.048E-06	8.787E-07	5.52E-09	8.842E-07	1.18E-11	3.55E-11	2.06E-11	4.29E-12	1.04E-10	5.71E-12	1.13601E-10	2.544E-06	3.5238E-05	5.89E-05	9.78384E-12	1.50951E-11	6.01037E-12	3.09105E-12
434	570310.6	4178479	0.55, 41784	0.1113	0.08183	74.58423	29.47815	11.80727	4.00274	7.32335E-09	3.38E-11	7.357E-09	4.908E-06	1.22E-08	4.92E-06	7.769E-07	4.88E-09	7.818E-07	2.27E-12	6.85E-12	3.97E-12	8.27E-13	2E-11	1.1E-12	2.19062E-11	4.905E-07	2.4599E-05	5.21E-05	1.88667E-12	2.91085E-12	1.15901E-12	5.96062E-13
435	570350.6	4178479	0.55, 41784	0.12561	0.09388	80.0812	31.76761	12.83362	4.33491	8.26493E-09	3.88E-11	8.304E-09	5.269E-06	1.31E-08	5.282E-06	8.444E-07	5.31E-09	8.497E-07	2.56E-12	7.74E-12	4.48E-12	9.33E-13	2.25E-11	1.24E-12	2.47246E-11	5.536E-07	2.6412E-05	5.66E-05	2.1294E-12	3.28536E-12	1.30812E-12	6.7275E-13
436	570390.6	4178479	0.55, 41784	0.14146	0.10678	86.10528	34.01158	14.01299	4.67053	9.30783E-09	4.42E-11	9.352E-09	5.666E-06	1.41E-08	5.68E-06	9.22E-07	5.79E-09	9.278E-07	2.89E-12	8.71E-12	5.04E-12	1.05E-12	2.54E-11	1.4E-12	2.78457E-11	6.235E-07	2.8398E-05	6.19E-05	2.39821E-12	3.70009E-12	1.47326E-12	7.57675E-13
437	570430.6	4178479	0.55, 41784	0.16075	0.12266	93.00088	36.36689	15.32204	5.02469	1.05771E-08	5.07E-11	1.063E-08	6.119E-06	1.50E-08	6.134E-06	1.008E-06	6.34E-09	1.014E-06	3.28E-12	9.9E-12	5.73E-12	1.19E-12	2.89E-11	1.59E-12	3.16445E-11	7.085E-07	3.0672E-05	6.76E-05	2.72537E-12	4.20486E-12	1.67424E-12	8.61039E-13
438	570470.6	4178479	0.55, 41784	0.18644	0.14379	101.96042	39.51551	16.93263	5.48718	1.22674E-08	5.95E-11	1.233E-08	6.709E-06	1.63E-08	6.725E-06	1.114E-06	7.00E-09	1.121E-06	3.8E-12	1.15E-11	6.65E-12	1.39E-12	3.35E-11	1.85E-12	3.67036E-11	8.218E-07	3.3626E-05	7.47E-05	3.16109E-12	4.87711E-12	1.94191E-12	9.98695E-13
439	570510.6	4178479	0.55, 41784	0.22079	0.17209	113.44919	43.50567	18.9082	6.17272	1.45276E-08	7.12E-11	1.46E-08	7.465E-06	1.80E-08	7.483E-06	1.244E-06	7.82E-09	1.252E-06	4.5E-12	1.36E-11	7.87E-12	1.64E-12	3.96E-11	2.19E-12	4.34681E-11	9.733E-07	3.7414E-05	8.35E-05	3.74368E-12	5.77597E-12	2.29981E-12	1.18276E-12
440	570550.6	4178479	0.55, 41784	0.2667	0.21004	127.7059	48.20733	21.28432	7.34053	1.75484E-08	8.68E-11	1.764E-08	8.403E-06	1.99E-08	8.423E-06	1.4E-06	8.80E-09	1.409E-06	5.44E-12	1.64E-11	9.51E-12	1.98E-12	4.79E-11	2.64E-12	5.25093E-11	1.176E-06	4.2114E-05	9.4E-05	4.52236E-12	6.97735E-12	2.77816E-12	1.42877E-12
441	570590.6	4178479	0.55, 41784	0.32931	0.26248	144.67878	53.44745	24.11313	8.81975	2.1668E-08	1.09E-10	2.178E-08	9.52E-06	2.21E-08	9.542E-06	1.587E-06	9.97E-09	1.597E-06	6.72E-12	2.03E-11	1.17E-11	2.45E-12	5.91E-11	3.26E-12	6.48402E-11	1.452E-06	4.7709E-05	0.000106	5.58435E-12	8.61585E-12	3.43056E-12	1.76429E-12
442	570630.6	4178479	0.55, 41784	0.42133	0.33962	165.95931	60.05375	27.65989	10.77683	2.77228E-08	1.40E-10	2.786E-08	1.092E-05	2.48E-08	1.094E-05	1.82E-06	1.14E-08	1.831E-06	8.6E-12	2.6E-11	1.5E-11	3.13E-12	7.57E-11	4.17E-12	8.29633E-11	1.858E-06	5.4723E-05	0.000122	7.1452E-12	1.1024E-11	4.38941E-12	2.25741E-12
443	570670.6	4178479	0.55, 41784	0.56746	0.46145	193.36004	69.0612	32.22667	13.5092	3.73379E-08	1.91E-10	3.753E-08	1.272E-05	2.86E-08	1.275E-05	2.12E-06	1.33E-08	2.134E-06	1.16E-11	3.5E-11	2.02E-11	4.22E-12	1.02E-10	5.62E-12	1.11742E-10	2.502E-06	6.3757E-05	0.000142	9.6238E-12	1.48482E-11	5.91206E-12	3.04049E-12
444	570710.6	4178479	0.55, 41784	0.83023	0.67528	236.53606	81.84268	39.07222	17.68943	5.46277E-08	2.79E-10	5.491E-08	1.556E-05	3.38E-08	1.56E-05	2.571E-06	1.62E-08	2.587E-06	1.69E-11	5.12E-11	2.96E-11	6.17E-12	1.49E-10	8.22E-12	1.63487E-10	3.66E-06	7.7988E-05	0.000172	1.40802E-11	2.17238E-11	8.64973E-12	4.44843E-12
445	570750.6	4178479	0.55, 41784	1.42426	1.12918	342.03514	102.90165	49.67165	25.1054	9.37139E-08	4.67E-10	9.418E-08	2.251E-05	4.25E-08	2.255E-05	3.268E-06	2.05E-08	3.289E-06	2.91E-11	8.78E-11	5.08E-11	1.06E-11	2.56E-10	1.41E-11	2.80425E-10	6.279E-06	0.00011274	0.000219	2.41516E-11	3.72624E-11	1.48367E-11	7.6303E-12
446	570790.6	4178479	0.55, 41784	3.63047	2.75084	596.75244	187.47347	107.7468	51.23422	2.38879E-07	1.14E-09	2.4E-07	3.927E-05	7.75E-08	3.934E-05	7.09E-06	4.46E-08	7.134E-06	7.41E-11	2.24E-10	1.29E-10	2.7E-11	6.52E-10	3.6E-11	7.14653E-10	1.6E-05	0.00019671	0.000476	6.15494E-11	9.49619E-11	3.78108E-11	1.94455E-11
447	571030.6	4178479	0.55, 41784	9.40071	15.68167	333.68631	267.08575	81.11776	110.69164	6.18551E-07	6.48E-09	6.25E-07	2.196E-05	1.10E-07	2.207E-05	5.337E-06	3.35E-08	5.371E-06	1.93E-10	5.82E-10	3.37E-10	7.03E-11	1.7E-09	9.36E-11	1.86105E-09	4.167E-05	0.00011033	0.000358	1.60283E-10	2.47294E-10	9.84644E-11	5.06388E-11
448	571070.6	4178479	0.55, 41784	5.59712	9.0131	216.22006	204.77885	54.58514	76.29745	3.68281E-07	3.73E-09	3.72E-07	1.423E-05	8.47E-08	1.431E-05	3.592E-06	2.26E-08	3.614E-06	1.15E-10	3.47E-10	2.01E-10	4.18E-11	1.01E-09	5.57E-11	1.10766E-09	2.48E-05	7.1558E-05	0.000241	9.53971E-11	1.47184E-10	5.8604E-11	3.01392E-11
449	571110.6	4178479	0.55, 41784	3.86033	5.8724	232.77263	158.88759	40.87392	60.11848	2.54003E-07	2.43E-09	2.564E-07	1.532E-05	6.57E-08	1.538E-05	2.689E-06	1.69E-08	2.706E-06	7.91E-11	2.39E-10	1.38E-10	2.88E-11	6.96E-10	3.84E-11	7.63529E-10	1.71E-05	7.6909E-05	0.00018	6.57588E-11	1.01456E-10	4.03967E-11	2.07755E-11
450	571150.6	4178479	0.55, 41784	2.87873	4.17215	243.47288	131.88403	36.94401	47.80365	1.89416E-07	1.73E-09	1.911E-07	1.602E-05	5.45E-08	1.607E-05	2.431E-06	1.53E-08	2.446E-06	5.9E-11	1.78E-10	1.03E-10	2.15E-11	5.19E-10	2.86E-11	5.69125E-10	1.274E-05	8.0373E-05	0.000163	4.90158E-11	7.56244E-11	3.01112E-11	1.54858E-11
451	571190.6	4178479	0.55, 41784	2.25924	3.11768	272.99859	103.34976	40.61499	35.56429	1.48654E-07	1.29E-09	1.499E-07	1.796E-05	4.27E-08	1.801E-05	2.672E-06	1.68E-08	2.689E-06	4.63E-11	1.4E-10	8.09E-11	1.69E-11	4.07E-10	2.25E-11	4.46459E-10	9.996E-06	9.0028E-05	0.000179	3.84512E-11	5.93247E-11	2.36212E-11	1.2148E-11
452	571230.6	4178479	0.55, 41784	1.86428	2.43731	228.60917	88.43023	34.9281	28.65964	1.22667E-07	1.01E-09	1.237E-07	1.504E-05	3.66E-08	1.508E-05	2.298E-06	1.44E-08	2.313E-06	3.82E-11	1.15E-10	6.67E-11	1.39E-11	3.36E-10	1.85E-11	3.68243E-10	8.245E-06	7.5393E-05	0.000154	3.17148E-11	4.89314E-11	1.94829E-11	1.00198E-11
453	571270.6	4178479	0.55, 41784	1.58233	1.95726	275.18297	89.4878	39.56066	24.38596	1.04115E-07	8.09E-10	1.049E-07	1.811E-05	3.70E-08	1.814E-05	2.603E-06	1.64E-08	2.619E-06	3.24E-11	9.78E-11	5.66E-11	1.18E-11	2.85E-10	1.57E-11	3.12413E-10	6.995E-06	9.0718E-05	0.000175	2.69065E-11	4.15129E-11	1.65291E-11	8.50069E-12
454	571310.6	4178479	0.55, 41784	1.35793	1.6065	222.77943	77.47813	32.82803	21.05024	8.93495E-08	6.64E-10	9.001E-08	1.466E-05	3.20E-08	1.469E-05	2.16E-06	1.36E-08	2.174E-06	2.78E-11	8.39E-11	4.86E-11	1.01E-11	2.44E-10	1.35E-11	2.68018E-10	6.001E-06	7.3453E-05	0.000145	2.3083E-11	3.56137E-11	1.41803E-11	7.2927E-12
455	571350.6	4178479	0.55, 41784	1.1642	1.33076	210.30644	64.61424	30.9494	18.13628	7.66024E-08	5.50E-10	7.715E-08	1.384E-05	2.67E-08	1.386E-05	2.036E-06	1.28E-08	2.049E-06	2.38E-11	7.19E-11	4.16E-11	8.67E-12	2.09E-10	1.16E-11	2.29724E-10	5.144E-06	6.9323E-05	0.000137	1.97849E-11	3.05253E-11	1.21542E-11	6.25072E-12
456	571390.6	4178479	0.55, 41784	1.001	1.11694	187.8278	60.73144	27.7002	15.35336	6.58641E-08	4.62E-10	6.633E-08	1.236E-05	2.51E-08	1.238E-05	1.823E-06	1.15E-08	1.834E-06	2.05E-11	6.18E-11	3.58E-11	7.46E-12	1.8E-10	9.94E-12	1.97487E-10	4.422E-06	6.1919E-05	0.000122	1.70085E-11	2.62417E-11	1.04486E-11	5.37357E-12
457	571430.6	4178479	0.55, 41784	0.8626	0.94616	141.00765	57.76687	20.99683	12.7525	5.67576E-08	3.91E-10	5.715E-08	9.278E-06	2.39E-08	9.302E-06	1.382E-06	8.68E-09	1.39E-06	1.76E-11	5.32E-11	3.08E-11	6.42E-12	1.55E-10	8.56E-12	1.70162E-10	3.81E-06	4.651E-05	9.27E-05	1.46552E-11	2.26108E-11	9.0029E-12	4.63006E-12
458	571470.6	4178479	0.55, 41784	0.75511	0.81334	85.41876	54.87579	13.60469	11.10539	4.9685E-08	3.36E-10	5.002E-08	5.62E-06	2.27E-08	5.643E-06	8.952E-07	5.63E-09	9.008E-07	1.54E-11	4.66E-11	2.7E-11	5.62E-12	1.36E-10	7.49E-12	1.48939E-10	3.335E-06	2.8216E-05	6.01E-05	1.28274E-11	1.97908E-11	7.88006E-12	4.0526E-12
459	571510.6	4178479	0.55, 41784	0.666	0.70453	104.54177	51.61661	13.06772	9.4895	4.38217E-08	2.91E-10	4.411E-08	6.879E-06	2.13E-08	6.9E-06	8.598E-07	5.40E-09	8.652E-07	1.36E-11	4.11E-11	2.38E-11	4.96E-12	1.2E-10	6.61E-12	1.31347E-10	2.941E-06	3.45E-05	5.77E-05	1.13123E-11	1.74532E-11	6.94931E-12	3.57393E-12
460	571550.6	4178479	0.55, 41784	0.58993	0.61436	114.23468	47.78612	14.27934	8.47335	3.88164E-08	2.54E-10	3.907E-08	7.516E-06	1.98E-08	7.536E-06	9.396E-07	5.90E-09	9.455E-07	1.21E-11	3.64E-11	2.11E-11	4.39E-12	1.06E-10	5.85E-12	1.16333E-10	2.605E-06	3.7681E-05	6.3E-05	1.00192E-11	1.54581E-11	6.15493E-12	3.16539E-12
461	571590.6	4178479	0.55, 41784	0.5248	0.5396	114.71837	43.31659	14.3398	7.89274	3.4531E-08	2.23E-10	3.475E-08	7.548E-06	1.79E-08	7.566E-06	9.435E-07	5.93E-09	9.495E-07	1.07E-11	3.24E-11	1.87E-11	3.91E-12	9.44E-11	5.21E-12	1.03481E-10	2.317E-06	3.7831E-05	6.33E-05	8.91228E-12	1.37504E-11	5.47496E-12	2.81569E-12
462	570310.6	4178519	0.55, 41785	0.10968	0.08323	75.92481	30.95134	12.65413	4.31611	7.21676E-09	3.44E-11	7.251E-09	4.996E-06	1.28E-08	5.009E-06	8.326E-07	5.23E-09	8.379E-07	2.24E-12	6.76E-12	3.91E-12	8.15E-13	1.97E-11	1.09E-12	2.15905E-11	4.834E-07	2.5043E-05	5.59E-05	1.85948E-12	2.86891E-12	1.14231E-12	5.87473E-13
463	570350.6	4178519	0.55, 41785	0.12253	0.09413	80.98331	32.52203	13.49722	4.56123	8.06227E-09	3.89E-11	8.101E-09	5.329E-06	1.34E-08	5.342E-06	8.881E-07	5.58E-09	8.937E-07	2.5E-12	7.55E-12	4.37E-12	9.11E-13	2.2E-11	1.21E-12	2.41215E-11	5.401E-07	2.671E-05	5.96E-05	2.07746E-12	3.20522E-12	1.27621E-12	6.56339E-13
464	570390.6	4178519	0.55, 41785	0.13706	0.10653	86.4192	34.09518	14.4032	4.78567	9.01832E-09	4.40E-11	9.062E-09	5.686E-06	1.41E-08	5.7E-06	9.477E-07	5.96E-09	9.537E-07	2.8E-12	8.44E-12	4.89E-12	1.02E-12	2.46E-11	1.36E-12	2.69834E-11	6.042E-07	2.8502E-05	6.36E-05	2.32394E-12	3.5855E-12	1.42763E-12	7.34211E-13
465	570430.6	4178519	0.55, 41785	0.15657	0.12308	93.48729	36.56809	15.58121	5.11226	1.0302E-08	5.09E-11	1.035E-08	6.151E-06	1.51E-08	6.166E-06	1.025E-06	6.44E-09	1.032E-06	3.19E-12	9.65E-12	5.58E-12	1.16E-12	2.81E-11	1.55E-12	3.08261E-11	6.902E-07	3.0832E-05	6.88E-05	2.65489E-12	4.09612E-12	1.63094E-12	8.3877E-13
466	570470.6	4178519	0.55, 41785	0.18113	0.14422	101.65142	39.2669	16.9419	5.47129	1.19181E-08	5.96E-11	1.198E-08	6.688E-06	1.62E-08	6.705E-06	1.115E-06	7.01E-09	1.122E-06	3.7E-12	1.12E-11	6.46E-12	1.35E-12	3.25E-11	1.79E-12	3.56638E-11	7.985E-07	3.3524E-05	7.48E-05	3.07154E-12	4.73894E-12	1.8869E-12	9.70403E-13
467	570510.6	4178519	0.55, 41785	0.21556	0.17373	112.42418	43.21366	18.73736	6.23491	1.41835E-08	7.18E-11	1.426E-08	7.397E-06	1.79E-08	7.415E-06	1.233E-06	7.75E-09	1.241E-06	4.4E-12	1.33E-11	7.69E-12	1.6E-12	3.87E-11	2.14E-12	4.24455E-11	9.504E-07	3.7076E-05	8.27E-05	3.65561E-12	5.64009E-12	2.2457E-12	1.15493E-12
468	570550.6	4178519	0.55, 41785	0.26244	0.21401	127.39838	48.06291	20.89373	7.26318	1.72681E-08	8.85E-11	1.736E-08	8.383E-06	1.99E-08	8.402E-06	1.375E-06	8.64E-09	1.383E-06	5.36E-12	1.62E-11	9.36E-12	1.95E-12	4.71E-11	2.6E-12	5.16796E-11	1.157E-06	4.2012E-05	9.22E-05	4.4509E-12	6.8671E-12	2.73426E-12	1.40619E-12
469	570590.6	4178519	0.55, 41785	0.32438	0.26815	146.74921	52.55391	23.05175	8.49659	2.13437E-08	1.11E-10	2.145E-08	9.656E-06	2.17E-08	9.678E-06	1.517E-06	9.53E-09	1.526E-06	6.62E-12	2E-11	1.16E-11	2.41E-12	5.83E-11	3.21E-12	6.38813E-11	1.43E-06	4.8388E-05	0.000102	5.50177E-12	8.48844E-12	3.37982E-12	1.7382E-12
470	570630.6	4178519	0.55, 41785	0.41604	0.34788	170.82398	60.03664	25.41079	10.076	2.73747E-08	1.44E-10	2.752E-08	1.124E-05	2.48E-08	1.126E-05	1.672E-06	1.05E-08	1.682E-06	8.49E-12	2.56E-11	1.48E-11	3.09E-12	7.47E-11	4.12E-12	8.19371E-11	1.835E-06	5.6324E-05	0.000112	7.05682E-12	1.08877E-11	4.33512E-12	2.22949E-12
471	570670.6	4178519	0.55, 41785	0.56352	0.47347	210.6175	71.54419	27.95974	12.2085	3.70787E-08	1.96E-10	3.727E-08	1.386E-05	2.96E-08	1.389E-05	1.84E-06	1.16E-08	1.851E-06	1.15E-11	3.47E-11	2.01E-11	4.19E-12	1.01E-10	5.58E-12	1.10985E-10	2.485E-06	6.9439E-05	0.000123	9.5586E-12	1.47475E-11	5.872E-12	3.01989E-12
472	570710.6	4178519	0.55, 41785	0.82936	0.69158	257.30872	94.91316	32.16359	16.3308	5.45705E-08	2.86E-10	5.486E-08	1.693E-05	3.92E-08	1.697E-05	2.116E-06	1.33E-08	2.13E-06	1.69E-11	5.11E-11	2.96E-11	6.17E-12	1.49E-10	8.22E-12	1.63336E-10	3.657E-06	8.4849E-05	0.000142	1.40673E-11	2.17038E-11	8.64177E-12	4.44434E-12
473	570750.6	4178519	0.55, 41785	1.36529	1.13262	327.60111	130.96882	45.80096	29.91109	8.98338E-08	4.68E-10	9.03E-08	2.156E-05	5.42E-08	2.161E-05	3.014E-06	1.89E-08	3.033E-06	2.79E-11	8.41E-11	4.87E-11	1.02E-11	2.45E-10	1.35E-11	2.68876E-10	6.02E-06	0.00010805	0.000202	2.31569E-11	3.57278E-11	1.42257E-11	7.31606E-12
474	570790.6	4178519	0.55, 41785	2.09469	1.90095	339.24086	174.34023	59.4987	49.70987	1.37827E-07	7.86E-10	1.386E-07	2.232E-05	7.21E-08	2.239E-05	3.915E-06	2.46E-08	3.94E-06	4.28E-11	1.29E-10	7.48E-11	1.56E-11	3.76E-10	2.08E-11	4.12723E-10	9.241E-06	0.00011197	0.000263	3.55457E-11	5.4842E-11	2.18363E-11	1.12301E-11
475	570990.6	4178519	0.55, 41785	30.9381	16.28557	1645.60932	278.46944	444.29015	131.46412	2.03568E-06	6.73E-09	2.042E-06	0.0001083	1.15E-07	0.0001084	2.923E-05	1.84E-07	2.942E-05	6.3E-10	1.9E-09	1.1E-09	2.3E-10	5.55E-09	3.06E-10	6.08131E-09	0.0001362	0.00054197	0.001961	5.23752E-10	8.08074E-10	3.21749E-10	1.65471E-10
476	571030.6	4178519	0.55, 41785	10.39533	8.05295	575.07494	188.36146	130.51861	75.45666	6.83995E-07	3.33E-09	6.873E-07	3.784E-05	7.79E-08	3.792E-05	8.588E-06	5.40E-08	8.642E-06	2.12E-10	6.4E-10	3.71E-10	7.73E-11	1.87E-09	1.03E-10	2.04652E-09	4.582E-05	0.00018958	0.000576	1.76256E-10	2.71939E-10	1.08277E-10	5.56854E-11
477	571070.6	4178519	0.55, 41785	5.62777	5.38206	327.13066	151.27996	61.45445	56.79768	3.70298E-07	2.23E-09	3.725E-07	2.152E-05	6.26E-08	2.159E-05	4.044E-06	2.54E-08	4.069E-06	1.15E-10	3.47E-10	2.01E-10	4.19E-11	1.01E-09	5.58E-11	1.1092E-09	2.483E-05	0.00010794	0.000271	9.55292E-11	1.47388E-10	5.86852E-11	3.01809E-11
478	571110.6	4178519	0.55, 41785	3.70135	3.92679	194.51307	130.68512	41.68788	44.49195	2.43543E-07	1.62E-09	2.452E-07	1.28E-05	5.40E-08	1.285E-05	2.743E-06	1.72E-08	2.76E-06	7.57E-11	2.28E-10	1.32E-10	2.76E-11	6.66E-10	3.67E-11	7.29987E-10	1.634E-05	6.4263E-05	0.000184	6.287E-11	9.69995E-11	3.86221E-11	1.98628E-11
479	571150.6	4178519	0.55, 41785	2.69329	3.00723	208.02281	103.35418	30.40761	37.50867	1.77214E-07	1.24E-09	1.785E-07	1.369E-05	4.27E-08	1.373E-05	2.001E-06	1.26E-08	2.013E-06	5.51E-11	1.66E-10	9.63E-11	2.01E-11	4.85E-10	2.67E-11	5.3136E-10	1.19E-05	6.8651E-05	0.000134	4.57633E-11	7.06063E-11	2.81131E-11	1.44582E-11
480	571190.6	4178519	0.55, 41785	2.08526	2.38411	205.94825	100.14217	32.90062	31.32752	1.37207E-07	9.86E-10	1.382E-07	1.355E-05	4.14E-08	1.359E-05	2.165E-06	1.36E-08	2.178E-06	4.26E-11	1.29E-10	7.45E-11	1.55E-11	3.75E-10	2.07E-11	4.11471E-10	9.213E-06	6.7962E-05	0.000145	3.54378E-11	5.46755E-11	2.177E-11	1.1196E-11
481	571230.6	4178519	0.55, 41785	1.66362	1.91731	215.41751	83.66277	30.77393	25.17962	1.09463E-07	7.93E-10	1.103E-07	1.417E-05	3.46E-08	1.421E-05	2.025E-06	1.27E-08	2.038E-06	3.4E-11	1.03E-10	5.95E-11	1.24E-11	2.99E-10	1.65E-11	3.2829E-10	7.35E-06	7.1044E-05	0.000136	2.82739E-11	4.36226E-11	1.73691E-11	8.93269E-12
482	571270.6	4178519	0.55, 41785	1.38104	1.58176	194.90891	74.63088	31.16799	21.56574	9.08701E-08	6.54E-10	9.152E-08	1.282E-05	3.09E-08	1.286E-05	2.051E-06	1.29E-08	2.064E-06	2.82E-11	8.53E-11	4.94E-11	1.03E-11	2.49E-10	1.37E-11	2.72515E-10	6.102E-06	6.4278E-05	0.000138	2.34703E-11	3.62113E-11	1.44182E-11	7.41507E-12
483	571310.6	4178519	0.55, 41785	1.18628	1.33473	227.7435	74.01926	34.0231	18.88588	7.80552E-08	5.52E-10	7.861E-08	1.499E-05	3.06E-08	1.502E-05	2.239E-06	1.41E-08	2.253E-06	2.43E-11	7.32E-11	4.24E-11	8.84E-12	2.13E-10	1.18E-11	2.34054E-10	5.24E-06	7.5079E-05	0.00015	2.01579E-11	3.11007E-11	1.23833E-11	6.36856E-12
484	571350.6	4178519	0.55, 41785	1.02794	1.1349	186.21806	66.32591	28.09378	16.3212	6.76367E-08	4.69E-10	6.811E-08	1.225E-05	2.74E-08	1.228E-05	1.849E-06	1.16E-08	1.86E-06	2.1E-11	6.35E-11	3.67E-11	7.66E-12	1.85E-10	1.02E-11	2.02787E-10	4.54E-06	6.1401E-05	0.000124	1.7465E-11	2.6946E-11	1.0729E-11	5.51778E-12
485	571390.6	4178519	0.55, 41785	0.88898	0.96986	165.64096	58.31983	23.55305	14.40747	5.84934E-08	4.01E-10	5.889E-08	1.09E-05	2.41E-08	1.092E-05	1.55E-06	9.74E-09	1.559E-06	1.82E-11	5.49E-11	3.18E-11	6.62E-12	1.6E-10	8.82E-12	1.75359E-10	3.926E-06	5.4615E-05	0.000104	1.51028E-11	2.33014E-11	9.27789E-12	4.77148E-12
486	571430.6	4178519	0.55, 41785	0.7696	0.83467	166.81635	54.79876	23.72844	12.50769	5.06384E-08	3.45E-10	5.098E-08	1.098E-05	2.27E-08	1.1E-05	1.561E-06	9.81E-09	1.571E-06	1.57E-11	4.75E-11	2.75E-11	5.73E-12	1.38E-10	7.64E-12	1.51804E-10	3.399E-06	5.4994E-05	0.000105	1.30741E-11	2.01715E-11	8.03165E-12	4.13056E-12
487	571470.6	4178519	0.55, 41785	0.67066	0.72494	138.40145	51.97552	19.82816	10.73341	4.41283E-08	3.00E-10	4.443E-08	9.107E-06	2.15E-08	9.128E-06	1.305E-06	8.20E-09	1.313E-06	1.37E-11	4.14E-11	2.4E-11	4.99E-12	1.21E-10	6.65E-12	1.32285E-10	2.962E-06	4.564E-05	8.75E-05	1.13931E-11	1.75779E-11	6.99894E-12	3.59945E-12
488	571510.6	4178519	0.55, 41785	0.58987	0.63439	93.94363	49.66848	13.736	9.50533	3.88125E-08	2.62E-10	3.907E-08	6.181E-06	2.05E-08	6.202E-06	9.038E-07	5.68E-09	9.095E-07	1.21E-11	3.64E-11	2.11E-11	4.39E-12	1.06E-10	5.85E-12	1.16346E-10	2.605E-06	3.1009E-05	6.06E-05	1.00203E-11	1.54598E-11	6.15561E-12	3.16574E-12
489	571550.6	4178519	0.55, 41785	0.52422	0.55926	64.7066	47.53612	9.81761	8.44297	3.44928E-08	2.31E-10	3.472E-08	4.258E-06	1.97E-08	4.277E-06	6.46E-07	4.06E-09	6.5E-07	1.07E-11	3.24E-11	1.87E-11	3.9E-12	9.43E-11	5.2E-12	1.03392E-10	2.315E-06	2.1386E-05	4.33E-05	8.90458E-12	1.37385E-11	5.47023E-12	2.81326E-12
490	571590.6	4178519	0.55, 41785	0.47148	0.49721	75.39988	45.27823	9.54319	7.49343	3.10226E-08	2.06E-10	3.123E-08	4.961E-06	1.87E-08	4.98E-06	6.279E-07	3.95E-09	6.319E-07	9.64E-12	2.91E-11	1.68E-11	3.51E-12	8.48E-11	4.68E-12	9.29825E-11	2.082E-06	2.49E-05	4.21E-05	8.0081E-12	1.23554E-11	4.91951E-12	2.53003E-12
491	570310.6	4178559	0.55, 41785	0.10731	0.08405	76.80272	30.54078	12.80045	4.19275	7.06082E-09	3.48E-11	7.096E-09	5.053E-06	1.26E-08	5.066E-06	8.422E-07	5.29E-09	8.475E-07	2.19E-12	6.61E-12	3.83E-12	7.98E-13	1.93E-11	1.06E-12	2.11272E-11	4.73E-07	2.5331E-05	5.65E-05	1.81958E-12	2.80735E-12	1.1178E-12	5.74866E-13
492	570350.6	4178559	0.55, 41785	0.11907	0.09438	82.9813	31.5625	13.39224	4.31782	7.83461E-09	3.90E-11	7.874E-09	5.46E-06	1.31E-08	5.473E-06	8.812E-07	5.54E-09	8.867E-07	2.43E-12	7.34E-12	4.25E-12	8.85E-13	2.14E-11	1.18E-12	2.34439E-11	5.249E-07	2.7365E-05	5.91E-05	2.0191E-12	3.11518E-12	1.24037E-12	6.37903E-13
493	570390.6	4178559	0.55, 41785	0.1339	0.10748	90.55746	32.83588	14.07263	4.47793	8.8104E-09	4.44E-11	8.855E-09	5.959E-06	1.36E-08	5.972E-06	9.26E-07	5.82E-09	9.318E-07	2.73E-12	8.25E-12	4.78E-12	9.95E-13	2.4E-11	1.33E-12	2.63654E-11	5.903E-07	2.9861E-05	6.21E-05	2.27072E-12	3.5034E-12	1.39494E-12	7.17398E-13
494	570430.6	4178559	0.55, 41785	0.15297	0.12443	99.07784	34.42492	14.88754	4.68196	1.00652E-08	5.14E-11	1.012E-08	6.519E-06	1.42E-08	6.533E-06	9.796E-07	6.16E-09	9.857E-07	3.12E-12	9.43E-12	5.46E-12	1.14E-12	2.75E-11	1.52E-12	3.01224E-11	6.744E-07	3.2667E-05	6.57E-05	2.59429E-12	4.00262E-12	1.59371E-12	8.19624E-13
495	570470.6	4178559	0.55, 41785	0.17711	0.14611	108.3811	37.13833	15.68816	5.10948	1.16535E-08	6.04E-11	1.171E-08	7.131E-06	1.54E-08	7.147E-06	1.032E-06	6.49E-09	1.039E-06	3.61E-12	1.09E-11	6.32E-12	1.32E-12	3.18E-11	1.75E-12	3.48785E-11	7.809E-07	3.5733E-05	6.92E-05	3.00391E-12	4.6346E-12	1.84535E-12	9.49037E-13
496	570510.6	4178559	0.55, 41785	0.21022	0.1758	119.02071	41.74654	16.67371	5.7123	1.38321E-08	7.27E-11	1.39E-08	7.831E-06	1.73E-08	7.849E-06	1.097E-06	6.89E-09	1.104E-06	4.29E-12	1.3E-11	7.5E-12	1.56E-12	3.78E-11	2.08E-12	4.14019E-11	9.27E-07	3.9243E-05	7.36E-05	3.56573E-12	5.50141E-12	2.19048E-12	1.12653E-12
497	570550.6	4178559	0.55, 41785	0.25686	0.21737	138.81712	48.97119	17.78034	6.5378	1.6901E-08	8.99E-11	1.699E-08	9.134E-06	2.02E-08	9.154E-06	1.17E-06	7.35E-09	1.177E-06	5.24E-12	1.58E-11	9.16E-12	1.91E-12	4.61E-11	2.55E-12	5.05905E-11	1.133E-06	4.5771E-05	7.85E-05	4.3571E-12	6.72239E-12	2.67664E-12	1.37656E-12
498	570590.6	4178559	0.55, 41785	0.31921	0.27311	158.95656	55.69599	19.86957	7.90259	2.10035E-08	1.13E-10	2.112E-08	1.046E-05	2.30E-08	1.048E-05	1.307E-06	8.22E-09	1.316E-06	6.52E-12	1.97E-11	1.14E-11	2.37E-12	5.73E-11	3.16E-12	6.28745E-11	1.408E-06	5.2411E-05	8.77E-05	5.41506E-12	8.35466E-12	3.32656E-12	1.7108E-12
499	570630.6	4178559	0.55, 41785	0.41072	0.35398	180.38278	65.18573	22.54785	9.64997	2.70247E-08	1.46E-10	2.717E-08	1.187E-05	2.70E-08	1.19E-05	1.484E-06	9.32E-09	1.493E-06	8.38E-12	2.53E-11	1.47E-11	3.05E-12	7.38E-11	4.07E-12	8.09023E-11	1.811E-06	5.9479E-05	9.95E-05	6.9677E-12	1.07502E-11	4.28037E-12	2.20133E-12
500	570670.6	4178559	0.55, 41785	0.55178	0.47716	218.05495	85.23197	27.25687	14.02323	3.63062E-08	1.97E-10	3.65E-08	1.435E-05	3.52E-08	1.438E-05	1.793E-06	1.13E-08	1.805E-06	1.13E-11	3.4E-11	1.97E-11	4.1E-12	9.91E-11	5.47E-12	1.0869E-10	2.434E-06	7.1914E-05	0.00012	9.3609E-12	1.44425E-11	5.75055E-12	2.95743E-12
501	570710.6	4178559	0.55, 41785	0.78132	0.6809	244.71244	105.12049	32.595	21.74638	5.14095E-08	2.82E-10	5.169E-08	1.61E-05	4.35E-08	1.615E-05	2.145E-06	1.35E-08	2.158E-06	1.6E-11	4.82E-11	2.79E-11	5.81E-12	1.4E-10	7.74E-12	1.53911E-10	3.446E-06	8.0726E-05	0.000144	1.32556E-11	2.04515E-11	8.14312E-12	4.18789E-12
502	570750.6	4178559	0.55, 41785	1.13763	1.02831	276.33124	124.7524	39.47589	32.46528	7.48542E-08	4.25E-10	7.528E-08	1.818E-05	5.16E-08	1.823E-05	2.597E-06	1.63E-08	2.614E-06	2.32E-11	7.01E-11	4.06E-11	8.46E-12	2.04E-10	1.13E-11	2.24146E-10	5.019E-06	9.1169E-05	0.000174	1.93045E-11	2.97841E-11	1.18591E-11	6.09895E-12
503	570790.6	4178559	0.55, 41785	1.48115	1.46435	285.306	157.20995	43.19026	42.97795	9.74572E-08	6.05E-10	9.806E-08	1.877E-05	6.50E-08	1.884E-05	2.842E-06	1.79E-08	2.86E-06	3.03E-11	9.14E-11	5.29E-11	1.1E-11	2.66E-10	1.47E-11	2.91984E-10	6.538E-06	9.4188E-05	0.000191	2.5147E-11	3.87983E-11	1.54482E-11	7.9448E-12
504	570830.6	4178559	0.55, 41785	2.67811	2.99292	342.02881	178.80856	66.23843	64.34565	1.76215E-07	1.24E-09	1.775E-07	2.25E-05	7.39E-08	2.258E-05	4.358E-06	2.74E-08	4.386E-06	5.48E-11	1.65E-10	9.57E-11	1.99E-11	4.82E-10	2.66E-11	5.28369E-10	1.183E-05	0.00011289	0.000292	4.55057E-11	7.02087E-11	2.79549E-11	1.43768E-11
505	570950.6	4178559	0.55, 41785	26.55575	12.00196	679.01352	318.67052	280.37281	116.3834	1.74732E-06	4.96E-09	1.752E-06	4.468E-05	1.32E-07	4.481E-05	1.845E-05	1.16E-07	1.856E-05	5.41E-10	1.63E-09	9.45E-10	1.97E-10	4.76E-09	2.62E-10	5.21747E-09	0.0001168	0.00022405	0.001238	4.49353E-10	6.93288E-10	2.76045E-10	1.41966E-10
506	570990.6	4178559	0.55, 41785	10.52141	6.96087	639.29991	205.65266	133.52138	75.6432	6.92291E-07	2.88E-09	6.952E-07	4.206E-05	8.50E-08	4.215E-05	8.785E-06	5.52E-08	8.841E-06	2.15E-10	6.48E-10	3.75E-10	7.81E-11	1.89E-09	1.04E-10	2.06988E-09	4.634E-05	0.00021075	0.000589	1.78268E-10	2.75042E-10	1.09513E-10	5.6321E-11
507	571030.6	4178559	0.55, 41785	6.12086	4.69941	562.31532	143.87555	97.52112	53.65332	4.02742E-07	1.94E-09	4.047E-07	3.7E-05	5.95E-08	3.706E-05	6.417E-06	4.03E-08	6.457E-06	1.25E-10	3.77E-10	2.18E-10	4.55E-11	1.1E-09	6.06E-11	1.20496E-09	2.698E-05	0.00018529	0.00043	1.03777E-10	1.60113E-10	6.37518E-11	3.27866E-11
508	571070.6	4178559	0.55, 41785	4.00501	3.46908	291.75499	122.4909	69.10596	41.80504	2.63523E-07	1.43E-09	2.65E-07	1.92E-05	5.06E-08	1.925E-05	4.547E-06	2.86E-08	4.576E-06	8.18E-11	2.47E-10	1.43E-10	2.98E-11	7.19E-10	3.97E-11	7.88916E-10	1.766E-05	9.6238E-05	0.000305	6.79452E-11	1.0483E-10	4.17399E-11	2.14662E-11
509	571110.6	4178559	0.55, 41785	2.89394	2.70355	288.47324	105.99812	48.03981	36.46899	1.90416E-07	1.12E-09	1.915E-07	1.898E-05	4.38E-08	1.902E-05	3.161E-06	1.99E-08	3.181E-06	5.91E-11	1.78E-10	1.03E-10	2.15E-11	5.2E-10	2.87E-11	5.70297E-10	1.277E-05	9.5124E-05	0.000212	4.91167E-11	7.57801E-11	3.01732E-11	1.55176E-11
510	571150.6	4178559	0.55, 41785	2.21115	2.17534	240.56187	97.79178	31.90722	30.3701	1.4549E-07	8.99E-10	1.464E-07	1.583E-05	4.04E-08	1.587E-05	2.099E-06	1.32E-08	2.113E-06	4.52E-11	1.36E-10	7.9E-11	1.65E-11	3.97E-10	2.19E-11	4.35877E-10	9.759E-06	7.9345E-05	0.000141	3.75399E-11	5.79186E-11	2.30613E-11	1.18601E-11
511	571190.6	4178559	0.55, 41785	1.76303	1.79806	177.14345	83.63267	24.55859	26.34777	1.16004E-07	7.43E-10	1.167E-07	1.166E-05	3.46E-08	1.169E-05	1.616E-06	1.02E-08	1.626E-06	3.6E-11	1.09E-10	6.3E-11	1.31E-11	3.17E-10	1.75E-11	3.47619E-10	7.783E-06	5.8452E-05	0.000108	2.99386E-11	4.6191E-11	1.83918E-11	9.45863E-12
512	571230.6	4178559	0.55, 41785	1.44054	1.50665	192.87207	80.98435	29.09943	22.26218	9.47851E-08	6.23E-10	9.541E-08	1.269E-05	3.35E-08	1.272E-05	1.915E-06	1.20E-08	1.927E-06	2.94E-11	8.89E-11	5.15E-11	1.07E-11	2.59E-10	1.43E-11	2.84079E-10	6.361E-06	6.3621E-05	0.000128	2.44663E-11	3.7748E-11	1.503E-11	7.72973E-12
513	571270.6	4178559	0.55, 41785	1.19178	1.27042	167.21575	71.42327	22.32638	19.23301	7.84171E-08	5.25E-10	7.894E-08	1.1E-05	2.95E-08	1.103E-05	1.469E-06	9.23E-09	1.478E-06	2.44E-11	7.36E-11	4.26E-11	8.87E-12	2.14E-10	1.18E-11	2.35053E-10	5.263E-06	5.516E-05	9.86E-05	2.02439E-11	3.12334E-11	1.24361E-11	6.39573E-12
514	571310.6	4178559	0.55, 41785	1.01245	1.08581	169.23295	65.49002	26.6418	16.91234	6.66175E-08	4.49E-10	6.707E-08	1.114E-05	2.71E-08	1.116E-05	1.753E-06	1.10E-08	1.764E-06	2.07E-11	6.25E-11	3.62E-11	7.54E-12	1.82E-10	1E-11	1.99692E-10	4.471E-06	5.5812E-05	0.000118	1.71984E-11	2.65347E-11	1.05653E-11	5.43357E-12
515	571350.6	4178559	0.55, 41785	0.8838	0.94242	194.09519	63.64749	28.90026	14.99354	5.81526E-08	3.90E-10	5.854E-08	1.277E-05	2.63E-08	1.28E-05	1.902E-06	1.19E-08	1.914E-06	1.81E-11	5.45E-11	3.16E-11	6.58E-12	1.59E-10	8.77E-12	1.74311E-10	3.903E-06	6.3987E-05	0.000128	1.50125E-11	2.31621E-11	9.22241E-12	4.74295E-12
516	571390.6	4178559	0.55, 41785	0.78025	0.82372	158.10154	57.98385	23.81897	12.89204	5.13391E-08	3.41E-10	5.168E-08	1.04E-05	2.40E-08	1.043E-05	1.567E-06	9.85E-09	1.577E-06	1.59E-11	4.82E-11	2.79E-11	5.81E-12	1.4E-10	7.74E-12	1.53877E-10	3.445E-06	5.2134E-05	0.000105	1.32527E-11	2.0447E-11	8.14133E-12	4.18697E-12
517	571430.6	4178559	0.55, 41785	0.68512	0.72115	137.68904	52.2569	18.93914	11.62385	4.50797E-08	2.98E-10	4.538E-08	9.06E-06	2.16E-08	9.081E-06	1.246E-06	7.83E-09	1.254E-06	1.4E-11	4.23E-11	2.45E-11	5.1E-12	1.23E-10	6.8E-12	1.35114E-10	3.025E-06	4.5407E-05	8.36E-05	1.16366E-11	1.79537E-11	7.14858E-12	3.67641E-12
518	571470.6	4178559	0.55, 41785	0.60049	0.63425	143.56241	49.93475	19.90478	10.29716	3.95112E-08	2.62E-10	3.977E-08	9.446E-06	2.06E-08	9.467E-06	1.31E-06	8.23E-09	1.318E-06	1.23E-11	3.71E-11	2.15E-11	4.47E-12	1.08E-10	5.96E-12	1.18426E-10	2.652E-06	4.7334E-05	8.79E-05	1.01994E-11	1.57363E-11	6.26569E-12	3.22235E-12
519	571510.6	4178559	0.55, 41785	0.52736	0.56045	131.02036	47.72087	18.26486	8.99798	3.46994E-08	2.32E-10	3.493E-08	8.621E-06	1.97E-08	8.641E-06	1.202E-06	7.55E-09	1.209E-06	1.08E-11	3.25E-11	1.88E-11	3.93E-12	9.48E-11	5.23E-12	1.04008E-10	2.329E-06	4.3203E-05	8.06E-05	8.95768E-12	1.38204E-11	5.50285E-12	2.83004E-12
520	571550.6	4178559	0.55, 41785	0.46874	0.49944	99.50634	45.73793	14.05158	8.03042	3.08423E-08	2.07E-10	3.105E-08	6.547E-06	1.89E-08	6.566E-06	9.246E-07	5.81E-09	9.304E-07	9.58E-12	2.89E-11	1.67E-11	3.49E-12	8.43E-11	4.65E-12	9.24485E-11	2.07E-06	3.2831E-05	6.2E-05	7.96211E-12	1.22844E-11	4.89125E-12	2.5155E-12
521	571590.6	4178559	0.55, 41785	0.42104	0.44786	63.39282	43.98321	9.17705	7.35207	2.77037E-08	1.85E-10	2.789E-08	4.171E-06	1.82E-08	4.189E-06	6.038E-07	3.79E-09	6.076E-07	8.61E-12	2.6E-11	1.5E-11	3.14E-12	7.57E-11	4.18E-12	8.30398E-11	1.859E-06	2.0947E-05	4.05E-05	7.15179E-12	1.10342E-11	4.39346E-12	2.25949E-12
522	570310.6	4178599	0.55, 41785	0.10507	0.08466	83.25071	28.48032	11.19876	3.62883	6.91343E-09	3.50E-11	6.948E-09	5.478E-06	1.18E-08	5.49E-06	7.369E-07	4.63E-09	7.415E-07	2.14E-12	6.47E-12	3.75E-12	7.81E-13	1.89E-11	1.04E-12	2.06891E-11	4.632E-07	2.7448E-05	4.94E-05	1.78185E-12	2.74913E-12	1.09462E-12	5.62946E-13
523	570350.6	4178599	0.55, 41785	0.11716	0.09561	88.57329	30.33455	11.44069	3.79182	7.70893E-09	3.95E-11	7.748E-09	5.828E-06	1.25E-08	5.841E-06	7.528E-07	4.73E-09	7.575E-07	2.39E-12	7.22E-12	4.18E-12	8.71E-13	2.1E-11	1.16E-12	2.30712E-11	5.166E-07	2.9203E-05	5.05E-05	1.987E-12	3.06566E-12	1.22065E-12	6.27762E-13
524	570390.6	4178599	0.55, 41785	0.13131	0.10865	93.2639	32.45644	11.65799	4.05706	8.63998E-09	4.49E-11	8.685E-09	6.137E-06	1.34E-08	6.15E-06	7.671E-07	4.82E-09	7.719E-07	2.68E-12	8.09E-12	4.68E-12	9.76E-13	2.36E-11	1.3E-12	2.58595E-11	5.79E-07	3.075E-05	5.15E-05	2.22714E-12	3.43616E-12	1.36817E-12	7.0363E-13
525	570430.6	4178599	0.55, 41785	0.15022	0.126	103.53542	36.02365	12.94193	4.50296	9.88422E-09	5.21E-11	9.936E-09	6.812E-06	1.49E-08	6.827E-06	8.516E-07	5.35E-09	8.569E-07	3.07E-12	9.26E-12	5.36E-12	1.12E-12	2.7E-11	1.49E-12	2.95856E-11	6.624E-07	3.4137E-05	5.71E-05	2.54805E-12	3.93128E-12	1.56531E-12	8.05017E-13
526	570470.6	4178599	0.55, 41785	0.17421	0.14819	115.63183	39.91557	14.45398	5.34922	1.14627E-08	6.13E-11	1.152E-08	7.608E-06	1.65E-08	7.625E-06	9.51E-07	5.98E-09	9.57E-07	3.56E-12	1.07E-11	6.22E-12	1.3E-12	3.13E-11	1.73E-12	3.43129E-11	7.683E-07	3.8124E-05	6.38E-05	2.9552E-12	4.55944E-12	1.81542E-12	9.33647E-13
527	570510.6	4178599	0.55, 41785	0.20799	0.17912	128.15759	44.54205	16.0197	6.36274	1.36854E-08	7.41E-11	1.376E-08	8.433E-06	1.84E-08	8.451E-06	1.054E-06	6.62E-09	1.061E-06	4.25E-12	1.28E-11	7.42E-12	1.55E-12	3.74E-11	2.06E-12	4.0969E-11	9.173E-07	4.2255E-05	7.07E-05	3.52845E-12	5.4439E-12	2.16759E-12	1.11476E-12
528	570550.6	4178599	0.55, 41785	0.25382	0.22088	141.74172	51.90419	17.71771	7.41488	1.67009E-08	9.13E-11	1.679E-08	9.326E-06	2.15E-08	9.348E-06	1.166E-06	7.33E-09	1.173E-06	5.18E-12	1.56E-11	9.06E-12	1.89E-12	4.56E-11	2.52E-12	4.99993E-11	1.119E-06	4.6739E-05	7.82E-05	4.30618E-12	6.64382E-12	2.64536E-12	1.36047E-12
529	570590.6	4178599	0.55, 41785	0.31442	0.27626	161.8077	62.94071	20.22596	8.27119	2.06883E-08	1.14E-10	2.08E-08	1.065E-05	2.60E-08	1.067E-05	1.331E-06	8.36E-09	1.339E-06	6.42E-12	1.94E-11	1.12E-11	2.34E-12	5.65E-11	3.12E-12	6.194E-11	1.387E-06	5.3364E-05	8.93E-05	5.33457E-12	8.23048E-12	3.27711E-12	1.68537E-12
530	570630.6	4178599	0.55, 41785	0.39904	0.35395	187.04764	77.01967	23.38095	12.20463	2.62562E-08	1.46E-10	2.64E-08	1.231E-05	3.18E-08	1.234E-05	1.538E-06	9.67E-09	1.548E-06	8.15E-12	2.46E-11	1.42E-11	2.97E-12	7.17E-11	3.95E-12	7.8614E-11	1.76E-06	6.1696E-05	0.000103	6.77062E-12	1.04461E-11	4.1593E-12	2.13907E-12
531	570670.6	4178599	0.55, 41785	0.52025	0.46779	203.91154	89.67976	27.18561	17.16092	3.42316E-08	1.93E-10	3.442E-08	1.342E-05	3.71E-08	1.345E-05	1.789E-06	1.12E-08	1.8E-06	1.06E-11	3.21E-11	1.86E-11	3.87E-12	9.35E-11	5.16E-12	1.02501E-10	2.295E-06	6.7271E-05	0.00012	8.82789E-12	1.36202E-11	5.42312E-12	2.78903E-12
532	570710.6	4178599	0.55, 41785	0.68748	0.63563	226.5911	101.22552	32.37016	22.387	4.5235E-08	2.63E-10	4.55E-08	1.491E-05	4.19E-08	1.495E-05	2.13E-06	1.34E-08	2.143E-06	1.4E-11	4.24E-11	2.45E-11	5.11E-12	1.24E-10	6.82E-12	1.35471E-10	3.033E-06	7.4756E-05	0.000143	1.16674E-11	1.80011E-11	7.16747E-12	3.68613E-12
533	570750.6	4178599	0.55, 41785	0.91976	0.89022	243.41497	114.05895	34.77357	31.00996	6.05187E-08	3.68E-10	6.089E-08	1.602E-05	4.72E-08	1.606E-05	2.288E-06	1.44E-08	2.302E-06	1.88E-11	5.67E-11	3.28E-11	6.84E-12	1.65E-10	9.12E-12	1.81292E-10	4.059E-06	8.0317E-05	0.000153	1.56137E-11	2.40897E-11	9.59175E-12	4.9329E-12
534	570790.6	4178599	0.55, 41785	1.20615	1.22781	261.32328	130.44037	39.31654	39.06207	7.93627E-08	5.08E-10	7.987E-08	1.719E-05	5.39E-08	1.725E-05	2.587E-06	1.63E-08	2.603E-06	2.46E-11	7.44E-11	4.31E-11	8.98E-12	2.17E-10	1.2E-11	2.37815E-10	5.325E-06	8.6243E-05	0.000174	2.04818E-11	3.16005E-11	1.25823E-11	6.4709E-12
535	570830.6	4178599	0.55, 41785	1.86035	2.06593	307.79075	158.37727	57.33573	51.17396	1.22408E-07	8.54E-10	1.233E-07	2.025E-05	6.55E-08	2.032E-05	3.773E-06	2.37E-08	3.796E-06	3.8E-11	1.15E-10	6.65E-11	1.39E-11	3.35E-10	1.85E-11	3.67015E-10	8.217E-06	0.00010159	0.000253	3.16091E-11	4.87684E-11	1.9418E-11	9.9864E-12
536	570870.6	4178599	0.55, 41785	2.81953	3.8452	429.66876	238.19724	77.96533	87.47681	1.8552E-07	1.59E-09	1.871E-07	2.827E-05	9.85E-08	2.837E-05	5.13E-06	3.22E-08	5.162E-06	5.77E-11	1.74E-10	1.01E-10	2.1E-11	5.08E-10	2.8E-11	5.57124E-10	1.247E-05	0.00014185	0.000344	4.79822E-11	7.40297E-11	2.94763E-11	1.51592E-11
537	570910.6	4178599	0.55, 41785	4.21414	6.38342	555.65098	273.48442	124.98504	103.73159	2.77283E-07	2.64E-09	2.799E-07	3.656E-05	1.13E-07	3.667E-05	8.224E-06	5.17E-08	8.275E-06	8.64E-11	2.61E-10	1.51E-10	3.15E-11	7.6E-10	4.19E-11	8.33475E-10	1.866E-05	0.00018337	0.000552	7.17829E-11	1.10751E-10	4.40974E-11	2.26787E-11
538	570950.6	4178599	0.55, 41785	4.59898	4.54538	563.80012	195.03038	96.52509	58.5202	3.02605E-07	1.88E-09	3.045E-07	3.71E-05	8.06E-08	3.718E-05	6.351E-06	3.99E-08	6.391E-06	9.4E-11	2.84E-10	1.64E-10	3.42E-11	8.27E-10	4.56E-11	9.06609E-10	2.03E-05	0.00018589	0.000426	7.80815E-11	1.20469E-10	4.79667E-11	2.46686E-11
539	570990.6	4178599	0.55, 41785	3.82228	3.4158	387.45867	157.86758	74.93195	45.58999	2.515E-07	1.41E-09	2.529E-07	2.549E-05	6.53E-08	2.556E-05	4.93E-06	3.10E-08	4.961E-06	7.8E-11	2.36E-10	1.36E-10	2.84E-11	6.87E-10	3.79E-11	7.5305E-10	1.686E-05	0.0001278	0.000331	6.48563E-11	1.00064E-10	3.98423E-11	2.04903E-11
540	571030.6	4178599	0.55, 41785	3.02247	2.69987	442.17309	124.03841	67.82636	38.72372	1.98873E-07	1.12E-09	2E-07	2.909E-05	5.13E-08	2.915E-05	4.463E-06	2.80E-08	4.491E-06	6.17E-11	1.86E-10	1.08E-10	2.25E-11	5.43E-10	3E-11	5.95474E-10	1.333E-05	0.00014573	0.000299	5.12851E-11	7.91255E-11	3.15052E-11	1.62027E-11
541	571070.6	4178599	0.55, 41785	2.43201	2.20804	323.32852	105.96293	49.87717	32.54487	1.60022E-07	9.13E-10	1.609E-07	2.127E-05	4.38E-08	2.132E-05	3.282E-06	2.06E-08	3.302E-06	4.97E-11	1.5E-10	8.68E-11	1.81E-11	4.37E-10	2.41E-11	4.79188E-10	1.073E-05	0.00010659	0.00022	4.12699E-11	6.36736E-11	2.53528E-11	1.30386E-11
542	571110.6	4178599	0.55, 41785	1.9361	1.83698	285.52756	89.63178	42.26506	28.59229	1.27392E-07	7.60E-10	1.282E-07	1.879E-05	3.71E-08	1.882E-05	2.781E-06	1.75E-08	2.798E-06	3.95E-11	1.19E-10	6.91E-11	1.44E-11	3.48E-10	1.92E-11	3.81574E-10	8.543E-06	9.4121E-05	0.000187	3.2863E-11	5.07029E-11	2.01883E-11	1.03825E-11
543	571150.6	4178599	0.55, 41785	1.58315	1.55537	182.41041	88.91432	29.75311	25.20352	1.04169E-07	6.43E-10	1.048E-07	1.2E-05	3.68E-08	1.204E-05	1.958E-06	1.23E-08	1.97E-06	3.23E-11	9.77E-11	5.65E-11	1.18E-11	2.85E-10	1.57E-11	3.12079E-10	6.987E-06	6.0195E-05	0.000131	2.68777E-11	4.14685E-11	1.65114E-11	8.4916E-12
544	571190.6	4178599	0.55, 41785	1.33739	1.33597	189.26194	77.8274	24.55337	21.99349	8.7998E-08	5.52E-10	8.855E-08	1.245E-05	3.22E-08	1.249E-05	1.616E-06	1.02E-08	1.626E-06	2.73E-11	8.25E-11	4.78E-11	9.95E-12	2.4E-10	1.33E-11	2.63661E-10	5.903E-06	6.2426E-05	0.000108	2.27077E-11	3.50348E-11	1.39497E-11	7.17414E-12
545	571230.6	4178599	0.55, 41785	1.14183	1.1549	177.02423	70.01737	25.42204	18.83046	7.51305E-08	4.78E-10	7.561E-08	1.165E-05	2.90E-08	1.168E-05	1.673E-06	1.05E-08	1.683E-06	2.33E-11	7.04E-11	4.08E-11	8.5E-12	2.05E-10	1.13E-11	2.25124E-10	5.041E-06	5.8384E-05	0.000112	1.93888E-11	2.99141E-11	1.19109E-11	6.12558E-12
546	571270.6	4178599	0.55, 41785	0.97959	1.00523	160.46118	68.49541	22.92303	16.81937	6.44554E-08	4.16E-10	6.487E-08	1.056E-05	2.83E-08	1.059E-05	1.508E-06	9.48E-09	1.518E-06	2E-11	6.04E-11	3.5E-11	7.29E-12	1.76E-10	9.72E-12	1.93155E-10	4.325E-06	5.2932E-05	0.000101	1.66354E-11	2.56661E-11	1.02194E-11	5.2557E-12
547	571310.6	4178599	0.55, 41785	0.84011	0.87488	131.92842	62.86665	16.49105	15.16442	5.52778E-08	3.62E-10	5.564E-08	8.681E-06	2.60E-08	8.707E-06	1.085E-06	6.82E-09	1.092E-06	1.72E-11	5.18E-11	3E-11	6.25E-12	1.51E-10	8.33E-12	1.65668E-10	3.709E-06	4.3533E-05	7.28E-05	1.42681E-11	2.20137E-11	8.76514E-12	4.50779E-12
548	571350.6	4178599	0.55, 41785	0.73896	0.77159	149.85158	58.69155	22.55392	13.49962	4.86223E-08	3.19E-10	4.894E-08	9.86E-06	2.43E-08	9.884E-06	1.484E-06	9.33E-09	1.493E-06	1.51E-11	4.56E-11	2.64E-11	5.5E-12	1.33E-10	7.33E-12	1.45724E-10	3.263E-06	4.9421E-05	9.96E-05	1.25504E-11	1.93635E-11	7.70994E-12	3.96511E-12
549	571390.6	4178599	0.55, 41785	0.661	0.68563	168.50279	56.32456	24.41155	12.10471	4.34927E-08	2.83E-10	4.378E-08	1.109E-05	2.33E-08	1.111E-05	1.606E-06	1.01E-08	1.616E-06	1.35E-11	4.08E-11	2.36E-11	4.92E-12	1.19E-10	6.56E-12	1.30344E-10	2.918E-06	5.5552E-05	0.000108	1.12259E-11	1.73199E-11	6.89625E-12	3.54664E-12
550	571430.6	4178599	0.55, 41785	0.59511	0.61204	136.17098	51.76249	20.03651	10.61326	3.91572E-08	2.53E-10	3.941E-08	8.96E-06	2.14E-08	8.981E-06	1.318E-06	8.28E-09	1.327E-06	1.22E-11	3.67E-11	2.13E-11	4.43E-12	1.07E-10	5.9E-12	1.17345E-10	2.627E-06	4.4906E-05	8.84E-05	1.01063E-11	1.55926E-11	6.20847E-12	3.19293E-12
551	571470.6	4178599	0.55, 41785	0.53051	0.54561	117.9441	47.17442	16.84916	9.40387	3.49067E-08	2.26E-10	3.513E-08	7.761E-06	1.95E-08	7.78E-06	1.109E-06	6.97E-09	1.116E-06	1.08E-11	3.27E-11	1.89E-11	3.95E-12	9.54E-11	5.26E-12	1.04607E-10	2.342E-06	3.89E-05	7.44E-05	9.00926E-12	1.39E-11	5.53453E-12	2.84633E-12
552	571510.6	4178599	0.55, 41785	0.47218	0.48877	120.07824	45.51387	16.38718	8.49605	3.10687E-08	2.02E-10	3.127E-08	7.901E-06	1.88E-08	7.92E-06	1.078E-06	6.78E-09	1.085E-06	9.65E-12	2.91E-11	1.69E-11	3.52E-12	8.49E-11	4.68E-12	9.31093E-11	2.085E-06	3.9599E-05	7.23E-05	8.01902E-12	1.23722E-11	4.92621E-12	2.53348E-12
553	571550.6	4178599	0.55, 41785	0.42043	0.43954	119.99429	43.92883	16.43506	7.56489	2.76636E-08	1.82E-10	2.785E-08	7.895E-06	1.82E-08	7.914E-06	1.081E-06	6.80E-09	1.088E-06	8.59E-12	2.59E-11	1.5E-11	3.13E-12	7.56E-11	4.17E-12	8.291E-11	1.856E-06	3.9568E-05	7.25E-05	7.14061E-12	1.10169E-11	4.38659E-12	2.25596E-12
554	571590.6	4178599	0.55, 41785	0.37632	0.39688	100.33698	42.40478	13.86046	7.00095	2.47612E-08	1.64E-10	2.493E-08	6.602E-06	1.75E-08	6.62E-06	9.12E-07	5.73E-09	9.177E-07	7.69E-12	2.32E-11	1.34E-11	2.8E-12	6.77E-11	3.73E-12	7.42156E-11	1.662E-06	3.3098E-05	6.12E-05	6.39181E-12	9.86165E-12	3.92659E-12	2.01939E-12
555	570310.6	4178639	0.55, 41786	0.10356	0.08559	83.92303	29.66661	10.49038	3.70833	6.81407E-09	3.54E-11	6.849E-09	5.522E-06	1.23E-08	5.534E-06	6.902E-07	4.34E-09	6.946E-07	2.11E-12	6.38E-12	3.69E-12	7.7E-13	1.86E-11	1.03E-12	2.03944E-11	4.566E-07	2.7671E-05	4.63E-05	1.75647E-12	2.70997E-12	1.07903E-12	5.54927E-13
556	570350.6	4178639	0.55, 41786	0.1161	0.09716	92.63397	32.60646	11.57925	4.08084	7.63919E-09	4.02E-11	7.679E-09	6.095E-06	1.35E-08	6.109E-06	7.619E-07	4.79E-09	7.667E-07	2.37E-12	7.16E-12	4.14E-12	8.63E-13	2.09E-11	1.15E-12	2.28654E-11	5.12E-07	3.0543E-05	5.11E-05	1.96928E-12	3.03832E-12	1.20976E-12	6.22163E-13
557	570390.6	4178639	0.55, 41786	0.13068	0.11086	100.54346	34.97331	12.56793	4.70976	8.59853E-09	4.58E-11	8.644E-09	6.616E-06	1.45E-08	6.63E-06	8.269E-07	5.20E-09	8.321E-07	2.67E-12	8.05E-12	4.66E-12	9.72E-13	2.35E-11	1.29E-12	2.57388E-11	5.763E-07	3.315E-05	5.55E-05	2.21675E-12	3.42012E-12	1.36178E-12	7.00346E-13
558	570430.6	4178639	0.55, 41786	0.14929	0.12834	107.49924	37.52244	13.4374	5.36035	9.82303E-09	5.31E-11	9.876E-09	7.073E-06	1.55E-08	7.089E-06	8.842E-07	5.56E-09	8.897E-07	3.05E-12	9.2E-12	5.33E-12	1.11E-12	2.68E-11	1.48E-12	2.94063E-11	6.584E-07	3.5444E-05	5.93E-05	2.53261E-12	3.90746E-12	1.55582E-12	8.00138E-13
559	570470.6	4178639	0.55, 41786	0.17443	0.15183	116.62505	42.4162	14.57813	6.05946	1.14772E-08	6.28E-11	1.154E-08	7.674E-06	1.75E-08	7.691E-06	9.592E-07	6.03E-09	9.652E-07	3.56E-12	1.08E-11	6.22E-12	1.3E-12	3.13E-11	1.73E-12	3.43605E-11	7.693E-07	3.8456E-05	6.43E-05	2.95929E-12	4.56577E-12	1.81794E-12	9.34942E-13
560	570510.6	4178639	0.55, 41786	0.20768	0.18277	127.00459	48.18252	15.87557	6.71257	1.3665E-08	7.56E-11	1.374E-08	8.357E-06	1.99E-08	8.377E-06	1.045E-06	6.56E-09	1.051E-06	4.24E-12	1.28E-11	7.41E-12	1.54E-12	3.73E-11	2.06E-12	4.09128E-11	9.16E-07	4.1883E-05	7.01E-05	3.52361E-12	5.43642E-12	2.16461E-12	1.11323E-12
561	570550.6	4178639	0.55, 41786	0.2504	0.22269	148.76746	59.99627	18.59593	7.58374	1.64759E-08	9.21E-11	1.657E-08	9.789E-06	2.48E-08	9.813E-06	1.224E-06	7.69E-09	1.231E-06	5.11E-12	1.54E-11	8.94E-12	1.86E-12	4.5E-11	2.48E-12	4.93315E-11	1.105E-06	4.9067E-05	8.21E-05	4.24866E-12	6.55508E-12	2.61002E-12	1.3423E-12
562	570590.6	4178639	0.55, 41786	0.30521	0.27478	162.38276	69.4472	20.29784	10.74133	2.00823E-08	1.14E-10	2.02E-08	1.068E-05	2.87E-08	1.071E-05	1.336E-06	8.39E-09	1.344E-06	6.23E-12	1.88E-11	1.09E-11	2.27E-12	5.48E-11	3.03E-12	6.01338E-11	1.346E-06	5.3566E-05	8.96E-05	5.17901E-12	7.99047E-12	3.18155E-12	1.63623E-12
563	570630.6	4178639	0.55, 41786	0.37839	0.34592	177.15033	78.68271	23.7109	14.16715	2.48974E-08	1.43E-10	2.504E-08	1.166E-05	3.25E-08	1.169E-05	1.56E-06	9.80E-09	1.57E-06	7.73E-12	2.33E-11	1.35E-11	2.81E-12	6.8E-11	3.75E-12	7.45585E-11	1.669E-06	5.8444E-05	0.000105	6.42133E-12	9.9072E-12	3.94473E-12	2.02872E-12
564	570670.6	4178639	0.55, 41786	0.47152	0.44129	194.04584	86.02037	27.72083	17.24466	3.10252E-08	1.82E-10	3.121E-08	1.277E-05	3.56E-08	1.28E-05	1.824E-06	1.15E-08	1.835E-06	9.63E-12	2.91E-11	1.68E-11	3.51E-12	8.47E-11	4.67E-12	9.29215E-11	2.081E-06	6.4017E-05	0.000122	8.00285E-12	1.23473E-11	4.91628E-12	2.52837E-12
565	570710.6	4178639	0.55, 41786	0.59058	0.57043	207.44684	93.90742	29.63526	21.88085	3.88592E-08	2.36E-10	3.91E-08	1.365E-05	3.88E-08	1.369E-05	1.95E-06	1.23E-08	1.962E-06	1.21E-11	3.64E-11	2.11E-11	4.39E-12	1.06E-10	5.86E-12	1.16406E-10	2.606E-06	6.8442E-05	0.000131	1.00255E-11	1.54679E-11	6.15881E-12	3.16739E-12
566	570750.6	4178639	0.55, 41786	0.7421	0.74424	219.27007	107.04803	31.3243	27.05481	4.88289E-08	3.08E-10	4.914E-08	1.443E-05	4.43E-08	1.447E-05	2.061E-06	1.30E-08	2.074E-06	1.52E-11	4.58E-11	2.65E-11	5.52E-12	1.33E-10	7.36E-12	1.46305E-10	3.276E-06	7.2359E-05	0.000138	1.26005E-11	1.94408E-11	7.74071E-12	3.98094E-12
567	570790.6	4178639	0.55, 41786	0.94425	0.97087	237.37937	117.94026	33.01145	30.70173	6.21301E-08	4.01E-10	6.253E-08	1.562E-05	4.88E-08	1.567E-05	2.172E-06	1.36E-08	2.186E-06	1.93E-11	5.83E-11	3.37E-11	7.03E-12	1.7E-10	9.37E-12	1.86189E-10	4.169E-06	7.834E-05	0.000146	1.60355E-11	2.47404E-11	9.85085E-12	5.06615E-12
568	570830.6	4178639	0.55, 41786	1.23329	1.33292	295.25944	130.22679	42.69044	39.99654	8.11484E-08	5.51E-10	8.17E-08	1.943E-05	5.38E-08	1.948E-05	2.809E-06	1.77E-08	2.827E-06	2.52E-11	7.61E-11	4.41E-11	9.18E-12	2.22E-10	1.22E-11	2.43262E-10	5.447E-06	9.7407E-05	0.000188	2.09509E-11	3.23242E-11	1.28705E-11	6.6191E-12
569	570870.6	4178639	0.55, 41786	1.50989	1.73214	317.24906	188.19869	58.25942	53.82297	9.93482E-08	7.16E-10	1.001E-07	2.087E-05	7.78E-08	2.095E-05	3.833E-06	2.41E-08	3.857E-06	3.09E-11	9.32E-11	5.4E-11	1.12E-11	2.72E-10	1.5E-11	2.97944E-10	6.671E-06	0.00010476	0.000257	2.56604E-11	3.95903E-11	1.57636E-11	8.10698E-12
570	570910.6	4178639	0.55, 41786	1.78259	1.99297	332.58479	179.86407	63.94152	52.98497	1.17291E-07	8.24E-10	1.181E-07	2.188E-05	7.44E-08	2.196E-05	4.207E-06	2.64E-08	4.234E-06	3.64E-11	1.1E-10	6.37E-11	1.33E-11	3.21E-10	1.77E-11	3.51691E-10	7.874E-06	0.00010979	0.000282	3.02893E-11	4.67321E-11	1.86072E-11	9.56943E-12
571	570950.6	4178639	0.55, 41786	1.86524	1.94862	326.77204	147.92341	57.64661	41.4452	1.2273E-07	8.06E-10	1.235E-07	2.15E-05	6.12E-08	2.156E-05	3.793E-06	2.38E-08	3.817E-06	3.81E-11	1.15E-10	6.66E-11	1.39E-11	3.35E-10	1.85E-11	3.67829E-10	8.236E-06	0.00010781	0.000254	3.16792E-11	4.88765E-11	1.94611E-11	1.00085E-11
572	570990.6	4178639	0.55, 41786	1.76592	1.78245	311.73236	122.31574	43.80696	33.57582	1.16195E-07	7.37E-10	1.169E-07	2.051E-05	5.06E-08	2.056E-05	2.882E-06	1.81E-08	2.901E-06	3.61E-11	1.09E-10	6.31E-11	1.31E-11	3.18E-10	1.75E-11	3.48166E-10	7.795E-06	0.00010281	0.000193	2.99857E-11	4.62637E-11	1.84207E-11	9.47352E-12
573	571030.6	4178639	0.55, 41786	1.5977	1.58915	263.38378	106.70114	40.88022	26.80487	1.05126E-07	6.57E-10	1.058E-07	1.733E-05	4.41E-08	1.737E-05	2.69E-06	1.69E-08	2.707E-06	3.26E-11	9.86E-11	5.71E-11	1.19E-11	2.87E-10	1.58E-11	3.14971E-10	7.052E-06	8.6872E-05	0.00018	2.71268E-11	4.18528E-11	1.66645E-11	8.57029E-12
574	571070.6	4178639	0.55, 41786	1.42629	1.41473	323.91584	92.06505	44.84431	24.93328	9.38475E-08	5.85E-10	9.443E-08	2.131E-05	3.81E-08	2.135E-05	2.951E-06	1.85E-08	2.969E-06	2.91E-11	8.8E-11	5.09E-11	1.06E-11	2.56E-10	1.41E-11	2.81174E-10	6.295E-06	0.00010676	0.000198	2.42161E-11	3.7362E-11	1.48763E-11	7.65069E-12
575	571110.6	4178639	0.55, 41786	1.27265	1.25146	231.49813	85.11921	34.4516	22.95032	8.37382E-08	5.17E-10	8.426E-08	1.523E-05	3.52E-08	1.527E-05	2.267E-06	1.42E-08	2.281E-06	2.6E-11	7.85E-11	4.54E-11	9.47E-12	2.29E-10	1.26E-11	2.50873E-10	5.617E-06	7.6337E-05	0.000152	2.16064E-11	3.33356E-11	1.32732E-11	6.82619E-12
576	571150.6	4178639	0.55, 41786	1.10067	1.1079	235.36335	78.49538	33.92291	20.75102	7.24222E-08	4.58E-10	7.288E-08	1.549E-05	3.25E-08	1.552E-05	2.232E-06	1.40E-08	2.246E-06	2.25E-11	6.79E-11	3.93E-11	8.19E-12	1.98E-10	1.09E-11	2.17003E-10	4.859E-06	7.7595E-05	0.00015	1.86893E-11	2.88349E-11	1.14811E-11	5.90459E-12
577	571190.6	4178639	0.55, 41786	0.96404	0.98605	150.10185	73.9658	22.00887	18.66835	6.34322E-08	4.08E-10	6.384E-08	9.876E-06	3.06E-08	9.907E-06	1.448E-06	9.10E-09	1.457E-06	1.97E-11	5.95E-11	3.44E-11	7.18E-12	1.73E-10	9.56E-12	1.90085E-10	4.256E-06	4.9535E-05	9.71E-05	1.6371E-11	2.52581E-11	1.0057E-11	5.17216E-12
578	571230.6	4178639	0.55, 41786	0.85847	0.87787	130.71922	65.23747	20.98447	16.26127	5.64859E-08	3.63E-10	5.685E-08	8.601E-06	2.70E-08	8.628E-06	1.381E-06	8.68E-09	1.389E-06	1.75E-11	5.3E-11	3.07E-11	6.39E-12	1.54E-10	8.52E-12	1.69269E-10	3.79E-06	4.314E-05	9.26E-05	1.45782E-11	2.24921E-11	8.95564E-12	4.60576E-12
579	571270.6	4178639	0.55, 41786	0.76521	0.78388	147.71702	61.52416	22.46264	14.29709	5.03495E-08	3.24E-10	5.067E-08	9.72E-06	2.54E-08	9.745E-06	1.478E-06	9.29E-09	1.487E-06	1.56E-11	4.72E-11	2.73E-11	5.7E-12	1.38E-10	7.59E-12	1.50882E-10	3.378E-06	4.8725E-05	9.92E-05	1.29947E-11	2.00489E-11	7.98284E-12	4.10546E-12
580	571310.6	4178639	0.55, 41786	0.67814	0.70066	136.41117	59.8434	17.34958	13.40052	4.46205E-08	2.90E-10	4.491E-08	8.976E-06	2.47E-08	9E-06	1.142E-06	7.17E-09	1.149E-06	1.39E-11	4.18E-11	2.42E-11	5.05E-12	1.22E-10	6.73E-12	1.33721E-10	2.994E-06	4.5002E-05	7.66E-05	1.15167E-11	1.77686E-11	7.07489E-12	3.63852E-12
581	571350.6	4178639	0.55, 41786	0.60279	0.6273	124.67819	56.4143	15.58477	12.33978	3.96626E-08	2.59E-10	3.992E-08	8.204E-06	2.33E-08	8.227E-06	1.025E-06	6.44E-09	1.032E-06	1.23E-11	3.72E-11	2.15E-11	4.49E-12	1.08E-10	5.98E-12	1.18868E-10	2.661E-06	4.1135E-05	6.88E-05	1.02375E-11	1.5795E-11	6.28907E-12	3.23438E-12
582	571390.6	4178639	0.55, 41786	0.54567	0.56561	134.64293	53.30447	19.4501	11.04071	3.59042E-08	2.34E-10	3.614E-08	8.859E-06	2.20E-08	8.881E-06	1.28E-06	8.04E-09	1.288E-06	1.12E-11	3.37E-11	1.95E-11	4.06E-12	9.81E-11	5.41E-12	1.07602E-10	2.409E-06	4.4407E-05	8.59E-05	9.26718E-12	1.42979E-11	5.69298E-12	2.92782E-12
583	571430.6	4178639	0.55, 41786	0.50035	0.51255	147.79016	50.85435	20.77571	9.97795	3.29222E-08	2.12E-10	3.313E-08	9.724E-06	2.10E-08	9.745E-06	1.367E-06	8.59E-09	1.376E-06	1.02E-11	3.09E-11	1.79E-11	3.72E-12	9E-11	4.96E-12	9.86575E-11	2.209E-06	4.8727E-05	9.17E-05	8.49686E-12	1.31094E-11	5.21976E-12	2.68445E-12
584	571470.6	4178639	0.55, 41786	0.45884	0.46513	118.76181	47.03177	16.94782	8.9119	3.01909E-08	1.92E-10	3.038E-08	7.814E-06	1.94E-08	7.834E-06	1.115E-06	7.01E-09	1.122E-06	9.38E-12	2.83E-11	1.64E-11	3.42E-12	8.25E-11	4.55E-12	9.04666E-11	2.026E-06	3.9169E-05	7.48E-05	7.79142E-12	1.20211E-11	4.7864E-12	2.46158E-12
585	571510.6	4178639	0.55, 41786	0.41516	0.4204	105.04191	43.02213	15.00599	7.61313	2.73168E-08	1.74E-10	2.749E-08	6.912E-06	1.78E-08	6.929E-06	9.874E-07	6.20E-09	9.936E-07	8.48E-12	2.56E-11	1.48E-11	3.09E-12	7.46E-11	4.12E-12	8.1854E-11	1.833E-06	3.4647E-05	6.62E-05	7.04966E-12	1.08766E-11	4.33072E-12	2.22723E-12
586	571550.6	4178639	0.55, 41786	0.37489	0.38245	101.59712	41.64808	13.25702	7.0054	2.46671E-08	1.58E-10	2.483E-08	6.685E-06	1.72E-08	6.702E-06	8.723E-07	5.48E-09	8.778E-07	7.66E-12	2.31E-11	1.34E-11	2.79E-12	6.74E-11	3.72E-12	7.39177E-11	1.655E-06	3.3511E-05	5.85E-05	6.36615E-12	9.82206E-12	3.91083E-12	2.01128E-12
587	571590.6	4178639	0.55, 41786	0.33863	0.34937	106.83121	40.48294	14.45913	6.53587	2.22813E-08	1.44E-10	2.243E-08	7.029E-06	1.67E-08	7.046E-06	9.514E-07	5.98E-09	9.574E-07	6.92E-12	2.09E-11	1.21E-11	2.52E-12	6.09E-11	3.36E-12	6.67731E-11	1.495E-06	3.523E-05	6.38E-05	5.75082E-12	8.87269E-12	3.53282E-12	1.81688E-12
588	570310.6	4178679	0.55, 41786	0.10291	0.0869	88.39628	30.98258	11.04953	4.21243	6.77131E-09	3.59E-11	6.807E-09	5.816E-06	1.28E-08	5.829E-06	7.27E-07	4.57E-09	7.316E-07	2.1E-12	6.34E-12	3.67E-12	7.65E-13	1.85E-11	1.02E-12	2.02687E-11	4.538E-07	2.9146E-05	4.88E-05	1.74564E-12	2.69327E-12	1.07237E-12	5.51506E-13
589	570350.6	4178679	0.55, 41786	0.11574	0.09888	93.23081	33.32166	11.65385	4.76024	7.6155E-09	4.09E-11	7.656E-09	6.134E-06	1.38E-08	6.148E-06	7.668E-07	4.82E-09	7.716E-07	2.36E-12	7.13E-12	4.13E-12	8.61E-13	2.08E-11	1.15E-12	2.2797E-11	5.104E-07	3.0741E-05	5.14E-05	1.96339E-12	3.02923E-12	1.20614E-12	6.20302E-13
590	570390.6	4178679	0.55, 41786	0.13137	0.11361	99.39798	36.831	12.42475	5.26157	8.64393E-09	4.70E-11	8.691E-09	6.54E-06	1.52E-08	6.555E-06	8.175E-07	5.14E-09	8.227E-07	2.68E-12	8.1E-12	4.69E-12	9.77E-13	2.36E-11	1.3E-12	2.58773E-11	5.794E-07	3.2777E-05	5.48E-05	2.22868E-12	3.43854E-12	1.36911E-12	7.04116E-13
591	570430.6	4178679	0.55, 41786	0.15074	0.13191	105.99103	39.73692	13.24888	5.6767	9.91844E-09	5.45E-11	9.973E-09	6.974E-06	1.64E-08	6.99E-06	8.718E-07	5.48E-09	8.772E-07	3.08E-12	9.29E-12	5.38E-12	1.12E-12	2.71E-11	1.49E-12	2.96947E-11	6.649E-07	3.4952E-05	5.85E-05	2.55745E-12	3.94579E-12	1.57109E-12	8.07987E-13
592	570470.6	4178679	0.55, 41786	0.17494	0.15487	121.69462	47.75873	15.21183	5.96984	1.15108E-08	6.40E-11	1.157E-08	8.007E-06	1.97E-08	8.027E-06	1.001E-06	6.29E-09	1.007E-06	3.57E-12	1.08E-11	6.24E-12	1.3E-12	3.14E-11	1.73E-12	3.44642E-11	7.717E-07	4.0135E-05	6.71E-05	2.96822E-12	4.57954E-12	1.82343E-12	9.37762E-13
593	570510.6	4178679	0.55, 41786	0.2057	0.18414	135.37794	56.46386	16.92224	7.12807	1.35347E-08	7.61E-11	1.361E-08	8.908E-06	2.33E-08	8.931E-06	1.113E-06	7.00E-09	1.12E-06	4.2E-12	1.27E-11	7.34E-12	1.53E-12	3.7E-11	2.04E-12	4.05266E-11	9.074E-07	4.4655E-05	7.47E-05	3.49034E-12	5.3851E-12	2.14418E-12	1.10272E-12
594	570550.6	4178679	0.55, 41786	0.2434	0.22078	142.10791	62.60325	17.76349	9.55219	1.60153E-08	9.13E-11	1.611E-08	9.35E-06	2.59E-08	9.376E-06	1.169E-06	7.34E-09	1.176E-06	4.97E-12	1.5E-11	8.69E-12	1.81E-12	4.37E-11	2.41E-12	4.79577E-11	1.074E-06	4.6882E-05	7.84E-05	4.13035E-12	6.37254E-12	2.53734E-12	1.30492E-12
595	570590.6	4178679	0.55, 41786	0.29132	0.2684	157.44437	70.02377	21.20731	12.01595	1.91684E-08	1.11E-10	1.928E-08	1.036E-05	2.90E-08	1.039E-05	1.395E-06	8.77E-09	1.404E-06	5.95E-12	1.8E-11	1.04E-11	2.17E-12	5.23E-11	2.89E-12	5.74046E-11	1.285E-06	5.1943E-05	9.36E-05	4.94396E-12	7.62783E-12	3.03716E-12	1.56197E-12
596	570630.6	4178679	0.55, 41786	0.34871	0.32823	170.78411	74.6949	24.39773	14.09383	2.29445E-08	1.36E-10	2.308E-08	1.124E-05	3.09E-08	1.127E-05	1.605E-06	1.01E-08	1.615E-06	7.12E-12	2.15E-11	1.24E-11	2.59E-12	6.27E-11	3.46E-12	6.87219E-11	1.539E-06	5.6341E-05	0.000108	5.91866E-12	9.13165E-12	3.63593E-12	1.86991E-12
597	570670.6	4178679	0.55, 41786	0.41782	0.40379	181.29369	80.27499	25.8991	15.99045	2.74919E-08	1.67E-10	2.766E-08	1.193E-05	3.32E-08	1.196E-05	1.704E-06	1.07E-08	1.715E-06	8.53E-12	2.58E-11	1.49E-11	3.11E-12	7.51E-11	4.14E-12	8.23547E-11	1.844E-06	5.981E-05	0.000114	7.09278E-12	1.09431E-11	4.35721E-12	2.24085E-12
598	570710.6	4178679	0.55, 41786	0.49876	0.49687	185.88712	90.92914	26.5553	19.21501	3.28176E-08	2.05E-10	3.302E-08	1.223E-05	3.76E-08	1.227E-05	1.747E-06	1.10E-08	1.758E-06	1.02E-11	3.08E-11	1.78E-11	3.71E-12	8.97E-11	4.95E-12	9.83267E-11	2.202E-06	6.1343E-05	0.000117	8.46837E-12	1.30655E-11	5.20226E-12	2.67545E-12
599	570750.6	4178679	0.55, 41786	0.59336	0.60818	195.07014	97.11431	27.40212	20.89244	3.90421E-08	2.51E-10	3.929E-08	1.284E-05	4.02E-08	1.288E-05	1.803E-06	1.13E-08	1.814E-06	1.21E-11	3.66E-11	2.12E-11	4.42E-12	1.07E-10	5.89E-12	1.16997E-10	2.62E-06	6.4377E-05	0.000121	1.00764E-11	1.55464E-11	6.19008E-12	3.18347E-12
600	570790.6	4178679	0.55, 41786	0.71288	0.74367	232.56486	100.08812	29.70634	25.09865	4.69063E-08	3.07E-10	4.721E-08	1.53E-05	4.14E-08	1.534E-05	1.955E-06	1.23E-08	1.967E-06	1.46E-11	4.4E-11	2.55E-11	5.31E-12	1.28E-10	7.07E-12	1.4058E-10	3.148E-06	7.6719E-05	0.000131	1.21074E-11	1.868E-11	7.43779E-12	3.82515E-12
601	570830.6	4178679	0.55, 41786	0.82835	0.8948	250.25968	113.32691	36.36599	33.16876	5.4504E-08	3.70E-10	5.487E-08	1.647E-05	4.69E-08	1.651E-05	2.393E-06	1.50E-08	2.408E-06	1.69E-11	5.11E-11	2.96E-11	6.17E-12	1.49E-10	8.22E-12	1.63388E-10	3.658E-06	8.2568E-05	0.000161	1.40718E-11	2.17108E-11	8.64454E-12	4.44576E-12
602	570870.6	4178679	0.55, 41786	0.92801	1.04065	269.45277	158.88347	39.41339	35.15016	6.10615E-08	4.30E-10	6.149E-08	1.773E-05	6.57E-08	1.78E-05	2.593E-06	1.63E-08	2.61E-06	1.9E-11	5.73E-11	3.32E-11	6.91E-12	1.67E-10	9.21E-12	1.83093E-10	4.099E-06	8.8976E-05	0.000174	1.57689E-11	2.43291E-11	9.68706E-12	4.98192E-12
603	570910.6	4178679	0.55, 41786	1.03394	1.13081	259.70616	144.94226	42.20689	35.5523	6.80315E-08	4.68E-10	6.85E-08	1.709E-05	5.99E-08	1.715E-05	2.777E-06	1.75E-08	2.795E-06	2.11E-11	6.38E-11	3.69E-11	7.7E-12	1.86E-10	1.03E-11	2.03957E-10	4.567E-06	8.5741E-05	0.000186	1.75658E-11	2.71015E-11	1.0791E-11	5.54963E-12
604	570950.6	4178679	0.55, 41786	1.05684	1.13643	242.80014	123.49716	39.92153	30.15323	6.95383E-08	4.70E-10	7.001E-08	1.598E-05	5.11E-08	1.603E-05	2.627E-06	1.65E-08	2.643E-06	2.16E-11	6.52E-11	3.78E-11	7.87E-12	1.9E-10	1.05E-11	2.08451E-10	4.667E-06	8.0135E-05	0.000176	1.79528E-11	2.76986E-11	1.10287E-11	5.6719E-12
605	570990.6	4178679	0.55, 41786	1.01802	1.09421	255.86386	105.93706	37.15781	26.85338	6.6984E-08	4.52E-10	6.744E-08	1.684E-05	4.38E-08	1.688E-05	2.445E-06	1.54E-08	2.46E-06	2.08E-11	6.28E-11	3.64E-11	7.58E-12	1.83E-10	1.01E-11	2.00793E-10	4.496E-06	8.4396E-05	0.000164	1.72933E-11	2.66811E-11	1.06235E-11	5.46354E-12
606	571030.6	4178679	0.55, 41786	0.98373	1.03259	224.24787	96.85684	32.03518	21.71644	6.47278E-08	4.27E-10	6.515E-08	1.476E-05	4.00E-08	1.48E-05	2.108E-06	1.32E-08	2.121E-06	2.01E-11	6.07E-11	3.51E-11	7.32E-12	1.77E-10	9.76E-12	1.94E-10	4.344E-06	7.3976E-05	0.000141	1.67082E-11	2.57783E-11	1.02641E-11	5.27868E-12
607	571070.6	4178679	0.55, 41786	0.92088	0.95493	234.21131	81.25508	29.84103	18.74017	6.05924E-08	3.95E-10	6.099E-08	1.541E-05	3.36E-08	1.544E-05	1.963E-06	1.23E-08	1.976E-06	1.88E-11	5.68E-11	3.29E-11	6.86E-12	1.66E-10	9.14E-12	1.81591E-10	4.066E-06	7.7222E-05	0.000132	1.56395E-11	2.41294E-11	9.60757E-12	4.94104E-12
608	571110.6	4178679	0.55, 41786	0.85296	0.87816	249.82687	76.90023	32.83771	18.41049	5.61233E-08	3.63E-10	5.649E-08	1.644E-05	3.18E-08	1.647E-05	2.161E-06	1.36E-08	2.174E-06	1.74E-11	5.26E-11	3.05E-11	6.35E-12	1.53E-10	8.46E-12	1.68189E-10	3.766E-06	8.235E-05	0.000145	1.44853E-11	2.23487E-11	8.89855E-12	4.5764E-12
609	571150.6	4178679	0.55, 41786	0.78449	0.80428	184.12399	71.8753	26.94504	17.68151	5.16181E-08	3.33E-10	5.195E-08	1.212E-05	2.97E-08	1.214E-05	1.773E-06	1.11E-08	1.784E-06	1.6E-11	4.84E-11	2.8E-11	5.84E-12	1.41E-10	7.78E-12	1.54684E-10	3.463E-06	6.0724E-05	0.000119	1.33221E-11	2.05542E-11	8.18401E-12	4.20892E-12
610	571190.6	4178679	0.55, 41786	0.70872	0.73542	192.12547	69.23049	27.25383	16.04767	4.66326E-08	3.04E-10	4.694E-08	1.264E-05	2.86E-08	1.267E-05	1.793E-06	1.13E-08	1.805E-06	1.45E-11	4.37E-11	2.53E-11	5.28E-12	1.27E-10	7.03E-12	1.39755E-10	3.129E-06	6.3351E-05	0.00012	1.20364E-11	1.85704E-11	7.39413E-12	3.8027E-12
611	571230.6	4178679	0.55, 41786	0.64141	0.6715	152.95792	62.82263	21.78847	14.44714	4.22037E-08	2.78E-10	4.248E-08	1.006E-05	2.60E-08	1.009E-05	1.434E-06	9.01E-09	1.443E-06	1.31E-11	3.96E-11	2.29E-11	4.78E-12	1.15E-10	6.36E-12	1.26489E-10	2.832E-06	5.0452E-05	9.62E-05	1.08938E-11	1.68077E-11	6.69227E-12	3.44174E-12
612	571270.6	4178679	0.55, 41786	0.5854	0.61191	124.65244	57.66905	20.54509	12.75642	3.85183E-08	2.53E-10	3.877E-08	8.202E-06	2.38E-08	8.226E-06	1.352E-06	8.49E-09	1.36E-06	1.2E-11	3.61E-11	2.09E-11	4.36E-12	1.05E-10	5.81E-12	1.15442E-10	2.585E-06	4.1129E-05	9.07E-05	9.94246E-12	1.53398E-11	6.10782E-12	3.14116E-12
613	571310.6	4178679	0.55, 41786	0.53447	0.5582	125.80787	55.1913	17.97255	11.70277	3.51672E-08	2.31E-10	3.54E-08	8.278E-06	2.28E-08	8.301E-06	1.183E-06	7.43E-09	1.19E-06	1.09E-11	3.3E-11	1.91E-11	3.98E-12	9.61E-11	5.3E-12	1.05398E-10	2.36E-06	4.1504E-05	7.93E-05	9.07741E-12	1.40052E-11	5.5764E-12	2.86786E-12
614	571350.6	4178679	0.55, 41786	0.48504	0.50906	111.39997	53.56601	13.925	11.19981	3.19148E-08	2.10E-10	3.213E-08	7.33E-06	2.21E-08	7.352E-06	9.162E-07	5.76E-09	9.22E-07	9.91E-12	2.99E-11	1.73E-11	3.61E-12	8.72E-11	4.81E-12	9.56537E-11	2.142E-06	3.676E-05	6.15E-05	8.23816E-12	1.27103E-11	5.06084E-12	2.60272E-12
615	571390.6	4178679	0.55, 41786	0.44312	0.4655	107.51836	51.27371	13.43979	10.40254	2.91566E-08	1.92E-10	2.935E-08	7.075E-06	2.12E-08	7.096E-06	8.843E-07	5.56E-09	8.899E-07	9.06E-12	2.73E-11	1.58E-11	3.3E-12	7.97E-11	4.4E-12	8.73873E-11	1.957E-06	3.5479E-05	5.93E-05	7.52622E-12	1.16119E-11	4.62348E-12	2.37779E-12
616	571430.6	4178679	0.55, 41786	0.41031	0.42684	122.12368	48.88835	17.23844	9.36082	2.69977E-08	1.76E-10	2.717E-08	8.036E-06	2.02E-08	8.056E-06	1.134E-06	7.13E-09	1.141E-06	8.39E-12	2.53E-11	1.47E-11	3.05E-12	7.38E-11	4.07E-12	8.09117E-11	1.812E-06	4.0279E-05	7.61E-05	6.96851E-12	1.07514E-11	4.28087E-12	2.20159E-12
617	571470.6	4178679	0.55, 41786	0.38401	0.39267	130.83453	46.56818	18.03085	8.50414	2.52672E-08	1.62E-10	2.543E-08	8.609E-06	1.93E-08	8.628E-06	1.186E-06	7.46E-09	1.194E-06	7.85E-12	2.37E-11	1.37E-11	2.86E-12	6.9E-11	3.81E-12	7.57171E-11	1.695E-06	4.314E-05	7.96E-05	6.52112E-12	1.00612E-11	4.00603E-12	2.06024E-12
618	571510.6	4178679	0.55, 41786	0.35733	0.36026	104.69184	43.30646	14.57371	7.68103	2.35117E-08	1.49E-10	2.366E-08	6.889E-06	1.79E-08	6.906E-06	9.589E-07	6.03E-09	9.65E-07	7.3E-12	2.2E-11	1.28E-11	2.66E-12	6.42E-11	3.54E-12	7.04501E-11	1.577E-06	3.4532E-05	6.43E-05	6.0675E-12	9.36129E-12	3.72737E-12	1.91693E-12
619	571550.6	4178679	0.55, 41786	0.32923	0.33046	93.91251	40.06683	13.41607	6.60436	2.16628E-08	1.37E-10	2.18E-08	6.179E-06	1.66E-08	6.196E-06	8.828E-07	5.55E-09	8.883E-07	6.73E-12	2.03E-11	1.18E-11	2.45E-12	5.92E-11	3.27E-12	6.49082E-11	1.453E-06	3.0979E-05	5.92E-05	5.59021E-12	8.62489E-12	3.43416E-12	1.76614E-12
620	571590.6	4178679	0.55, 41786	0.30119	0.30402	90.51235	37.8645	11.49242	5.95997	1.98178E-08	1.26E-10	1.994E-08	5.956E-06	1.57E-08	5.971E-06	7.562E-07	4.75E-09	7.609E-07	6.15E-12	1.86E-11	1.08E-11	2.24E-12	5.42E-11	2.99E-12	5.93822E-11	1.33E-06	2.9856E-05	5.07E-05	5.11428E-12	7.8906E-12	3.14178E-12	1.61577E-12
621	570310.6	4178719	0.55, 41787	0.10285	0.08839	86.08959	31.99227	10.7612	4.57032	6.76736E-09	3.65E-11	6.804E-09	5.665E-06	1.32E-08	5.678E-06	7.081E-07	4.45E-09	7.125E-07	2.1E-12	6.34E-12	3.67E-12	7.65E-13	1.85E-11	1.02E-12	2.02588E-11	4.536E-07	2.8389E-05	4.75E-05	1.74478E-12	2.69195E-12	1.07185E-12	5.51236E-13
622	570350.6	4178719	0.55, 41787	0.11563	0.10049	90.6137	34.18211	11.32671	4.88316	7.60826E-09	4.15E-11	7.65E-09	5.962E-06	1.41E-08	5.976E-06	7.453E-07	4.68E-09	7.5E-07	2.36E-12	7.13E-12	4.13E-12	8.6E-13	2.08E-11	1.15E-12	2.27775E-11	5.1E-07	2.9882E-05	5E-05	1.9617E-12	3.02663E-12	1.20511E-12	6.19769E-13
623	570390.6	4178719	0.55, 41787	0.13114	0.11521	102.01088	38.97546	12.75136	5.08393	8.62879E-09	4.76E-11	8.676E-09	6.712E-06	1.61E-08	6.728E-06	8.39E-07	5.27E-09	8.443E-07	2.68E-12	8.08E-12	4.68E-12	9.75E-13	2.36E-11	1.3E-12	2.58342E-11	5.784E-07	3.3641E-05	5.63E-05	2.22497E-12	3.43281E-12	1.36683E-12	7.02944E-13
624	570430.6	4178719	0.55, 41787	0.15	0.13322	114.28488	46.41789	14.28561	5.80224	9.86975E-09	5.51E-11	9.925E-09	7.52E-06	1.92E-08	7.539E-06	9.4E-07	5.91E-09	9.459E-07	3.06E-12	9.25E-12	5.35E-12	1.12E-12	2.69E-11	1.49E-12	2.95514E-11	6.617E-07	3.7695E-05	6.31E-05	2.54511E-12	3.92674E-12	1.5635E-12	8.04086E-13
625	570470.6	4178719	0.55, 41787	0.17288	0.1553	122.16306	52.59309	15.27038	6.67803	1.13752E-08	6.42E-11	1.144E-08	8.038E-06	2.17E-08	8.06E-06	1.005E-06	6.31E-09	1.011E-06	3.53E-12	1.07E-11	6.17E-12	1.29E-12	3.11E-11	1.71E-12	3.40611E-11	7.626E-07	4.0299E-05	6.74E-05	2.93351E-12	4.52598E-12	1.8021E-12	9.26795E-13
626	570510.6	4178719	0.55, 41787	0.1999	0.18201	126.87173	56.8638	15.85897	8.56143	1.31531E-08	7.53E-11	1.323E-08	8.348E-06	2.35E-08	8.371E-06	1.043E-06	6.56E-09	1.05E-06	4.08E-12	1.23E-11	7.14E-12	1.49E-12	3.59E-11	1.98E-12	3.93876E-11	8.819E-07	4.1857E-05	7E-05	3.39225E-12	5.23376E-12	2.08392E-12	1.07173E-12
627	570550.6	4178719	0.55, 41787	0.2328	0.21534	141.7684	62.68438	19.27806	10.36338	1.53179E-08	8.90E-11	1.541E-08	9.328E-06	2.59E-08	9.354E-06	1.268E-06	7.97E-09	1.276E-06	4.75E-12	1.44E-11	8.31E-12	1.73E-12	4.18E-11	2.31E-12	4.58743E-11	1.027E-06	4.677E-05	8.51E-05	3.95092E-12	6.0957E-12	2.42711E-12	1.24823E-12
628	570590.6	4178719	0.55, 41787	0.2704	0.25529	152.6333	65.86327	21.80476	11.76563	1.77919E-08	1.06E-10	1.79E-08	1.004E-05	2.72E-08	1.007E-05	1.435E-06	9.02E-09	1.444E-06	5.52E-12	1.67E-11	9.65E-12	2.01E-12	4.86E-11	2.68E-12	5.32899E-11	1.193E-06	5.0351E-05	9.62E-05	4.58959E-12	7.08108E-12	2.81946E-12	1.45001E-12
629	570630.6	4178719	0.55, 41787	0.31352	0.30328	160.25221	70.5161	22.89317	12.52474	2.06291E-08	1.25E-10	2.075E-08	1.054E-05	2.92E-08	1.057E-05	1.506E-06	9.47E-09	1.516E-06	6.4E-12	1.93E-11	1.12E-11	2.33E-12	5.64E-11	3.11E-12	6.17969E-11	1.384E-06	5.2867E-05	0.000101	5.32225E-12	8.21147E-12	3.26954E-12	1.68148E-12

630	570670.6	4178719	0.55, 41787	0.36149	0.3594	159.13882	79.23774	22.73412	14.05012	2.37854E-08	1.49E-10	2.393E-08	1.047E-05	3.28E-08	1.05E-05	1.496E-06	9.40E-09	1.505E-06	7.39E-12	2.23E-11	1.29E-11	2.69E-12	6.5E-11	3.59E-12	7.12641E-11	1.596E-06	5.2519E-05	0.0001	6.13761E-12	9.46945E-12	3.77043E-12	1.93908E-12
631	570710.6	4178719	0.55, 41787	0.41184	0.42167	168.39934	82.78202	23.84947	15.22445	2.70984E-08	1.74E-10	2.727E-08	1.108E-05	3.42E-08	1.111E-05	1.569E-06	9.86E-09	1.579E-06	8.42E-12	2.54E-11	1.47E-11	3.07E-12	7.41E-11	4.09E-12	8.12051E-11	1.818E-06	5.5573E-05	0.000105	6.99377E-12	1.07904E-11	4.29639E-12	2.20957E-12
632	570750.6	4178719	0.55, 41787	0.46631	0.48852	193.26616	81.97611	24.83922	16.78199	3.06824E-08	2.02E-10	3.088E-08	1.272E-05	3.39E-08	1.275E-05	1.634E-06	1.03E-08	1.645E-06	9.53E-12	2.88E-11	1.67E-11	3.47E-12	8.39E-11	4.63E-12	9.19589E-11	2.059E-06	6.3752E-05	0.00011	7.91995E-12	1.22193E-11	4.86535E-12	2.50218E-12
633	570790.6	4178719	0.55, 41787	0.5297	0.5627	208.56721	92.88706	26.09236	23.00092	3.48534E-08	2.33E-10	3.509E-08	1.372E-05	3.84E-08	1.376E-05	1.717E-06	1.08E-08	1.728E-06	1.08E-11	3.27E-11	1.89E-11	3.94E-12	9.53E-11	5.26E-12	1.04469E-10	2.339E-06	6.8809E-05	0.000115	8.99741E-12	1.38817E-11	5.52725E-12	2.84259E-12
634	570830.6	4178719	0.55, 41787	0.58417	0.63922	206.25232	102.59816	28.9378	25.69667	3.84374E-08	2.64E-10	3.87E-08	1.357E-05	4.24E-08	1.361E-05	1.904E-06	1.20E-08	1.916E-06	1.19E-11	3.61E-11	2.09E-11	4.35E-12	1.05E-10	5.8E-12	1.15235E-10	2.58E-06	6.8067E-05	0.000128	9.9246E-12	1.53122E-11	6.09684E-12	3.13552E-12
635	570870.6	4178719	0.55, 41787	0.63384	0.71183	208.40577	136.85909	28.70976	24.7437	4.17056E-08	2.94E-10	4.2E-08	1.371E-05	5.66E-08	1.377E-05	1.889E-06	1.19E-08	1.901E-06	1.3E-11	3.91E-11	2.27E-11	4.72E-12	1.14E-10	6.29E-12	1.25056E-10	2.8E-06	6.8847E-05	0.000127	1.07704E-11	1.66172E-11	6.61643E-12	3.40273E-12
636	570910.6	4178719	0.55, 41787	0.68401	0.75343	211.07044	124.31957	30.70854	25.49482	4.50067E-08	3.12E-10	4.532E-08	1.389E-05	5.14E-08	1.394E-05	2.021E-06	1.27E-08	2.033E-06	1.4E-11	4.22E-11	2.44E-11	5.09E-12	1.23E-10	6.79E-12	1.34936E-10	3.021E-06	6.9697E-05	0.000136	1.16213E-11	1.79301E-11	7.13917E-12	3.67158E-12
637	570950.6	4178719	0.55, 41787	0.69007	0.76497	207.10313	108.18225	30.79195	24.65468	4.54055E-08	3.16E-10	4.572E-08	1.363E-05	4.47E-08	1.367E-05	2.026E-06	1.27E-08	2.039E-06	1.41E-11	4.26E-11	2.47E-11	5.14E-12	1.24E-10	6.85E-12	1.36137E-10	3.048E-06	6.8359E-05	0.000136	1.17248E-11	1.80897E-11	7.20274E-12	3.70427E-12
638	570990.6	4178719	0.55, 41787	0.68048	0.74999	206.58356	95.47159	32.17827	21.60129	4.47744E-08	3.10E-10	4.508E-08	1.359E-05	3.95E-08	1.363E-05	2.117E-06	1.33E-08	2.131E-06	1.39E-11	4.2E-11	2.43E-11	5.07E-12	1.22E-10	6.75E-12	1.3424E-10	3.006E-06	6.8162E-05	0.000142	1.15614E-11	1.78376E-11	7.10236E-12	3.65264E-12
639	571030.6	4178719	0.55, 41787	0.66194	0.72353	210.3532	86.11281	30.372	18.42489	4.35545E-08	2.99E-10	4.385E-08	1.384E-05	3.56E-08	1.388E-05	1.998E-06	1.26E-08	2.011E-06	1.35E-11	4.09E-11	2.37E-11	4.93E-12	1.19E-10	6.57E-12	1.30575E-10	2.924E-06	6.9382E-05	0.000134	1.12458E-11	1.73506E-11	6.90846E-12	3.55292E-12
640	571070.6	4178719	0.55, 41787	0.64029	0.68839	181.70859	76.31707	22.73215	15.52213	4.213E-08	2.85E-10	4.241E-08	1.196E-05	3.16E-08	1.199E-05	1.496E-06	9.40E-09	1.505E-06	1.31E-11	3.95E-11	2.29E-11	4.77E-12	1.15E-10	6.35E-12	1.2629E-10	2.828E-06	5.9938E-05	0.0001	1.08767E-11	1.67813E-11	6.68176E-12	3.43633E-12
641	571110.6	4178719	0.55, 41787	0.60626	0.64543	207.95149	70.27092	26.16426	14.32632	3.98909E-08	2.67E-10	4.016E-08	1.368E-05	2.91E-08	1.371E-05	1.722E-06	1.08E-08	1.732E-06	1.24E-11	3.74E-11	2.17E-11	4.51E-12	1.09E-10	6.02E-12	1.19571E-10	2.677E-06	6.856E-05	0.000115	1.0298E-11	1.58883E-11	6.32622E-12	3.25349E-12
642	571150.6	4178719	0.55, 41787	0.57256	0.60327	200.64391	66.12781	25.68735	14.52342	3.76735E-08	2.49E-10	3.792E-08	1.32E-05	2.73E-08	1.323E-05	1.69E-06	1.06E-08	1.701E-06	1.17E-11	3.53E-11	2.05E-11	4.26E-12	1.03E-10	5.68E-12	1.12916E-10	2.528E-06	6.6147E-05	0.000113	9.72489E-12	1.50041E-11	5.97416E-12	3.07242E-12
643	571190.6	4178719	0.55, 41787	0.53842	0.56251	154.3512	63.9477	22.19645	14.00077	3.54271E-08	2.33E-10	3.566E-08	1.016E-05	2.64E-08	1.018E-05	1.46E-06	9.18E-09	1.47E-06	1.1E-11	3.32E-11	1.92E-11	4.01E-12	9.68E-11	5.34E-12	1.06178E-10	2.377E-06	5.0912E-05	9.8E-05	9.14452E-12	1.41087E-11	5.61763E-12	2.88907E-12
644	571230.6	4178719	0.55, 41787	0.49735	0.52247	159.72675	60.41971	22.34048	12.75874	3.27248E-08	2.16E-10	3.294E-08	1.051E-05	2.50E-08	1.053E-05	1.47E-06	9.24E-09	1.479E-06	1.02E-11	3.07E-11	1.78E-11	3.7E-12	8.94E-11	4.93E-12	9.8082E-11	2.196E-06	5.2674E-05	9.86E-05	8.44729E-12	1.3033E-11	5.18931E-12	2.66879E-12
645	571270.6	4178719	0.55, 41787	0.45612	0.4836	144.14128	55.22387	20.17616	11.51496	3.00119E-08	2.00E-10	3.021E-08	9.484E-06	2.28E-08	9.507E-06	1.328E-06	8.34E-09	1.336E-06	9.32E-12	2.81E-11	1.63E-11	3.4E-12	8.2E-11	4.53E-12	8.99565E-11	2.014E-06	4.7535E-05	8.91E-05	7.74749E-12	1.19533E-11	4.75941E-12	2.4477E-12
646	571310.6	4178719	0.55, 41787	0.42006	0.44717	118.44349	52.26024	17.97136	10.56882	2.76392E-08	1.85E-10	2.782E-08	7.793E-06	2.16E-08	7.815E-06	1.182E-06	7.43E-09	1.19E-06	8.59E-12	2.59E-11	1.5E-11	3.13E-12	7.56E-11	4.17E-12	8.28469E-11	1.855E-06	3.9075E-05	7.93E-05	7.13518E-12	1.10086E-11	4.38325E-12	2.25425E-12
647	571350.6	4178719	0.55, 41787	0.38785	0.41385	109.17018	50.24459	14.07795	10.0186	2.55199E-08	1.71E-10	2.569E-08	7.183E-06	2.08E-08	7.204E-06	9.263E-07	5.82E-09	9.321E-07	7.93E-12	2.39E-11	1.39E-11	2.89E-12	6.98E-11	3.85E-12	7.64954E-11	1.713E-06	3.602E-05	6.21E-05	6.58816E-12	1.01646E-11	4.04721E-12	2.08142E-12
648	571390.6	4178719	0.55, 41787	0.35875	0.38356	87.70597	48.80309	10.96325	9.64341	2.36051E-08	1.59E-10	2.376E-08	5.771E-06	2.02E-08	5.791E-06	7.214E-07	4.53E-09	7.259E-07	7.33E-12	2.21E-11	1.28E-11	2.67E-12	6.45E-11	3.56E-12	7.0757E-11	1.584E-06	2.8955E-05	4.84E-05	6.09393E-12	9.40207E-12	3.7436E-12	1.92528E-12
649	571430.6	4178719	0.55, 41787	0.33385	0.35563	80.9107	47.09106	11.59229	8.99084	2.19668E-08	1.47E-10	2.211E-08	5.324E-06	1.95E-08	5.343E-06	7.628E-07	4.79E-09	7.675E-07	6.82E-12	2.06E-11	1.19E-11	2.49E-12	6E-11	3.31E-12	6.58443E-11	1.474E-06	2.6716E-05	5.12E-05	5.67083E-12	8.74928E-12	3.48368E-12	1.79161E-12
650	571470.6	4178719	0.55, 41787	0.31507	0.33052	111.40642	45.19171	15.57659	8.16367	2.07311E-08	1.37E-10	2.087E-08	7.33E-06	1.87E-08	7.349E-06	1.025E-06	6.44E-09	1.031E-06	6.44E-12	1.94E-11	1.13E-11	2.35E-12	5.67E-11	3.13E-12	6.21341E-11	1.391E-06	3.6745E-05	6.88E-05	5.35129E-12	8.25627E-12	3.28738E-12	1.69065E-12
651	571510.6	4178719	0.55, 41787	0.29891	0.30701	116.70467	43.07153	15.95519	7.46065	1.96678E-08	1.27E-10	1.979E-08	7.679E-06	1.78E-08	7.697E-06	1.05E-06	6.60E-09	1.056E-06	6.11E-12	1.84E-11	1.07E-11	2.23E-12	5.37E-11	2.97E-12	5.89392E-11	1.32E-06	3.8484E-05	7.04E-05	5.07613E-12	7.83174E-12	3.11835E-12	1.60372E-12
652	571550.6	4178719	0.55, 41787	0.28299	0.28542	93.20798	40.2806	12.81909	6.80365	1.86203E-08	1.18E-10	1.874E-08	6.133E-06	1.67E-08	6.15E-06	8.435E-07	5.30E-09	8.488E-07	5.78E-12	1.75E-11	1.01E-11	2.11E-12	5.09E-11	2.81E-12	5.57936E-11	1.249E-06	3.0748E-05	5.66E-05	4.80521E-12	7.41376E-12	2.95192E-12	1.51813E-12
653	571590.6	4178719	0.55, 41787	0.2649	0.26495	84.18961	37.57199	12.02709	5.93847	1.743E-08	1.10E-10	1.754E-08	5.54E-06	1.55E-08	5.555E-06	7.914E-07	4.97E-09	7.963E-07	5.41E-12	1.63E-11	9.46E-12	1.97E-12	4.76E-11	2.63E-12	5.22243E-11	1.169E-06	2.7775E-05	5.31E-05	4.49781E-12	6.93947E-12	2.76308E-12	1.42101E-12
654	570310.6	4178759	0.55, 41787	0.10291	0.08971	86.89901	32.22927	10.86238	4.40505	6.77131E-09	3.71E-11	6.808E-09	5.718E-06	1.33E-08	5.731E-06	7.147E-07	4.49E-09	7.192E-07	2.1E-12	6.34E-12	3.67E-12	7.65E-13	1.85E-11	1.02E-12	2.02721E-11	4.539E-07	2.8656E-05	4.79E-05	1.74593E-12	2.69373E-12	1.07256E-12	5.516E-13
655	570350.6	4178759	0.55, 41787	0.11544	0.10167	97.89636	38.6449	12.23704	4.83061	7.59576E-09	4.20E-11	7.638E-09	6.441E-06	1.60E-08	6.457E-06	8.052E-07	5.06E-09	8.102E-07	2.36E-12	7.12E-12	4.12E-12	8.59E-13	2.07E-11	1.14E-12	2.27417E-11	5.092E-07	3.2287E-05	5.4E-05	1.95862E-12	3.02188E-12	1.20321E-12	6.18796E-13
656	570390.6	4178759	0.55, 41787	0.13027	0.11595	105.67733	44.34348	13.20967	5.54293	8.57155E-09	4.79E-11	8.619E-09	6.953E-06	1.83E-08	6.972E-06	8.692E-07	5.46E-09	8.746E-07	2.66E-12	8.03E-12	4.65E-12	9.69E-13	2.34E-11	1.29E-12	2.56647E-11	5.746E-07	3.4859E-05	5.83E-05	2.21037E-12	3.41028E-12	1.35786E-12	6.98331E-13
657	570430.6	4178759	0.55, 41787	0.14773	0.133	109.21499	48.49986	13.65187	6.24447	9.72039E-09	5.50E-11	9.775E-09	7.186E-06	2.01E-08	7.206E-06	8.983E-07	5.64E-09	9.039E-07	3.02E-12	9.11E-12	5.27E-12	1.1E-12	2.65E-11	1.46E-12	2.91064E-11	6.517E-07	3.6031E-05	6.03E-05	2.50678E-12	3.86761E-12	1.53996E-12	7.91978E-13
658	570470.6	4178759	0.55, 41787	0.16767	0.15301	117.79795	52.53636	14.72474	7.71399	1.10324E-08	6.33E-11	1.11E-08	7.751E-06	2.17E-08	7.773E-06	9.689E-07	6.09E-09	9.75E-07	3.42E-12	1.03E-11	5.98E-12	1.25E-12	3.01E-11	1.66E-12	3.30376E-11	7.397E-07	3.8863E-05	6.5E-05	2.84536E-12	4.38998E-12	1.74795E-12	8.98945E-13
659	570510.6	4178759	0.55, 41787	0.191	0.17712	128.29828	56.17436	17.6792	9.03197	1.25675E-08	7.32E-11	1.264E-08	8.442E-06	2.32E-08	8.465E-06	1.163E-06	7.31E-09	1.171E-06	3.9E-12	1.18E-11	6.82E-12	1.42E-12	3.43E-11	1.89E-12	3.7638E-11	8.427E-07	4.2325E-05	7.8E-05	3.24156E-12	5.00127E-12	1.99135E-12	1.02412E-12
660	570550.6	4178759	0.55, 41787	0.21672	0.20498	137.63049	58.52483	19.6615	9.95092	1.42598E-08	8.48E-11	1.434E-08	9.056E-06	2.42E-08	9.08E-06	1.294E-06	8.13E-09	1.302E-06	4.43E-12	1.34E-11	7.74E-12	1.61E-12	3.9E-11	2.15E-12	4.27112E-11	9.563E-07	4.54E-05	8.68E-05	3.6785E-12	5.6754E-12	2.25976E-12	1.16216E-12
661	570590.6	4178759	0.55, 41787	0.24504	0.23724	142.23889	62.68425	20.31984	10.25836	1.61232E-08	9.81E-11	1.622E-08	9.359E-06	2.59E-08	9.385E-06	1.337E-06	8.40E-09	1.345E-06	5.01E-12	1.51E-11	8.75E-12	1.82E-12	4.4E-11	2.43E-12	4.82993E-11	1.081E-06	4.6925E-05	8.97E-05	4.15977E-12	6.41793E-12	2.55541E-12	1.31421E-12
662	570630.6	4178759	0.55, 41787	0.27554	0.27375	139.19636	70.02218	19.61007	11.07526	1.81301E-08	1.13E-10	1.824E-08	9.159E-06	2.90E-08	9.188E-06	1.29E-06	8.11E-09	1.298E-06	5.63E-12	1.7E-11	9.84E-12	2.05E-12	4.95E-11	2.73E-12	5.43197E-11	1.216E-06	4.5939E-05	8.66E-05	4.67827E-12	7.2179E-12	2.87394E-12	1.47803E-12
663	570670.6	4178759	0.55, 41787	0.30614	0.31293	149.31547	72.47289	21.10931	12.07881	2.01435E-08	1.29E-10	2.027E-08	9.825E-06	3.00E-08	9.855E-06	1.389E-06	8.73E-09	1.398E-06	6.26E-12	1.89E-11	1.09E-11	2.28E-12	5.5E-11	3.04E-12	6.03629E-11	1.352E-06	4.9273E-05	9.32E-05	5.19875E-12	8.02092E-12	3.19367E-12	1.64246E-12
664	570710.6	4178759	0.55, 41787	0.33494	0.35231	164.794	71.08708	21.55176	13.08376	2.20385E-08	1.46E-10	2.218E-08	1.084E-05	2.94E-08	1.087E-05	1.418E-06	8.91E-09	1.427E-06	6.85E-12	2.07E-11	1.2E-11	2.49E-12	6.02E-11	3.32E-12	6.60538E-11	1.479E-06	5.4363E-05	9.51E-05	5.68887E-12	8.77711E-12	3.49477E-12	1.79731E-12
665	570750.6	4178759	0.55, 41787	0.36674	0.3924	179.38877	78.60477	22.4236	16.36841	2.41309E-08	1.62E-10	2.429E-08	1.18E-05	3.25E-08	1.184E-05	1.475E-06	9.27E-09	1.485E-06	7.5E-12	2.26E-11	1.31E-11	2.73E-12	6.6E-11	3.64E-12	7.23333E-11	1.62E-06	5.918E-05	9.9E-05	6.22969E-12	9.61152E-12	3.827E-12	1.96817E-12
666	570790.6	4178759	0.55, 41787	0.40357	0.43625	166.36606	82.34558	21.7564	19.87746	2.65542E-08	1.80E-10	2.673E-08	1.095E-05	3.40E-08	1.098E-05	1.432E-06	9.00E-09	1.441E-06	8.25E-12	2.49E-11	1.44E-11	3.01E-12	7.26E-11	4E-12	7.96028E-11	1.782E-06	5.4903E-05	9.6E-05	6.85578E-12	1.05775E-11	4.21162E-12	2.16597E-12
667	570830.6	4178759	0.55, 41787	0.43354	0.48203	188.6599	98.62945	24.95504	19.43466	2.85262E-08	1.99E-10	2.873E-08	1.241E-05	4.08E-08	1.245E-05	1.642E-06	1.03E-08	1.652E-06	8.86E-12	2.68E-11	1.55E-11	3.23E-12	7.8E-11	4.3E-12	8.55308E-11	1.915E-06	6.2271E-05	0.00011	7.36632E-12	1.13652E-11	4.52525E-12	2.32727E-12
668	570870.6	4178759	0.55, 41787	0.46387	0.52331	172.12292	120.25167	21.51536	18.67269	3.05219E-08	2.16E-10	3.074E-08	1.133E-05	4.97E-08	1.138E-05	1.416E-06	8.90E-09	1.425E-06	9.49E-12	2.86E-11	1.66E-11	3.46E-12	8.35E-11	4.6E-12	9.15237E-11	2.049E-06	5.6876E-05	9.5E-05	7.88246E-12	1.21615E-11	4.84233E-12	2.49034E-12
669	570910.6	4178759	0.55, 41787	0.49085	0.54778	176.15826	108.72169	23.43896	19.655	3.22971E-08	2.26E-10	3.252E-08	1.159E-05	4.50E-08	1.164E-05	1.542E-06	9.69E-09	1.552E-06	1E-11	3.03E-11	1.75E-11	3.66E-12	8.83E-11	4.87E-12	9.68397E-11	2.168E-06	5.8179E-05	0.000103	8.3403E-12	1.28679E-11	5.12358E-12	2.63498E-12
670	570950.6	4178759	0.55, 41787	0.48762	0.55475	180.46301	97.04885	24.36206	20.46933	3.20846E-08	2.29E-10	3.231E-08	1.187E-05	4.01E-08	1.191E-05	1.603E-06	1.01E-08	1.613E-06	9.97E-12	3.01E-11	1.74E-11	3.63E-12	8.77E-11	4.84E-12	9.62154E-11	2.154E-06	5.9571E-05	0.000108	8.28654E-12	1.27849E-11	5.09055E-12	2.618E-12
671	570990.6	4178759	0.55, 41787	0.49051	0.55159	151.23194	87.28492	25.20532	17.38113	3.22747E-08	2.28E-10	3.25E-08	9.951E-06	3.61E-08	9.987E-06	1.658E-06	1.04E-08	1.669E-06	1E-11	3.03E-11	1.75E-11	3.65E-12	8.83E-11	4.87E-12	9.67777E-11	2.167E-06	4.9934E-05	0.000111	8.33497E-12	1.28597E-11	5.1203E-12	2.6333E-12
672	571030.6	4178759	0.55, 41787	0.48428	0.53663	187.58168	78.86438	28.06386	15.68835	3.18648E-08	2.22E-10	3.209E-08	1.234E-05	3.26E-08	1.238E-05	1.847E-06	1.16E-08	1.858E-06	9.9E-12	2.99E-11	1.73E-11	3.61E-12	8.71E-11	4.81E-12	9.55388E-11	2.139E-06	6.1876E-05	0.000124	8.22826E-12	1.2695E-11	5.05475E-12	2.59959E-12
673	571070.6	4178759	0.55, 41787	0.467	0.51625	163.79974	72.83551	22.54296	13.46245	3.07278E-08	2.13E-10	3.094E-08	1.078E-05	3.01E-08	1.081E-05	1.483E-06	9.32E-09	1.493E-06	9.55E-12	2.88E-11	1.67E-11	3.48E-12	8.4E-11	4.63E-12	9.21283E-11	2.063E-06	5.4039E-05	9.95E-05	7.93453E-12	1.22418E-11	4.87431E-12	2.50679E-12
674	571110.6	4178759	0.55, 41787	0.44755	0.4933	157.0432	65.36033	19.63651	11.35189	2.9448E-08	2.04E-10	2.965E-08	1.033E-05	2.70E-08	1.036E-05	1.292E-06	8.12E-09	1.3E-06	9.15E-12	2.76E-11	1.6E-11	3.33E-12	8.05E-11	4.44E-12	8.82894E-11	1.977E-06	5.1801E-05	8.67E-05	7.60391E-12	1.17318E-11	4.67121E-12	2.40233E-12
675	571150.6	4178759	0.55, 41787	0.4302	0.46818	183.98767	62.14189	23.05685	11.54043	2.83064E-08	1.94E-10	2.85E-08	1.211E-05	2.57E-08	1.213E-05	1.517E-06	9.53E-09	1.527E-06	8.79E-12	2.66E-11	1.54E-11	3.2E-12	7.74E-11	4.27E-12	8.48594E-11	1.9E-06	6.0659E-05	0.000102	7.3085E-12	1.1276E-11	4.48973E-12	2.309E-12
676	571190.6	4178759	0.55, 41787	0.41561	0.44245	166.33485	59.4631	21.02615	11.70076	2.73464E-08	1.83E-10	2.753E-08	1.094E-05	2.46E-08	1.097E-05	1.383E-06	8.69E-09	1.392E-06	8.5E-12	2.56E-11	1.48E-11	3.09E-12	7.48E-11	4.12E-12	8.19693E-11	1.835E-06	5.4846E-05	9.28E-05	7.05959E-12	1.08919E-11	4.33682E-12	2.23036E-12
677	571230.6	4178759	0.55, 41787	0.39577	0.41616	133.04594	57.55284	19.00656	11.25795	2.6041E-08	1.72E-10	2.621E-08	8.754E-06	2.38E-08	8.778E-06	1.251E-06	7.86E-09	1.258E-06	8.09E-12	2.44E-11	1.41E-11	2.95E-12	7.12E-11	3.93E-12	7.80499E-11	1.748E-06	4.389E-05	8.39E-05	6.72204E-12	1.03711E-11	4.12946E-12	2.12372E-12
678	571270.6	4178759	0.55, 41787	0.36933	0.38979	133.93343	52.76944	18.49966	10.32502	2.43013E-08	1.61E-10	2.446E-08	8.813E-06	2.18E-08	8.834E-06	1.217E-06	7.65E-09	1.225E-06	7.55E-12	2.28E-11	1.32E-11	2.75E-12	6.64E-11	3.66E-12	7.28375E-11	1.631E-06	4.4172E-05	8.17E-05	6.27311E-12	9.67852E-12	3.85368E-12	1.98189E-12
679	571310.6	4178759	0.55, 41787	0.3411	0.36413	131.1619	50.25063	18.11843	9.56125	2.24438E-08	1.51E-10	2.259E-08	8.63E-06	2.08E-08	8.651E-06	1.192E-06	7.49E-09	1.2E-06	6.97E-12	2.11E-11	1.22E-11	2.54E-12	6.14E-11	3.38E-12	6.72752E-11	1.506E-06	4.3255E-05	8E-05	5.79406E-12	8.93941E-12	3.55939E-12	1.83054E-12
680	571350.6	4178759	0.55, 41787	0.31543	0.34037	103.20737	47.94128	14.62528	9.08266	2.07548E-08	1.41E-10	2.09E-08	6.791E-06	1.98E-08	6.811E-06	9.623E-07	6.05E-09	9.684E-07	6.45E-12	1.95E-11	1.13E-11	2.35E-12	5.67E-11	3.13E-12	6.22168E-11	1.393E-06	3.4053E-05	6.46E-05	5.35841E-12	8.26726E-12	3.29176E-12	1.6929E-12
681	571390.6	4178759	0.55, 41787	0.29206	0.31801	95.20975	46.26011	11.90122	8.7596	1.92171E-08	1.31E-10	1.935E-08	6.265E-06	1.91E-08	6.284E-06	7.831E-07	4.92E-09	7.88E-07	5.97E-12	1.8E-11	1.04E-11	2.18E-12	5.25E-11	2.9E-12	5.76107E-11	1.29E-06	3.1419E-05	5.25E-05	4.96171E-12	7.65521E-12	3.04806E-12	1.56757E-12
682	571430.6	4178759	0.55, 41787	0.27184	0.29676	65.82255	44.97926	8.48847	8.42183	1.78866E-08	1.23E-10	1.801E-08	4.331E-06	1.86E-08	4.35E-06	5.585E-07	3.51E-09	5.62E-07	5.56E-12	1.68E-11	9.71E-12	2.02E-12	4.89E-11	2.7E-12	5.36231E-11	1.201E-06	2.1748E-05	3.75E-05	4.61828E-12	7.12535E-12	2.83708E-12	1.45907E-12
683	571470.6	4178759	0.55, 41787	0.25781	0.27877	74.19853	43.62462	10.92817	7.8818	1.69635E-08	1.15E-10	1.708E-08	4.882E-06	1.80E-08	4.9E-06	7.191E-07	4.52E-09	7.236E-07	5.27E-12	1.59E-11	9.21E-12	1.92E-12	4.64E-11	2.56E-12	5.08523E-11	1.139E-06	2.4501E-05	4.82E-05	4.37964E-12	6.75716E-12	2.69048E-12	1.38368E-12
684	571510.6	4178759	0.55, 41787	0.24715	0.26193	102.14842	42.0514	14.2101	7.23025	1.62621E-08	1.08E-10	1.637E-08	6.721E-06	1.74E-08	6.739E-06	9.35E-07	5.88E-09	9.409E-07	5.05E-12	1.53E-11	8.83E-12	1.84E-12	4.45E-11	2.45E-12	4.87431E-11	1.091E-06	3.3693E-05	6.27E-05	4.19799E-12	6.4769E-12	2.57889E-12	1.32629E-12
685	571550.6	4178759	0.55, 41787	0.23772	0.24585	104.82233	40.15762	14.31586	6.66643	1.56416E-08	1.02E-10	1.574E-08	6.897E-06	1.66E-08	6.914E-06	9.42E-07	5.92E-09	9.479E-07	4.86E-12	1.47E-11	8.49E-12	1.77E-12	4.27E-11	2.36E-12	4.68758E-11	1.05E-06	3.4569E-05	6.32E-05	4.03717E-12	6.22877E-12	2.4801E-12	1.27548E-12
686	571590.6	4178759	0.55, 41787	0.22808	0.23097	83.60184	37.747	11.46846	6.12919	1.50073E-08	9.55E-11	1.51E-08	5.501E-06	1.56E-08	5.516E-06	7.546E-07	4.74E-09	7.593E-07	4.66E-12	1.41E-11	8.15E-12	1.7E-12	4.1E-11	2.26E-12	4.49688E-11	1.007E-06	2.7582E-05	5.06E-05	3.87293E-12	5.97538E-12	2.37921E-12	1.22359E-12
687	570310.6	4178799	0.55, 41787	0.10253	0.09048	92.22772	37.68456	11.52846	4.71057	6.7463E-09	3.74E-11	6.784E-09	6.068E-06	1.56E-08	6.084E-06	7.586E-07	4.77E-09	7.633E-07	2.09E-12	6.32E-12	3.66E-12	7.63E-13	1.84E-11	1.02E-12	2.01986E-11	4.522E-07	3.042E-05	5.09E-05	1.7396E-12	2.68396E-12	1.06867E-12	5.496E-13
688	570350.6	4178799	0.55, 41787	0.11434	0.10195	96.42289	41.82094	12.05286	5.22762	7.52338E-09	4.22E-11	7.566E-09	6.344E-06	1.73E-08	6.362E-06	7.931E-07	4.98E-09	7.98E-07	2.33E-12	7.05E-12	4.08E-12	8.5E-13	2.05E-11	1.13E-12	2.25265E-11	5.044E-07	3.1809E-05	5.32E-05	1.94009E-12	2.99329E-12	1.19183E-12	6.12942E-13
689	570390.6	4178799	0.55, 41787	0.12785	0.11532	96.70849	44.28794	12.08856	5.83168	8.41232E-09	4.77E-11	8.46E-09	6.363E-06	1.83E-08	6.382E-06	7.954E-07	5.00E-09	8.004E-07	2.61E-12	7.88E-12	4.56E-12	9.51E-13	2.3E-11	1.27E-12	2.51898E-11	5.64E-07	3.1908E-05	5.34E-05	2.16947E-12	3.34718E-12	1.33274E-12	6.85409E-13
690	570430.6	4178799	0.55, 41787	0.14288	0.13064	109.4746	48.39009	13.83026	6.97525	9.40126E-09	5.40E-11	9.455E-09	7.203E-06	2.00E-08	7.223E-06	9.1E-07	5.72E-09	9.157E-07	2.92E-12	8.81E-12	5.1E-12	1.06E-12	2.57E-11	1.42E-12	2.81533E-11	6.304E-07	3.6116E-05	6.1E-05	2.4247E-12	3.74096E-12	1.48953E-12	7.66044E-13
691	570470.6	4178799	0.55, 41787	0.15993	0.14857	116.3647	50.80214	16.31235	7.92735	1.05231E-08	6.14E-11	1.058E-08	7.657E-06	2.10E-08	7.678E-06	1.073E-06	6.74E-09	1.08E-06	3.27E-12	9.86E-12	5.71E-12	1.19E-12	2.87E-11	1.59E-12	3.15157E-11	7.056E-07	3.8388E-05	7.2E-05	2.71429E-12	4.18776E-12	1.66743E-12	8.57535E-13
692	570510.6	4178799	0.55, 41787	0.17816	0.16871	124.77861	52.11481	17.82552	8.49382	1.17226E-08	6.98E-11	1.179E-08	8.21E-06	2.15E-08	8.232E-06	1.173E-06	7.37E-09	1.18E-06	3.64E-12	1.1E-11	6.36E-12	1.33E-12	3.2E-11	1.77E-12	3.51121E-11	7.862E-07	4.1159E-05	7.87E-05	3.02402E-12	4.66563E-12	1.8577E-12	9.55391E-13
693	570550.6	4178799	0.55, 41787	0.19752	0.19131	126.89522	56.18657	18.12789	8.51005	1.29965E-08	7.91E-11	1.308E-08	8.349E-06	2.32E-08	8.373E-06	1.193E-06	7.50E-09	1.2E-06	4.03E-12	1.22E-11	7.05E-12	1.47E-12	3.55E-11	1.96E-12	3.89328E-11	8.717E-07	4.1864E-05	8E-05	3.35308E-12	5.17333E-12	2.05985E-12	1.05935E-12
694	570590.6	4178799	0.55, 41787	0.21773	0.21627	122.6872	62.5324	17.14296	9.80776	1.43263E-08	8.94E-11	1.442E-08	8.072E-06	2.59E-08	8.098E-06	1.128E-06	7.09E-09	1.135E-06	4.45E-12	1.34E-11	7.78E-12	1.62E-12	3.91E-11	2.16E-12	4.2923E-11	9.61E-07	4.049E-05	7.57E-05	3.69674E-12	5.70354E-12	2.27097E-12	1.16792E-12
695	570630.6	4178799	0.55, 41787	0.23771	0.24268	133.9153	64.36556	18.95021	10.72759	1.56409E-08	1.00E-10	1.574E-08	8.811E-06	2.66E-08	8.838E-06	1.247E-06	7.84E-09	1.255E-06	4.86E-12	1.47E-11	8.49E-12	1.77E-12	4.27E-11	2.36E-12	4.68699E-11	1.049E-06	4.419E-05	8.36E-05	4.03666E-12	6.22799E-12	2.47979E-12	1.27532E-12
696	570670.6	4178799	0.55, 41787	0.25595	0.26895	141.94782	63.09907	19.13844	10.57117	1.68411E-08	1.11E-10	1.695E-08	9.34E-06	2.61E-08	9.366E-06	1.259E-06	7.91E-09	1.267E-06	5.23E-12	1.58E-11	9.14E-12	1.91E-12	4.6E-11	2.54E-12	5.04758E-11	1.13E-06	4.683E-05	8.45E-05	4.34722E-12	6.70713E-12	2.67057E-12	1.37343E-12
697	570710.6	4178799	0.55, 41787	0.27273	0.29382	157.12572	66.69563	19.64072	11.93189	1.79452E-08	1.21E-10	1.807E-08	1.034E-05	2.76E-08	1.037E-05	1.292E-06	8.12E-09	1.3E-06	5.58E-12	1.68E-11	9.74E-12	2.03E-12	4.91E-11	2.71E-12	5.37938E-11	1.204E-06	5.1831E-05	8.67E-05	4.63299E-12	7.14804E-12	2.84612E-12	1.46372E-12
698	570750.6	4178799	0.55, 41787	0.29355	0.31916	152.65771	72.44297	19.08221	15.18472	1.93151E-08	1.32E-10	1.945E-08	1.004E-05	3.00E-08	1.007E-05	1.256E-06	7.89E-09	1.263E-06	6E-12	1.81E-11	1.05E-11	2.19E-12	5.28E-11	2.91E-12	5.7904E-11	1.296E-06	5.0373E-05	8.42E-05	4.98697E-12	7.69419E-12	3.06358E-12	1.57555E-12
699	570790.6	4178799	0.55, 41787	0.31688	0.34759	157.73005	72.26845	20.13646	16.34526	2.08502E-08	1.44E-10	2.099E-08	1.038E-05	2.99E-08	1.041E-05	1.325E-06	8.33E-09	1.333E-06	6.48E-12	1.96E-11	1.13E-11	2.36E-12	5.7E-11	3.14E-12	6.25097E-11	1.4E-06	5.2041E-05	8.89E-05	5.38364E-12	8.30619E-12	3.30726E-12	1.70088E-12
700	570830.6	4178799	0.55, 41787	0.33524	0.37796	162.23746	94.66133	21.09567	14.73083	2.20582E-08	1.56E-10	2.221E-08	1.067E-05	3.91E-08	1.071E-05	1.388E-06	8.72E-09	1.397E-06	6.85E-12	2.07E-11	1.2E-11	2.5E-12	6.03E-11	3.33E-12	6.61441E-11	1.481E-06	5.357E-05	9.31E-05	5.69665E-12	8.78912E-12	3.49955E-12	1.79977E-12
701	570870.6	4178799	0.55, 41787	0.35595	0.40358	158.80625	107.46352	19.85078	16.70272	2.34209E-08	1.67E-10	2.359E-08	1.045E-05	4.44E-08	1.049E-05	1.306E-06	8.21E-09	1.314E-06	7.28E-12	2.2E-11	1.27E-11	2.65E-12	6.4E-11	3.53E-12	7.02331E-11	1.573E-06	5.2468E-05	8.76E-05	6.04881E-12	9.33245E-12	3.71588E-12	1.91103E-12
702	570910.6	4178799	0.55, 41787	0.3676	0.41723	150.41188	96.98395	18.80149	15.72408	2.41875E-08	1.73E-10	2.436E-08	9.897E-06	4.01E-08	9.937E-06	1.237E-06	7.77E-09	1.245E-06	7.52E-12	2.27E-11	1.31E-11	2.74E-12	6.61E-11	3.65E-12	7.25323E-11	1.624E-06	4.9685E-05	8.3E-05	6.24683E-12	9.63797E-12	3.83753E-12	1.97359E-12
703	570950.6	4178799	0.55, 41787	0.34637	0.40141	159.46188	87.41269	19.93273	16.48069	2.27906E-08	1.66E-10	2.296E-08	1.049E-05	3.61E-08	1.053E-05	1.312E-06	8.24E-09	1.32E-06	7.08E-12	2.14E-11	1.24E-11	2.58E-12	6.23E-11	3.44E-12	6.83535E-11	1.53E-06	5.2642E-05	8.8E-05	5.88694E-12	9.0827E-12	3.61644E-12	1.85988E-12
704	570990.6	4178799	0.55, 41787	0.35579	0.40756	119.48057	79.68844	17.5796	14.60553	2.34104E-08	1.69E-10	2.358E-08	7.862E-06	3.29E-08	7.895E-06	1.157E-06	7.27E-09	1.164E-06	7.28E-12	2.2E-11	1.27E-11	2.65E-12	6.4E-11	3.53E-12	7.02066E-11	1.572E-06	3.9473E-05	7.76E-05	6.04653E-12	9.32894E-12	3.71448E-12	1.91031E-12
705	571030.6	4178799	0.55, 41787	0.37225	0.416	155.14917	72.93395	24.86673	12.948	2.44934E-08	1.72E-10	2.467E-08	1.021E-05	3.02E-08	1.024E-05	1.636E-06	1.03E-08	1.646E-06	7.61E-12	2.3E-11	1.33E-11	2.77E-12	6.7E-11	3.69E-12	7.34418E-11	1.644E-06	5.1194E-05	0.00011	6.32516E-12	9.75882E-12	3.88565E-12	1.99833E-12
706	571070.6	4178799	0.55, 41787	0.3594	0.40135	158.59146	67.81733	22.65592	11.74555	2.36479E-08	1.66E-10	2.381E-08	1.044E-05	2.80E-08	1.046E-05	1.491E-06	9.37E-09	1.5E-06	7.35E-12	2.22E-11	1.28E-11	2.68E-12	6.47E-11	3.57E-12	7.09063E-11	1.588E-06	5.2315E-05	0.0001	6.10679E-12	9.4219E-12	3.7515E-12	1.92934E-12
707	571110.6	4178799	0.55, 41787	0.34191	0.38638	133.9595	62.41991	16.74494	10.40332	2.24971E-08	1.60E-10	2.266E-08	8.814E-06	2.58E-08	8.84E-06	1.102E-06	6.92E-09	1.109E-06	6.99E-12	2.11E-11	1.22E-11	2.55E-12	6.15E-11	3.39E-12	6.74613E-11	1.51E-06	4.4201E-05	7.39E-05	5.81009E-12	8.96414E-12	3.56923E-12	1.83561E-12
708	571150.6	4178799	0.55, 41787	0.32926	0.37153	140.52662	58.47073	17.56829	9.74512	2.16648E-08	1.54E-10	2.182E-08	9.246E-06	2.42E-08	9.271E-06	1.156E-06	7.26E-09	1.163E-06	6.73E-12	2.03E-11	1.18E-11	2.45E-12	5.92E-11	3.27E-12	6.49646E-11	1.455E-06	4.6353E-05	7.75E-05	5.59507E-12	8.63239E-12	3.43714E-12	1.76767E-12
709	571190.6	4178799	0.55, 41787	0.32393	0.35615	162.80337	55.99612	20.37225	9.46414	2.13141E-08	1.47E-10	2.146E-08	1.071E-05	2.32E-08	1.074E-05	1.34E-06	8.42E-09	1.349E-06	6.62E-12	2E-11	1.16E-11	2.41E-12	5.83E-11	3.21E-12	6.39015E-11	1.431E-06	5.3677E-05	8.99E-05	5.5035E-12	8.49112E-12	3.38089E-12	1.73874E-12
710	571230.6	4178799	0.55, 41787	0.31732	0.33876	141.0743	54.42569	17.72831	9.52966	2.08791E-08	1.40E-10	2.102E-08	9.282E-06	2.25E-08	9.305E-06	1.166E-06	7.33E-09	1.174E-06	6.49E-12	1.96E-11	1.13E-11	2.36E-12	5.71E-11	3.15E-12	6.25851E-11	1.401E-06	4.6525E-05	7.83E-05	5.39013E-12	8.3162E-12	3.31124E-12	1.70292E-12
711	571270.6	4178799	0.55, 41787	0.30415	0.32027	116.54381	51.24633	16.64912	9.13765	2.00126E-08	1.32E-10	2.014E-08	7.668E-06	2.12E-08	7.69E-06	1.095E-06	6.88E-09	1.102E-06	6.22E-12	1.88E-11	1.09E-11	2.26E-12	5.47E-11	3.02E-12	5.99821E-11	1.343E-06	3.8448E-05	7.35E-05	5.16595E-12	7.97032E-12	3.17352E-12	1.6321E-12
712	571310.6	4178799	0.55, 41787	0.28608	0.30211	111.77517	48.08718	15.28029	8.60329	1.88236E-08	1.25E-10	1.895E-08	7.355E-06	1.99E-08	7.375E-06	1.005E-06	6.32E-09	1.012E-06	5.85E-12	1.77E-11	1.02E-11	2.13E-12	5.15E-11	2.84E-12	5.64195E-11	1.263E-06	3.6873E-05	6.74E-05	4.85912E-12	7.49693E-12	2.98504E-12	1.53516E-12
713	571350.6	4178799	0.55, 41787	0.26522	0.28423	116.94553	46.1941	15.97517	8.23917	1.7451E-08	1.18E-10	1.757E-08	7.695E-06	1.91E-08	7.714E-06	1.051E-06	6.61E-09	1.058E-06	5.42E-12	1.64E-11	9.48E-12	1.97E-12	4.77E-11	2.63E-12	5.23107E-11	1.171E-06	3.857E-05	7.05E-05	4.50525E-12	6.95096E-12	2.76765E-12	1.42336E-12
714	571390.6	4178799	0.55, 41787	0.24309	0.26586	101.64822	44.37475	13.96186	7.97488	1.59949E-08	1.10E-10	1.61E-08	6.688E-06	1.83E-08	6.707E-06	9.187E-07	5.77E-09	9.244E-07	4.97E-12	1.5E-11	8.69E-12	1.81E-12	4.37E-11	2.41E-12	4.79525E-11	1.074E-06	3.3533E-05	6.16E-05	4.1299E-12	6.37184E-12	2.53706E-12	1.30478E-12
715	571430.6	4178799	0.55, 41787	0.22645	0.25105	78.66707	42.96369	10.22882	7.75525	1.49E-08	1.04E-10	1.5E-08	5.176E-06	1.78E-08	5.194E-06	6.73E-07	4.23E-09	6.773E-07	4.63E-12	1.4E-11	8.09E-12	1.69E-12	4.07E-11	2.25E-12	4.46742E-11	1E-06	2.597E-05	4.52E-05	3.84756E-12	5.93623E-12	2.36362E-12	1.21557E-12
716	571470.6	4178799	0.55, 41787	0.21325	0.23694	47.64153	41.84289	7.70461	7.45296	1.40315E-08	9.80E-11	1.413E-08	3.135E-06	1.73E-08	3.152E-06	5.07E-07	3.19E-09	5.101E-07	4.36E-12	1.32E-11	7.62E-12	1.59E-12	3.84E-11	2.12E-12	4.20707E-11	9.42E-07	1.576E-05	3.4E-05	3.62334E-12	5.59029E-12	2.22587E-12	1.14474E-12
717	571510.6	4178799	0.55, 41787	0.20623	0.22585	71.44774	40.73398	10.29216	7.00806	1.35696E-08	9.34E-11	1.366E-08	4.701E-06	1.68E-08	4.718E-06	6.772E-07	4.26E-09	6.815E-07	4.22E-12	1.27E-11	7.37E-12	1.54E-12	3.71E-11	2.05E-12	4.06818E-11	9.109E-07	2.359E-05	4.54E-05	3.50371E-12	5.40572E-12	2.15239E-12	1.10694E-12
718	571550.6	4178799	0.55, 41787	0.19818	0.21228	94.10249	39.35835	13.01678	6.4744	1.30399E-08	8.78E-11	1.313E-08	6.192E-06	1.63E-08	6.208E-06	8.565E-07	5.38E-09	8.619E-07	4.05E-12	1.22E-11	7.08E-12	1.48E-12	3.56E-11	1.97E-12	3.90879E-11	8.752E-07	3.104E-05	5.75E-05	3.36644E-12	5.19394E-12	2.06806E-12	1.06357E-12
719	571590.6	4178799	0.55, 41787	0.19254	0.20073	94.76849	37.66806	12.95063	6.01952	1.26688E-08	8.30E-11	1.275E-08	6.236E-06	1.56E-08	6.251E-06	8.521E-07	5.35E-09	8.575E-07	3.93E-12	1.19E-11	6.88E-12	1.43E-12	3.46E-11	1.91E-12	3.79688E-11	8.501E-07	3.1256E-05	5.72E-05	3.27005E-12	5.04522E-12	2.00885E-12	1.03312E-12
720	570310.6	4178839	0.55, 41788	0.10118	0.0904	86.93136	38.98232	10.86642	4.87279	6.65747E-09	3.74E-11	6.695E-09	5.72E-06	1.61E-08	5.736E-06	7.15E-07	4.49E-09	7.195E-07	2.07E-12	6.24E-12	3.61E-12	7.53E-13	1.82E-11	1E-12	1.99341E-11	4.463E-07	2.868E-05	4.8E-05	1.71682E-12	2.6488E-12	1.05467E-12	5.42401E-13
721	570350.6	4178839	0.55, 41788	0.1118	0.10104	92.10266	41.60712	11.51283	5.43734	7.35625E-09	4.18E-11	7.398E-09	6.06E-06	1.72E-08	6.077E-06	7.575E-07	4.76E-09	7.623E-07	2.28E-12	6.89E-12	3.99E-12	8.32E-13	2.01E-11	1.11E-12	2.20278E-11	4.932E-07	3.0387E-05	5.08E-05	1.89714E-12	2.92701E-12	1.16544E-12	5.99371E-13
722	570390.6	4178839	0.55, 41788	0.12335	0.11299	101.58992	44.39945	13.097	6.32134	8.11622E-09	4.67E-11	8.163E-09	6.684E-06	1.84E-08	6.703E-06	8.618E-07	5.42E-09	8.672E-07	2.52E-12	7.61E-12	4.4E-12	9.18E-13	2.22E-11	1.22E-12	2.43053E-11	5.442E-07	3.3514E-05	5.78E-05	2.09329E-12	3.22965E-12	1.28594E-12	6.61342E-13
723	570430.6	4178839	0.55, 41788	0.13612	0.12663	105.75261	46.22171	15.10752	6.99394	8.95647E-09	5.24E-11	9.009E-09	6.958E-06	1.91E-08	6.977E-06	9.94E-07	6.25E-09	1E-06	2.78E-12	8.39E-12	4.86E-12	1.01E-12	2.45E-11	1.35E-12	2.6824E-11	6.006E-07	3.4887E-05	6.67E-05	2.31021E-12	3.56432E-12	1.4192E-12	7.29874E-13
724	570470.6	4178839	0.55, 41788	0.14941	0.1416	113.55911	47.52324	16.22273	7.30549	9.83093E-09	5.85E-11	9.889E-09	7.472E-06	1.96E-08	7.492E-06	1.067E-06	6.71E-09	1.074E-06	3.05E-12	9.21E-12	5.33E-12	1.11E-12	2.69E-11	1.48E-12	2.94461E-11	6.593E-07	3.7458E-05	7.16E-05	2.53604E-12	3.91275E-12	1.55793E-12	8.01222E-13
725	570510.6	4178839	0.55, 41788	0.16314	0.158	114.44641	50.69094	16.21485	7.16417	1.07343E-08	6.53E-11	1.08E-08	7.53E-06	2.10E-08	7.551E-06	1.067E-06	6.70E-09	1.074E-06	3.33E-12	1.01E-11	5.83E-12	1.21E-12	2.93E-11	1.62E-12	3.21562E-11	7.2E-07	3.7757E-05	7.16E-05	2.76945E-12	4.27286E-12	1.70132E-12	8.74963E-13
726	570550.6	4178839	0.55, 41788	0.17704	0.17576	109.2842	56.30775	15.45924	8.75778	1.16489E-08	7.27E-11	1.172E-08	7.191E-06	2.33E-08	7.214E-06	1.017E-06	6.39E-09	1.024E-06	3.62E-12	1.09E-11	6.32E-12	1.32E-12	3.18E-11	1.76E-12	3.49013E-11	7.814E-07	3.607E-05	6.82E-05	3.00587E-12	4.63763E-12	1.84655E-12	9.49657E-13
727	570590.6	4178839	0.55, 41788	0.1907	0.19445	121.04262	57.73789	17.123	9.62298	1.25477E-08	8.04E-11	1.263E-08	7.964E-06	2.39E-08	7.988E-06	1.127E-06	7.08E-09	1.134E-06	3.9E-12	1.18E-11	6.81E-12	1.42E-12	3.43E-11	1.89E-12	3.76005E-11	8.419E-07	3.9941E-05	7.56E-05	3.23834E-12	4.9963E-12	1.98936E-12	1.0231E-12
728	570630.6	4178839	0.55, 41788	0.20316	0.21304	125.84874	56.85617	17.26057	9.47603	1.33676E-08	8.81E-11	1.346E-08	8.281E-06	2.35E-08	8.304E-06	1.136E-06	7.14E-09	1.143E-06	4.15E-12	1.25E-11	7.26E-12	1.51E-12	3.65E-11	2.02E-12	4.00645E-11	8.97E-07	4.1521E-05	7.62E-05	3.45055E-12	5.32371E-12	2.11973E-12	1.09015E-12
729	570670.6	4178839	0.55, 41788	0.21386	0.23043	138.80556	56.19819	17.35069	9.51337	1.40716E-08	9.53E-11	1.417E-08	9.133E-06	2.32E-08	9.156E-06	1.142E-06	7.17E-09	1.149E-06	4.37E-12	1.32E-11	7.64E-12	1.59E-12	3.85E-11	2.12E-12	4.21822E-11	9.445E-07	4.5782E-05	7.66E-05	3.63294E-12	5.6051E-12	2.23177E-12	1.14777E-12
730	570710.6	4178839	0.55, 41788	0.22462	0.24643	139.69865	64.11019	17.46233	11.64998	1.47796E-08	1.02E-10	1.488E-08	9.192E-06	2.65E-08	9.218E-06	1.149E-06	7.22E-09	1.156E-06	4.59E-12	1.39E-11	8.03E-12	1.67E-12	4.04E-11	2.23E-12	4.431E-11	9.921E-07	4.6092E-05	7.71E-05	3.81619E-12	5.88784E-12	2.34435E-12	1.20566E-12
731	570750.6	4178839	0.55, 41788	0.23931	0.26333	129.30344	65.03758	16.25667	13.35444	1.57462E-08	1.09E-10	1.586E-08	8.508E-06	2.69E-08	8.535E-06	1.07E-06	6.72E-09	1.076E-06	4.89E-12	1.48E-11	8.55E-12	1.78E-12	4.31E-11	2.37E-12	4.72088E-11	1.057E-06	4.2674E-05	7.18E-05	4.06585E-12	6.27303E-12	2.49772E-12	1.28454E-12
732	570790.6	4178839	0.55, 41788	0.2546	0.28325	148.04332	66.52984	18.88746	13.10425	1.67523E-08	1.17E-10	1.687E-08	9.741E-06	2.75E-08	9.769E-06	1.243E-06	7.81E-09	1.251E-06	5.21E-12	1.57E-11	9.1E-12	1.9E-12	4.58E-11	2.53E-12	5.02289E-11	1.125E-06	4.8843E-05	8.34E-05	4.32595E-12	6.67433E-12	2.6575E-12	1.36672E-12
733	570830.6	4178839	0.55, 41788	0.26766	0.30497	136.3658	90.38201	17.19519	14.05196	1.76116E-08	1.26E-10	1.774E-08	8.973E-06	3.74E-08	9.01E-06	1.131E-06	7.11E-09	1.139E-06	5.47E-12	1.65E-11	9.57E-12	1.99E-12	4.82E-11	2.66E-12	5.28143E-11	1.183E-06	4.505E-05	7.59E-05	4.54862E-12	7.01787E-12	2.79429E-12	1.43706E-12
734	570870.6	4178839	0.55, 41788	0.28248	0.32215	145.76117	97.26265	18.22015	15.13016	1.85867E-08	1.33E-10	1.872E-08	9.591E-06	4.02E-08	9.631E-06	1.199E-06	7.53E-09	1.206E-06	5.78E-12	1.74E-11	1.01E-11	2.1E-12	5.08E-11	2.8E-12	5.57389E-11	1.248E-06	4.8155E-05	8.04E-05	4.8005E-12	7.40649E-12	2.94903E-12	1.51664E-12
735	570910.6	4178839	0.55, 41788	0.28799	0.33135	130.6935	87.1686	16.33669	13.50967	1.89493E-08	1.37E-10	1.909E-08	8.599E-06	3.60E-08	8.635E-06	1.075E-06	6.75E-09	1.082E-06	5.89E-12	1.78E-11	1.03E-11	2.15E-12	5.18E-11	2.86E-12	5.68297E-11	1.272E-06	4.3177E-05	7.21E-05	4.89445E-12	7.55144E-12	3.00674E-12	1.54632E-12
736	570950.6	4178839	0.55, 41788	0.28758	0.33724	143.26415	81.64199	17.90802	13.93242	1.89223E-08	1.39E-10	1.906E-08	9.427E-06	3.38E-08	9.46E-06	1.178E-06	7.40E-09	1.186E-06	5.88E-12	1.78E-11	1.03E-11	2.14E-12	5.18E-11	2.86E-12	5.67567E-11	1.271E-06	4.7301E-05	7.9E-05	4.88816E-12	7.54173E-12	3.00287E-12	1.54434E-12
737	570990.6	4178839	0.55, 41788	0.28844	0.33412	115.42228	74.82901	15.11344	13.01217	1.89789E-08	1.38E-10	1.912E-08	7.595E-06	3.09E-08	7.626E-06	9.944E-07	6.25E-09	1.001E-06	5.9E-12	1.78E-11	1.03E-11	2.15E-12	5.19E-11	2.86E-12	5.69213E-11	1.274E-06	3.8128E-05	6.67E-05	4.90234E-12	7.56361E-12	3.01159E-12	1.54882E-12
738	571030.6	4178839	0.55, 41788	0.29049	0.32848	122.60648	67.85889	20.43441	11.21527	1.91138E-08	1.36E-10	1.925E-08	8.067E-06	2.81E-08	8.095E-06	1.345E-06	8.45E-09	1.353E-06	5.94E-12	1.79E-11	1.04E-11	2.16E-12	5.23E-11	2.88E-12	5.7316E-11	1.283E-06	4.0477E-05	9.02E-05	4.93633E-12	7.61605E-12	3.03247E-12	1.55955E-12
739	571070.6	4178839	0.55, 41788	0.28682	0.32211	145.80556	62.69899	22.09774	10.44682	1.88723E-08	1.33E-10	1.901E-08	9.594E-06	2.59E-08	9.62E-06	1.454E-06	9.14E-09	1.463E-06	5.86E-12	1.77E-11	1.03E-11	2.14E-12	5.16E-11	2.85E-12	5.65891E-11	1.267E-06	4.8098E-05	9.75E-05	4.87373E-12	7.51947E-12	2.99401E-12	1.53978E-12
740	571110.6	4178839	0.55, 41788	0.272	0.3104	131.09883	59.8466	17.36249	9.97443	1.78971E-08	1.28E-10	1.803E-08	8.626E-06	2.47E-08	8.651E-06	1.142E-06	7.18E-09	1.15E-06	5.56E-12	1.68E-11	9.72E-12	2.03E-12	4.89E-11	2.7E-12	5.36712E-11	1.202E-06	4.3254E-05	7.66E-05	4.62243E-12	7.13174E-12	2.83963E-12	1.46038E-12
741	571150.6	4178839	0.55, 41788	0.26	0.30055	99.99815	55.57889	12.49977	9.26315	1.71076E-08	1.24E-10	1.723E-08	6.58E-06	2.30E-08	6.603E-06	8.225E-07	5.17E-09	8.276E-07	5.32E-12	1.61E-11	9.29E-12	1.94E-12	4.68E-11	2.58E-12	5.13081E-11	1.149E-06	3.3013E-05	5.52E-05	4.4189E-12	6.81774E-12	2.7146E-12	1.39608E-12
742	571190.6	4178839	0.55, 41788	0.2552	0.29099	127.82601	53.11626	15.97966	8.85271	1.67917E-08	1.20E-10	1.691E-08	8.411E-06	2.20E-08	8.433E-06	1.051E-06	6.61E-09	1.058E-06	5.22E-12	1.58E-11	9.12E-12	1.9E-12	4.59E-11	2.53E-12	5.0356E-11	1.127E-06	4.2163E-05	7.05E-05	4.3369E-12	6.69121E-12	2.66423E-12	1.37017E-12
743	571230.6	4178839	0.55, 41788	0.25406	0.28009	144.46225	51.51588	18.06666	8.58598	1.67167E-08	1.16E-10	1.683E-08	9.505E-06	2.13E-08	9.527E-06	1.189E-06	7.47E-09	1.196E-06	5.19E-12	1.57E-11	9.08E-12	1.89E-12	4.57E-11	2.52E-12	5.01192E-11	1.122E-06	4.7633E-05	7.97E-05	4.31651E-12	6.65975E-12	2.6517E-12	1.36373E-12
744	571270.6	4178839	0.55, 41788	0.2507	0.26766	121.82335	49.56018	15.26733	8.26003	1.64956E-08	1.11E-10	1.661E-08	8.016E-06	2.05E-08	8.036E-06	1.005E-06	6.31E-09	1.011E-06	5.12E-12	1.55E-11	8.96E-12	1.87E-12	4.51E-11	2.49E-12	4.94456E-11	1.107E-06	4.0181E-05	6.74E-05	4.2585E-12	6.57025E-12	2.61606E-12	1.3454E-12
745	571310.6	4178839	0.55, 41788	0.24184	0.25433	103.21026	44.65355	14.74432	7.58702	1.59127E-08	1.05E-10	1.602E-08	6.791E-06	1.85E-08	6.81E-06	9.702E-07	6.10E-09	9.762E-07	4.94E-12	1.49E-11	8.64E-12	1.8E-12	4.35E-11	2.4E-12	4.76934E-11	1.068E-06	3.4048E-05	6.51E-05	4.10758E-12	6.33742E-12	2.52336E-12	1.29773E-12
746	571350.6	4178839	0.55, 41788	0.22797	0.24079	99.0464	44.12829	14.35742	7.39344	1.5E-08	9.96E-11	1.51E-08	6.517E-06	1.82E-08	6.535E-06	9.447E-07	5.94E-09	9.506E-07	4.66E-12	1.41E-11	8.14E-12	1.7E-12	4.1E-11	2.26E-12	4.49594E-11	1.007E-06	3.2677E-05	6.34E-05	3.87212E-12	5.97412E-12	2.3787E-12	1.22333E-12
747	571390.6	4178839	0.55, 41788	0.21103	0.22733	102.76287	42.76623	13.91866	7.25999	1.38854E-08	9.40E-11	1.398E-08	6.762E-06	1.77E-08	6.779E-06	9.158E-07	5.75E-09	9.216E-07	4.31E-12	1.3E-11	7.54E-12	1.57E-12	3.8E-11	2.09E-12	4.1624E-11	9.32E-07	3.3897E-05	6.14E-05	3.58486E-12	5.53092E-12	2.20224E-12	1.13258E-12
748	571430.6	4178839	0.55, 41788	0.19469	0.21494	96.70075	41.37793	13.13698	7.12068	1.28103E-08	8.89E-11	1.29E-08	6.363E-06	1.71E-08	6.38E-06	8.644E-07	5.43E-09	8.698E-07	3.98E-12	1.2E-11	6.96E-12	1.45E-12	3.5E-11	1.93E-12	3.84075E-11	8.599E-07	3.1899E-05	5.8E-05	3.30784E-12	5.10352E-12	2.03206E-12	1.04506E-12
749	571470.6	4178839	0.55, 41788	0.18137	0.20392	77.02264	40.18933	10.5662	6.94319	1.19338E-08	8.43E-11	1.202E-08	5.068E-06	1.66E-08	5.085E-06	6.952E-07	4.37E-09	6.996E-07	3.71E-12	1.12E-11	6.48E-12	1.35E-12	3.26E-11	1.8E-12	3.57843E-11	8.012E-07	2.5423E-05	4.66E-05	3.08192E-12	4.75496E-12	1.89327E-12	9.73682E-13
750	571510.6	4178839	0.55, 41788	0.17253	0.19446	52.60803	39.21497	7.34906	6.67327	1.13522E-08	8.04E-11	1.143E-08	3.462E-06	1.62E-08	3.478E-06	4.836E-07	3.04E-09	4.866E-07	3.53E-12	1.07E-11	6.17E-12	1.29E-12	3.1E-11	1.71E-12	3.40408E-11	7.622E-07	1.7389E-05	3.24E-05	2.93175E-12	4.52328E-12	1.80102E-12	9.26241E-13
751	571550.6	4178839	0.55, 41788	0.16797	0.18619	68.59481	38.25365	9.65516	6.29212	1.10521E-08	7.70E-11	1.113E-08	4.513E-06	1.58E-08	4.529E-06	6.353E-07	3.99E-09	6.393E-07	3.43E-12	1.04E-11	6E-12	1.25E-12	3.02E-11	1.67E-12	3.31372E-11	7.419E-07	2.2646E-05	4.26E-05	2.85394E-12	4.40322E-12	1.75322E-12	9.01656E-13
752	571590.6	4178839	0.55, 41788	0.16271	0.17607	86.9293	37.04871	11.93163	5.86384	1.0706E-08	7.28E-11	1.078E-08	5.72E-06	1.53E-08	5.735E-06	7.851E-07	4.93E-09	7.9E-07	3.33E-12	1E-11	5.81E-12	1.21E-12	2.93E-11	1.61E-12	3.20942E-11	7.186E-07	2.8676E-05	5.27E-05	2.76411E-12	4.26463E-12	1.69804E-12	8.73276E-13
753	570839.2	4178446	9.17, 41784	74.46739	6.86955	1115.31188	246.53605	545.24687	92.47095	4.89983E-06	2.84E-09	4.903E-06	7.339E-05	1.02E-07	7.349E-05	3.588E-05	2.25E-07	3.61E-05	1.51E-09	4.57E-09	2.64E-09	5.51E-10	1.33E-08	7.34E-10	1.45978E-08	0.0003268	0.00036744	0.002407	1.25723E-09	1.93973E-09	7.72338E-10	3.97203E-10
754	570839.2	4178486	9.17, 41784	72.70489	8.35312	2611.28562	240.43522	1286.82968	90.10385	4.78386E-06	3.45E-09	4.787E-06	0.0001718	9.94E-08	0.0001719	8.467E-05	5.32E-07	8.52E-05	1.48E-09	4.46E-09	2.58E-09	5.38E-10	1.3E-08	7.17E-10	1.42543E-08	0.0003192	0.00085959	0.00568	1.22765E-09	1.89409E-09	7.54166E-10	3.87857E-10
755	570879.2	4178406	9.17, 41784	9.26791	12.09581	654.37651	281.54322	174.87233	99.71055	6.09813E-07	5.00E-09	6.148E-07	4.306E-05	1.16E-07	4.317E-05	1.151E-05	7.23E-08	1.158E-05	1.9E-10	5.73E-10	3.32E-10	6.91E-11	1.67E-09	9.21E-11	1.83062E-09	4.099E-05	0.00021587	0.000772	1.57662E-10	2.4325E-10	9.68543E-11	4.98108E-11
756	570879.2	4178446	9.17, 41784	110.98197	13.33715	3333.88644	260.53475	1717.50318	91.01179	7.30243E-06	5.51E-09	7.308E-06	0.0002194	1.08E-07	0.0002195	0.000113	7.10E-07	0.0001137	2.26E-09	6.81E-09	3.94E-09	8.21E-10	1.98E-08	1.09E-09	2.17595E-08	0.0004872	0.00109736	0.007581	1.87404E-09	2.89137E-09	1.15125E-09	5.92072E-10
757	570879.2	4178486	9.17, 41784	18.42358	13.79846	473.0449	246.35325	141.68031	100.88031	1.21224E-06	5.71E-09	1.218E-06	3.113E-05	1.02E-07	3.123E-05	9.322E-06	5.86E-08	9.381E-06	3.76E-10	1.13E-09	6.57E-10	1.37E-10	3.31E-09	1.82E-10	3.62646E-09	8.12E-05	0.00015614	0.000625	3.12328E-10	4.81878E-10	1.91868E-10	9.86751E-11
758	570879.2	4178526	9.17, 41785	94.91809	17.71904	3340.71117	271.69492	1490.9797	113.49448	6.24545E-06	7.33E-09	6.253E-06	0.0002198	1.12E-07	0.0002199	9.81E-05	6.16E-07	9.872E-05	1.93E-09	5.83E-09	3.37E-09	7.03E-10	1.7E-08	9.37E-10	1.86178E-08	0.0004169	0.00109963	0.006581	1.60345E-09	2.4739E-09	9.85027E-10	5.06585E-10
759	570879.2	4178566	9.17, 41785	6.34056	7.84517	517.57011	248.69096	138.67192	92.32789	4.17198E-07	3.24E-09	4.204E-07	3.406E-05	1.03E-07	3.416E-05	9.124E-06	5.73E-08	9.182E-06	1.3E-10	3.92E-10	2.27E-10	4.73E-11	1.14E-09	6.3E-11	1.25187E-09	2.803E-05	0.00017079	0.000612	1.07817E-10	1.66347E-10	6.6234E-11	3.40632E-11
760	570919.2	4178366	9.17, 41783	2.36921	8.89638	279.82249	231.14799	50.20448	85.64726	1.5589E-07	3.68E-09	1.596E-07	1.841E-05	9.56E-08	1.851E-05	3.303E-06	2.08E-08	3.324E-06	4.92E-11	1.49E-10	8.61E-11	1.79E-11	4.33E-10	2.39E-11	4.75118E-10	1.064E-05	9.2537E-05	0.000222	4.09195E-11	6.31329E-11	2.51375E-11	1.29279E-11
761	570919.2	4178406	9.17, 41784	7.16288	18.51893	387.12304	281.06153	102.95605	123.97591	4.71306E-07	7.66E-09	4.79E-07	2.547E-05	1.16E-07	2.559E-05	6.774E-06	4.26E-08	6.817E-06	1.48E-10	4.46E-10	2.58E-10	5.38E-11	1.3E-09	7.17E-11	1.42612E-09	3.193E-05	0.00012794	0.000454	1.22824E-10	1.895E-10	7.5453E-11	3.88044E-11
762	570919.2	4178446	9.17, 41784	30.90779	15.96768	761.46723	266.85593	290.35951	97.37786	2.03368E-06	6.60E-09	2.04E-06	5.01E-05	1.10E-07	5.021E-05	1.911E-05	1.20E-07	1.923E-05	6.3E-10	1.9E-09	1.1E-09	2.29E-10	5.54E-09	3.06E-10	6.07498E-09	0.000136	0.00025107	0.001282	5.23207E-10	8.07233E-10	3.21414E-10	1.65299E-10
763	570919.2	4178486	9.17, 41784	29.57453	18.16179	992.62163	281.14129	425.98322	121.6397	1.94595E-06	7.51E-09	1.953E-06	6.531E-05	1.16E-07	6.543E-05	2.803E-05	1.76E-07	2.821E-05	6.03E-10	1.82E-09	1.05E-09	2.2E-10	5.3E-09	2.93E-10	5.81648E-09	0.0001302	0.00032715	0.00188	5.00943E-10	7.72884E-10	3.07737E-10	1.58265E-10
764	570919.2	4178526	9.17, 41785	19.47257	21.77306	427.44744	357.8357	126.47105	151.21701	1.28126E-06	9.00E-09	1.29E-06	2.813E-05	1.48E-07	2.827E-05	8.322E-06	5.23E-08	8.374E-06	3.98E-10	1.2E-09	6.96E-10	1.45E-10	3.5E-09	1.93E-10	3.84179E-09	8.602E-05	0.00014137	0.000558	3.30873E-10	5.1049E-10	2.03261E-10	1.04534E-10
765	570919.2	4178566	9.17, 41785	68.70701	17.81326	3547.24462	326.79695	1121.59815	123.62419	4.52081E-06	7.37E-09	4.528E-06	0.0002334	1.35E-07	0.0002335	7.38E-05	4.64E-07	7.426E-05	1.4E-09	4.22E-09	2.44E-09	5.09E-10	1.23E-08	6.78E-10	1.34827E-08	0.0003019	0.00116769	0.004951	1.1612E-09	1.79156E-09	7.13342E-10	3.66862E-10
766	570959.2	4178326	9.17, 41783	2.08146	12.83514	279.67021	252.56813	42.32993	97.81035	1.36957E-07	5.31E-09	1.423E-07	1.84E-05	1.04E-07	1.851E-05	2.785E-06	1.75E-08	2.803E-06	4.39E-11	1.33E-10	7.67E-11	1.6E-11	3.86E-10	2.13E-11	4.23593E-10	9.484E-06	9.2531E-05	0.000187	3.64818E-11	5.62863E-11	2.24114E-11	1.15259E-11
767	570959.2	4178366	9.17, 41783	2.97969	11.80225	241.09871	252.07126	42.48046	78.75938	1.96059E-07	4.88E-09	2.009E-07	1.586E-05	1.04E-07	1.597E-05	2.795E-06	1.76E-08	2.813E-06	6.2E-11	1.87E-10	1.08E-10	2.26E-11	5.46E-10	3.01E-11	5.98298E-10	1.34E-05	7.9841E-05	0.000188	5.15283E-11	7.95009E-11	3.16547E-11	1.62796E-11
768	570959.2	4178406	9.17, 41784	5.48321	18.00699	312.89849	292.26242	67.10795	111.57482	3.60786E-07	7.45E-09	3.682E-07	2.059E-05	1.21E-07	2.071E-05	4.416E-06	2.77E-08	4.443E-06	1.14E-10	3.43E-10	1.99E-10	4.14E-11	1E-09	5.52E-11	1.09642E-09	2.455E-05	0.00010355	0.000296	9.44287E-11	1.4569E-10	5.80091E-11	2.98332E-11
769	570959.2	4178446	9.17, 41784	13.2141	15.9724	471.07205	258.82785	129.31081	100.45092	8.69466E-07	6.60E-09	8.761E-07	3.1E-05	1.07E-07	3.11E-05	8.508E-06	5.35E-08	8.562E-06	2.7E-10	8.16E-10	4.73E-10	9.85E-11	2.38E-09	1.31E-10	2.60852E-09	5.84E-05	0.00015551	0.000571	2.24658E-10	3.46615E-10	1.38011E-10	7.09771E-11
770	570959.2	4178486	9.17, 41784	61.20406	15.71053	1330.20017	250.50131	539.4281	101.77571	4.02712E-06	6.50E-09	4.034E-06	8.752E-05	1.04E-07	8.763E-05	3.549E-05	2.23E-07	3.572E-05	1.24E-09	3.76E-09	2.18E-09	4.53E-10	1.1E-08	6.04E-10	1.20102E-08	0.0002689	0.00043814	0.002381	1.03438E-09	1.59589E-09	6.35433E-10	3.26794E-10
771	570959.2	4178526	9.17, 41785	233.18259	14.04006	3491.90215	258.73899	1687.05022	110.68808	1.5343E-05	5.81E-09	1.535E-05	0.0002298	1.07E-07	0.0002299	0.000111	6.98E-07	0.0001117	4.74E-09	1.43E-08	8.28E-09	1.73E-09	4.17E-08	2.3E-09	4.57014E-08	0.0010233	0.00114934	0.007447	3.93603E-09	6.07273E-09	2.41797E-09	1.24353E-09
772	570999.2	4178286	9.17, 41782	4.82709	7.01905	541.05323	230.67805	117.6944	82.70868	3.17614E-07	2.90E-09	3.205E-07	3.56E-05	9.54E-08	3.57E-05	7.744E-06	4.87E-08	7.793E-06	9.89E-11	2.99E-10	1.73E-10	3.6E-11	8.7E-10	4.8E-11	9.54345E-10	2.137E-05	0.00017848	0.00052	8.21928E-11	1.26812E-10	5.04923E-11	2.59675E-11
773	570999.2	4178326	9.17, 41783	3.49216	17.23511	334.8047	281.26172	73.88295	121.01705	2.29778E-07	7.13E-09	2.369E-07	2.203E-05	1.16E-07	2.215E-05	4.861E-06	3.05E-08	4.892E-06	7.31E-11	2.21E-10	1.28E-10	2.66E-11	6.43E-10	3.55E-11	7.05388E-10	1.579E-05	0.00011073	0.000326	6.07514E-11	9.37308E-11	3.73206E-11	1.91934E-11
774	570999.2	4178366	9.17, 41783	3.49499	15.86199	258.09779	262.50756	51.99585	99.38677	2.29964E-07	6.56E-09	2.365E-07	1.698E-05	1.09E-07	1.709E-05	3.421E-06	2.15E-08	3.443E-06	7.3E-11	2.2E-10	1.28E-10	2.66E-11	6.42E-10	3.54E-11	7.04252E-10	1.577E-05	8.5455E-05	0.00023	6.06536E-11	9.35798E-11	3.72605E-11	1.91625E-11
775	570999.2	4178406	9.17, 41784	4.67229	14.08019	269.25985	258.20089	48.54927	90.52886	3.07429E-07	5.82E-09	3.133E-07	1.772E-05	1.07E-07	1.782E-05	3.194E-06	2.01E-08	3.215E-06	9.67E-11	2.92E-10	1.69E-10	3.52E-11	8.51E-10	4.69E-11	9.3271E-10	2.088E-05	8.9118E-05	0.000214	8.03295E-11	1.23937E-10	4.93477E-11	2.53788E-11
776	570999.2	4178446	9.17, 41784	8.21208	17.59623	365.10896	254.50285	80.87758	113.65243	5.40341E-07	7.28E-09	5.476E-07	2.402E-05	1.05E-07	2.413E-05	5.322E-06	3.34E-08	5.355E-06	1.69E-10	5.1E-10	2.95E-10	6.16E-11	1.49E-09	8.2E-11	1.63054E-09	3.651E-05	0.00012064	0.000357	1.4043E-10	2.16663E-10	8.62684E-11	4.43666E-11
777	570999.2	4178486	9.17, 41784	18.06608	14.21786	585.19163	263.25351	156.20535	101.07997	1.18872E-06	5.88E-09	1.195E-06	3.85E-05	1.09E-07	3.861E-05	1.028E-05	6.46E-08	1.034E-05	3.69E-10	1.11E-09	6.44E-10	1.34E-10	3.24E-09	1.79E-10	3.55693E-09	7.964E-05	0.00019307	0.00069	3.0634E-10	4.72639E-10	1.8819E-10	9.67834E-11
778	571039.2	4178246	9.17, 41782	16.91212	6.90765	857.31055	271.11205	274.95229	93.64332	1.11279E-06	2.86E-09	1.116E-06	5.641E-05	1.12E-07	5.652E-05	1.809E-05	1.14E-07	1.821E-05	3.44E-10	1.04E-09	6.02E-10	1.25E-10	3.03E-09	1.67E-10	3.32186E-09	7.438E-05	0.00028261	0.001214	2.86094E-10	4.41403E-10	1.75752E-10	9.03869E-11
779	571039.2	4178286	9.17, 41782	28.85834	15.10006	1240.055	260.3069	549.80999	92.85324	1.89883E-06	6.24E-09	1.905E-06	8.159E-05	1.08E-07	8.17E-05	3.618E-05	2.27E-07	3.64E-05	5.88E-10	1.78E-09	1.03E-09	2.14E-10	5.17E-09	2.85E-10	5.6724E-09	0.000127	0.00040851	0.002427	4.88534E-10	7.53738E-10	3.00114E-10	1.54345E-10
780	571039.2	4178326	9.17, 41783	6.67676	17.1171	443.85334	276.43557	131.23026	111.87763	4.3932E-07	7.08E-09	4.464E-07	2.92E-05	1.14E-07	2.932E-05	8.635E-06	5.43E-08	8.689E-06	1.38E-10	4.16E-10	2.41E-10	5.02E-11	1.21E-09	6.69E-11	1.32916E-09	2.976E-05	0.0001466	0.000579	1.14473E-10	1.76616E-10	7.03228E-11	3.6166E-11
781	571039.2	4178366	9.17, 41783	4.40971	16.57374	310.01939	259.88486	73.97776	106.04392	2.90152E-07	6.85E-09	2.97E-07	2.04E-05	1.07E-07	2.051E-05	4.868E-06	3.06E-08	4.898E-06	9.16E-11	2.77E-10	1.6E-10	3.34E-11	8.06E-10	4.45E-11	8.84336E-10	1.98E-05	0.00010253	0.000327	7.61633E-11	1.17509E-10	4.67884E-11	2.40626E-11
782	571039.2	4178406	9.17, 41784	4.40492	15.47088	249.62047	251.60574	54.55389	95.67705	2.89836E-07	6.40E-09	2.962E-07	1.642E-05	1.04E-07	1.653E-05	3.59E-06	2.26E-08	3.612E-06	9.14E-11	2.76E-10	1.6E-10	3.33E-11	8.04E-10	4.44E-11	8.8204E-10	1.975E-05	8.2643E-05	0.000241	7.59655E-11	1.17204E-10	4.66669E-11	2.40001E-11
783	571039.2	4178446	9.17, 41784	6.02235	17.33371	271.18693	258.43077	53.34538	113.33058	3.96261E-07	7.17E-09	4.034E-07	1.784E-05	1.07E-07	1.795E-05	3.51E-06	2.21E-08	3.532E-06	1.24E-10	3.76E-10	2.18E-10	4.53E-11	1.1E-09	6.04E-11	1.20121E-09	2.69E-05	8.9753E-05	0.000235	1.03454E-10	1.59615E-10	6.35537E-11	3.26847E-11
784	571079.2	4178246	9.17, 41782	26.90238	12.76385	686.22219	257.40547	294.80616	92.56412	1.77013E-06	5.28E-09	1.775E-06	4.515E-05	1.06E-07	4.526E-05	1.94E-05	1.22E-07	1.952E-05	5.48E-10	1.65E-09	9.58E-10	2E-10	4.82E-09	2.66E-10	5.28632E-09	0.0001184	0.00022629	0.001301	4.55283E-10	7.02437E-10	2.79688E-10	1.43839E-10
785	571079.2	4178286	9.17, 41782	49.90964	15.92317	957.6563	283.49226	414.11972	108.09945	3.28397E-06	6.58E-09	3.291E-06	6.301E-05	1.17E-07	6.313E-05	2.725E-05	1.71E-07	2.742E-05	1.02E-09	3.07E-09	1.77E-09	3.7E-10	8.93E-09	4.93E-10	9.79769E-09	0.0002194	0.00031565	0.001828	8.43824E-10	1.3019E-09	5.18375E-10	2.66593E-10
786	571079.2	4178326	9.17, 41783	16.67986	14.36437	793.60016	243.70787	313.14105	91.11491	1.09751E-06	5.94E-09	1.103E-06	5.222E-05	1.01E-07	5.232E-05	2.06E-05	1.29E-07	2.073E-05	3.41E-10	1.03E-09	5.95E-10	1.24E-10	3E-09	1.65E-10	3.28553E-09	7.356E-05	0.00026159	0.001382	2.82966E-10	4.36576E-10	1.73831E-10	8.93986E-11
787	571079.2	4178366	9.17, 41783	6.18218	17.09307	419.38901	255.0076	110.95083	108.56867	4.06777E-07	7.07E-09	4.138E-07	2.76E-05	1.05E-07	2.77E-05	7.3E-06	4.59E-08	7.346E-06	1.28E-10	3.86E-10	2.23E-10	4.65E-11	1.12E-09	6.2E-11	1.23223E-09	2.759E-05	0.0001385	0.00049	1.06126E-10	1.63737E-10	6.51947E-11	3.35287E-11
788	571079.2	4178406	9.17, 41784	4.42977	14.91	310.20505	209.99469	72.09993	91.11305	2.91471E-07	6.16E-09	2.976E-07	2.041E-05	8.68E-08	2.05E-05	4.744E-06	2.98E-08	4.774E-06	9.18E-11	2.77E-10	1.61E-10	3.35E-11	8.08E-10	4.46E-11	8.86218E-10	1.984E-05	0.00010249	0.000318	7.63254E-11	1.17759E-10	4.68879E-11	2.41138E-11
789	571119.2	4178286	9.17, 41782	25.0824	15.07438	507.91812	256.39153	211.8106	106.96205	1.65038E-06	6.23E-09	1.657E-06	3.342E-05	1.06E-07	3.353E-05	1.394E-05	8.76E-08	1.402E-05	5.11E-10	1.54E-09	8.94E-10	1.86E-10	4.5E-09	2.48E-10	4.9326E-09	0.0001104	0.00016763	0.000935	4.24819E-10	6.55435E-10	2.60973E-10	1.34215E-10
790	571119.2	4178326	9.17, 41783	197.49067	14.51391	3348.29445	230.6601	1622.72219	95.52079	1.29946E-05	6.00E-09	1.3E-05	0.0002203	9.54E-08	0.0002204	0.0001068	6.71E-07	0.0001074	4.01E-09	1.21E-08	7.01E-09	1.46E-09	3.53E-08	1.95E-09	3.87094E-08	0.0008667	0.00110204	0.007163	3.33384E-09	5.14364E-09	2.04803E-09	1.05327E-09
791	571119.2	4178366	9.17, 41783	10.01384	12.46582	630.48898	206.62645	198.58486	83.22549	6.58894E-07	5.15E-09	6.64E-07	4.149E-05	8.54E-08	4.157E-05	1.307E-05	8.21E-08	1.315E-05	2.05E-10	6.19E-10	3.58E-10	7.46E-11	1.8E-09	9.95E-11	1.97722E-09	4.427E-05	0.00020785	0.000877	1.70287E-10	2.62729E-10	1.0461E-10	5.37996E-11
792	571159.2	4178326	9.17, 41783	219.15803	19.05137	3124.9508	277.70648	1560.39264	128.55095	1.44202E-05	7.88E-09	1.443E-05	0.0002056	1.15E-07	0.0002057	0.0001027	6.45E-07	0.0001033	4.45E-09	1.34E-08	7.78E-09	1.62E-09	3.92E-08	2.16E-09	4.296E-08	0.0009619	0.00102866	0.006888	3.69992E-09	5.70845E-09	2.27292E-09	1.16893E-09
793	570808.8	4178465	8.82, 41784	10.95844	3.34212	1253.90468	193.66587	302.59047	56.7134	7.21047E-07	1.38E-09	7.224E-07	8.25E-05	8.01E-08	8.258E-05	1.991E-05	1.25E-07	2.004E-05	2.23E-10	6.73E-10	3.9E-10	8.12E-11	1.96E-09	1.08E-10	2.15105E-09	4.816E-05	0.00041292	0.001336	1.85258E-10	2.85827E-10	1.13807E-10	5.85295E-11
794	570823.9	4178530	3.91, 41785	3.05561	3.25593	358.64643	197.99385	70.39413	63.38636	2.01054E-07	1.35E-09	2.024E-07	2.36E-05	8.19E-08	2.368E-05	4.632E-06	2.91E-08	4.661E-06	6.25E-11	1.89E-10	1.09E-10	2.28E-11	5.5E-10	3.03E-11	6.02651E-10	1.349E-05	0.0001184	0.000311	5.19032E-11	8.00792E-11	3.1885E-11	1.6398E-11
795	570883.3	4178602	3.31, 41786	3.07425	4.49746	479.66242	287.53386	94.76169	103.00469	2.02281E-07	1.86E-09	2.041E-07	3.156E-05	1.19E-07	3.168E-05	6.235E-06	3.92E-08	6.274E-06	6.3E-11	1.9E-10	1.1E-10	2.29E-11	5.54E-10	3.06E-11	6.07831E-10	1.361E-05	0.0001584	0.000418	5.23493E-11	8.07676E-11	3.21591E-11	1.65389E-11
796	571181.5	4178310	1.45, 41783	77.30582	13.12592	2585.53888	242.23364	872.95261	114.20023	5.08659E-06	5.43E-09	5.092E-06	0.0001701	1.00E-07	0.0001702	5.744E-05	3.61E-07	5.78E-05	1.57E-09	4.74E-09	2.75E-09	5.72E-10	1.38E-08	7.63E-10	1.51616E-08	0.0003395	0.00085112	0.003853	1.30579E-09	2.01465E-09	8.02168E-10	4.12543E-10
797	571067.8	4178207	7.83, 41782	5.36607	4.9243	895.65181	299.02694	223.56067	96.05921	3.53078E-07	2.04E-09	3.551E-07	5.893E-05	1.24E-07	5.906E-05	1.471E-05	9.24E-08	1.48E-05	1.1E-10	3.31E-10	1.92E-10	3.99E-11	9.64E-10	5.32E-11	1.05736E-09	2.367E-05	0.00029528	0.000987	9.1065E-11	1.405E-10	5.59427E-11	2.87705E-11
798	570799.9	4178447	9.89, 41784	4.88888	2.78293	732.83791	152.28075	142.77112	52.0733	3.2168E-07	1.15E-09	3.228E-07	4.822E-05	6.30E-08	4.828E-05	9.394E-06	5.90E-08	9.453E-06	9.96E-11	3.01E-10	1.74E-10	3.63E-11	8.77E-10	4.84E-11	9.61235E-10	2.152E-05	0.00024141	0.00063	8.27862E-11	1.27727E-10	5.08569E-11	2.6155E-11

Beryllium

	Trenching	Grading
Emissions Rate (g/s):	1.50E-10	9.45E-13

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	8.4	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	8.4	10	2	70	0.85
2<9	631	1	0.854795	0.000001	8.4	3	0.75	70	0.72
Student	520	1	0.493151	0.000001	8.4	3	3	70	1
Worker	230	1	0.684932	0.000001	8.4	1	3	70	1

Beryllium

	Chronic (Annu	Acute (1hr)	8hr
REL:	0.007	1	1

				Concentration [µg/m^3] at 1 g/s						Concentration (µg/m^3) Unmitigated									Unmitigated Residential Dose			Risk by Age Group				Unmitigated			Student Unmitigated		Worker Unmitigated	
#	X	Y	X,Y	Trenching Period	Grading Period	Treching 1hr	Grading 1hr	Trenching 8hr	Grading 8hr	Trenching Period	Grading Period	Period Total	Treching 1h	Grading 1hr	1hr Total	renching 8h	Grading 8hr	8hr Total	3rd	0<2	2<9	3rd	0<2	2<9	Total Risk	Chronic	Acute	8hr	Dose	Risk	Dose	Risk
1	570310.6	4177919	0.55, 41779	0.08215	0.06425	53.98877	25.74637	6.7486	3.78109	1.2353E-11	6.07E-14	1.24E-11	8.12E-09	2.43E-11	8.14E-09	1.01E-09	6.38E-12	1.02E-09	3.83E-15	1.16E-14	6.7E-15	9.77E-16	2.36E-14	1.3E-15	2.58734E-14	1.163E-06	8.1427E-09	1.02E-09	3.18335E-15	3.43801E-15	1.95558E-15	7.04009E-16
2	570350.6	4177919	0.55, 41779	0.08744	0.06946	61.34869	26.43683	7.66859	3.66465	1.31484E-11	6.56E-14	1.32E-11	9.23E-09	2.50E-11	9.25E-09	1.15E-09	7.25E-12	1.16E-09	4.08E-15	1.23E-14	7.13E-15	1.04E-15	2.51E-14	1.39E-15	2.75416E-14	1.321E-06	9.25E-09	1.16E-09	3.3886E-15	3.65968E-15	2.08167E-15	7.49401E-16
3	570390.6	4177919	0.55, 41779	0.09273	0.07514	67.57642	27.23616	8.44705	3.80844	1.39439E-11	7.10E-14	1.4E-11	1.02E-08	2.57E-11	1.02E-08	1.27E-09	7.98E-12	1.28E-09	4.32E-15	1.31E-14	7.56E-15	1.1E-15	2.66E-14	1.47E-15	2.92108E-14	1.455E-06	1.0187E-08	1.28E-09	3.59396E-15	3.88148E-15	2.20783E-15	7.94818E-16
4	570430.6	4177919	0.55, 41779	0.09799	0.08123	71.34976	28.07066	8.91872	4.01428	1.47349E-11	7.68E-14	1.48E-11	1.07E-08	2.65E-11	1.08E-08	1.34E-09	8.43E-12	1.35E-09	4.57E-15	1.38E-14	7.99E-15	1.17E-15	2.82E-14	1.55E-15	3.08713E-14	1.536E-06	1.0755E-08	1.35E-09	3.79827E-15	4.10213E-15	2.33334E-15	8.40001E-16
5	570470.6	4177919	0.55, 41779	0.10292	0.08757	71.34124	28.88227	8.91766	4.18506	1.54762E-11	8.27E-14	1.56E-11	1.07E-08	2.73E-11	1.08E-08	1.34E-09	8.43E-12	1.35E-09	4.8E-15	1.45E-14	8.39E-15	1.22E-15	2.96E-14	1.63E-15	3.24289E-14	1.536E-06	1.0755E-08	1.35E-09	3.98991E-15	4.3091E-15	2.45106E-15	8.82383E-16
6	570510.6	4177919	0.55, 41779	0.10719	0.09397	70.57748	29.51269	8.82218	4.31581	1.61183E-11	8.88E-14	1.62E-11	1.06E-08	2.79E-11	1.06E-08	1.33E-09	8.34E-12	1.33E-09	5E-15	1.51E-14	8.74E-15	1.28E-15	3.08E-14	1.7E-15	3.37798E-14	1.52E-06	1.0641E-08	1.33E-09	4.15611E-15	4.4886E-15	2.55317E-15	9.1914E-16
7	570550.6	4177919	0.55, 41779	0.11095	0.10041	80.02506	30.00614	10.00313	4.88273	1.66837E-11	9.49E-14	1.68E-11	1.2E-08	2.84E-11	1.21E-08	1.5E-09	9.45E-12	1.51E-09	5.18E-15	1.56E-14	9.05E-15	1.32E-15	3.19E-14	1.76E-15	3.49709E-14	1.723E-06	1.2062E-08	1.51E-09	4.30266E-15	4.64688E-15	2.6432E-15	9.5155E-16
8	570590.6	4177919	0.55, 41779	0.11537	0.10684	81.14556	31.22548	10.14319	5.49199	1.73483E-11	1.01E-13	1.74E-11	1.22E-08	2.95E-11	1.22E-08	1.53E-09	9.58E-12	1.53E-09	5.38E-15	1.63E-14	9.41E-15	1.37E-15	3.32E-14	1.83E-15	3.63689E-14	1.747E-06	1.2231E-08	1.53E-09	4.47466E-15	4.83263E-15	2.74886E-15	9.89588E-16
9	570630.6	4177919	0.55, 41779	0.12154	0.11343	82.02682	32.76834	10.54682	6.07261	1.82761E-11	1.07E-13	1.84E-11	1.23E-08	3.10E-11	1.24E-08	1.59E-09	9.97E-12	1.6E-09	5.67E-15	1.71E-14	9.92E-15	1.45E-15	3.49E-14	1.93E-15	3.83156E-14	1.766E-06	1.2365E-08	1.6E-09	4.71418E-15	5.09131E-15	2.896E-15	1.04256E-15
10	570670.6	4177919	0.55, 41779	0.12896	0.11974	90.28793	34.09351	12.11861	6.60764	1.93918E-11	1.13E-13	1.95E-11	1.36E-08	3.22E-11	1.36E-08	1.82E-09	1.15E-11	1.83E-09	6.02E-15	1.82E-14	1.05E-14	1.53E-15	3.71E-14	2.05E-15	4.06536E-14	1.944E-06	1.3609E-08	1.83E-09	5.00183E-15	5.40197E-15	3.0727E-15	1.10617E-15
11	570710.6	4177919	0.55, 41779	0.13589	0.12543	92.03158	38.34133	11.50395	7.03486	2.04339E-11	1.19E-13	2.06E-11	1.38E-08	3.62E-11	1.39E-08	1.73E-09	1.09E-11	1.74E-09	6.34E-15	1.91E-14	1.11E-14	1.62E-15	3.91E-14	2.16E-15	4.28367E-14	1.982E-06	1.3875E-08	1.74E-09	5.27043E-15	5.69207E-15	3.23771E-15	1.16558E-15
12	570750.6	4177919	0.55, 41779	0.14097	0.13029	98.93292	42.68075	12.36662	7.25038	2.11978E-11	1.23E-13	2.13E-11	1.49E-08	4.03E-11	1.49E-08	1.86E-09	1.17E-11	1.87E-09	6.58E-15	1.99E-14	1.15E-14	1.68E-15	4.05E-14	2.24E-15	4.44384E-14	2.131E-06	1.4917E-08	1.87E-09	5.4675E-15	5.9049E-15	3.35877E-15	1.20916E-15
13	570790.6	4177919	0.55, 41779	0.1434	0.13429	101.78306	44.96916	12.72288	7.16867	2.15632E-11	1.27E-13	2.17E-11	1.53E-08	4.25E-11	1.53E-08	1.91E-09	1.20E-11	1.93E-09	6.69E-15	2.02E-14	1.17E-14	1.71E-15	4.12E-14	2.27E-15	4.52079E-14	2.193E-06	1.5348E-08	1.93E-09	5.56217E-15	6.00715E-15	3.41693E-15	1.2301E-15
14	570830.6	4177919	0.55, 41779	0.14249	0.1373	103.05806	46.92439	12.88226	6.63254	2.14264E-11	1.30E-13	2.16E-11	1.55E-08	4.43E-11	1.55E-08	1.94E-09	1.22E-11	1.95E-09	6.65E-15	2.01E-14	1.16E-14	1.7E-15	4.1E-14	2.26E-15	4.49286E-14	2.22E-06	1.5541E-08	1.95E-09	5.52781E-15	5.97004E-15	3.39583E-15	1.2225E-15
15	570870.6	4177919	0.55, 41779	0.13915	0.13926	113.81753	49.41272	14.22719	6.17659	2.09241E-11	1.32E-13	2.11E-11	1.71E-08	4.67E-11	1.72E-08	2.14E-09	1.34E-11	2.15E-09	6.5E-15	1.96E-14	1.14E-14	1.66E-15	4E-14	2.21E-15	4.38857E-14	2.452E-06	1.7162E-08	2.15E-09	5.39949E-15	5.83145E-15	3.317E-15	1.19412E-15
16	570910.6	4177919	0.55, 41779	0.13537	0.14116	103.09741	52.00284	16.13684	6.50036	2.03557E-11	1.33E-13	2.05E-11	1.55E-08	4.91E-11	1.56E-08	2.43E-09	1.52E-11	2.44E-09	6.32E-15	1.91E-14	1.11E-14	1.61E-15	3.89E-14	2.15E-15	4.27047E-14	2.222E-06	1.5552E-08	2.44E-09	5.25419E-15	5.67453E-15	3.22774E-15	1.16199E-15
17	570950.6	4177919	0.55, 41779	0.13129	0.14261	128.63222	54.75687	19.7206	7.6051	1.97422E-11	1.35E-13	1.99E-11	1.93E-08	5.17E-11	1.94E-08	2.97E-09	1.86E-11	2.98E-09	6.13E-15	1.85E-14	1.07E-14	1.56E-15	3.78E-14	2.08E-15	4.14288E-14	2.771E-06	1.9394E-08	2.98E-09	5.09722E-15	5.50499E-15	3.1313E-15	1.12727E-15
18	570990.6	4177919	0.55, 41779	0.12715	0.1442	126.51514	58.01026	18.07359	9.36612	1.91197E-11	1.36E-13	1.93E-11	1.9E-08	5.48E-11	1.91E-08	2.72E-09	1.71E-11	2.73E-09	5.94E-15	1.79E-14	1.04E-14	1.52E-15	3.66E-14	2.02E-15	4.01344E-14	2.726E-06	1.9079E-08	2.73E-09	4.93796E-15	5.333E-15	3.03347E-15	1.09205E-15
19	571030.6	4177919	0.55, 41779	0.12254	0.14609	125.39004	62.99788	17.19472	10.49965	1.84265E-11	1.38E-13	1.86E-11	1.89E-08	5.95E-11	1.89E-08	2.59E-09	1.62E-11	2.6E-09	5.73E-15	1.73E-14	1E-14	1.46E-15	3.53E-14	1.95E-15	3.86933E-14	2.702E-06	1.8915E-08	2.6E-09	4.76065E-15	5.1415E-15	2.92455E-15	1.05284E-15
20	571070.6	4177919	0.55, 41779	0.1201	0.14847	126.80092	67.58831	16.22667	10.87469	1.80596E-11	1.40E-13	1.82E-11	1.91E-08	6.39E-11	1.91E-08	2.44E-09	1.53E-11	2.46E-09	5.62E-15	1.7E-14	9.82E-15	1.43E-15	3.46E-14	1.91E-15	3.79333E-14	2.733E-06	1.9131E-08	2.46E-09	4.66714E-15	5.04051E-15	2.8671E-15	1.03216E-15
21	571110.6	4177919	0.55, 41779	0.1205	0.15044	126.62476	68.47754	20.2586	9.61445	1.81197E-11	1.42E-13	1.83E-11	1.9E-08	6.47E-11	1.91E-08	3.05E-09	1.91E-11	3.07E-09	5.64E-15	1.7E-14	9.85E-15	1.44E-15	3.47E-14	1.91E-15	3.80625E-14	2.729E-06	1.9105E-08	3.07E-09	4.68304E-15	5.05769E-15	2.87687E-15	1.03567E-15
22	571150.6	4177919	0.55, 41779	0.1212	0.15159	131.66409	62.22893	21.10658	9.19459	1.8225E-11	1.43E-13	1.84E-11	1.98E-08	5.88E-11	1.99E-08	3.17E-09	1.99E-11	3.19E-09	5.67E-15	1.71E-14	9.91E-15	1.45E-15	3.49E-14	1.93E-15	3.82842E-14	2.837E-06	1.9857E-08	3.19E-09	4.71031E-15	5.08714E-15	2.89362E-15	1.0417E-15
23	571190.6	4177919	0.55, 41779	0.12215	0.15198	137.85581	66.48698	19.69369	10.25241	1.83678E-11	1.44E-13	1.85E-11	2.07E-08	6.28E-11	2.08E-08	2.96E-09	1.86E-11	2.98E-09	5.71E-15	1.72E-14	9.98E-15	1.46E-15	3.52E-14	1.94E-15	3.85827E-14	2.97E-06	2.0792E-08	2.98E-09	4.74704E-15	5.1268E-15	2.91618E-15	1.04983E-15
24	571230.6	4177919	0.55, 41779	0.12354	0.15154	148.65332	75.08948	21.23619	9.50538	1.85768E-11	1.43E-13	1.87E-11	2.24E-08	7.10E-11	2.24E-08	3.19E-09	2.01E-11	3.21E-09	5.78E-15	1.74E-14	1.01E-14	1.47E-15	3.56E-14	1.96E-15	3.90175E-14	3.203E-06	2.2424E-08	3.21E-09	4.80053E-15	5.18458E-15	2.94905E-15	1.06166E-15
25	571270.6	4177919	0.55, 41779	0.12544	0.15047	135.01221	73.55453	18.66937	9.80753	1.88625E-11	1.42E-13	1.9E-11	2.03E-08	6.95E-11	2.04E-08	2.81E-09	1.76E-11	2.82E-09	5.86E-15	1.77E-14	1.03E-14	1.5E-15	3.61E-14	1.99E-15	3.96109E-14	2.91E-06	2.0371E-08	2.82E-09	4.87354E-15	5.26342E-15	2.9939E-15	1.0778E-15
26	571310.6	4177919	0.55, 41779	0.12844	0.14895	144.25948	74.57026	18.03243	9.63087	1.93137E-11	1.41E-13	1.95E-11	2.17E-08	7.05E-11	2.18E-08	2.71E-09	1.70E-11	2.73E-09	6E-15	1.81E-14	1.05E-14	1.53E-15	3.7E-14	2.04E-15	4.05481E-14	3.109E-06	2.1763E-08	2.73E-09	4.98885E-15	5.38796E-15	3.06473E-15	1.1033E-15
27	571350.6	4177919	0.55, 41779	0.13264	0.1484	134.13439	65.82548	16.7668	8.49886	1.99452E-11	1.40E-13	2.01E-11	2.02E-08	6.22E-11	2.02E-08	2.52E-09	1.58E-11	2.54E-09	6.2E-15	1.87E-14	1.08E-14	1.58E-15	3.82E-14	2.11E-15	4.18634E-14	2.89E-06	2.0232E-08	2.54E-09	5.15068E-15	5.56273E-15	3.16414E-15	1.13909E-15
28	571390.6	4177919	0.55, 41779	0.13487	0.1464	140.45529	51.40311	17.55691	7.98518	2.02805E-11	1.38E-13	2.04E-11	2.11E-08	4.86E-11	2.12E-08	2.64E-09	1.66E-11	2.66E-09	6.3E-15	1.9E-14	1.1E-14	1.61E-15	3.88E-14	2.14E-15	4.25583E-14	3.024E-06	2.1169E-08	2.66E-09	5.23618E-15	5.65508E-15	3.21667E-15	1.158E-15
29	571430.6	4177919	0.55, 41779	0.14548	0.15293	139.19794	49.3636	17.39974	7.65374	2.1876E-11	1.45E-13	2.2E-11	2.09E-08	4.66E-11	2.1E-08	2.62E-09	1.64E-11	2.63E-09	6.8E-15	2.05E-14	1.19E-14	1.73E-15	4.19E-14	2.31E-15	4.58965E-14	2.997E-06	2.0978E-08	2.63E-09	5.6469E-15	6.09865E-15	3.46898E-15	1.24883E-15
30	571470.6	4177919	0.55, 41779	0.15916	0.16179	134.87595	45.89373	16.85949	6.86379	2.39331E-11	1.53E-13	2.41E-11	2.03E-08	4.34E-11	2.03E-08	2.54E-09	1.59E-11	2.55E-09	7.43E-15	2.24E-14	1.3E-14	1.9E-15	4.58E-14	2.53E-15	5.02014E-14	2.904E-06	2.0325E-08	2.55E-09	6.17656E-15	6.67068E-15	3.79436E-15	1.36597E-15
31	571510.6	4177919	0.55, 41779	0.17426	0.17151	122.2315	42.4201	15.27894	5.85942	2.62037E-11	1.62E-13	2.64E-11	1.84E-08	4.01E-11	1.84E-08	2.3E-09	1.44E-11	2.31E-09	8.14E-15	2.46E-14	1.42E-14	2.07E-15	5.01E-14	2.76E-15	5.49531E-14	2.631E-06	1.842E-08	2.31E-09	6.76118E-15	7.30208E-15	4.1535E-15	1.49526E-15
32	571550.6	4177919	0.55, 41779	0.18787	0.18026	112.99449	35.73716	14.12431	5.76206	2.82502E-11	1.70E-13	2.84E-11	1.7E-08	3.38E-11	1.7E-08	2.12E-09	1.33E-11	2.14E-09	8.77E-15	2.65E-14	1.53E-14	2.24E-15	5.4E-14	2.98E-15	5.92359E-14	2.432E-06	1.7025E-08	2.14E-09	7.28812E-15	7.87117E-15	4.47721E-15	1.61179E-15
33	571590.6	4177919	0.55, 41779	0.19949	0.18751	94.68734	29.26563	11.83592	5.30509	2.99975E-11	1.77E-13	3.02E-11	1.42E-08	2.77E-11	1.43E-08	1.78E-09	1.12E-11	1.79E-09	9.31E-15	2.81E-14	1.63E-14	2.37E-15	5.74E-14	3.16E-15	6.2892E-14	2.038E-06	1.4266E-08	1.79E-09	7.73795E-15	8.35699E-15	4.75355E-15	1.71128E-15
34	570310.6	4177959	0.55, 41779	0.08597	0.06676	56.89619	26.25101	7.11202	4.18522	1.29274E-11	6.31E-14	1.3E-11	8.56E-09	2.48E-11	8.58E-09	1.07E-09	6.72E-12	1.08E-09	4.01E-15	1.21E-14	7.01E-15	1.02E-15	2.47E-14	1.36E-15	2.70756E-14	1.226E-06	8.5803E-09	1.08E-09	3.33126E-15	3.59776E-15	2.04645E-15	7.3672E-16
35	570350.6	4177959	0.55, 41779	0.09204	0.07257	58.96006	27.16756	7.37001	4.19821	1.38402E-11	6.86E-14	1.39E-11	8.87E-09	2.57E-11	8.89E-09	1.11E-09	6.96E-12	1.12E-09	4.29E-15	1.3E-14	7.5E-15	1.09E-15	2.64E-14	1.46E-15	2.89894E-14	1.27E-06	8.8916E-09	1.12E-09	3.56673E-15	3.85207E-15	2.1911E-15	7.88796E-16
36	570390.6	4177959	0.55, 41779	0.09833	0.07904	63.0038	28.02201	7.87548	4.15896	1.4786E-11	7.47E-14	1.49E-11	9.47E-09	2.65E-11	9.5E-09	1.18E-09	7.44E-12	1.19E-09	4.59E-15	1.38E-14	8.02E-15	1.17E-15	2.82E-14	1.56E-15	3.09736E-14	1.357E-06	9.5004E-09	1.19E-09	3.81085E-15	4.11571E-15	2.34106E-15	8.42783E-16
37	570430.6	4177959	0.55, 41779	0.10461	0.08611	70.72142	28.76698	8.84018	4.23038	1.57303E-11	8.14E-14	1.58E-11	1.06E-08	2.72E-11	1.07E-08	1.33E-09	8.35E-12	1.34E-09	4.88E-15	1.47E-14	8.53E-15	1.24E-15	3.01E-14	1.66E-15	3.29557E-14	1.523E-06	1.0662E-08	1.34E-09	4.05472E-15	4.3791E-15	2.49088E-15	8.96717E-16
38	570470.6	4177959	0.55, 41779	0.11098	0.09385	78.78718	29.82596	9.8484	4.47695	1.66882E-11	8.87E-14	1.68E-11	1.18E-08	2.82E-11	1.19E-08	1.48E-09	9.31E-12	1.49E-09	5.18E-15	1.56E-14	9.05E-15	1.32E-15	3.19E-14	1.76E-15	3.49674E-14	1.696E-06	1.1875E-08	1.49E-09	4.30223E-15	4.64641E-15	2.64293E-15	9.51455E-16
39	570510.6	4177959	0.55, 41779	0.1169	0.10189	83.26174	30.87615	10.40772	4.70339	1.75784E-11	9.63E-14	1.77E-11	1.25E-08	2.92E-11	1.25E-08	1.57E-09	9.83E-12	1.57E-09	5.45E-15	1.65E-14	9.53E-15	1.39E-15	3.36E-14	1.85E-15	3.68386E-14	1.793E-06	1.2549E-08	1.57E-09	4.53246E-15	4.89506E-15	2.78436E-15	1.00237E-15
40	570550.6	4177959	0.55, 41779	0.12213	0.11	82.46075	31.83495	10.30759	4.9071	1.83648E-11	1.04E-13	1.85E-11	1.24E-08	3.01E-11	1.24E-08	1.55E-09	9.74E-12	1.56E-09	5.7E-15	1.72E-14	9.96E-15	1.45E-15	3.51E-14	1.94E-15	3.84938E-14	1.776E-06	1.243E-08	1.56E-09	4.7361E-15	5.11499E-15	2.90946E-15	1.04741E-15
41	570590.6	4177959	0.55, 41779	0.1275	0.1185	87.61849	32.53805	10.95231	5.6614	1.91723E-11	1.12E-13	1.93E-11	1.32E-08	3.07E-11	1.32E-08	1.65E-09	1.03E-11	1.66E-09	5.95E-15	1.8E-14	1.04E-14	1.52E-15	3.67E-14	2.02E-15	4.01935E-14	1.887E-06	1.3206E-08	1.66E-09	4.94523E-15	5.34085E-15	3.03793E-15	1.09366E-15
42	570630.6	4177959	0.55, 41779	0.13429	0.12721	94.25098	33.95012	11.78137	6.34882	2.01933E-11	1.20E-13	2.03E-11	1.42E-08	3.21E-11	1.42E-08	1.77E-09	1.11E-11	1.78E-09	6.27E-15	1.89E-14	1.1E-14	1.6E-15	3.86E-14	2.13E-15	4.23388E-14	2.029E-06	1.4205E-08	1.78E-09	5.20917E-15	5.6259E-15	3.20008E-15	1.15203E-15
43	570670.6	4177959	0.55, 41779	0.1434	0.13582	91.47953	35.4429	12.89467	6.97952	2.15632E-11	1.28E-13	2.17E-11	1.38E-08	3.35E-11	1.38E-08	1.94E-09	1.22E-11	1.95E-09	6.69E-15	2.02E-14	1.17E-14	1.71E-15	4.12E-14	2.27E-15	4.52109E-14	1.97E-06	1.3789E-08	1.95E-09	5.56254E-15	6.00755E-15	3.41716E-15	1.23018E-15
44	570710.6	4177959	0.55, 41779	0.15342	0.14402	103.54122	38.62398	12.94265	7.57754	2.30699E-11	1.36E-13	2.32E-11	1.56E-08	3.65E-11	1.56E-08	1.95E-09	1.22E-11	1.96E-09	7.16E-15	2.16E-14	1.25E-14	1.83E-15	4.41E-14	2.43E-15	4.83675E-14	2.229E-06	1.5606E-08	1.96E-09	5.95091E-15	6.42698E-15	3.65574E-15	1.31607E-15
45	570750.6	4177959	0.55, 41779	0.16261	0.1515	105.52732	44.38977	13.19092	8.09206	2.44518E-11	1.43E-13	2.46E-11	1.59E-08	4.19E-11	1.59E-08	1.98E-09	1.25E-11	2E-09	7.59E-15	2.29E-14	1.33E-14	1.94E-15	4.67E-14	2.58E-15	5.12624E-14	2.273E-06	1.591E-08	2E-09	6.3071E-15	6.81167E-15	3.87455E-15	1.39484E-15
46	570790.6	4177959	0.55, 41779	0.16989	0.15823	113.60479	47.24143	14.2006	8.3928	2.55465E-11	1.50E-13	2.57E-11	1.71E-08	4.46E-11	1.71E-08	2.14E-09	1.34E-11	2.15E-09	7.93E-15	2.39E-14	1.39E-14	2.02E-15	4.88E-14	2.69E-15	5.35573E-14	2.447E-06	1.7128E-08	2.15E-09	6.58945E-15	7.11661E-15	4.04801E-15	1.45728E-15
47	570830.6	4177959	0.55, 41779	0.1738	0.16401	115.20896	49.45722	14.40112	8.28774	2.61345E-11	1.55E-13	2.63E-11	1.73E-08	4.67E-11	1.74E-08	2.17E-09	1.36E-11	2.18E-09	8.11E-15	2.45E-14	1.42E-14	2.07E-15	5E-14	2.76E-15	5.47942E-14	2.482E-06	1.7371E-08	2.18E-09	6.74163E-15	7.28096E-15	4.14149E-15	1.49094E-15
48	570870.6	4177959	0.55, 41779	0.17339	0.16851	122.33209	52.01335	15.29151	7.46689	2.60728E-11	1.59E-13	2.62E-11	1.84E-08	4.91E-11	1.84E-08	2.3E-09	1.44E-11	2.31E-09	8.09E-15	2.44E-14	1.41E-14	2.06E-15	4.99E-14	2.75E-15	5.46745E-14	2.635E-06	1.8444E-08	2.31E-09	6.72691E-15	7.26506E-15	4.13245E-15	1.48768E-15
49	570910.6	4177959	0.55, 41779	0.16973	0.17204	128.70888	55.67631	16.08861	6.95954	2.55225E-11	1.63E-13	2.57E-11	1.94E-08	5.26E-11	1.94E-08	2.42E-09	1.52E-11	2.43E-09	7.93E-15	2.39E-14	1.39E-14	2.02E-15	4.88E-14	2.69E-15	5.35344E-14	2.772E-06	1.9407E-08	2.43E-09	6.58663E-15	7.11356E-15	4.04627E-15	1.45666E-15
50	570950.6	4177959	0.55, 41779	0.16375	0.1746	137.78687	58.35606	21.41966	8.40086	2.46233E-11	1.65E-13	2.48E-11	2.07E-08	5.51E-11	2.08E-08	3.22E-09	2.02E-11	3.24E-09	7.65E-15	2.31E-14	1.34E-14	1.95E-15	4.71E-14	2.6E-15	5.16652E-14	2.968E-06	2.0774E-08	3.24E-09	6.35666E-15	6.86519E-15	3.905E-15	1.4058E-15
51	570990.6	4177959	0.55, 41779	0.1571	0.17611	148.41379	62.43724	21.20197	10.20575	2.36233E-11	1.66E-13	2.38E-11	2.23E-08	5.90E-11	2.24E-08	3.19E-09	2.00E-11	3.21E-09	7.34E-15	2.22E-14	1.28E-14	1.87E-15	4.52E-14	2.49E-15	4.9584E-14	3.197E-06	2.2376E-08	3.21E-09	6.10059E-15	6.58864E-15	3.74769E-15	1.34917E-15
52	571030.6	4177959	0.55, 41779	0.15135	0.1787	141.29712	68.4386	19.05284	11.40643	2.27587E-11	1.69E-13	2.29E-11	2.12E-08	6.47E-11	2.13E-08	2.86E-09	1.80E-11	2.88E-09	7.07E-15	2.14E-14	1.24E-14	1.8E-15	4.36E-14	2.4E-15	4.7787E-14	3.045E-06	2.1312E-08	2.88E-09	5.87949E-15	6.34985E-15	3.61187E-15	1.30027E-15
53	571070.6	4177959	0.55, 41779	0.14838	0.1815	143.49488	74.36914	18.79197	11.80682	2.23121E-11	1.72E-13	2.25E-11	2.16E-08	7.03E-11	2.16E-08	2.83E-09	1.78E-11	2.84E-09	6.94E-15	2.09E-14	1.21E-14	1.77E-15	4.27E-14	2.36E-15	4.68617E-14	3.093E-06	2.1648E-08	2.84E-09	5.76565E-15	6.2269E-15	3.54193E-15	1.27509E-15
54	571110.6	4177959	0.55, 41779	0.14858	0.18375	140.62761	73.34522	22.74237	10.22286	2.23421E-11	1.74E-13	2.25E-11	2.11E-08	6.93E-11	2.12E-08	3.42E-09	2.15E-11	3.44E-09	6.95E-15	2.1E-14	1.21E-14	1.77E-15	4.28E-14	2.36E-15	4.69288E-14	3.031E-06	2.1216E-08	3.44E-09	5.7739E-15	6.23582E-15	3.547E-15	1.27692E-15
55	571150.6	4177959	0.55, 41779	0.14994	0.18566	146.3467	67.83983	22.92053	11.48399	2.25466E-11	1.75E-13	2.27E-11	2.2E-08	6.41E-11	2.21E-08	3.45E-09	2.17E-11	3.47E-09	7.01E-15	2.12E-14	1.23E-14	1.79E-15	4.32E-14	2.38E-15	4.73588E-14	3.153E-06	2.207E-08	3.47E-09	5.82681E-15	6.29295E-15	3.5795E-15	1.28862E-15
56	571190.6	4177959	0.55, 41779	0.1525	0.18616	161.89014	78.97315	23.12716	11.84075	2.29316E-11	1.76E-13	2.31E-11	2.43E-08	7.46E-11	2.44E-08	3.48E-09	2.19E-11	3.5E-09	7.13E-15	2.15E-14	1.25E-14	1.82E-15	4.39E-14	2.42E-15	4.81621E-14	3.488E-06	2.4418E-08	3.5E-09	5.92565E-15	6.3997E-15	3.64022E-15	1.31048E-15
57	571230.6	4177959	0.55, 41779	0.15542	0.18516	156.07845	81.92899	22.29692	11.22006	2.33707E-11	1.75E-13	2.35E-11	2.35E-08	7.74E-11	2.35E-08	3.35E-09	2.11E-11	3.37E-09	7.27E-15	2.19E-14	1.27E-14	1.85E-15	4.48E-14	2.47E-15	4.90753E-14	3.364E-06	2.3547E-08	3.37E-09	6.038E-15	6.52104E-15	3.70924E-15	1.33533E-15
58	571270.6	4177959	0.55, 41779	0.15909	0.18379	158.42767	82.70179	19.80346	11.54254	2.39225E-11	1.74E-13	2.41E-11	2.38E-08	7.81E-11	2.39E-08	2.98E-09	1.87E-11	3E-09	7.44E-15	2.25E-14	1.3E-14	1.9E-15	4.58E-14	2.53E-15	5.02228E-14	3.414E-06	2.3901E-08	3E-09	6.17919E-15	6.67352E-15	3.79598E-15	1.36655E-15
59	571310.6	4177959	0.55, 41779	0.1655	0.18382	150.26158	75.50789	18.7827	10.48328	2.48864E-11	1.74E-13	2.51E-11	2.26E-08	7.13E-11	2.27E-08	2.82E-09	1.77E-11	2.84E-09	7.73E-15	2.33E-14	1.35E-14	1.97E-15	4.76E-14	2.63E-15	5.22319E-14	3.238E-06	2.2666E-08	2.84E-09	6.42637E-15	6.94048E-15	3.94782E-15	1.42122E-15
60	571350.6	4177959	0.55, 41779	0.17654	0.1881	154.82597	60.83045	19.35325	9.71095	2.65465E-11	1.78E-13	2.67E-11	2.33E-08	5.75E-11	2.33E-08	2.91E-09	1.83E-11	2.93E-09	8.25E-15	2.49E-14	1.44E-14	2.1E-15	5.08E-14	2.8E-15	5.57004E-14	3.334E-06	2.3339E-08	2.93E-09	6.85312E-15	7.40137E-15	4.20998E-15	1.51559E-15
61	571390.6	4177959	0.55, 41779	0.18842	0.1934	152.92189	54.55359	19.11524	9.16318	2.83329E-11	1.83E-13	2.85E-11	2.3E-08	5.15E-11	2.3E-08	2.87E-09	1.81E-11	2.89E-09	8.8E-15	2.66E-14	1.54E-14	2.24E-15	5.42E-14	2.99E-15	5.94342E-14	3.292E-06	2.3047E-08	2.89E-09	7.31251E-15	7.89751E-15	4.49219E-15	1.61719E-15
62	571430.6	4177959	0.55, 41779	0.20645	0.20414	148.33328	50.38722	18.54166	8.09078	3.10441E-11	1.93E-13	3.12E-11	2.23E-08	4.76E-11	2.24E-08	2.79E-09	1.75E-11	2.81E-09	9.64E-15	2.91E-14	1.68E-14	2.46E-15	5.94E-14	3.28E-15	6.51061E-14	3.193E-06	2.2353E-08	2.81E-09	8.01036E-15	8.65119E-15	4.9209E-15	1.77152E-15
63	571470.6	4177959	0.55, 41779	0.22554	0.21577	134.13897	46.24246	16.76737	6.92684	3.39147E-11	2.04E-13	3.41E-11	2.02E-08	4.37E-11	2.02E-08	2.52E-09	1.58E-11	2.54E-09	1.05E-14	3.18E-14	1.84E-14	2.68E-15	6.48E-14	3.58E-15	7.11121E-14	2.888E-06	2.0214E-08	2.54E-09	8.74931E-15	9.44925E-15	5.37484E-15	1.93494E-15
64	571510.6	4177959	0.55, 41779	0.24332	0.22654	122.33786	38.55117	15.29223	6.75463	3.65883E-11	2.14E-13	3.68E-11	1.84E-08	3.64E-11	1.84E-08	2.3E-09	1.44E-11	2.31E-09	1.14E-14	3.43E-14	1.99E-14	2.9E-15	7E-14	3.86E-15	7.67058E-14	2.633E-06	1.8432E-08	2.31E-09	9.43753E-15	1.01925E-14	5.79763E-15	2.08715E-15
65	571550.6	4177959	0.55, 41779	0.25539	0.23344	100.38932	31.1899	12.54867	6.13877	3.84033E-11	2.21E-13	3.86E-11	1.51E-08	2.95E-11	1.51E-08	1.89E-09	1.19E-11	1.9E-09	1.19E-14	3.6E-14	2.08E-14	3.04E-15	7.34E-14	4.05E-15	8.05023E-14	2.161E-06	1.5125E-08	1.9E-09	9.90463E-15	1.0697E-14	6.08458E-15	2.19045E-15
66	571590.6	4177959	0.55, 41779	0.26174	0.2364	103.20811	24.1035	12.90101	5.55119	3.93581E-11	2.23E-13	3.96E-11	1.55E-08	2.28E-11	1.55E-08	1.94E-09	1.22E-11	1.95E-09	1.22E-14	3.69E-14	2.13E-14	3.11E-15	7.52E-14	4.15E-15	8.24983E-14	2.22E-06	1.5542E-08	1.95E-09	1.01502E-14	1.09622E-14	6.23544E-15	2.24476E-15
67	570310.6	4177999	0.55, 41779	0.08992	0.06909	61.55411	26.71644	7.69426	4.42886	1.35214E-11	6.53E-14	1.36E-11	9.26E-09	2.52E-11	9.28E-09	1.16E-09	7.27E-12	1.16E-09	4.19E-15	1.27E-14	7.33E-15	1.07E-15	2.58E-14	1.42E-15	2.83182E-14	1.326E-06	9.2812E-09	1.16E-09	3.48414E-15	3.76287E-15	2.14036E-15	7.7053E-16
68	570350.6	4177999	0.55, 41779	0.09687	0.07551	63.16088	27.72336	7.89511	4.52605	1.45664E-11	7.14E-14	1.46E-11	9.5E-09	2.62E-11	9.52E-09	1.19E-09	7.46E-12	1.19E-09	4.52E-15	1.36E-14	7.9E-15	1.15E-15	2.78E-14	1.53E-15	3.0509E-14	1.361E-06	9.5238E-09	1.19E-09	3.75369E-15	4.05399E-15	2.30595E-15	8.30143E-16
69	570390.6	4177999	0.55, 41779	0.10411	0.08268	65.18315	28.66629	8.14789	4.5901	1.56551E-11	7.81E-14	1.57E-11	9.8E-09	2.71E-11	9.83E-09	1.23E-09	7.70E-12	1.23E-09	4.85E-15	1.47E-14	8.49E-15	1.24E-15	2.99E-14	1.65E-15	3.27923E-14	1.404E-06	9.8287E-09	1.23E-09	4.03461E-15	4.35738E-15	2.47853E-15	8.9227E-16
70	570430.6	4177999	0.55, 41779	0.11178	0.0909	69.77828	29.77159	8.72229	4.64595	1.68085E-11	8.59E-14	1.69E-11	1.05E-08	2.81E-11	1.05E-08	1.31E-09	8.24E-12	1.32E-09	5.21E-15	1.57E-14	9.11E-15	1.33E-15	3.21E-14	1.77E-15	3.52123E-14	1.503E-06	1.0521E-08	1.32E-09	4.33236E-15	4.67895E-15	2.66144E-15	9.58119E-16
71	570470.6	4177999	0.55, 41779	0.11947	0.09994	73.23749	30.82615	9.15469	4.70414	1.79648E-11	9.44E-14	1.81E-11	1.1E-08	2.91E-11	1.1E-08	1.38E-09	8.65E-12	1.39E-09	5.57E-15	1.68E-14	9.74E-15	1.42E-15	3.43E-14	1.89E-15	3.76403E-14	1.577E-06	1.1042E-08	1.39E-09	4.63109E-15	5.00157E-15	2.84495E-15	1.02418E-15
72	570510.6	4177999	0.55, 41779	0.12689	0.1096	83.36058	31.87471	10.42007	5.00665	1.90806E-11	1.04E-13	1.92E-11	1.25E-08	3.01E-11	1.26E-08	1.57E-09	9.85E-12	1.58E-09	5.92E-15	1.79E-14	1.03E-14	1.51E-15	3.65E-14	2.01E-15	3.99848E-14	1.795E-06	1.2565E-08	1.58E-09	4.91955E-15	5.31311E-15	3.02216E-15	1.08798E-15
73	570550.6	4177999	0.55, 41779	0.1338	0.11968	93.92369	33.13511	11.74046	5.30601	2.01196E-11	1.13E-13	2.02E-11	1.41E-08	3.13E-11	1.42E-08	1.77E-09	1.11E-11	1.78E-09	6.24E-15	1.89E-14	1.09E-14	1.59E-15	3.85E-14	2.12E-15	4.21704E-14	2.022E-06	1.4155E-08	1.78E-09	5.18845E-15	5.60352E-15	3.18735E-15	1.14745E-15
74	570590.6	4177999	0.55, 41779	0.14077	0.13095	98.98148	34.43475	12.37268	5.77536	2.11677E-11	1.24E-13	2.13E-11	1.49E-08	3.25E-11	1.49E-08	1.86E-09	1.17E-11	1.87E-09	6.57E-15	1.98E-14	1.15E-14	1.68E-15	4.05E-14	2.23E-15	4.4377E-14	2.131E-06	1.4916E-08	1.87E-09	5.45995E-15	5.89675E-15	3.35414E-15	1.20749E-15
75	570630.6	4177999	0.55, 41779	0.14863	0.14246	96.29887	35.58815	12.03736	6.62596	2.23496E-11	1.35E-13	2.25E-11	1.45E-08	3.36E-11	1.45E-08	1.81E-09	1.14E-11	1.82E-09	6.94E-15	2.09E-14	1.21E-14	1.77E-15	4.27E-14	2.36E-15	4.68631E-14	2.073E-06	1.4514E-08	1.82E-09	5.76583E-15	6.22709E-15	3.54204E-15	1.27513E-15
76	570670.6	4177999	0.55, 41779	0.15906	0.15417	108.0953	37.02771	13.51191	7.37805	2.3918E-11	1.46E-13	2.41E-11	1.63E-08	3.50E-11	1.63E-08	2.03E-09	1.28E-11	2.04E-09	7.43E-15	2.24E-14	1.3E-14	1.89E-15	4.57E-14	2.52E-15	5.01551E-14	2.327E-06	1.6289E-08	2.04E-09	6.17085E-15	6.66452E-15	3.79086E-15	1.36471E-15
77	570710.6	4177999	0.55, 41779	0.17207	0.16581	109.21603	39.28347	14.39109	8.06843	2.58743E-11	1.57E-13	2.6E-11	1.64E-08	3.71E-11	1.65E-08	2.16E-09	1.36E-11	2.18E-09	8.03E-15	2.43E-14	1.4E-14	2.05E-15	4.95E-14	2.73E-15	5.42555E-14	2.351E-06	1.646E-08	2.18E-09	6.67535E-15	7.20938E-15	4.10078E-15	1.47628E-15
78	570750.6	4177999	0.55, 41779	0.18601	0.17706	119.66853	46.10023	14.95857	8.7788	2.79705E-11	1.67E-13	2.81E-11	1.8E-08	4.36E-11	1.8E-08	2.25E-09	1.41E-11	2.26E-09	8.68E-15	2.62E-14	1.52E-14	2.21E-15	5.35E-14	2.95E-15	5.86466E-14	2.577E-06	1.8038E-08	2.26E-09	7.21562E-15	7.79287E-15	4.43267E-15	1.59576E-15
79	570790.6	4177999	0.55, 41779	0.19953	0.18772	122.67556	49.8289	15.33445	9.45426	3.00035E-11	1.77E-13	3.02E-11	1.84E-08	4.71E-11	1.85E-08	2.31E-09	1.45E-11	2.32E-09	9.31E-15	2.81E-14	1.63E-14	2.37E-15	5.74E-14	3.16E-15	6.2905E-14	2.642E-06	1.8494E-08	2.32E-09	7.73954E-15	8.35871E-15	4.75453E-15	1.71163E-15
80	570830.6	4177999	0.55, 41779	0.21109	0.19773	133.54261	52.4094	16.69283	9.90962	3.17418E-11	1.87E-13	3.19E-11	2.01E-08	4.95E-11	2.01E-08	2.51E-09	1.58E-11	2.53E-09	9.85E-15	2.97E-14	1.72E-14	2.51E-15	6.07E-14	3.35E-15	6.65478E-14	2.876E-06	2.013E-08	2.53E-09	8.18773E-15	8.84275E-15	5.02986E-15	1.81075E-15
81	570870.6	4177999	0.55, 41779	0.21804	0.20674	131.45449	55.15858	16.43181	9.77159	3.27869E-11	1.95E-13	3.3E-11	1.98E-08	5.21E-11	1.98E-08	2.47E-09	1.55E-11	2.49E-09	1.02E-14	3.07E-14	1.78E-14	2.6E-15	6.27E-14	3.46E-15	6.87437E-14	2.831E-06	1.9819E-08	2.49E-09	8.45792E-15	9.13455E-15	5.19583E-15	1.8705E-15
82	570910.6	4177999	0.55, 41779	0.21803	0.21414	148.11273	59.13207	18.51409	8.43226	3.27854E-11	2.02E-13	3.3E-11	2.23E-08	5.59E-11	2.23E-08	2.78E-09	1.75E-11	2.8E-09	1.02E-14	3.07E-14	1.78E-14	2.6E-15	6.27E-14	3.46E-15	6.87552E-14	3.19E-06	2.2328E-08	2.8E-09	8.45932E-15	9.13607E-15	5.1967E-15	1.87081E-15
83	570950.6	4177999	0.55, 41779	0.2114	0.21889	140.12444	63.58464	21.83562	9.32684	3.17884E-11	2.07E-13	3.2E-11	2.11E-08	6.01E-11	2.11E-08	3.28E-09	2.06E-11	3.3E-09	9.87E-15	2.98E-14	1.73E-14	2.52E-15	6.08E-14	3.35E-15	6.66866E-14	3.019E-06	2.1131E-08	3.3E-09	8.20481E-15	8.8612E-15	5.04035E-15	1.81453E-15
84	570990.6	4177999	0.55, 41779	0.2013	0.22185	171.25011	67.61488	25.43318	11.18299	3.02697E-11	2.10E-13	3.05E-11	2.58E-08	6.39E-11	2.58E-08	3.82E-09	2.40E-11	3.85E-09	9.41E-15	2.84E-14	1.64E-14	2.4E-15	5.79E-14	3.2E-15	6.35269E-14	3.688E-06	2.5815E-08	3.85E-09	7.81607E-15	8.44135E-15	4.80154E-15	1.72855E-15
85	571030.6	4177999	0.55, 41779	0.19301	0.22456	161.4506	75.02365	21.94671	12.50394	2.90231E-11	2.12E-13	2.92E-11	2.43E-08	7.09E-11	2.43E-08	3.3E-09	2.07E-11	3.32E-09	9.02E-15	2.72E-14	1.58E-14	2.3E-15	5.56E-14	3.07E-15	6.09341E-14	3.478E-06	2.4348E-08	3.32E-09	7.49705E-15	8.09682E-15	4.60556E-15	1.658E-15
86	571070.6	4177999	0.55, 41779	0.18927	0.22808	165.36156	82.48884	21.97245	12.95225	2.84607E-11	2.16E-13	2.87E-11	2.49E-08	7.79E-11	2.49E-08	3.3E-09	2.08E-11	3.32E-09	8.85E-15	2.67E-14	1.55E-14	2.26E-15	5.45E-14	3.01E-15	5.97689E-14	3.563E-06	2.4944E-08	3.32E-09	7.35369E-15	7.94198E-15	4.51749E-15	1.6263E-15
87	571110.6	4177999	0.55, 41779	0.18141	0.21619	158.60632	80.72549	25.62624	11.81551	2.72788E-11	2.04E-13	2.75E-11	2.38E-08	7.63E-11	2.39E-08	3.85E-09	2.42E-11	3.88E-09	8.48E-15	2.56E-14	1.48E-14	2.16E-15	5.22E-14	2.88E-15	5.7282E-14	3.418E-06	2.3926E-08	3.88E-09	7.04772E-15	7.61154E-15	4.32953E-15	1.55863E-15
88	571150.6	4177999	0.55, 41779	0.19202	0.23351	164.05988	80.42402	24.96785	14.13496	2.88742E-11	2.21E-13	2.91E-11	2.47E-08	7.60E-11	2.47E-08	3.75E-09	2.36E-11	3.78E-09	8.98E-15	2.71E-14	1.57E-14	2.29E-15	5.53E-14	3.05E-15	6.06414E-14	3.535E-06	2.4746E-08	3.78E-09	7.46105E-15	8.05793E-15	4.58344E-15	1.65004E-15
89	571190.6	4177999	0.55, 41779	0.1978	0.23414	182.21875	91.74664	26.03125	13.21695	2.97434E-11	2.21E-13	3E-11	2.74E-08	8.67E-11	2.75E-08	3.91E-09	2.46E-11	3.94E-09	9.25E-15	2.79E-14	1.62E-14	2.36E-15	5.7E-14	3.14E-15	6.24542E-14	3.927E-06	2.7487E-08	3.94E-09	7.68408E-15	8.29881E-15	4.72046E-15	1.69936E-15
90	571230.6	4177999	0.55, 41779	0.20367	0.23289	172.67663	91.69738	22.62496	13.85272	3.06261E-11	2.20E-13	3.08E-11	2.6E-08	8.66E-11	2.61E-08	3.4E-09	2.14E-11	3.42E-09	9.52E-15	2.87E-14	1.66E-14	2.43E-15	5.86E-14	3.23E-15	6.42915E-14	3.722E-06	2.6052E-08	3.42E-09	7.91013E-15	8.54294E-15	4.85932E-15	1.74936E-15
91	571270.6	4177999	0.55, 41779	0.21358	0.23476	171.66845	86.35935	21.45856	13.01074	3.21162E-11	2.22E-13	3.23E-11	2.58E-08	8.16E-11	2.59E-08	3.23E-09	2.03E-11	3.25E-09	9.98E-15	3.01E-14	1.74E-14	2.54E-15	6.15E-14	3.39E-15	6.74011E-14	3.699E-06	2.5896E-08	3.25E-09	8.29272E-15	8.95614E-15	5.09435E-15	1.83397E-15
92	571310.6	4177999	0.55, 41779	0.23025	0.24083	171.26207	72.34733	21.40776	11.81711	3.46229E-11	2.28E-13	3.49E-11	2.58E-08	6.84E-11	2.58E-08	3.22E-09	2.02E-11	3.24E-09	1.08E-14	3.25E-14	1.88E-14	2.74E-15	6.62E-14	3.65E-15	7.26376E-14	3.689E-06	2.5821E-08	3.24E-09	8.937E-15	9.65196E-15	5.49015E-15	1.97645E-15
93	571350.6	4177999	0.55, 41779	0.25373	0.25254	169.27826	60.68614	21.15978	11.13084	3.81536E-11	2.39E-13	3.84E-11	2.55E-08	5.73E-11	2.55E-08	3.18E-09	2.00E-11	3.2E-09	1.18E-14	3.58E-14	2.07E-14	3.02E-15	7.3E-14	4.03E-15	8.00196E-14	3.645E-06	2.5512E-08	3.2E-09	9.84525E-15	1.06329E-14	6.0481E-15	2.17732E-15
94	571390.6	4177999	0.55, 41779	0.27999	0.26698	164.13881	55.69534	20.51735	9.69774	4.21024E-11	2.52E-13	4.24E-11	2.47E-08	5.26E-11	2.47E-08	3.09E-09	1.94E-11	3.1E-09	1.31E-14	3.95E-14	2.28E-14	3.33E-15	8.05E-14	4.44E-15	8.82783E-14	3.533E-06	2.4734E-08	3.1E-09	1.08614E-14	1.17303E-14	6.67231E-15	2.40203E-15
95	571430.6	4177999	0.55, 41779	0.30187	0.27888	148.06777	50.74185	18.50847	8.30154	4.53925E-11	2.64E-13	4.57E-11	2.23E-08	4.79E-11	2.23E-08	2.78E-09	1.75E-11	2.8E-09	1.41E-14	4.25E-14	2.46E-14	3.59E-15	8.68E-14	4.79E-15	9.51592E-14	3.188E-06	2.2313E-08	2.8E-09	1.1708E-14	1.26446E-14	7.19239E-15	2.58926E-15
96	571470.6	4177999	0.55, 41779	0.32222	0.29016	133.22849	41.8567	16.65356	8.00082	4.84526E-11	2.74E-13	4.87E-11	2E-08	3.96E-11	2.01E-08	2.5E-09	1.57E-11	2.52E-09	1.5E-14	4.54E-14	2.63E-14	3.83E-15	9.26E-14	5.11E-15	1.01559E-13	2.868E-06	2.0073E-08	2.52E-09	1.24954E-14	1.3495E-14	7.67613E-15	2.76341E-15
97	571510.6	4177999	0.55, 41779	0.33311	0.29527	113.25391	33.39085	14.15674	7.16119	5.00901E-11	2.79E-13	5.04E-11	1.7E-08	3.16E-11	1.71E-08	2.13E-09	1.34E-11	2.14E-09	1.55E-14	4.69E-14	2.72E-14	3.96E-15	9.57E-14	5.28E-15	1.04982E-13	2.437E-06	1.7062E-08	2.14E-09	1.29166E-14	1.39499E-14	7.93486E-15	2.85655E-15
98	571550.6	4177999	0.55, 41779	0.33431	0.29408	118.79132	25.19774	14.84891	6.75336	5.02705E-11	2.78E-13	5.05E-11	1.79E-08	2.38E-11	1.79E-08	2.23E-09	1.40E-11	2.25E-09	1.56E-14	4.71E-14	2.73E-14	3.98E-15	9.61E-14	5.3E-15	1.05356E-13	2.555E-06	1.7887E-08	2.25E-09	1.29626E-14	1.39996E-14	7.96311E-15	2.86672E-15
99	571590.6	4177999	0.55, 41779	0.32897	0.28857	117.12124	19.87515	14.64016	6.7762	4.94676E-11	2.73E-13	4.97E-11	1.76E-08	1.88E-11	1.76E-08	2.2E-09	1.38E-11	2.22E-09	1.53E-14	4.63E-14	2.68E-14	3.91E-15	9.45E-14	5.22E-15	1.03672E-13	2.519E-06	1.763E-08	2.22E-09	1.27553E-14	1.37757E-14	7.83579E-15	2.82088E-15
100	570310.6	4178039	0.55, 41780	0.09395	0.07118	60.38117	27.45867	7.54765	4.57644	1.41274E-11	6.73E-14	1.42E-11	9.08E-09	2.59E-11	9.11E-09	1.13E-09	7.13E-12	1.14E-09	4.38E-15	1.32E-14	7.66E-15	1.12E-15	2.7E-14	1.49E-15	2.95853E-14	1.301E-06	9.1055E-09	1.14E-09	3.64004E-15	3.93125E-15	2.23614E-15	8.0501E-16
101	570350.6	4178039	0.55, 41780	0.10181	0.07823	67.40685	28.30867	8.42586	4.71811	1.53093E-11	7.39E-14	1.54E-11	1.01E-08	2.67E-11	1.02E-08	1.27E-09	7.96E-12	1.27E-09	4.75E-15	1.43E-14	8.3E-15	1.21E-15	2.92E-14	1.61E-15	3.20626E-14	1.452E-06	1.0163E-08	1.27E-09	3.94484E-15	4.26043E-15	2.42338E-15	8.72417E-16
102	570390.6	4178039	0.55, 41780	0.11033	0.08626	70.86935	29.39362	8.85867	4.86131	1.65904E-11	8.15E-14	1.67E-11	1.07E-08	2.78E-11	1.07E-08	1.33E-09	8.37E-12	1.34E-09	5.14E-15	1.55E-14	8.99E-15	1.31E-15	3.17E-14	1.75E-15	3.47487E-14	1.526E-06	1.0684E-08	1.34E-09	4.27533E-15	4.61735E-15	2.6264E-15	9.45505E-16
103	570430.6	4178039	0.55, 41780	0.11935	0.09539	72.77771	30.53752	9.09721	4.99157	1.79468E-11	9.01E-14	1.8E-11	1.09E-08	2.89E-11	1.1E-08	1.37E-09	8.60E-12	1.38E-09	5.57E-15	1.68E-14	9.73E-15	1.42E-15	3.43E-14	1.89E-15	3.75937E-14	1.568E-06	1.0973E-08	1.38E-09	4.62536E-15	4.99539E-15	2.84143E-15	1.02292E-15
104	570470.6	4178039	0.55, 41780	0.12876	0.10583	77.88414	31.78332	9.73552	5.12346	1.93618E-11	1.00E-13	1.95E-11	1.17E-08	3.00E-11	1.17E-08	1.46E-09	9.20E-12	1.47E-09	6.01E-15	1.81E-14	1.05E-14	1.53E-15	3.7E-14	2.04E-15	4.05635E-14	1.677E-06	1.1742E-08	1.47E-09	4.99075E-15	5.39001E-15	3.0659E-15	1.10372E-15
105	570510.6	4178039	0.55, 41780	0.13797	0.11733	81.61557	33.05226	10.20195	5.27698	2.07467E-11	1.11E-13	2.09E-11	1.23E-08	3.12E-11	1.23E-08	1.53E-09	9.64E-12	1.54E-09	6.44E-15	1.94E-14	1.13E-14	1.64E-15	3.96E-14	2.19E-15	4.34727E-14	1.758E-06	1.2304E-08	1.54E-09	5.34868E-15	5.77657E-15	3.28578E-15	1.18288E-15
106	570550.6	4178039	0.55, 41780	0.14677	0.12979	83.22783	34.40977	10.40348	5.64664	2.207E-11	1.23E-13	2.22E-11	1.25E-08	3.25E-11	1.25E-08	1.56E-09	9.83E-12	1.57E-09	6.85E-15	2.07E-14	1.2E-14	1.75E-15	4.22E-14	2.33E-15	4.62552E-14	1.793E-06	1.2548E-08	1.57E-09	5.69103E-15	6.14632E-15	3.49609E-15	1.25859E-15
107	570590.6	4178039	0.55, 41780	0.15543	0.14397	100.7883	35.81672	12.59854	6.05306	2.33722E-11	1.36E-13	2.35E-11	1.52E-08	3.38E-11	1.52E-08	1.89E-09	1.19E-11	1.91E-09	7.25E-15	2.19E-14	1.27E-14	1.85E-15	4.47E-14	2.46E-15	4.89973E-14	2.17E-06	1.5189E-08	1.91E-09	6.02841E-15	6.51068E-15	3.70335E-15	1.33321E-15
108	570630.6	4178039	0.55, 41780	0.16446	0.15887	114.63184	37.47906	14.32898	6.85921	2.473E-11	1.50E-13	2.49E-11	1.72E-08	3.54E-11	1.73E-08	2.15E-09	1.35E-11	2.17E-09	7.68E-15	2.32E-14	1.34E-14	1.96E-15	4.73E-14	2.61E-15	5.18568E-14	2.468E-06	1.7273E-08	2.17E-09	6.38022E-15	6.89064E-15	3.91947E-15	1.41101E-15
109	570670.6	4178039	0.55, 41780	0.17604	0.17458	120.19022	39.09251	15.02378	7.81169	2.64713E-11	1.65E-13	2.66E-11	1.81E-08	3.69E-11	1.81E-08	2.26E-09	1.42E-11	2.27E-09	8.22E-15	2.48E-14	1.44E-14	2.1E-15	5.06E-14	2.79E-15	5.5517E-14	2.587E-06	1.811E-08	2.27E-09	6.83056E-15	7.37701E-15	4.19613E-15	1.51061E-15
110	570710.6	4178039	0.55, 41780	0.19156	0.191	122.05191	40.81454	15.86896	8.63568	2.88051E-11	1.80E-13	2.9E-11	1.84E-08	3.86E-11	1.84E-08	2.39E-09	1.50E-11	2.4E-09	8.94E-15	2.7E-14	1.56E-14	2.28E-15	5.51E-14	3.04E-15	6.04135E-14	2.627E-06	1.8392E-08	2.4E-09	7.43301E-15	8.02765E-15	4.56622E-15	1.64384E-15
111	570750.6	4178039	0.55, 41780	0.2105	0.20761	132.53323	47.68084	16.56665	9.43658	3.16531E-11	1.96E-13	3.18E-11	1.99E-08	4.51E-11	2E-08	2.49E-09	1.57E-11	2.51E-09	9.83E-15	2.97E-14	1.72E-14	2.51E-15	6.05E-14	3.34E-15	6.63823E-14	2.853E-06	1.9974E-08	2.51E-09	8.16738E-15	8.82077E-15	5.01735E-15	1.80625E-15
112	570790.6	4178039	0.55, 41780	0.23169	0.22417	139.552	52.7884	17.444	10.33029	3.48395E-11	2.12E-13	3.51E-11	2.1E-08	4.99E-11	2.1E-08	2.62E-09	1.65E-11	2.64E-09	1.08E-14	3.27E-14	1.89E-14	2.76E-15	6.66E-14	3.68E-15	7.30561E-14	3.005E-06	2.1034E-08	2.64E-09	8.98849E-15	9.70757E-15	5.52178E-15	1.98784E-15
113	570830.6	4178039	0.55, 41780	0.25382	0.24067	145.24751	55.81087	18.15594	11.28689	3.81672E-11	2.27E-13	3.84E-11	2.18E-08	5.27E-11	2.19E-08	2.73E-09	1.72E-11	2.75E-09	1.18E-14	3.58E-14	2.07E-14	3.02E-15	7.3E-14	4.03E-15	8.00245E-14	3.128E-06	2.1894E-08	2.75E-09	9.84585E-15	1.06335E-14	6.04846E-15	2.17745E-15
114	570870.6	4178039	0.55, 41780	0.27385	0.25672	159.27674	59.06353	19.90959	12.04587	4.11791E-11	2.43E-13	4.14E-11	2.4E-08	5.58E-11	2.4E-08	2.99E-09	1.88E-11	3.01E-09	1.28E-14	3.86E-14	2.23E-14	3.26E-15	7.87E-14	4.34E-15	8.63337E-14	3.429E-06	2.4006E-08	3.01E-09	1.06221E-14	1.14719E-14	6.52533E-15	2.34912E-15
115	570910.6	4178039	0.55, 41780	0.28498	0.272	154.31681	63.03506	19.2896	11.80173	4.28527E-11	2.57E-13	4.31E-11	2.32E-08	5.96E-11	2.33E-08	2.9E-09	1.82E-11	2.92E-09	1.33E-14	4.02E-14	2.33E-14	3.39E-15	8.19E-14	4.52E-15	8.98521E-14	3.323E-06	2.3264E-08	2.92E-09	1.1055E-14	1.19394E-14	6.79126E-15	2.44485E-15
116	570950.6	4178039	0.55, 41780	0.28313	0.28254	178.15221	69.82475	22.26903	10.41815	4.25746E-11	2.67E-13	4.28E-11	2.68E-08	6.60E-11	2.69E-08	3.35E-09	2.10E-11	3.37E-09	1.32E-14	3.99E-14	2.31E-14	3.37E-15	8.14E-14	4.49E-15	8.9293E-14	3.836E-06	2.6855E-08	3.37E-09	1.09862E-14	1.18651E-14	6.74901E-15	2.42964E-15
117	570990.6	4178039	0.55, 41780	0.27042	0.28832	188.87787	74.10995	29.14051	12.35166	4.06633E-11	2.72E-13	4.09E-11	2.84E-08	7.00E-11	2.85E-08	4.38E-09	2.75E-11	4.41E-09	1.26E-14	3.81E-14	2.21E-14	3.22E-15	7.78E-14	4.29E-15	8.5321E-14	4.067E-06	2.8472E-08	4.41E-09	1.04975E-14	1.13373E-14	6.44879E-15	2.32156E-15
118	571030.6	4178039	0.55, 41780	0.25749	0.29249	188.96663	83.29257	26.99523	13.88209	3.8719E-11	2.76E-13	3.9E-11	2.84E-08	7.87E-11	2.85E-08	4.06E-09	2.55E-11	4.08E-09	1.2E-14	3.63E-14	2.1E-14	3.07E-15	7.41E-14	4.09E-15	8.12767E-14	4.071E-06	2.8494E-08	4.08E-09	9.99992E-15	1.07999E-14	6.14311E-15	2.21152E-15
119	571070.6	4178039	0.55, 41780	0.25163	0.29646	192.59035	92.57991	26.01862	14.40126	3.78379E-11	2.80E-13	3.81E-11	2.9E-08	8.75E-11	2.9E-08	3.91E-09	2.46E-11	3.94E-09	1.18E-14	3.55E-14	2.06E-14	3E-15	7.25E-14	4E-15	7.9448E-14	4.15E-06	2.9047E-08	3.94E-09	9.77492E-15	1.05569E-14	6.00489E-15	2.16176E-15
120	571110.6	4178039	0.55, 41780	0.23996	0.28057	179.79911	89.13384	29.33997	15.522	3.6083E-11	2.65E-13	3.63E-11	2.7E-08	8.42E-11	2.71E-08	4.41E-09	2.77E-11	4.44E-09	1.12E-14	3.39E-14	1.96E-14	2.86E-15	6.91E-14	3.81E-15	7.57591E-14	3.874E-06	2.7121E-08	4.44E-09	9.32106E-15	1.00667E-14	5.72608E-15	2.06139E-15
121	571150.6	4178039	0.55, 41780	0.25767	0.30302	202.30498	100.11261	28.90071	16.95197	3.87461E-11	2.86E-13	3.9E-11	3.04E-08	9.46E-11	3.05E-08	4.35E-09	2.73E-11	4.37E-09	1.2E-14	3.64E-14	2.11E-14	3.07E-15	7.42E-14	4.09E-15	8.13539E-14	4.359E-06	3.0515E-08	4.37E-09	1.00094E-14	1.08102E-14	6.14895E-15	2.21362E-15
122	571190.6	4178039	0.55, 41780	0.27122	0.30641	194.68377	101.89225	27.81197	16.7188	4.07836E-11	2.90E-13	4.11E-11	2.93E-08	9.63E-11	2.94E-08	4.18E-09	2.63E-11	4.21E-09	1.27E-14	3.83E-14	2.22E-14	3.23E-15	7.81E-14	4.31E-15	8.56073E-14	4.196E-06	2.9371E-08	4.21E-09	1.05327E-14	1.13754E-14	6.47043E-15	2.32935E-15
123	571230.6	4178039	0.55, 41780	0.28804	0.31092	196.84209	99.06119	24.60526	16.26482	4.33129E-11	2.94E-13	4.36E-11	2.96E-08	9.36E-11	2.97E-08	3.7E-09	2.33E-11	3.72E-09	1.35E-14	4.06E-14	2.35E-14	3.43E-15	8.29E-14	4.57E-15	9.08878E-14	4.242E-06	2.9693E-08	3.72E-09	1.11824E-14	1.2077E-14	6.86954E-15	2.47304E-15
124	571270.6	4178039	0.55, 41780	0.31661	0.32283	191.8709	85.51951	23.98386	14.63938	4.7609E-11	3.05E-13	4.79E-11	2.89E-08	8.08E-11	2.89E-08	3.61E-09	2.27E-11	3.63E-09	1.48E-14	4.46E-14	2.58E-14	3.77E-15	9.11E-14	5.02E-15	9.98655E-14	4.133E-06	2.8933E-08	3.63E-09	1.2287E-14	1.327E-14	7.5481E-15	2.71732E-15
125	571310.6	4178039	0.55, 41780	0.35598	0.34149	189.38373	68.10225	23.67297	13.72977	5.35291E-11	3.23E-13	5.39E-11	2.85E-08	6.44E-11	2.85E-08	3.56E-09	2.24E-11	3.58E-09	1.66E-14	5.02E-14	2.9E-14	4.24E-15	1.02E-13	5.65E-15	1.12241E-13	4.077E-06	2.8542E-08	3.58E-09	1.38097E-14	1.49144E-14	8.4835E-15	3.05406E-15
126	571350.6	4178039	0.55, 41780	0.39399	0.35989	182.95784	62.01914	22.86973	11.81322	5.92447E-11	3.40E-13	5.96E-11	2.75E-08	5.86E-11	2.76E-08	3.44E-09	2.16E-11	3.46E-09	1.84E-14	5.55E-14	3.21E-14	4.69E-15	1.13E-13	6.25E-15	1.2419E-13	3.939E-06	2.757E-08	3.46E-09	1.52798E-14	1.65022E-14	9.38664E-15	3.37919E-15
127	571390.6	4178039	0.55, 41780	0.4222	0.3733	164.47464	56.17724	20.55933	10.13431	6.34867E-11	3.53E-13	6.38E-11	2.47E-08	5.31E-11	2.48E-08	3.09E-09	1.94E-11	3.11E-09	1.97E-14	5.95E-14	3.44E-14	5.02E-15	1.21E-13	6.69E-15	1.33058E-13	3.541E-06	2.4785E-08	3.11E-09	1.63709E-14	1.76805E-14	1.00569E-14	3.62048E-15
128	571430.6	4178039	0.55, 41780	0.44026	0.38105	146.31006	45.8458	18.28876	9.60517	6.62024E-11	3.60E-13	6.66E-11	2.2E-08	4.33E-11	2.2E-08	2.75E-09	1.73E-11	2.77E-09	2.05E-14	6.2E-14	3.59E-14	5.24E-15	1.27E-13	6.98E-15	1.38734E-13	3.149E-06	2.2044E-08	2.77E-09	1.70692E-14	1.84347E-14	1.04859E-14	3.77491E-15
129	571470.6	4178039	0.55, 41780	0.44344	0.3799	134.05635	35.96521	16.75704	8.42199	6.66805E-11	3.59E-13	6.7E-11	2.02E-08	3.40E-11	2.02E-08	2.52E-09	1.58E-11	2.54E-09	2.07E-14	6.25E-14	3.62E-14	5.28E-15	1.27E-13	7.03E-15	1.39728E-13	2.885E-06	2.0192E-08	2.54E-09	1.71915E-14	1.85668E-14	1.0561E-14	3.80197E-15
130	571510.6	4178039	0.55, 41780	0.43369	0.37075	135.2804	26.4112	16.91005	8.14543	6.52144E-11	3.50E-13	6.56E-11	2.03E-08	2.50E-11	2.04E-08	2.54E-09	1.60E-11	2.56E-09	2.02E-14	6.11E-14	3.54E-14	5.16E-15	1.25E-13	6.87E-15	1.36654E-13	2.91E-06	2.0367E-08	2.56E-09	1.68133E-14	1.81584E-14	1.03287E-14	3.71833E-15
131	571550.6	4178039	0.55, 41780	0.4157	0.35641	128.00174	25.24959	16.00022	7.84928	6.25092E-11	3.37E-13	6.28E-11	1.92E-08	2.39E-11	1.93E-08	2.41E-09	1.51E-11	2.42E-09	1.94E-14	5.86E-14	3.39E-14	4.95E-15	1.19E-13	6.59E-15	1.30988E-13	2.753E-06	1.9272E-08	2.42E-09	1.61161E-14	1.74054E-14	9.9004E-15	3.56414E-15
132	571590.6	4178039	0.55, 41780	0.38889	0.33646	114.21376	28.264	14.27672	7.21894	5.84778E-11	3.18E-13	5.88E-11	1.72E-08	2.67E-11	1.72E-08	2.15E-09	1.35E-11	2.16E-09	1.81E-14	5.48E-14	3.17E-14	4.63E-15	1.12E-13	6.16E-15	1.22546E-13	2.457E-06	1.7201E-08	2.16E-09	1.50775E-14	1.62837E-14	9.26234E-15	3.33444E-15
133	570310.6	4178079	0.55, 41780	0.09792	0.07296	71.40728	28.01469	8.92591	4.66912	1.47243E-11	6.89E-14	1.48E-11	1.07E-08	2.65E-11	1.08E-08	1.34E-09	8.43E-12	1.35E-09	4.56E-15	1.38E-14	7.98E-15	1.16E-15	2.81E-14	1.55E-15	3.08331E-14	1.538E-06	1.0764E-08	1.35E-09	3.79356E-15	4.09705E-15	2.33045E-15	8.38961E-16
134	570350.6	4178079	0.55, 41780	0.1067	0.08065	70.03301	29.10671	8.75413	4.85112	1.60446E-11	7.62E-14	1.61E-11	1.05E-08	2.75E-11	1.06E-08	1.32E-09	8.27E-12	1.32E-09	4.97E-15	1.5E-14	8.7E-15	1.27E-15	3.06E-14	1.69E-15	3.36E-14	1.508E-06	1.0558E-08	1.32E-09	4.13399E-15	4.46471E-15	2.53958E-15	9.14248E-16
135	570390.6	4178079	0.55, 41780	0.11641	0.08948	73.93226	30.15719	9.24153	5.0262	1.75047E-11	8.46E-14	1.76E-11	1.11E-08	2.85E-11	1.11E-08	1.39E-09	8.73E-12	1.4E-09	5.43E-15	1.64E-14	9.49E-15	1.38E-15	3.34E-14	1.84E-15	3.66606E-14	1.592E-06	1.1146E-08	1.4E-09	4.51056E-15	4.8714E-15	2.77091E-15	9.97527E-16
136	570430.6	4178079	0.55, 41780	0.12715	0.09969	79.99098	31.34254	9.99887	5.20891	1.91197E-11	9.42E-14	1.92E-11	1.2E-08	2.96E-11	1.21E-08	1.5E-09	9.45E-12	1.51E-09	5.93E-15	1.79E-14	1.04E-14	1.51E-15	3.65E-14	2.01E-15	4.00468E-14	1.723E-06	1.2058E-08	1.51E-09	4.92717E-15	5.32135E-15	3.02684E-15	1.08966E-15
137	570470.6	4178079	0.55, 41780	0.13857	0.11144	81.53824	32.65768	10.19228	5.39019	2.08369E-11	1.05E-13	2.09E-11	1.23E-08	3.09E-11	1.23E-08	1.53E-09	9.63E-12	1.54E-09	6.46E-15	1.95E-14	1.13E-14	1.65E-15	3.98E-14	2.2E-15	4.36491E-14	1.756E-06	1.2292E-08	1.54E-09	5.37039E-15	5.80002E-15	3.29912E-15	1.18768E-15
138	570510.6	4178079	0.55, 41780	0.15049	0.12507	87.75299	34.11951	10.96912	5.60116	2.26293E-11	1.18E-13	2.27E-11	1.32E-08	3.22E-11	1.32E-08	1.65E-09	1.04E-11	1.66E-09	7.02E-15	2.12E-14	1.23E-14	1.79E-15	4.32E-14	2.39E-15	4.74118E-14	1.89E-06	1.3228E-08	1.66E-09	5.83334E-15	6.3E-15	3.58351E-15	1.29006E-15
139	570550.6	4178079	0.55, 41780	0.16198	0.14034	91.64015	35.64897	11.45502	5.99366	2.43571E-11	1.33E-13	2.45E-11	1.38E-08	3.37E-11	1.38E-08	1.72E-09	1.08E-11	1.73E-09	7.56E-15	2.28E-14	1.32E-14	1.93E-15	4.65E-14	2.57E-15	5.1043E-14	1.973E-06	1.3814E-08	1.73E-09	6.2801E-15	6.78251E-15	3.85797E-15	1.38887E-15
140	570590.6	4178079	0.55, 41780	0.17272	0.15744	88.35639	37.38874	11.57204	6.46071	2.59721E-11	1.49E-13	2.61E-11	1.33E-08	3.53E-11	1.33E-08	1.74E-09	1.09E-11	1.75E-09	8.06E-15	2.43E-14	1.41E-14	2.06E-15	4.96E-14	2.74E-15	5.44427E-14	1.903E-06	1.3322E-08	1.75E-09	6.69839E-15	7.23426E-15	4.11493E-15	1.48137E-15
141	570630.6	4178079	0.55, 41780	0.1831	0.1763	101.08083	39.23196	12.6351	7.02353	2.75329E-11	1.67E-13	2.77E-11	1.52E-08	3.71E-11	1.52E-08	1.9E-09	1.19E-11	1.91E-09	8.55E-15	2.58E-14	1.49E-14	2.18E-15	5.26E-14	2.9E-15	5.77331E-14	2.177E-06	1.5237E-08	1.91E-09	7.10322E-15	7.67148E-15	4.36362E-15	1.5709E-15
142	570670.6	4178079	0.55, 41780	0.19537	0.19687	125.63761	41.20021	15.7047	8.22231	2.9378E-11	1.86E-13	2.96E-11	1.89E-08	3.89E-11	1.89E-08	2.36E-09	1.48E-11	2.38E-09	9.12E-15	2.75E-14	1.59E-14	2.33E-15	5.62E-14	3.1E-15	6.16192E-14	2.704E-06	1.8931E-08	2.38E-09	7.58135E-15	8.18786E-15	4.65735E-15	1.67664E-15
143	570710.6	4178079	0.55, 41780	0.21241	0.21933	144.38379	43.29239	18.04797	9.29195	3.19403E-11	2.07E-13	3.21E-11	2.17E-08	4.09E-11	2.18E-08	2.71E-09	1.71E-11	2.73E-09	9.92E-15	3E-14	1.73E-14	2.53E-15	6.11E-14	3.37E-15	6.7004E-14	3.107E-06	2.1752E-08	2.73E-09	8.24387E-15	8.90338E-15	5.06434E-15	1.82316E-15
144	570750.6	4178079	0.55, 41780	0.23537	0.24332	149.96792	48.92505	18.74599	10.23	3.53928E-11	2.30E-13	3.56E-11	2.26E-08	4.62E-11	2.26E-08	2.82E-09	1.77E-11	2.84E-09	1.1E-14	3.32E-14	1.92E-14	2.8E-15	6.77E-14	3.74E-15	7.42472E-14	3.228E-06	2.2597E-08	2.84E-09	9.13504E-15	9.86584E-15	5.6118E-15	2.02025E-15
145	570790.6	4178079	0.55, 41780	0.26445	0.26867	159.48841	56.15329	19.93605	11.24377	3.97656E-11	2.54E-13	4E-11	2.4E-08	5.31E-11	2.4E-08	3E-09	1.88E-11	3.02E-09	1.23E-14	3.73E-14	2.16E-14	3.15E-15	7.61E-14	4.2E-15	8.34112E-14	3.434E-06	2.4035E-08	3.02E-09	1.02625E-14	1.10835E-14	6.30444E-15	2.2696E-15
146	570830.6	4178079	0.55, 41780	0.30001	0.29551	164.85959	59.75168	20.60745	12.43332	4.51128E-11	2.79E-13	4.54E-11	2.48E-08	5.65E-11	2.48E-08	3.1E-09	1.95E-11	3.12E-09	1.4E-14	4.23E-14	2.45E-14	3.57E-15	8.63E-14	4.76E-15	9.4609E-14	3.55E-06	2.4847E-08	3.12E-09	1.16403E-14	1.25715E-14	7.1508E-15	2.57429E-15
147	570870.6	4178079	0.55, 41780	0.34051	0.32416	178.96906	63.85658	22.37113	13.91568	5.12028E-11	3.06E-13	5.15E-11	2.69E-08	6.03E-11	2.7E-08	3.36E-09	2.11E-11	3.39E-09	1.59E-14	4.8E-14	2.78E-14	4.05E-15	9.79E-14	5.4E-15	1.07359E-13	3.853E-06	2.6972E-08	3.39E-09	1.32089E-14	1.42656E-14	8.11445E-15	2.9212E-15
148	570910.6	4178079	0.55, 41780	0.37529	0.35313	192.82824	68.49057	24.10353	15.26079	5.64327E-11	3.34E-13	5.68E-11	2.9E-08	6.47E-11	2.91E-08	3.62E-09	2.28E-11	3.65E-09	1.75E-14	5.29E-14	3.06E-14	4.47E-15	1.08E-13	5.95E-15	1.18316E-13	4.152E-06	2.9061E-08	3.65E-09	1.45571E-14	1.57217E-14	8.94266E-15	3.21936E-15
149	570950.6	4178079	0.55, 41780	0.39192	0.37725	199.56835	75.56845	26.9715	14.65967	5.89334E-11	3.56E-13	5.93E-11	3E-08	7.14E-11	3.01E-08	4.06E-09	2.55E-11	4.08E-09	1.83E-14	5.52E-14	3.2E-14	4.67E-15	1.13E-13	6.22E-15	1.23576E-13	4.297E-06	3.0081E-08	4.08E-09	1.52042E-14	1.64205E-14	9.34019E-15	3.36247E-15
150	570990.6	4178079	0.55, 41780	0.38624	0.39167	209.52387	83.72546	31.32288	13.79848	5.80793E-11	3.70E-13	5.84E-11	3.15E-08	7.91E-11	3.16E-08	4.71E-09	2.96E-11	4.74E-09	1.8E-14	5.45E-14	3.15E-14	4.6E-15	1.11E-13	6.13E-15	1.21824E-13	4.512E-06	3.1585E-08	4.74E-09	1.49887E-14	1.61878E-14	9.20778E-15	3.3148E-15
151	571030.6	4178079	0.55, 41780	0.36706	0.40059	238.62537	94.19927	34.73297	15.69988	5.51952E-11	3.79E-13	5.56E-11	3.59E-08	8.90E-11	3.6E-08	5.22E-09	3.28E-11	5.26E-09	1.71E-14	5.18E-14	3E-14	4.37E-15	1.06E-13	5.83E-15	1.1583E-13	5.139E-06	3.5971E-08	5.26E-09	1.42512E-14	1.53913E-14	8.75476E-15	3.15172E-15
152	571070.6	4178079	0.55, 41780	0.35702	0.41066	228.92087	105.90077	31.45005	16.61116	5.36855E-11	3.88E-13	5.41E-11	3.44E-08	1.00E-10	3.45E-08	4.73E-09	2.97E-11	4.76E-09	1.67E-14	5.04E-14	2.92E-14	4.25E-15	1.03E-13	5.67E-15	1.12703E-13	4.932E-06	3.4523E-08	4.76E-09	1.38665E-14	1.49758E-14	8.51843E-15	3.06663E-15
153	571110.6	4178079	0.55, 41780	0.35812	0.41418	212.64364	104.08221	34.6648	20.98986	5.38509E-11	3.91E-13	5.42E-11	3.2E-08	9.83E-11	3.21E-08	5.21E-09	3.28E-11	5.25E-09	1.67E-14	5.05E-14	2.93E-14	4.27E-15	1.03E-13	5.69E-15	1.13055E-13	4.582E-06	3.2074E-08	5.25E-09	1.39098E-14	1.50226E-14	8.54501E-15	3.0762E-15
154	571150.6	4178079	0.55, 41780	0.37758	0.42317	239.48451	117.47672	34.21207	20.38272	5.67771E-11	4.00E-13	5.72E-11	3.6E-08	1.11E-10	3.61E-08	5.14E-09	3.23E-11	5.18E-09	1.76E-14	5.33E-14	3.08E-14	4.5E-15	1.09E-13	6E-15	1.19172E-13	5.16E-06	3.6123E-08	5.18E-09	1.46624E-14	1.58354E-14	9.00733E-15	3.24264E-15
155	571190.6	4178079	0.55, 41780	0.41277	0.43447	228.77572	115.09155	28.66724	20.67403	6.20687E-11	4.11E-13	6.25E-11	3.44E-08	1.09E-10	3.45E-08	4.31E-09	2.71E-11	4.34E-09	1.93E-14	5.82E-14	3.37E-14	4.92E-15	1.19E-13	6.55E-15	1.30223E-13	4.93E-06	3.451E-08	4.34E-09	1.60221E-14	1.73038E-14	9.84261E-15	3.54334E-15
156	571230.6	4178079	0.55, 41780	0.46673	0.45732	219.54291	100.98995	27.44286	18.56894	7.01827E-11	4.32E-13	7.06E-11	3.3E-08	9.54E-11	3.31E-08	4.13E-09	2.59E-11	4.15E-09	2.18E-14	6.58E-14	3.81E-14	5.56E-15	1.34E-13	7.4E-15	1.4718E-13	4.73E-06	3.3108E-08	4.15E-09	1.81083E-14	1.9557E-14	1.11243E-14	4.00473E-15
157	571270.6	4178079	0.55, 41780	0.53318	0.48578	215.1929	81.06645	26.89911	17.27973	8.01748E-11	4.59E-13	8.06E-11	3.24E-08	7.66E-11	3.24E-08	4.04E-09	2.54E-11	4.07E-09	2.49E-14	7.51E-14	4.35E-14	6.34E-15	1.53E-13	8.45E-15	1.68062E-13	4.634E-06	3.2435E-08	4.07E-09	2.06776E-14	2.23318E-14	1.27026E-14	4.57293E-15
158	571310.6	4178079	0.55, 41780	0.58671	0.50689	205.97464	69.75551	25.74683	14.70822	8.82242E-11	4.79E-13	8.87E-11	3.1E-08	6.59E-11	3.1E-08	3.87E-09	2.43E-11	3.9E-09	2.74E-14	8.26E-14	4.78E-14	6.98E-15	1.69E-13	9.3E-15	1.84881E-13	4.434E-06	3.1039E-08	3.9E-09	2.27469E-14	2.45666E-14	1.39738E-14	5.03056E-15
159	571350.6	4178079	0.55, 41780	0.61439	0.51569	184.46358	62.8789	23.05795	12.5762	9.23865E-11	4.87E-13	9.29E-11	2.77E-08	5.94E-11	2.78E-08	3.47E-09	2.18E-11	3.49E-09	2.87E-14	8.65E-14	5.01E-14	7.31E-15	1.77E-13	9.74E-15	1.93573E-13	3.971E-06	2.7797E-08	3.49E-09	2.38164E-14	2.57217E-14	1.46308E-14	5.26709E-15
160	571390.6	4178079	0.55, 41780	0.61879	0.51229	162.6235	50.78632	20.32794	11.67282	9.30481E-11	4.84E-13	9.35E-11	2.45E-08	4.80E-11	2.45E-08	3.06E-09	1.92E-11	3.08E-09	2.89E-14	8.71E-14	5.04E-14	7.36E-15	1.78E-13	9.81E-15	1.94946E-13	3.5E-06	2.4502E-08	3.08E-09	2.39852E-14	2.59041E-14	1.47345E-14	5.30443E-15
161	571430.6	4178079	0.55, 41780	0.60477	0.49855	157.24404	39.05995	19.65551	9.99401	9.09399E-11	4.71E-13	9.14E-11	2.36E-08	3.69E-11	2.37E-08	2.96E-09	1.86E-11	2.97E-09	2.82E-14	8.52E-14	4.93E-14	7.19E-15	1.74E-13	9.58E-15	1.90525E-13	3.383E-06	2.3682E-08	2.97E-09	2.34413E-14	2.53166E-14	1.44004E-14	5.18413E-15
162	571470.6	4178079	0.55, 41780	0.57311	0.47467	152.07991	30.59352	19.00999	9.68796	8.61791E-11	4.49E-13	8.66E-11	2.29E-08	2.89E-11	2.29E-08	2.86E-09	1.80E-11	2.88E-09	2.67E-14	8.07E-14	4.67E-14	6.82E-15	1.65E-13	9.08E-15	1.80555E-13	3.271E-06	2.2897E-08	2.88E-09	2.22147E-14	2.39918E-14	1.36468E-14	4.91286E-15
163	571510.6	4178079	0.55, 41780	0.53465	0.44658	137.55383	33.88214	17.19423	8.95455	8.03959E-11	4.22E-13	8.08E-11	2.07E-08	3.20E-11	2.07E-08	2.59E-09	1.62E-11	2.6E-09	2.49E-14	7.53E-14	4.36E-14	6.36E-15	1.54E-13	8.47E-15	1.68446E-13	2.959E-06	2.0716E-08	2.6E-09	2.07248E-14	2.23828E-14	1.27316E-14	4.58337E-15
164	571550.6	4178079	0.55, 41780	0.48548	0.41212	120.13532	36.07438	15.01691	7.90342	7.30021E-11	3.89E-13	7.34E-11	1.81E-08	3.41E-11	1.81E-08	2.26E-09	1.42E-11	2.27E-09	2.26E-14	6.84E-14	3.96E-14	5.78E-15	1.39E-13	7.7E-15	1.52967E-13	2.586E-06	1.8099E-08	2.27E-09	1.88204E-14	2.0326E-14	1.15617E-14	4.16221E-15
165	571590.6	4178079	0.55, 41780	0.43445	0.37558	108.95419	37.19094	13.61927	6.74143	6.53287E-11	3.55E-13	6.57E-11	1.64E-08	3.51E-11	1.64E-08	2.05E-09	1.29E-11	2.06E-09	2.03E-14	6.12E-14	3.54E-14	5.17E-15	1.25E-13	6.89E-15	1.36902E-13	2.346E-06	1.6419E-08	2.06E-09	1.68438E-14	1.81913E-14	1.03474E-14	3.72507E-15
166	570310.6	4178119	0.55, 41781	0.10149	0.07442	69.0748	28.05035	8.63435	4.67506	1.52612E-11	7.03E-14	1.53E-11	1.04E-08	2.65E-11	1.04E-08	1.3E-09	8.16E-12	1.31E-09	4.73E-15	1.43E-14	8.27E-15	1.21E-15	2.91E-14	1.61E-15	3.19548E-14	1.488E-06	1.0413E-08	1.31E-09	3.93158E-15	4.24611E-15	2.41523E-15	8.69484E-16
167	570350.6	4178119	0.55, 41781	0.11138	0.08273	79.07973	29.62524	9.88497	4.93754	1.67483E-11	7.82E-14	1.68E-11	1.19E-08	2.80E-11	1.19E-08	1.49E-09	9.34E-12	1.5E-09	5.19E-15	1.57E-14	9.08E-15	1.32E-15	3.2E-14	1.76E-15	3.50709E-14	1.703E-06	1.1919E-08	1.5E-09	4.31496E-15	4.66016E-15	2.65075E-15	9.5427E-16
168	570390.6	4178119	0.55, 41781	0.12249	0.09237	81.81771	30.97041	10.22721	5.16174	1.84189E-11	8.73E-14	1.85E-11	1.23E-08	2.93E-11	1.23E-08	1.54E-09	9.66E-12	1.55E-09	5.71E-15	1.72E-14	9.98E-15	1.46E-15	3.52E-14	1.94E-15	3.85719E-14	1.762E-06	1.2332E-08	1.55E-09	4.74571E-15	5.12536E-15	2.91537E-15	1.04953E-15
169	570430.6	4178119	0.55, 41781	0.13492	0.10362	81.48606	32.23138	10.18576	5.3719	2.02881E-11	9.79E-14	2.04E-11	1.23E-08	3.05E-11	1.23E-08	1.53E-09	9.62E-12	1.54E-09	6.29E-15	1.9E-14	1.1E-14	1.6E-15	3.87E-14	2.14E-15	4.24897E-14	1.755E-06	1.2284E-08	1.54E-09	5.22775E-15	5.64597E-15	3.21149E-15	1.15614E-15
170	570470.6	4178119	0.55, 41781	0.14882	0.11683	90.82614	33.6686	11.35327	5.5932	2.23782E-11	1.10E-13	2.25E-11	1.37E-08	3.18E-11	1.37E-08	1.71E-09	1.07E-11	1.72E-09	6.94E-15	2.1E-14	1.21E-14	1.77E-15	4.27E-14	2.36E-15	4.68722E-14	1.956E-06	1.3689E-08	1.72E-09	5.76694E-15	6.2283E-15	3.54273E-15	1.27538E-15
171	570510.6	4178119	0.55, 41781	0.16361	0.13228	92.34034	35.20886	11.54254	5.82093	2.46022E-11	1.25E-13	2.47E-11	1.39E-08	3.33E-11	1.39E-08	1.74E-09	1.09E-11	1.75E-09	7.63E-15	2.3E-14	1.33E-14	1.95E-15	4.7E-14	2.59E-15	5.1538E-14	1.988E-06	1.3919E-08	1.75E-09	6.341E-15	6.84828E-15	3.89538E-15	1.40234E-15
172	570550.6	4178119	0.55, 41781	0.17911	0.1505	100.11195	36.92243	12.51399	6.33987	2.6933E-11	1.42E-13	2.71E-11	1.51E-08	3.49E-11	1.51E-08	1.88E-09	1.18E-11	1.89E-09	8.35E-15	2.52E-14	1.46E-14	2.13E-15	5.15E-14	2.84E-15	5.64318E-14	2.156E-06	1.5089E-08	1.89E-09	6.94311E-15	7.49856E-15	4.26527E-15	1.5355E-15
173	570590.6	4178119	0.55, 41781	0.19374	0.17125	103.74737	38.76233	12.96842	6.89651	2.91329E-11	1.62E-13	2.93E-11	1.56E-08	3.66E-11	1.56E-08	1.95E-09	1.23E-11	1.96E-09	9.04E-15	2.73E-14	1.58E-14	2.31E-15	5.57E-14	3.07E-15	6.10579E-14	2.234E-06	1.5637E-08	1.96E-09	7.51229E-15	8.11327E-15	4.61492E-15	1.66137E-15
174	570630.6	4178119	0.55, 41781	0.2069	0.19483	104.63966	41.01094	13.84797	7.49161	3.11118E-11	1.84E-13	3.13E-11	1.57E-08	3.88E-11	1.58E-08	2.08E-09	1.31E-11	2.1E-09	9.66E-15	2.92E-14	1.69E-14	2.46E-15	5.95E-14	3.28E-15	6.52288E-14	2.253E-06	1.5774E-08	2.1E-09	8.02546E-15	8.6675E-15	4.93017E-15	1.77486E-15
175	570670.6	4178119	0.55, 41781	0.21998	0.22122	115.58367	43.51142	15.0671	8.60459	3.30786E-11	2.09E-13	3.33E-11	1.74E-08	4.11E-11	1.74E-08	2.27E-09	1.42E-11	2.28E-09	1.03E-14	3.1E-14	1.8E-14	2.62E-15	6.33E-14	3.49E-15	6.93803E-14	2.489E-06	1.7422E-08	2.28E-09	8.53623E-15	9.21913E-15	5.24395E-15	1.88782E-15
176	570710.6	4178119	0.55, 41781	0.23703	0.25104	127.12041	45.98226	16.41254	9.96819	3.56424E-11	2.37E-13	3.59E-11	1.91E-08	4.34E-11	1.92E-08	2.47E-09	1.55E-11	2.48E-09	1.11E-14	3.34E-14	1.94E-14	2.82E-15	6.82E-14	3.76E-15	7.47827E-14	2.737E-06	1.9159E-08	2.48E-09	9.20092E-15	9.93699E-15	5.65228E-15	2.03482E-15
177	570750.6	4178119	0.55, 41781	0.26187	0.28441	163.41699	49.64069	20.42712	11.18287	3.93777E-11	2.69E-13	3.96E-11	2.46E-08	4.69E-11	2.46E-08	3.07E-09	1.93E-11	3.09E-09	1.22E-14	3.69E-14	2.14E-14	3.12E-15	7.54E-14	4.16E-15	8.26336E-14	3.517E-06	2.462E-08	3.09E-09	1.01669E-14	1.09802E-14	6.24567E-15	2.24844E-15
178	570790.6	4178119	0.55, 41781	0.29707	0.32177	189.30326	59.79186	23.66291	12.3939	4.46707E-11	3.04E-13	4.5E-11	2.85E-08	5.65E-11	2.85E-08	3.56E-09	2.24E-11	3.58E-09	1.39E-14	4.19E-14	2.43E-14	3.54E-15	8.55E-14	4.72E-15	9.37393E-14	4.075E-06	2.8522E-08	3.58E-09	1.15333E-14	1.24559E-14	7.08507E-15	2.55062E-15
179	570830.6	4178119	0.55, 41781	0.34574	0.3643	193.11502	64.55328	24.13938	13.76558	5.19893E-11	3.44E-13	5.23E-11	2.9E-08	6.10E-11	2.91E-08	3.63E-09	2.28E-11	3.65E-09	1.61E-14	4.88E-14	2.82E-14	4.12E-15	9.95E-14	5.49E-15	1.09077E-13	4.157E-06	2.91E-08	3.65E-09	1.34203E-14	1.44939E-14	8.24432E-15	2.96796E-15
180	570870.6	4178119	0.55, 41781	0.41228	0.41342	202.8381	69.60981	25.35476	15.49628	6.1995E-11	3.91E-13	6.24E-11	3.05E-08	6.58E-11	3.06E-08	3.81E-09	2.40E-11	3.84E-09	1.93E-14	5.81E-14	3.36E-14	4.91E-15	1.19E-13	6.54E-15	1.30028E-13	4.367E-06	3.0567E-08	3.84E-09	1.59981E-14	1.72779E-14	9.82787E-15	3.53803E-15
181	570910.6	4178119	0.55, 41781	0.49003	0.46844	224.50761	75.3478	28.06345	17.99511	7.36863E-11	4.43E-13	7.41E-11	3.38E-08	7.12E-11	3.38E-08	4.22E-09	2.65E-11	4.25E-09	2.29E-14	6.91E-14	4E-14	5.83E-15	1.41E-13	7.77E-15	1.54504E-13	4.833E-06	3.3831E-08	4.25E-09	1.90095E-14	2.05303E-14	1.16778E-14	4.20403E-15
182	570950.6	4178119	0.55, 41781	0.55455	0.52056	237.44511	82.6149	31.19836	20.61697	8.33883E-11	4.92E-13	8.39E-11	3.57E-08	7.81E-11	3.58E-08	4.69E-09	2.95E-11	4.72E-09	2.59E-14	7.82E-14	4.52E-14	6.6E-15	1.59E-13	8.8E-15	1.74828E-13	5.112E-06	3.5783E-08	4.72E-09	2.15101E-14	2.32309E-14	1.3214E-14	4.75704E-15
183	570990.6	4178119	0.55, 41781	0.59019	0.56679	260.70129	98.30209	39.14578	18.7176	8.87475E-11	5.36E-13	8.93E-11	3.92E-08	9.29E-11	3.93E-08	5.89E-09	3.70E-11	5.92E-09	2.76E-14	8.32E-14	4.82E-14	7.03E-15	1.7E-13	9.36E-15	1.86089E-13	5.614E-06	3.9295E-08	5.92E-09	2.28956E-14	2.47272E-14	1.40651E-14	5.06345E-15
184	571030.6	4178119	0.55, 41781	0.58003	0.59593	288.08817	110.38847	43.41155	19.84321	8.72197E-11	5.63E-13	8.78E-11	4.33E-08	1.04E-10	4.34E-08	6.53E-09	4.10E-11	6.57E-09	2.71E-14	8.18E-14	4.73E-14	6.91E-15	1.67E-13	9.2E-15	1.82963E-13	6.203E-06	4.3424E-08	6.57E-09	2.25109E-14	2.43118E-14	1.38288E-14	4.97837E-15
185	571070.6	4178119	0.55, 41781	0.56003	0.61401	281.59163	124.26135	39.26934	23.95732	8.42123E-11	5.80E-13	8.48E-11	4.23E-08	1.17E-10	4.25E-08	5.9E-09	3.71E-11	5.94E-09	2.62E-14	7.9E-14	4.57E-14	6.67E-15	1.61E-13	8.89E-15	1.7673E-13	6.066E-06	4.2461E-08	5.94E-09	2.1744E-14	2.34836E-14	1.33577E-14	4.80878E-15
186	571110.6	4178119	0.55, 41781	0.57497	0.62965	279.23237	138.16088	41.39356	27.39628	8.64588E-11	5.95E-13	8.71E-11	4.2E-08	1.31E-10	4.21E-08	6.22E-09	3.91E-11	6.26E-09	2.69E-14	8.11E-14	4.7E-14	6.85E-15	1.65E-13	9.13E-15	1.81443E-13	6.017E-06	4.2119E-08	6.26E-09	2.23239E-14	2.41098E-14	1.3714E-14	4.93702E-15
187	571150.6	4178119	0.55, 41781	0.64473	0.65929	273.06399	137.55558	37.77228	27.34359	9.69487E-11	6.23E-13	9.76E-11	4.11E-08	1.30E-10	4.12E-08	5.68E-09	3.57E-11	5.72E-09	3.01E-14	9.09E-14	5.26E-14	7.68E-15	1.85E-13	1.02E-14	2.03365E-13	5.884E-06	4.1191E-08	5.72E-09	2.50211E-14	2.70228E-14	1.53709E-14	5.53352E-15
188	571190.6	4178119	0.55, 41781	0.76806	0.70549	260.36357	120.74038	32.90288	24.49294	1.15494E-10	6.67E-13	1.16E-10	3.92E-08	1.14E-10	3.93E-08	4.95E-09	3.11E-11	4.98E-09	3.58E-14	1.08E-13	6.27E-14	9.14E-15	2.21E-13	1.22E-14	2.42109E-13	5.609E-06	3.9265E-08	4.98E-09	2.9788E-14	3.21711E-14	1.82993E-14	6.58774E-15
189	571230.6	4178119	0.55, 41781	0.88147	0.74364	250.38438	100.21062	31.29805	22.32262	1.32548E-10	7.03E-13	1.33E-10	3.77E-08	9.47E-11	3.77E-08	4.71E-09	2.96E-11	4.74E-09	4.11E-14	1.24E-13	7.19E-14	1.05E-14	2.53E-13	1.4E-14	2.77729E-13	5.392E-06	3.7745E-08	4.74E-09	3.41705E-14	3.69041E-14	2.09915E-14	7.55693E-15
190	571270.6	4178119	0.55, 41781	0.94057	0.75526	235.31349	80.57107	29.41419	18.81416	1.41434E-10	7.14E-13	1.42E-10	3.54E-08	7.61E-11	3.55E-08	4.42E-09	2.78E-11	4.45E-09	4.39E-14	1.32E-13	7.67E-14	1.12E-14	2.7E-13	1.49E-14	2.96274E-13	5.066E-06	3.546E-08	4.45E-09	3.64522E-14	3.93684E-14	2.23932E-14	8.06155E-15
191	571310.6	4178119	0.55, 41781	0.94266	0.74202	211.76846	71.48368	26.47106	15.9259	1.41749E-10	7.01E-13	1.42E-10	3.18E-08	6.75E-11	3.19E-08	3.98E-09	2.50E-11	4.01E-09	4.4E-14	1.33E-13	7.68E-14	1.12E-14	2.71E-13	1.49E-14	2.96903E-13	4.559E-06	3.1911E-08	4.01E-09	3.65296E-14	3.9452E-14	2.24407E-14	8.07867E-15
192	571350.6	4178119	0.55, 41781	0.90909	0.71255	184.59351	57.17412	23.07419	14.42847	1.36701E-10	6.73E-13	1.37E-10	2.78E-08	5.40E-11	2.78E-08	3.47E-09	2.18E-11	3.49E-09	4.24E-14	1.28E-13	7.41E-14	1.08E-14	2.61E-13	1.44E-14	2.86324E-13	3.973E-06	2.7812E-08	3.49E-09	3.5228E-14	3.80462E-14	2.16411E-14	7.79081E-15
193	571390.6	4178119	0.55, 41781	0.85308	0.67145	182.88204	42.90716	22.86025	12.27464	1.28279E-10	6.34E-13	1.29E-10	2.75E-08	4.05E-11	2.75E-08	3.44E-09	2.16E-11	3.46E-09	3.98E-14	1.2E-13	6.95E-14	1.01E-14	2.45E-13	1.35E-14	2.68689E-13	3.934E-06	2.7541E-08	3.46E-09	3.30582E-14	3.57029E-14	2.03082E-14	7.31096E-15
194	571430.6	4178119	0.55, 41781	0.78	0.62166	169.0522	41.64549	21.13153	11.39175	1.17289E-10	5.87E-13	1.18E-10	2.54E-08	3.94E-11	2.55E-08	3.18E-09	2.00E-11	3.2E-09	3.64E-14	1.1E-13	6.36E-14	9.28E-15	2.24E-13	1.24E-14	2.45686E-13	3.637E-06	2.546E-08	3.2E-09	3.02281E-14	3.26464E-14	1.85696E-14	6.68507E-15
195	571470.6	4178119	0.55, 41781	0.69763	0.567	144.82238	43.55007	18.1028	10.0864	1.04903E-10	5.36E-13	1.05E-10	2.18E-08	4.12E-11	2.18E-08	2.72E-09	1.71E-11	2.74E-09	3.25E-14	9.82E-14	5.69E-14	8.3E-15	2E-13	1.11E-14	2.19763E-13	3.117E-06	2.1818E-08	2.74E-09	2.70386E-14	2.92017E-14	1.66103E-14	5.9797E-15
196	571510.6	4178119	0.55, 41781	0.61632	0.51188	129.07456	44.20691	16.93315	8.5721	9.26767E-11	4.84E-13	9.32E-11	1.94E-08	4.18E-11	1.95E-08	2.55E-09	1.60E-11	2.56E-09	2.87E-14	8.68E-14	5.02E-14	7.33E-15	1.77E-13	9.77E-15	1.94171E-13	2.779E-06	1.9451E-08	2.56E-09	2.38899E-14	2.58011E-14	1.46759E-14	5.28334E-15
197	571550.6	4178119	0.55, 41781	0.53701	0.45659	116.13448	43.6354	16.99831	7.6971	8.07507E-11	4.31E-13	8.12E-11	1.75E-08	4.12E-11	1.75E-08	2.56E-09	1.61E-11	2.57E-09	2.51E-14	7.56E-14	4.38E-14	6.39E-15	1.54E-13	8.51E-15	1.69205E-13	2.501E-06	1.7504E-08	2.57E-09	2.08182E-14	2.24837E-14	1.2789E-14	4.60403E-15
198	571590.6	4178119	0.55, 41781	0.46599	0.40463	103.06511	42.01095	16.60125	6.75955	7.00714E-11	3.82E-13	7.05E-11	1.55E-08	3.97E-11	1.55E-08	2.5E-09	1.57E-11	2.51E-09	2.17E-14	6.56E-14	3.8E-14	5.54E-15	1.34E-13	7.39E-15	1.46844E-13	2.22E-06	1.5538E-08	2.51E-09	1.8067E-14	1.95124E-14	1.10989E-14	3.9956E-15
199	570310.6	4178159	0.55, 41781	0.10452	0.07557	83.14681	27.07322	10.39335	4.47805	1.57168E-11	7.14E-14	1.58E-11	1.25E-08	2.56E-11	1.25E-08	1.56E-09	9.82E-12	1.57E-09	4.87E-15	1.47E-14	8.52E-15	1.24E-15	3E-14	1.66E-15	3.29067E-14	1.79E-06	1.2528E-08	1.57E-09	4.0487E-15	4.37259E-15	2.48718E-15	8.95385E-16
200	570350.6	4178159	0.55, 41781	0.1156	0.08446	83.51332	29.37807	10.43917	4.89635	1.73829E-11	7.98E-14	1.75E-11	1.26E-08	2.78E-11	1.26E-08	1.57E-09	9.86E-12	1.58E-09	5.39E-15	1.63E-14	9.42E-15	1.37E-15	3.32E-14	1.83E-15	3.63969E-14	1.798E-06	1.2586E-08	1.58E-09	4.47811E-15	4.83635E-15	2.75097E-15	9.9035E-16
201	570390.6	4178159	0.55, 41781	0.12828	0.09489	85.72091	31.44775	10.71511	5.24129	1.92896E-11	8.97E-14	1.94E-11	1.29E-08	2.97E-11	1.29E-08	1.61E-09	1.01E-11	1.62E-09	5.98E-15	1.81E-14	1.05E-14	1.52E-15	3.68E-14	2.03E-15	4.03915E-14	1.846E-06	1.292E-08	1.62E-09	4.96959E-15	5.36715E-15	3.0529E-15	1.09904E-15
202	570430.6	4178159	0.55, 41781	0.14269	0.1072	94.53138	33.159	11.81642	5.5265	2.14564E-11	1.01E-13	2.16E-11	1.42E-08	3.13E-11	1.42E-08	1.78E-09	1.12E-11	1.79E-09	6.65E-15	2.01E-14	1.16E-14	1.7E-15	4.1E-14	2.26E-15	4.4932E-14	2.035E-06	1.4246E-08	1.79E-09	5.52823E-15	5.97049E-15	3.39608E-15	1.22259E-15
203	570470.6	4178159	0.55, 41781	0.15906	0.12183	91.68652	34.69147	11.46082	5.78191	2.3918E-11	1.15E-13	2.4E-11	1.38E-08	3.28E-11	1.38E-08	1.72E-09	1.08E-11	1.73E-09	7.42E-15	2.24E-14	1.3E-14	1.89E-15	4.57E-14	2.52E-15	5.00914E-14	1.974E-06	1.382E-08	1.73E-09	6.16302E-15	6.65606E-15	3.78604E-15	1.36298E-15
204	570510.6	4178159	0.55, 41781	0.17738	0.13933	103.8828	36.49731	12.98535	6.04456	2.66728E-11	1.32E-13	2.68E-11	1.56E-08	3.45E-11	1.57E-08	1.95E-09	1.23E-11	1.96E-09	8.27E-15	2.5E-14	1.45E-14	2.11E-15	5.09E-14	2.81E-15	5.58676E-14	2.236E-06	1.5655E-08	1.96E-09	6.87369E-15	7.42359E-15	4.22262E-15	1.52014E-15
205	570550.6	4178159	0.55, 41781	0.19733	0.16029	106.21161	38.46337	13.27645	6.62676	2.96727E-11	1.51E-13	2.98E-11	1.6E-08	3.63E-11	1.6E-08	2E-09	1.25E-11	2.01E-09	9.2E-15	2.78E-14	1.61E-14	2.35E-15	5.67E-14	3.13E-15	6.21615E-14	2.287E-06	1.6007E-08	2.01E-09	7.64806E-15	8.25991E-15	4.69833E-15	1.6914E-15
206	570590.6	4178159	0.55, 41781	0.21794	0.18524	115.65264	40.48441	14.45658	7.37316	3.27719E-11	1.75E-13	3.29E-11	1.74E-08	3.83E-11	1.74E-08	2.17E-09	1.37E-11	2.19E-09	1.02E-14	3.07E-14	1.78E-14	2.59E-15	6.26E-14	3.45E-15	6.867E-14	2.49E-06	1.7429E-08	2.19E-09	8.44885E-15	9.12476E-15	5.19027E-15	1.8685E-15
207	570630.6	4178159	0.55, 41781	0.23707	0.21436	118.44365	42.79741	14.80546	8.08317	3.56485E-11	2.03E-13	3.59E-11	1.78E-08	4.04E-11	1.79E-08	2.23E-09	1.40E-11	2.24E-09	1.11E-14	3.34E-14	1.93E-14	2.82E-15	6.81E-14	3.76E-15	7.4723E-14	2.55E-06	1.7851E-08	2.24E-09	9.19358E-15	9.92906E-15	5.64776E-15	2.03319E-15
208	570670.6	4178159	0.55, 41781	0.25383	0.24795	124.95922	45.84094	15.6199	8.90031	3.81687E-11	2.34E-13	3.84E-11	1.88E-08	4.33E-11	1.88E-08	2.35E-09	1.48E-11	2.36E-09	1.19E-14	3.58E-14	2.07E-14	3.02E-15	7.3E-14	4.03E-15	8.00419E-14	2.691E-06	1.8834E-08	2.36E-09	9.848E-15	1.06358E-14	6.04978E-15	2.17792E-15
209	570710.6	4178159	0.55, 41781	0.27135	0.28697	131.25248	49.29697	17.47805	10.6966	4.08032E-11	2.71E-13	4.11E-11	1.97E-08	4.66E-11	1.98E-08	2.63E-09	1.65E-11	2.64E-09	1.27E-14	3.83E-14	2.22E-14	3.23E-15	7.81E-14	4.31E-15	8.56098E-14	2.826E-06	1.9783E-08	2.64E-09	1.0533E-14	1.13757E-14	6.47062E-15	2.32942E-15
210	570750.6	4178159	0.55, 41781	0.29528	0.33222	146.48828	52.90094	21.86848	12.23914	4.44016E-11	3.14E-13	4.47E-11	2.2E-08	5.00E-11	2.21E-08	3.29E-09	2.07E-11	3.31E-09	1.38E-14	4.17E-14	2.41E-14	3.52E-15	8.5E-14	4.69E-15	9.31989E-14	3.154E-06	2.2078E-08	3.31E-09	1.14668E-14	1.23841E-14	7.04422E-15	2.53592E-15
211	570790.6	4178159	0.55, 41781	0.33253	0.38536	168.4296	63.37031	22.18934	13.75991	5.00029E-11	3.64E-13	5.04E-11	2.53E-08	5.99E-11	2.54E-08	3.34E-09	2.10E-11	3.36E-09	1.55E-14	4.69E-14	2.72E-14	3.96E-15	9.57E-14	5.28E-15	1.04978E-13	3.627E-06	2.5387E-08	3.36E-09	1.2916E-14	1.39493E-14	7.93453E-15	2.85643E-15
212	570830.6	4178159	0.55, 41781	0.39122	0.44987	226.40986	70.88867	28.30123	15.58224	5.88282E-11	4.25E-13	5.93E-11	3.4E-08	6.70E-11	3.41E-08	4.26E-09	2.67E-11	4.28E-09	1.83E-14	5.52E-14	3.2E-14	4.66E-15	1.13E-13	6.21E-15	1.23499E-13	4.873E-06	3.4112E-08	4.28E-09	1.51948E-14	1.64104E-14	9.33442E-15	3.36039E-15
213	570870.6	4178159	0.55, 41781	0.48272	0.53035	262.06298	76.1106	32.75787	17.58972	7.25871E-11	5.01E-13	7.31E-11	3.94E-08	7.19E-11	3.95E-08	4.93E-09	3.10E-11	4.96E-09	2.26E-14	6.81E-14	3.94E-14	5.75E-15	1.39E-13	7.66E-15	1.52335E-13	5.64E-06	3.9479E-08	4.96E-09	1.87426E-14	2.0242E-14	1.15139E-14	4.145E-15
214	570910.6	4178159	0.55, 41781	0.61652	0.63133	261.24493	84.17228	32.65562	20.33398	9.27068E-11	5.97E-13	9.33E-11	3.93E-08	7.95E-11	3.94E-08	4.91E-09	3.09E-11	4.94E-09	2.88E-14	8.69E-14	5.03E-14	7.34E-15	1.77E-13	9.78E-15	1.94469E-13	5.623E-06	3.9363E-08	4.94E-09	2.39265E-14	2.58407E-14	1.46985E-14	5.29145E-15
215	570950.6	4178159	0.55, 41781	0.78722	0.75662	286.12528	93.97029	38.09436	25.30252	1.18375E-10	7.15E-13	1.19E-10	4.3E-08	8.88E-11	4.31E-08	5.73E-09	3.60E-11	5.76E-09	3.67E-14	1.11E-13	6.42E-14	9.37E-15	2.26E-13	1.25E-14	2.48215E-13	6.159E-06	4.3114E-08	5.76E-09	3.05393E-14	3.29824E-14	1.87608E-14	6.75387E-15
216	570990.6	4178159	0.55, 41781	0.95557	0.89576	303.7283	113.02353	49.39935	30.83627	1.4369E-10	8.46E-13	1.45E-10	4.57E-08	1.07E-10	4.58E-08	7.43E-09	4.67E-11	7.47E-09	4.46E-14	1.35E-13	7.8E-14	1.14E-14	2.75E-13	1.52E-14	3.01252E-13	6.54E-06	4.5779E-08	7.47E-09	3.70647E-14	4.00299E-14	2.27694E-14	8.197E-15
217	571030.6	4178159	0.55, 41781	1.0701	1.00768	365.27865	135.92516	63.89384	29.33742	1.60912E-10	9.52E-13	1.62E-10	5.49E-08	1.28E-10	5.51E-08	9.61E-09	6.04E-11	9.67E-09	4.99E-14	1.51E-13	8.73E-14	1.27E-14	3.08E-13	1.7E-14	3.37368E-13	7.865E-06	5.5056E-08	9.67E-09	4.15082E-14	4.48289E-14	2.54992E-14	9.1797E-15
218	571070.6	4178159	0.55, 41781	1.06935	1.07923	382.13438	155.20031	54.74849	37.25068	1.60799E-10	1.02E-12	1.62E-10	5.75E-08	1.47E-10	5.76E-08	8.23E-09	5.17E-11	8.28E-09	4.99E-14	1.51E-13	8.73E-14	1.27E-14	3.08E-13	1.7E-14	3.37274E-13	8.23E-06	5.7609E-08	8.28E-09	4.14966E-14	4.48163E-14	2.5492E-14	9.17714E-15
219	571110.6	4178159	0.55, 41781	1.19831	1.16386	373.85472	174.62021	53.40782	39.37776	1.80191E-10	1.10E-12	1.81E-10	5.62E-08	1.65E-10	5.64E-08	8.03E-09	5.05E-11	8.08E-09	5.59E-14	1.69E-13	9.78E-14	1.43E-14	3.45E-13	1.9E-14	3.77858E-13	8.055E-06	5.6382E-08	8.08E-09	4.64899E-14	5.02091E-14	2.85595E-14	1.02814E-14
220	571150.6	4178159	0.55, 41781	1.53671	1.26322	331.2731	149.81574	50.26616	34.67292	2.31077E-10	1.19E-12	2.32E-10	4.98E-08	1.42E-10	5E-08	7.56E-09	4.75E-11	7.61E-09	7.17E-14	2.16E-13	1.25E-13	1.83E-14	4.41E-13	2.44E-14	4.84113E-13	7.136E-06	4.9955E-08	7.61E-09	5.9563E-14	6.43281E-14	3.65905E-14	1.31726E-14
221	571190.6	4178159	0.55, 41781	1.71324	1.27647	303.51531	125.05743	43.45807	29.97586	2.57622E-10	1.21E-12	2.59E-10	4.56E-08	1.18E-10	4.58E-08	6.53E-09	4.11E-11	6.58E-09	7.99E-14	2.41E-13	1.4E-13	2.04E-14	4.92E-13	2.71E-14	5.39465E-13	6.537E-06	4.5758E-08	6.58E-09	6.63734E-14	7.16833E-14	4.07742E-14	1.46787E-14
222	571230.6	4178159	0.55, 41781	1.67997	1.21931	277.00255	96.22407	36.53844	24.95569	2.52619E-10	1.15E-12	2.54E-10	4.17E-08	9.09E-11	4.17E-08	5.49E-09	3.45E-11	5.53E-09	7.83E-14	2.36E-13	1.37E-13	2E-14	4.82E-13	2.66E-14	5.28926E-13	5.963E-06	4.1744E-08	5.53E-09	6.50766E-14	7.02827E-14	3.99776E-14	1.43919E-14
223	571270.6	4178159	0.55, 41781	1.56347	1.13234	251.98402	83.18585	31.498	20.71301	2.35101E-10	1.07E-12	2.36E-10	3.79E-08	7.86E-11	3.8E-08	4.74E-09	2.98E-11	4.77E-09	7.29E-14	2.2E-13	1.27E-13	1.86E-14	4.49E-13	2.48E-14	4.92242E-13	5.424E-06	3.797E-08	4.77E-09	6.05632E-14	6.54083E-14	3.7205E-14	1.33938E-14
224	571310.6	4178159	0.55, 41781	1.42012	1.03692	223.09845	65.85457	27.88731	18.21453	2.13545E-10	9.80E-13	2.15E-10	3.35E-08	6.22E-11	3.36E-08	4.19E-09	2.64E-11	4.22E-09	6.62E-14	2E-13	1.16E-13	1.69E-14	4.08E-13	2.25E-14	4.47126E-13	4.801E-06	3.361E-08	4.22E-09	5.50124E-14	5.94134E-14	3.3795E-14	1.21662E-14
225	571350.6	4178159	0.55, 41781	1.26306	0.93714	212.7442	53.05659	26.59303	15.01468	1.89928E-10	8.86E-13	1.91E-10	3.2E-08	5.01E-11	3.2E-08	4E-09	2.51E-11	4.02E-09	5.89E-14	1.78E-13	1.03E-13	1.5E-14	3.63E-13	2E-14	3.97705E-13	4.577E-06	3.2041E-08	4.02E-09	4.89318E-14	5.28464E-14	3.00596E-14	1.08215E-14
226	571390.6	4178159	0.55, 41781	1.10199	0.83709	185.92823	54.01949	23.24103	13.29114	1.65707E-10	7.91E-13	1.66E-10	2.8E-08	5.10E-11	2.8E-08	3.49E-09	2.20E-11	3.52E-09	5.14E-14	1.55E-13	8.98E-14	1.31E-14	3.16E-13	1.75E-14	3.47027E-13	4.001E-06	2.8009E-08	3.52E-09	4.26966E-14	4.61123E-14	2.62292E-14	9.44251E-15
227	571430.6	4178159	0.55, 41781	0.9418	0.73869	159.26436	53.60229	21.61583	11.2268	1.41619E-10	6.98E-13	1.42E-10	2.39E-08	5.07E-11	2.4E-08	3.25E-09	2.04E-11	3.27E-09	4.39E-14	1.33E-13	7.68E-14	1.12E-14	2.71E-13	1.49E-14	2.96627E-13	3.428E-06	2.3999E-08	3.27E-09	3.64957E-14	3.94153E-14	2.24199E-14	8.07115E-15
228	571470.6	4178159	0.55, 41781	0.79447	0.64516	139.92539	51.85557	21.06215	9.90602	1.19465E-10	6.10E-13	1.2E-10	2.1E-08	4.90E-11	2.11E-08	3.17E-09	1.99E-11	3.19E-09	3.71E-14	1.12E-13	6.48E-14	9.45E-15	2.28E-13	1.26E-14	2.50268E-13	3.013E-06	2.109E-08	3.19E-09	3.07918E-14	3.32552E-14	1.89159E-14	6.80973E-15
229	571510.6	4178159	0.55, 41781	0.67282	0.56206	120.25585	49.92459	19.96311	8.50885	1.01173E-10	5.31E-13	1.02E-10	1.81E-08	4.72E-11	1.81E-08	3E-09	1.89E-11	3.02E-09	3.14E-14	9.48E-14	5.49E-14	8E-15	1.93E-13	1.07E-14	2.11977E-13	2.59E-06	1.813E-08	3.02E-09	2.60807E-14	2.81672E-14	1.60218E-14	5.76786E-15
230	571550.6	4178159	0.55, 41781	0.57423	0.48972	110.64777	47.57404	18.4413	7.31081	8.63476E-11	4.63E-13	8.68E-11	1.66E-08	4.50E-11	1.67E-08	2.77E-09	1.74E-11	2.79E-09	2.68E-14	8.09E-14	4.68E-14	6.83E-15	1.65E-13	9.1E-15	1.80936E-13	2.383E-06	1.6683E-08	2.79E-09	2.22615E-14	2.40424E-14	1.36756E-14	4.92321E-15
231	571590.6	4178159	0.55, 41781	0.49292	0.42713	100.4908	44.5532	16.74847	6.44552	7.41209E-11	4.04E-13	7.45E-11	1.51E-08	4.21E-11	1.52E-08	2.52E-09	1.58E-11	2.53E-09	2.3E-14	6.94E-14	4.02E-14	5.86E-15	1.42E-13	7.81E-15	1.55329E-13	2.165E-06	1.5153E-08	2.53E-09	1.91109E-14	2.06398E-14	1.17402E-14	4.22646E-15
232	570310.6	4178199	0.55, 41781	0.10691	0.07648	81.28791	24.55019	10.16099	3.94128	1.60762E-11	7.23E-14	1.61E-11	1.22E-08	2.32E-11	1.22E-08	1.53E-09	9.60E-12	1.54E-09	4.98E-15	1.5E-14	8.71E-15	1.27E-15	3.07E-14	1.69E-15	3.36576E-14	1.75E-06	1.2247E-08	1.54E-09	4.14108E-15	4.47236E-15	2.54393E-15	9.15815E-16
233	570350.6	4178199	0.55, 41781	0.11881	0.08587	92.41038	27.80697	11.5513	4.55912	1.78656E-11	8.11E-14	1.79E-11	1.39E-08	2.63E-11	1.39E-08	1.74E-09	1.09E-11	1.75E-09	5.54E-15	1.67E-14	9.68E-15	1.41E-15	3.41E-14	1.88E-15	3.74057E-14	1.989E-06	1.3922E-08	1.75E-09	4.60223E-15	4.97041E-15	2.82722E-15	1.0178E-15
234	570390.6	4178199	0.55, 41781	0.13286	0.09703	98.9418	30.67703	12.36772	5.11284	1.99783E-11	9.17E-14	2.01E-11	1.49E-08	2.90E-11	1.49E-08	1.86E-09	1.17E-11	1.87E-09	6.19E-15	1.87E-14	1.08E-14	1.58E-15	3.81E-14	2.1E-15	4.18311E-14	2.13E-06	1.4907E-08	1.87E-09	5.14671E-15	5.55845E-15	3.16171E-15	1.13822E-15
235	570430.6	4178199	0.55, 41781	0.14935	0.11037	98.24021	33.47488	12.28003	5.57915	2.24579E-11	1.04E-13	2.26E-11	1.48E-08	3.16E-11	1.48E-08	1.85E-09	1.16E-11	1.86E-09	6.96E-15	2.1E-14	1.22E-14	1.78E-15	4.29E-14	2.37E-15	4.70256E-14	2.115E-06	1.4804E-08	1.86E-09	5.78581E-15	6.24868E-15	3.55432E-15	1.27956E-15
236	570470.6	4178199	0.55, 41781	0.1686	0.12646	107.25905	35.76824	13.40738	5.96137	2.53526E-11	1.19E-13	2.55E-11	1.61E-08	3.38E-11	1.62E-08	2.02E-09	1.27E-11	2.03E-09	7.86E-15	2.37E-14	1.37E-14	2E-15	4.84E-14	2.67E-15	5.30905E-14	2.309E-06	1.6162E-08	2.03E-09	6.53201E-15	7.05457E-15	4.01272E-15	1.44458E-15
237	570510.6	4178199	0.55, 41781	0.19081	0.14598	111.923	37.71142	13.99038	6.28524	2.86923E-11	1.38E-13	2.88E-11	1.68E-08	3.56E-11	1.69E-08	2.1E-09	1.32E-11	2.12E-09	8.9E-15	2.69E-14	1.56E-14	2.27E-15	5.48E-14	3.02E-15	6.00898E-14	2.409E-06	1.6866E-08	2.12E-09	7.39318E-15	7.98463E-15	4.54175E-15	1.63503E-15
238	570550.6	4178199	0.55, 41781	0.21602	0.16987	119.57772	40.00549	14.94721	6.67621	3.24832E-11	1.61E-13	3.26E-11	1.8E-08	3.78E-11	1.8E-08	2.25E-09	1.41E-11	2.26E-09	1.01E-14	3.04E-14	1.76E-14	2.57E-15	6.2E-14	3.42E-15	6.8038E-14	2.574E-06	1.8019E-08	2.26E-09	8.37109E-15	9.04077E-15	5.1425E-15	1.8513E-15
239	570590.6	4178199	0.55, 41781	0.24388	0.19917	124.08345	42.52786	15.51043	7.78928	3.66725E-11	1.88E-13	3.69E-11	1.87E-08	4.02E-11	1.87E-08	2.33E-09	1.47E-11	2.35E-09	1.14E-14	3.43E-14	1.99E-14	2.9E-15	7.01E-14	3.87E-15	7.68274E-14	2.671E-06	1.8699E-08	2.35E-09	9.45249E-15	1.02087E-14	5.80682E-15	2.09046E-15
240	570630.6	4178199	0.55, 41781	0.27242	0.23473	135.79301	45.13025	16.97413	8.73982	4.09641E-11	2.22E-13	4.12E-11	2.04E-08	4.26E-11	2.05E-08	2.55E-09	1.60E-11	2.57E-09	1.27E-14	3.84E-14	2.22E-14	3.24E-15	7.83E-14	4.32E-15	8.58422E-14	2.923E-06	2.0462E-08	2.57E-09	1.05616E-14	1.14066E-14	6.48819E-15	2.33575E-15
241	570670.6	4178199	0.55, 41781	0.29828	0.27729	136.89517	48.04336	17.44831	9.65486	4.48527E-11	2.62E-13	4.51E-11	2.06E-08	4.54E-11	2.06E-08	2.62E-09	1.65E-11	2.64E-09	1.39E-14	4.2E-14	2.43E-14	3.55E-15	8.58E-14	4.73E-15	9.40309E-14	2.947E-06	2.063E-08	2.64E-09	1.15691E-14	1.24947E-14	7.10711E-15	2.55856E-15
242	570710.6	4178199	0.55, 41781	0.321	0.32818	151.98197	52.23375	19.68934	11.4382	4.82691E-11	3.10E-13	4.86E-11	2.29E-08	4.94E-11	2.29E-08	2.96E-09	1.86E-11	2.98E-09	1.5E-14	4.53E-14	2.62E-14	3.82E-15	9.23E-14	5.09E-15	1.01252E-13	3.272E-06	2.2903E-08	2.98E-09	1.24576E-14	1.34542E-14	7.65289E-15	2.75504E-15
243	570750.6	4178199	0.55, 41781	0.34558	0.38955	144.14265	57.26085	22.53194	13.53855	5.19652E-11	3.68E-13	5.23E-11	2.17E-08	5.41E-11	2.17E-08	3.39E-09	2.13E-11	3.41E-09	1.61E-14	4.88E-14	2.82E-14	4.12E-15	9.95E-14	5.49E-15	1.09076E-13	3.104E-06	2.1729E-08	3.41E-09	1.34203E-14	1.44939E-14	8.24429E-15	2.96794E-15
244	570790.6	4178199	0.55, 41781	0.38143	0.46429	173.32889	66.95506	25.57778	15.36352	5.7356E-11	4.39E-13	5.78E-11	2.61E-08	6.33E-11	2.61E-08	3.85E-09	2.42E-11	3.87E-09	1.78E-14	5.38E-14	3.12E-14	4.55E-15	1.1E-13	6.06E-15	1.20459E-13	3.732E-06	2.6127E-08	3.87E-09	1.48208E-14	1.60065E-14	9.10465E-15	3.27767E-15
245	570830.6	4178199	0.55, 41781	0.44289	0.55991	200.31972	78.9407	28.47462	17.66262	6.65978E-11	5.29E-13	6.71E-11	3.01E-08	7.46E-11	3.02E-08	4.28E-09	2.69E-11	4.31E-09	2.07E-14	6.25E-14	3.62E-14	5.28E-15	1.28E-13	7.04E-15	1.3991E-13	4.314E-06	3.0197E-08	4.31E-09	1.72139E-14	1.8591E-14	1.05748E-14	3.80692E-15
246	570870.6	4178199	0.55, 41781	0.55133	0.6879	245.75399	83.68372	34.28137	20.83884	8.29041E-11	6.50E-13	8.36E-11	3.7E-08	7.91E-11	3.7E-08	5.15E-09	3.24E-11	5.19E-09	2.58E-14	7.78E-14	4.51E-14	6.57E-15	1.59E-13	8.76E-15	1.74149E-13	5.29E-06	3.7033E-08	5.19E-09	2.14265E-14	2.31406E-14	1.31626E-14	4.73855E-15
247	570910.6	4178199	0.55, 41781	0.74216	0.86472	353.61381	98.21675	44.20173	24.01316	1.11599E-10	8.17E-13	1.12E-10	5.32E-08	9.28E-11	5.33E-08	6.65E-09	4.18E-11	6.69E-09	3.47E-14	1.05E-13	6.06E-14	8.85E-15	2.14E-13	1.18E-14	2.34306E-13	7.609E-06	5.3266E-08	6.69E-09	2.88279E-14	3.11341E-14	1.77094E-14	6.3754E-15
248	570950.6	4178199	0.55, 41781	1.08517	1.1274	376.11466	111.85514	52.74149	29.33795	1.63178E-10	1.07E-12	1.64E-10	5.66E-08	1.06E-10	5.67E-08	7.93E-09	4.98E-11	7.98E-09	5.07E-14	1.53E-13	8.86E-14	1.29E-14	3.12E-13	1.72E-14	3.42327E-13	8.095E-06	5.6662E-08	7.98E-09	4.21183E-14	4.54878E-14	2.5874E-14	9.31463E-15
249	570990.6	4178199	0.55, 41781	1.58976	1.56693	410.19015	135.68135	68.60008	44.06737	2.39054E-10	1.48E-12	2.41E-10	6.17E-08	1.28E-10	6.18E-08	1.03E-08	6.48E-11	1.04E-08	7.42E-14	2.24E-13	1.3E-13	1.89E-14	4.57E-13	2.52E-14	5.01337E-13	8.83E-06	6.1809E-08	1.04E-08	6.16823E-14	6.66169E-14	3.78924E-14	1.36413E-14
250	571030.6	4178199	0.55, 41781	2.42958	2.27373	561.74649	191.25505	107.05418	55.40677	3.65338E-10	2.15E-12	3.67E-10	8.45E-08	1.81E-10	8.47E-08	1.61E-08	1.01E-10	1.62E-08	1.13E-13	3.42E-13	1.98E-13	2.89E-14	6.98E-13	3.85E-14	7.6594E-13	1.209E-05	8.4651E-08	1.62E-08	9.42378E-14	1.01777E-13	5.78918E-14	2.0841E-14
251	571070.6	4178199	0.55, 41781	3.58306	3.18041	721.18769	259.71405	139.44796	73.67892	5.38788E-10	3.01E-12	5.42E-10	1.08E-07	2.45E-10	1.09E-07	2.1E-08	1.32E-10	2.11E-08	1.67E-13	5.05E-13	2.92E-13	4.26E-14	1.03E-12	5.68E-14	1.12924E-12	1.553E-05	1.0869E-07	2.11E-08	1.38937E-13	1.50052E-13	8.53511E-14	3.07264E-14
252	571110.6	4178199	0.55, 41781	5.26167	3.22788	536.30163	206.72583	116.57539	57.94295	7.91203E-10	3.05E-12	7.94E-10	8.06E-08	1.95E-10	8.08E-08	1.75E-08	1.10E-10	1.76E-08	2.45E-13	7.4E-13	4.28E-13	6.25E-14	1.51E-12	8.33E-14	1.65543E-12	1.155E-05	8.084E-08	1.76E-08	2.03677E-13	2.19971E-13	1.25122E-13	4.50439E-14
253	571150.6	4178199	0.55, 41781	4.55265	2.7214	406.82024	165.14744	75.27018	43.84452	6.84587E-10	2.57E-12	6.87E-10	6.12E-08	1.56E-10	6.13E-08	1.13E-08	7.11E-11	1.14E-08	2.12E-13	6.4E-13	3.71E-13	5.41E-14	1.31E-12	7.21E-14	1.43222E-12	8.761E-06	6.133E-08	1.14E-08	1.76214E-13	1.90311E-13	1.08251E-13	3.89703E-14
254	571190.6	4178199	0.55, 41781	3.6655	2.27193	348.88414	129.45816	55.11772	35.12171	5.51185E-10	2.15E-12	5.53E-10	5.25E-08	1.22E-10	5.26E-08	8.29E-09	5.21E-11	8.34E-09	1.71E-13	5.16E-13	2.98E-13	4.35E-14	1.05E-12	5.8E-14	1.15329E-12	7.512E-06	5.2584E-08	8.34E-09	1.41896E-13	1.53247E-13	8.71687E-14	3.13807E-14

255	571230.6	4178199	0.55, 41781	2.99647	1.91661	311.11499	100.77545	44.29874	28.05958	4.50582E-10	1.81E-12	4.52E-10	4.68E-08	9.52E-11	4.69E-08	6.66E-09	4.19E-11	6.7E-09	1.4E-13	4.22E-13	2.44E-13	3.56E-14	8.6E-13	4.74E-14	9.42907E-13	6.697E-06	4.6878E-08	6.7E-09	1.16011E-13	1.25292E-13	7.12674E-14	2.56563E-14
256	571270.6	4178199	0.55, 41781	2.48655	1.63354	275.28639	78.6156	36.03295	23.70769	3.73905E-10	1.54E-12	3.75E-10	4.14E-08	7.43E-11	4.15E-08	5.42E-09	3.40E-11	5.45E-09	1.16E-13	3.5E-13	2.03E-13	2.95E-14	7.14E-13	3.94E-14	7.82534E-13	5.924E-06	4.1469E-08	5.45E-09	9.62794E-14	1.03982E-13	5.9146E-14	2.12926E-14
257	571310.6	4178199	0.55, 41781	2.04979	1.39182	251.65063	69.80646	31.45633	18.505	3.08229E-10	1.32E-12	3.1E-10	3.78E-08	6.60E-11	3.79E-08	4.73E-09	2.97E-11	4.76E-09	9.55E-14	2.88E-13	1.67E-13	2.44E-14	5.88E-13	3.25E-14	6.45172E-13	5.415E-06	3.7907E-08	4.76E-09	7.9379E-14	8.57293E-14	4.87638E-14	1.7555E-14
258	571350.6	4178199	0.55, 41781	1.66907	1.18291	207.71058	67.17721	28.41822	15.5683	2.5098E-10	1.12E-12	2.52E-10	3.12E-08	6.35E-11	3.13E-08	4.27E-09	2.69E-11	4.3E-09	7.78E-14	2.35E-13	1.36E-13	1.98E-14	4.79E-13	2.64E-14	5.25438E-13	4.471E-06	3.1297E-08	4.3E-09	6.46475E-14	6.98193E-14	3.9714E-14	1.4297E-14
259	571390.6	4178199	0.55, 41781	1.33874	0.99933	175.53523	63.93291	26.80029	13.20173	2.01308E-10	9.44E-13	2.02E-10	2.64E-08	6.04E-11	2.65E-08	4.03E-09	2.53E-11	4.06E-09	6.24E-14	1.88E-13	1.09E-13	1.59E-14	3.84E-13	2.12E-14	4.21547E-13	3.779E-06	2.6456E-08	4.06E-09	5.18652E-14	5.60144E-14	3.18616E-14	1.14702E-14
260	571430.6	4178199	0.55, 41781	1.08215	0.84466	146.49279	60.30749	24.41546	11.02968	1.62724E-10	7.98E-13	1.64E-10	2.2E-08	5.70E-11	2.21E-08	3.67E-09	2.31E-11	3.69E-09	5.05E-14	1.52E-13	8.82E-14	1.29E-14	3.11E-13	1.71E-14	3.40823E-13	3.155E-06	2.2085E-08	3.69E-09	4.19334E-14	4.5288E-14	2.57603E-14	9.27372E-15
261	571470.6	4178199	0.55, 41781	0.88511	0.71494	129.54701	55.96987	21.59117	9.33698	1.33095E-10	6.76E-13	1.34E-10	1.95E-08	5.29E-11	1.95E-08	3.25E-09	2.04E-11	3.27E-09	4.13E-14	1.25E-13	7.22E-14	1.05E-14	2.54E-13	1.4E-14	2.78813E-13	2.79E-06	1.9533E-08	3.27E-09	3.43039E-14	3.70482E-14	2.10734E-14	7.58643E-15
262	571510.6	4178199	0.55, 41781	0.73336	0.60746	112.64977	51.14316	18.77496	8.40942	1.10276E-10	5.74E-13	1.11E-10	1.69E-08	4.83E-11	1.7E-08	2.82E-09	1.77E-11	2.84E-09	3.42E-14	1.03E-13	5.98E-14	8.72E-15	2.11E-13	1.16E-14	2.31041E-13	2.427E-06	1.6988E-08	2.84E-09	2.84262E-14	3.07003E-14	1.74627E-14	6.28657E-15
263	571550.6	4178199	0.55, 41781	0.6189	0.52125	97.68282	46.08498	16.28047	7.59304	9.30646E-11	4.93E-13	9.36E-11	1.47E-08	4.35E-11	1.47E-08	2.45E-09	1.54E-11	2.46E-09	2.89E-14	8.72E-14	5.05E-14	7.36E-15	1.78E-13	9.81E-15	1.94998E-13	2.105E-06	1.4732E-08	2.46E-09	2.39916E-14	2.5911E-14	1.47385E-14	5.30585E-15
264	571590.6	4178199	0.55, 41781	0.52714	0.45016	84.87826	41.93857	14.14638	6.8553	7.92666E-11	4.25E-13	7.97E-11	1.28E-08	3.96E-11	1.28E-08	2.13E-09	1.34E-11	2.14E-09	2.46E-14	7.43E-14	4.3E-14	6.27E-15	1.51E-13	8.36E-15	1.66099E-13	1.829E-06	1.2803E-08	2.14E-09	2.04361E-14	2.2071E-14	1.25542E-14	4.51952E-15
265	570310.6	4178239	0.55, 41782	0.10871	0.07725	69.36135	22.19632	9.49069	3.20395	1.63468E-11	7.30E-14	1.64E-11	1.04E-08	2.10E-11	1.05E-08	1.43E-09	8.97E-12	1.44E-09	5.07E-15	1.53E-14	8.86E-15	1.29E-15	3.12E-14	1.72E-15	3.42233E-14	1.493E-06	1.0451E-08	1.44E-09	4.21067E-15	4.54753E-15	2.58669E-15	9.31207E-16
266	570350.6	4178239	0.55, 41782	0.12097	0.08699	80.24676	23.95533	10.03084	3.79637	1.81904E-11	8.22E-14	1.83E-11	1.21E-08	2.26E-11	1.21E-08	1.51E-09	9.48E-12	1.52E-09	5.64E-15	1.7E-14	9.86E-15	1.44E-15	3.47E-14	1.92E-15	3.80849E-14	1.727E-06	1.2089E-08	1.52E-09	4.68579E-15	5.06065E-15	2.87856E-15	1.03628E-15
267	570390.6	4178239	0.55, 41782	0.13576	0.09875	97.68381	28.15369	12.21048	4.56788	2.04144E-11	9.33E-14	2.05E-11	1.47E-08	2.66E-11	1.47E-08	1.84E-09	1.15E-11	1.85E-09	6.33E-15	1.91E-14	1.11E-14	1.61E-15	3.9E-14	2.15E-15	4.27434E-14	2.102E-06	1.4715E-08	1.85E-09	5.25896E-15	5.67967E-15	3.23066E-15	1.16304E-15
268	570430.6	4178239	0.55, 41782	0.15369	0.11303	112.57412	32.01468	14.07177	5.30028	2.31105E-11	1.07E-13	2.32E-11	1.69E-08	3.03E-11	1.7E-08	2.12E-09	1.33E-11	2.13E-09	7.16E-15	2.16E-14	1.25E-14	1.83E-15	4.41E-14	2.43E-15	4.8391E-14	2.423E-06	1.6958E-08	2.13E-09	5.95381E-15	6.43012E-15	3.65752E-15	1.31671E-15
269	570470.6	4178239	0.55, 41782	0.17542	0.1305	120.86213	35.6675	15.10777	5.94458	2.63781E-11	1.23E-13	2.65E-11	1.82E-08	3.37E-11	1.82E-08	2.27E-09	1.43E-11	2.29E-09	8.18E-15	2.47E-14	1.43E-14	2.09E-15	5.04E-14	2.78E-15	5.52359E-14	2.601E-06	1.8208E-08	2.29E-09	6.79598E-15	7.33965E-15	4.17488E-15	1.50296E-15
270	570510.6	4178239	0.55, 41782	0.20166	0.15208	118.29832	38.86505	14.78729	6.47751	3.03238E-11	1.44E-13	3.05E-11	1.78E-08	3.67E-11	1.78E-08	2.22E-09	1.40E-11	2.24E-09	9.4E-15	2.84E-14	1.64E-14	2.4E-15	5.79E-14	3.19E-15	6.35024E-14	2.546E-06	1.7825E-08	2.24E-09	7.81304E-15	8.43809E-15	4.79968E-15	1.72788E-15
271	570550.6	4178239	0.55, 41782	0.23297	0.17899	134.82021	41.51275	16.85253	6.91879	3.50319E-11	1.69E-13	3.52E-11	2.03E-08	3.92E-11	2.03E-08	2.53E-09	1.59E-11	2.55E-09	1.09E-14	3.28E-14	1.9E-14	2.77E-15	6.69E-14	3.69E-15	7.33683E-14	2.902E-06	2.0312E-08	2.55E-09	9.02691E-15	9.74906E-15	5.54537E-15	1.99633E-15
272	570590.6	4178239	0.55, 41782	0.26933	0.21289	138.182	44.61865	17.27275	7.89914	4.04994E-11	2.01E-13	4.07E-11	2.08E-08	4.22E-11	2.08E-08	2.6E-09	1.63E-11	2.61E-09	1.26E-14	3.79E-14	2.2E-14	3.2E-15	7.74E-14	4.27E-15	8.48308E-14	2.974E-06	2.0821E-08	2.61E-09	1.04372E-14	1.12722E-14	6.41174E-15	2.30823E-15
273	570630.6	4178239	0.55, 41782	0.31001	0.25571	151.57706	47.88426	18.94713	9.37801	4.66165E-11	2.42E-13	4.69E-11	2.28E-08	4.52E-11	2.28E-08	2.85E-09	1.79E-11	2.87E-09	1.45E-14	4.37E-14	2.53E-14	3.69E-15	8.91E-14	4.91E-15	9.76647E-14	3.263E-06	2.2838E-08	2.87E-09	1.20162E-14	1.29775E-14	7.38176E-15	2.65743E-15
274	570670.6	4178239	0.55, 41782	0.35129	0.30919	163.01094	51.1286	20.37637	10.66356	5.28238E-11	2.92E-13	5.31E-11	2.45E-08	4.83E-11	2.46E-08	3.06E-09	1.93E-11	3.08E-09	1.64E-14	4.95E-14	2.86E-14	4.18E-15	1.01E-13	5.57E-15	1.10708E-13	3.509E-06	2.456E-08	3.08E-09	1.3621E-14	1.47107E-14	8.36759E-15	3.01233E-15
275	570710.6	4178239	0.55, 41782	0.3879	0.37553	161.77129	55.27243	21.46966	11.91574	5.83289E-11	3.55E-13	5.87E-11	2.43E-08	5.22E-11	2.44E-08	3.23E-09	2.03E-11	3.25E-09	1.81E-14	5.47E-14	3.17E-14	4.62E-15	1.12E-13	6.15E-15	1.22312E-13	3.483E-06	2.4378E-08	3.25E-09	1.50488E-14	1.62527E-14	9.2447E-15	3.32809E-15
276	570750.6	4178239	0.55, 41782	0.41955	0.45853	185.09687	61.2613	24.33831	15.0229	6.30882E-11	4.33E-13	6.35E-11	2.78E-08	5.79E-11	2.79E-08	3.66E-09	2.30E-11	3.68E-09	1.96E-14	5.92E-14	3.43E-14	5E-15	1.21E-13	6.66E-15	1.32395E-13	3.984E-06	2.7891E-08	3.68E-09	1.62893E-14	1.75925E-14	1.00068E-14	3.60245E-15
277	570790.6	4178239	0.55, 41782	0.45531	0.56517	195.76674	71.16962	30.0466	17.67317	6.84654E-11	5.34E-13	6.9E-11	2.94E-08	6.72E-11	2.95E-08	4.52E-09	2.84E-11	4.55E-09	2.13E-14	6.43E-14	3.72E-14	5.43E-15	1.31E-13	7.23E-15	1.43813E-13	4.215E-06	2.9505E-08	4.55E-09	1.76941E-14	1.91096E-14	1.08698E-14	3.91312E-15
278	570830.6	4178239	0.55, 41782	0.51729	0.70869	186.14136	86.93814	30.32646	20.0795	7.77854E-11	6.70E-13	7.85E-11	2.8E-08	8.21E-11	2.81E-08	4.56E-09	2.87E-11	4.59E-09	2.42E-14	7.31E-14	4.23E-14	6.17E-15	1.49E-13	8.23E-15	1.63521E-13	4.01E-06	2.8072E-08	4.59E-09	2.01189E-14	2.17284E-14	1.23594E-14	4.44937E-15
279	570870.6	4178239	0.55, 41782	0.63421	0.91745	225.98347	96.3139	37.66391	24.81387	9.53668E-11	8.67E-13	9.62E-11	3.4E-08	9.10E-11	3.41E-08	5.66E-09	3.56E-11	5.7E-09	2.97E-14	8.97E-14	5.19E-14	7.57E-15	1.83E-13	1.01E-14	2.00576E-13	4.867E-06	3.4072E-08	5.7E-09	2.4678E-14	2.66523E-14	1.51601E-14	5.45764E-15
280	570910.6	4178239	0.55, 41782	0.85302	1.23442	293.13359	117.47886	47.06613	30.6738	1.2827E-10	1.17E-12	1.29E-10	4.41E-08	1.11E-10	4.42E-08	7.08E-09	4.45E-11	7.12E-09	3.99E-14	1.21E-13	6.98E-14	1.02E-14	2.46E-13	1.36E-14	2.69779E-13	6.313E-06	4.419E-08	7.12E-09	3.31923E-14	3.58477E-14	2.03906E-14	7.34061E-15
281	570950.6	4178239	0.55, 41782	1.35023	1.79208	455.80102	142.22416	68.40553	39.86266	2.03035E-10	1.69E-12	2.05E-10	6.85E-08	1.34E-10	6.87E-08	1.03E-08	6.46E-11	1.04E-08	6.32E-14	1.91E-13	1.1E-13	1.61E-14	3.89E-13	2.15E-14	4.26709E-13	9.811E-06	6.8674E-08	1.04E-08	5.25003E-14	5.67004E-14	3.22518E-14	1.16107E-14
282	570990.6	4178239	0.55, 41782	3.0182	3.06414	885.93977	193.04223	147.1874	58.20401	4.5385E-10	2.90E-12	4.57E-10	1.33E-07	1.82E-10	1.33E-07	2.21E-08	1.39E-10	2.23E-08	1.41E-13	4.26E-13	2.46E-13	3.59E-14	8.68E-13	4.79E-14	9.51978E-13	1.906E-05	1.334E-07	2.23E-08	1.17127E-13	1.26497E-13	7.1953E-14	2.59031E-14
283	571030.6	4178239	0.55, 41782	7.70332	4.46365	679.65913	243.63294	144.28562	71.78775	1.15836E-09	4.22E-12	1.16E-09	1.02E-07	2.30E-10	1.02E-07	2.17E-08	1.36E-10	2.18E-08	3.59E-13	1.08E-12	6.27E-13	9.15E-14	2.21E-12	1.22E-13	2.42311E-12	1.463E-05	1.0243E-07	2.18E-08	2.98129E-13	3.21979E-13	1.83145E-13	6.59323E-14
284	571110.6	4178239	0.55, 41782	48.37684	13.76668	1082.14109	288.2044	441.33003	115.9324	7.27448E-09	1.30E-11	7.29E-09	1.63E-07	2.72E-10	1.63E-07	6.64E-08	4.17E-10	6.68E-08	2.25E-12	6.79E-12	3.93E-12	5.73E-13	1.39E-11	7.64E-13	1.5189E-11	2.329E-05	1.63E-07	6.68E-08	1.86879E-12	2.01829E-12	1.14803E-12	4.1329E-13
285	571150.6	4178239	0.55, 41782	14.38318	6.22649	550.93904	192.81003	147.46183	59.89562	2.16281E-09	5.88E-12	2.17E-09	8.28E-08	1.82E-10	8.3E-08	2.22E-08	1.39E-10	2.23E-08	6.69E-13	2.02E-12	1.17E-12	1.71E-13	4.12E-12	2.27E-13	4.52014E-12	1.186E-05	8.3027E-08	2.23E-08	5.56137E-13	6.00628E-13	3.41644E-13	1.22992E-13
286	571190.6	4178239	0.55, 41782	8.08563	4.10425	423.01159	138.20819	88.76631	43.45879	1.21584E-09	3.88E-12	1.22E-09	6.36E-08	1.31E-10	6.37E-08	1.33E-08	8.39E-11	1.34E-08	3.76E-13	1.14E-12	6.58E-13	9.6E-14	2.32E-12	1.28E-13	2.54222E-12	9.106E-06	6.3739E-08	1.34E-08	3.12784E-13	3.37806E-13	1.92148E-13	6.91733E-14
287	571230.6	4178239	0.55, 41782	5.48613	3.01374	364.79857	99.98669	64.1708	32.88659	8.24955E-10	2.85E-12	8.28E-10	5.49E-08	9.45E-11	5.49E-08	9.65E-09	6.06E-11	9.71E-09	2.55E-13	7.71E-13	4.46E-13	6.51E-14	1.57E-12	8.68E-14	1.72536E-12	7.85E-06	5.495E-08	9.71E-09	2.1228E-13	2.29263E-13	1.30407E-13	4.69466E-14
288	571270.6	4178239	0.55, 41782	3.91656	2.30583	308.69657	91.16262	42.97299	25.31404	5.88937E-10	2.18E-12	5.91E-10	4.64E-08	8.61E-11	4.65E-08	6.46E-09	4.06E-11	6.5E-09	1.82E-13	5.51E-13	3.19E-13	4.65E-14	1.12E-12	6.2E-14	1.23204E-12	6.644E-06	4.6505E-08	6.5E-09	1.51585E-13	1.63712E-13	9.3121E-14	3.35236E-14
289	571310.6	4178239	0.55, 41782	2.81911	1.80691	238.76095	82.99282	36.57222	19.65898	4.23912E-10	1.71E-12	4.26E-10	3.59E-08	7.84E-11	3.6E-08	5.5E-09	3.46E-11	5.53E-09	1.31E-13	3.97E-13	2.3E-13	3.35E-14	8.09E-13	4.46E-14	8.87104E-13	5.14E-06	3.5981E-08	5.53E-09	1.09145E-13	1.17877E-13	6.70497E-14	2.41379E-14
290	571350.6	4178239	0.55, 41782	2.07392	1.43877	186.98174	75.01218	31.16362	15.62493	3.11857E-10	1.36E-12	3.13E-10	2.81E-08	7.09E-11	2.82E-08	4.69E-09	2.94E-11	4.72E-09	9.67E-14	2.92E-13	1.69E-13	2.46E-14	5.95E-13	3.28E-14	6.52827E-13	4.027E-06	2.8188E-08	4.72E-09	8.03209E-14	8.67465E-14	4.93424E-14	1.77633E-14
291	571390.6	4178239	0.55, 41782	1.57003	1.1589	153.36435	67.14235	25.56072	13.28221	2.36087E-10	1.10E-12	2.37E-10	2.31E-08	6.34E-11	2.31E-08	3.84E-09	2.42E-11	3.87E-09	7.32E-14	2.21E-13	1.28E-13	1.87E-14	4.51E-13	2.49E-14	4.9435E-13	3.304E-06	2.3125E-08	3.87E-09	6.08226E-14	6.56884E-14	3.73643E-14	1.34511E-14
292	571430.6	4178239	0.55, 41782	1.23548	0.94866	124.99719	59.46648	20.83286	11.6734	1.8578E-10	8.96E-13	1.87E-10	1.88E-08	5.62E-11	1.89E-08	3.13E-09	1.97E-11	3.15E-09	5.76E-14	1.74E-13	1.01E-13	1.47E-14	3.55E-13	1.96E-14	3.89084E-13	2.693E-06	1.8852E-08	3.15E-09	4.78711E-14	5.17008E-14	2.9408E-14	1.05869E-14
293	571470.6	4178239	0.55, 41782	0.99131	0.7845	109.3041	54.21436	17.2339	10.26711	1.49064E-10	7.41E-13	1.5E-10	1.64E-08	5.12E-11	1.65E-08	2.59E-09	1.63E-11	2.61E-09	4.62E-14	1.4E-13	8.08E-14	1.18E-14	2.85E-13	1.57E-14	3.12234E-13	2.355E-06	1.6487E-08	2.61E-09	3.84159E-14	4.14892E-14	2.35995E-14	8.49582E-15
294	571510.6	4178239	0.55, 41782	0.81688	0.65976	100.30585	50.40167	14.55844	9.03737	1.22835E-10	6.23E-13	1.23E-10	1.51E-08	4.76E-11	1.51E-08	2.19E-09	1.38E-11	2.2E-09	3.81E-14	1.15E-13	6.66E-14	9.71E-15	2.35E-13	1.29E-14	2.5732E-13	2.162E-06	1.5131E-08	2.2E-09	3.16595E-14	3.41923E-14	1.94489E-14	7.00162E-15
295	571550.6	4178239	0.55, 41782	0.68618	0.56281	92.19218	46.80105	12.52836	7.96128	1.03182E-10	5.32E-13	1.04E-10	1.39E-08	4.42E-11	1.39E-08	1.88E-09	1.18E-11	1.9E-09	3.2E-14	9.66E-14	5.59E-14	8.16E-15	1.97E-13	1.09E-14	2.16166E-13	1.987E-06	1.3907E-08	1.9E-09	2.65961E-14	2.87238E-14	1.63384E-14	5.88183E-15
296	571590.6	4178239	0.55, 41782	0.57854	0.48285	84.94405	43.3686	10.89629	7.01254	8.69957E-11	4.56E-13	8.75E-11	1.28E-08	4.10E-11	1.28E-08	1.64E-09	1.03E-11	1.65E-09	2.7E-14	8.15E-14	4.72E-14	6.88E-15	1.66E-13	9.17E-15	1.82273E-13	1.831E-06	1.2814E-08	1.65E-09	2.2426E-14	2.42201E-14	1.37767E-14	4.9596E-15
297	570310.6	4178279	0.55, 41782	0.11004	0.07807	74.04292	22.79319	10.17864	3.64675	1.65468E-11	7.38E-14	1.66E-11	1.11E-08	2.15E-11	1.12E-08	1.53E-09	9.62E-12	1.54E-09	5.13E-15	1.55E-14	8.96E-15	1.31E-15	3.16E-14	1.74E-15	3.46417E-14	1.594E-06	1.1155E-08	1.54E-09	4.26216E-15	4.60313E-15	2.61831E-15	9.42593E-16
298	570350.6	4178279	0.55, 41782	0.12249	0.08802	80.9847	23.74961	11.08549	3.81596	1.84189E-11	8.32E-14	1.85E-11	1.22E-08	2.24E-11	1.22E-08	1.67E-09	1.05E-11	1.68E-09	5.71E-15	1.72E-14	9.98E-15	1.46E-15	3.52E-14	1.94E-15	3.85633E-14	1.743E-06	1.22E-08	1.68E-09	4.74465E-15	5.12423E-15	2.91472E-15	1.0493E-15
299	570390.6	4178279	0.55, 41782	0.13757	0.10016	86.03589	24.80698	11.74551	4.00404	2.06865E-11	9.46E-14	2.08E-11	1.29E-08	2.34E-11	1.3E-08	1.77E-09	1.11E-11	1.78E-09	6.41E-15	1.94E-14	1.12E-14	1.64E-15	3.95E-14	2.18E-15	4.33135E-14	1.852E-06	1.2961E-08	1.78E-09	5.32909E-15	5.75542E-15	3.27375E-15	1.17855E-15
300	570430.6	4178279	0.55, 41782	0.15607	0.11514	96.31741	27.84204	12.03968	4.46456	2.34684E-11	1.09E-13	2.36E-11	1.45E-08	2.63E-11	1.45E-08	1.81E-09	1.14E-11	1.82E-09	7.28E-15	2.2E-14	1.27E-14	1.86E-15	4.48E-14	2.47E-15	4.91411E-14	2.073E-06	1.451E-08	1.82E-09	6.0461E-15	6.52979E-15	3.71422E-15	1.33712E-15
301	570470.6	4178279	0.55, 41782	0.17907	0.13378	120.52086	33.01708	15.06511	5.41696	2.69269E-11	1.26E-13	2.71E-11	1.81E-08	3.12E-11	1.82E-08	2.27E-09	1.42E-11	2.28E-09	8.35E-15	2.52E-14	1.46E-14	2.13E-15	5.14E-14	2.84E-15	5.63863E-14	2.593E-06	1.8154E-08	2.28E-09	6.93752E-15	7.49252E-15	4.26183E-15	1.53426E-15
302	570510.6	4178279	0.55, 41782	0.20795	0.15724	141.57577	37.85068	17.69697	6.30845	3.12697E-11	1.49E-13	3.14E-11	2.13E-08	3.58E-11	2.13E-08	2.66E-09	1.67E-11	2.68E-09	9.7E-15	2.93E-14	1.69E-14	2.47E-15	5.97E-14	3.29E-15	6.54839E-14	3.046E-06	2.1325E-08	2.68E-09	8.05684E-15	8.70139E-15	4.94945E-15	1.7818E-15
303	570550.6	4178279	0.55, 41782	0.24435	0.18714	153.17347	42.50173	19.14668	7.08362	3.67432E-11	1.77E-13	3.69E-11	2.3E-08	4.02E-11	2.31E-08	2.88E-09	1.81E-11	2.9E-09	1.14E-14	3.44E-14	1.99E-14	2.91E-15	7.02E-14	3.87E-15	7.6951E-14	3.296E-06	2.3073E-08	2.9E-09	9.4677E-15	1.02251E-14	5.81616E-15	2.09382E-15
304	570590.6	4178279	0.55, 41782	0.28993	0.22577	157.86485	46.41285	19.73311	7.73548	4.35971E-11	2.13E-13	4.38E-11	2.37E-08	4.39E-11	2.38E-08	2.97E-09	1.86E-11	2.99E-09	1.35E-14	4.08E-14	2.36E-14	3.45E-15	8.33E-14	4.59E-15	9.13125E-14	3.397E-06	2.3782E-08	2.99E-09	1.12347E-14	1.21334E-14	6.90164E-15	2.48459E-15
305	570630.6	4178279	0.55, 41782	0.34541	0.27631	169.89337	50.77009	21.23667	9.57894	5.19397E-11	2.61E-13	5.22E-11	2.55E-08	4.80E-11	2.56E-08	3.19E-09	2.01E-11	3.21E-09	1.61E-14	4.86E-14	2.82E-14	4.11E-15	9.92E-14	5.47E-15	1.088E-13	3.656E-06	2.5595E-08	3.21E-09	1.33863E-14	1.44572E-14	8.22341E-15	2.96043E-15
306	570670.6	4178279	0.55, 41782	0.40869	0.34273	189.16159	55.36754	23.6452	11.64813	6.14551E-11	3.24E-13	6.18E-11	2.84E-08	5.23E-11	2.85E-08	3.56E-09	2.23E-11	3.58E-09	1.91E-14	5.76E-14	3.33E-14	4.86E-15	1.17E-13	6.48E-15	1.28764E-13	4.071E-06	2.8497E-08	3.58E-09	1.58425E-14	1.71099E-14	9.73231E-15	3.50363E-15
307	570710.6	4178279	0.55, 41782	0.47241	0.42944	202.37611	59.97812	25.29701	13.4468	7.10368E-11	4.06E-13	7.14E-11	3.04E-08	5.67E-11	3.05E-08	3.8E-09	2.39E-11	3.83E-09	2.2E-14	6.66E-14	3.85E-14	5.62E-15	1.36E-13	7.49E-15	1.48905E-13	4.355E-06	3.0488E-08	3.83E-09	1.83206E-14	1.97863E-14	1.12547E-14	4.05167E-15
308	570750.6	4178279	0.55, 41782	0.52143	0.53099	207.36077	66.44988	28.38204	16.35494	7.8408E-11	5.02E-13	7.89E-11	3.12E-08	6.28E-11	3.12E-08	4.27E-09	2.68E-11	4.29E-09	2.44E-14	7.35E-14	4.26E-14	6.21E-15	1.5E-13	8.27E-15	1.64469E-13	4.463E-06	3.1244E-08	4.29E-09	2.02355E-14	2.18543E-14	1.2431E-14	4.47515E-15
309	570790.6	4178279	0.55, 41782	0.56782	0.69623	217.33897	75.80804	33.24185	20.36018	8.53837E-11	6.58E-13	8.6E-11	3.27E-08	7.16E-11	3.28E-08	5E-09	3.14E-11	5.03E-09	2.66E-14	8.02E-14	4.64E-14	6.77E-15	1.64E-13	9.02E-15	1.79333E-13	4.679E-06	3.2753E-08	5.03E-09	2.20644E-14	2.38295E-14	1.35545E-14	4.87962E-15
310	570830.6	4178279	0.55, 41782	0.62461	0.91706	236.67869	94.57659	34.09074	24.90976	9.39233E-11	8.67E-13	9.48E-11	3.56E-08	8.94E-11	3.57E-08	5.13E-09	3.22E-11	5.16E-09	2.93E-14	8.83E-14	5.11E-14	7.46E-15	1.8E-13	9.94E-15	1.97567E-13	5.097E-06	3.5679E-08	5.16E-09	2.43077E-14	2.62524E-14	1.49326E-14	5.37575E-15
311	570870.6	4178279	0.55, 41782	0.74364	1.27032	232.57719	121.10786	38.76287	29.17824	1.11822E-10	1.20E-12	1.13E-10	3.5E-08	1.14E-10	3.51E-08	5.83E-09	3.66E-11	5.87E-09	3.49E-14	1.05E-13	6.1E-14	8.89E-15	2.15E-13	1.19E-14	2.35568E-13	5.012E-06	3.5087E-08	5.87E-09	2.89832E-14	3.13019E-14	1.78049E-14	6.40976E-15
312	570910.6	4178279	0.55, 41782	0.98087	1.94043	289.58181	139.00222	48.26363	45.30681	1.47494E-10	1.83E-12	1.49E-10	4.35E-08	1.31E-10	4.37E-08	7.26E-09	4.56E-11	7.3E-09	4.61E-14	1.39E-13	8.05E-14	1.18E-14	2.84E-13	1.57E-14	3.11239E-13	6.239E-06	4.3676E-08	7.3E-09	3.82934E-14	4.13569E-14	2.35243E-14	8.46874E-15
313	570950.6	4178279	0.55, 41782	1.54705	3.33468	380.89662	209.14004	63.48277	60.99964	2.32632E-10	3.15E-12	2.36E-10	5.73E-08	1.98E-10	5.75E-08	9.55E-09	6.00E-11	9.61E-09	7.28E-14	2.2E-13	1.27E-13	1.86E-14	4.48E-13	2.47E-14	4.91433E-13	8.21E-06	5.7473E-08	9.61E-09	6.04637E-14	6.53008E-14	3.71438E-14	1.33718E-14
314	571150.6	4178279	0.55, 41782	125.5821	15.27099	2183.625	235.47088	1020.3296	115.3363	1.88839E-08	1.44E-11	1.89E-08	3.28E-07	2.23E-10	3.29E-07	1.53E-07	9.64E-10	1.54E-07	5.83E-12	1.76E-11	1.02E-11	1.49E-12	3.59E-11	1.98E-12	3.93891E-11	4.694E-05	3.2858E-07	1.54E-07	4.84626E-12	5.23396E-12	2.97714E-12	1.07177E-12
315	571190.6	4178279	0.55, 41782	19.14498	7.50998	704.1647	157.76938	186.41477	61.8786	2.87885E-09	7.10E-12	2.89E-09	1.06E-07	1.49E-10	1.06E-07	2.8E-08	1.76E-10	2.82E-08	8.91E-13	2.69E-12	1.56E-12	2.27E-13	5.49E-12	3.03E-13	6.01507E-12	1.515E-05	1.0604E-07	2.82E-08	7.40067E-13	7.99273E-13	4.54635E-13	1.63669E-13
316	571230.6	4178279	0.55, 41782	9.41744	4.44398	418.2482	120.63814	87.01567	39.51148	1.41611E-09	4.20E-12	1.42E-09	6.29E-08	1.14E-10	6.3E-08	1.31E-08	8.22E-11	1.32E-08	4.38E-13	1.32E-12	7.66E-13	1.12E-13	2.7E-12	1.49E-13	2.9603E-12	9.001E-06	6.3006E-08	1.32E-08	3.64222E-13	3.9336E-13	2.23747E-13	8.05491E-14
317	571270.6	4178279	0.55, 41782	5.33507	3.02277	265.61255	99.06709	58.88721	29.56115	8.0224E-10	2.86E-12	8.05E-10	3.99E-08	9.36E-11	4E-08	8.85E-09	5.56E-11	8.91E-09	2.48E-13	7.5E-13	4.34E-13	6.34E-14	1.53E-12	8.44E-14	1.67803E-12	5.719E-06	4.0034E-08	8.91E-09	2.06458E-13	2.22974E-13	1.2683E-13	4.56589E-14
318	571310.6	4178279	0.55, 41782	3.44949	2.20529	197.38222	83.78037	42.40574	23.44903	5.18703E-10	2.08E-12	5.21E-10	2.97E-08	7.92E-11	2.98E-08	6.38E-09	4.01E-11	6.42E-09	1.61E-13	4.85E-13	2.81E-13	4.1E-14	9.9E-13	5.46E-14	1.08546E-12	4.251E-06	2.976E-08	6.42E-09	1.3355E-13	1.44234E-13	8.20418E-14	2.95351E-14
319	571350.6	4178279	0.55, 41782	2.42474	1.67304	164.77993	74.08708	31.82391	19.20475	3.64611E-10	1.58E-12	3.66E-10	2.48E-08	7.00E-11	2.48E-08	4.79E-09	3.01E-11	4.82E-09	1.13E-13	3.41E-13	1.98E-13	2.88E-14	6.96E-13	3.84E-14	7.6324E-13	3.55E-06	2.4848E-08	4.82E-09	9.39056E-14	1.01418E-13	5.76877E-14	2.07676E-14
320	571390.6	4178279	0.55, 41782	1.80332	1.30805	139.62437	66.18564	24.75802	16.07748	2.71167E-10	1.24E-12	2.72E-10	2.1E-08	6.25E-11	2.11E-08	3.72E-09	2.34E-11	3.75E-09	8.41E-14	2.54E-13	1.47E-13	2.14E-14	5.18E-13	2.86E-14	5.6776E-13	3.008E-06	2.1058E-08	3.75E-09	6.98546E-14	7.5443E-14	4.29128E-14	1.54486E-14
321	571430.6	4178279	0.55, 41782	1.38872	1.04688	120.07885	59.47148	19.78612	13.66223	2.08823E-10	9.89E-13	2.1E-10	1.81E-08	5.62E-11	1.81E-08	2.98E-09	1.87E-11	2.99E-09	6.47E-14	1.95E-13	1.13E-13	1.65E-14	3.99E-13	2.2E-14	4.37305E-13	2.588E-06	1.8113E-08	2.99E-09	5.3804E-14	5.81083E-14	3.30527E-14	1.1899E-14
322	571470.6	4178279	0.55, 41782	1.11171	0.86066	104.95004	53.66694	16.34545	11.81303	1.67169E-10	8.13E-13	1.68E-10	1.58E-08	5.07E-11	1.58E-08	2.46E-09	1.54E-11	2.47E-09	5.18E-14	1.57E-13	9.06E-14	1.32E-14	3.19E-13	1.76E-14	3.50119E-13	2.262E-06	1.5832E-08	2.47E-09	4.30771E-14	4.65233E-14	2.6463E-14	9.52666E-15
323	571510.6	4178279	0.55, 41782	0.90331	0.71725	92.95227	48.50847	13.70064	10.27697	1.35832E-10	6.78E-13	1.37E-10	1.4E-08	4.58E-11	1.4E-08	2.06E-09	1.29E-11	2.07E-09	4.21E-14	1.27E-13	7.36E-14	1.07E-14	2.59E-13	1.43E-14	2.84522E-13	2.003E-06	1.4023E-08	2.07E-09	3.50062E-14	3.78067E-14	2.15049E-14	7.74177E-15
324	571550.6	4178279	0.55, 41782	0.74685	0.60641	83.35854	43.88956	11.6678	9.00306	1.12305E-10	5.73E-13	1.13E-10	1.25E-08	4.15E-11	1.26E-08	1.75E-09	1.10E-11	1.77E-09	3.48E-14	1.05E-13	6.09E-14	8.88E-15	2.15E-13	1.18E-14	2.35267E-13	1.797E-06	1.2576E-08	1.77E-09	2.89462E-14	3.12618E-14	1.77821E-14	6.40155E-15
325	571590.6	4178279	0.55, 41782	0.63093	0.52161	75.57295	41.1264	10.11638	7.96472	9.48736E-11	4.93E-13	9.54E-11	1.14E-08	3.89E-11	1.14E-08	1.52E-09	9.56E-12	1.53E-09	2.94E-14	8.89E-14	5.14E-14	7.5E-15	1.81E-13	1E-14	1.98769E-13	1.629E-06	1.1403E-08	1.53E-09	2.44556E-14	2.64121E-14	1.50235E-14	5.40846E-15
326	570310.6	4178319	0.55, 41783	0.1112	0.07908	65.67409	25.12162	10.72274	3.92383	1.67213E-11	7.47E-14	1.68E-11	9.88E-09	2.37E-11	9.9E-09	1.61E-09	1.01E-11	1.62E-09	5.18E-15	1.56E-14	9.06E-15	1.32E-15	3.19E-14	1.76E-15	3.50073E-14	1.414E-06	9.8992E-09	1.62E-09	4.30713E-15	4.65171E-15	2.64594E-15	9.52539E-16
327	570350.6	4178319	0.55, 41783	0.12381	0.08915	72.99363	26.3644	10.96785	4.13077	1.86174E-11	8.42E-14	1.87E-11	1.1E-08	2.49E-11	1.1E-08	1.65E-09	1.04E-11	1.66E-09	5.77E-15	1.74E-14	1.01E-14	1.47E-15	3.55E-14	1.96E-15	3.89792E-14	1.572E-06	1.1001E-08	1.66E-09	4.79583E-15	5.17949E-15	2.94615E-15	1.06062E-15
328	570390.6	4178319	0.55, 41783	0.13907	0.1015	85.61577	27.73961	11.84211	4.3586	2.09121E-11	9.59E-14	2.1E-11	1.29E-08	2.62E-11	1.29E-08	1.78E-09	1.12E-11	1.79E-09	6.48E-15	1.96E-14	1.13E-14	1.65E-15	3.99E-14	2.2E-15	4.37862E-14	1.843E-06	1.29E-08	1.79E-09	5.38726E-15	5.81824E-15	3.30948E-15	1.19141E-15
329	570430.6	4178319	0.55, 41783	0.15783	0.11689	97.99246	29.27563	13.47747	4.61214	2.37331E-11	1.10E-13	2.38E-11	1.47E-08	2.77E-11	1.48E-08	2.03E-09	1.27E-11	2.04E-09	7.36E-15	2.22E-14	1.29E-14	1.88E-15	4.53E-14	2.5E-15	4.96962E-14	2.109E-06	1.4763E-08	2.04E-09	6.11439E-15	6.60354E-15	3.75617E-15	1.35222E-15
330	570470.6	4178319	0.55, 41783	0.18134	0.13633	108.90086	31.01454	14.92794	4.89871	2.72683E-11	1.29E-13	2.74E-11	1.64E-08	2.93E-11	1.64E-08	2.24E-09	1.41E-11	2.26E-09	8.45E-15	2.55E-14	1.48E-14	2.16E-15	5.21E-14	2.87E-15	5.71028E-14	2.344E-06	1.6405E-08	2.26E-09	7.02567E-15	7.58772E-15	4.31598E-15	1.55375E-15
331	570510.6	4178319	0.55, 41783	0.21129	0.16124	118.40452	33.29424	15.9306	5.40834	3.17719E-11	1.52E-13	3.19E-11	1.78E-08	3.15E-11	1.78E-08	2.4E-09	1.51E-11	2.41E-09	9.85E-15	2.97E-14	1.72E-14	2.51E-15	6.07E-14	3.35E-15	6.65386E-14	2.548E-06	1.7836E-08	2.41E-09	8.1866E-15	8.84153E-15	5.02916E-15	1.8105E-15
332	570550.6	4178319	0.55, 41783	0.2503	0.19368	153.9338	39.94632	19.24172	6.62991	3.76379E-11	1.83E-13	3.78E-11	2.31E-08	3.77E-11	2.32E-08	2.89E-09	1.82E-11	2.91E-09	1.17E-14	3.52E-14	2.04E-14	2.98E-15	7.19E-14	3.97E-15	7.88287E-14	3.312E-06	2.3185E-08	2.91E-09	9.69873E-15	1.04746E-14	5.95808E-15	2.14491E-15
333	570590.6	4178319	0.55, 41783	0.30196	0.23671	186.54438	46.61587	23.31805	7.76931	4.5406E-11	2.24E-13	4.56E-11	2.81E-08	4.40E-11	2.81E-08	3.51E-09	2.20E-11	3.53E-09	1.41E-14	4.25E-14	2.46E-14	3.59E-15	8.67E-14	4.78E-15	9.51044E-14	4.014E-06	2.8095E-08	3.53E-09	1.17012E-14	1.26373E-14	7.18824E-15	2.58777E-15
334	570630.6	4178319	0.55, 41783	0.37105	0.29503	205.0145	52.79857	25.62681	8.79976	5.57952E-11	2.79E-13	5.61E-11	3.08E-08	4.99E-11	3.09E-08	3.85E-09	2.42E-11	3.88E-09	1.73E-14	5.22E-14	3.02E-14	4.41E-15	1.07E-13	5.88E-15	1.16873E-13	4.411E-06	3.0878E-08	3.88E-09	1.43795E-14	1.55299E-14	8.83357E-15	3.18008E-15
335	570670.6	4178319	0.55, 41783	0.462	0.37572	218.45656	59.57781	27.30707	11.98561	6.94714E-11	3.55E-13	6.98E-11	3.28E-08	5.63E-11	3.29E-08	4.11E-09	2.58E-11	4.13E-09	2.15E-14	6.51E-14	3.77E-14	5.49E-15	1.33E-13	7.32E-15	1.45537E-13	4.701E-06	3.2906E-08	4.13E-09	1.79062E-14	1.93387E-14	1.10001E-14	3.96002E-15
336	570710.6	4178319	0.55, 41783	0.57218	0.48827	242.44958	66.62286	30.3062	15.15553	8.60393E-11	4.61E-13	8.65E-11	3.65E-08	6.30E-11	3.65E-08	4.56E-09	2.86E-11	4.59E-09	2.67E-14	8.06E-14	4.67E-14	6.81E-15	1.64E-13	9.07E-15	1.8029E-13	5.217E-06	3.652E-08	4.59E-09	2.21821E-14	2.39567E-14	1.36268E-14	4.90565E-15
337	570750.6	4178319	0.55, 41783	0.67767	0.63416	262.41203	72.71034	32.8015	17.84948	1.01902E-10	5.99E-13	1.03E-10	3.95E-08	6.87E-11	3.95E-08	4.93E-09	3.10E-11	4.96E-09	3.16E-14	9.55E-14	5.53E-14	8.07E-15	1.95E-13	1.07E-14	2.13639E-13	5.647E-06	3.9528E-08	4.96E-09	2.62852E-14	2.83881E-14	1.61474E-14	5.81308E-15
338	570790.6	4178319	0.55, 41783	0.76041	0.85502	285.66779	86.45349	42.9347	23.67926	1.14344E-10	8.08E-13	1.15E-10	4.3E-08	8.17E-11	4.3E-08	6.46E-09	4.06E-11	6.5E-09	3.55E-14	1.07E-13	6.21E-14	9.06E-15	2.19E-13	1.21E-14	2.40006E-13	6.148E-06	4.3038E-08	6.5E-09	2.95293E-14	3.18916E-14	1.81403E-14	6.53051E-15
339	570830.6	4178319	0.55, 41783	0.82107	1.23378	302.59427	109.05103	45.07728	29.79255	1.23465E-10	1.17E-12	1.25E-10	4.55E-08	1.03E-10	4.56E-08	6.78E-09	4.26E-11	6.82E-09	3.85E-14	1.16E-13	6.72E-14	9.81E-15	2.37E-13	1.31E-14	2.59764E-13	6.515E-06	4.5604E-08	6.82E-09	3.19602E-14	3.4517E-14	1.96336E-14	7.06811E-15
340	570870.6	4178319	0.55, 41783	0.93174	1.8881	263.71888	150.69846	37.23183	42.82711	1.40107E-10	1.78E-12	1.42E-10	3.97E-08	1.42E-10	3.98E-08	5.6E-09	3.52E-11	5.63E-09	4.38E-14	1.32E-13	7.65E-14	1.12E-14	2.7E-13	1.49E-14	2.95738E-13	5.685E-06	3.9798E-08	5.63E-09	3.63862E-14	3.92971E-14	2.23527E-14	8.04696E-15
341	570910.6	4178319	0.55, 41783	1.19482	3.5981	225.26352	195.84246	37.31993	59.22953	1.79666E-10	3.40E-12	1.83E-10	3.39E-08	1.85E-10	3.41E-08	5.61E-09	3.53E-11	5.65E-09	5.65E-14	1.71E-13	9.87E-14	1.44E-14	3.48E-13	1.92E-14	3.81558E-13	4.865E-06	3.4058E-08	5.65E-09	4.69452E-14	5.07008E-14	2.88392E-14	1.03821E-14
342	571190.6	4178319	0.55, 41783	29.13102	9.74239	1204.46355	192.40018	337.10397	86.14095	4.38046E-09	9.21E-12	4.39E-09	1.81E-07	1.82E-10	1.81E-07	5.07E-08	3.19E-10	5.1E-08	1.35E-12	4.09E-12	2.37E-12	3.45E-13	8.34E-12	4.6E-13	9.14922E-12	2.59E-05	1.813E-07	5.1E-08	1.12568E-12	1.21573E-12	6.91523E-13	2.48948E-13
343	571230.6	4178319	0.55, 41783	10.45163	5.25398	479.33008	117.37647	126.19986	44.06446	1.57162E-09	4.96E-12	1.58E-09	7.21E-08	1.11E-10	7.22E-08	1.9E-08	1.19E-10	1.91E-08	4.87E-13	1.47E-12	8.5E-13	1.24E-13	3E-12	1.65E-13	3.28602E-12	1.031E-05	7.2188E-08	1.91E-08	4.04297E-13	4.36641E-13	2.48366E-13	8.94119E-14
344	571270.6	4178319	0.55, 41783	5.72808	3.4301	292.22118	96.9874	63.79547	33.00222	8.61337E-10	3.24E-12	8.65E-10	4.39E-08	9.16E-11	4.4E-08	9.59E-09	6.03E-11	9.65E-09	2.67E-13	8.06E-13	4.66E-13	6.8E-14	1.64E-12	9.07E-14	1.80201E-12	6.29E-06	4.4033E-08	9.65E-09	2.21711E-13	2.39448E-13	1.36201E-13	4.90323E-14
345	571310.6	4178319	0.55, 41783	3.67711	2.43151	175.48484	83.52768	43.52526	25.92364	5.52931E-10	2.30E-12	5.55E-10	2.64E-08	7.89E-11	2.65E-08	6.54E-09	4.11E-11	6.59E-09	1.71E-13	5.17E-13	2.99E-13	4.37E-14	1.06E-12	5.82E-14	1.15724E-12	3.781E-06	2.6467E-08	6.59E-09	1.42382E-13	1.53772E-13	8.74675E-14	3.14883E-14
346	571350.6	4178319	0.55, 41783	2.57847	1.81872	135.74456	73.58424	31.86463	21.08438	3.87727E-10	1.72E-12	3.89E-10	2.04E-08	6.95E-11	2.05E-08	4.79E-09	3.01E-11	4.82E-09	1.2E-13	3.63E-13	2.1E-13	3.06E-14	7.4E-13	4.08E-14	8.11708E-13	2.926E-06	2.0482E-08	4.82E-09	9.98688E-14	1.07858E-13	6.1351E-14	2.20864E-14
347	571390.6	4178319	0.55, 41783	1.91038	1.41202	114.67965	65.84745	24.95277	17.54375	2.87266E-10	1.33E-12	2.89E-10	1.72E-08	6.22E-11	1.73E-08	3.75E-09	2.36E-11	3.78E-09	8.91E-14	2.69E-13	1.56E-13	2.27E-14	5.49E-13	3.03E-14	6.01519E-13	2.472E-06	1.7307E-08	3.78E-09	7.40081E-14	7.99288E-14	4.54644E-14	1.63672E-14
348	571430.6	4178319	0.55, 41783	1.47151	1.12853	100.57811	59.61061	20.18585	14.84739	2.21272E-10	1.07E-12	2.22E-10	1.51E-08	5.63E-11	1.52E-08	3.04E-09	1.91E-11	3.05E-09	6.86E-14	2.07E-13	1.2E-13	1.75E-14	4.23E-13	2.33E-14	4.63413E-13	2.169E-06	1.518E-08	3.05E-09	5.70162E-14	6.15775E-14	3.5026E-14	1.26094E-14
349	571470.6	4178319	0.55, 41783	1.16585	0.92218	90.09229	54.43044	16.69193	12.71837	1.7531E-10	8.71E-13	1.76E-10	1.35E-08	5.14E-11	1.36E-08	2.51E-09	1.58E-11	2.53E-09	5.44E-14	1.64E-13	9.5E-14	1.39E-14	3.35E-13	1.85E-14	3.67209E-13	1.943E-06	1.3599E-08	2.53E-09	4.51797E-14	4.87941E-14	2.77546E-14	9.99166E-15
350	571510.6	4178319	0.55, 41783	0.94595	0.76805	81.52103	50.05282	14.06823	11.00608	1.42243E-10	7.26E-13	1.43E-10	1.23E-08	4.73E-11	1.23E-08	2.12E-09	1.33E-11	2.13E-09	4.41E-14	1.33E-13	7.71E-14	1.12E-14	2.72E-13	1.5E-14	2.97986E-13	1.758E-06	1.2306E-08	2.13E-09	3.66628E-14	3.95958E-14	2.25225E-14	8.10812E-15
351	571550.6	4178319	0.55, 41783	0.78212	0.64956	74.38547	46.28731	12.02264	9.59923	1.17608E-10	6.14E-13	1.18E-10	1.12E-08	4.37E-11	1.12E-08	1.81E-09	1.14E-11	1.82E-09	3.65E-14	1.1E-13	6.38E-14	9.3E-15	2.25E-13	1.24E-14	2.46406E-13	1.604E-06	1.1229E-08	1.82E-09	3.03167E-14	3.2742E-14	1.8624E-14	6.70464E-15
352	571590.6	4178319	0.55, 41783	0.65442	0.55508	68.29245	42.98116	10.3334	8.40789	9.84058E-11	5.25E-13	9.89E-11	1.03E-08	4.06E-11	1.03E-08	1.55E-09	9.76E-12	1.56E-09	3.05E-14	9.22E-14	5.34E-14	7.78E-15	1.88E-13	1.04E-14	2.06197E-13	1.473E-06	1.031E-08	1.56E-09	2.53695E-14	2.73991E-14	1.55849E-14	5.61057E-15
353	570310.6	4178359	0.55, 41783	0.11229	0.07993	69.29068	26.58817	11.54845	4.0095	1.68852E-11	7.55E-14	1.7E-11	1.04E-08	2.51E-11	1.04E-08	1.74E-09	1.09E-11	1.75E-09	5.23E-15	1.58E-14	9.15E-15	1.33E-15	3.22E-14	1.78E-15	3.53506E-14	1.492E-06	1.0444E-08	1.75E-09	4.34937E-15	4.69732E-15	2.67189E-15	9.6188E-16
354	570350.6	4178359	0.55, 41783	0.12531	0.09043	75.30937	28.06345	12.55156	4.25756	1.8843E-11	8.54E-14	1.89E-11	1.13E-08	2.65E-11	1.14E-08	1.89E-09	1.19E-11	1.9E-09	5.84E-15	1.76E-14	1.02E-14	1.49E-15	3.6E-14	1.98E-15	3.94519E-14	1.622E-06	1.1351E-08	1.9E-09	4.85398E-15	5.2423E-15	2.98188E-15	1.07348E-15
355	570390.6	4178359	0.55, 41783	0.14084	0.10296	81.29058	29.71471	13.54843	4.53386	2.11783E-11	9.73E-14	2.13E-11	1.22E-08	2.81E-11	1.23E-08	2.04E-09	1.28E-11	2.05E-09	6.57E-15	1.98E-14	1.15E-14	1.67E-15	4.04E-14	2.23E-15	4.43438E-14	1.75E-06	1.2252E-08	2.05E-09	5.45587E-15	5.89234E-15	3.35163E-15	1.20659E-15
356	570430.6	4178359	0.55, 41783	0.15989	0.11858	87.11605	31.54887	14.51934	4.83992	2.40428E-11	1.12E-13	2.42E-11	1.31E-08	2.98E-11	1.31E-08	2.18E-09	1.37E-11	2.2E-09	7.45E-15	2.25E-14	1.3E-14	1.9E-15	4.59E-14	2.53E-15	5.03451E-14	1.876E-06	1.313E-08	2.2E-09	6.19424E-15	6.68978E-15	3.80522E-15	1.36988E-15
357	570470.6	4178359	0.55, 41783	0.18374	0.13844	97.3598	33.59814	15.36354	5.1813	2.76292E-11	1.31E-13	2.78E-11	1.46E-08	3.17E-11	1.47E-08	2.31E-09	1.45E-11	2.32E-09	8.57E-15	2.59E-14	1.5E-14	2.18E-15	5.28E-14	2.91E-15	5.78591E-14	2.096E-06	1.4672E-08	2.32E-09	7.11873E-15	7.68822E-15	4.37315E-15	1.57433E-15
358	570510.6	4178359	0.55, 41783	0.21432	0.16421	118.04415	35.93263	16.48105	5.5698	3.22275E-11	1.55E-13	3.24E-11	1.78E-08	3.40E-11	1.78E-08	2.48E-09	1.56E-11	2.49E-09	9.99E-15	3.02E-14	1.75E-14	2.55E-15	6.16E-14	3.4E-15	6.74941E-14	2.541E-06	1.7784E-08	2.49E-09	8.30416E-15	8.9685E-15	5.10138E-15	1.8365E-15
359	570550.6	4178359	0.55, 41783	0.25472	0.19842	139.50155	38.63371	19.4148	6.01971	3.83025E-11	1.87E-13	3.85E-11	2.1E-08	3.65E-11	2.1E-08	2.92E-09	1.83E-11	2.94E-09	1.19E-14	3.59E-14	2.08E-14	3.03E-15	7.32E-14	4.04E-15	8.02233E-14	3.002E-06	2.1013E-08	2.94E-09	9.87031E-15	1.06599E-14	6.06349E-15	2.18286E-15
360	570590.6	4178359	0.55, 41783	0.30979	0.24497	159.83108	41.83842	22.23989	6.84975	4.65834E-11	2.31E-13	4.68E-11	2.4E-08	3.95E-11	2.41E-08	3.34E-09	2.10E-11	3.37E-09	1.44E-14	4.36E-14	2.53E-14	3.68E-15	8.9E-14	4.91E-15	9.75746E-14	3.439E-06	2.4073E-08	3.37E-09	1.20051E-14	1.29656E-14	7.37495E-15	2.65498E-15
361	570630.6	4178359	0.55, 41783	0.38734	0.31015	206.43147	51.05257	25.80393	8.50876	5.82447E-11	2.93E-13	5.85E-11	3.1E-08	4.82E-11	3.11E-08	3.88E-09	2.44E-11	3.9E-09	1.81E-14	5.45E-14	3.16E-14	4.61E-15	1.11E-13	6.14E-15	1.22008E-13	4.441E-06	3.109E-08	3.9E-09	1.50113E-14	1.62122E-14	9.22171E-15	3.31981E-15
362	570670.6	4178359	0.55, 41783	0.50063	0.40488	262.98595	60.70684	32.87324	10.74505	7.52803E-11	3.83E-13	7.57E-11	3.95E-08	5.74E-11	3.96E-08	4.94E-09	3.11E-11	4.97E-09	2.33E-14	7.05E-14	4.08E-14	5.95E-15	1.44E-13	7.93E-15	1.57701E-13	5.658E-06	3.9603E-08	4.97E-09	1.94029E-14	2.09551E-14	1.19195E-14	4.29102E-15
363	570710.6	4178359	0.55, 41783	0.66972	0.54814	304.17814	72.14807	38.02227	15.71205	1.00706E-10	5.18E-13	1.01E-10	4.57E-08	6.82E-11	4.58E-08	5.72E-09	3.59E-11	5.75E-09	3.12E-14	9.43E-14	5.46E-14	7.97E-15	1.92E-13	1.06E-14	2.10978E-13	6.544E-06	4.5808E-08	5.75E-09	2.59578E-14	2.80345E-14	1.59463E-14	5.74067E-15
364	570750.6	4178359	0.55, 41783	0.90523	0.76876	339.35657	85.82023	44.72327	21.31802	1.3612E-10	7.26E-13	1.37E-10	5.1E-08	8.11E-11	5.11E-08	6.73E-09	4.23E-11	6.77E-09	4.22E-14	1.28E-13	7.38E-14	1.08E-14	2.6E-13	1.43E-14	2.85225E-13	7.301E-06	5.111E-08	6.77E-09	3.50928E-14	3.79002E-14	2.15581E-14	7.7609E-15
365	570790.6	4178359	0.55, 41783	1.13154	1.06104	377.53193	96.31599	54.94081	27.90141	1.70151E-10	1.00E-12	1.71E-10	5.68E-08	9.10E-11	5.69E-08	8.26E-09	5.19E-11	8.31E-09	5.28E-14	1.59E-13	9.23E-14	1.35E-14	3.25E-13	1.79E-14	3.56729E-13	8.123E-06	5.6861E-08	8.31E-09	4.38903E-14	4.74015E-14	2.69625E-14	9.70651E-15
366	570830.6	4178359	0.55, 41783	1.33226	1.74963	411.58415	139.14147	69.46909	37.35577	2.00333E-10	1.65E-12	2.02E-10	6.19E-08	1.31E-10	6.2E-08	1.04E-08	6.56E-11	1.05E-08	6.23E-14	1.88E-13	1.09E-13	1.59E-14	3.84E-13	2.12E-14	4.20993E-13	8.86E-06	6.2022E-08	1.05E-08	5.17971E-14	5.59409E-14	3.18198E-14	1.14551E-14
367	570870.6	4178359	0.55, 41783	1.45984	3.38436	346.78431	184.49712	52.43952	61.49528	2.19518E-10	3.20E-12	2.23E-10	5.21E-08	1.74E-10	5.23E-08	7.89E-09	4.96E-11	7.93E-09	6.87E-14	2.08E-13	1.2E-13	1.75E-14	4.23E-13	2.34E-14	4.64198E-13	7.474E-06	5.2321E-08	7.93E-09	5.71128E-14	6.16819E-14	3.50853E-14	1.26307E-14
368	571150.6	4178359	0.55, 41783	17.36196	17.82412	1537.79423	258.8776	350.34789	128.93656	2.61074E-09	1.68E-11	2.63E-09	2.31E-07	2.45E-10	2.31E-07	5.27E-08	3.31E-10	5.3E-08	8.11E-13	2.45E-12	1.42E-12	2.07E-13	4.99E-12	2.76E-13	5.47657E-12	3.307E-05	2.3148E-07	5.3E-08	6.73812E-13	7.27717E-13	4.13934E-13	1.49016E-13
369	571190.6	4178359	0.55, 41783	10.35157	8.16971	590.93034	162.31709	161.82999	76.08872	1.55658E-09	7.72E-12	1.56E-09	8.89E-08	1.53E-10	8.9E-08	2.43E-08	1.53E-10	2.45E-08	4.83E-13	1.46E-12	8.44E-13	1.23E-13	2.97E-12	1.64E-13	3.26041E-12	1.272E-05	8.9012E-08	2.45E-08	4.01146E-13	4.33237E-13	2.4643E-13	8.87149E-14
370	571230.6	4178359	0.55, 41783	6.41954	4.85697	429.96716	118.18476	103.83364	47.29307	9.65313E-10	4.59E-12	9.7E-10	6.47E-08	1.12E-10	6.48E-08	1.56E-08	9.81E-11	1.57E-08	2.99E-13	9.04E-13	5.23E-13	7.63E-14	1.84E-12	1.02E-13	2.02153E-12	9.252E-06	6.4766E-08	1.57E-08	2.4872E-13	2.68618E-13	1.52793E-13	5.50054E-14
371	571270.6	4178359	0.55, 41783	4.24607	3.28764	330.34534	97.41521	71.25122	30.79427	6.38486E-10	3.11E-12	6.42E-10	4.97E-08	9.20E-11	4.98E-08	1.07E-08	6.73E-11	1.08E-08	1.98E-13	5.98E-13	3.46E-13	5.05E-14	1.22E-12	6.73E-14	1.33725E-12	7.109E-06	4.9766E-08	1.08E-08	1.64529E-13	1.77691E-13	1.01073E-13	3.63862E-14
372	571310.6	4178359	0.55, 41783	3.01802	2.39332	280.32399	84.30249	47.38187	23.6076	4.53823E-10	2.26E-12	4.56E-10	4.22E-08	7.97E-11	4.22E-08	7.12E-09	4.48E-11	7.17E-09	1.41E-13	4.25E-13	2.46E-13	3.59E-14	8.67E-13	4.78E-14	9.506E-13	6.033E-06	4.2232E-08	7.17E-09	1.16958E-13	1.26314E-13	7.18489E-14	2.58656E-14
373	571350.6	4178359	0.55, 41783	2.25439	1.82521	223.1696	75.03337	32.74083	19.24184	3.38995E-10	1.72E-12	3.41E-10	3.36E-08	7.09E-11	3.36E-08	4.92E-09	3.09E-11	4.95E-09	1.05E-13	3.17E-13	1.84E-13	2.68E-14	6.48E-13	3.57E-14	7.1015E-13	4.804E-06	3.3629E-08	4.95E-09	8.73736E-14	9.43635E-14	5.3675E-14	1.9323E-14
374	571390.6	4178359	0.55, 41783	1.7395	1.43625	164.0034	68.00709	25.39154	16.17569	2.6157E-10	1.36E-12	2.63E-10	2.47E-08	6.43E-11	2.47E-08	3.82E-09	2.40E-11	3.84E-09	8.11E-14	2.45E-13	1.42E-13	2.07E-14	5E-13	2.76E-14	5.4801E-13	3.532E-06	2.4726E-08	3.84E-09	6.74247E-14	7.28187E-14	4.14201E-14	1.49112E-14
375	571430.6	4178359	0.55, 41783	1.37666	1.15767	113.66708	62.41604	21.33563	13.79366	2.0701E-10	1.09E-12	2.08E-10	1.71E-08	5.90E-11	1.72E-08	3.21E-09	2.02E-11	3.23E-09	6.42E-14	1.94E-13	1.12E-13	1.64E-14	3.96E-13	2.18E-14	4.33743E-13	2.45E-06	1.7151E-08	3.23E-09	5.33658E-14	5.7635E-14	3.27835E-14	1.1802E-14
376	571470.6	4178359	0.55, 41783	1.11313	0.95193	91.64258	57.80687	17.74486	11.89568	1.67383E-10	9.00E-13	1.68E-10	1.38E-08	5.46E-11	1.38E-08	2.67E-09	1.68E-11	2.69E-09	5.19E-14	1.57E-13	9.08E-14	1.32E-14	3.2E-13	1.76E-14	3.50744E-13	1.976E-06	1.3835E-08	2.69E-09	4.3154E-14	4.66063E-14	2.65102E-14	9.54366E-15
377	571510.6	4178359	0.55, 41783	0.9166	0.79605	82.11168	53.90312	14.64829	10.35284	1.3783E-10	7.52E-13	1.39E-10	1.23E-08	5.09E-11	1.24E-08	2.2E-09	1.38E-11	2.22E-09	4.28E-14	1.29E-13	7.47E-14	1.09E-14	2.63E-13	1.45E-14	2.88842E-13	1.771E-06	1.2398E-08	2.22E-09	3.55378E-14	3.83808E-14	2.18315E-14	7.85932E-15
378	571550.6	4178359	0.55, 41783	0.76622	0.67498	72.9064	50.52239	12.13868	9.07968	1.15217E-10	6.38E-13	1.16E-10	1.1E-08	4.77E-11	1.1E-08	1.83E-09	1.15E-11	1.84E-09	3.58E-14	1.08E-13	6.25E-14	9.12E-15	2.2E-13	1.21E-14	2.41473E-13	1.573E-06	1.1011E-08	1.84E-09	2.97097E-14	3.20865E-14	1.82511E-14	6.57041E-15
379	571590.6	4178359	0.55, 41783	0.64386	0.57575	65.94968	47.48497	10.99161	8.00686	9.68179E-11	5.44E-13	9.74E-11	9.92E-09	4.49E-11	9.96E-09	1.65E-09	1.04E-11	1.66E-09	3E-14	9.07E-14	5.25E-14	7.66E-15	1.85E-13	1.02E-14	2.02928E-13	1.423E-06	9.9618E-09	1.66E-09	2.49673E-14	2.69647E-14	1.53378E-14	5.52162E-15
380	570310.6	4178399	0.55, 41783	0.11287	0.08031	71.34246	27.87564	11.89041	3.82503	1.69724E-11	7.59E-14	1.7E-11	1.07E-08	2.63E-11	1.08E-08	1.79E-09	1.12E-11	1.8E-09	5.26E-15	1.59E-14	9.2E-15	1.34E-15	3.24E-14	1.79E-15	3.55331E-14	1.536E-06	1.0754E-08	1.8E-09	4.37183E-15	4.72158E-15	2.68569E-15	9.66847E-16
381	570350.6	4178399	0.55, 41783	0.12665	0.09175	75.96419	29.57043	12.46202	4.12173	1.90445E-11	8.67E-14	1.91E-11	1.14E-08	2.79E-11	1.15E-08	1.87E-09	1.18E-11	1.89E-09	5.9E-15	1.78E-14	1.03E-14	1.51E-15	3.64E-14	2.01E-15	3.98744E-14	1.636E-06	1.1451E-08	1.89E-09	4.90597E-15	5.29845E-15	3.01382E-15	1.08497E-15
382	570390.6	4178399	0.55, 41783	0.1425	0.10434	83.29233	31.439	13.04897	4.44958	2.14279E-11	9.86E-14	2.15E-11	1.25E-08	2.97E-11	1.26E-08	1.96E-09	1.23E-11	1.97E-09	6.64E-15	2.01E-14	1.16E-14	1.69E-15	4.09E-14	2.26E-15	4.48668E-14	1.793E-06	1.2554E-08	1.97E-09	5.52021E-15	5.96183E-15	3.39116E-15	1.22082E-15
383	570430.6	4178399	0.55, 41783	0.16211	0.12032	91.32735	33.521	14.59534	4.81492	2.43766E-11	1.14E-13	2.45E-11	1.37E-08	3.17E-11	1.38E-08	2.19E-09	1.38E-11	2.21E-09	7.56E-15	2.28E-14	1.32E-14	1.93E-15	4.65E-14	2.57E-15	5.10443E-14	1.966E-06	1.3765E-08	2.21E-09	6.28026E-15	6.78268E-15	3.85807E-15	1.3889E-15
384	570470.6	4178399	0.55, 41783	0.18668	0.14051	100.43451	35.89015	16.57018	5.22899	2.80713E-11	1.33E-13	2.82E-11	1.51E-08	3.39E-11	1.51E-08	2.49E-09	1.57E-11	2.51E-09	8.7E-15	2.63E-14	1.52E-14	2.22E-15	5.36E-14	2.96E-15	5.87847E-14	2.162E-06	1.5136E-08	2.51E-09	7.2326E-15	7.8112E-15	4.4431E-15	1.59952E-15
385	570510.6	4178399	0.55, 41783	0.21834	0.16684	112.76596	38.62084	18.79433	5.70408	3.2832E-11	1.58E-13	3.3E-11	1.7E-08	3.65E-11	1.7E-08	2.83E-09	1.78E-11	2.84E-09	1.02E-14	3.07E-14	1.78E-14	2.6E-15	6.27E-14	3.46E-15	6.87592E-14	2.428E-06	1.6993E-08	2.84E-09	8.45981E-15	9.1366E-15	5.197E-15	1.87092E-15
386	570550.6	4178399	0.55, 41783	0.26039	0.20212	127.75395	41.82578	21.29232	6.25899	3.91551E-11	1.91E-13	3.93E-11	1.92E-08	3.95E-11	1.93E-08	3.2E-09	2.01E-11	3.22E-09	1.21E-14	3.67E-14	2.12E-14	3.1E-15	7.48E-14	4.13E-15	8.20077E-14	2.75E-06	1.925E-08	3.22E-09	1.00898E-14	1.0897E-14	6.19836E-15	2.23141E-15
387	570590.6	4178399	0.55, 41783	0.3185	0.25095	144.10526	45.67081	24.01754	7.17597	4.78932E-11	2.37E-13	4.81E-11	2.17E-08	4.32E-11	2.17E-08	3.61E-09	2.27E-11	3.63E-09	1.49E-14	4.48E-14	2.6E-14	3.79E-15	9.15E-14	5.05E-15	1.00316E-13	3.102E-06	2.1712E-08	3.63E-09	1.23425E-14	1.33299E-14	7.58217E-15	2.72958E-15
388	570630.6	4178399	0.55, 41783	0.40291	0.32135	177.65061	50.39519	27.05917	8.74903	6.0586E-11	3.04E-13	6.09E-11	2.67E-08	4.76E-11	2.68E-08	4.07E-09	2.56E-11	4.09E-09	1.88E-14	5.67E-14	3.28E-14	4.79E-15	1.16E-13	6.38E-15	1.2691E-13	3.823E-06	2.6761E-08	4.09E-09	1.56144E-14	1.68636E-14	9.5922E-15	3.45319E-15
389	570670.6	4178399	0.55, 41783	0.53348	0.4284	224.79663	56.41372	32.60934	10.76331	8.02199E-11	4.05E-13	8.06E-11	3.38E-08	5.33E-11	3.39E-08	4.9E-09	3.08E-11	4.93E-09	2.49E-14	7.51E-14	4.35E-14	6.34E-15	1.53E-13	8.45E-15	1.68043E-13	4.837E-06	3.3856E-08	4.93E-09	2.06753E-14	2.23293E-14	1.27012E-14	4.57242E-15
390	570710.6	4178399	0.55, 41783	0.75271	0.60288	297.96202	70.92072	41.13122	14.0152	1.13186E-10	5.70E-13	1.14E-10	4.48E-08	6.70E-11	4.49E-08	6.18E-09	3.89E-11	6.22E-09	3.51E-14	1.06E-13	6.14E-14	8.95E-15	2.16E-13	1.19E-14	2.37096E-13	6.41E-06	4.4872E-08	6.22E-09	2.91713E-14	3.1505E-14	1.79204E-14	6.45134E-15
391	570750.6	4178399	0.55, 41783	1.15447	0.90762	416.42427	90.04322	52.05303	22.1169	1.73599E-10	8.58E-13	1.74E-10	6.26E-08	8.51E-11	6.27E-08	7.83E-09	4.92E-11	7.88E-09	5.38E-14	1.63E-13	9.41E-14	1.37E-14	3.32E-13	1.83E-14	3.63613E-13	8.958E-06	6.2703E-08	7.88E-09	4.47373E-14	4.83163E-14	2.74829E-14	9.89383E-15
392	570790.6	4178399	0.55, 41783	1.70092	1.35462	632.44551	121.09647	79.05569	31.00919	2.55769E-10	1.28E-12	2.57E-10	9.51E-08	1.14E-10	9.52E-08	1.19E-08	7.47E-11	1.2E-08	7.93E-14	2.39E-13	1.39E-13	2.02E-14	4.89E-13	2.7E-14	5.35758E-13	1.36E-05	9.5216E-08	1.2E-08	6.59173E-14	7.11906E-14	4.0494E-14	1.45779E-14
393	570830.6	4178399	0.55, 41783	3.46088	2.976	854.46592	185.76652	157.19416	64.23703	5.20416E-10	2.81E-12	5.23E-10	1.28E-07	1.76E-10	1.29E-07	2.36E-08	1.49E-10	2.38E-08	1.61E-13	4.88E-13	2.82E-13	4.12E-14	9.95E-13	5.49E-14	1.09055E-12	1.838E-05	1.2866E-07	2.38E-08	1.34176E-13	1.4491E-13	8.24264E-14	2.96735E-14
394	571110.6	4178399	0.55, 41783	4.7766	17.70794	386.44752	237.89657	91.74551	117.26543	7.18262E-10	1.67E-11	7.35E-10	5.81E-08	2.25E-10	5.83E-08	1.38E-08	8.67E-11	1.39E-08	2.27E-13	6.85E-13	3.96E-13	5.78E-14	1.4E-12	7.71E-14	1.53192E-12	8.334E-06	5.8335E-08	1.39E-08	1.88481E-13	2.03559E-13	1.15787E-13	4.16833E-14
395	571150.6	4178399	0.55, 41783	4.75682	9.04164	493.27775	194.83019	91.47407	80.27894	7.15288E-10	8.54E-12	7.24E-10	7.42E-08	1.84E-10	7.44E-08	1.38E-08	8.64E-11	1.38E-08	2.23E-13	6.74E-13	3.9E-13	5.7E-14	1.38E-12	7.59E-14	1.50866E-12	1.062E-05	7.4359E-08	1.38E-08	1.85618E-13	2.00468E-13	1.14028E-13	4.10502E-14
396	571190.6	4178399	0.55, 41783	4.13591	5.67532	541.83424	159.29594	82.25115	55.55038	6.21921E-10	5.36E-12	6.27E-10	8.15E-08	1.51E-10	8.16E-08	1.24E-08	7.77E-11	1.24E-08	1.94E-13	5.84E-13	3.38E-13	4.94E-14	1.19E-12	6.58E-14	1.30742E-12	1.166E-05	8.1627E-08	1.24E-08	1.6086E-13	1.73728E-13	9.88187E-14	3.55747E-14
397	571230.6	4178399	0.55, 41783	3.34043	3.91116	419.25179	113.41297	67.92735	42.50701	5.02304E-10	3.70E-12	5.06E-10	6.3E-08	1.07E-10	6.32E-08	1.02E-08	6.42E-11	1.03E-08	1.56E-13	4.71E-13	2.73E-13	3.98E-14	9.62E-13	5.31E-14	1.05464E-12	9.021E-06	6.315E-08	1.03E-08	1.29758E-13	1.40138E-13	7.97123E-14	2.86964E-14
398	571270.6	4178399	0.55, 41783	2.69096	2.84934	276.99568	96.24025	46.4546	32.10306	4.04642E-10	2.69E-12	4.07E-10	4.17E-08	9.09E-11	4.17E-08	6.99E-09	4.39E-11	7.03E-09	1.26E-13	3.8E-13	2.2E-13	3.21E-14	7.74E-13	4.27E-14	8.48993E-13	5.963E-06	4.1743E-08	7.03E-09	1.04456E-13	1.12813E-13	6.41692E-14	2.31009E-14
399	571310.6	4178399	0.55, 41783	2.15304	2.16763	240.01182	84.08056	39.08125	24.00367	3.23755E-10	2.05E-12	3.26E-10	3.61E-08	7.94E-11	3.62E-08	5.88E-09	3.69E-11	5.91E-09	1.01E-13	3.04E-13	1.76E-13	2.56E-14	6.19E-13	3.42E-14	6.7906E-13	5.167E-06	3.617E-08	5.91E-09	8.35484E-14	9.02323E-14	5.13251E-14	1.84771E-14
400	571350.6	4178399	0.55, 41783	1.74135	1.70512	224.12525	73.73672	31.06226	18.34101	2.61849E-10	1.61E-12	2.63E-10	3.37E-08	6.97E-11	3.38E-08	4.67E-09	2.94E-11	4.7E-09	8.13E-14	2.45E-13	1.42E-13	2.07E-14	5.01E-13	2.76E-14	5.4912E-13	4.825E-06	3.3772E-08	4.7E-09	6.75612E-14	7.29661E-14	4.15039E-14	1.49414E-14
401	571390.6	4178399	0.55, 41783	1.43215	1.37481	207.21833	64.01827	26.21992	15.02288	2.15354E-10	1.30E-12	2.17E-10	3.12E-08	6.05E-11	3.12E-08	3.94E-09	2.48E-11	3.97E-09	6.69E-14	2.02E-13	1.17E-13	1.7E-14	4.12E-13	2.27E-14	4.51562E-13	4.46E-06	3.122E-08	3.97E-09	5.55581E-14	6.00028E-14	3.41303E-14	1.22869E-14
402	571430.6	4178399	0.55, 41783	1.19016	1.12906	179.9524	59.14274	22.49405	12.88734	1.78966E-10	1.07E-12	1.8E-10	2.71E-08	5.59E-11	2.71E-08	3.38E-09	2.13E-11	3.4E-09	5.56E-14	1.68E-13	9.71E-14	1.42E-14	3.42E-13	1.89E-14	3.75235E-13	3.874E-06	2.7116E-08	3.4E-09	4.61672E-14	4.98606E-14	2.83613E-14	1.02101E-14
403	571470.6	4178399	0.55, 41783	0.9966	0.93995	146.8642	55.47011	18.35802	11.23121	1.4986E-10	8.88E-13	1.51E-10	2.21E-08	5.24E-11	2.21E-08	2.76E-09	1.73E-11	2.78E-09	4.65E-14	1.4E-13	8.13E-14	1.19E-14	2.87E-13	1.58E-14	3.14199E-13	3.162E-06	2.2137E-08	2.78E-09	3.86576E-14	4.17502E-14	2.3748E-14	8.54927E-15
404	571510.6	4178399	0.55, 41783	0.8441	0.79417	113.63796	52.27286	14.20474	9.85599	1.26928E-10	7.50E-13	1.28E-10	1.71E-08	4.94E-11	1.71E-08	2.14E-09	1.34E-11	2.15E-09	3.94E-14	1.19E-13	6.89E-14	1E-14	2.43E-13	1.34E-14	2.66116E-13	2.448E-06	1.7137E-08	2.15E-09	3.27417E-14	3.5361E-14	2.01138E-14	7.24095E-15
405	571550.6	4178399	0.55, 41783	0.71988	0.67749	84.04695	49.45688	12.59546	8.65245	1.08249E-10	6.40E-13	1.09E-10	1.26E-08	4.67E-11	1.27E-08	1.89E-09	1.19E-11	1.91E-09	3.36E-14	1.01E-13	5.87E-14	8.57E-15	2.07E-13	1.14E-14	2.26954E-13	1.812E-06	1.2685E-08	1.91E-09	2.79234E-14	3.01573E-14	1.71538E-14	6.17536E-15
406	571590.6	4178399	0.55, 41783	0.61846	0.58359	61.25343	46.95039	11.31778	7.65227	9.29985E-11	5.51E-13	9.35E-11	9.21E-09	4.44E-11	9.26E-09	1.7E-09	1.07E-11	1.71E-09	2.89E-14	8.72E-14	5.05E-14	7.36E-15	1.78E-13	9.81E-15	1.94983E-13	1.322E-06	9.2551E-09	1.71E-09	2.39898E-14	2.5909E-14	1.47373E-14	5.30543E-15
407	570310.6	4178439	0.55, 41784	0.11265	0.08111	78.47962	27.91467	13.07994	3.48933	1.69393E-11	7.66E-14	1.7E-11	1.18E-08	2.64E-11	1.18E-08	1.97E-09	1.24E-11	1.98E-09	5.25E-15	1.59E-14	9.18E-15	1.34E-15	3.23E-14	1.78E-15	3.54657E-14	1.69E-06	1.1827E-08	1.98E-09	4.36354E-15	4.71262E-15	2.68059E-15	9.65014E-16
408	570350.6	4178439	0.55, 41784	0.12585	0.09139	84.54471	29.62734	14.09078	3.70342	1.89242E-11	8.64E-14	1.9E-11	1.27E-08	2.80E-11	1.27E-08	2.12E-09	1.33E-11	2.13E-09	5.87E-15	1.77E-14	1.03E-14	1.5E-15	3.61E-14	1.99E-15	3.9623E-14	1.82E-06	1.2741E-08	2.13E-09	4.87503E-15	5.26504E-15	2.99481E-15	1.07813E-15
409	570390.6	4178439	0.55, 41784	0.14252	0.10489	91.50908	31.67143	15.25151	4.06451	2.14309E-11	9.91E-14	2.15E-11	1.38E-08	2.99E-11	1.38E-08	2.29E-09	1.44E-11	2.31E-09	6.64E-15	2.01E-14	1.16E-14	1.69E-15	4.09E-14	2.26E-15	4.48742E-14	1.97E-06	1.379E-08	2.31E-09	5.52112E-15	5.96281E-15	3.39171E-15	1.22102E-15
410	570430.6	4178439	0.55, 41784	0.16313	0.12204	99.54775	33.93845	16.59129	4.47421	2.453E-11	1.15E-13	2.46E-11	1.5E-08	3.21E-11	1.5E-08	2.49E-09	1.57E-11	2.51E-09	7.61E-15	2.3E-14	1.33E-14	1.94E-15	4.68E-14	2.58E-15	5.13674E-14	2.143E-06	1.5001E-08	2.51E-09	6.32001E-15	6.82561E-15	3.88249E-15	1.39769E-15
411	570470.6	4178439	0.55, 41784	0.18858	0.14267	108.92524	36.54882	18.15421	4.93599	2.8357E-11	1.35E-13	2.85E-11	1.64E-08	3.45E-11	1.64E-08	2.73E-09	1.72E-11	2.75E-09	8.79E-15	2.65E-14	1.54E-14	2.24E-15	5.42E-14	2.99E-15	5.93844E-14	2.345E-06	1.6414E-08	2.75E-09	7.30639E-15	7.8909E-15	4.48843E-15	1.61584E-15
412	570510.6	4178439	0.55, 41784	0.22167	0.16966	120.34611	39.98702	20.05769	5.68986	3.33327E-11	1.60E-13	3.35E-11	1.81E-08	3.78E-11	1.81E-08	3.02E-09	1.90E-11	3.04E-09	1.03E-14	3.12E-14	1.81E-14	2.64E-15	6.37E-14	3.51E-15	6.98084E-14	2.591E-06	1.8134E-08	3.04E-09	8.58891E-15	9.27602E-15	5.2763E-15	1.89947E-15
413	570550.6	4178439	0.55, 41784	0.2658	0.20594	134.27176	44.24032	22.37863	6.83821	3.99686E-11	1.95E-13	4.02E-11	2.02E-08	4.18E-11	2.02E-08	3.37E-09	2.11E-11	3.39E-09	1.24E-14	3.74E-14	2.17E-14	3.16E-15	7.63E-14	4.21E-15	8.37107E-14	2.89E-06	2.0232E-08	3.39E-09	1.02994E-14	1.11233E-14	6.32708E-15	2.27775E-15
414	570590.6	4178439	0.55, 41784	0.3272	0.25654	151.91315	49.32778	25.31886	8.30482	4.92014E-11	2.42E-13	4.94E-11	2.28E-08	4.66E-11	2.29E-08	3.81E-09	2.39E-11	3.83E-09	1.53E-14	4.61E-14	2.67E-14	3.89E-15	9.4E-14	5.18E-15	1.03054E-13	3.27E-06	2.289E-08	3.83E-09	1.26793E-14	1.36936E-14	7.78909E-15	2.80407E-15
415	570630.6	4178439	0.55, 41784	0.41735	0.33056	175.42083	55.6235	29.2368	10.21264	6.27574E-11	3.12E-13	6.31E-11	2.64E-08	5.26E-11	2.64E-08	4.4E-09	2.76E-11	4.42E-09	1.95E-14	5.88E-14	3.4E-14	4.96E-15	1.2E-13	6.61E-15	1.31454E-13	3.776E-06	2.6431E-08	4.42E-09	1.61735E-14	1.74674E-14	9.93564E-15	3.57683E-15
416	570670.6	4178439	0.55, 41784	0.56024	0.44648	208.37177	63.80907	34.72863	12.75328	8.42439E-11	4.22E-13	8.47E-11	3.13E-08	6.03E-11	3.14E-08	5.22E-09	3.28E-11	5.25E-09	2.61E-14	7.89E-14	4.57E-14	6.66E-15	1.61E-13	8.88E-15	1.76466E-13	4.485E-06	3.1393E-08	5.25E-09	2.17115E-14	2.34485E-14	1.33378E-14	4.80159E-15
417	570710.6	4178439	0.55, 41784	0.81434	0.64609	258.28683	75.2647	43.04781	16.40047	1.22453E-10	6.11E-13	1.23E-10	3.88E-08	7.11E-11	3.89E-08	6.47E-09	4.07E-11	6.51E-09	3.8E-14	1.15E-13	6.64E-14	9.68E-15	2.34E-13	1.29E-14	2.56497E-13	5.559E-06	3.891E-08	6.51E-09	3.15582E-14	3.40829E-14	1.93867E-14	6.97923E-15
418	570750.6	4178439	0.55, 41784	1.35572	1.03003	343.9155	93.10334	57.16949	22.25077	2.03861E-10	9.73E-13	2.05E-10	5.17E-08	8.80E-11	5.18E-08	8.6E-09	5.40E-11	8.65E-09	6.32E-14	1.91E-13	1.1E-13	1.61E-14	3.89E-13	2.15E-14	4.26929E-13	7.4E-06	5.1803E-08	8.65E-09	5.25274E-14	5.67296E-14	3.22684E-14	1.16166E-14
419	570790.6	4178439	0.55, 41784	3.18264	2.0617	571.47263	129.70009	95.66015	38.79176	4.78577E-10	1.95E-12	4.81E-10	8.59E-08	1.23E-10	8.61E-08	1.44E-08	9.04E-11	1.45E-08	1.48E-13	4.48E-13	2.59E-13	3.78E-14	9.13E-13	5.04E-14	1.00154E-12	1.229E-05	8.6055E-08	1.45E-08	1.23225E-13	1.33083E-13	7.56991E-14	2.72517E-14
420	571070.6	4178439	0.55, 41784	4.74443	12.25677	251.71558	235.3671	48.15254	87.29167	7.13425E-10	1.16E-11	7.25E-10	3.79E-08	2.22E-10	3.81E-08	7.24E-09	4.55E-11	7.29E-09	2.24E-13	6.76E-13	3.91E-13	5.7E-14	1.38E-12	7.6E-14	1.5111E-12	5.439E-06	3.8073E-08	7.29E-09	1.85919E-13	2.00793E-13	1.14213E-13	4.11168E-14
421	571110.6	4178439	0.55, 41784	3.89854	10.39914	292.37938	213.76959	54.55193	96.69541	5.86227E-10	9.83E-12	5.96E-10	4.4E-08	2.02E-10	4.42E-08	8.2E-09	5.15E-11	8.25E-09	1.84E-13	5.55E-13	3.21E-13	4.69E-14	1.13E-12	6.25E-14	1.24233E-12	6.31E-06	4.4167E-08	8.25E-09	1.52851E-13	1.65079E-13	9.38989E-14	3.38036E-14
422	571150.6	4178439	0.55, 41784	3.24566	6.14355	299.25996	151.74182	53.26943	58.88405	4.88053E-10	5.81E-12	4.94E-10	4.5E-08	1.43E-10	4.51E-08	8.01E-09	5.03E-11	8.06E-09	1.52E-13	4.6E-13	2.66E-13	3.89E-14	9.39E-13	5.18E-14	1.02933E-12	6.449E-06	4.5143E-08	8.06E-09	1.26644E-13	1.36776E-13	7.77996E-14	2.80079E-14
423	571190.6	4178439	0.55, 41784	2.68652	4.20662	319.22111	114.25705	45.60302	42.68486	4.03975E-10	3.97E-12	4.08E-10	4.8E-08	1.08E-10	4.81E-08	6.86E-09	4.31E-11	6.9E-09	1.26E-13	3.8E-13	2.2E-13	3.21E-14	7.75E-13	4.28E-14	8.50275E-13	6.873E-06	4.811E-08	6.9E-09	1.04614E-13	1.12983E-13	6.42661E-14	2.31358E-14
424	571230.6	4178439	0.55, 41784	2.2851	3.10379	355.31137	114.374	48.25343	33.87475	3.43613E-10	2.93E-12	3.47E-10	5.34E-08	1.08E-10	5.35E-08	7.26E-09	4.56E-11	7.3E-09	1.07E-13	3.23E-13	1.87E-13	2.73E-14	6.59E-13	3.63E-14	7.22293E-13	7.648E-06	5.3537E-08	7.3E-09	8.88676E-14	9.5977E-14	5.45928E-14	1.96534E-14
425	571270.6	4178439	0.55, 41784	1.91581	2.39067	281.61312	92.35093	43.32371	28.45229	2.88082E-10	2.26E-12	2.9E-10	4.23E-08	8.73E-11	4.24E-08	6.51E-09	4.09E-11	6.56E-09	8.96E-14	2.71E-13	1.57E-13	2.28E-14	5.52E-13	3.04E-14	6.05148E-13	6.062E-06	4.2434E-08	6.56E-09	7.44547E-14	8.0411E-14	4.57387E-14	1.64659E-14
426	571310.6	4178439	0.55, 41784	1.62017	1.88774	249.98498	75.512	38.72011	23.46838	2.43627E-10	1.78E-12	2.45E-10	3.76E-08	7.14E-11	3.77E-08	5.82E-09	3.66E-11	5.86E-09	7.57E-14	2.29E-13	1.32E-13	1.93E-14	4.66E-13	2.57E-14	5.115E-13	5.38E-06	3.7662E-08	5.86E-09	6.29326E-14	6.79673E-14	3.86605E-14	1.39178E-14
427	571350.6	4178439	0.55, 41784	1.36969	1.52492	207.90528	71.02603	31.99215	18.96422	2.05962E-10	1.44E-12	2.07E-10	3.13E-08	6.71E-11	3.13E-08	4.81E-09	3.02E-11	4.84E-09	6.4E-14	1.93E-13	1.12E-13	1.63E-14	3.94E-13	2.17E-14	4.32282E-13	4.476E-06	3.133E-08	4.84E-09	5.3186E-14	5.74409E-14	3.2673E-14	1.17623E-14
428	571390.6	4178439	0.55, 41784	1.16602	1.25794	137.82846	66.02867	21.56098	15.29437	1.75336E-10	1.19E-12	1.77E-10	2.07E-08	6.24E-11	2.08E-08	3.24E-09	2.04E-11	3.26E-09	5.45E-14	1.64E-13	9.52E-14	1.39E-14	3.36E-13	1.85E-14	3.67923E-13	2.97E-06	2.0788E-08	3.26E-09	4.52676E-14	4.8889E-14	2.78086E-14	1.00111E-14
429	571430.6	4178439	0.55, 41784	1.00225	1.05165	150.81052	60.59063	19.07395	12.70811	1.50709E-10	9.94E-13	1.52E-10	2.27E-08	5.73E-11	2.27E-08	2.87E-09	1.80E-11	2.89E-09	4.68E-14	1.41E-13	8.18E-14	1.19E-14	2.88E-13	1.59E-14	3.16189E-13	3.248E-06	2.2735E-08	2.89E-09	3.89025E-14	4.20147E-14	2.38984E-14	8.60344E-15
430	571470.6	4178439	0.55, 41784	0.86528	0.88825	153.64691	54.59461	19.20586	10.6849	1.30113E-10	8.39E-13	1.31E-10	2.31E-08	5.16E-11	2.32E-08	2.89E-09	1.81E-11	2.91E-09	4.04E-14	1.22E-13	7.06E-14	1.03E-14	2.49E-13	1.37E-14	2.72939E-13	3.308E-06	2.3156E-08	2.91E-09	3.35812E-14	3.62677E-14	2.06295E-14	7.42661E-15
431	571510.6	4178439	0.55, 41784	0.75493	0.76151	144.52703	49.13224	18.06588	9.74189	1.1352E-10	7.20E-13	1.14E-10	2.17E-08	4.64E-11	2.18E-08	2.72E-09	1.71E-11	2.73E-09	3.53E-14	1.06E-13	6.16E-14	8.99E-15	2.17E-13	1.2E-14	2.38105E-13	3.111E-06	2.1779E-08	2.73E-09	2.92953E-14	3.16389E-14	1.79966E-14	6.47877E-15
432	571550.6	4178439	0.55, 41784	0.65913	0.65716	127.58758	46.59598	15.94845	8.8858	9.91141E-11	6.21E-13	9.97E-11	1.92E-08	4.40E-11	1.92E-08	2.4E-09	1.51E-11	2.41E-09	3.08E-14	9.29E-14	5.38E-14	7.85E-15	1.9E-13	1.05E-14	2.07874E-13	2.747E-06	1.923E-08	2.41E-09	2.55759E-14	2.7622E-14	1.57117E-14	5.65621E-15
433	571590.6	4178439	0.55, 41784	0.57626	0.57045	106.82976	44.35137	13.35372	8.08009	8.66528E-11	5.39E-13	8.72E-11	1.61E-08	4.19E-11	1.61E-08	2.01E-09	1.26E-11	2.02E-09	2.69E-14	8.12E-14	4.7E-14	6.86E-15	1.66E-13	9.14E-15	1.81731E-13	2.301E-06	1.6106E-08	2.02E-09	2.23593E-14	2.41481E-14	1.37357E-14	4.94485E-15
434	570310.6	4178479	0.55, 41784	0.1113	0.08183	74.58423	29.47815	11.80727	4.00274	1.67363E-11	7.73E-14	1.68E-11	1.12E-08	2.79E-11	1.12E-08	1.78E-09	1.12E-11	1.79E-09	5.19E-15	1.57E-14	9.07E-15	1.32E-15	3.2E-14	1.76E-15	3.5044E-14	1.606E-06	1.1243E-08	1.79E-09	4.31166E-15	4.65659E-15	2.64872E-15	9.5354E-16
435	570350.6	4178479	0.55, 41784	0.12561	0.09388	80.0812	31.76761	12.83362	4.33491	1.88881E-11	8.87E-14	1.9E-11	1.2E-08	3.00E-11	1.21E-08	1.93E-09	1.21E-11	1.94E-09	5.86E-15	1.77E-14	1.02E-14	1.49E-15	3.61E-14	1.99E-15	3.95527E-14	1.725E-06	1.2072E-08	1.94E-09	4.86638E-15	5.25569E-15	2.9895E-15	1.07622E-15
436	570390.6	4178479	0.55, 41784	0.14146	0.10678	86.10528	34.01158	14.01299	4.67053	2.12715E-11	1.01E-13	2.14E-11	1.29E-08	3.21E-11	1.3E-08	2.11E-09	1.32E-11	2.12E-09	6.6E-15	1.99E-14	1.15E-14	1.68E-15	4.06E-14	2.24E-15	4.45457E-14	1.854E-06	1.298E-08	2.12E-09	5.4807E-15	5.91916E-15	3.36688E-15	1.21208E-15
437	570430.6	4178479	0.55, 41784	0.16075	0.12266	93.00088	36.36689	15.32204	5.02469	2.41721E-11	1.16E-13	2.43E-11	1.4E-08	3.44E-11	1.4E-08	2.3E-09	1.45E-11	2.32E-09	7.49E-15	2.26E-14	1.31E-14	1.91E-15	4.62E-14	2.55E-15	5.06227E-14	2.003E-06	1.4019E-08	2.32E-09	6.22839E-15	6.72666E-15	3.8262E-15	1.37743E-15
438	570470.6	4178479	0.55, 41784	0.18644	0.14379	101.96042	39.51551	16.93263	5.48718	2.80352E-11	1.36E-13	2.82E-11	1.53E-08	3.73E-11	1.54E-08	2.55E-09	1.60E-11	2.56E-09	8.69E-15	2.62E-14	1.52E-14	2.22E-15	5.35E-14	2.95E-15	5.87159E-14	2.196E-06	1.5369E-08	2.56E-09	7.22414E-15	7.80207E-15	4.4379E-15	1.59765E-15
439	570510.6	4178479	0.55, 41784	0.22079	0.17209	113.44919	43.50567	18.9082	6.17272	3.32004E-11	1.63E-13	3.34E-11	1.71E-08	4.11E-11	1.71E-08	2.84E-09	1.79E-11	2.86E-09	1.03E-14	3.11E-14	1.8E-14	2.63E-15	6.34E-14	3.5E-15	6.95374E-14	2.443E-06	1.7101E-08	2.86E-09	8.55556E-15	9.24001E-15	5.25582E-15	1.8921E-15
440	570550.6	4178479	0.55, 41784	0.2667	0.21004	127.7059	48.20733	21.28432	7.34053	4.0104E-11	1.98E-13	4.03E-11	1.92E-08	4.56E-11	1.92E-08	3.2E-09	2.01E-11	3.22E-09	1.24E-14	3.76E-14	2.17E-14	3.17E-15	7.66E-14	4.23E-15	8.40009E-14	2.75E-06	1.9249E-08	3.22E-09	1.03351E-14	1.11619E-14	6.34901E-15	2.28564E-15
441	570590.6	4178479	0.55, 41784	0.32931	0.26248	144.67878	53.44745	24.11313	8.81975	4.95187E-11	2.48E-13	4.98E-11	2.18E-08	5.05E-11	2.18E-08	3.63E-09	2.28E-11	3.65E-09	1.54E-14	4.64E-14	2.68E-14	3.92E-15	9.46E-14	5.22E-15	1.03727E-13	3.115E-06	2.1806E-08	3.65E-09	1.27621E-14	1.37831E-14	7.83996E-15	2.82239E-15
442	570630.6	4178479	0.55, 41784	0.42133	0.33962	165.95931	60.05375	27.65989	10.77683	6.33558E-11	3.21E-13	6.37E-11	2.5E-08	5.67E-11	2.5E-08	4.16E-09	2.61E-11	4.19E-09	1.96E-14	5.93E-14	3.43E-14	5.01E-15	1.21E-13	6.68E-15	1.32719E-13	3.573E-06	2.5012E-08	4.19E-09	1.63292E-14	1.76355E-14	1.00313E-14	3.61126E-15
443	570670.6	4178479	0.55, 41784	0.56746	0.46145	193.36004	69.0612	32.22667	13.5092	8.53295E-11	4.36E-13	8.58E-11	2.91E-08	6.53E-11	2.91E-08	4.85E-09	3.05E-11	4.88E-09	2.65E-14	7.99E-14	4.63E-14	6.75E-15	1.63E-13	8.99E-15	1.78758E-13	4.163E-06	2.9141E-08	4.88E-09	2.19936E-14	2.37531E-14	1.3511E-14	4.86397E-15
444	570710.6	4178479	0.55, 41784	0.83023	0.67528	236.53606	81.84268	39.07222	17.68943	1.24843E-10	6.38E-13	1.25E-10	3.56E-08	7.73E-11	3.56E-08	5.88E-09	3.69E-11	5.91E-09	3.87E-14	1.17E-13	6.77E-14	9.87E-15	2.39E-13	1.32E-14	2.61535E-13	5.092E-06	3.5646E-08	5.91E-09	3.2178E-14	3.47523E-14	1.97675E-14	7.1163E-15
445	570750.6	4178479	0.55, 41784	1.42426	1.12918	342.03514	102.90165	49.67165	25.1054	2.14167E-10	1.07E-12	2.15E-10	5.14E-08	9.72E-11	5.15E-08	7.47E-09	4.69E-11	7.52E-09	6.64E-14	2.01E-13	1.16E-13	1.69E-14	4.09E-13	2.26E-14	4.48605E-13	7.361E-06	5.1529E-08	7.52E-09	5.51944E-14	5.96099E-14	3.39068E-14	1.22064E-14
446	570790.6	4178479	0.55, 41784	3.63047	2.75084	596.75244	187.47347	107.7468	51.23422	5.45918E-10	2.60E-12	5.49E-10	8.97E-08	1.77E-10	8.99E-08	1.62E-08	1.02E-10	1.63E-08	1.69E-13	5.11E-13	2.96E-13	4.32E-14	1.04E-12	5.75E-14	1.14325E-12	1.284E-05	8.9911E-08	1.63E-08	1.40661E-13	1.51914E-13	8.64102E-14	3.11077E-14
447	571030.6	4178479	0.55, 41784	9.40071	15.68167	333.68631	267.08575	81.11776	110.69164	1.41359E-09	1.48E-11	1.43E-09	5.02E-08	2.52E-10	5.04E-08	1.22E-08	7.67E-11	1.23E-08	4.41E-13	1.33E-12	7.7E-13	1.12E-13	2.72E-12	1.5E-13	2.97719E-12	7.204E-06	5.0429E-08	1.23E-08	3.663E-13	3.95604E-13	2.25024E-13	8.10086E-14
448	571070.6	4178479	0.55, 41784	5.59712	9.0131	216.22006	204.77885	54.58514	76.29745	8.41645E-10	8.52E-12	8.5E-10	3.25E-08	1.94E-10	3.27E-08	8.21E-09	5.16E-11	8.26E-09	2.62E-13	7.92E-13	4.59E-13	6.69E-14	1.62E-12	8.91E-14	1.77196E-12	4.672E-06	3.2707E-08	8.26E-09	2.18014E-13	2.35455E-13	1.3393E-13	4.82146E-14
449	571110.6	4178479	0.55, 41784	3.86033	5.8724	232.77263	158.88759	40.87392	60.11848	5.80482E-10	5.55E-12	5.86E-10	3.5E-08	1.50E-10	3.52E-08	6.15E-09	3.86E-11	6.18E-09	1.81E-13	5.46E-13	3.16E-13	4.61E-14	1.11E-12	6.14E-14	1.22144E-12	5.022E-06	3.5152E-08	6.18E-09	1.50281E-13	1.62303E-13	9.23199E-14	3.32352E-14
450	571150.6	4178479	0.55, 41784	2.87873	4.17215	243.47288	131.88403	36.94401	47.80365	4.32878E-10	3.94E-12	4.37E-10	3.66E-08	1.25E-10	3.67E-08	5.56E-09	3.49E-11	5.59E-09	1.35E-13	4.07E-13	2.36E-13	3.44E-14	8.3E-13	4.58E-14	9.10448E-13	5.248E-06	3.6736E-08	5.59E-09	1.12017E-13	1.20979E-13	6.88141E-14	2.47731E-14
451	571190.6	4178479	0.55, 41784	2.25924	3.11768	272.99859	103.34976	40.61499	35.56429	3.39724E-10	2.95E-12	3.43E-10	4.11E-08	9.77E-11	4.11E-08	6.11E-09	3.84E-11	6.15E-09	1.06E-13	3.19E-13	1.85E-13	2.7E-14	6.51E-13	3.59E-14	7.14215E-13	5.878E-06	4.1149E-08	6.15E-09	8.78738E-14	9.49037E-14	5.39823E-14	1.94336E-14
452	571230.6	4178479	0.55, 41784	1.86428	2.43731	228.60917	88.43023	34.9281	28.65964	2.80334E-10	2.30E-12	2.83E-10	3.44E-08	8.36E-11	3.45E-08	5.25E-09	3.30E-11	5.29E-09	8.72E-14	2.63E-13	1.52E-13	2.22E-14	5.37E-13	2.96E-14	5.8909E-13	4.923E-06	3.446E-08	5.29E-09	7.24789E-14	7.82772E-14	4.4525E-14	1.6029E-14
453	571270.6	4178479	0.55, 41784	1.58233	1.95726	275.18297	89.4878	39.56066	24.38596	2.37937E-10	1.85E-12	2.4E-10	4.14E-08	8.46E-11	4.15E-08	5.95E-09	3.74E-11	5.99E-09	7.4E-14	2.23E-13	1.29E-13	1.89E-14	4.56E-13	2.51E-14	4.99777E-13	5.923E-06	4.1464E-08	5.99E-09	6.14903E-14	6.64096E-14	3.77745E-14	1.35988E-14
454	571310.6	4178479	0.55, 41784	1.35793	1.6065	222.77943	77.47813	32.82803	21.05024	2.04193E-10	1.52E-12	2.06E-10	3.35E-08	7.32E-11	3.36E-08	4.94E-09	3.10E-11	4.97E-09	6.35E-14	1.92E-13	1.11E-13	1.62E-14	3.91E-13	2.16E-14	4.28757E-13	4.796E-06	3.3573E-08	4.97E-09	5.27523E-14	5.69725E-14	3.24066E-14	1.16664E-14
455	571350.6	4178479	0.55, 41784	1.1642	1.33076	210.30644	64.61424	30.9494	18.13628	1.75062E-10	1.26E-12	1.76E-10	3.16E-08	6.11E-11	3.17E-08	4.65E-09	2.92E-11	4.68E-09	5.44E-14	1.64E-13	9.51E-14	1.39E-14	3.35E-13	1.85E-14	3.67496E-13	4.526E-06	3.1685E-08	4.68E-09	4.52151E-14	4.88323E-14	2.77763E-14	9.99949E-15
456	571390.6	4178479	0.55, 41784	1.001	1.11694	187.8278	60.73144	27.7002	15.35336	1.50521E-10	1.06E-12	1.52E-10	2.82E-08	5.74E-11	2.83E-08	4.17E-09	2.62E-11	4.19E-09	4.68E-14	1.41E-13	8.18E-14	1.19E-14	2.88E-13	1.59E-14	3.15926E-13	4.043E-06	2.8301E-08	4.19E-09	3.88701E-14	4.19797E-14	2.38785E-14	8.59628E-15
457	571430.6	4178479	0.55, 41784	0.8626	0.94616	141.00765	57.76687	20.99683	12.7525	1.2971E-10	8.94E-13	1.31E-10	2.12E-08	5.46E-11	2.13E-08	3.16E-09	1.98E-11	3.18E-09	4.03E-14	1.22E-13	7.04E-14	1.03E-14	2.48E-13	1.37E-14	2.72213E-13	3.037E-06	2.1258E-08	3.18E-09	3.34919E-14	3.61713E-14	2.05746E-14	7.40686E-15
458	571470.6	4178479	0.55, 41784	0.75511	0.81334	85.41876	54.87579	13.60469	11.10539	1.13547E-10	7.69E-13	1.14E-10	1.28E-08	5.19E-11	1.29E-08	2.05E-09	1.29E-11	2.06E-09	3.53E-14	1.07E-13	6.17E-14	9E-15	2.17E-13	1.2E-14	2.38263E-13	1.842E-06	1.2896E-08	2.06E-09	2.93148E-14	3.166E-14	1.80086E-14	6.48308E-15
459	571510.6	4178479	0.55, 41784	0.666	0.70453	104.54177	51.61661	13.06772	9.4895	1.00147E-10	6.66E-13	1.01E-10	1.57E-08	4.88E-11	1.58E-08	1.97E-09	1.23E-11	1.98E-09	3.11E-14	9.39E-14	5.44E-14	7.93E-15	1.92E-13	1.06E-14	2.10121E-13	2.253E-06	1.5769E-08	1.98E-09	2.58523E-14	2.79205E-14	1.58815E-14	5.71733E-15
460	571550.6	4178479	0.55, 41784	0.58993	0.61436	114.23468	47.78612	14.27934	8.47335	8.87084E-11	5.81E-13	8.93E-11	1.72E-08	4.52E-11	1.72E-08	2.15E-09	1.35E-11	2.16E-09	2.76E-14	8.32E-14	4.82E-14	7.03E-15	1.7E-13	9.36E-15	1.86102E-13	2.46E-06	1.7223E-08	2.16E-09	2.28971E-14	2.47289E-14	1.40661E-14	5.06378E-15
461	571590.6	4178479	0.55, 41784	0.5248	0.5396	114.71837	43.31659	14.3398	7.89274	7.89147E-11	5.10E-13	7.94E-11	1.73E-08	4.09E-11	1.73E-08	2.16E-09	1.36E-11	2.17E-09	2.45E-14	7.4E-14	4.28E-14	6.25E-15	1.51E-13	8.33E-15	1.65542E-13	2.47E-06	1.7291E-08	2.17E-09	2.03675E-14	2.19969E-14	1.25121E-14	4.50435E-15
462	570310.6	4178519	0.55, 41785	0.10968	0.08323	75.92481	30.95134	12.65413	4.31611	1.64927E-11	7.86E-14	1.66E-11	1.14E-08	2.92E-11	1.14E-08	1.9E-09	1.20E-11	1.91E-09	5.11E-15	1.54E-14	8.94E-15	1.3E-15	3.15E-14	1.74E-15	3.4539E-14	1.635E-06	1.1446E-08	1.91E-09	4.24953E-15	4.58949E-15	2.61055E-15	9.39799E-16
463	570350.6	4178519	0.55, 41785	0.12253	0.09413	80.98331	32.52203	13.49722	4.56123	1.8425E-11	8.89E-14	1.85E-11	1.22E-08	3.07E-11	1.22E-08	2.03E-09	1.28E-11	2.04E-09	5.71E-15	1.72E-14	9.99E-15	1.46E-15	3.52E-14	1.94E-15	3.85879E-14	1.744E-06	1.2208E-08	2.04E-09	4.74768E-15	5.12749E-15	2.91657E-15	1.04997E-15
464	570390.6	4178519	0.55, 41785	0.13706	0.10653	86.4192	34.09518	14.4032	4.78567	2.06099E-11	1.01E-13	2.07E-11	1.3E-08	3.22E-11	1.3E-08	2.17E-09	1.36E-11	2.18E-09	6.39E-15	1.93E-14	1.12E-14	1.63E-15	3.94E-14	2.17E-15	4.31662E-14	1.861E-06	1.3027E-08	2.18E-09	5.31097E-15	5.73585E-15	3.26262E-15	1.17454E-15
465	570430.6	4178519	0.55, 41785	0.15657	0.12308	93.48729	36.56809	15.58121	5.11226	2.35436E-11	1.16E-13	2.37E-11	1.41E-08	3.46E-11	1.41E-08	2.34E-09	1.47E-11	2.36E-09	7.3E-15	2.2E-14	1.28E-14	1.86E-15	4.5E-14	2.48E-15	4.93135E-14	2.013E-06	1.4092E-08	2.36E-09	6.0673E-15	6.55269E-15	3.72724E-15	1.34181E-15
466	570470.6	4178519	0.55, 41785	0.18113	0.14422	101.65142	39.2669	16.9419	5.47129	2.72367E-11	1.36E-13	2.74E-11	1.53E-08	3.71E-11	1.53E-08	2.55E-09	1.60E-11	2.56E-09	8.45E-15	2.55E-14	1.48E-14	2.15E-15	5.2E-14	2.87E-15	5.70525E-14	2.189E-06	1.5323E-08	2.56E-09	7.01948E-15	7.58104E-15	4.31218E-15	1.55239E-15
467	570510.6	4178519	0.55, 41785	0.21556	0.17373	112.42418	43.21366	18.73736	6.23491	3.2414E-11	1.64E-13	3.26E-11	1.69E-08	4.08E-11	1.69E-08	2.82E-09	1.77E-11	2.84E-09	1.01E-14	3.04E-14	1.76E-14	2.56E-15	6.19E-14	3.42E-15	6.79014E-14	2.421E-06	1.6946E-08	2.84E-09	8.35429E-15	9.02263E-15	5.13217E-15	1.84758E-15
468	570550.6	4178519	0.55, 41785	0.26244	0.21401	127.39838	48.06291	20.89373	7.26318	3.94634E-11	2.02E-13	3.97E-11	1.92E-08	4.54E-11	1.92E-08	3.14E-09	1.97E-11	3.16E-09	1.22E-14	3.7E-14	2.14E-14	3.12E-15	7.54E-14	4.16E-15	8.26736E-14	2.743E-06	1.9202E-08	3.16E-09	1.01718E-14	1.09855E-14	6.24869E-15	2.24953E-15
469	570590.6	4178519	0.55, 41785	0.32438	0.26815	146.74921	52.55391	23.05175	8.49659	4.87774E-11	2.53E-13	4.9E-11	2.21E-08	4.97E-11	2.21E-08	3.47E-09	2.18E-11	3.49E-09	1.51E-14	4.57E-14	2.64E-14	3.86E-15	9.32E-14	5.14E-15	1.02193E-13	3.159E-06	2.2116E-08	3.49E-09	1.25734E-14	1.35792E-14	7.72402E-15	2.78065E-15
470	570630.6	4178519	0.55, 41785	0.41604	0.34788	170.82398	60.03664	25.41079	10.076	6.25604E-11	3.29E-13	6.29E-11	2.57E-08	5.67E-11	2.57E-08	3.82E-09	2.40E-11	3.85E-09	1.94E-14	5.86E-14	3.39E-14	4.95E-15	1.2E-13	6.59E-15	1.31077E-13	3.678E-06	2.5744E-08	3.85E-09	1.61272E-14	1.74173E-14	9.90718E-15	3.56659E-15
471	570670.6	4178519	0.55, 41785	0.56352	0.47347	210.6175	71.54419	27.95974	12.2085	8.47371E-11	4.47E-13	8.52E-11	3.17E-08	6.76E-11	3.17E-08	4.2E-09	2.64E-11	4.23E-09	2.63E-14	7.94E-14	4.59E-14	6.7E-15	1.62E-13	8.93E-15	1.77547E-13	4.534E-06	3.1738E-08	4.23E-09	2.18446E-14	2.35921E-14	1.34195E-14	4.83101E-15
472	570710.6	4178519	0.55, 41785	0.82936	0.69158	257.30872	94.91316	32.16359	16.3308	1.24712E-10	6.53E-13	1.25E-10	3.87E-08	8.97E-11	3.88E-08	4.84E-09	3.04E-11	4.87E-09	3.87E-14	1.17E-13	6.76E-14	9.86E-15	2.38E-13	1.31E-14	2.61294E-13	5.54E-06	3.8781E-08	4.87E-09	3.21484E-14	3.47203E-14	1.97493E-14	7.10975E-15
473	570750.6	4178519	0.55, 41785	1.36529	1.13262	327.60111	130.96882	45.80096	29.91109	2.053E-10	1.07E-12	2.06E-10	4.93E-08	1.24E-10	4.94E-08	6.89E-09	4.33E-11	6.93E-09	6.37E-14	1.92E-13	1.11E-13	1.62E-14	3.92E-13	2.16E-14	4.3013E-13	7.055E-06	4.9385E-08	6.93E-09	5.29213E-14	5.7155E-14	3.25104E-14	1.17037E-14
474	570790.6	4178519	0.55, 41785	2.09469	1.90095	339.24086	174.34023	59.4987	49.70987	3.14981E-10	1.80E-12	3.17E-10	5.1E-08	1.65E-10	5.12E-08	8.95E-09	5.62E-11	9E-09	9.78E-14	2.95E-13	1.71E-13	2.49E-14	6.02E-13	3.32E-14	6.60247E-13	7.311E-06	5.1177E-08	9E-09	8.12338E-14	8.77325E-14	4.99032E-14	1.79652E-14
475	570990.6	4178519	0.55, 41785	30.9381	16.28557	1645.60932	278.46944	444.29015	131.46412	4.65219E-09	1.54E-11	4.67E-09	2.47E-07	2.63E-10	2.48E-07	6.68E-08	4.20E-10	6.72E-08	1.44E-12	4.35E-12	2.52E-12	3.67E-13	8.87E-12	4.89E-13	9.72847E-12	3.539E-05	2.4772E-07	6.72E-08	1.19695E-12	1.2927E-12	7.35304E-13	2.64709E-13
476	571030.6	4178519	0.55, 41785	10.39533	8.05295	575.07494	188.36146	130.51861	75.45666	1.56316E-09	7.61E-12	1.57E-09	8.65E-08	1.78E-10	8.67E-08	1.96E-08	1.23E-10	1.97E-08	4.85E-13	1.46E-12	8.47E-13	1.24E-13	2.99E-12	1.65E-13	3.27389E-12	1.238E-05	8.6653E-08	1.97E-08	4.02805E-13	4.35029E-13	2.47449E-13	8.90818E-14
477	571070.6	4178519	0.55, 41785	5.62777	5.38206	327.13066	151.27996	61.45445	56.79768	8.46254E-10	5.09E-12	8.51E-10	4.92E-08	1.43E-10	4.93E-08	9.24E-09	5.81E-11	9.3E-09	2.63E-13	7.93E-13	4.59E-13	6.7E-14	1.62E-12	8.93E-14	1.77442E-12	7.048E-06	4.9334E-08	9.3E-09	2.18316E-13	2.35781E-13	1.34115E-13	4.82814E-14
478	571110.6	4178519	0.55, 41785	3.70135	3.92679	194.51307	130.68512	41.68788	44.49195	5.56576E-10	3.71E-12	5.6E-10	2.92E-08	1.23E-10	2.94E-08	6.27E-09	3.94E-11	6.31E-09	1.73E-13	5.22E-13	3.02E-13	4.41E-14	1.06E-12	5.87E-14	1.16778E-12	4.196E-06	2.9373E-08	6.31E-09	1.43679E-13	1.55173E-13	8.82643E-14	3.17751E-14
479	571150.6	4178519	0.55, 41785	2.69329	3.00723	208.02281	103.35418	30.40761	37.50867	4.04993E-10	2.84E-12	4.08E-10	3.13E-08	9.77E-11	3.14E-08	4.57E-09	2.87E-11	4.6E-09	1.26E-13	3.8E-13	2.2E-13	3.21E-14	7.75E-13	4.28E-14	8.50034E-13	4.483E-06	3.1378E-08	4.6E-09	1.04584E-13	1.12951E-13	6.42479E-14	2.31292E-14
480	571190.6	4178519	0.55, 41785	2.08526	2.38411	205.94825	100.14217	32.90062	31.32752	3.13563E-10	2.25E-12	3.16E-10	3.1E-08	9.46E-11	3.11E-08	4.95E-09	3.11E-11	4.98E-09	9.75E-14	2.94E-13	1.7E-13	2.49E-14	6E-13	3.31E-14	6.58243E-13	4.438E-06	3.1063E-08	4.98E-09	8.09872E-14	8.74662E-14	4.97518E-14	1.79106E-14
481	571230.6	4178519	0.55, 41785	1.66362	1.91731	215.41751	83.66277	30.77393	25.17962	2.5016E-10	1.81E-12	2.52E-10	3.24E-08	7.91E-11	3.25E-08	4.63E-09	2.91E-11	4.66E-09	7.78E-14	2.35E-13	1.36E-13	1.98E-14	4.79E-13	2.64E-14	5.25176E-13	4.639E-06	3.2472E-08	4.66E-09	6.46153E-14	6.97845E-14	3.96942E-14	1.42899E-14
482	571270.6	4178519	0.55, 41785	1.38104	1.58176	194.90891	74.63088	31.16799	21.56574	2.07668E-10	1.49E-12	2.09E-10	2.93E-08	7.05E-11	2.94E-08	4.69E-09	2.95E-11	4.72E-09	6.45E-14	1.95E-13	1.13E-13	1.65E-14	3.98E-13	2.19E-14	4.35951E-13	4.197E-06	2.9379E-08	4.72E-09	5.36374E-14	5.79284E-14	3.29503E-14	1.18621E-14
483	571310.6	4178519	0.55, 41785	1.18628	1.33473	227.7435	74.01926	34.0231	18.88588	1.78382E-10	1.26E-12	1.8E-10	3.42E-08	6.99E-11	3.43E-08	5.12E-09	3.21E-11	5.15E-09	5.54E-14	1.67E-13	9.69E-14	1.41E-14	3.41E-13	1.88E-14	3.74424E-13	4.902E-06	3.4316E-08	5.15E-09	4.60675E-14	4.97528E-14	2.83E-14	1.0188E-14
484	571350.6	4178519	0.55, 41785	1.02794	1.1349	186.21806	66.32591	28.09378	16.3212	1.54572E-10	1.07E-12	1.56E-10	2.8E-08	6.27E-11	2.81E-08	4.22E-09	2.65E-11	4.25E-09	4.8E-14	1.45E-13	8.4E-14	1.22E-14	2.96E-13	1.63E-14	3.24405E-13	4.009E-06	2.8064E-08	4.25E-09	3.99133E-14	4.31064E-14	2.45194E-14	8.82698E-15
485	571390.6	4178519	0.55, 41785	0.88898	0.96986	165.64096	58.31983	23.55305	14.40747	1.33677E-10	9.16E-13	1.35E-10	2.49E-08	5.51E-11	2.5E-08	3.54E-09	2.23E-11	3.56E-09	4.15E-14	1.25E-13	7.26E-14	1.06E-14	2.56E-13	1.41E-14	2.80528E-13	3.566E-06	2.4963E-08	3.56E-09	3.45149E-14	3.72761E-14	2.12031E-14	7.6331E-15
486	571430.6	4178519	0.55, 41785	0.7696	0.83467	166.81635	54.79876	23.72844	12.50769	1.15726E-10	7.89E-13	1.17E-10	2.51E-08	5.18E-11	2.51E-08	3.57E-09	2.24E-11	3.59E-09	3.6E-14	1.09E-13	6.28E-14	9.17E-15	2.21E-13	1.22E-14	2.42846E-13	3.591E-06	2.5136E-08	3.59E-09	2.98787E-14	3.2269E-14	1.8355E-14	6.60779E-15
487	571470.6	4178519	0.55, 41785	0.67066	0.72494	138.40145	51.97552	19.82816	10.73341	1.00848E-10	6.85E-13	1.02E-10	2.08E-08	4.91E-11	2.09E-08	2.98E-09	1.87E-11	3E-09	3.13E-14	9.46E-14	5.48E-14	7.99E-15	1.93E-13	1.06E-14	2.11621E-13	2.98E-06	2.0861E-08	3E-09	2.60369E-14	2.81199E-14	1.59949E-14	5.75816E-15
488	571510.6	4178519	0.55, 41785	0.58987	0.63439	93.94363	49.66848	13.736	9.50533	8.86994E-11	5.99E-13	8.93E-11	1.41E-08	4.69E-11	1.42E-08	2.07E-09	1.30E-11	2.08E-09	2.76E-14	8.32E-14	4.82E-14	7.03E-15	1.7E-13	9.36E-15	1.86122E-13	2.025E-06	1.4173E-08	2.08E-09	2.28996E-14	2.47316E-14	1.40676E-14	5.06434E-15
489	571550.6	4178519	0.55, 41785	0.52422	0.55926	64.7066	47.53612	9.81761	8.44297	7.88275E-11	5.28E-13	7.94E-11	9.73E-09	4.49E-11	9.77E-09	1.48E-09	9.28E-12	1.49E-09	2.45E-14	7.39E-14	4.28E-14	6.24E-15	1.51E-13	8.32E-15	1.65399E-13	1.396E-06	9.7749E-09	1.49E-09	2.03499E-14	2.19779E-14	1.25013E-14	4.50046E-15
490	571590.6	4178519	0.55, 41785	0.47148	0.49721	75.39988	45.27823	9.54319	7.49343	7.08969E-11	4.70E-13	7.14E-11	1.13E-08	4.28E-11	1.14E-08	1.44E-09	9.02E-12	1.44E-09	2.2E-14	6.65E-14	3.85E-14	5.62E-15	1.36E-13	7.48E-15	1.48747E-13	1.626E-06	1.1381E-08	1.44E-09	1.83012E-14	1.97653E-14	1.12427E-14	4.04738E-15
491	570310.6	4178559	0.55, 41785	0.10731	0.08405	76.80272	30.54078	12.80045	4.19275	1.61363E-11	7.94E-14	1.62E-11	1.15E-08	2.89E-11	1.16E-08	1.92E-09	1.21E-11	1.94E-09	5E-15	1.51E-14	8.75E-15	1.28E-15	3.08E-14	1.7E-15	3.37979E-14	1.654E-06	1.1578E-08	1.94E-09	4.15834E-15	4.491E-15	2.55453E-15	9.19632E-16
492	570350.6	4178559	0.55, 41785	0.11907	0.09438	82.9813	31.5625	13.39224	4.31782	1.79047E-11	8.92E-14	1.8E-11	1.25E-08	2.98E-11	1.25E-08	2.01E-09	1.27E-11	2.03E-09	5.55E-15	1.68E-14	9.71E-15	1.42E-15	3.42E-14	1.89E-15	3.7504E-14	1.787E-06	1.2508E-08	2.03E-09	4.61432E-15	4.98346E-15	2.83465E-15	1.02047E-15
493	570390.6	4178559	0.55, 41785	0.1339	0.10748	90.55746	32.83588	14.07263	4.47793	2.01347E-11	1.02E-13	2.02E-11	1.36E-08	3.10E-11	1.36E-08	2.12E-09	1.33E-11	2.13E-09	6.24E-15	1.89E-14	1.09E-14	1.59E-15	3.85E-14	2.12E-15	4.21777E-14	1.95E-06	1.3648E-08	2.13E-09	5.18935E-15	5.6045E-15	3.1879E-15	1.14764E-15
494	570430.6	4178559	0.55, 41785	0.15297	0.12443	99.07784	34.42492	14.88754	4.68196	2.30023E-11	1.18E-13	2.31E-11	1.49E-08	3.25E-11	1.49E-08	2.24E-09	1.41E-11	2.25E-09	7.13E-15	2.15E-14	1.25E-14	1.82E-15	4.39E-14	2.42E-15	4.81878E-14	2.133E-06	1.4931E-08	2.25E-09	5.92881E-15	6.40312E-15	3.64217E-15	1.31118E-15
495	570470.6	4178559	0.55, 41785	0.17711	0.14611	108.3811	37.13833	15.68816	5.10948	2.66322E-11	1.38E-13	2.68E-11	1.63E-08	3.51E-11	1.63E-08	2.36E-09	1.48E-11	2.37E-09	8.26E-15	2.49E-14	1.44E-14	2.11E-15	5.09E-14	2.81E-15	5.57963E-14	2.333E-06	1.6332E-08	2.37E-09	6.86493E-15	7.41412E-15	4.21724E-15	1.5182E-15
496	570510.6	4178559	0.55, 41785	0.21022	0.1758	119.02071	41.74654	16.67371	5.7123	3.1611E-11	1.66E-13	3.18E-11	1.79E-08	3.94E-11	1.79E-08	2.51E-09	1.58E-11	2.52E-09	9.81E-15	2.96E-14	1.71E-14	2.5E-15	6.04E-14	3.33E-15	6.62319E-14	2.562E-06	1.7937E-08	2.52E-09	8.14887E-15	8.80078E-15	5.00598E-15	1.80215E-15
497	570550.6	4178559	0.55, 41785	0.25686	0.21737	138.81712	48.97119	17.78034	6.5378	3.86243E-11	2.05E-13	3.88E-11	2.09E-08	4.63E-11	2.09E-08	2.67E-09	1.68E-11	2.69E-09	1.2E-14	3.62E-14	2.09E-14	3.06E-15	7.38E-14	4.07E-15	8.09313E-14	2.989E-06	2.092E-08	2.69E-09	9.95743E-15	1.0754E-14	6.11701E-15	2.20212E-15
498	570590.6	4178559	0.55, 41785	0.31921	0.27311	158.95656	55.69599	19.86957	7.90259	4.79999E-11	2.58E-13	4.83E-11	2.39E-08	5.26E-11	2.4E-08	2.99E-09	1.88E-11	3.01E-09	1.49E-14	4.5E-14	2.6E-14	3.8E-15	9.17E-14	5.06E-15	1.00582E-13	3.422E-06	2.3955E-08	3.01E-09	1.23752E-14	1.33652E-14	7.60229E-15	2.73682E-15
499	570630.6	4178559	0.55, 41785	0.41072	0.35398	180.38278	65.18573	22.54785	9.64997	6.17604E-11	3.34E-13	6.21E-11	2.71E-08	6.16E-11	2.72E-08	3.39E-09	2.13E-11	3.41E-09	1.92E-14	5.79E-14	3.35E-14	4.89E-15	1.18E-13	6.51E-15	1.29422E-13	3.884E-06	2.7186E-08	3.41E-09	1.59235E-14	1.71974E-14	9.78207E-15	3.52155E-15
500	570670.6	4178559	0.55, 41785	0.55178	0.47716	218.05495	85.23197	27.25687	14.02323	8.29717E-11	4.51E-13	8.34E-11	3.28E-08	8.05E-11	3.29E-08	4.1E-09	2.58E-11	4.12E-09	2.57E-14	7.77E-14	4.5E-14	6.56E-15	1.59E-13	8.75E-15	1.73875E-13	4.696E-06	3.287E-08	4.12E-09	2.13928E-14	2.31042E-14	1.31419E-14	4.73109E-15
501	570710.6	4178559	0.55, 41785	0.78132	0.6809	244.71244	105.12049	32.595	21.74638	1.17488E-10	6.43E-13	1.18E-10	3.68E-08	9.93E-11	3.69E-08	4.9E-09	3.08E-11	4.93E-09	3.65E-14	1.1E-13	6.37E-14	9.3E-15	2.25E-13	1.24E-14	2.46217E-13	5.271E-06	3.6897E-08	4.93E-09	3.02934E-14	3.27169E-14	1.86097E-14	6.6995E-15
502	570750.6	4178559	0.55, 41785	1.13763	1.02831	276.33124	124.7524	39.47589	32.46528	1.71067E-10	9.72E-13	1.72E-10	4.16E-08	1.18E-10	4.17E-08	5.94E-09	3.73E-11	5.97E-09	5.31E-14	1.6E-13	9.28E-14	1.35E-14	3.27E-13	1.8E-14	3.58573E-13	5.953E-06	4.167E-08	5.97E-09	4.41172E-14	4.76466E-14	2.71019E-14	9.75669E-15
503	570790.6	4178559	0.55, 41785	1.48115	1.46435	285.306	157.20995	43.19026	42.97795	2.22722E-10	1.38E-12	2.24E-10	4.29E-08	1.49E-10	4.31E-08	6.49E-09	4.08E-11	6.54E-09	6.92E-14	2.09E-13	1.21E-13	1.76E-14	4.26E-13	2.35E-14	4.67096E-13	6.15E-06	4.305E-08	6.54E-09	5.74693E-14	6.20669E-14	3.53043E-14	1.27096E-14
504	570830.6	4178559	0.55, 41785	2.67811	2.99292	342.02881	178.80856	66.23843	64.34565	4.0271E-10	2.83E-12	4.06E-10	5.14E-08	1.69E-10	5.16E-08	9.96E-09	6.26E-11	1E-08	1.25E-13	3.78E-13	2.19E-13	3.19E-14	7.71E-13	4.25E-14	8.45249E-13	7.371E-06	5.16E-08	1E-08	1.03996E-13	1.12315E-13	6.38862E-14	2.2999E-14
505	570950.6	4178559	0.55, 41785	26.55575	12.00196	679.01352	318.67052	280.37281	116.3834	3.99322E-09	1.13E-11	4E-09	1.02E-07	3.01E-10	1.02E-07	4.22E-08	2.65E-10	4.24E-08	1.24E-12	3.73E-12	2.16E-12	3.15E-13	7.61E-12	4.2E-13	8.34655E-12	1.463E-05	1.0241E-07	4.24E-08	1.02692E-12	1.10908E-12	6.30855E-13	2.27108E-13
506	570990.6	4178559	0.55, 41785	10.52141	6.96087	639.29991	205.65266	133.52138	75.6432	1.58212E-09	6.58E-12	1.59E-09	9.61E-08	1.94E-10	9.63E-08	2.01E-08	1.26E-10	2.02E-08	4.9E-13	1.48E-12	8.57E-13	1.25E-13	3.02E-12	1.67E-13	3.31125E-12	1.376E-05	9.6327E-08	2.02E-08	4.07402E-13	4.39994E-13	2.50274E-13	9.00985E-14
507	571030.6	4178559	0.55, 41785	6.12086	4.69941	562.31532	143.87555	97.52112	53.65332	9.204E-10	4.44E-12	9.25E-10	8.46E-08	1.36E-10	8.47E-08	1.47E-08	9.22E-11	1.48E-08	2.85E-13	8.62E-13	4.99E-13	7.28E-14	1.76E-12	9.7E-14	1.92761E-12	1.21E-05	8.4692E-08	1.48E-08	2.37165E-13	2.56138E-13	1.45694E-13	5.24499E-14
508	571070.6	4178559	0.55, 41785	4.00501	3.46908	291.75499	122.4909	69.10596	41.80504	6.02238E-10	3.28E-12	6.06E-10	4.39E-08	1.16E-10	4.4E-08	1.04E-08	6.53E-11	1.05E-08	1.87E-13	5.64E-13	3.27E-13	4.76E-14	1.15E-12	6.35E-14	1.26205E-12	6.284E-06	4.3987E-08	1.05E-08	1.55277E-13	1.677E-13	9.53894E-14	3.43402E-14
509	571110.6	4178559	0.55, 41785	2.89394	2.70355	288.47324	105.99812	48.03981	36.46899	4.35165E-10	2.55E-12	4.38E-10	4.34E-08	1.00E-10	4.35E-08	7.22E-09	4.54E-11	7.27E-09	1.35E-13	4.08E-13	2.36E-13	3.44E-14	8.32E-13	4.59E-14	9.12323E-13	6.211E-06	4.3478E-08	7.27E-09	1.12248E-13	1.21228E-13	6.89558E-14	2.48241E-14
510	571150.6	4178559	0.55, 41785	2.21115	2.17534	240.56187	97.79178	31.90722	30.3701	3.32493E-10	2.06E-12	3.35E-10	3.62E-08	9.24E-11	3.63E-08	4.8E-09	3.01E-11	4.83E-09	1.03E-13	3.12E-13	1.8E-13	2.63E-14	6.36E-13	3.51E-14	6.97287E-13	5.181E-06	3.6266E-08	4.83E-09	8.57911E-14	9.26543E-14	5.27028E-14	1.8973E-14
511	571190.6	4178559	0.55, 41785	1.76303	1.79806	177.14345	83.63267	24.55859	26.34777	2.65109E-10	1.70E-12	2.67E-10	2.66E-08	7.90E-11	2.67E-08	3.69E-09	2.32E-11	3.72E-09	8.23E-14	2.49E-13	1.44E-13	2.1E-14	5.07E-13	2.8E-14	5.56098E-13	3.817E-06	2.6716E-08	3.72E-09	6.84197E-14	7.38933E-14	4.20313E-14	1.51313E-14
512	571230.6	4178559	0.55, 41785	1.44054	1.50665	192.87207	80.98435	29.09943	22.26218	2.16615E-10	1.42E-12	2.18E-10	2.9E-08	7.65E-11	2.91E-08	4.38E-09	2.75E-11	4.4E-09	6.73E-14	2.03E-13	1.18E-13	1.72E-14	4.14E-13	2.29E-14	4.54451E-13	4.154E-06	2.9079E-08	4.4E-09	5.59136E-14	6.03867E-14	3.43486E-14	1.23655E-14
513	571270.6	4178559	0.55, 41785	1.19178	1.27042	167.21575	71.42327	22.32638	19.23301	1.79209E-10	1.20E-12	1.8E-10	2.51E-08	6.75E-11	2.52E-08	3.36E-09	2.11E-11	3.38E-09	5.57E-14	1.68E-13	9.73E-14	1.42E-14	3.43E-13	1.89E-14	3.76021E-13	3.602E-06	2.5212E-08	3.38E-09	4.6264E-14	4.99651E-14	2.84207E-14	1.02315E-14

514	571310.6	4178559	0.55, 41785	1.01245	1.08581	169.23295	65.49002	26.6418	16.91234	1.52243E-10	1.03E-12	1.53E-10	2.54E-08	6.19E-11	2.55E-08	4.01E-09	2.52E-11	4.03E-09	4.73E-14	1.43E-13	8.27E-14	1.21E-14	2.91E-13	1.61E-14	3.19453E-13	3.644E-06	2.551E-08	4.03E-09	3.93041E-14	4.24484E-14	2.41451E-14	8.69225E-15
515	571350.6	4178559	0.55, 41785	0.8838	0.94242	194.09519	63.64749	28.90026	14.99354	1.32898E-10	8.91E-13	1.34E-10	2.92E-08	6.01E-11	2.92E-08	4.35E-09	2.73E-11	4.37E-09	4.13E-14	1.25E-13	7.22E-14	1.05E-14	2.54E-13	1.4E-14	2.7885E-13	4.178E-06	2.9246E-08	4.37E-09	3.43085E-14	3.70532E-14	2.10763E-14	7.58745E-15
516	571390.6	4178559	0.55, 41785	0.78025	0.82372	158.10154	57.98385	23.81897	12.89204	1.17327E-10	7.78E-13	1.18E-10	2.38E-08	5.48E-11	2.38E-08	3.58E-09	2.25E-11	3.6E-09	3.64E-14	1.1E-13	6.37E-14	9.29E-15	2.24E-13	1.24E-14	2.46163E-13	3.404E-06	2.3829E-08	3.6E-09	3.02867E-14	3.27097E-14	1.86056E-14	6.69803E-15
517	571430.6	4178559	0.55, 41785	0.68512	0.72115	137.68904	52.2569	18.93914	11.62385	1.03022E-10	6.81E-13	1.04E-10	2.07E-08	4.94E-11	2.08E-08	2.85E-09	1.79E-11	2.87E-09	3.2E-14	9.66E-14	5.59E-14	8.16E-15	1.97E-13	1.09E-14	2.16146E-13	2.965E-06	2.0754E-08	2.87E-09	2.65936E-14	2.87211E-14	1.63369E-14	5.88127E-15
518	571470.6	4178559	0.55, 41785	0.60049	0.63425	143.56241	49.93475	19.90478	10.29716	9.02963E-11	5.99E-13	9.09E-11	2.16E-08	4.72E-11	2.16E-08	2.99E-09	1.88E-11	3.01E-09	2.8E-14	8.47E-14	4.9E-14	7.15E-15	1.73E-13	9.53E-15	1.8945E-13	3.091E-06	2.1635E-08	3.01E-09	2.33091E-14	2.51739E-14	1.43192E-14	5.1549E-15
519	571510.6	4178559	0.55, 41785	0.52736	0.56045	131.02036	47.72087	18.26486	8.99798	7.92997E-11	5.30E-13	7.98E-11	1.97E-08	4.51E-11	1.97E-08	2.75E-09	1.73E-11	2.76E-09	2.46E-14	7.44E-14	4.31E-14	6.28E-15	1.52E-13	8.37E-15	1.66385E-13	2.821E-06	1.9747E-08	2.76E-09	2.04713E-14	2.2109E-14	1.25758E-14	4.5273E-15
520	571550.6	4178559	0.55, 41785	0.46874	0.49944	99.50634	45.73793	14.05158	8.03042	7.04849E-11	4.72E-13	7.1E-11	1.5E-08	4.32E-11	1.5E-08	2.11E-09	1.33E-11	2.13E-09	2.19E-14	6.61E-14	3.83E-14	5.58E-15	1.35E-13	7.44E-15	1.47893E-13	2.144E-06	1.5006E-08	2.13E-09	1.81961E-14	1.96517E-14	1.11781E-14	4.02413E-15
521	571590.6	4178559	0.55, 41785	0.42104	0.44786	63.39282	43.98321	9.17705	7.35207	6.33122E-11	4.23E-13	6.37E-11	9.53E-09	4.16E-11	9.57E-09	1.38E-09	8.67E-12	1.39E-09	1.97E-14	5.94E-14	3.44E-14	5.02E-15	1.21E-13	6.68E-15	1.32841E-13	1.368E-06	9.574E-09	1.39E-09	1.63442E-14	1.76517E-14	1.00405E-14	3.61458E-15
522	570310.6	4178599	0.55, 41785	0.10507	0.08466	83.25071	28.48032	11.19876	3.62883	1.57995E-11	8.00E-14	1.59E-11	1.25E-08	2.69E-11	1.25E-08	1.68E-09	1.06E-11	1.69E-09	4.9E-15	1.48E-14	8.57E-15	1.25E-15	3.02E-14	1.67E-15	3.3097E-14	1.792E-06	1.2545E-08	1.69E-09	4.07211E-15	4.39788E-15	2.50156E-15	9.00562E-16
523	570350.6	4178599	0.55, 41785	0.11716	0.09561	88.57329	30.33455	11.44069	3.79182	1.76175E-11	9.03E-14	1.77E-11	1.33E-08	2.87E-11	1.33E-08	1.72E-09	1.08E-11	1.73E-09	5.46E-15	1.65E-14	9.55E-15	1.39E-15	3.37E-14	1.86E-15	3.69078E-14	1.907E-06	1.3348E-08	1.73E-09	4.54096E-15	4.90424E-15	2.78959E-15	1.00425E-15
524	570390.6	4178599	0.55, 41785	0.13131	0.10865	93.2639	32.45644	11.65799	4.05706	1.97452E-11	1.03E-13	1.98E-11	1.4E-08	3.07E-11	1.41E-08	1.75E-09	1.10E-11	1.76E-09	6.12E-15	1.85E-14	1.07E-14	1.56E-15	3.77E-14	2.08E-15	4.13682E-14	2.008E-06	1.4055E-08	1.76E-09	5.08976E-15	5.49694E-15	3.12672E-15	1.12562E-15
525	570430.6	4178599	0.55, 41785	0.15022	0.126	103.53542	36.02365	12.94193	4.50296	2.25887E-11	1.19E-13	2.27E-11	1.56E-08	3.40E-11	1.56E-08	1.95E-09	1.22E-11	1.96E-09	7.01E-15	2.12E-14	1.22E-14	1.79E-15	4.32E-14	2.38E-15	4.7329E-14	2.229E-06	1.5603E-08	1.96E-09	5.82315E-15	6.289E-15	3.57726E-15	1.28781E-15
526	570470.6	4178599	0.55, 41785	0.17421	0.14819	115.63183	39.91557	14.45398	5.34922	2.61961E-11	1.40E-13	2.63E-11	1.74E-08	3.77E-11	1.74E-08	2.17E-09	1.37E-11	2.19E-09	8.13E-15	2.45E-14	1.42E-14	2.07E-15	5.01E-14	2.76E-15	5.48915E-14	2.489E-06	1.7425E-08	2.19E-09	6.7536E-15	7.29389E-15	4.14885E-15	1.49359E-15
527	570510.6	4178599	0.55, 41785	0.20799	0.17912	128.15759	44.54205	16.0197	6.36274	3.12757E-11	1.69E-13	3.14E-11	1.93E-08	4.21E-11	1.93E-08	2.41E-09	1.51E-11	2.42E-09	9.7E-15	2.93E-14	1.7E-14	2.47E-15	5.98E-14	3.3E-15	6.55395E-14	2.759E-06	1.9313E-08	2.42E-09	8.06369E-15	8.70878E-15	4.95365E-15	1.78332E-15
528	570550.6	4178599	0.55, 41785	0.25382	0.22088	141.74172	51.90419	17.71771	7.41488	3.81672E-11	2.09E-13	3.84E-11	2.13E-08	4.90E-11	2.14E-08	2.66E-09	1.67E-11	2.68E-09	1.18E-14	3.58E-14	2.07E-14	3.02E-15	7.29E-14	4.02E-15	7.99855E-14	3.052E-06	2.1363E-08	2.68E-09	9.84105E-15	1.06283E-14	6.04552E-15	2.17639E-15
529	570590.6	4178599	0.55, 41785	0.31442	0.27626	161.8077	62.94071	20.22596	8.27119	4.72797E-11	2.61E-13	4.75E-11	2.43E-08	5.95E-11	2.44E-08	3.04E-09	1.91E-11	3.06E-09	1.47E-14	4.43E-14	2.56E-14	3.74E-15	9.04E-14	4.98E-15	9.90874E-14	3.484E-06	2.4391E-08	3.06E-09	1.21913E-14	1.31666E-14	7.48929E-15	2.69614E-15
530	570630.6	4178599	0.55, 41785	0.39904	0.35395	187.04764	77.01967	23.38095	12.20463	6.00041E-11	3.34E-13	6.03E-11	2.81E-08	7.28E-11	2.82E-08	3.52E-09	2.21E-11	3.54E-09	1.86E-14	5.62E-14	3.25E-14	4.75E-15	1.15E-13	6.33E-15	1.25761E-13	4.028E-06	2.8199E-08	3.54E-09	1.54731E-14	1.6711E-14	9.50538E-15	3.42194E-15
531	570670.6	4178599	0.55, 41785	0.52025	0.46779	203.91154	89.67976	27.18561	17.16092	7.82305E-11	4.42E-13	7.87E-11	3.07E-08	8.47E-11	3.07E-08	4.09E-09	2.57E-11	4.11E-09	2.43E-14	7.33E-14	4.24E-14	6.19E-15	1.5E-13	8.25E-15	1.63974E-13	4.392E-06	3.0747E-08	4.11E-09	2.01747E-14	2.17886E-14	1.23936E-14	4.4617E-15
532	570710.6	4178599	0.55, 41785	0.68748	0.63563	226.5911	101.22552	32.37016	22.387	1.03377E-10	6.01E-13	1.04E-10	3.41E-08	9.57E-11	3.42E-08	4.87E-09	3.06E-11	4.9E-09	3.21E-14	9.69E-14	5.61E-14	8.18E-15	1.98E-13	1.09E-14	2.16717E-13	4.881E-06	3.4168E-08	4.9E-09	2.66639E-14	2.8797E-14	1.638E-14	5.89682E-15
533	570750.6	4178599	0.55, 41785	0.91976	0.89022	243.41497	114.05895	34.77357	31.00996	1.38305E-10	8.41E-13	1.39E-10	3.66E-08	1.08E-10	3.67E-08	5.23E-09	3.29E-11	5.26E-09	4.29E-14	1.3E-13	7.51E-14	1.09E-14	2.64E-13	1.46E-14	2.90018E-13	5.244E-06	3.671E-08	5.26E-09	3.56825E-14	3.85371E-14	2.19203E-14	7.89132E-15
534	570790.6	4178599	0.55, 41785	1.20615	1.22781	261.32328	130.44037	39.31654	39.06207	1.8137E-10	1.16E-12	1.83E-10	3.93E-08	1.23E-10	3.94E-08	5.91E-09	3.72E-11	5.95E-09	5.63E-14	1.7E-13	9.85E-14	1.44E-14	3.47E-13	1.91E-14	3.80441E-13	5.631E-06	3.9419E-08	5.95E-09	4.68077E-14	5.05524E-14	2.87548E-14	1.03517E-14
535	570830.6	4178599	0.55, 41785	1.86035	2.06593	307.79075	158.37727	57.33573	51.17396	2.79743E-10	1.95E-12	2.82E-10	4.63E-08	1.50E-10	4.64E-08	8.62E-09	5.42E-11	8.68E-09	8.69E-14	2.62E-13	1.52E-13	2.22E-14	5.35E-13	2.95E-14	5.87126E-13	6.633E-06	4.6432E-08	8.68E-09	7.22374E-14	7.80164E-14	4.43766E-14	1.59756E-14
536	570870.6	4178599	0.55, 41785	2.81953	3.8452	429.66876	238.19724	77.96533	87.47681	4.23976E-10	3.63E-12	4.28E-10	6.46E-08	2.25E-10	6.48E-08	1.17E-08	7.37E-11	1.18E-08	1.32E-13	3.98E-13	2.31E-13	3.36E-14	8.13E-13	4.48E-14	8.9125E-13	9.262E-06	6.4835E-08	1.18E-08	1.09655E-13	1.18428E-13	6.73631E-14	2.42507E-14
537	570910.6	4178599	0.55, 41785	4.21414	6.38342	555.65098	273.48442	124.98504	103.73159	6.33685E-10	6.03E-12	6.4E-10	8.36E-08	2.58E-10	8.38E-08	1.88E-08	1.18E-10	1.89E-08	1.97E-13	5.96E-13	3.45E-13	5.03E-14	1.22E-12	6.71E-14	1.33334E-12	1.197E-05	8.3812E-08	1.89E-08	1.64048E-13	1.77172E-13	1.00777E-13	3.62798E-14
538	570950.6	4178599	0.55, 41785	4.59898	4.54538	563.80012	195.03038	96.52509	58.5202	6.91553E-10	4.30E-12	6.96E-10	8.48E-08	1.84E-10	8.5E-08	1.45E-08	9.12E-11	1.46E-08	2.15E-13	6.48E-13	3.75E-13	5.48E-14	1.32E-12	7.3E-14	1.45033E-12	1.214E-05	8.4963E-08	1.46E-08	1.78442E-13	1.92718E-13	1.0962E-13	3.94632E-14
539	570990.6	4178599	0.55, 41785	3.82228	3.4158	387.45867	157.86758	74.93195	45.58999	5.7476E-10	3.23E-12	5.78E-10	5.83E-08	1.49E-10	5.84E-08	1.13E-08	7.08E-11	1.13E-08	1.78E-13	5.39E-13	3.12E-13	4.55E-14	1.1E-12	6.06E-14	1.20468E-12	8.345E-06	5.8412E-08	1.13E-08	1.48218E-13	1.60076E-13	9.10529E-14	3.2779E-14
540	571030.6	4178599	0.55, 41785	3.02247	2.69987	442.17309	124.03841	67.82636	38.72372	4.54492E-10	2.55E-12	4.57E-10	6.65E-08	1.17E-10	6.66E-08	1.02E-08	6.41E-11	1.03E-08	1.41E-13	4.26E-13	2.47E-13	3.6E-14	8.69E-13	4.79E-14	9.52598E-13	9.515E-06	6.6607E-08	1.03E-08	1.17203E-13	1.2658E-13	7.19999E-14	2.592E-14
541	571070.6	4178599	0.55, 41785	2.43201	2.20804	323.32852	105.96293	49.87717	32.54487	3.65704E-10	2.09E-12	3.68E-10	4.86E-08	1.00E-10	4.87E-08	7.5E-09	4.71E-11	7.55E-09	1.13E-13	3.43E-13	1.98E-13	2.89E-14	6.99E-13	3.86E-14	7.66572E-13	6.96E-06	4.8719E-08	7.55E-09	9.43155E-14	1.01861E-13	5.79396E-14	2.08582E-14
542	571110.6	4178599	0.55, 41785	1.9361	1.83698	285.52756	89.63178	42.26506	28.59229	2.91133E-10	1.74E-12	2.93E-10	4.29E-08	8.47E-11	4.3E-08	6.36E-09	3.99E-11	6.4E-09	9.04E-14	2.73E-13	1.58E-13	2.3E-14	5.57E-13	3.07E-14	6.10417E-13	6.146E-06	4.302E-08	6.4E-09	7.51029E-14	8.11111E-14	4.61369E-14	1.66093E-14
543	571150.6	4178599	0.55, 41785	1.58315	1.55537	182.41041	88.91432	29.75311	25.20352	2.3806E-10	1.47E-12	2.4E-10	2.74E-08	8.40E-11	2.75E-08	4.47E-09	2.81E-11	4.5E-09	7.39E-14	2.23E-13	1.29E-13	1.88E-14	4.55E-13	2.51E-14	4.99243E-13	3.93E-06	2.7513E-08	4.5E-09	6.14246E-14	6.63385E-14	3.77341E-14	1.35843E-14
544	571190.6	4178599	0.55, 41785	1.33739	1.33597	189.26194	77.8274	24.55337	21.99349	2.01105E-10	1.26E-12	2.02E-10	2.85E-08	7.35E-11	2.85E-08	3.69E-09	2.32E-11	3.72E-09	6.24E-14	1.89E-13	1.09E-13	1.59E-14	3.85E-13	2.12E-14	4.21786E-13	4.076E-06	2.8533E-08	3.72E-09	5.18947E-14	5.60463E-14	3.18798E-14	1.14767E-14
545	571230.6	4178599	0.55, 41785	1.14183	1.1549	177.02423	70.01737	25.42204	18.83046	1.71698E-10	1.09E-12	1.73E-10	2.66E-08	6.62E-11	2.67E-08	3.82E-09	2.40E-11	3.85E-09	5.33E-14	1.61E-13	9.32E-14	1.36E-14	3.28E-13	1.81E-14	3.60139E-13	3.812E-06	2.6685E-08	3.85E-09	4.43098E-14	4.78546E-14	2.72203E-14	9.79929E-15
546	571270.6	4178599	0.55, 41785	0.97959	1.00523	160.46118	68.49541	22.92303	16.81937	1.47302E-10	9.50E-13	1.48E-10	2.41E-08	6.47E-11	2.42E-08	3.45E-09	2.17E-11	3.47E-09	4.57E-14	1.38E-13	8E-14	1.17E-14	2.82E-13	1.55E-14	3.08996E-13	3.456E-06	2.4193E-08	3.47E-09	3.80175E-14	4.10589E-14	2.33547E-14	8.40771E-15
547	571310.6	4178599	0.55, 41785	0.84011	0.87488	131.92842	62.86665	16.49105	15.16442	1.26328E-10	8.27E-13	1.27E-10	1.98E-08	5.94E-11	1.99E-08	2.48E-09	1.56E-11	2.5E-09	3.92E-14	1.18E-13	6.86E-14	1E-14	2.42E-13	1.33E-14	2.65024E-13	2.843E-06	1.9898E-08	2.5E-09	3.26074E-14	3.5216E-14	2.00313E-14	7.21125E-15
548	571350.6	4178599	0.55, 41785	0.73896	0.77159	149.85158	58.69155	22.55392	13.49962	1.11118E-10	7.29E-13	1.12E-10	2.25E-08	5.55E-11	2.26E-08	3.39E-09	2.13E-11	3.41E-09	3.45E-14	1.04E-13	6.03E-14	8.8E-15	2.13E-13	1.17E-14	2.33119E-13	3.227E-06	2.2589E-08	3.41E-09	2.86819E-14	3.09765E-14	1.76198E-14	6.34312E-15
549	571390.6	4178599	0.55, 41785	0.661	0.68563	168.50279	56.32456	24.41155	12.10471	9.93953E-11	6.48E-13	1E-10	2.53E-08	5.32E-11	2.54E-08	3.67E-09	2.31E-11	3.69E-09	3.09E-14	9.32E-14	5.4E-14	7.87E-15	1.9E-13	1.05E-14	2.08516E-13	3.627E-06	2.5391E-08	3.69E-09	2.56549E-14	2.77073E-14	1.57602E-14	5.67368E-15
550	571430.6	4178599	0.55, 41785	0.59511	0.61204	136.17098	51.76249	20.03651	10.61326	8.94873E-11	5.78E-13	9.01E-11	2.05E-08	4.89E-11	2.05E-08	3.01E-09	1.89E-11	3.03E-09	2.78E-14	8.39E-14	4.86E-14	7.09E-15	1.71E-13	9.44E-15	1.87721E-13	2.932E-06	2.0525E-08	3.03E-09	2.30963E-14	2.4944E-14	1.41884E-14	5.10783E-15
551	571470.6	4178599	0.55, 41785	0.53051	0.54561	117.9441	47.17442	16.84916	9.40387	7.97733E-11	5.16E-13	8.03E-11	1.77E-08	4.46E-11	1.78E-08	2.53E-09	1.59E-11	2.55E-09	2.48E-14	7.48E-14	4.33E-14	6.32E-15	1.53E-13	8.42E-15	1.67343E-13	2.54E-06	1.778E-08	2.55E-09	2.05892E-14	2.22363E-14	1.26483E-14	4.55337E-15
552	571510.6	4178599	0.55, 41785	0.47218	0.48877	120.07824	45.51387	16.38718	8.49605	7.10022E-11	4.62E-13	7.15E-11	1.81E-08	4.30E-11	1.81E-08	2.46E-09	1.55E-11	2.48E-09	2.21E-14	6.66E-14	3.85E-14	5.62E-15	1.36E-13	7.49E-15	1.4895E-13	2.586E-06	1.8099E-08	2.48E-09	1.83261E-14	1.97922E-14	1.1258E-14	4.05289E-15
553	571550.6	4178599	0.55, 41785	0.42043	0.43954	119.99429	43.92883	16.43506	7.56489	6.32205E-11	4.15E-13	6.36E-11	1.8E-08	4.15E-11	1.81E-08	2.47E-09	1.55E-11	2.49E-09	1.96E-14	5.93E-14	3.43E-14	5.01E-15	1.21E-13	6.67E-15	1.32634E-13	2.584E-06	1.8085E-08	2.49E-09	1.63187E-14	1.76242E-14	1.00248E-14	3.60894E-15
554	571590.6	4178599	0.55, 41785	0.37632	0.39688	100.33698	42.40478	13.86046	7.00095	5.65876E-11	3.75E-13	5.7E-11	1.51E-08	4.01E-11	1.51E-08	2.08E-09	1.31E-11	2.1E-09	1.76E-14	5.31E-14	3.07E-14	4.48E-15	1.08E-13	5.97E-15	1.18725E-13	2.161E-06	1.5128E-08	2.1E-09	1.46074E-14	1.5776E-14	8.97357E-15	3.23048E-15
555	570310.6	4178639	0.55, 41786	0.10356	0.08559	83.92303	29.66661	10.49038	3.70833	1.55724E-11	8.09E-14	1.57E-11	1.26E-08	2.80E-11	1.26E-08	1.58E-09	9.91E-12	1.59E-09	4.83E-15	1.46E-14	8.44E-15	1.23E-15	2.98E-14	1.64E-15	3.26256E-14	1.807E-06	1.2648E-08	1.59E-09	4.01411E-15	4.33524E-15	2.46593E-15	8.87735E-16
556	570350.6	4178639	0.55, 41786	0.1161	0.09716	92.63397	32.60646	11.57925	4.08084	1.74581E-11	9.18E-14	1.75E-11	1.39E-08	3.08E-11	1.4E-08	1.74E-09	1.09E-11	1.75E-09	5.42E-15	1.64E-14	9.47E-15	1.38E-15	3.34E-14	1.84E-15	3.65786E-14	1.994E-06	1.396E-08	1.75E-09	4.50046E-15	4.8605E-15	2.76471E-15	9.95295E-16
557	570390.6	4178639	0.55, 41786	0.13068	0.11086	100.54346	34.97331	12.56793	4.70976	1.96505E-11	1.05E-13	1.98E-11	1.51E-08	3.30E-11	1.52E-08	1.89E-09	1.19E-11	1.9E-09	6.1E-15	1.84E-14	1.07E-14	1.55E-15	3.75E-14	2.07E-15	4.11751E-14	2.165E-06	1.5152E-08	1.9E-09	5.066E-15	5.47128E-15	3.11213E-15	1.12037E-15
558	570430.6	4178639	0.55, 41786	0.14929	0.12834	107.49924	37.52244	13.4374	5.36035	2.24489E-11	1.21E-13	2.26E-11	1.62E-08	3.55E-11	1.62E-08	2.02E-09	1.27E-11	2.03E-09	6.96E-15	2.1E-14	1.22E-14	1.78E-15	4.29E-14	2.37E-15	4.70422E-14	2.314E-06	1.62E-08	2.03E-09	5.78786E-15	6.25088E-15	3.55557E-15	1.28001E-15
559	570470.6	4178639	0.55, 41786	0.17443	0.15183	116.62505	42.4162	14.57813	6.05946	2.62292E-11	1.43E-13	2.64E-11	1.75E-08	4.01E-11	1.76E-08	2.19E-09	1.38E-11	2.21E-09	8.14E-15	2.46E-14	1.42E-14	2.08E-15	5.01E-14	2.77E-15	5.49676E-14	2.511E-06	1.7577E-08	2.21E-09	6.76297E-15	7.30401E-15	4.1546E-15	1.49566E-15
560	570510.6	4178639	0.55, 41786	0.20768	0.18277	127.00459	48.18252	15.87557	6.71257	3.12291E-11	1.73E-13	3.14E-11	1.91E-08	4.55E-11	1.91E-08	2.39E-09	1.50E-11	2.4E-09	9.69E-15	2.93E-14	1.69E-14	2.47E-15	5.97E-14	3.29E-15	6.54496E-14	2.735E-06	1.9143E-08	2.4E-09	8.05262E-15	8.69683E-15	4.94685E-15	1.78087E-15
561	570550.6	4178639	0.55, 41786	0.2504	0.22269	148.76746	59.99627	18.59593	7.58374	3.76529E-11	2.10E-13	3.79E-11	2.24E-08	5.67E-11	2.24E-08	2.8E-09	1.76E-11	2.81E-09	1.17E-14	3.53E-14	2.04E-14	2.98E-15	7.2E-14	3.97E-15	7.89172E-14	3.204E-06	2.2427E-08	2.81E-09	9.70961E-15	1.04864E-14	5.96477E-15	2.14732E-15
562	570590.6	4178639	0.55, 41786	0.30521	0.27478	162.38276	69.4472	20.29784	10.74133	4.58947E-11	2.60E-13	4.62E-11	2.44E-08	6.56E-11	2.45E-08	3.05E-09	1.92E-11	3.07E-09	1.42E-14	4.3E-14	2.49E-14	3.63E-15	8.77E-14	4.84E-15	9.61979E-14	3.498E-06	2.4483E-08	3.07E-09	1.18358E-14	1.27826E-14	7.2709E-15	2.61752E-15
563	570630.6	4178639	0.55, 41786	0.37839	0.34592	177.15033	78.68271	23.7109	14.16715	5.68989E-11	3.27E-13	5.72E-11	2.66E-08	7.43E-11	2.67E-08	3.57E-09	2.24E-11	3.59E-09	1.77E-14	5.33E-14	3.09E-14	4.5E-15	1.09E-13	6E-15	1.19274E-13	3.816E-06	2.6713E-08	3.59E-09	1.46749E-14	1.58489E-14	9.01502E-15	3.24541E-15
564	570670.6	4178639	0.55, 41786	0.47152	0.44129	194.04584	86.02037	27.72083	17.24466	7.0903E-11	4.17E-13	7.13E-11	2.92E-08	8.13E-11	2.93E-08	4.17E-09	2.62E-11	4.19E-09	2.2E-14	6.65E-14	3.85E-14	5.61E-15	1.36E-13	7.48E-15	1.4865E-13	4.18E-06	2.926E-08	4.19E-09	1.82892E-14	1.97523E-14	1.12353E-14	4.04472E-15
565	570710.6	4178639	0.55, 41786	0.59058	0.57043	207.44684	93.90742	29.63526	21.88085	8.88061E-11	5.39E-13	8.93E-11	3.12E-08	8.87E-11	3.13E-08	4.46E-09	2.80E-11	4.48E-09	2.76E-14	8.32E-14	4.82E-14	7.03E-15	1.7E-13	9.37E-15	1.86219E-13	4.469E-06	3.1283E-08	4.48E-09	2.29115E-14	2.47444E-14	1.40749E-14	5.06697E-15
566	570750.6	4178639	0.55, 41786	0.7421	0.74424	219.27007	107.04803	31.3243	27.05481	1.1159E-10	7.03E-13	1.12E-10	3.3E-08	1.01E-10	3.31E-08	4.71E-09	2.96E-11	4.74E-09	3.47E-14	1.05E-13	6.06E-14	8.84E-15	2.13E-13	1.18E-14	2.34049E-13	4.725E-06	3.3073E-08	4.74E-09	2.87964E-14	3.11001E-14	1.76901E-14	6.36843E-15
567	570790.6	4178639	0.55, 41786	0.94425	0.97087	237.37937	117.94026	33.01145	30.70173	1.41988E-10	9.17E-13	1.43E-10	3.57E-08	1.11E-10	3.58E-08	4.96E-09	3.12E-11	5E-09	4.41E-14	1.33E-13	7.71E-14	1.12E-14	2.72E-13	1.5E-14	2.97852E-13	5.115E-06	3.5806E-08	5E-09	3.66464E-14	3.95781E-14	2.25125E-14	8.10449E-15
568	570830.6	4178639	0.55, 41786	1.23329	1.33292	295.25944	130.22679	42.69044	39.99654	1.85451E-10	1.26E-12	1.87E-10	4.44E-08	1.23E-10	4.45E-08	6.42E-09	4.03E-11	6.46E-09	5.76E-14	1.74E-13	1.01E-13	1.47E-14	3.55E-13	1.96E-14	3.89154E-13	6.36E-06	4.4522E-08	6.46E-09	4.78798E-14	5.17101E-14	2.94133E-14	1.05888E-14
569	570870.6	4178639	0.55, 41786	1.50989	1.73214	317.24906	188.19869	58.25942	53.82297	2.27044E-10	1.64E-12	2.29E-10	4.77E-08	1.78E-10	4.79E-08	8.76E-09	5.51E-11	8.82E-09	7.06E-14	2.13E-13	1.23E-13	1.8E-14	4.35E-13	2.4E-14	4.7663E-13	6.84E-06	4.7883E-08	8.82E-09	5.86424E-14	6.33338E-14	3.6025E-14	1.2969E-14
570	570910.6	4178639	0.55, 41786	1.78259	1.99297	332.58479	179.86407	63.94152	52.98497	2.6805E-10	1.88E-12	2.7E-10	5E-08	1.70E-10	5.02E-08	9.61E-09	6.04E-11	9.68E-09	8.33E-14	2.52E-13	1.46E-13	2.12E-14	5.13E-13	2.83E-14	5.62612E-13	7.169E-06	5.0181E-08	9.68E-09	6.92212E-14	7.47589E-14	4.25237E-14	1.53085E-14
571	570950.6	4178639	0.55, 41786	1.86524	1.94862	326.77204	147.92341	57.64661	41.4452	2.80478E-10	1.84E-12	2.82E-10	4.91E-08	1.40E-10	4.93E-08	8.67E-09	5.45E-11	8.72E-09	8.71E-14	2.63E-13	1.52E-13	2.22E-14	5.37E-13	2.96E-14	5.88428E-13	7.04E-06	4.9277E-08	8.72E-09	7.23975E-14	7.81893E-14	4.4475E-14	1.6011E-14
572	570990.6	4178639	0.55, 41786	1.76592	1.78245	311.73236	122.31574	43.80696	33.57582	2.65543E-10	1.68E-12	2.67E-10	4.69E-08	1.16E-10	4.7E-08	6.59E-09	4.14E-11	6.63E-09	8.25E-14	2.49E-13	1.44E-13	2.1E-14	5.08E-13	2.8E-14	5.56973E-13	6.713E-06	4.6991E-08	6.63E-09	6.85274E-14	7.40096E-14	4.20975E-14	1.51551E-14
573	571030.6	4178639	0.55, 41786	1.5977	1.58915	263.38378	106.70114	40.88022	26.80487	2.40248E-10	1.50E-12	2.42E-10	3.96E-08	1.01E-10	3.97E-08	6.15E-09	3.86E-11	6.19E-09	7.46E-14	2.25E-13	1.3E-13	1.9E-14	4.59E-13	2.53E-14	5.0387E-13	5.672E-06	3.9706E-08	6.19E-09	6.19938E-14	6.69533E-14	3.80838E-14	1.37102E-14
574	571070.6	4178639	0.55, 41786	1.42629	1.41473	323.91584	92.06505	44.84431	24.93328	2.14473E-10	1.34E-12	2.16E-10	4.87E-08	8.70E-11	4.88E-08	6.74E-09	4.24E-11	6.79E-09	6.66E-14	2.01E-13	1.16E-13	1.7E-14	4.1E-13	2.26E-14	4.49804E-13	6.971E-06	4.8795E-08	6.79E-09	5.53418E-14	5.97692E-14	3.39974E-14	1.22391E-14
575	571110.6	4178639	0.55, 41786	1.27265	1.25146	231.49813	85.11921	34.4516	22.95032	1.9137E-10	1.18E-12	1.93E-10	3.48E-08	8.04E-11	3.49E-08	5.18E-09	3.26E-11	5.21E-09	5.94E-14	1.79E-13	1.04E-13	1.52E-14	3.66E-13	2.02E-14	4.0133E-13	4.984E-06	3.4891E-08	5.21E-09	4.93778E-14	5.3328E-14	3.03336E-14	1.09201E-14
576	571150.6	4178639	0.55, 41786	1.10067	1.1079	235.36335	78.49538	33.92291	20.75102	1.65509E-10	1.05E-12	1.67E-10	3.54E-08	7.42E-11	3.55E-08	5.1E-09	3.21E-11	5.13E-09	5.14E-14	1.55E-13	8.98E-14	1.31E-14	3.17E-13	1.75E-14	3.47146E-13	5.067E-06	3.5466E-08	5.13E-09	4.27113E-14	4.61282E-14	2.62382E-14	9.44577E-15
577	571190.6	4178639	0.55, 41786	0.96404	0.98605	150.10185	73.9658	22.00887	18.66835	1.44964E-10	9.32E-13	1.46E-10	2.26E-08	6.99E-11	2.26E-08	3.31E-09	2.08E-11	3.33E-09	4.5E-14	1.36E-13	7.87E-14	1.15E-14	2.77E-13	1.53E-14	3.04085E-13	3.234E-06	2.2641E-08	3.33E-09	3.74132E-14	4.04062E-14	2.29835E-14	8.27407E-15
578	571230.6	4178639	0.55, 41786	0.85847	0.87787	130.71922	65.23747	20.98447	16.26127	1.29089E-10	8.30E-13	1.3E-10	1.97E-08	6.16E-11	1.97E-08	3.16E-09	1.98E-11	3.18E-09	4.01E-14	1.21E-13	7.01E-14	1.02E-14	2.47E-13	1.36E-14	2.70785E-13	2.817E-06	1.9718E-08	3.18E-09	3.33161E-14	3.59814E-14	2.04666E-14	7.36798E-15
579	571270.6	4178639	0.55, 41786	0.76521	0.78388	147.71702	61.52416	22.46264	14.29709	1.15065E-10	7.41E-13	1.16E-10	2.22E-08	5.81E-11	2.23E-08	3.38E-09	2.12E-11	3.4E-09	3.57E-14	1.08E-13	6.25E-14	9.11E-15	2.2E-13	1.21E-14	2.41371E-13	3.181E-06	2.227E-08	3.4E-09	2.96971E-14	3.20729E-14	1.82434E-14	6.56764E-15
580	571310.6	4178639	0.55, 41786	0.67814	0.70066	136.41117	59.8434	17.34958	13.40052	1.01973E-10	6.62E-13	1.03E-10	2.05E-08	5.65E-11	2.06E-08	2.61E-09	1.64E-11	2.63E-09	3.17E-14	9.56E-14	5.54E-14	8.08E-15	1.95E-13	1.08E-14	2.13918E-13	2.938E-06	2.0569E-08	2.63E-09	2.63195E-14	2.8425E-14	1.61685E-14	5.82065E-15
581	571350.6	4178639	0.55, 41786	0.60279	0.6273	124.67819	56.4143	15.58477	12.33978	9.06422E-11	5.93E-13	9.12E-11	1.87E-08	5.33E-11	1.88E-08	2.34E-09	1.47E-11	2.36E-09	2.82E-14	8.5E-14	4.92E-14	7.18E-15	1.73E-13	9.57E-15	1.90158E-13	2.686E-06	1.8801E-08	2.36E-09	2.33961E-14	2.52678E-14	1.43726E-14	5.17414E-15
582	571390.6	4178639	0.55, 41786	0.54567	0.56561	134.64293	53.30447	19.4501	11.04071	8.2053E-11	5.34E-13	8.26E-11	2.02E-08	5.04E-11	2.03E-08	2.92E-09	1.84E-11	2.94E-09	2.55E-14	7.69E-14	4.45E-14	6.5E-15	1.57E-13	8.66E-15	1.72134E-13	2.9E-06	2.0297E-08	2.94E-09	2.11786E-14	2.28729E-14	1.30103E-14	4.68373E-15
583	571430.6	4178639	0.55, 41786	0.50035	0.51255	147.79016	50.85435	20.77571	9.97795	7.52381E-11	4.84E-13	7.57E-11	2.22E-08	4.81E-11	2.23E-08	3.12E-09	1.96E-11	3.14E-09	2.34E-14	7.06E-14	4.08E-14	5.96E-15	1.44E-13	7.94E-15	1.57826E-13	3.182E-06	2.2271E-08	3.14E-09	1.94181E-14	2.09716E-14	1.19289E-14	4.2944E-15
584	571470.6	4178639	0.55, 41786	0.45884	0.46513	118.76181	47.03177	16.94782	8.9119	6.89962E-11	4.40E-13	6.94E-11	1.79E-08	4.44E-11	1.79E-08	2.55E-09	1.60E-11	2.56E-09	2.14E-14	6.47E-14	3.75E-14	5.46E-15	1.32E-13	7.28E-15	1.44722E-13	2.558E-06	1.7903E-08	2.56E-09	1.7806E-14	1.92305E-14	1.09385E-14	3.93786E-15
585	571510.6	4178639	0.55, 41786	0.41516	0.4204	105.04191	43.02213	15.00599	7.61313	6.2428E-11	3.97E-13	6.28E-11	1.58E-08	4.07E-11	1.58E-08	2.26E-09	1.42E-11	2.27E-09	1.94E-14	5.85E-14	3.39E-14	4.94E-15	1.19E-13	6.59E-15	1.30944E-13	2.262E-06	1.5836E-08	2.27E-09	1.61108E-14	1.73997E-14	9.89713E-15	3.56297E-15
586	571550.6	4178639	0.55, 41786	0.37489	0.38245	101.59712	41.64808	13.25702	7.0054	5.63726E-11	3.61E-13	5.67E-11	1.53E-08	3.94E-11	1.53E-08	1.99E-09	1.25E-11	2.01E-09	1.75E-14	5.29E-14	3.06E-14	4.46E-15	1.08E-13	5.95E-15	1.18249E-13	2.188E-06	1.5317E-08	2.01E-09	1.45488E-14	1.57127E-14	8.93755E-15	3.21752E-15
587	571590.6	4178639	0.55, 41786	0.33863	0.34937	106.83121	40.48294	14.45913	6.53587	5.09201E-11	3.30E-13	5.13E-11	1.61E-08	3.83E-11	1.61E-08	2.17E-09	1.37E-11	2.19E-09	1.58E-14	4.78E-14	2.76E-14	4.03E-15	9.74E-14	5.37E-15	1.06819E-13	2.3E-06	1.6103E-08	2.19E-09	1.31425E-14	1.41939E-14	8.07367E-15	2.90652E-15
588	570310.6	4178679	0.55, 41786	0.10291	0.0869	88.39628	30.98258	11.04953	4.21243	1.54747E-11	8.21E-14	1.56E-11	1.33E-08	2.93E-11	1.33E-08	1.66E-09	1.04E-11	1.67E-09	4.8E-15	1.45E-14	8.39E-15	1.22E-15	2.96E-14	1.63E-15	3.24245E-14	1.903E-06	1.3322E-08	1.67E-09	3.98936E-15	4.30851E-15	2.45073E-15	8.82262E-16
589	570350.6	4178679	0.55, 41786	0.11574	0.09888	93.23081	33.32166	11.65385	4.76024	1.74039E-11	9.34E-14	1.75E-11	1.4E-08	3.15E-11	1.41E-08	1.75E-09	1.10E-11	1.76E-09	5.4E-15	1.63E-14	9.44E-15	1.38E-15	3.33E-14	1.83E-15	3.64692E-14	2.007E-06	1.4051E-08	1.76E-09	4.487E-15	4.84596E-15	2.75644E-15	9.92317E-16
590	570390.6	4178679	0.55, 41786	0.13137	0.11361	99.39798	36.831	12.42475	5.26157	1.97542E-11	1.07E-13	1.99E-11	1.49E-08	3.48E-11	1.5E-08	1.87E-09	1.17E-11	1.88E-09	6.13E-15	1.85E-14	1.07E-14	1.56E-15	3.78E-14	2.08E-15	4.13968E-14	2.14E-06	1.4981E-08	1.88E-09	5.09327E-15	5.50074E-15	3.12888E-15	1.1264E-15
591	570430.6	4178679	0.55, 41786	0.15074	0.13191	105.99103	39.73692	13.24888	5.6767	2.26669E-11	1.25E-13	2.28E-11	1.59E-08	3.75E-11	1.6E-08	1.99E-09	1.25E-11	2E-09	7.03E-15	2.12E-14	1.23E-14	1.79E-15	4.33E-14	2.39E-15	4.75037E-14	2.282E-06	1.5976E-08	2E-09	5.84463E-15	6.3122E-15	3.59045E-15	1.29256E-15
592	570470.6	4178679	0.55, 41786	0.17494	0.15487	121.69462	47.75873	15.21183	5.96984	2.63059E-11	1.46E-13	2.65E-11	1.83E-08	4.51E-11	1.83E-08	2.29E-09	1.44E-11	2.3E-09	8.16E-15	2.46E-14	1.43E-14	2.08E-15	5.03E-14	2.77E-15	5.51335E-14	2.621E-06	1.8344E-08	2.3E-09	6.78337E-15	7.32604E-15	4.16714E-15	1.50017E-15
593	570510.6	4178679	0.55, 41786	0.2057	0.18414	135.37794	56.46386	16.92224	7.12807	3.09313E-11	1.74E-13	3.11E-11	2.04E-08	5.34E-11	2.04E-08	2.54E-09	1.60E-11	2.56E-09	9.6E-15	2.9E-14	1.68E-14	2.45E-15	5.91E-14	3.26E-15	6.48317E-14	2.916E-06	2.041E-08	2.56E-09	7.9766E-15	8.61473E-15	4.90015E-15	1.76406E-15
594	570550.6	4178679	0.55, 41786	0.2434	0.22078	142.10791	62.60325	17.76349	9.55219	3.66003E-11	2.09E-13	3.68E-11	2.14E-08	5.92E-11	2.14E-08	2.67E-09	1.68E-11	2.69E-09	1.14E-14	3.43E-14	1.99E-14	2.9E-15	7E-14	3.86E-15	7.67195E-14	3.061E-06	2.1428E-08	2.69E-09	9.43922E-15	1.01944E-14	5.79867E-15	2.08752E-15
595	570590.6	4178679	0.55, 41786	0.29132	0.2684	157.44437	70.02377	21.20731	12.01595	4.38061E-11	2.54E-13	4.41E-11	2.37E-08	6.62E-11	2.37E-08	3.19E-09	2.00E-11	3.21E-09	1.36E-14	4.11E-14	2.38E-14	3.47E-15	8.37E-14	4.62E-15	9.18321E-14	3.392E-06	2.3741E-08	3.21E-09	1.12986E-14	1.22025E-14	6.94091E-15	2.49873E-15
596	570630.6	4178679	0.55, 41786	0.34871	0.32823	170.78411	74.6949	24.39773	14.09383	5.24359E-11	3.10E-13	5.27E-11	2.57E-08	7.06E-11	2.58E-08	3.67E-09	2.31E-11	3.69E-09	1.63E-14	4.91E-14	2.84E-14	4.15E-15	1E-13	5.53E-15	1.09937E-13	3.679E-06	2.5752E-08	3.69E-09	1.35261E-14	1.46082E-14	8.30931E-15	2.99135E-15
597	570670.6	4178679	0.55, 41786	0.41782	0.40379	181.29369	80.27499	25.8991	15.99045	6.2828E-11	3.82E-13	6.32E-11	2.73E-08	7.59E-11	2.73E-08	3.89E-09	2.45E-11	3.92E-09	1.95E-14	5.89E-14	3.41E-14	4.97E-15	1.2E-13	6.63E-15	1.31745E-13	3.905E-06	2.7337E-08	3.92E-09	1.62094E-14	1.75061E-14	9.95767E-15	3.58476E-15
598	570710.6	4178679	0.55, 41786	0.49876	0.49687	185.88712	90.92914	26.5553	19.21501	7.49991E-11	4.70E-13	7.55E-11	2.8E-08	8.59E-11	2.8E-08	3.99E-09	2.51E-11	4.02E-09	2.33E-14	7.03E-14	4.07E-14	5.94E-15	1.43E-13	7.91E-15	1.57296E-13	4.005E-06	2.8038E-08	4.02E-09	1.9353E-14	2.09013E-14	1.18889E-14	4.28E-15
599	570750.6	4178679	0.55, 41786	0.59336	0.60818	195.07014	97.11431	27.40212	20.89244	8.92242E-11	5.75E-13	8.98E-11	2.93E-08	9.18E-11	2.94E-08	4.12E-09	2.59E-11	4.15E-09	2.77E-14	8.37E-14	4.84E-14	7.07E-15	1.71E-13	9.42E-15	1.87164E-13	4.204E-06	2.9425E-08	4.15E-09	2.30279E-14	2.48701E-14	1.41464E-14	5.0927E-15
600	570790.6	4178679	0.55, 41786	0.71288	0.74367	232.56486	100.08812	29.70634	25.09865	1.07197E-10	7.03E-13	1.08E-10	3.5E-08	9.46E-11	3.51E-08	4.47E-09	2.81E-11	4.5E-09	3.33E-14	1.01E-13	5.82E-14	8.49E-15	2.05E-13	1.13E-14	2.2489E-13	5.009E-06	3.5066E-08	4.5E-09	2.76695E-14	2.98831E-14	1.69978E-14	6.11922E-15
601	570830.6	4178679	0.55, 41786	0.82835	0.8948	250.25968	113.32691	36.36599	33.16876	1.2456E-10	8.46E-13	1.25E-10	3.76E-08	1.07E-10	3.77E-08	5.47E-09	3.44E-11	5.5E-09	3.87E-14	1.17E-13	6.76E-14	9.87E-15	2.38E-13	1.31E-14	2.61378E-13	5.391E-06	3.7739E-08	5.5E-09	3.21587E-14	3.47314E-14	1.97556E-14	7.11203E-15
602	570870.6	4178679	0.55, 41786	0.92801	1.04065	269.45277	158.88347	39.41339	35.15016	1.39546E-10	9.83E-13	1.41E-10	4.05E-08	1.50E-10	4.07E-08	5.93E-09	3.72E-11	5.96E-09	4.34E-14	1.31E-13	7.58E-14	1.11E-14	2.67E-13	1.47E-14	2.929E-13	5.81E-06	4.0668E-08	5.96E-09	3.60371E-14	3.892E-14	2.21382E-14	7.96974E-15
603	570910.6	4178679	0.55, 41786	1.03394	1.13081	259.70616	144.94226	42.20689	35.5523	1.55475E-10	1.07E-12	1.57E-10	3.91E-08	1.37E-10	3.92E-08	6.35E-09	3.99E-11	6.39E-09	4.83E-14	1.46E-13	8.44E-14	1.23E-14	2.98E-13	1.64E-14	3.26277E-13	5.598E-06	3.9189E-08	6.39E-09	4.01437E-14	4.33552E-14	2.46609E-14	8.87793E-15
604	570950.6	4178679	0.55, 41786	1.05684	1.13643	242.80014	123.49716	39.92153	30.15323	1.58918E-10	1.07E-12	1.6E-10	3.65E-08	1.17E-10	3.66E-08	6E-09	3.77E-11	6.04E-09	4.94E-14	1.49E-13	8.63E-14	1.26E-14	3.04E-13	1.68E-14	3.33465E-13	5.232E-06	3.6627E-08	6.04E-09	4.10281E-14	4.43103E-14	2.52042E-14	9.07352E-15
605	570990.6	4178679	0.55, 41786	1.01802	1.09421	255.86386	105.93706	37.15781	26.85338	1.53081E-10	1.03E-12	1.54E-10	3.85E-08	1.00E-10	3.86E-08	5.59E-09	3.51E-11	5.62E-09	4.76E-14	1.44E-13	8.31E-14	1.21E-14	2.93E-13	1.62E-14	3.21216E-13	5.511E-06	3.8575E-08	5.62E-09	3.95209E-14	4.26826E-14	2.42783E-14	8.7402E-15
606	571030.6	4178679	0.55, 41786	0.98373	1.03259	224.24787	96.85684	32.03518	21.71644	1.47924E-10	9.76E-13	1.49E-10	3.37E-08	9.15E-11	3.38E-08	4.82E-09	3.03E-11	4.85E-09	4.59E-14	1.39E-13	8.03E-14	1.17E-14	2.83E-13	1.56E-14	3.10347E-13	4.83E-06	3.3812E-08	4.85E-09	3.81837E-14	4.12384E-14	2.34569E-14	8.44448E-15
607	571070.6	4178679	0.55, 41786	0.92088	0.95493	234.21131	81.25508	29.84103	18.74017	1.38474E-10	9.02E-13	1.39E-10	3.52E-08	7.68E-11	3.53E-08	4.49E-09	2.82E-11	4.52E-09	4.3E-14	1.3E-13	7.52E-14	1.1E-14	2.65E-13	1.46E-14	2.90496E-13	5.042E-06	3.5295E-08	4.52E-09	3.57414E-14	3.86007E-14	2.19565E-14	7.90434E-15
608	571110.6	4178679	0.55, 41786	0.85296	0.87816	249.82687	76.90023	32.83771	18.41049	1.2826E-10	8.30E-13	1.29E-10	3.76E-08	7.27E-11	3.76E-08	4.94E-09	3.10E-11	4.97E-09	3.98E-14	1.2E-13	6.96E-14	1.02E-14	2.45E-13	1.35E-14	2.69058E-13	5.377E-06	3.7639E-08	4.97E-09	3.31037E-14	3.5752E-14	2.03361E-14	7.32101E-15
609	571150.6	4178679	0.55, 41786	0.78449	0.80428	184.12399	71.8753	26.94504	17.68151	1.17965E-10	7.60E-13	1.19E-10	2.77E-08	6.79E-11	2.78E-08	4.05E-09	2.55E-11	4.08E-09	3.66E-14	1.11E-13	6.4E-14	9.34E-15	2.26E-13	1.24E-14	2.47453E-13	3.965E-06	2.7755E-08	4.08E-09	3.04455E-14	3.28812E-14	1.87032E-14	6.73315E-15
610	571190.6	4178679	0.55, 41786	0.70872	0.73542	192.12547	69.23049	27.25383	16.04767	1.06571E-10	6.95E-13	1.07E-10	2.89E-08	6.54E-11	2.9E-08	4.1E-09	2.58E-11	4.12E-09	3.31E-14	9.99E-14	5.79E-14	8.44E-15	2.04E-13	1.12E-14	2.2357E-13	4.137E-06	2.8956E-08	4.12E-09	2.75071E-14	2.97077E-14	1.6898E-14	6.0833E-15
611	571230.6	4178679	0.55, 41786	0.64141	0.6715	152.95792	62.82263	21.78847	14.44714	9.64495E-11	6.35E-13	9.71E-11	2.3E-08	5.94E-11	2.31E-08	3.28E-09	2.06E-11	3.3E-09	3E-14	9.05E-14	5.24E-14	7.64E-15	1.85E-13	1.02E-14	2.02349E-13	3.294E-06	2.306E-08	3.3E-09	2.48961E-14	2.68877E-14	1.52941E-14	5.50586E-15
612	571270.6	4178679	0.55, 41786	0.5854	0.61191	124.65244	57.66905	20.54509	12.75642	8.80272E-11	5.78E-13	8.86E-11	1.87E-08	5.45E-11	1.88E-08	3.09E-09	1.94E-11	3.11E-09	2.73E-14	8.26E-14	4.78E-14	6.97E-15	1.68E-13	9.29E-15	1.84677E-13	2.686E-06	1.8799E-08	3.11E-09	2.27218E-14	2.45396E-14	1.39584E-14	5.02502E-15
613	571310.6	4178679	0.55, 41786	0.53447	0.5582	125.80787	55.1913	17.97255	11.70277	8.03688E-11	5.27E-13	8.09E-11	1.89E-08	5.22E-11	1.9E-08	2.7E-09	1.70E-11	2.72E-09	2.5E-14	7.54E-14	4.36E-14	6.37E-15	1.54E-13	8.48E-15	1.68609E-13	2.71E-06	1.897E-08	2.72E-09	2.07449E-14	2.24045E-14	1.27439E-14	4.58782E-15
614	571350.6	4178679	0.55, 41786	0.48504	0.50906	111.39997	53.56601	13.925	11.19981	7.2936E-11	4.81E-13	7.34E-11	1.68E-08	5.06E-11	1.68E-08	2.09E-09	1.32E-11	2.11E-09	2.27E-14	6.84E-14	3.96E-14	5.78E-15	1.4E-13	7.7E-15	1.5302E-13	2.4E-06	1.6802E-08	2.11E-09	1.88269E-14	2.03331E-14	1.15657E-14	4.16365E-15
615	571390.6	4178679	0.55, 41786	0.44312	0.4655	107.51836	51.27371	13.43979	10.40254	6.66324E-11	4.40E-13	6.71E-11	1.62E-08	4.84E-11	1.62E-08	2.02E-09	1.27E-11	2.03E-09	2.07E-14	6.25E-14	3.62E-14	5.28E-15	1.27E-13	7.03E-15	1.39796E-13	2.317E-06	1.6216E-08	2.03E-09	1.71999E-14	1.85759E-14	1.05662E-14	3.80382E-15
616	571430.6	4178679	0.55, 41786	0.41031	0.42684	122.12368	48.88835	17.23844	9.36082	6.16987E-11	4.03E-13	6.21E-11	1.84E-08	4.62E-11	1.84E-08	2.59E-09	1.63E-11	2.61E-09	1.92E-14	5.79E-14	3.35E-14	4.89E-15	1.18E-13	6.51E-15	1.29437E-13	2.63E-06	1.841E-08	2.61E-09	1.59254E-14	1.71994E-14	9.7832E-15	3.52195E-15
617	571470.6	4178679	0.55, 41786	0.38401	0.39267	130.83453	46.56818	18.03085	8.50414	5.7744E-11	3.71E-13	5.81E-11	1.97E-08	4.40E-11	1.97E-08	2.71E-09	1.70E-11	2.73E-09	1.79E-14	5.41E-14	3.13E-14	4.57E-15	1.1E-13	6.09E-15	1.21127E-13	2.817E-06	1.9718E-08	2.73E-09	1.49029E-14	1.60952E-14	9.15511E-15	3.29584E-15
618	571510.6	4178679	0.55, 41786	0.35733	0.36026	104.69184	43.30646	14.57371	7.68103	5.37321E-11	3.40E-13	5.41E-11	1.57E-08	4.09E-11	1.58E-08	2.19E-09	1.38E-11	2.21E-09	1.67E-14	5.04E-14	2.92E-14	4.25E-15	1.03E-13	5.67E-15	1.12701E-13	2.255E-06	1.5784E-08	2.21E-09	1.38663E-14	1.49756E-14	8.51827E-15	3.06658E-15
619	571550.6	4178679	0.55, 41786	0.32923	0.33046	93.91251	40.06683	13.41607	6.60436	4.95067E-11	3.12E-13	4.98E-11	1.41E-08	3.79E-11	1.42E-08	2.02E-09	1.27E-11	2.03E-09	1.54E-14	4.64E-14	2.69E-14	3.92E-15	9.47E-14	5.22E-15	1.03836E-13	2.023E-06	1.416E-08	2.03E-09	1.27755E-14	1.37975E-14	7.84819E-15	2.82535E-15
620	571590.6	4178679	0.55, 41786	0.30119	0.30402	90.51235	37.8645	11.49242	5.95997	4.52903E-11	2.87E-13	4.56E-11	1.36E-08	3.58E-11	1.36E-08	1.73E-09	1.09E-11	1.74E-09	1.41E-14	4.25E-14	2.46E-14	3.59E-15	8.66E-14	4.78E-15	9.49956E-14	1.949E-06	1.3646E-08	1.74E-09	1.16878E-14	1.26229E-14	7.18002E-15	2.58481E-15
621	570310.6	4178719	0.55, 41787	0.10285	0.08839	86.08959	31.99227	10.7612	4.57032	1.54657E-11	8.35E-14	1.55E-11	1.29E-08	3.02E-11	1.3E-08	1.62E-09	1.02E-11	1.63E-09	4.8E-15	1.45E-14	8.39E-15	1.22E-15	2.96E-14	1.63E-15	3.24086E-14	1.854E-06	1.2976E-08	1.63E-09	3.98741E-15	4.3064E-15	2.44953E-15	8.8183E-16
622	570350.6	4178719	0.55, 41787	0.11563	0.10049	90.6137	34.18211	11.32671	4.88316	1.73874E-11	9.50E-14	1.75E-11	1.36E-08	3.23E-11	1.37E-08	1.7E-09	1.07E-11	1.71E-09	5.39E-15	1.63E-14	9.43E-15	1.38E-15	3.32E-14	1.83E-15	3.64378E-14	1.951E-06	1.3658E-08	1.71E-09	4.48315E-15	4.8418E-15	2.75407E-15	9.91465E-16
623	570390.6	4178719	0.55, 41787	0.13114	0.11521	102.01088	38.97546	12.75136	5.08393	1.97197E-11	1.09E-13	1.98E-11	1.53E-08	3.68E-11	1.54E-08	1.92E-09	1.20E-11	1.93E-09	6.12E-15	1.85E-14	1.07E-14	1.56E-15	3.77E-14	2.08E-15	4.13279E-14	2.197E-06	1.5376E-08	1.93E-09	5.08479E-15	5.49158E-15	3.12367E-15	1.12452E-15
624	570430.6	4178719	0.55, 41787	0.15	0.13322	114.28488	46.41789	14.28561	5.80224	2.25557E-11	1.26E-13	2.27E-11	1.72E-08	4.39E-11	1.72E-08	2.15E-09	1.35E-11	2.16E-09	7E-15	2.11E-14	1.22E-14	1.78E-15	4.31E-14	2.38E-15	4.72743E-14	2.461E-06	1.7229E-08	2.16E-09	5.81642E-15	6.28173E-15	3.57312E-15	1.28632E-15
625	570470.6	4178719	0.55, 41787	0.17288	0.1553	122.16306	52.59309	15.27038	6.67803	2.59961E-11	1.47E-13	2.61E-11	1.84E-08	4.97E-11	1.84E-08	2.3E-09	1.44E-11	2.31E-09	8.07E-15	2.44E-14	1.41E-14	2.06E-15	4.97E-14	2.74E-15	5.44887E-14	2.631E-06	1.8419E-08	2.31E-09	6.70404E-15	7.24036E-15	4.1184E-15	1.48262E-15
626	570510.6	4178719	0.55, 41787	0.1999	0.18201	126.87173	56.8638	15.85897	8.56143	3.00592E-11	1.72E-13	3.02E-11	1.91E-08	5.37E-11	1.91E-08	2.38E-09	1.50E-11	2.4E-09	9.33E-15	2.82E-14	1.63E-14	2.38E-15	5.75E-14	3.17E-15	6.30097E-14	2.733E-06	1.9132E-08	2.4E-09	7.75243E-15	8.37262E-15	4.76244E-15	1.71448E-15
627	570550.6	4178719	0.55, 41787	0.2328	0.21534	141.7684	62.68438	19.27806	10.36338	3.50064E-11	2.03E-13	3.52E-11	2.13E-08	5.92E-11	2.14E-08	2.9E-09	1.82E-11	2.92E-09	1.09E-14	3.28E-14	1.9E-14	2.77E-15	6.69E-14	3.69E-15	7.33866E-14	3.054E-06	2.1377E-08	2.92E-09	9.02916E-15	9.75149E-15	5.54676E-15	1.99683E-15
628	570590.6	4178719	0.55, 41787	0.2704	0.25529	152.6333	65.86327	21.80476	11.76563	4.06603E-11	2.41E-13	4.09E-11	2.3E-08	6.22E-11	2.3E-08	3.28E-09	2.06E-11	3.3E-09	1.26E-14	3.81E-14	2.21E-14	3.22E-15	7.77E-14	4.29E-15	8.52496E-14	3.288E-06	2.3014E-08	3.3E-09	1.04887E-14	1.13278E-14	6.4434E-15	2.31962E-15
629	570630.6	4178719	0.55, 41787	0.31352	0.30328	160.25221	70.5161	22.89317	12.52474	4.71443E-11	2.87E-13	4.74E-11	2.41E-08	6.66E-11	2.42E-08	3.44E-09	2.16E-11	3.46E-09	1.46E-14	4.42E-14	2.56E-14	3.73E-15	9.02E-14	4.97E-15	9.88585E-14	3.452E-06	2.4164E-08	3.46E-09	1.21631E-14	1.31362E-14	7.47199E-15	2.68992E-15
630	570670.6	4178719	0.55, 41787	0.36149	0.3594	159.13882	79.23774	22.73412	14.05012	5.43576E-11	3.40E-13	5.47E-11	2.39E-08	7.49E-11	2.4E-08	3.42E-09	2.15E-11	3.44E-09	1.69E-14	5.1E-14	2.95E-14	4.3E-15	1.04E-13	5.74E-15	1.14003E-13	3.429E-06	2.4005E-08	3.44E-09	1.40265E-14	1.51486E-14	8.61669E-15	3.10201E-15
631	570710.6	4178719	0.55, 41787	0.41184	0.42167	168.39934	82.78202	23.84947	15.22445	6.19288E-11	3.98E-13	6.23E-11	2.53E-08	7.82E-11	2.54E-08	3.59E-09	2.25E-11	3.61E-09	1.92E-14	5.81E-14	3.36E-14	4.9E-15	1.18E-13	6.54E-15	1.29906E-13	3.629E-06	2.5401E-08	3.61E-09	1.59831E-14	1.72617E-14	9.81868E-15	3.53472E-15
632	570750.6	4178719	0.55, 41787	0.46631	0.48852	193.26616	81.97611	24.83922	16.78199	7.01195E-11	4.62E-13	7.06E-11	2.91E-08	7.75E-11	2.91E-08	3.74E-09	2.35E-11	3.76E-09	2.18E-14	6.58E-14	3.81E-14	5.55E-15	1.34E-13	7.4E-15	1.4711E-13	4.163E-06	2.9139E-08	3.76E-09	1.80997E-14	1.95477E-14	1.11189E-14	4.00282E-15
633	570790.6	4178719	0.55, 41787	0.5297	0.5627	208.56721	92.88706	26.09236	23.00092	7.96515E-11	5.32E-13	8.02E-11	3.14E-08	8.78E-11	3.15E-08	3.92E-09	2.47E-11	3.95E-09	2.47E-14	7.47E-14	4.32E-14	6.31E-15	1.52E-13	8.41E-15	1.67123E-13	4.493E-06	3.145E-08	3.95E-09	2.05621E-14	2.2207E-14	1.26316E-14	4.54738E-15
634	570830.6	4178719	0.55, 41787	0.58417	0.63922	206.25232	102.59816	28.9378	25.69667	8.78422E-11	6.04E-13	8.84E-11	3.1E-08	9.69E-11	3.11E-08	4.35E-09	2.73E-11	4.38E-09	2.73E-14	8.24E-14	4.77E-14	6.96E-15	1.68E-13	9.27E-15	1.84345E-13	4.444E-06	3.1111E-08	4.38E-09	2.2681E-14	2.44955E-14	1.39333E-14	5.01599E-15
635	570870.6	4178719	0.55, 41787	0.63384	0.71183	208.40577	136.85909	28.70976	24.7437	9.53112E-11	6.73E-13	9.6E-11	3.13E-08	1.29E-10	3.15E-08	4.32E-09	2.71E-11	4.34E-09	2.96E-14	8.94E-14	5.18E-14	7.55E-15	1.82E-13	1.01E-14	2.00056E-13	4.495E-06	3.1468E-08	4.34E-09	2.46139E-14	2.6583E-14	1.51207E-14	5.44346E-15
636	570910.6	4178719	0.55, 41787	0.68401	0.75343	211.07044	124.31957	30.70854	25.49482	1.02855E-10	7.12E-13	1.04E-10	3.17E-08	1.17E-10	3.19E-08	4.62E-09	2.90E-11	4.65E-09	3.2E-14	9.65E-14	5.59E-14	8.15E-15	1.97E-13	1.09E-14	2.15861E-13	4.551E-06	3.1856E-08	4.65E-09	2.65586E-14	2.86833E-14	1.63154E-14	5.87354E-15
637	570950.6	4178719	0.55, 41787	0.69007	0.76497	207.10313	108.18225	30.79195	24.65468	1.03767E-10	7.23E-13	1.04E-10	3.11E-08	1.02E-10	3.12E-08	4.63E-09	2.91E-11	4.66E-09	3.22E-14	9.74E-14	5.64E-14	8.22E-15	1.99E-13	1.1E-14	2.17783E-13	4.464E-06	3.1245E-08	4.66E-09	2.67951E-14	2.89387E-14	1.64607E-14	5.92584E-15
638	570990.6	4178719	0.55, 41787	0.68048	0.74999	206.58356	95.47159	32.17827	21.60129	1.02324E-10	7.09E-13	1.03E-10	3.11E-08	9.02E-11	3.12E-08	4.84E-09	3.04E-11	4.87E-09	3.18E-14	9.6E-14	5.56E-14	8.11E-15	1.96E-13	1.08E-14	2.14748E-13	4.451E-06	3.1154E-08	4.87E-09	2.64217E-14	2.85354E-14	1.62313E-14	5.84325E-15
639	571030.6	4178719	0.55, 41787	0.66194	0.72353	210.3532	86.11281	30.372	18.42489	9.95366E-11	6.84E-13	1E-10	3.16E-08	8.14E-11	3.17E-08	4.57E-09	2.87E-11	4.6E-09	3.09E-14	9.34E-14	5.41E-14	7.89E-15	1.9E-13	1.05E-14	2.08886E-13	4.53E-06	3.1712E-08	4.6E-09	2.57003E-14	2.77564E-14	1.57881E-14	5.68373E-15
640	571070.6	4178719	0.55, 41787	0.64029	0.68839	181.70859	76.31707	22.73215	15.52213	9.62811E-11	6.50E-13	9.69E-11	2.73E-08	7.21E-11	2.74E-08	3.42E-09	2.15E-11	3.44E-09	2.99E-14	9.03E-14	5.23E-14	7.63E-15	1.84E-13	1.02E-14	2.02031E-13	3.914E-06	2.7396E-08	3.44E-09	2.4857E-14	2.68455E-14	1.527E-14	5.49721E-15
641	571110.6	4178719	0.55, 41787	0.60626	0.64543	207.95149	70.27092	26.16426	14.32632	9.11639E-11	6.10E-13	9.18E-11	3.13E-08	6.64E-11	3.13E-08	3.93E-09	2.47E-11	3.96E-09	2.83E-14	8.55E-14	4.95E-14	7.22E-15	1.74E-13	9.62E-15	1.91281E-13	4.477E-06	3.1336E-08	3.96E-09	2.35343E-14	2.54171E-14	1.44575E-14	5.20471E-15
642	571150.6	4178719	0.55, 41787	0.57256	0.60327	200.64391	66.12781	25.68735	14.52342	8.60964E-11	5.70E-13	8.67E-11	3.02E-08	6.25E-11	3.02E-08	3.86E-09	2.43E-11	3.89E-09	2.67E-14	8.07E-14	4.67E-14	6.82E-15	1.65E-13	9.09E-15	1.80636E-13	4.319E-06	3.0234E-08	3.89E-09	2.22246E-14	2.40026E-14	1.36529E-14	4.91506E-15
643	571190.6	4178719	0.55, 41787	0.53842	0.56251	154.3512	63.9477	22.19645	14.00077	8.09628E-11	5.32E-13	8.15E-11	2.32E-08	6.04E-11	2.33E-08	3.34E-09	2.10E-11	3.36E-09	2.51E-14	7.59E-14	4.4E-14	6.41E-15	1.55E-13	8.55E-15	1.69856E-13	3.324E-06	2.327E-08	3.36E-09	2.08983E-14	2.25701E-14	1.28381E-14	4.62173E-15
644	571230.6	4178719	0.55, 41787	0.49735	0.52247	159.72675	60.41971	22.34048	12.75874	7.4787E-11	4.94E-13	7.53E-11	2.4E-08	5.71E-11	2.41E-08	3.36E-09	2.11E-11	3.38E-09	2.32E-14	7.01E-14	4.06E-14	5.92E-15	1.43E-13	7.89E-15	1.56905E-13	3.439E-06	2.4075E-08	3.38E-09	1.93049E-14	2.08493E-14	1.18593E-14	4.26935E-15
645	571270.6	4178719	0.55, 41787	0.45612	0.4836	144.14128	55.22387	20.17616	11.51496	6.85872E-11	4.57E-13	6.9E-11	2.17E-08	5.22E-11	2.17E-08	3.03E-09	1.91E-11	3.05E-09	2.13E-14	6.43E-14	3.72E-14	5.43E-15	1.31E-13	7.24E-15	1.43906E-13	3.104E-06	2.1727E-08	3.05E-09	1.77056E-14	1.9122E-14	1.08768E-14	3.91566E-15
646	571310.6	4178719	0.55, 41787	0.42006	0.44717	118.44349	52.26024	17.97136	10.56882	6.31649E-11	4.23E-13	6.36E-11	1.78E-08	4.94E-11	1.79E-08	2.7E-09	1.70E-11	2.72E-09	1.96E-14	5.92E-14	3.43E-14	5E-15	1.21E-13	6.67E-15	1.32533E-13	2.551E-06	1.786E-08	2.72E-09	1.63062E-14	1.76107E-14	1.00172E-14	3.60619E-15
647	571350.6	4178719	0.55, 41787	0.38785	0.41385	109.17018	50.24459	14.07795	10.0186	5.83214E-11	3.91E-13	5.87E-11	1.64E-08	4.75E-11	1.65E-08	2.12E-09	1.33E-11	2.13E-09	1.81E-14	5.47E-14	3.17E-14	4.62E-15	1.12E-13	6.16E-15	1.22372E-13	2.352E-06	1.6464E-08	2.13E-09	1.50561E-14	1.62606E-14	9.24922E-15	3.32972E-15
648	571390.6	4178719	0.55, 41787	0.35875	0.38356	87.70597	48.80309	10.96325	9.64341	5.39456E-11	3.62E-13	5.43E-11	1.32E-08	4.61E-11	1.32E-08	1.65E-09	1.04E-11	1.66E-09	1.68E-14	5.06E-14	2.93E-14	4.27E-15	1.03E-13	5.69E-15	1.13192E-13	1.891E-06	1.3235E-08	1.66E-09	1.39267E-14	1.50408E-14	8.55538E-15	3.07994E-15
649	571430.6	4178719	0.55, 41787	0.33385	0.35563	80.9107	47.09106	11.59229	8.99084	5.02014E-11	3.36E-13	5.05E-11	1.22E-08	4.45E-11	1.22E-08	1.74E-09	1.10E-11	1.75E-09	1.56E-14	4.71E-14	2.73E-14	3.98E-15	9.61E-14	5.3E-15	1.05333E-13	1.744E-06	1.2211E-08	1.75E-09	1.29597E-14	1.39965E-14	7.96137E-15	2.86609E-15
650	571470.6	4178719	0.55, 41787	0.31507	0.33052	111.40642	45.19171	15.57659	8.16367	4.73774E-11	3.12E-13	4.77E-11	1.68E-08	4.27E-11	1.68E-08	2.34E-09	1.47E-11	2.36E-09	1.47E-14	4.44E-14	2.57E-14	3.75E-15	9.06E-14	5E-15	9.9398E-14	2.399E-06	1.6795E-08	2.36E-09	1.22295E-14	1.32078E-14	7.51276E-15	2.70459E-15
651	571510.6	4178719	0.55, 41787	0.29891	0.30701	116.70467	43.07153	15.95519	7.46065	4.49474E-11	2.90E-13	4.52E-11	1.75E-08	4.07E-11	1.76E-08	2.4E-09	1.51E-11	2.41E-09	1.4E-14	4.21E-14	2.44E-14	3.56E-15	8.6E-14	4.74E-15	9.42869E-14	2.513E-06	1.759E-08	2.41E-09	1.16006E-14	1.25287E-14	7.12646E-15	2.56552E-15
652	571550.6	4178719	0.55, 41787	0.28299	0.28542	93.20798	40.2806	12.81909	6.80365	4.25535E-11	2.70E-13	4.28E-11	1.4E-08	3.81E-11	1.41E-08	1.93E-09	1.21E-11	1.94E-09	1.32E-14	3.99E-14	2.31E-14	3.37E-15	8.14E-14	4.49E-15	8.92548E-14	2.008E-06	1.4054E-08	1.94E-09	1.09815E-14	1.186E-14	6.74612E-15	2.4286E-15
653	571590.6	4178719	0.55, 41787	0.2649	0.26495	84.18961	37.57199	12.02709	5.93847	3.98333E-11	2.50E-13	4.01E-11	1.27E-08	3.55E-11	1.27E-08	1.81E-09	1.14E-11	1.82E-09	1.24E-14	3.73E-14	2.16E-14	3.15E-15	7.62E-14	4.2E-15	8.35449E-14	1.814E-06	1.2695E-08	1.82E-09	1.0279E-14	1.11013E-14	6.31455E-15	2.27324E-15
654	570310.6	4178759	0.55, 41787	0.10291	0.08971	86.89901	32.22927	10.86238	4.40505	1.54747E-11	8.48E-14	1.56E-11	1.31E-08	3.05E-11	1.31E-08	1.63E-09	1.03E-11	1.64E-09	4.8E-15	1.45E-14	8.39E-15	1.22E-15	2.96E-14	1.63E-15	3.243E-14	1.871E-06	1.3098E-08	1.64E-09	3.99004E-15	4.30924E-15	2.45115E-15	8.82413E-16
655	570350.6	4178759	0.55, 41787	0.11544	0.10167	97.89636	38.6449	12.23704	4.83061	1.73588E-11	9.61E-14	1.75E-11	1.47E-08	3.65E-11	1.48E-08	1.84E-09	1.16E-11	1.85E-09	5.39E-15	1.63E-14	9.41E-15	1.37E-15	3.32E-14	1.83E-15	3.63806E-14	2.108E-06	1.4757E-08	1.85E-09	4.47611E-15	4.8342E-15	2.74974E-15	9.89908E-16
656	570390.6	4178759	0.55, 41787	0.13027	0.11595	105.67733	44.34348	13.20967	5.54293	1.95888E-11	1.10E-13	1.97E-11	1.59E-08	4.19E-11	1.59E-08	1.99E-09	1.25E-11	2E-09	6.08E-15	1.84E-14	1.06E-14	1.55E-15	3.74E-14	2.07E-15	4.10567E-14	2.276E-06	1.5933E-08	2E-09	5.05143E-15	5.45554E-15	3.10317E-15	1.11714E-15
657	570430.6	4178759	0.55, 41787	0.14773	0.133	109.21499	48.49986	13.65187	6.24447	2.22143E-11	1.26E-13	2.23E-11	1.64E-08	4.58E-11	1.65E-08	2.05E-09	1.29E-11	2.07E-09	6.89E-15	2.08E-14	1.2E-14	1.76E-15	4.25E-14	2.34E-15	4.65624E-14	2.353E-06	1.6469E-08	2.07E-09	5.72883E-15	6.18714E-15	3.51931E-15	1.26695E-15
658	570470.6	4178759	0.55, 41787	0.16767	0.15301	117.79795	52.53636	14.72474	7.71399	2.52127E-11	1.45E-13	2.54E-11	1.77E-08	4.96E-11	1.78E-08	2.21E-09	1.39E-11	2.23E-09	7.82E-15	2.36E-14	1.37E-14	2E-15	4.82E-14	2.66E-15	5.28513E-14	2.538E-06	1.7763E-08	2.23E-09	6.50258E-15	7.02279E-15	3.99464E-15	1.43807E-15
659	570510.6	4178759	0.55, 41787	0.191	0.17712	128.29828	56.17436	17.6792	9.03197	2.87209E-11	1.67E-13	2.89E-11	1.93E-08	5.31E-11	1.93E-08	2.66E-09	1.67E-11	2.68E-09	8.91E-15	2.69E-14	1.56E-14	2.27E-15	5.49E-14	3.03E-15	6.02107E-14	2.764E-06	1.9345E-08	2.68E-09	7.40805E-15	8.0007E-15	4.55089E-15	1.63832E-15
660	570550.6	4178759	0.55, 41787	0.21672	0.20498	137.63049	58.52483	19.6615	9.95092	3.25884E-11	1.94E-13	3.28E-11	2.07E-08	5.53E-11	2.08E-08	2.96E-09	1.86E-11	2.98E-09	1.01E-14	3.05E-14	1.77E-14	2.58E-15	6.23E-14	3.44E-15	6.83265E-14	2.964E-06	2.0751E-08	2.98E-09	8.40659E-15	9.07912E-15	5.1643E-15	1.85915E-15
661	570590.6	4178759	0.55, 41787	0.24504	0.23724	142.23889	62.68425	20.31984	10.25836	3.68469E-11	2.24E-13	3.71E-11	2.14E-08	5.92E-11	2.14E-08	3.06E-09	1.92E-11	3.07E-09	1.14E-14	3.45E-14	2E-14	2.92E-15	7.05E-14	3.89E-15	7.72659E-14	3.064E-06	2.1448E-08	3.07E-09	9.50645E-15	1.0267E-14	5.83997E-15	2.10239E-15
662	570630.6	4178759	0.55, 41787	0.27554	0.27375	139.19636	70.02218	19.61007	11.07526	4.14332E-11	2.59E-13	4.17E-11	2.09E-08	6.62E-11	2.1E-08	2.95E-09	1.85E-11	2.97E-09	1.29E-14	3.88E-14	2.25E-14	3.28E-15	7.92E-14	4.37E-15	8.68969E-14	3E-06	2.0997E-08	2.97E-09	1.06914E-14	1.15467E-14	6.5679E-15	2.36445E-15
663	570670.6	4178759	0.55, 41787	0.30614	0.31293	149.31547	72.47289	21.10931	12.07881	4.60346E-11	2.96E-13	4.63E-11	2.25E-08	6.85E-11	2.25E-08	3.17E-09	1.99E-11	3.19E-09	1.43E-14	4.32E-14	2.5E-14	3.65E-15	8.81E-14	4.86E-15	9.65645E-14	3.217E-06	2.2521E-08	3.19E-09	1.18809E-14	1.28313E-14	7.29861E-15	2.6275E-15
664	570710.6	4178759	0.55, 41787	0.33494	0.35231	164.794	71.08708	21.55176	13.08376	5.03653E-11	3.33E-13	5.07E-11	2.48E-08	6.72E-11	2.48E-08	3.24E-09	2.04E-11	3.26E-09	1.56E-14	4.72E-14	2.73E-14	3.99E-15	9.64E-14	5.32E-15	1.05668E-13	3.55E-06	2.4847E-08	3.26E-09	1.3001E-14	1.4041E-14	7.9867E-15	2.87521E-15
665	570750.6	4178759	0.55, 41787	0.36674	0.3924	179.38877	78.60477	22.4236	16.36841	5.51471E-11	3.71E-13	5.55E-11	2.7E-08	7.43E-11	2.7E-08	3.37E-09	2.12E-11	3.39E-09	1.71E-14	5.17E-14	2.99E-14	4.37E-15	1.06E-13	5.82E-15	1.15714E-13	3.864E-06	2.7049E-08	3.39E-09	1.42369E-14	1.53759E-14	8.74596E-15	3.14855E-15
666	570790.6	4178759	0.55, 41787	0.40357	0.43625	166.36606	82.34558	21.7564	19.87746	6.06852E-11	4.12E-13	6.11E-11	2.5E-08	7.78E-11	2.51E-08	3.27E-09	2.06E-11	3.29E-09	1.89E-14	5.69E-14	3.3E-14	4.81E-15	1.16E-13	6.41E-15	1.27343E-13	3.585E-06	2.5094E-08	3.29E-09	1.56677E-14	1.69212E-14	9.62494E-15	3.46498E-15
667	570830.6	4178759	0.55, 41787	0.43354	0.48203	188.6599	98.62945	24.95504	19.43466	6.51919E-11	4.55E-13	6.56E-11	2.84E-08	9.32E-11	2.85E-08	3.75E-09	2.36E-11	3.78E-09	2.03E-14	6.12E-14	3.54E-14	5.17E-15	1.25E-13	6.88E-15	1.36826E-13	4.066E-06	2.8462E-08	3.78E-09	1.68345E-14	1.81813E-14	1.03417E-14	3.72301E-15
668	570870.6	4178759	0.55, 41787	0.46387	0.52331	172.12292	120.25167	21.51536	18.67269	6.97526E-11	4.94E-13	7.02E-11	2.59E-08	1.14E-10	2.6E-08	3.24E-09	2.03E-11	3.26E-09	2.17E-14	6.55E-14	3.79E-14	5.53E-15	1.34E-13	7.37E-15	1.46413E-13	3.714E-06	2.5996E-08	3.26E-09	1.80141E-14	1.94552E-14	1.10663E-14	3.98388E-15
669	570910.6	4178759	0.55, 41787	0.49085	0.54778	176.15826	108.72169	23.43896	19.655	7.38096E-11	5.18E-13	7.43E-11	2.65E-08	1.03E-10	2.66E-08	3.52E-09	2.21E-11	3.55E-09	2.29E-14	6.93E-14	4.01E-14	5.85E-15	1.41E-13	7.79E-15	1.54918E-13	3.799E-06	2.6592E-08	3.55E-09	1.90604E-14	2.05852E-14	1.17091E-14	4.21527E-15
670	570950.6	4178759	0.55, 41787	0.48762	0.55475	180.46301	97.04885	24.36206	20.46933	7.33239E-11	5.24E-13	7.38E-11	2.71E-08	9.17E-11	2.72E-08	3.66E-09	2.30E-11	3.69E-09	2.28E-14	6.88E-14	3.98E-14	5.81E-15	1.4E-13	7.74E-15	1.53919E-13	3.89E-06	2.7228E-08	3.69E-09	1.89375E-14	2.04525E-14	1.16336E-14	4.1881E-15
671	570990.6	4178759	0.55, 41787	0.49051	0.55159	151.23194	87.28492	25.20532	17.38113	7.37585E-11	5.21E-13	7.43E-11	2.27E-08	8.25E-11	2.28E-08	3.79E-09	2.38E-11	3.81E-09	2.29E-14	6.92E-14	4.01E-14	5.84E-15	1.41E-13	7.79E-15	1.54819E-13	3.26E-06	2.2823E-08	3.81E-09	1.90482E-14	2.0572E-14	1.17016E-14	4.21258E-15
672	571030.6	4178759	0.55, 41787	0.48428	0.53663	187.58168	78.86438	28.06386	15.68835	7.28217E-11	5.07E-13	7.33E-11	2.82E-08	7.45E-11	2.83E-08	4.22E-09	2.65E-11	4.25E-09	2.26E-14	6.83E-14	3.96E-14	5.77E-15	1.39E-13	7.69E-15	1.52836E-13	4.04E-06	2.8281E-08	4.25E-09	1.88043E-14	2.03087E-14	1.15518E-14	4.15864E-15
673	571070.6	4178759	0.55, 41787	0.467	0.51625	163.79974	72.83551	22.54296	13.46245	7.02233E-11	4.88E-13	7.07E-11	2.46E-08	6.88E-11	2.47E-08	3.39E-09	2.13E-11	3.41E-09	2.18E-14	6.59E-14	3.81E-14	5.56E-15	1.34E-13	7.41E-15	1.47381E-13	3.529E-06	2.47E-08	3.41E-09	1.8133E-14	1.95837E-14	1.11394E-14	4.01019E-15
674	571110.6	4178759	0.55, 41787	0.44755	0.4933	157.0432	65.36033	19.63651	11.35189	6.72986E-11	4.66E-13	6.78E-11	2.36E-08	6.18E-11	2.37E-08	2.95E-09	1.86E-11	2.97E-09	2.09E-14	6.31E-14	3.66E-14	5.33E-15	1.29E-13	7.11E-15	1.41239E-13	3.382E-06	2.3677E-08	2.97E-09	1.73775E-14	1.87677E-14	1.06753E-14	3.84309E-15
675	571150.6	4178759	0.55, 41787	0.4302	0.46818	183.98767	62.14189	23.05685	11.54043	6.46896E-11	4.42E-13	6.51E-11	2.77E-08	5.87E-11	2.77E-08	3.47E-09	2.18E-11	3.49E-09	2.01E-14	6.07E-14	3.51E-14	5.13E-15	1.24E-13	6.83E-15	1.35752E-13	3.961E-06	2.7725E-08	3.49E-09	1.67023E-14	1.80385E-14	1.02605E-14	3.69379E-15
676	571190.6	4178759	0.55, 41787	0.41561	0.44245	166.33485	59.4631	21.02615	11.70076	6.24957E-11	4.18E-13	6.29E-11	2.5E-08	5.62E-11	2.51E-08	3.16E-09	1.99E-11	3.18E-09	1.94E-14	5.86E-14	3.39E-14	4.95E-15	1.2E-13	6.6E-15	1.31129E-13	3.581E-06	2.5068E-08	3.18E-09	1.61335E-14	1.74242E-14	9.91108E-15	3.56799E-15
677	571230.6	4178759	0.55, 41787	0.39577	0.41616	133.04594	57.55284	19.00656	11.25795	5.95123E-11	3.93E-13	5.99E-11	2E-08	5.44E-11	2.01E-08	2.86E-09	1.80E-11	2.88E-09	1.85E-14	5.58E-14	3.23E-14	4.71E-15	1.14E-13	6.28E-15	1.24859E-13	2.866E-06	2.0061E-08	2.88E-09	1.53621E-14	1.65911E-14	9.43718E-15	3.39739E-15
678	571270.6	4178759	0.55, 41787	0.36933	0.38979	133.93343	52.76944	18.49966	10.32502	5.55365E-11	3.68E-13	5.59E-11	2.01E-08	4.99E-11	2.02E-08	2.78E-09	1.75E-11	2.8E-09	1.73E-14	5.21E-14	3.02E-14	4.4E-15	1.06E-13	5.86E-15	1.1652E-13	2.884E-06	2.019E-08	2.8E-09	1.43361E-14	1.5483E-14	8.80693E-15	3.17049E-15
679	571310.6	4178759	0.55, 41787	0.3411	0.36413	131.1619	50.25063	18.11843	9.56125	5.12916E-11	3.44E-13	5.16E-11	1.97E-08	4.75E-11	1.98E-08	2.72E-09	1.71E-11	2.74E-09	1.59E-14	4.81E-14	2.79E-14	4.06E-15	9.81E-14	5.41E-15	1.07622E-13	2.824E-06	1.977E-08	2.74E-09	1.32414E-14	1.43007E-14	8.13438E-15	2.92838E-15
680	571350.6	4178759	0.55, 41787	0.31543	0.34037	103.20737	47.94128	14.62528	9.08266	4.74315E-11	3.22E-13	4.78E-11	1.55E-08	4.53E-11	1.56E-08	2.2E-09	1.38E-11	2.21E-09	1.47E-14	4.45E-14	2.58E-14	3.76E-15	9.08E-14	5.01E-15	9.95302E-14	2.224E-06	1.5565E-08	2.21E-09	1.22457E-14	1.32254E-14	7.52276E-15	2.70819E-15
681	571390.6	4178759	0.55, 41787	0.29206	0.31801	95.20975	46.26011	11.90122	8.7596	4.39174E-11	3.00E-13	4.42E-11	1.43E-08	4.37E-11	1.44E-08	1.79E-09	1.12E-11	1.8E-09	1.36E-14	4.12E-14	2.39E-14	3.48E-15	8.4E-14	4.64E-15	9.21617E-14	2.052E-06	1.4361E-08	1.8E-09	1.13392E-14	1.22463E-14	6.96583E-15	2.5077E-15
682	571430.6	4178759	0.55, 41787	0.27184	0.29676	65.82255	44.97926	8.48847	8.42183	4.08769E-11	2.80E-13	4.12E-11	9.9E-09	4.25E-11	9.94E-09	1.28E-09	8.02E-12	1.28E-09	1.27E-14	3.83E-14	2.22E-14	3.24E-15	7.82E-14	4.32E-15	8.57826E-14	1.42E-06	9.9403E-09	1.28E-09	1.05543E-14	1.13986E-14	6.48368E-15	2.33413E-15
683	571470.6	4178759	0.55, 41787	0.25781	0.27877	74.19853	43.62462	10.92817	7.8818	3.87672E-11	2.63E-13	3.9E-11	1.12E-08	4.12E-11	1.12E-08	1.64E-09	1.03E-11	1.65E-09	1.2E-14	3.64E-14	2.11E-14	3.07E-15	7.42E-14	4.09E-15	8.135E-14	1.6E-06	1.1199E-08	1.65E-09	1.00089E-14	1.08097E-14	6.14865E-15	2.21351E-15
684	571510.6	4178759	0.55, 41787	0.24715	0.26193	102.14842	42.0514	14.2101	7.23025	3.71642E-11	2.48E-13	3.74E-11	1.54E-08	3.97E-11	1.54E-08	2.14E-09	1.34E-11	2.15E-09	1.15E-14	3.49E-14	2.02E-14	2.94E-15	7.11E-14	3.92E-15	7.79759E-14	2.2E-06	1.54E-08	2.15E-09	9.5938E-15	1.03613E-14	5.89362E-15	2.1217E-15
685	571550.6	4178759	0.55, 41787	0.23772	0.24585	104.82233	40.15762	14.31586	6.66643	3.57462E-11	2.32E-13	3.6E-11	1.58E-08	3.79E-11	1.58E-08	2.15E-09	1.35E-11	2.17E-09	1.11E-14	3.35E-14	1.94E-14	2.83E-15	6.84E-14	3.77E-15	7.49887E-14	2.257E-06	1.58E-08	2.17E-09	9.22627E-15	9.96437E-15	5.66785E-15	2.04043E-15
686	571590.6	4178759	0.55, 41787	0.22808	0.23097	83.60184	37.747	11.46846	6.12919	3.42966E-11	2.18E-13	3.45E-11	1.26E-08	3.57E-11	1.26E-08	1.72E-09	1.08E-11	1.74E-09	1.07E-14	3.22E-14	1.86E-14	2.72E-15	6.56E-14	3.62E-15	7.19381E-14	1.801E-06	1.2607E-08	1.74E-09	8.85094E-15	9.55901E-15	5.43727E-15	1.95742E-15
687	570310.6	4178799	0.55, 41787	0.10253	0.09048	92.22772	37.68456	11.52846	4.71057	1.54175E-11	8.55E-14	1.55E-11	1.39E-08	3.56E-11	1.39E-08	1.73E-09	1.09E-11	1.74E-09	4.78E-15	1.44E-14	8.36E-15	1.22E-15	2.95E-14	1.63E-15	3.23124E-14	1.986E-06	1.3904E-08	1.74E-09	3.97557E-15	4.29362E-15	2.44226E-15	8.79213E-16
688	570350.6	4178799	0.55, 41787	0.11434	0.10195	96.42289	41.82094	12.05286	5.22762	1.71934E-11	9.63E-14	1.73E-11	1.45E-08	3.95E-11	1.45E-08	1.81E-09	1.14E-11	1.82E-09	5.34E-15	1.61E-14	9.33E-15	1.36E-15	3.29E-14	1.81E-15	3.60364E-14	2.077E-06	1.4539E-08	1.82E-09	4.43376E-15	4.78846E-15	2.72373E-15	9.80543E-16
689	570390.6	4178799	0.55, 41787	0.12785	0.11532	96.70849	44.28794	12.08856	5.83168	1.92249E-11	1.09E-13	1.93E-11	1.45E-08	4.18E-11	1.46E-08	1.82E-09	1.14E-11	1.83E-09	5.97E-15	1.8E-14	1.04E-14	1.52E-15	3.67E-14	2.03E-15	4.0297E-14	2.083E-06	1.4584E-08	1.83E-09	4.95795E-15	5.35459E-15	3.04575E-15	1.09647E-15
690	570430.6	4178799	0.55, 41787	0.14288	0.13064	109.4746	48.39009	13.83026	6.97525	2.1485E-11	1.23E-13	2.16E-11	1.65E-08	4.57E-11	1.65E-08	2.08E-09	1.31E-11	2.09E-09	6.67E-15	2.01E-14	1.17E-14	1.7E-15	4.11E-14	2.27E-15	4.50377E-14	2.358E-06	1.6508E-08	2.09E-09	5.54124E-15	5.98454E-15	3.40407E-15	1.22547E-15
691	570470.6	4178799	0.55, 41787	0.15993	0.14857	116.3647	50.80214	16.31235	7.92735	2.40488E-11	1.40E-13	2.42E-11	1.75E-08	4.80E-11	1.75E-08	2.45E-09	1.54E-11	2.47E-09	7.46E-15	2.25E-14	1.3E-14	1.9E-15	4.6E-14	2.54E-15	5.04167E-14	2.507E-06	1.7546E-08	2.47E-09	6.20305E-15	6.69929E-15	3.81063E-15	1.37183E-15
692	570510.6	4178799	0.55, 41787	0.17816	0.16871	124.77861	52.11481	17.82552	8.49382	2.67901E-11	1.59E-13	2.69E-11	1.88E-08	4.92E-11	1.88E-08	2.68E-09	1.68E-11	2.7E-09	8.32E-15	2.51E-14	1.45E-14	2.12E-15	5.12E-14	2.83E-15	5.61699E-14	2.687E-06	1.8812E-08	2.7E-09	6.91089E-15	7.46376E-15	4.24547E-15	1.52837E-15
693	570550.6	4178799	0.55, 41787	0.19752	0.19131	126.89522	56.18657	18.12789	8.51005	2.97013E-11	1.81E-13	2.99E-11	1.91E-08	5.31E-11	1.91E-08	2.73E-09	1.71E-11	2.74E-09	9.22E-15	2.78E-14	1.61E-14	2.35E-15	5.68E-14	3.13E-15	6.22821E-14	2.733E-06	1.9134E-08	2.74E-09	7.66291E-15	8.27594E-15	4.70745E-15	1.69468E-15
694	570590.6	4178799	0.55, 41787	0.21773	0.21627	122.68072	62.5324	17.14296	9.80776	3.27403E-11	2.04E-13	3.29E-11	1.84E-08	5.91E-11	1.85E-08	2.58E-09	1.62E-11	2.59E-09	1.02E-14	3.07E-14	1.78E-14	2.59E-15	6.26E-14	3.45E-15	6.86653E-14	2.644E-06	1.8507E-08	2.59E-09	8.44827E-15	9.12413E-15	5.18991E-15	1.86837E-15
695	570630.6	4178799	0.55, 41787	0.23771	0.24268	133.9153	64.36556	18.95021	10.72759	3.57447E-11	2.29E-13	3.6E-11	2.01E-08	6.08E-11	2.02E-08	2.85E-09	1.79E-11	2.87E-09	1.11E-14	3.35E-14	1.94E-14	2.83E-15	6.84E-14	3.77E-15	7.49793E-14	2.885E-06	2.0198E-08	2.87E-09	9.22512E-15	9.96313E-15	5.66714E-15	2.04017E-15
696	570670.6	4178799	0.55, 41787	0.25595	0.26895	141.94782	63.09907	19.13844	10.57117	3.84875E-11	2.54E-13	3.87E-11	2.13E-08	5.96E-11	2.14E-08	2.88E-09	1.81E-11	2.9E-09	1.2E-14	3.61E-14	2.09E-14	3.05E-15	7.36E-14	4.06E-15	8.07477E-14	3.058E-06	2.1404E-08	2.9E-09	9.93483E-15	1.07296E-14	6.10313E-15	2.19713E-15
697	570710.6	4178799	0.55, 41787	0.27273	0.29382	157.12572	66.69563	19.64072	11.93189	4.10107E-11	2.78E-13	4.13E-11	2.36E-08	6.30E-11	2.37E-08	2.95E-09	1.86E-11	2.97E-09	1.27E-14	3.85E-14	2.23E-14	3.25E-15	7.85E-14	4.33E-15	8.60558E-14	3.384E-06	2.369E-08	2.97E-09	1.05879E-14	1.14349E-14	6.50433E-15	2.34156E-15
698	570750.6	4178799	0.55, 41787	0.29355	0.31916	152.65771	72.44297	19.08221	15.18472	4.41414E-11	3.02E-13	4.44E-11	2.3E-08	6.85E-11	2.3E-08	2.87E-09	1.80E-11	2.89E-09	1.37E-14	4.14E-14	2.4E-14	3.5E-15	8.45E-14	4.66E-15	9.26309E-14	3.289E-06	2.3024E-08	2.89E-09	1.13969E-14	1.23086E-14	7.00129E-15	2.52047E-15
699	570790.6	4178799	0.55, 41787	0.31688	0.34759	157.73005	72.26845	20.13646	16.34526	4.76496E-11	3.28E-13	4.8E-11	2.37E-08	6.83E-11	2.38E-08	3.03E-09	1.90E-11	3.05E-09	1.48E-14	4.47E-14	2.59E-14	3.78E-15	9.12E-14	5.03E-15	9.99988E-14	3.398E-06	2.3786E-08	3.05E-09	1.23034E-14	1.32877E-14	7.55818E-15	2.72095E-15
700	570830.6	4178799	0.55, 41787	0.33524	0.37796	162.23746	94.66133	21.09567	14.73083	5.04104E-11	3.57E-13	5.08E-11	2.44E-08	8.94E-11	2.45E-08	3.17E-09	1.99E-11	3.19E-09	1.57E-14	4.73E-14	2.74E-14	3.99E-15	9.65E-14	5.32E-15	1.05813E-13	3.498E-06	2.4485E-08	3.19E-09	1.30187E-14	1.40602E-14	7.99762E-15	2.87914E-15
701	570870.6	4178799	0.55, 41787	0.35595	0.40358	158.80625	107.46352	19.85078	16.70272	5.35246E-11	3.81E-13	5.39E-11	2.39E-08	1.02E-10	2.4E-08	2.98E-09	1.88E-11	3E-09	1.66E-14	5.02E-14	2.91E-14	4.24E-15	1.02E-13	5.65E-15	1.12354E-13	3.426E-06	2.3981E-08	3E-09	1.38235E-14	1.49294E-14	8.49203E-15	3.05713E-15
702	570910.6	4178799	0.55, 41787	0.3676	0.41723	150.41188	96.98395	18.80149	15.72408	5.52764E-11	3.94E-13	5.57E-11	2.26E-08	9.16E-11	2.27E-08	2.83E-09	1.78E-11	2.84E-09	1.72E-14	5.19E-14	3E-14	4.38E-15	1.06E-13	5.84E-15	1.16032E-13	3.244E-06	2.2709E-08	2.84E-09	1.42761E-14	1.54182E-14	8.77003E-15	3.15721E-15
703	570950.6	4178799	0.55, 41787	0.34637	0.40141	159.46188	87.41269	19.93273	16.48069	5.2084E-11	3.79E-13	5.25E-11	2.4E-08	8.26E-11	2.41E-08	3E-09	1.88E-11	3.02E-09	1.62E-14	4.89E-14	2.83E-14	4.13E-15	9.97E-14	5.5E-15	1.09347E-13	3.437E-06	2.4061E-08	3.02E-09	1.34536E-14	1.45299E-14	8.26477E-15	2.97532E-15
704	570990.6	4178799	0.55, 41787	0.35579	0.40756	119.48057	79.68844	17.5796	14.60553	5.35005E-11	3.85E-13	5.39E-11	1.8E-08	7.53E-11	1.8E-08	2.64E-09	1.66E-11	2.66E-09	1.66E-14	5.02E-14	2.91E-14	4.24E-15	1.02E-13	5.65E-15	1.12312E-13	2.577E-06	1.8042E-08	2.66E-09	1.38183E-14	1.49238E-14	8.48883E-15	3.05598E-15
705	571030.6	4178799	0.55, 41787	0.37225	0.416	155.14917	72.93395	24.86673	12.948	5.59756E-11	3.93E-13	5.64E-11	2.33E-08	6.89E-11	2.34E-08	3.74E-09	2.35E-11	3.76E-09	1.74E-14	5.25E-14	3.04E-14	4.44E-15	1.07E-13	5.91E-15	1.17487E-13	3.343E-06	2.3399E-08	3.76E-09	1.44551E-14	1.56115E-14	8.88E-15	3.1968E-15
706	571070.6	4178799	0.55, 41787	0.3594	0.40135	158.59146	67.81733	22.65592	11.74555	5.40434E-11	3.79E-13	5.44E-11	2.38E-08	6.41E-11	2.39E-08	3.41E-09	2.14E-11	3.43E-09	1.68E-14	5.07E-14	2.94E-14	4.28E-15	1.03E-13	5.71E-15	1.13431E-13	3.416E-06	2.3912E-08	3.43E-09	1.3956E-14	1.50725E-14	8.57342E-15	3.08643E-15
707	571110.6	4178799	0.55, 41787	0.34191	0.38638	133.9595	62.41991	16.74494	10.40332	5.14134E-11	3.65E-13	5.18E-11	2.01E-08	5.90E-11	2.02E-08	2.52E-09	1.58E-11	2.53E-09	1.6E-14	4.82E-14	2.79E-14	4.07E-15	9.84E-14	5.43E-15	1.0792E-13	2.886E-06	2.0203E-08	2.53E-09	1.3278E-14	1.43402E-14	8.15688E-15	2.93648E-15
708	571150.6	4178799	0.55, 41787	0.32926	0.37153	140.52662	58.47073	17.56829	9.74512	4.95112E-11	3.51E-13	4.99E-11	2.11E-08	5.53E-11	2.12E-08	2.64E-09	1.66E-11	2.66E-09	1.54E-14	4.65E-14	2.69E-14	3.92E-15	9.48E-14	5.23E-15	1.03926E-13	3.027E-06	2.1186E-08	2.66E-09	1.27866E-14	1.38095E-14	7.85501E-15	2.8278E-15
709	571190.6	4178799	0.55, 41787	0.32393	0.35615	162.80337	55.99612	20.37225	9.46414	4.87097E-11	3.37E-13	4.9E-11	2.45E-08	5.29E-11	2.45E-08	3.06E-09	1.93E-11	3.08E-09	1.51E-14	4.57E-14	2.65E-14	3.86E-15	9.32E-14	5.14E-15	1.02225E-13	3.505E-06	2.4534E-08	3.08E-09	1.25773E-14	1.35835E-14	7.72646E-15	2.78153E-15
710	571230.6	4178799	0.55, 41787	0.31732	0.33876	141.0743	54.42569	17.72831	9.52966	4.77157E-11	3.20E-13	4.8E-11	2.12E-08	5.14E-11	2.13E-08	2.67E-09	1.68E-11	2.68E-09	1.48E-14	4.48E-14	2.59E-14	3.78E-15	9.13E-14	5.04E-15	1.00119E-13	3.038E-06	2.1265E-08	2.68E-09	1.23182E-14	1.33037E-14	7.56729E-15	2.72422E-15
711	571270.6	4178799	0.55, 41787	0.30415	0.32027	116.54381	51.24633	16.64912	9.13765	4.57354E-11	3.03E-13	4.6E-11	1.75E-08	4.84E-11	1.76E-08	2.5E-09	1.57E-11	2.52E-09	1.42E-14	4.29E-14	2.48E-14	3.62E-15	8.75E-14	4.83E-15	9.59553E-14	2.51E-06	1.7573E-08	2.52E-09	1.18059E-14	1.27504E-14	7.25256E-15	2.61092E-15
712	571310.6	4178799	0.55, 41787	0.28608	0.30211	111.77517	48.08718	15.28029	8.60329	4.30181E-11	2.85E-13	4.33E-11	1.68E-08	4.54E-11	1.69E-08	2.3E-09	1.44E-11	2.31E-09	1.34E-14	4.03E-14	2.34E-14	3.41E-15	8.23E-14	4.54E-15	9.02562E-14	2.408E-06	1.6853E-08	2.31E-09	1.11047E-14	1.19931E-14	6.8218E-15	2.45585E-15
713	571350.6	4178799	0.55, 41787	0.26522	0.28423	116.94553	46.1941	15.97517	8.23917	3.98814E-11	2.69E-13	4.01E-11	1.76E-08	4.36E-11	1.76E-08	2.4E-09	1.51E-11	2.42E-09	1.24E-14	3.74E-14	2.17E-14	3.16E-15	7.63E-14	4.21E-15	8.36832E-14	2.518E-06	1.7629E-08	2.42E-09	1.0296E-14	1.11197E-14	6.325E-15	2.277E-15
714	571390.6	4178799	0.55, 41787	0.24309	0.26586	101.64822	44.37475	13.96186	7.97488	3.65537E-11	2.51E-13	3.68E-11	1.53E-08	4.19E-11	1.53E-08	2.1E-09	1.32E-11	2.11E-09	1.14E-14	3.43E-14	1.99E-14	2.9E-15	7E-14	3.86E-15	7.67111E-14	2.19E-06	1.5327E-08	2.11E-09	9.43819E-15	1.01932E-14	5.79803E-15	2.08729E-15
715	571430.6	4178799	0.55, 41787	0.22645	0.25105	78.66707	42.96369	10.22882	7.75525	3.40515E-11	2.37E-13	3.43E-11	1.18E-08	4.06E-11	1.19E-08	1.54E-09	9.67E-12	1.55E-09	1.06E-14	3.19E-14	1.85E-14	2.7E-15	6.52E-14	3.6E-15	7.14668E-14	1.696E-06	1.187E-08	1.55E-09	8.79295E-15	9.49639E-15	5.40165E-15	1.94459E-15
716	571470.6	4178799	0.55, 41787	0.21325	0.23694	47.64153	41.84289	7.70461	7.45296	3.20666E-11	2.24E-13	3.23E-11	7.16E-09	3.95E-11	7.2E-09	1.16E-09	7.28E-12	1.17E-09	9.96E-15	3.01E-14	1.74E-14	2.54E-15	6.14E-14	3.39E-15	6.73019E-14	1.029E-06	7.2034E-09	1.17E-09	8.28053E-15	8.94297E-15	5.08686E-15	1.83127E-15
717	571510.6	4178799	0.55, 41787	0.20623	0.22585	71.44774	40.73398	10.29216	7.00806	3.1011E-11	2.13E-13	3.12E-11	1.07E-08	3.85E-11	1.08E-08	1.55E-09	9.73E-12	1.56E-09	9.64E-15	2.91E-14	1.68E-14	2.46E-15	5.93E-14	3.27E-15	6.50799E-14	1.54E-06	1.0782E-08	1.56E-09	8.00714E-15	8.64771E-15	4.91892E-15	1.77081E-15
718	571550.6	4178799	0.55, 41787	0.19818	0.21228	94.10249	39.35835	13.01678	6.4744	2.98005E-11	2.01E-13	3E-11	1.42E-08	3.72E-11	1.42E-08	1.96E-09	1.23E-11	1.97E-09	9.26E-15	2.8E-14	1.62E-14	2.36E-15	5.7E-14	3.15E-15	6.25302E-14	2.027E-06	1.4187E-08	1.97E-09	7.69344E-15	8.30891E-15	4.7262E-15	1.70143E-15
719	571590.6	4178799	0.55, 41787	0.19254	0.20073	94.76849	37.66806	12.95063	6.01952	2.89524E-11	1.90E-13	2.91E-11	1.43E-08	3.56E-11	1.43E-08	1.95E-09	1.22E-11	1.96E-09	8.99E-15	2.72E-14	1.57E-14	2.29E-15	5.54E-14	3.06E-15	6.07399E-14	2.041E-06	1.4286E-08	1.96E-09	7.47316E-15	8.07101E-15	4.59088E-15	1.65272E-15
720	570310.6	4178839	0.55, 41788	0.10118	0.0904	86.93136	38.98232	10.86642	4.87279	1.52145E-11	8.54E-14	1.53E-11	1.31E-08	3.68E-11	1.31E-08	1.63E-09	1.03E-11	1.64E-09	4.72E-15	1.43E-14	8.25E-15	1.2E-15	2.91E-14	1.6E-15	3.18892E-14	1.873E-06	1.3109E-08	1.64E-09	3.9235E-15	4.23738E-15	2.41027E-15	8.67697E-16
721	570350.6	4178839	0.55, 41788	0.1118	0.10104	92.10266	41.60712	11.51283	5.43734	1.68115E-11	9.55E-14	1.69E-11	1.38E-08	3.93E-11	1.39E-08	1.73E-09	1.09E-11	1.74E-09	5.22E-15	1.58E-14	9.12E-15	1.33E-15	3.21E-14	1.77E-15	3.52386E-14	1.984E-06	1.3889E-08	1.74E-09	4.33559E-15	4.68244E-15	2.66342E-15	9.58833E-16
722	570390.6	4178839	0.55, 41788	0.12335	0.11299	101.58992	44.39945	13.097	6.32134	1.85483E-11	1.07E-13	1.87E-11	1.53E-08	4.20E-11	1.53E-08	1.97E-09	1.24E-11	1.98E-09	5.76E-15	1.74E-14	1.01E-14	1.47E-15	3.55E-14	1.96E-15	3.8882E-14	2.188E-06	1.5318E-08	1.98E-09	4.78387E-15	5.16658E-15	2.93881E-15	1.05797E-15
723	570430.6	4178839	0.55, 41788	0.13612	0.12663	105.75261	46.22171	15.10752	6.99394	2.04685E-11	1.20E-13	2.06E-11	1.59E-08	4.37E-11	1.59E-08	2.27E-09	1.43E-11	2.29E-09	6.35E-15	1.92E-14	1.11E-14	1.62E-15	3.91E-14	2.16E-15	4.29112E-14	2.278E-06	1.5946E-08	2.29E-09	5.27959E-15	5.70196E-15	3.24334E-15	1.1676E-15
724	570470.6	4178839	0.55, 41788	0.14941	0.1416	113.55911	47.52324	16.22273	7.30549	2.24669E-11	1.34E-13	2.26E-11	1.71E-08	4.49E-11	1.71E-08	2.44E-09	1.53E-11	2.45E-09	6.97E-15	2.11E-14	1.22E-14	1.78E-15	4.3E-14	2.37E-15	4.71059E-14	2.446E-06	1.7121E-08	2.45E-09	5.7957E-15	6.25935E-15	3.56039E-15	1.28174E-15
725	570510.6	4178839	0.55, 41788	0.16314	0.158	114.44641	50.69094	16.21485	7.16417	2.45315E-11	1.49E-13	2.47E-11	1.72E-08	4.79E-11	1.73E-08	2.44E-09	1.53E-11	2.45E-09	7.62E-15	2.3E-14	1.33E-14	1.94E-15	4.69E-14	2.59E-15	5.14414E-14	2.465E-06	1.7257E-08	2.45E-09	6.32911E-15	6.83544E-15	3.88808E-15	1.39971E-15
726	570550.6	4178839	0.55, 41788	0.17704	0.17576	109.2842	56.30775	15.45924	8.75778	2.66217E-11	1.66E-13	2.68E-11	1.64E-08	5.32E-11	1.65E-08	2.32E-09	1.46E-11	2.34E-09	8.27E-15	2.5E-14	1.44E-14	2.11E-15	5.09E-14	2.81E-15	5.58328E-14	2.355E-06	1.6486E-08	2.34E-09	6.86941E-15	7.41896E-15	4.21999E-15	1.5192E-15
727	570590.6	4178839	0.55, 41788	0.1907	0.19445	121.04262	57.73789	17.123	9.62298	2.86758E-11	1.84E-13	2.89E-11	1.82E-08	5.46E-11	1.83E-08	2.57E-09	1.62E-11	2.59E-09	8.91E-15	2.69E-14	1.56E-14	2.27E-15	5.49E-14	3.03E-15	6.01508E-14	2.608E-06	1.8256E-08	2.59E-09	7.40068E-15	7.99274E-15	4.54636E-15	1.63669E-15
728	570630.6	4178839	0.55, 41788	0.20316	0.21304	125.84874	56.85617	17.26057	9.47603	3.05494E-11	2.01E-13	3.08E-11	1.89E-08	5.37E-11	1.9E-08	2.6E-09	1.63E-11	2.61E-09	9.49E-15	2.87E-14	1.66E-14	2.42E-15	5.84E-14	3.22E-15	6.40925E-14	2.711E-06	1.8978E-08	2.61E-09	7.88566E-15	8.51651E-15	4.84429E-15	1.74394E-15
729	570670.6	4178839	0.55, 41788	0.21386	0.23043	138.80556	56.19819	17.35069	9.51337	3.21583E-11	2.18E-13	3.24E-11	2.09E-08	5.31E-11	2.09E-08	2.61E-09	1.64E-11	2.63E-09	9.99E-15	3.02E-14	1.75E-14	2.55E-15	6.15E-14	3.39E-15	6.74803E-14	2.989E-06	2.0925E-08	2.63E-09	8.30247E-15	8.96667E-15	5.10034E-15	1.83612E-15
730	570710.6	4178839	0.55, 41788	0.22462	0.24643	139.69865	64.11019	17.46233	11.64998	3.37763E-11	2.33E-13	3.4E-11	2.1E-08	6.06E-11	2.11E-08	2.63E-09	1.65E-11	2.64E-09	1.05E-14	3.17E-14	1.83E-14	2.68E-15	6.46E-14	3.57E-15	7.08841E-14	3.01E-06	2.1067E-08	2.64E-09	8.72126E-15	9.41896E-15	5.35761E-15	1.92874E-15
731	570750.6	4178839	0.55, 41788	0.23931	0.26333	129.30344	65.03758	16.25667	13.35444	3.59853E-11	2.49E-13	3.62E-11	1.94E-08	6.15E-11	1.95E-08	2.44E-09	1.54E-11	2.46E-09	1.12E-14	3.38E-14	1.95E-14	2.85E-15	6.89E-14	3.8E-15	7.55215E-14	2.786E-06	1.9505E-08	2.46E-09	9.29182E-15	1.00352E-14	5.70811E-15	2.05492E-15
732	570790.6	4178839	0.55, 41788	0.2546	0.28325	148.04332	66.52984	18.88746	13.10425	3.82845E-11	2.68E-13	3.86E-11	2.23E-08	6.29E-11	2.23E-08	2.84E-09	1.78E-11	2.86E-09	1.19E-14	3.59E-14	2.08E-14	3.03E-15	7.33E-14	4.04E-15	8.03528E-14	3.189E-06	2.2324E-08	2.86E-09	9.88624E-15	1.06771E-14	6.07328E-15	2.18638E-15
733	570830.6	4178839	0.55, 41788	0.26766	0.30497	136.3658	90.38201	17.19519	14.05196	4.02483E-11	2.88E-13	4.05E-11	2.05E-08	8.54E-11	2.06E-08	2.59E-09	1.62E-11	2.6E-09	1.25E-14	3.78E-14	2.19E-14	3.19E-15	7.7E-14	4.25E-15	8.44887E-14	2.942E-06	2.0591E-08	2.6E-09	1.03951E-14	1.12267E-14	6.38588E-15	2.29892E-15
734	570870.6	4178839	0.55, 41788	0.28248	0.32215	145.76117	97.26265	18.22015	15.13016	4.24768E-11	3.04E-13	4.28E-11	2.19E-08	9.19E-11	2.2E-08	2.74E-09	1.72E-11	2.76E-09	1.32E-14	3.99E-14	2.31E-14	3.37E-15	8.13E-14	4.49E-15	8.91673E-14	3.144E-06	2.201E-08	2.76E-09	1.09707E-14	1.18484E-14	6.73951E-15	2.42622E-15
735	570910.6	4178839	0.55, 41788	0.28799	0.33135	130.6935	87.1686	16.33669	13.50967	4.33054E-11	3.13E-13	4.36E-11	1.97E-08	8.24E-11	1.97E-08	2.46E-09	1.54E-11	2.47E-09	1.35E-14	4.06E-14	2.35E-14	3.43E-15	8.29E-14	4.57E-15	9.09124E-14	2.819E-06	1.9735E-08	2.47E-09	1.11854E-14	1.20803E-14	6.8714E-15	2.4737E-15
736	570950.6	4178839	0.55, 41788	0.28758	0.33724	143.26415	81.64199	17.90802	13.93242	4.32437E-11	3.19E-13	4.36E-11	2.15E-08	7.71E-11	2.16E-08	2.69E-09	1.69E-11	2.71E-09	1.34E-14	4.06E-14	2.35E-14	3.43E-15	8.28E-14	4.57E-15	9.07955E-14	3.089E-06	2.162E-08	2.71E-09	1.11711E-14	1.20647E-14	6.86256E-15	2.47052E-15
737	570990.6	4178839	0.55, 41788	0.28844	0.33412	115.42228	74.82901	15.11344	13.01217	4.3373E-11	3.16E-13	4.37E-11	1.74E-08	7.07E-11	1.74E-08	2.27E-09	1.43E-11	2.29E-09	1.35E-14	4.07E-14	2.36E-14	3.44E-15	8.3E-14	4.58E-15	9.10589E-14	2.49E-06	1.7427E-08	2.29E-09	1.12035E-14	1.20997E-14	6.88247E-15	2.47769E-15
738	571030.6	4178839	0.55, 41788	0.29049	0.32848	122.60648	67.85889	20.43441	11.21527	4.36813E-11	3.10E-13	4.4E-11	1.84E-08	6.41E-11	1.85E-08	3.07E-09	1.93E-11	3.09E-09	1.36E-14	4.1E-14	2.37E-14	3.46E-15	8.36E-14	4.61E-15	9.16902E-14	2.643E-06	1.8501E-08	3.09E-09	1.12812E-14	1.21836E-14	6.93019E-15	2.49487E-15
739	571070.6	4178839	0.55, 41788	0.28682	0.32211	145.80556	62.69899	22.09774	10.44682	4.31294E-11	3.04E-13	4.34E-11	2.19E-08	5.92E-11	2.2E-08	3.32E-09	2.09E-11	3.34E-09	1.34E-14	4.05E-14	2.34E-14	3.42E-15	8.26E-14	4.55E-15	9.05275E-14	3.141E-06	2.1984E-08	3.34E-09	1.11381E-14	1.20291E-14	6.84231E-15	2.46323E-15
740	571110.6	4178839	0.55, 41788	0.272	0.3104	131.09883	59.8466	17.36249	9.97443	4.09009E-11	2.93E-13	4.12E-11	1.97E-08	5.66E-11	1.98E-08	2.61E-09	1.64E-11	2.63E-09	1.27E-14	3.84E-14	2.22E-14	3.24E-15	7.83E-14	4.32E-15	8.58596E-14	2.824E-06	1.977E-08	2.63E-09	1.05638E-14	1.14089E-14	6.4895E-15	2.33622E-15
741	571150.6	4178839	0.55, 41788	0.26	0.30055	99.99815	55.57889	12.49977	9.26315	3.90965E-11	2.84E-13	3.94E-11	1.5E-08	5.25E-11	1.51E-08	1.88E-09	1.18E-11	1.89E-09	1.22E-14	3.67E-14	2.12E-14	3.1E-15	7.49E-14	4.13E-15	8.20793E-14	2.156E-06	1.5089E-08	1.89E-09	1.00987E-14	1.09066E-14	6.20377E-15	2.23336E-15
742	571190.6	4178839	0.55, 41788	0.2552	0.29099	127.82601	53.11626	15.97966	8.85271	3.83747E-11	2.75E-13	3.86E-11	1.92E-08	5.02E-11	1.93E-08	2.4E-09	1.51E-11	2.42E-09	1.19E-14	3.6E-14	2.08E-14	3.04E-15	7.35E-14	4.05E-15	8.05561E-14	2.753E-06	1.9272E-08	2.42E-09	9.91125E-15	1.07042E-14	6.08864E-15	2.19191E-15
743	571230.6	4178839	0.55, 41788	0.25406	0.28009	144.46225	51.51588	18.06666	8.58598	3.82033E-11	2.65E-13	3.85E-11	2.17E-08	4.87E-11	2.18E-08	2.72E-09	1.71E-11	2.73E-09	1.19E-14	3.58E-14	2.07E-14	3.03E-15	7.31E-14	4.03E-15	8.01773E-14	3.11E-06	2.1772E-08	2.73E-09	9.86465E-15	1.06538E-14	6.06002E-15	2.18161E-15
744	571270.6	4178839	0.55, 41788	0.2507	0.26766	121.82335	49.56018	15.26733	8.26003	3.7698E-11	2.53E-13	3.8E-11	1.83E-08	4.68E-11	1.84E-08	2.3E-09	1.44E-11	2.31E-09	1.17E-14	3.54E-14	2.05E-14	2.99E-15	7.21E-14	3.98E-15	7.90998E-14	2.624E-06	1.8366E-08	2.31E-09	9.73208E-15	1.05106E-14	5.97857E-15	2.15229E-15
745	571310.6	4178839	0.55, 41788	0.24184	0.25433	103.21026	44.65355	14.74432	7.58702	3.63657E-11	2.40E-13	3.66E-11	1.55E-08	4.22E-11	1.56E-08	2.22E-09	1.39E-11	2.23E-09	1.13E-14	3.41E-14	1.97E-14	2.88E-15	6.96E-14	3.84E-15	7.62967E-14	2.223E-06	1.5562E-08	2.23E-09	9.3872E-15	1.01382E-14	5.76671E-15	2.07601E-15
746	571350.6	4178839	0.55, 41788	0.22797	0.24079	99.0464	44.12829	14.35742	7.39344	3.42801E-11	2.28E-13	3.45E-11	1.49E-08	4.17E-11	1.49E-08	2.16E-09	1.36E-11	2.17E-09	1.06E-14	3.22E-14	1.86E-14	2.72E-15	6.56E-14	3.62E-15	7.1923E-14	2.134E-06	1.4935E-08	2.17E-09	8.84908E-15	9.557E-15	5.43613E-15	1.95701E-15
747	571390.6	4178839	0.55, 41788	0.21103	0.22733	102.76287	42.76623	13.91866	7.25999	3.17328E-11	2.15E-13	3.19E-11	1.55E-08	4.04E-11	1.55E-08	2.09E-09	1.32E-11	2.11E-09	9.86E-15	2.98E-14	1.72E-14	2.51E-15	6.07E-14	3.35E-15	6.65872E-14	2.213E-06	1.5493E-08	2.11E-09	8.19259E-15	8.848E-15	5.03284E-15	1.81182E-15
748	571430.6	4178839	0.55, 41788	0.19469	0.21494	96.70075	41.37793	13.13698	7.12068	2.92757E-11	2.03E-13	2.95E-11	1.45E-08	3.91E-11	1.46E-08	1.98E-09	1.24E-11	1.99E-09	9.1E-15	2.75E-14	1.59E-14	2.32E-15	5.6E-14	3.09E-15	6.14417E-14	2.083E-06	1.458E-08	1.99E-09	7.5595E-15	8.16427E-15	4.64393E-15	1.67181E-15
749	571470.6	4178839	0.55, 41788	0.18137	0.20392	77.02264	40.18933	10.5662	6.94319	2.72728E-11	1.93E-13	2.75E-11	1.16E-08	3.80E-11	1.16E-08	1.59E-09	9.98E-12	1.6E-09	8.48E-15	2.56E-14	1.48E-14	2.16E-15	5.22E-14	2.88E-15	5.72453E-14	1.66E-06	1.162E-08	1.6E-09	7.0432E-15	7.60666E-15	4.32675E-15	1.55763E-15
750	571510.6	4178839	0.55, 41788	0.17253	0.19446	52.60803	39.21497	7.34906	6.67327	2.59435E-11	1.84E-13	2.61E-11	7.91E-09	3.71E-11	7.95E-09	1.11E-09	6.94E-12	1.11E-09	8.06E-15	2.43E-14	1.41E-14	2.06E-15	4.97E-14	2.74E-15	5.44561E-14	1.135E-06	7.9478E-09	1.11E-09	6.70003E-15	7.23604E-15	4.11594E-15	1.48174E-15
751	571550.6	4178839	0.55, 41788	0.16797	0.18619	68.59481	38.25365	9.65516	6.29212	2.52578E-11	1.76E-13	2.54E-11	1.03E-08	3.61E-11	1.04E-08	1.45E-09	9.12E-12	1.46E-09	7.85E-15	2.37E-14	1.37E-14	2E-15	4.83E-14	2.67E-15	5.30107E-14	1.479E-06	1.0351E-08	1.46E-09	6.52219E-15	7.04397E-15	4.00669E-15	1.44241E-15
752	571590.6	4178839	0.55, 41788	0.16271	0.17607	86.9293	37.04871	11.93163	5.86384	2.44669E-11	1.66E-13	2.46E-11	1.31E-08	3.50E-11	1.31E-08	1.79E-09	1.13E-11	1.81E-09	7.6E-15	2.3E-14	1.33E-14	1.94E-15	4.68E-14	2.58E-15	5.13422E-14	1.872E-06	1.3107E-08	1.81E-09	6.31691E-15	6.82226E-15	3.88058E-15	1.39701E-15
753	570839.2	4178446	9.17, 41784	74.46739	6.86955	1115.31188	246.53605	545.24687	92.47095	1.11977E-08	6.49E-12	1.12E-08	1.68E-07	2.33E-10	1.68E-07	8.2E-08	5.15E-10	8.25E-08	3.46E-12	1.04E-11	6.04E-12	8.82E-13	2.13E-11	1.17E-12	2.33526E-11	2.399E-05	1.6794E-07	8.25E-08	2.87319E-12	3.10305E-12	1.76505E-12	6.35418E-13
754	570839.2	4178486	9.17, 41784	72.70489	8.35312	2611.28562	240.43522	1286.82968	90.10385	1.09327E-08	7.89E-12	1.09E-08	3.93E-07	2.27E-10	3.93E-07	1.94E-07	1.22E-09	1.95E-07	3.38E-12	1.02E-11	5.9E-12	8.61E-13	2.08E-11	1.15E-12	2.28031E-11	5.613E-05	3.9289E-07	1.95E-07	2.80559E-12	3.03004E-12	1.72352E-12	6.20467E-13
755	570879.2	4178406	9.17, 41784	9.26791	12.09581	654.37651	281.54322	174.87233	99.71055	1.39363E-09	1.14E-11	1.41E-09	9.84E-08	2.66E-10	9.87E-08	2.63E-08	1.65E-10	2.65E-08	4.34E-13	1.31E-12	7.58E-13	1.11E-13	2.67E-12	1.47E-13	2.9285E-12	1.41E-05	9.8665E-08	2.65E-08	3.6031E-13	3.89135E-13	2.21344E-13	7.96839E-14
756	570879.2	4178446	9.17, 41784	110.98197	13.33715	3333.88644	260.53475	1717.50318	91.01179	1.66885E-08	1.26E-11	1.67E-08	5.01E-07	2.46E-10	5.02E-07	2.58E-07	1.62E-09	2.6E-07	5.15E-12	1.56E-11	9.01E-12	1.31E-12	3.17E-11	1.75E-12	3.48094E-11	7.165E-05	5.0157E-07	2.6E-07	4.2828E-12	4.62542E-12	2.63099E-12	9.47157E-13
757	570879.2	4178486	9.17, 41784	18.42358	13.79846	473.0449	246.35325	141.68031	100.88031	2.77037E-09	1.30E-11	2.78E-09	7.11E-08	2.33E-10	7.14E-08	2.13E-08	1.34E-10	2.14E-08	8.59E-13	2.59E-12	1.5E-12	2.19E-13	5.29E-12	2.92E-13	5.80136E-12	1.02E-05	7.1365E-08	2.14E-08	7.13773E-13	7.70875E-13	4.38483E-13	1.57854E-13
758	570879.2	4178526	9.17, 41785	94.91809	17.71904	3340.71117	271.69492	1490.9797	113.49448	1.42729E-08	1.67E-11	1.43E-08	5.02E-07	2.57E-10	5.03E-07	2.24E-07	1.41E-09	2.26E-07	4.41E-12	1.33E-11	7.71E-12	1.12E-12	2.72E-11	1.5E-12	2.97835E-11	7.18E-05	5.026E-07	2.26E-07	3.66442E-12	3.95757E-12	2.25111E-12	8.10401E-13
759	570879.2	4178566	9.17, 41785	6.34056	7.84517	517.57011	248.69096	138.67192	92.32789	9.53437E-10	7.41E-12	9.61E-10	7.78E-08	2.35E-10	7.81E-08	2.09E-08	1.31E-10	2.1E-08	2.96E-13	8.95E-13	5.18E-13	7.56E-14	1.83E-12	1.01E-13	2.00266E-12	1.115E-05	7.8063E-08	2.1E-08	2.46399E-13	2.66111E-13	1.51367E-13	5.4492E-14
760	570919.2	4178366	9.17, 41783	2.36921	8.89638	279.82249	231.14799	50.20448	85.64726	3.56261E-10	8.41E-12	3.65E-10	4.21E-08	2.18E-10	4.23E-08	7.55E-09	4.74E-11	7.6E-09	1.13E-13	3.4E-13	1.97E-13	2.87E-14	6.93E-13	3.82E-14	7.60062E-13	6.042E-06	4.2296E-08	7.6E-09	9.35146E-14	1.00996E-13	5.74475E-14	2.06811E-14
761	570919.2	4178406	9.17, 41784	7.16288	18.51893	387.12304	281.06153	102.95605	123.97591	1.07709E-09	1.75E-11	1.09E-09	5.82E-08	2.66E-10	5.85E-08	1.55E-08	9.73E-11	1.56E-08	3.38E-13	1.02E-12	5.9E-13	8.61E-14	2.08E-12	1.15E-13	2.28141E-12	8.354E-06	5.8478E-08	1.56E-08	2.80695E-13	3.0315E-13	1.72435E-13	6.20767E-14
762	570919.2	4178446	9.17, 41784	30.90779	15.96768	761.46723	266.85593	290.35951	97.37786	4.64764E-09	1.51E-11	4.66E-09	1.15E-07	2.52E-10	1.15E-07	4.37E-08	2.74E-10	4.39E-08	1.44E-12	4.34E-12	2.51E-12	3.67E-13	8.86E-12	4.89E-13	9.71835E-12	1.639E-05	1.1475E-07	4.39E-08	1.1957E-12	1.29136E-12	7.34539E-13	2.64434E-13
763	570919.2	4178486	9.17, 41784	29.57453	18.16179	992.62163	281.14129	425.98322	121.6397	4.44715E-09	1.72E-11	4.46E-09	1.49E-07	2.66E-10	1.5E-07	6.41E-08	4.03E-10	6.45E-08	1.38E-12	4.16E-12	2.41E-12	3.51E-13	8.49E-12	4.68E-13	9.30481E-12	2.136E-05	1.4953E-07	6.45E-08	1.14482E-12	1.23641E-12	7.03282E-13	2.53182E-13
764	570919.2	4178526	9.17, 41785	19.47257	21.77306	427.44744	357.8357	126.47105	151.21701	2.92811E-09	2.06E-11	2.95E-09	6.43E-08	3.38E-10	6.46E-08	1.9E-08	1.20E-10	1.91E-08	9.1E-13	2.75E-12	1.59E-12	2.32E-13	5.6E-12	3.09E-13	6.14584E-12	9.231E-06	6.4614E-08	1.91E-08	7.56156E-13	8.16648E-13	4.64519E-13	1.67227E-13
765	570919.2	4178566	9.17, 41785	68.70701	17.81326	3547.24462	326.79695	1121.59815	123.62419	1.03315E-08	1.68E-11	1.03E-08	5.33E-07	3.09E-10	5.34E-07	1.69E-07	1.06E-09	1.7E-07	3.19E-12	9.64E-12	5.58E-12	8.14E-13	1.97E-11	1.09E-12	2.15687E-11	7.624E-05	5.3371E-07	1.7E-07	2.65372E-12	2.86602E-12	1.63022E-12	5.86881E-13
766	570959.2	4178326	9.17, 41783	2.08146	12.83514	279.67021	252.56813	42.32993	97.81035	3.12991E-10	1.21E-11	3.25E-10	4.21E-08	2.39E-10	4.23E-08	6.37E-09	4.00E-11	6.41E-09	1E-13	3.03E-13	1.75E-13	2.56E-14	6.18E-13	3.41E-14	6.77635E-13	6.042E-06	4.2293E-08	6.41E-09	8.33731E-14	9.0043E-14	5.12175E-14	1.84383E-14
767	570959.2	4178366	9.17, 41783	2.97969	11.80225	241.09871	252.07126	42.48046	78.75938	4.48059E-10	1.12E-11	4.59E-10	3.63E-08	2.38E-10	3.65E-08	6.39E-09	4.01E-11	6.43E-09	1.42E-13	4.28E-13	2.48E-13	3.61E-14	8.73E-13	4.82E-14	9.57117E-13	5.213E-06	3.6492E-08	6.43E-09	1.17759E-13	1.2718E-13	7.23415E-14	2.60429E-14
768	570959.2	4178406	9.17, 41784	5.48321	18.00699	312.89849	292.26242	67.10795	111.57482	8.24516E-10	1.70E-11	8.42E-10	4.71E-08	2.76E-10	4.73E-08	1.01E-08	6.34E-11	1.02E-08	2.6E-13	7.84E-13	4.54E-13	6.62E-14	1.6E-12	8.82E-14	1.75397E-12	6.761E-06	4.7327E-08	1.02E-08	2.15801E-13	2.33065E-13	1.3257E-13	4.77252E-14
769	570959.2	4178446	9.17, 41784	13.2141	15.9724	471.07205	258.82785	129.31081	100.45092	1.98702E-09	1.51E-11	2E-09	7.08E-08	2.45E-10	7.11E-08	1.94E-08	1.22E-10	1.96E-08	6.18E-13	1.87E-12	1.08E-12	1.58E-13	3.81E-12	2.1E-13	4.17293E-12	1.015E-05	7.108E-08	1.96E-08	5.13418E-13	5.54491E-13	3.15401E-13	1.13544E-13
770	570959.2	4178486	9.17, 41784	61.20406	15.71053	1330.20017	250.50131	539.4281	101.77571	9.20332E-09	1.48E-11	9.22E-09	2E-07	2.37E-10	2E-07	8.11E-08	5.10E-10	8.16E-08	2.84E-12	8.59E-12	4.97E-12	7.25E-13	1.75E-11	9.67E-13	1.92131E-11	2.861E-05	2.0026E-07	8.16E-08	2.36389E-12	2.553E-12	1.45218E-12	5.22783E-13
771	570959.2	4178526	9.17, 41785	233.18259	14.04006	3491.90215	258.73899	1687.05022	110.68808	3.50639E-08	1.33E-11	3.51E-08	5.25E-07	2.44E-10	5.25E-07	2.54E-07	1.59E-09	2.55E-07	1.08E-11	3.27E-11	1.89E-11	2.76E-12	6.67E-11	3.68E-12	7.31101E-11	7.505E-05	5.2533E-07	2.55E-07	8.99513E-12	9.71474E-12	5.52586E-12	1.98931E-12
772	570999.2	4178286	9.17, 41782	4.82709	7.01905	541.05323	230.67805	117.6944	82.70868	7.25855E-10	6.63E-12	7.32E-10	8.14E-08	2.18E-10	8.16E-08	1.77E-08	1.11E-10	1.78E-08	2.26E-13	6.82E-13	3.95E-13	5.76E-14	1.39E-12	7.68E-14	1.5267E-12	1.165E-05	8.1577E-08	1.78E-08	1.87838E-13	2.02865E-13	1.15392E-13	4.1541E-14

773	570999.2	4178326	9.17, 41783	3.49216	17.23511	334.8047	281.26172	73.88295	121.01705	5.2512E-10	1.63E-11	5.41E-10	5.03E-08	2.66E-10	5.06E-08	1.11E-08	6.98E-11	1.12E-08	1.67E-13	5.04E-13	2.92E-13	4.26E-14	1.03E-12	5.68E-14	1.12843E-12	7.23E-06	5.0611E-08	1.12E-08	1.38837E-13	1.49944E-13	8.52899E-14	3.07044E-14
774	570999.2	4178366	9.17, 41783	3.49499	15.86199	258.09779	262.50756	51.99585	99.38677	5.25545E-10	1.50E-11	5.41E-10	3.88E-08	2.48E-10	3.91E-08	7.82E-09	4.91E-11	7.87E-09	1.67E-13	5.04E-13	2.92E-13	4.25E-14	1.03E-12	5.67E-14	1.12661E-12	5.58E-06	3.9058E-08	7.87E-09	1.38614E-13	1.49703E-13	8.51526E-14	3.06549E-14
775	570999.2	4178406	9.17, 41784	4.67229	14.08019	269.25985	258.20089	48.54927	90.52886	7.02577E-10	1.33E-11	7.16E-10	4.05E-08	2.44E-10	4.07E-08	7.3E-09	4.59E-11	7.35E-09	2.21E-13	6.67E-13	3.86E-13	5.63E-14	1.36E-12	7.51E-14	1.49209E-12	5.819E-06	4.0733E-08	7.35E-09	1.8358E-13	1.98266E-13	1.12776E-13	4.05993E-14
776	570999.2	4178446	9.17, 41784	8.21208	17.59623	365.10896	254.50285	80.87758	113.65243	1.23486E-09	1.66E-11	1.25E-09	5.49E-08	2.40E-10	5.51E-08	1.22E-08	7.64E-11	1.22E-08	3.86E-13	1.17E-12	6.75E-13	9.85E-14	2.38E-12	1.31E-13	2.60843E-12	7.877E-06	5.5142E-08	1.22E-08	3.20929E-13	3.46603E-13	1.97152E-13	7.09747E-14
777	570999.2	4178486	9.17, 41784	18.06608	14.21786	585.19163	263.25351	156.20535	101.07997	2.71662E-09	1.34E-11	2.73E-09	8.8E-08	2.49E-10	8.82E-08	2.35E-08	1.48E-10	2.36E-08	8.42E-13	2.54E-12	1.47E-12	2.15E-13	5.19E-12	2.86E-13	5.69014E-12	1.261E-05	8.8245E-08	2.36E-08	7.0009E-13	7.56097E-13	4.30076E-13	1.54827E-13
778	571039.2	4178246	9.17, 41782	16.91212	6.90765	857.31055	271.11205	274.95229	93.64332	2.54309E-09	6.53E-12	2.55E-09	1.29E-07	2.56E-10	1.29E-07	4.13E-08	2.60E-10	4.16E-08	7.87E-13	2.38E-12	1.38E-12	2.01E-13	4.85E-12	2.67E-13	5.31408E-12	1.845E-05	1.2917E-07	4.16E-08	6.5382E-13	7.06126E-13	4.01652E-13	1.44595E-13
779	571039.2	4178286	9.17, 41782	28.85834	15.10006	1240.055	260.3069	549.80999	92.85324	4.33946E-09	1.43E-11	4.35E-09	1.86E-07	2.46E-10	1.87E-07	8.27E-08	5.20E-10	8.32E-08	1.34E-12	4.06E-12	2.35E-12	3.43E-13	8.28E-12	4.57E-13	9.07432E-12	2.667E-05	1.8671E-07	8.32E-08	1.11646E-12	1.20578E-12	6.85861E-13	2.4691E-13
780	571039.2	4178326	9.17, 41783	6.67676	17.1171	443.85334	276.43557	131.23026	111.87763	1.00399E-09	1.62E-11	1.02E-09	6.67E-08	2.61E-10	6.7E-08	1.97E-08	1.24E-10	1.99E-08	3.15E-13	9.51E-13	5.5E-13	8.03E-14	1.94E-12	1.07E-13	2.12629E-12	9.572E-06	6.7004E-08	1.99E-08	2.6161E-13	2.82538E-13	1.60711E-13	5.7856E-14
781	571039.2	4178366	9.17, 41783	4.40971	16.57374	310.01939	259.88486	73.97776	106.04392	6.63093E-10	1.57E-11	6.79E-10	4.66E-08	2.46E-10	4.69E-08	1.11E-08	6.99E-11	1.12E-08	2.09E-13	6.32E-13	3.66E-13	5.34E-14	1.29E-12	7.12E-14	1.4147E-12	6.695E-06	4.6864E-08	1.12E-08	1.74058E-13	1.87983E-13	1.06927E-13	3.84937E-14
782	571039.2	4178406	9.17, 41784	4.40492	15.47088	249.62047	251.60574	54.55389	95.67705	6.62372E-10	1.46E-11	6.77E-10	3.75E-08	2.38E-10	3.78E-08	8.2E-09	5.15E-11	8.25E-09	2.09E-13	6.31E-13	3.65E-13	5.33E-14	1.29E-12	7.1E-14	1.41103E-12	5.396E-06	3.7773E-08	8.25E-09	1.73607E-13	1.87495E-13	1.06649E-13	3.83937E-14
783	571039.2	4178446	9.17, 41784	6.02235	17.33371	271.18693	258.43077	53.34538	113.33058	9.05587E-10	1.64E-11	9.22E-10	4.08E-08	2.44E-10	4.1E-08	8.02E-09	5.04E-11	8.07E-09	2.85E-13	8.59E-13	4.97E-13	7.25E-14	1.75E-12	9.67E-14	1.92162E-12	5.86E-06	4.1023E-08	8.07E-09	2.36427E-13	2.55342E-13	1.45241E-13	5.22868E-14
784	571079.2	4178246	9.17, 41782	26.90238	12.76385	686.22219	257.40547	294.80616	92.56412	4.04534E-09	1.21E-11	4.06E-09	1.03E-07	2.43E-10	1.03E-07	4.43E-08	2.79E-10	4.46E-08	1.25E-12	3.78E-12	2.19E-12	3.19E-13	7.71E-12	4.25E-13	8.45669E-12	1.478E-05	1.0343E-07	4.46E-08	1.04047E-12	1.12371E-12	6.39179E-13	2.30105E-13
785	571079.2	4178286	9.17, 41782	49.90964	15.92317	957.6563	283.49226	414.11972	108.09945	7.50496E-09	1.50E-11	7.52E-09	1.44E-07	2.68E-10	1.44E-07	6.23E-08	3.91E-10	6.27E-08	2.32E-12	7.01E-12	4.06E-12	5.92E-13	1.43E-11	7.89E-13	1.56737E-11	2.061E-05	1.4427E-07	6.27E-08	1.92842E-12	2.08269E-12	1.18466E-12	4.26477E-13
786	571079.2	4178326	9.17, 41783	16.67986	14.36437	793.60016	243.70787	313.14105	91.11491	2.50817E-09	1.36E-11	2.52E-09	1.19E-07	2.30E-10	1.2E-07	4.71E-08	2.96E-10	4.74E-08	7.78E-13	2.35E-12	1.36E-12	1.98E-13	4.79E-12	2.64E-13	5.25597E-12	1.708E-05	1.1956E-07	4.74E-08	6.46671E-13	6.98405E-13	3.97261E-13	1.43014E-13
787	571079.2	4178366	9.17, 41783	6.18218	17.09307	419.38901	255.0076	110.95083	108.56867	9.29621E-10	1.62E-11	9.46E-10	6.31E-08	2.41E-10	6.33E-08	1.67E-08	1.05E-10	1.68E-08	2.92E-13	8.81E-13	5.1E-13	7.44E-14	1.8E-12	9.92E-14	1.97124E-12	9.044E-06	6.3305E-08	1.68E-08	2.42532E-13	2.61935E-13	1.48992E-13	5.3637E-14
788	571079.2	4178406	9.17, 41784	4.42977	14.91	310.20505	209.99469	72.09993	91.11305	6.66109E-10	1.41E-11	6.8E-10	4.66E-08	1.98E-10	4.68E-08	1.08E-08	6.81E-11	1.09E-08	2.1E-13	6.34E-13	3.67E-13	5.35E-14	1.29E-12	7.13E-14	1.41771E-12	6.692E-06	4.6844E-08	1.09E-08	1.74429E-13	1.88383E-13	1.07154E-13	3.85756E-14
789	571119.2	4178286	9.17, 41782	25.0824	15.07438	507.91812	256.39153	211.8106	106.96205	3.77167E-09	1.42E-11	3.79E-09	7.64E-08	2.42E-10	7.66E-08	3.19E-08	2.00E-10	3.21E-08	1.17E-12	3.53E-12	2.04E-12	2.98E-13	7.2E-12	3.97E-13	7.89084E-12	1.095E-05	7.6618E-08	3.21E-08	9.70853E-13	1.04852E-12	5.96411E-13	2.14708E-13
790	571119.2	4178326	9.17, 41783	197.49067	14.51391	3348.29445	230.6601	1622.72219	95.52079	2.96969E-08	1.37E-11	2.97E-08	5.03E-07	2.18E-10	5.04E-07	2.44E-07	1.53E-09	2.46E-07	9.17E-12	2.77E-11	1.6E-11	2.34E-12	5.65E-11	3.12E-12	6.19247E-11	7.196E-05	5.037E-07	2.46E-07	7.61894E-12	8.22845E-12	4.68044E-12	1.68496E-12
791	571119.2	4178366	9.17, 41783	10.01384	12.46582	630.48898	206.62645	198.58486	83.22549	1.50579E-09	1.18E-11	1.52E-09	9.48E-08	1.95E-10	9.5E-08	2.99E-08	1.88E-10	3E-08	4.68E-13	1.41E-12	8.19E-13	1.19E-13	2.88E-12	1.59E-13	3.16302E-12	1.357E-05	9.5003E-08	3E-08	3.89163E-13	4.20296E-13	2.39069E-13	8.6065E-14
792	571159.2	4178326	9.17, 41783	219.15803	19.05137	3124.9508	277.70648	1560.39264	128.55095	3.2955E-08	1.80E-11	3.3E-08	4.7E-07	2.62E-10	4.7E-07	2.35E-07	1.47E-09	2.36E-07	1.02E-11	3.07E-11	1.78E-11	2.59E-12	6.27E-11	3.46E-12	6.87245E-11	6.717E-05	4.7016E-07	2.36E-07	8.45555E-12	9.13199E-12	5.19438E-12	1.86998E-12
793	570808.8	4178465	8.82, 41784	10.95844	3.34212	1253.90468	193.66587	302.59047	56.7134	1.64783E-09	3.16E-12	1.65E-09	1.89E-07	1.83E-10	1.89E-07	4.55E-08	2.86E-10	4.58E-08	5.09E-13	1.54E-12	8.91E-13	1.3E-13	3.14E-12	1.73E-13	3.4411E-12	2.696E-05	1.8873E-07	4.58E-08	4.23377E-13	4.57247E-13	2.60087E-13	9.36315E-14
794	570823.9	4178530	3.91, 41785	3.05561	3.25593	358.64643	197.99385	70.39413	63.38636	4.59475E-10	3.08E-12	4.63E-10	5.39E-08	1.87E-10	5.41E-08	1.06E-08	6.65E-11	1.07E-08	1.43E-13	4.31E-13	2.49E-13	3.64E-14	8.79E-13	4.85E-14	9.6408E-13	7.731E-06	5.4117E-08	1.07E-08	1.18616E-13	1.28105E-13	7.28678E-14	2.62324E-14
795	570883.3	4178602	3.31, 41786	3.07425	4.49746	479.66242	287.53386	94.76169	103.00469	4.62278E-10	4.25E-12	4.67E-10	7.21E-08	2.72E-10	7.24E-08	1.42E-08	8.95E-11	1.43E-08	1.44E-13	4.35E-13	2.52E-13	3.67E-14	8.87E-13	4.89E-14	9.72367E-13	1.034E-05	7.2399E-08	1.43E-08	1.19636E-13	1.29207E-13	7.34941E-14	2.64579E-14
796	571181.5	4178310	1.45, 41783	77.30582	13.12592	2585.53888	242.23364	872.95261	114.20023	1.16246E-08	1.24E-11	1.16E-08	3.89E-07	2.29E-10	3.89E-07	1.31E-07	8.25E-10	1.32E-07	3.59E-12	1.08E-11	6.28E-12	9.16E-13	2.21E-11	1.22E-12	2.42545E-11	5.557E-05	3.8902E-07	1.32E-07	2.98416E-12	3.2229E-12	1.83322E-12	6.59959E-13
797	571067.8	4178207	7.83, 41782	5.36607	4.9243	895.65181	299.02694	223.56067	96.05921	8.06902E-10	4.65E-12	8.12E-10	1.35E-07	2.83E-10	1.35E-07	3.36E-08	2.11E-10	3.38E-08	2.5E-13	7.56E-13	4.38E-13	6.39E-14	1.54E-12	8.51E-14	1.69149E-12	1.928E-05	1.3496E-07	3.38E-08	2.08114E-13	2.24763E-13	1.27848E-13	4.60252E-14
798	570799.9	4178447	9.89, 41784	4.88888	2.78293	732.83791	152.28075	142.77112	52.0733	7.35146E-10	2.63E-12	7.38E-10	1.1E-07	1.44E-10	1.1E-07	2.15E-08	1.35E-10	2.16E-08	2.28E-13	6.87E-13	3.98E-13	5.81E-14	1.4E-12	7.74E-14	1.53772E-12	1.576E-05	1.1034E-07	2.16E-08	1.89194E-13	2.04329E-13	1.16225E-13	4.1841E-14

Cadmium

	Trenching	Grading
Emissions Rate (g/s):	1.44E-09	9.03E-12

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	15	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	15	10	2	70	0.85
2<9	631	1	0.854795	0.000001	15	3	0.75	70	0.72
Student	520	1	0.493151	0.000001	15	3	3	70	1
Worker	230	1	0.684932	0.000001	15	1	3	70	1

Cadmium

	Chronic (Annu	Acute (1hr)	8hr
REL:	0.02	1	1

				Concentration [μg/m^3] at 1 g/s						Concentration (μg/m^3) Unmitigated									Unmitigated Residential Dose			Risk by Age Group				Unmitigated			Student Unmitigated		Worker Unmitigated	
#	X	Y	X,Y	Trenching Period	Grading Period	Treching 1hr	Grading 1hr	Trenching 8hr	Grading 8hr	Trenching Period	Grading Period	Period Tota	reching 1hr	Grading 1hr	1hr Total	renching 8h	Grading 8hr	8hr Total	3rd	0<2	2<9	3rd	0<2	2<9	Total Risk	Chronic	Acute	8hr	Dose	Risk	Dose	Risk
1	570310.6	4177919	0.55, 41779	0.08215	0.06425	53.98877	25.74637	6.7486	3.78109	1.18044E-10	5.80E-13	1.19E-10	7.76E-08	2.32E-10	7.78E-08	9.7E-09	6.09E-11	9.76E-09	3.66E-14	1.11E-13	6.4E-14	1.67E-14	4.03E-13	2.22E-14	4.41509E-13	5.931E-09	7.7811E-08	9.76E-09	3.04199E-14	5.8667E-14	1.86874E-14	1.20134E-14
2	570350.6	4177919	0.55, 41779	0.08744	0.06946	61.34869	26.43683	7.66859	3.66465	1.25646E-10	6.27E-13	1.26E-10	8.82E-08	2.39E-10	8.84E-08	1.1E-08	6.92E-11	1.11E-08	3.9E-14	1.18E-13	6.81E-14	1.77E-14	4.29E-13	2.36E-14	4.69976E-13	6.314E-09	8.8393E-08	1.11E-08	3.23813E-14	6.24496E-14	1.98923E-14	1.27879E-14
3	570390.6	4177919	0.55, 41779	0.09273	0.07514	67.57642	27.23616	8.44705	3.80844	1.33247E-10	6.78E-13	1.34E-10	9.71E-08	2.46E-10	9.73E-08	1.21E-08	7.63E-11	1.22E-08	4.13E-14	1.25E-13	7.22E-14	1.88E-14	4.55E-13	2.51E-14	4.98458E-13	6.696E-09	9.7349E-08	1.22E-08	3.43437E-14	6.62343E-14	2.10979E-14	1.35629E-14
4	570430.6	4177919	0.55, 41779	0.09799	0.08123	71.34976	28.07066	8.91872	4.01428	1.40806E-10	7.33E-13	1.42E-10	1.03E-07	2.53E-10	1.03E-07	1.28E-08	8.05E-11	1.29E-08	4.37E-14	1.32E-13	7.63E-14	1.99E-14	4.8E-13	2.65E-14	5.26794E-13	7.077E-09	1.0278E-07	1.29E-08	3.6296E-14	6.99995E-14	2.22972E-14	1.43339E-14
5	570470.6	4177919	0.55, 41779	0.10292	0.08757	71.34124	28.88227	8.91766	4.18506	1.4789E-10	7.91E-13	1.49E-10	1.03E-07	2.61E-10	1.03E-07	1.28E-08	8.05E-11	1.29E-08	4.59E-14	1.39E-13	8.02E-14	2.09E-14	5.05E-13	2.78E-14	5.53374E-13	7.434E-09	1.0277E-07	1.29E-08	3.81274E-14	7.35313E-14	2.34223E-14	1.50572E-14
6	570510.6	4177919	0.55, 41779	0.10719	0.09397	70.57748	29.51269	8.82218	4.31581	1.54025E-10	8.49E-13	1.55E-10	1.01E-07	2.66E-10	1.02E-07	1.27E-08	7.97E-11	1.28E-08	4.78E-14	1.44E-13	8.35E-14	2.18E-14	5.26E-13	2.9E-14	5.76425E-13	7.744E-09	1.0168E-07	1.28E-08	3.97156E-14	7.65944E-14	2.43979E-14	1.56844E-14
7	570550.6	4177919	0.55, 41779	0.11095	0.10041	80.02506	30.00614	10.00313	4.88273	1.59428E-10	9.07E-13	1.6E-10	1.15E-07	2.71E-10	1.15E-07	1.44E-08	9.03E-11	1.45E-08	4.95E-14	1.49E-13	8.65E-14	2.25E-14	5.44E-13	3E-14	5.96751E-13	8.017E-09	1.1526E-07	1.45E-08	4.1116E-14	7.92952E-14	2.52582E-14	1.62374E-14
8	570590.6	4177919	0.55, 41779	0.11537	0.10684	81.14556	31.22548	10.14319	5.49199	1.6578E-10	9.65E-13	1.67E-10	1.17E-07	2.82E-10	1.17E-07	1.46E-08	9.16E-11	1.47E-08	5.15E-14	1.55E-13	8.99E-14	2.34E-14	5.66E-13	3.12E-14	6.20606E-13	8.337E-09	1.1688E-07	1.47E-08	4.27596E-14	8.2465E-14	2.62679E-14	1.68865E-14
9	570630.6	4177919	0.55, 41779	0.12154	0.11343	82.02682	32.76834	10.54682	6.07261	1.74645E-10	1.02E-12	1.76E-10	1.18E-07	2.96E-10	1.18E-07	1.52E-08	9.52E-11	1.53E-08	5.42E-14	1.64E-13	9.48E-14	2.47E-14	5.96E-13	3.29E-14	6.53825E-13	8.783E-09	1.1816E-07	1.53E-08	4.50485E-14	8.68792E-14	2.7674E-14	1.77904E-14
10	570670.6	4177919	0.55, 41779	0.12896	0.11974	90.28793	34.09351	12.11861	6.60764	1.85308E-10	1.08E-12	1.86E-10	1.3E-07	3.08E-10	1.3E-07	1.74E-08	1.09E-10	1.75E-08	5.75E-14	1.74E-13	1.01E-13	2.62E-14	6.33E-13	3.49E-14	6.9372E-13	9.319E-09	1.3005E-07	1.75E-08	4.77972E-14	9.21804E-14	2.93626E-14	1.8876E-14
11	570710.6	4177919	0.55, 41779	0.13589	0.12543	92.03158	38.34133	11.50395	7.03486	1.95266E-10	1.13E-12	1.96E-10	1.32E-07	3.46E-10	1.33E-07	1.65E-08	1.04E-10	1.66E-08	6.06E-14	1.83E-13	1.06E-13	2.76E-14	6.67E-13	3.68E-14	7.30974E-13	9.82E-09	1.3259E-07	1.66E-08	5.0364E-14	9.71306E-14	3.09394E-14	1.98896E-14
12	570750.6	4177919	0.55, 41779	0.14097	0.13029	98.93292	42.68075	12.36662	7.25038	2.02565E-10	1.18E-12	2.04E-10	1.42E-07	3.85E-10	1.43E-07	1.78E-08	1.12E-10	1.79E-08	6.29E-14	1.9E-13	1.1E-13	2.86E-14	6.92E-13	3.81E-14	7.58306E-13	1.019E-08	1.4255E-07	1.79E-08	5.22472E-14	1.00762E-13	3.20963E-14	2.06333E-14
13	570790.6	4177919	0.55, 41779	0.1434	0.13429	101.78306	44.96916	12.72288	7.16867	2.06057E-10	1.21E-12	2.07E-10	1.46E-07	4.06E-10	1.47E-07	1.83E-08	1.15E-10	1.84E-08	6.4E-14	1.93E-13	1.12E-13	2.91E-14	7.04E-13	3.88E-14	7.71436E-13	1.036E-08	1.4666E-07	1.84E-08	5.31519E-14	1.02507E-13	3.26521E-14	2.09906E-14
14	570830.6	4177919	0.55, 41779	0.14249	0.1373	103.05806	46.92439	12.88226	6.63254	2.04749E-10	1.24E-12	2.06E-10	1.48E-07	4.24E-10	1.49E-07	1.85E-08	1.16E-10	1.86E-08	6.36E-14	1.92E-13	1.11E-13	2.89E-14	6.99E-13	3.86E-14	7.66671E-13	1.03E-08	1.4851E-07	1.86E-08	5.28235E-14	1.01874E-13	3.24503E-14	2.08609E-14
15	570870.6	4177919	0.55, 41779	0.13915	0.13926	113.81753	49.41272	14.22719	6.17659	1.9995E-10	1.26E-12	2.01E-10	1.64E-07	4.46E-10	1.64E-07	2.04E-08	1.28E-10	2.06E-08	6.21E-14	1.87E-13	1.09E-13	2.83E-14	6.83E-13	3.77E-14	7.48874E-13	1.006E-08	1.6399E-07	2.06E-08	5.15973E-14	9.95091E-14	3.16971E-14	2.03767E-14
16	570910.6	4177919	0.55, 41779	0.13537	0.14116	103.09741	52.00284	16.13684	6.50036	1.94518E-10	1.27E-12	1.96E-10	1.48E-07	4.70E-10	1.49E-07	2.32E-08	1.46E-10	2.33E-08	6.04E-14	1.82E-13	1.06E-13	2.75E-14	6.65E-13	3.67E-14	7.28722E-13	9.79E-09	1.4861E-07	2.33E-08	5.02088E-14	9.68313E-14	3.08441E-14	1.98283E-14
17	570950.6	4177919	0.55, 41779	0.13129	0.14261	128.63222	54.75687	19.7206	7.6051	1.88656E-10	1.29E-12	1.9E-10	1.85E-07	4.94E-10	1.85E-07	2.83E-08	1.78E-10	2.85E-08	5.86E-14	1.77E-13	1.02E-13	2.67E-14	6.45E-13	3.56E-14	7.0695E-13	9.497E-09	1.8533E-07	2.85E-08	4.87088E-14	9.39383E-14	2.99226E-14	1.92359E-14
18	570990.6	4177919	0.55, 41779	0.12715	0.1442	126.51514	58.01026	18.07359	9.36612	1.82707E-10	1.30E-12	1.84E-10	1.82E-07	5.24E-10	1.82E-07	2.6E-08	1.63E-10	2.61E-08	5.68E-14	1.71E-13	9.92E-14	2.59E-14	6.25E-13	3.45E-14	6.84862E-13	9.2E-09	1.8232E-07	2.61E-08	4.71869E-14	9.10033E-14	2.89877E-14	1.86349E-14
19	571030.6	4177919	0.55, 41779	0.12254	0.14609	125.39004	62.99788	17.19472	10.49965	1.76082E-10	1.32E-12	1.77E-10	1.8E-07	5.69E-10	1.81E-07	2.47E-08	1.55E-10	2.49E-08	5.47E-14	1.65E-13	9.57E-14	2.49E-14	6.02E-13	3.32E-14	6.60271E-13	8.87E-09	1.8075E-07	2.49E-08	4.54926E-14	8.77357E-14	2.79468E-14	1.79658E-14
20	571070.6	4177919	0.55, 41779	0.1201	0.14847	126.80092	67.58831	16.22667	10.87469	1.72576E-10	1.34E-12	1.74E-10	1.82E-07	6.10E-10	1.83E-07	2.33E-08	1.47E-10	2.35E-08	5.37E-14	1.62E-13	9.38E-14	2.44E-14	5.9E-13	3.26E-14	6.47301E-13	8.696E-09	1.8282E-07	2.35E-08	4.4599E-14	8.60123E-14	2.73979E-14	1.76129E-14
21	571110.6	4177919	0.55, 41779	0.1205	0.15044	126.62476	68.47754	20.2586	9.61445	1.73151E-10	1.36E-12	1.75E-10	1.82E-07	6.18E-10	1.83E-07	2.91E-08	1.83E-10	2.93E-08	5.39E-14	1.63E-13	9.41E-14	2.45E-14	5.92E-13	3.27E-14	6.49507E-13	8.725E-09	1.8257E-07	2.93E-08	4.47509E-14	8.63054E-14	2.74912E-14	1.76729E-14
22	571150.6	4177919	0.55, 41779	0.1212	0.15159	131.66409	62.22893	21.10658	9.19459	1.74157E-10	1.37E-12	1.76E-10	1.89E-07	5.62E-10	1.9E-07	3.03E-08	1.91E-10	3.05E-08	5.42E-14	1.64E-13	9.47E-14	2.47E-14	5.96E-13	3.29E-14	6.53289E-13	8.776E-09	1.8976E-07	3.05E-08	4.50115E-14	8.68079E-14	2.76513E-14	1.77758E-14
23	571190.6	4177919	0.55, 41779	0.12215	0.15198	137.85581	66.48698	19.69369	10.25241	1.75522E-10	1.37E-12	1.77E-10	1.98E-07	6.00E-10	1.99E-07	2.83E-08	1.78E-10	2.85E-08	5.46E-14	1.65E-13	9.54E-14	2.49E-14	6E-13	3.31E-14	6.58383E-13	8.845E-09	1.9869E-07	2.85E-08	4.53625E-14	8.74848E-14	2.78669E-14	1.79144E-14
24	571230.6	4177919	0.55, 41779	0.12354	0.15154	148.65332	75.08948	21.23619	9.50538	1.77519E-10	1.37E-12	1.79E-10	2.14E-07	6.78E-10	2.14E-07	3.05E-08	1.92E-10	3.07E-08	5.52E-14	1.67E-13	9.65E-14	2.51E-14	6.07E-13	3.35E-14	6.65802E-13	8.944E-09	2.1428E-07	3.07E-08	4.58737E-14	8.84706E-14	2.81809E-14	1.81163E-14
25	571270.6	4177919	0.55, 41779	0.12544	0.15047	135.01221	73.55453	18.66937	9.80753	1.8025E-10	1.36E-12	1.82E-10	1.94E-07	6.64E-10	1.95E-07	2.68E-08	1.69E-10	2.7E-08	5.6E-14	1.69E-13	9.8E-14	2.55E-14	6.16E-13	3.4E-14	6.75928E-13	9.08E-09	1.9467E-07	2.7E-08	4.65713E-14	8.98161E-14	2.86095E-14	1.83918E-14
26	571310.6	4177919	0.55, 41779	0.12844	0.14895	144.25948	74.57026	18.03243	9.63087	1.8456E-10	1.34E-12	1.86E-10	2.07E-07	6.73E-10	2.08E-07	2.59E-08	1.63E-10	2.61E-08	5.74E-14	1.73E-13	1E-13	2.61E-14	6.31E-13	3.48E-14	6.91921E-13	9.295E-09	2.0797E-07	2.61E-08	4.76733E-14	9.19413E-14	2.92865E-14	1.8827E-14
27	571350.6	4177919	0.55, 41779	0.13264	0.1484	134.13439	65.82548	16.7668	8.49886	1.90595E-10	1.34E-12	1.92E-10	1.93E-07	5.94E-10	1.93E-07	2.41E-08	1.51E-10	2.42E-08	5.92E-14	1.79E-13	1.04E-13	2.7E-14	6.51E-13	3.59E-14	7.14365E-13	9.597E-09	1.9334E-07	2.42E-08	4.92196E-14	9.49236E-14	3.02364E-14	1.94377E-14
28	571390.6	4177919	0.55, 41779	0.13487	0.1464	140.45529	51.40311	17.55691	7.98518	1.938E-10	1.32E-12	1.95E-10	2.02E-07	4.64E-10	2.02E-07	2.52E-08	1.59E-10	2.54E-08	6.02E-14	1.82E-13	1.05E-13	2.74E-14	6.62E-13	3.65E-14	7.26224E-13	9.756E-09	2.0229E-07	2.54E-08	5.00367E-14	9.64994E-14	3.07384E-14	1.97604E-14
29	571430.6	4177919	0.55, 41779	0.14548	0.15293	139.19794	49.3636	17.39974	7.65374	2.09046E-10	1.38E-12	2.1E-10	2E-07	4.46E-10	2E-07	2.5E-08	1.57E-10	2.52E-08	6.49E-14	1.96E-13	1.13E-13	2.96E-14	7.14E-13	3.94E-14	7.83187E-13	1.052E-08	2.0046E-07	2.52E-08	5.39615E-14	1.04069E-13	3.31494E-14	2.13103E-14
30	571470.6	4177919	0.55, 41779	0.15916	0.16179	134.87595	45.89373	16.85949	6.86379	2.28703E-10	1.46E-12	2.3E-10	1.94E-07	4.14E-10	1.94E-07	2.42E-08	1.52E-10	2.44E-08	7.1E-14	2.14E-13	1.24E-13	3.23E-14	7.81E-13	4.31E-14	8.56647E-13	1.151E-08	1.9422E-07	2.44E-08	5.90229E-14	1.1383E-13	3.62587E-14	2.33092E-14
31	571510.6	4177919	0.55, 41779	0.17426	0.17151	122.2315	42.4201	15.27894	5.85942	2.50401E-10	1.55E-12	2.52E-10	1.76E-07	3.83E-10	1.76E-07	2.2E-08	1.38E-10	2.21E-08	7.77E-14	2.35E-13	1.36E-13	3.54E-14	8.55E-13	4.72E-14	9.37731E-13	1.26E-08	1.7602E-07	2.21E-08	6.46095E-14	1.24604E-13	3.96907E-14	2.55154E-14
32	571550.6	4177919	0.55, 41779	0.18787	0.18026	112.99449	35.73716	14.12431	5.76206	2.69958E-10	1.63E-12	2.72E-10	1.62E-07	3.23E-10	1.63E-07	2.03E-08	1.28E-10	2.04E-08	8.38E-14	2.53E-13	1.46E-13	3.82E-14	9.22E-13	5.09E-14	1.01081E-12	1.358E-08	1.6269E-07	2.04E-08	6.96449E-14	1.34315E-13	4.2784E-14	2.7504E-14
33	571590.6	4177919	0.55, 41779	0.19949	0.18751	94.68734	29.26563	11.83592	5.30509	2.86655E-10	1.69E-12	2.88E-10	1.36E-07	2.64E-10	1.36E-07	1.7E-08	1.07E-10	1.71E-08	8.9E-14	2.69E-13	1.56E-13	4.05E-14	9.79E-13	5.4E-14	1.0732E-12	1.442E-08	1.3632E-07	1.71E-08	7.39435E-14	1.42605E-13	4.54247E-14	2.92016E-14
34	570310.6	4177959	0.55, 41779	0.08597	0.06676	56.89619	26.25101	7.11202	4.18522	1.23534E-10	6.03E-13	1.24E-10	8.18E-08	2.37E-10	8.2E-08	1.02E-08	6.42E-11	1.03E-08	3.83E-14	1.16E-13	6.7E-14	1.74E-14	4.21E-13	2.32E-14	4.62023E-13	6.207E-09	8.1993E-08	1.03E-08	3.18333E-14	6.13929E-14	1.95557E-14	1.25715E-14
35	570350.6	4177959	0.55, 41779	0.09204	0.07257	58.96006	27.16756	7.37001	4.19821	1.32256E-10	6.55E-13	1.33E-10	8.47E-08	2.45E-10	8.5E-08	1.06E-08	6.65E-11	1.07E-08	4.1E-14	1.24E-13	7.17E-14	1.87E-14	4.51E-13	2.49E-14	4.94682E-13	6.646E-09	8.4967E-08	1.07E-08	3.40835E-14	6.57325E-14	2.0938E-14	1.34602E-14
36	570390.6	4177959	0.55, 41779	0.09833	0.07904	63.0038	28.02201	7.87548	4.15896	1.41294E-10	7.14E-13	1.42E-10	9.05E-08	2.53E-10	9.08E-08	1.13E-08	7.11E-11	1.14E-08	4.38E-14	1.32E-13	7.66E-14	2E-14	4.82E-13	2.66E-14	5.28539E-13	7.1E-09	9.0786E-08	1.14E-08	3.64163E-14	7.02314E-14	2.23711E-14	1.43814E-14
37	570430.6	4177959	0.55, 41779	0.10461	0.08611	70.72142	28.76698	8.84018	4.23038	1.50318E-10	7.78E-13	1.51E-10	1.02E-07	2.60E-10	1.02E-07	1.27E-08	7.98E-11	1.28E-08	4.66E-14	1.41E-13	8.15E-14	2.12E-14	5.13E-13	2.83E-14	5.62363E-13	7.555E-09	1.0188E-07	1.28E-08	3.87467E-14	7.47258E-14	2.38027E-14	1.53018E-14
38	570470.6	4177959	0.55, 41779	0.11098	0.09385	78.78718	29.82596	9.8484	4.47695	1.59471E-10	8.47E-13	1.6E-10	1.13E-07	2.69E-10	1.13E-07	1.42E-08	8.89E-11	1.42E-08	4.95E-14	1.49E-13	8.65E-14	2.25E-14	5.44E-13	3E-14	5.96691E-13	8.016E-09	1.1348E-07	1.42E-08	4.11119E-14	7.92872E-14	2.52557E-14	1.62358E-14
39	570510.6	4177959	0.55, 41779	0.1169	0.10189	83.26174	30.87615	10.40772	4.70339	1.67978E-10	9.20E-13	1.69E-10	1.2E-07	2.79E-10	1.2E-07	1.5E-08	9.40E-11	1.5E-08	5.21E-14	1.57E-13	9.11E-14	2.37E-14	5.73E-13	3.16E-14	6.28622E-13	8.445E-09	1.1992E-07	1.5E-08	4.3312E-14	8.35302E-14	2.66072E-14	1.71047E-14
40	570550.6	4177959	0.55, 41779	0.12213	0.11	82.46075	31.83495	10.30759	4.9071	1.75493E-10	9.93E-13	1.76E-10	1.18E-07	2.87E-10	1.19E-07	1.48E-08	9.31E-11	1.49E-08	5.45E-14	1.64E-13	9.52E-14	2.48E-14	5.99E-13	3.3E-14	6.56865E-13	8.824E-09	1.1878E-07	1.49E-08	4.52579E-14	8.72831E-14	2.78027E-14	1.78731E-14
41	570590.6	4177959	0.55, 41779	0.1275	0.1185	87.61849	32.53805	10.95231	5.6614	1.8321E-10	1.07E-12	1.84E-10	1.26E-07	2.94E-10	1.26E-07	1.57E-08	9.89E-11	1.58E-08	5.69E-14	1.72E-13	9.94E-14	2.59E-14	6.25E-13	3.45E-14	6.8587E-13	9.214E-09	1.262E-07	1.58E-08	4.72564E-14	9.11373E-14	2.90304E-14	1.86624E-14
42	570630.6	4177959	0.55, 41779	0.13429	0.12721	94.25098	33.95012	11.78137	6.34882	1.92966E-10	1.15E-12	1.94E-10	1.35E-07	3.07E-10	1.36E-07	1.69E-08	1.06E-10	1.7E-08	5.99E-14	1.81E-13	1.05E-13	2.73E-14	6.59E-13	3.63E-14	7.22477E-13	9.706E-09	1.3574E-07	1.7E-08	4.97786E-14	9.60015E-14	3.05798E-14	1.96584E-14
43	570670.6	4177959	0.55, 41779	0.1434	0.13582	91.47953	35.4429	12.89467	6.97952	2.06057E-10	1.23E-12	2.07E-10	1.31E-07	3.20E-10	1.32E-07	1.85E-08	1.16E-10	1.86E-08	6.4E-14	1.93E-13	1.12E-13	2.91E-14	7.04E-13	3.88E-14	7.71488E-13	1.036E-08	1.3177E-07	1.86E-08	5.31554E-14	1.02514E-13	3.26542E-14	2.0992E-14
44	570710.6	4177959	0.55, 41779	0.15342	0.14402	103.54122	38.62398	12.94265	7.57754	2.20455E-10	1.30E-12	2.22E-10	1.49E-07	3.49E-10	1.49E-07	1.86E-08	1.17E-10	1.87E-08	6.84E-14	2.07E-13	1.2E-13	3.12E-14	7.53E-13	4.15E-14	8.25352E-13	1.109E-08	1.4913E-07	1.87E-08	5.68666E-14	1.09671E-13	3.49341E-14	2.24576E-14
45	570750.6	4177959	0.55, 41779	0.16261	0.1515	105.52732	44.38977	13.19092	8.09206	2.33661E-10	1.37E-12	2.35E-10	1.52E-07	4.01E-10	1.52E-07	1.9E-08	1.19E-10	1.91E-08	7.25E-14	2.19E-13	1.27E-13	3.3E-14	7.98E-13	4.4E-14	8.74753E-13	1.175E-08	1.5204E-07	1.91E-08	6.02703E-14	1.16236E-13	3.7025E-14	2.38018E-14
46	570790.6	4177959	0.55, 41779	0.16989	0.15823	113.60479	47.24143	14.2006	8.3928	2.44121E-10	1.43E-12	2.46E-10	1.63E-07	4.27E-10	1.64E-07	2.04E-08	1.28E-10	2.05E-08	7.58E-14	2.29E-13	1.32E-13	3.45E-14	8.33E-13	4.6E-14	9.13913E-13	1.228E-08	1.6367E-07	2.05E-08	6.29685E-14	1.21439E-13	3.86826E-14	2.48674E-14
47	570830.6	4177959	0.55, 41779	0.1738	0.16401	115.20896	49.45722	14.40112	8.28774	2.4974E-10	1.48E-12	2.51E-10	1.66E-07	4.47E-10	1.66E-07	2.07E-08	1.30E-10	2.08E-08	7.75E-14	2.34E-13	1.36E-13	3.53E-14	8.53E-13	4.7E-14	9.35019E-13	1.256E-08	1.6599E-07	2.08E-08	6.44227E-14	1.24244E-13	3.95759E-14	2.54416E-14
48	570870.6	4177959	0.55, 41779	0.17339	0.16851	122.33209	52.01335	15.29151	7.46689	2.49151E-10	1.52E-12	2.51E-10	1.76E-07	4.70E-10	1.76E-07	2.2E-08	1.38E-10	2.21E-08	7.74E-14	2.34E-13	1.35E-13	3.52E-14	8.51E-13	4.69E-14	9.32977E-13	1.253E-08	1.7625E-07	2.21E-08	6.4282E-14	1.23972E-13	3.94895E-14	2.53861E-14
49	570910.6	4177959	0.55, 41779	0.16973	0.17204	128.70888	55.67631	16.08861	6.95954	2.43892E-10	1.55E-12	2.45E-10	1.85E-07	5.03E-10	1.85E-07	2.31E-08	1.45E-10	2.33E-08	7.57E-14	2.29E-13	1.32E-13	3.45E-14	8.33E-13	4.6E-14	9.13522E-13	1.227E-08	1.8545E-07	2.33E-08	6.29415E-14	1.21387E-13	3.8666E-14	2.48567E-14
50	570950.6	4177959	0.55, 41779	0.16375	0.1746	137.78687	58.35606	21.41966	8.40086	2.35299E-10	1.58E-12	2.37E-10	1.98E-07	5.27E-10	1.99E-07	3.08E-08	1.93E-10	3.1E-08	7.31E-14	2.21E-13	1.28E-13	3.33E-14	8.04E-13	4.44E-14	8.81626E-13	1.184E-08	1.9852E-07	3.1E-08	6.07439E-14	1.17149E-13	3.7316E-14	2.39888E-14
51	570990.6	4177959	0.55, 41779	0.1571	0.17611	148.41379	62.43724	21.20197	10.20575	2.25743E-10	1.59E-12	2.27E-10	2.13E-07	5.64E-10	2.14E-07	3.05E-08	1.91E-10	3.07E-08	7.02E-14	2.12E-13	1.23E-13	3.19E-14	7.72E-13	4.26E-14	8.46111E-13	1.137E-08	2.1383E-07	3.07E-08	5.8297E-14	1.1243E-13	3.58128E-14	2.30225E-14
52	571030.6	4177959	0.55, 41779	0.15135	0.1787	141.29712	68.4386	19.05284	11.40643	2.17481E-10	1.61E-12	2.19E-10	2.03E-07	6.18E-10	2.04E-07	2.74E-08	1.72E-10	2.75E-08	6.76E-14	2.04E-13	1.18E-13	3.08E-14	7.44E-13	4.1E-14	8.15447E-13	1.095E-08	2.0365E-07	2.75E-08	5.61842E-14	1.08355E-13	3.45148E-14	2.21881E-14
53	571070.6	4177959	0.55, 41779	0.14838	0.1815	143.49488	74.36914	18.79197	11.80682	2.13213E-10	1.64E-12	2.15E-10	2.06E-07	6.72E-10	2.07E-07	2.7E-08	1.70E-10	2.72E-08	6.63E-14	2E-13	1.16E-13	3.02E-14	7.29E-13	4.02E-14	7.99657E-13	1.074E-08	2.0686E-07	2.72E-08	5.50962E-14	1.06257E-13	3.38465E-14	2.17585E-14
54	571110.6	4177959	0.55, 41779	0.14858	0.18375	140.62761	73.34522	22.74237	10.22286	2.135E-10	1.66E-12	2.15E-10	2.02E-07	6.62E-10	2.03E-07	3.27E-08	2.05E-10	3.29E-08	6.64E-14	2E-13	1.16E-13	3.02E-14	7.3E-13	4.03E-14	8.00802E-13	1.076E-08	2.0274E-07	3.29E-08	5.51751E-14	1.06409E-13	3.3895E-14	2.17896E-14
55	571150.6	4177959	0.55, 41779	0.14994	0.18566	146.3467	67.83983	22.92053	11.48399	2.15455E-10	1.68E-12	2.17E-10	2.1E-07	6.13E-10	2.11E-07	3.29E-08	2.07E-10	3.31E-08	6.7E-14	2.02E-13	1.17E-13	3.05E-14	7.37E-13	4.07E-14	8.0814E-13	1.086E-08	2.109E-07	3.31E-08	5.56807E-14	1.07384E-13	3.42056E-14	2.19893E-14
56	571190.6	4177959	0.55, 41779	0.1525	0.18616	161.89014	78.97315	23.12716	11.84075	2.19133E-10	1.68E-12	2.21E-10	2.33E-07	7.13E-10	2.33E-07	3.32E-08	2.09E-10	3.34E-08	6.81E-14	2.06E-13	1.19E-13	3.1E-14	7.49E-13	4.13E-14	8.21848E-13	1.104E-08	2.3334E-07	3.34E-08	5.66252E-14	1.09206E-13	3.47858E-14	2.23623E-14
57	571230.6	4177959	0.55, 41779	0.15542	0.18516	156.07845	81.92899	22.29692	11.22006	2.23329E-10	1.67E-12	2.25E-10	2.24E-07	7.40E-10	2.25E-07	3.2E-08	2.01E-10	3.22E-08	6.94E-14	2.1E-13	1.21E-13	3.16E-14	7.64E-13	4.21E-14	8.37431E-13	1.125E-08	2.2501E-07	3.22E-08	5.76989E-14	1.11276E-13	3.54453E-14	2.27863E-14
58	571270.6	4177959	0.55, 41779	0.15909	0.18379	158.42767	82.70179	19.80346	11.54254	2.28603E-10	1.66E-12	2.3E-10	2.28E-07	7.47E-10	2.28E-07	2.85E-08	1.79E-10	2.86E-08	7.11E-14	2.15E-13	1.24E-13	3.24E-14	7.82E-13	4.31E-14	8.57012E-13	1.151E-08	2.284E-07	2.86E-08	5.9048E-14	1.13878E-13	3.62742E-14	2.33191E-14
59	571310.6	4177959	0.55, 41779	0.1655	0.18382	150.26158	75.50789	18.7827	10.48328	2.37813E-10	1.66E-12	2.39E-10	2.16E-07	6.82E-10	2.17E-07	2.7E-08	1.70E-10	2.72E-08	7.39E-14	2.23E-13	1.29E-13	3.36E-14	8.13E-13	4.48E-14	8.91295E-13	1.197E-08	2.166E-07	2.72E-08	6.14101E-14	1.18434E-13	3.77252E-14	2.42519E-14
60	571350.6	4177959	0.55, 41779	0.17654	0.1881	154.82597	60.83045	19.35325	9.71095	2.53677E-10	1.70E-12	2.55E-10	2.22E-07	5.49E-10	2.23E-07	2.78E-08	1.75E-10	2.8E-08	7.88E-14	2.38E-13	1.38E-13	3.59E-14	8.67E-13	4.78E-14	9.50482E-13	1.277E-08	2.2302E-07	2.8E-08	6.54881E-14	1.26298E-13	4.02304E-14	2.58624E-14
61	571390.6	4177959	0.55, 41779	0.18842	0.1934	152.92189	54.55359	19.11524	9.16318	2.70748E-10	1.75E-12	2.72E-10	2.2E-07	4.93E-10	2.2E-07	2.75E-08	1.73E-10	2.76E-08	8.41E-14	2.54E-13	1.47E-13	3.83E-14	9.25E-13	5.1E-14	1.0142E-12	1.362E-08	2.2023E-07	2.76E-08	6.9878E-14	1.34765E-13	4.29272E-14	2.7596E-14
62	571430.6	4177959	0.55, 41779	0.20645	0.20414	148.33328	50.38722	18.54166	8.09078	2.96656E-10	1.84E-12	2.98E-10	2.13E-07	4.55E-10	2.14E-07	2.66E-08	1.67E-10	2.68E-08	9.21E-14	2.78E-13	1.61E-13	4.19E-14	1.01E-12	5.59E-14	1.11098E-12	1.492E-08	2.136E-07	2.68E-08	7.65467E-14	1.47626E-13	4.70239E-14	3.02296E-14
63	571470.6	4177959	0.55, 41779	0.22554	0.21577	134.13897	46.24246	16.76737	6.92684	3.24087E-10	1.95E-12	3.26E-10	1.93E-07	4.18E-10	1.93E-07	2.41E-08	1.51E-10	2.42E-08	1.01E-13	3.04E-13	1.76E-13	4.58E-14	1.11E-12	6.1E-14	1.21347E-12	1.63E-08	1.9317E-07	2.42E-08	8.3608E-14	1.61244E-13	5.13617E-14	3.30183E-14
64	571510.6	4177959	0.55, 41779	0.24332	0.22654	122.33786	38.55117	15.29223	6.75463	3.49636E-10	2.05E-12	3.52E-10	1.76E-07	3.48E-10	1.76E-07	2.2E-08	1.38E-10	2.21E-08	1.09E-13	3.28E-13	1.9E-13	4.94E-14	1.19E-12	6.58E-14	1.30892E-12	1.758E-08	1.7614E-07	2.21E-08	9.01846E-14	1.73927E-13	5.54019E-14	3.56155E-14
65	571550.6	4177959	0.55, 41779	0.25539	0.23344	100.38932	31.1899	12.54867	6.13877	3.6698E-10	2.11E-12	3.69E-10	1.44E-07	2.82E-10	1.45E-07	1.8E-08	1.13E-10	1.81E-08	1.14E-13	3.44E-13	1.99E-13	5.19E-14	1.25E-12	6.91E-14	1.37371E-12	1.845E-08	1.4453E-07	1.81E-08	9.46482E-14	1.82536E-13	5.81439E-14	3.73782E-14
66	571590.6	4177959	0.55, 41779	0.26174	0.2364	103.20811	24.1035	12.90101	5.55119	3.76104E-10	2.13E-12	3.78E-10	1.48E-07	2.18E-10	1.49E-07	1.85E-08	1.16E-10	1.87E-08	1.17E-13	3.52E-13	2.04E-13	5.31E-14	1.28E-12	7.08E-14	1.40777E-12	1.891E-08	1.4852E-07	1.87E-08	9.69949E-14	1.87062E-13	5.95856E-14	3.8305E-14
67	570310.6	4177999	0.55, 41779	0.08992	0.06909	61.55411	26.71644	7.69426	4.42886	1.29209E-10	6.24E-13	1.3E-10	8.84E-08	2.41E-10	8.87E-08	1.11E-08	6.95E-11	1.11E-08	4.01E-14	1.21E-13	7E-14	1.82E-14	4.41E-13	2.43E-14	4.83227E-13	6.492E-09	8.8691E-08	1.11E-08	3.32943E-14	6.42103E-14	2.04532E-14	1.31485E-14
68	570350.6	4177999	0.55, 41779	0.09687	0.07551	63.16088	27.72336	7.89511	4.52605	1.39196E-10	6.82E-13	1.4E-10	9.08E-08	2.50E-10	9.1E-08	1.13E-08	7.13E-11	1.14E-08	4.32E-14	1.3E-13	7.54E-14	1.97E-14	4.75E-13	2.62E-14	5.20612E-13	6.994E-09	9.1009E-08	1.14E-08	3.58701E-14	6.9178E-14	2.20356E-14	1.41657E-14
69	570390.6	4177999	0.55, 41779	0.10411	0.08268	65.18315	28.66629	8.14789	4.5901	1.496E-10	7.47E-13	1.5E-10	9.37E-08	2.59E-10	9.39E-08	1.17E-08	7.36E-11	1.18E-08	4.64E-14	1.4E-13	8.11E-14	2.11E-14	5.1E-13	2.82E-14	5.59574E-13	7.517E-09	9.3923E-08	1.18E-08	3.85545E-14	7.43552E-14	2.36847E-14	1.52259E-14
70	570430.6	4177999	0.55, 41779	0.11178	0.0909	69.77828	29.77159	8.72229	4.64595	1.60621E-10	8.21E-13	1.61E-10	1E-07	2.69E-10	1.01E-07	1.25E-08	7.88E-11	1.26E-08	4.98E-14	1.5E-13	8.71E-14	2.27E-14	5.48E-13	3.02E-14	6.0087E-13	8.072E-09	1.0054E-07	1.26E-08	4.13999E-14	7.98426E-14	2.54326E-14	1.63495E-14
71	570470.6	4177999	0.55, 41779	0.11947	0.09994	73.23749	30.82615	9.15469	4.70414	1.71671E-10	9.02E-13	1.73E-10	1.05E-07	2.78E-10	1.06E-07	1.32E-08	8.27E-11	1.32E-08	5.33E-14	1.61E-13	9.31E-14	2.42E-14	5.86E-13	3.23E-14	6.42301E-13	8.629E-09	1.0552E-07	1.32E-08	4.42544E-14	8.53479E-14	2.71862E-14	1.74769E-14
72	570510.6	4177999	0.55, 41779	0.12689	0.1096	83.36058	31.87471	10.42007	5.00665	1.82333E-10	9.90E-13	1.83E-10	1.2E-07	2.88E-10	1.2E-07	1.5E-08	9.41E-11	1.51E-08	5.66E-14	1.71E-13	9.89E-14	2.58E-14	6.22E-13	3.43E-14	6.82309E-13	9.166E-09	1.2007E-07	1.51E-08	4.7011E-14	9.0664E-14	2.88796E-14	1.85655E-14
73	570550.6	4177999	0.55, 41779	0.1338	0.11968	93.92369	33.13511	11.74046	5.30601	1.92262E-10	1.08E-12	1.93E-10	1.35E-07	2.99E-10	1.35E-07	1.69E-08	1.06E-10	1.7E-08	5.97E-14	1.8E-13	1.04E-13	2.72E-14	6.56E-13	3.62E-14	7.19603E-13	9.667E-09	1.3526E-07	1.7E-08	4.95806E-14	9.56197E-14	3.04581E-14	1.95802E-14
74	570590.6	4177999	0.55, 41779	0.14077	0.13095	98.98148	34.43475	12.37268	5.77536	2.02278E-10	1.18E-12	2.03E-10	1.42E-07	3.11E-10	1.43E-07	1.78E-08	1.12E-10	1.79E-08	6.28E-14	1.9E-13	1.1E-13	2.86E-14	6.91E-13	3.81E-14	7.57259E-13	1.017E-08	1.4254E-07	1.79E-08	5.2175E-14	1.00623E-13	3.2052E-14	2.06048E-14
75	570630.6	4177999	0.55, 41779	0.14863	0.14246	96.29887	35.58815	12.03736	6.62596	2.13572E-10	1.29E-12	2.15E-10	1.38E-07	3.21E-10	1.39E-07	1.73E-08	1.09E-10	1.74E-08	6.63E-14	2E-13	1.16E-13	3.02E-14	7.29E-13	4.02E-14	7.99682E-13	1.074E-08	1.387E-07	1.74E-08	5.5098E-14	1.0626E-13	3.38476E-14	2.17592E-14
76	570670.6	4177999	0.55, 41779	0.15906	0.15417	108.0953	37.02771	13.51191	7.37805	2.28559E-10	1.39E-12	2.3E-10	1.55E-07	3.34E-10	1.56E-07	1.94E-08	1.22E-10	1.95E-08	7.1E-14	2.14E-13	1.24E-13	3.23E-14	7.8E-13	4.31E-14	8.55856E-13	1.15E-08	1.5566E-07	1.95E-08	5.89684E-14	1.13725E-13	3.62252E-14	2.32877E-14
77	570710.6	4177999	0.55, 41779	0.17207	0.16581	109.21603	39.28347	14.39109	8.06843	2.47254E-10	1.50E-12	2.49E-10	1.57E-07	3.55E-10	1.57E-07	2.07E-08	1.30E-10	2.08E-08	7.68E-14	2.32E-13	1.34E-13	3.5E-14	8.44E-13	4.66E-14	9.25827E-13	1.244E-08	1.5729E-07	2.08E-08	6.37893E-14	1.23022E-13	3.91868E-14	2.51915E-14
78	570750.6	4177999	0.55, 41779	0.18601	0.17706	119.66853	46.10023	14.95857	8.7788	2.67285E-10	1.60E-12	2.69E-10	1.72E-07	4.16E-10	1.72E-07	2.15E-08	1.35E-10	2.16E-08	8.3E-14	2.51E-13	1.45E-13	3.78E-14	9.13E-13	5.03E-14	1.00076E-12	1.344E-08	1.7237E-07	2.16E-08	6.89521E-14	1.32979E-13	4.23584E-14	2.72304E-14
79	570790.6	4177999	0.55, 41779	0.19953	0.18772	122.67556	49.8289	15.33445	9.45426	2.86712E-10	1.70E-12	2.88E-10	1.76E-07	4.50E-10	1.77E-07	2.2E-08	1.38E-10	2.22E-08	8.9E-14	2.69E-13	1.56E-13	4.05E-14	9.79E-13	5.4E-14	1.07342E-12	1.442E-08	1.7673E-07	2.22E-08	7.39587E-14	1.42635E-13	4.5434E-14	2.92076E-14
80	570830.6	4177999	0.55, 41779	0.21109	0.19773	133.54261	52.4094	16.69283	9.90962	3.03323E-10	1.79E-12	3.05E-10	1.92E-07	4.73E-10	1.92E-07	2.4E-08	1.51E-10	2.41E-08	9.42E-14	2.84E-13	1.65E-13	4.29E-14	1.04E-12	5.71E-14	1.13558E-12	1.526E-08	1.9237E-07	2.41E-08	7.82416E-14	1.50894E-13	4.80651E-14	3.0899E-14
81	570870.6	4177999	0.55, 41779	0.21804	0.20674	131.45449	55.15858	16.43181	9.77159	3.1331E-10	1.87E-12	3.15E-10	1.89E-07	4.98E-10	1.89E-07	2.36E-08	1.48E-10	2.38E-08	9.73E-14	2.94E-13	1.7E-13	4.43E-14	1.07E-12	5.9E-14	1.17306E-12	1.576E-08	1.8939E-07	2.38E-08	8.08234E-14	1.55874E-13	4.96511E-14	3.19186E-14
82	570910.6	4177999	0.55, 41779	0.21803	0.21414	148.11273	59.13207	18.51409	8.43226	3.13296E-10	1.93E-12	3.15E-10	2.13E-07	5.34E-10	2.13E-07	2.66E-08	1.67E-10	2.68E-08	9.73E-14	2.94E-13	1.7E-13	4.43E-14	1.07E-12	5.9E-14	1.17325E-12	1.576E-08	2.1336E-07	2.68E-08	8.08369E-14	1.559E-13	4.96594E-14	3.19239E-14
83	570950.6	4177999	0.55, 41779	0.2114	0.21889	140.12444	63.58464	21.83562	9.32684	3.03769E-10	1.98E-12	3.06E-10	2.01E-07	5.74E-10	2.02E-07	3.14E-08	1.97E-10	3.16E-08	9.43E-14	2.85E-13	1.65E-13	4.3E-14	1.04E-12	5.72E-14	1.13795E-12	1.529E-08	2.0192E-07	3.16E-08	7.84048E-14	1.51209E-13	4.81653E-14	3.09634E-14
84	570990.6	4177999	0.55, 41779	0.2013	0.22185	171.25011	67.61488	25.43318	11.18299	2.89256E-10	2.00E-12	2.91E-10	2.46E-07	6.11E-10	2.47E-07	3.65E-08	2.30E-10	3.68E-08	8.99E-14	2.71E-13	1.57E-13	4.09E-14	9.89E-13	5.45E-14	1.08404E-12	1.456E-08	2.4669E-07	3.68E-08	7.469E-14	1.44045E-13	4.58833E-14	2.94964E-14
85	571030.6	4177999	0.55, 41779	0.19301	0.22456	161.4506	75.02365	21.94671	12.50394	2.77343E-10	2.03E-12	2.79E-10	2.32E-07	6.77E-10	2.33E-07	3.15E-08	1.98E-10	3.17E-08	8.62E-14	2.6E-13	1.51E-13	3.93E-14	9.48E-13	5.23E-14	1.03979E-12	1.397E-08	2.3267E-07	3.17E-08	7.16415E-14	1.38166E-13	4.40105E-14	2.82925E-14
86	571070.6	4177999	0.55, 41779	0.18927	0.22808	165.36156	82.48884	21.97245	12.95225	2.71969E-10	2.06E-12	2.74E-10	2.38E-07	7.45E-10	2.38E-07	3.16E-08	1.98E-10	3.18E-08	8.46E-14	2.55E-13	1.48E-13	3.85E-14	9.3E-13	5.13E-14	1.01991E-12	1.37E-08	2.3836E-07	3.18E-08	7.02715E-14	1.35524E-13	4.31689E-14	2.77514E-14
87	571110.6	4177999	0.55, 41779	0.18141	0.21619	158.60632	80.72549	25.62624	11.81551	2.60675E-10	1.95E-12	2.63E-10	2.28E-07	7.29E-10	2.29E-07	3.68E-08	2.31E-10	3.71E-08	8.1E-14	2.45E-13	1.42E-13	3.69E-14	8.91E-13	4.92E-14	9.77472E-13	1.313E-08	2.2864E-07	3.71E-08	6.73477E-14	1.29885E-13	4.13728E-14	2.65968E-14
88	571150.6	4177999	0.55, 41779	0.19202	0.23351	164.05988	80.42402	24.96785	14.13496	2.75921E-10	2.11E-12	2.78E-10	2.36E-07	7.26E-10	2.36E-07	3.59E-08	2.25E-10	3.61E-08	8.58E-14	2.59E-13	1.5E-13	3.91E-14	9.44E-13	5.21E-14	1.0348E-12	1.39E-08	2.3647E-07	3.61E-08	7.12974E-14	1.37502E-13	4.37992E-14	2.81566E-14
89	571190.6	4177999	0.55, 41779	0.1978	0.23414	182.21875	91.74664	26.03125	13.21695	2.84226E-10	2.11E-12	2.86E-10	2.62E-07	8.28E-10	2.63E-07	3.74E-08	2.35E-10	3.76E-08	8.84E-14	2.67E-13	1.54E-13	4.02E-14	9.72E-13	5.36E-14	1.06573E-12	1.432E-08	2.6267E-07	3.76E-08	7.34287E-14	1.41613E-13	4.51085E-14	2.89983E-14
90	571230.6	4177999	0.55, 41779	0.20367	0.23289	172.67663	91.69738	22.62496	13.85272	2.92661E-10	2.10E-12	2.95E-10	2.48E-07	8.28E-10	2.49E-07	3.25E-08	2.04E-10	3.27E-08	9.1E-14	2.75E-13	1.59E-13	4.14E-14	1E-12	5.52E-14	1.09708E-12	1.474E-08	2.4895E-07	3.27E-08	7.55888E-14	1.45778E-13	4.64354E-14	2.98514E-14
91	571270.6	4177999	0.55, 41779	0.21358	0.23476	171.66845	86.35935	21.45856	13.01074	3.06901E-10	2.12E-12	3.09E-10	2.47E-07	7.80E-10	2.47E-07	3.08E-08	1.94E-10	3.1E-08	9.54E-14	2.88E-13	1.67E-13	4.34E-14	1.05E-12	5.79E-14	1.15015E-12	1.545E-08	2.4746E-07	3.1E-08	7.92449E-14	1.52829E-13	4.86814E-14	3.12952E-14
92	571310.6	4177999	0.55, 41779	0.23025	0.24083	171.26207	72.34733	21.40776	11.81711	3.30855E-10	2.17E-12	3.33E-10	2.46E-07	6.53E-10	2.47E-07	3.08E-08	1.93E-10	3.1E-08	1.03E-13	3.1E-13	1.8E-13	4.68E-14	1.13E-12	6.24E-14	1.2395E-12	1.665E-08	2.4675E-07	3.1E-08	8.54016E-14	1.64703E-13	5.24636E-14	3.37266E-14
93	571350.6	4177999	0.55, 41779	0.25373	0.25254	169.27826	60.68614	21.15978	11.13084	3.64594E-10	2.28E-12	3.67E-10	2.43E-07	5.48E-10	2.44E-07	3.04E-08	1.91E-10	3.06E-08	1.13E-13	3.42E-13	1.98E-13	5.16E-14	1.25E-12	6.87E-14	1.36547E-12	1.834E-08	2.4379E-07	3.06E-08	9.40807E-14	1.81441E-13	5.77953E-14	3.71541E-14
94	571390.6	4177999	0.55, 41779	0.27999	0.26698	164.13881	55.69534	20.51735	9.69774	4.02328E-10	2.41E-12	4.05E-10	2.36E-07	5.03E-10	2.36E-07	2.95E-08	1.85E-10	2.97E-08	1.25E-13	3.77E-13	2.18E-13	5.69E-14	1.37E-12	7.58E-14	1.5064E-12	2.024E-08	2.3636E-07	2.97E-08	1.03791E-13	2.00168E-13	6.37603E-14	4.09887E-14
95	571430.6	4177999	0.55, 41779	0.30187	0.27888	148.06777	50.74185	18.50847	8.30154	4.33769E-10	2.52E-12	4.36E-10	2.13E-07	4.58E-10	2.13E-07	2.66E-08	1.67E-10	2.68E-08	1.35E-13	4.06E-13	2.35E-13	6.13E-14	1.48E-12	8.17E-14	1.62382E-12	2.181E-08	2.1322E-07	2.68E-08	1.11881E-13	2.1577E-13	6.87301E-14	4.41836E-14
96	571470.6	4177999	0.55, 41779	0.32222	0.29016	133.22849	41.8567	16.65356	8.00082	4.6301E-10	2.62E-12	4.66E-10	1.91E-07	3.78E-10	1.92E-07	2.39E-08	1.50E-10	2.41E-08	1.44E-13	4.34E-13	2.51E-13	6.54E-14	1.58E-12	8.72E-14	1.73303E-12	2.328E-08	1.9182E-07	2.41E-08	1.19405E-13	2.30282E-13	7.33527E-14	4.71553E-14
97	571510.6	4177999	0.55, 41779	0.33311	0.29527	113.25391	33.39085	14.15674	7.16119	4.78659E-10	2.67E-12	4.81E-10	1.63E-07	3.02E-10	1.63E-07	2.03E-08	1.28E-10	2.05E-08	1.49E-13	4.48E-13	2.6E-13	6.76E-14	1.63E-12	9.01E-14	1.79144E-12	2.407E-08	1.6304E-07	2.05E-08	1.2343E-13	2.38044E-13	7.58251E-14	4.87447E-14
98	571550.6	4177999	0.55, 41779	0.33431	0.29408	118.79132	25.19774	14.84891	6.75336	4.80383E-10	2.66E-12	4.83E-10	1.71E-07	2.28E-10	1.71E-07	2.13E-08	1.34E-10	2.15E-08	1.49E-13	4.5E-13	2.61E-13	6.79E-14	1.64E-12	9.04E-14	1.79782E-12	2.415E-08	1.7092E-07	2.15E-08	1.2387E-13	2.38891E-13	7.60951E-14	4.89183E-14
99	571590.6	4177999	0.55, 41779	0.32897	0.28857	117.12124	19.87515	14.64016	6.7762	4.7271E-10	2.61E-12	4.75E-10	1.68E-07	1.79E-10	1.68E-07	2.1E-08	1.32E-10	2.12E-08	1.47E-13	4.43E-13	2.56E-13	6.68E-14	1.61E-12	8.9E-14	1.76908E-12	2.377E-08	1.6848E-07	2.12E-08	1.21889E-13	2.35072E-13	7.48784E-14	4.81361E-14
100	570310.6	4178039	0.55, 41780	0.09395	0.07118	60.38117	27.45867	7.54765	4.57644	1.35E-10	6.43E-13	1.36E-10	8.68E-08	2.48E-10	8.7E-08	1.08E-08	6.82E-11	1.09E-08	4.19E-14	1.26E-13	7.32E-14	1.91E-14	4.6E-13	2.54E-14	5.0485E-13	6.782E-09	8.7012E-08	1.09E-08	3.47841E-14	6.70836E-14	2.13684E-14	1.37368E-14
101	570350.6	4178039	0.55, 41780	0.10181	0.07823	67.40685	28.30867	8.42586	4.71811	1.46295E-10	7.06E-13	1.47E-10	9.69E-08	2.56E-10	9.71E-08	1.21E-08	7.61E-11	1.22E-08	4.54E-14	1.37E-13	7.93E-14	2.07E-14	4.99E-13	2.75E-14	5.47123E-13	7.35E-09	9.7115E-08	1.22E-08	3.76967E-14	7.27008E-14	2.31577E-14	1.48871E-14
102	570390.6	4178039	0.55, 41780	0.11033	0.08626	70.86935	29.39362	8.85867	4.86131	1.58537E-10	7.79E-13	1.59E-10	1.02E-07	2.65E-10	1.02E-07	1.27E-08	8.00E-11	1.28E-08	4.92E-14	1.48E-13	8.59E-14	2.24E-14	5.41E-13	2.98E-14	5.92959E-13	7.966E-09	1.021E-07	1.28E-08	4.08548E-14	7.87914E-14	2.50978E-14	1.61343E-14
103	570430.6	4178039	0.55, 41780	0.11935	0.09539	72.77771	30.53752	9.09721	4.99157	1.71499E-10	8.61E-13	1.72E-10	1.05E-07	2.76E-10	1.05E-07	1.31E-08	8.21E-11	1.32E-08	5.32E-14	1.61E-13	9.3E-14	2.42E-14	5.85E-13	3.23E-14	6.41506E-13	8.618E-09	1.0485E-07	1.32E-08	4.41997E-14	8.52423E-14	2.71526E-14	1.74552E-14
104	570470.6	4178039	0.55, 41780	0.12876	0.10583	77.88414	31.78332	9.73552	5.12346	1.8502E-10	9.56E-13	1.86E-10	1.12E-07	2.87E-10	1.12E-07	1.4E-08	8.79E-11	1.41E-08	5.74E-14	1.73E-13	1E-13	2.61E-14	6.31E-13	3.48E-14	6.92183E-13	9.299E-09	1.122E-07	1.41E-08	4.76913E-14	9.19761E-14	2.92976E-14	1.88341E-14
105	570510.6	4178039	0.55, 41780	0.13797	0.11733	81.61557	33.05226	10.20195	5.27698	1.98254E-10	1.06E-12	1.99E-10	1.17E-07	2.98E-10	1.18E-07	1.47E-08	9.21E-11	1.48E-08	6.15E-14	1.86E-13	1.08E-13	2.8E-14	6.76E-13	3.73E-14	7.41826E-13	9.966E-09	1.1757E-07	1.48E-08	5.11117E-14	9.85726E-14	3.13988E-14	2.01849E-14
106	570550.6	4178039	0.55, 41780	0.14677	0.12979	83.22783	34.40977	10.40348	5.64664	2.10899E-10	1.17E-12	2.12E-10	1.2E-07	3.11E-10	1.2E-07	1.49E-08	9.39E-11	1.5E-08	6.54E-14	1.98E-13	1.14E-13	2.98E-14	7.2E-13	3.97E-14	7.89308E-13	1.06E-08	1.199E-07	1.5E-08	5.43832E-14	1.04882E-13	3.34085E-14	2.14769E-14
107	570590.6	4178039	0.55, 41780	0.15543	0.14397	100.7883	35.81672	12.59854	6.05306	2.23343E-10	1.30E-12	2.25E-10	1.45E-07	3.23E-10	1.45E-07	1.81E-08	1.14E-10	1.82E-08	6.93E-14	2.09E-13	1.21E-13	3.16E-14	7.62E-13	4.21E-14	8.361E-13	1.123E-08	1.4515E-07	1.82E-08	5.76072E-14	1.111E-13	3.5389E-14	2.27501E-14
108	570630.6	4178039	0.55, 41780	0.16446	0.15887	114.63184	37.47906	14.32898	6.85921	2.36319E-10	1.43E-12	2.38E-10	1.65E-07	3.38E-10	1.65E-07	2.06E-08	1.29E-10	2.07E-08	7.34E-14	2.22E-13	1.28E-13	3.34E-14	8.07E-13	4.45E-14	8.84894E-13	1.189E-08	1.6506E-07	2.07E-08	6.09691E-14	1.17583E-13	3.74543E-14	2.40778E-14
109	570670.6	4178039	0.55, 41780	0.17604	0.17458	120.19022	39.09251	15.02378	7.81169	2.52959E-10	1.58E-12	2.55E-10	1.73E-07	3.53E-10	1.73E-07	2.16E-08	1.36E-10	2.17E-08	7.85E-14	2.37E-13	1.37E-13	3.58E-14	8.64E-13	4.77E-14	9.47354E-13	1.273E-08	1.7306E-07	2.17E-08	6.52725E-14	1.25883E-13	4.0098E-14	2.57773E-14
110	570710.6	4178039	0.55, 41780	0.19156	0.191	122.05191	40.81454	15.86896	8.63568	2.7526E-10	1.72E-12	2.77E-10	1.75E-07	3.69E-10	1.76E-07	2.28E-08	1.43E-10	2.29E-08	8.55E-14	2.58E-13	1.49E-13	3.89E-14	9.4E-13	5.19E-14	1.03091E-12	1.385E-08	1.7575E-07	2.29E-08	7.10295E-14	1.36985E-13	4.36346E-14	2.80508E-14
111	570750.6	4178039	0.55, 41780	0.2105	0.20761	132.53323	47.68084	16.56665	9.43658	3.02476E-10	1.87E-12	3.04E-10	1.9E-07	4.31E-10	1.91E-07	2.38E-08	1.50E-10	2.4E-08	9.39E-14	2.84E-13	1.64E-13	4.28E-14	1.03E-12	5.7E-14	1.13276E-12	1.522E-08	1.9087E-07	2.4E-08	7.80471E-14	1.50519E-13	4.79456E-14	3.08222E-14
112	570790.6	4178039	0.55, 41780	0.23169	0.22417	139.552	52.7884	17.444	10.33029	3.32924E-10	2.02E-12	3.35E-10	2.01E-07	4.77E-10	2.01E-07	2.51E-08	1.58E-10	2.52E-08	1.03E-13	3.12E-13	1.81E-13	4.71E-14	1.14E-12	6.27E-14	1.24664E-12	1.675E-08	2.01E-07	2.52E-08	8.58936E-14	1.65652E-13	5.27658E-14	3.39209E-14
113	570830.6	4178039	0.55, 41780	0.25382	0.24067	145.24751	55.81087	18.15594	11.28689	3.64724E-10	2.17E-12	3.67E-10	2.09E-07	5.04E-10	2.09E-07	2.61E-08	1.64E-10	2.63E-08	1.13E-13	3.42E-13	1.98E-13	5.16E-14	1.25E-12	6.87E-14	1.36555E-12	1.834E-08	2.0922E-07	2.63E-08	9.40864E-14	1.81452E-13	5.77988E-14	3.71564E-14
114	570870.6	4178039	0.55, 41780	0.27385	0.25672	159.27674	59.06353	19.90959	12.04587	3.93506E-10	2.32E-12	3.96E-10	2.29E-07	5.33E-10	2.29E-07	2.86E-08	1.80E-10	2.88E-08	1.22E-13	3.69E-13	2.13E-13	5.56E-14	1.34E-12	7.41E-14	1.47322E-12	1.979E-08	2.294E-07	2.88E-08	1.01504E-13	1.95758E-13	6.23558E-14	4.00859E-14
115	570910.6	4178039	0.55, 41780	0.28498	0.272	154.31681	63.03506	19.2896	11.80173	4.09499E-10	2.46E-12	4.12E-10	2.22E-07	5.69E-10	2.22E-07	2.77E-08	1.74E-10	2.79E-08	1.27E-13	3.84E-13	2.22E-13	5.79E-14	1.4E-12	7.71E-14	1.53325E-12	2.06E-08	2.2231E-07	2.79E-08	1.05641E-13	2.03736E-13	6.4897E-14	4.17195E-14
116	570950.6	4178039	0.55, 41780	0.28313	0.28254	178.15221	69.82475	22.26903	10.41815	4.0684E-10	2.55E-12	4.09E-10	2.56E-07	6.30E-10	2.57E-07	3.2E-08	2.01E-10	3.22E-08	1.26E-13	3.81E-13	2.21E-13	5.75E-14	1.39E-12	7.67E-14	1.52371E-12	2.047E-08	2.5662E-07	3.22E-08	1.04984E-13	2.02469E-13	6.44932E-14	4.14599E-14
117	570990.6	4178039	0.55, 41780	0.27042	0.28832	188.87787	74.10995	29.14051	12.35166	3.88577E-10	2.60E-12	3.91E-10	2.71E-07	6.69E-10	2.72E-07	4.19E-08	2.63E-10	4.21E-08	1.21E-13	3.64E-13	2.11E-13	5.5E-14	1.33E-12	7.32E-14	1.45593E-12	1.956E-08	2.7208E-07	4.21E-08	1.00314E-13	1.93462E-13	6.16243E-14	3.96156E-14
118	571030.6	4178039	0.55, 41780	0.25749	0.29249	188.96663	83.29257	26.99523	13.88209	3.69997E-10	2.64E-12	3.73E-10	2.72E-07	7.52E-10	2.72E-07	3.88E-08	2.44E-10	3.9E-08	1.15E-13	3.47E-13	2.01E-13	5.24E-14	1.26E-12	6.98E-14	1.38692E-12	1.863E-08	2.7229E-07	3.9E-08	9.55588E-14	1.84292E-13	5.87033E-14	3.77378E-14
119	571070.6	4178039	0.55, 41780	0.25163	0.29646	192.59035	92.57991	26.01862	14.40126	3.61577E-10	2.68E-12	3.64E-10	2.77E-07	8.36E-10	2.78E-07	3.74E-08	2.35E-10	3.76E-08	1.12E-13	3.39E-13	1.96E-13	5.12E-14	1.24E-12	6.82E-14	1.35572E-12	1.821E-08	2.7758E-07	3.76E-08	9.34086E-14	1.80145E-13	5.73824E-14	3.68887E-14
120	571110.6	4178039	0.55, 41780	0.23996	0.28057	179.79911	89.13384	29.33997	15.522	3.44808E-10	2.53E-12	3.47E-10	2.58E-07	8.05E-10	2.59E-07	4.22E-08	2.65E-10	4.24E-08	1.07E-13	3.24E-13	1.87E-13	4.88E-14	1.18E-12	6.5E-14	1.29277E-12	1.737E-08	2.5917E-07	4.24E-08	8.90716E-14	1.71781E-13	5.47181E-14	3.51759E-14
121	571150.6	4178039	0.55, 41780	0.25767	0.30302	202.30498	100.11261	28.90071	16.95197	3.70256E-10	2.74E-12	3.73E-10	2.91E-07	9.04E-10	2.92E-07	4.15E-08	2.61E-10	4.18E-08	1.15E-13	3.48E-13	2.01E-13	5.24E-14	1.27E-12	6.98E-14	1.38824E-12	1.865E-08	2.916E-07	4.18E-08	9.56495E-14	1.84467E-13	5.8759E-14	3.77737E-14
122	571190.6	4178039	0.55, 41780	0.27122	0.30641	194.68377	101.89225	27.81197	16.7188	3.89726E-10	2.77E-12	3.92E-10	2.8E-07	9.20E-10	2.81E-07	4E-08	2.51E-10	4.02E-08	1.21E-13	3.66E-13	2.12E-13	5.52E-14	1.33E-12	7.35E-14	1.46082E-12	1.962E-08	2.8067E-07	4.02E-08	1.0065E-13	1.94111E-13	6.18311E-14	3.97486E-14
123	571230.6	4178039	0.55, 41780	0.28804	0.31092	196.84209	99.06119	24.60526	16.26482	4.13896E-10	2.81E-12	4.17E-10	2.83E-07	8.94E-10	2.84E-07	3.54E-08	2.22E-10	3.56E-08	1.29E-13	3.88E-13	2.25E-13	5.86E-14	1.41E-12	7.8E-14	1.55093E-12	2.084E-08	2.8374E-07	3.56E-08	1.06859E-13	2.06085E-13	6.5645E-14	4.22004E-14
124	571270.6	4178039	0.55, 41780	0.31661	0.32283	191.8709	85.51951	23.98386	14.63938	4.54949E-10	2.92E-12	4.58E-10	2.76E-07	7.72E-10	2.76E-07	3.45E-08	2.17E-10	3.47E-08	1.41E-13	4.27E-13	2.47E-13	6.43E-14	1.55E-12	8.57E-14	1.70412E-12	2.289E-08	2.7648E-07	3.47E-08	1.17414E-13	2.26441E-13	7.21293E-14	4.63688E-14
125	571310.6	4178039	0.55, 41780	0.35598	0.34149	189.38373	68.10225	23.67297	13.72977	5.11521E-10	3.08E-12	5.15E-10	2.72E-07	6.15E-10	2.73E-07	3.4E-08	2.14E-10	3.42E-08	1.59E-13	4.79E-13	2.78E-13	7.23E-14	1.75E-12	9.64E-14	1.91531E-12	2.573E-08	2.7275E-07	3.42E-08	1.31964E-13	2.54503E-13	8.10679E-14	5.21151E-14
126	571350.6	4178039	0.55, 41780	0.39399	0.35989	182.95784	62.01914	22.86973	11.81322	5.66139E-10	3.25E-12	5.69E-10	2.63E-07	5.60E-10	2.63E-07	3.29E-08	2.07E-10	3.31E-08	1.76E-13	5.31E-13	3.07E-13	8E-14	1.93E-12	1.07E-13	2.11921E-12	2.847E-08	2.6346E-07	3.31E-08	1.46013E-13	2.81597E-13	8.96983E-14	5.76632E-14
127	571390.6	4178039	0.55, 41780	0.4222	0.3733	164.47464	56.17724	20.55933	10.13431	6.06675E-10	3.37E-12	6.1E-10	2.36E-07	5.07E-10	2.37E-07	2.95E-08	1.86E-10	2.97E-08	1.88E-13	5.68E-13	3.29E-13	8.57E-14	2.07E-12	1.14E-13	2.27053E-12	3.05E-08	2.3685E-07	2.97E-08	1.56439E-13	3.01704E-13	9.61032E-14	6.17806E-14
128	571430.6	4178039	0.55, 41780	0.44026	0.38105	146.31006	45.8458	18.28876	9.60517	6.32626E-10	3.44E-12	6.36E-10	2.1E-07	4.14E-10	2.11E-07	2.63E-08	1.65E-10	2.64E-08	1.96E-13	5.93E-13	3.43E-13	8.94E-14	2.16E-12	1.19E-13	2.36738E-12	3.18E-08	2.1065E-07	2.64E-08	1.63112E-13	3.14573E-13	1.00202E-13	6.44158E-14
129	571470.6	4178039	0.55, 41780	0.44344	0.3799	134.05635	35.96521	16.75704	8.42199	6.37196E-10	3.43E-12	6.41E-10	1.93E-07	3.25E-10	1.93E-07	2.41E-08	1.51E-10	2.42E-08	1.98E-13	5.97E-13	3.46E-13	9E-14	2.17E-12	1.2E-13	2.38435E-12	3.203E-08	1.9296E-07	2.42E-08	1.64281E-13	3.16828E-13	1.00921E-13	6.48775E-14
130	571510.6	4178039	0.55, 41780	0.43369	0.37075	135.2804	26.4112	16.91005	8.14543	6.23186E-10	3.35E-12	6.27E-10	1.94E-07	2.38E-10	1.95E-07	2.43E-08	1.53E-10	2.45E-08	1.93E-13	5.84E-13	3.38E-13	8.8E-14	2.13E-12	1.17E-13	2.33189E-12	3.133E-08	1.9463E-07	2.45E-08	1.60667E-13	3.09858E-13	9.87005E-14	6.34503E-14
131	571550.6	4178039	0.55, 41780	0.4157	0.35641	128.00174	25.24959	16.00022	7.84928	5.97335E-10	3.22E-12	6.01E-10	1.84E-07	2.28E-10	1.84E-07	2.3E-08	1.44E-10	2.31E-08	1.85E-13	5.6E-13	3.24E-13	8.44E-14	2.04E-12	1.12E-13	2.2352E-12	3.003E-08	1.8416E-07	2.31E-08	1.54005E-13	2.9701E-13	9.46077E-14	6.08193E-14
132	571590.6	4178039	0.55, 41780	0.38889	0.33646	114.21376	28.264	14.27672	7.21894	5.58811E-10	3.04E-12	5.62E-10	1.64E-07	2.55E-10	1.64E-07	2.05E-08	1.29E-10	2.06E-08	1.73E-13	5.23E-13	3.03E-13	7.89E-14	1.91E-12	1.05E-13	2.09115E-12	2.809E-08	1.6437E-07	2.06E-08	1.4408E-13	2.77868E-13	8.85105E-14	5.68996E-14
133	570310.6	4178079	0.55, 41780	0.09792	0.07296	71.40728	28.01469	8.92591	4.66912	1.40705E-10	6.59E-13	1.41E-10	1.03E-07	2.53E-10	1.03E-07	1.28E-08	8.06E-11	1.29E-08	4.36E-14	1.32E-13	7.62E-14	1.99E-14	4.8E-13	2.65E-14	5.26142E-13	7.068E-09	1.0286E-07	1.29E-08	3.62511E-14	6.99128E-14	2.22696E-14	1.43162E-14
134	570350.6	4178079	0.55, 41780	0.1067	0.08065	70.03301	29.10671	8.75413	4.85112	1.53321E-10	7.28E-13	1.54E-10	1.01E-07	2.63E-10	1.01E-07	1.26E-08	7.90E-11	1.27E-08	4.75E-14	1.44E-13	8.31E-14	2.16E-14	5.23E-13	2.88E-14	5.73357E-13	7.702E-09	1.009E-07	1.27E-08	3.95042E-14	7.61867E-14	2.42681E-14	1.56009E-14
135	570390.6	4178079	0.55, 41780	0.11641	0.08948	73.93226	30.15719	9.24153	5.0262	1.67274E-10	8.08E-13	1.68E-10	1.06E-07	2.72E-10	1.07E-07	1.33E-08	8.34E-11	1.34E-08	5.19E-14	1.57E-13	9.07E-14	2.36E-14	5.7E-13	3.15E-14	6.25584E-13	8.404E-09	1.0651E-07	1.34E-08	4.31027E-14	8.31266E-14	2.64787E-14	1.7022E-14
136	570430.6	4178079	0.55, 41780	0.12715	0.09969	79.99098	31.34254	9.99887	5.20891	1.82707E-10	9.00E-13	1.84E-10	1.15E-07	2.83E-10	1.15E-07	1.44E-08	9.03E-11	1.45E-08	5.67E-14	1.71E-13	9.9E-14	2.58E-14	6.23E-13	3.44E-14	6.83366E-13	9.18E-09	1.1523E-07	1.45E-08	4.70838E-14	9.08046E-14	2.89244E-14	1.85942E-14
137	570470.6	4178079	0.55, 41780	0.13857	0.11144	81.53824	32.65768	10.19228	5.39019	1.99117E-10	1.01E-12	2E-10	1.17E-07	2.95E-10	1.17E-07	1.46E-08	9.20E-11	1.47E-08	6.18E-14	1.86E-13	1.08E-13	2.81E-14	6.79E-13	3.75E-14	7.44837E-13	1.001E-08	1.1746E-07	1.47E-08	5.13192E-14	9.89727E-14	3.15262E-14	2.02668E-14
138	570510.6	4178079	0.55, 41780	0.15049	0.12507	87.75299	34.11951	10.96912	5.60116	2.16245E-10	1.13E-12	2.17E-10	1.26E-07	3.08E-10	1.26E-07	1.58E-08	9.90E-11	1.59E-08	6.71E-14	2.03E-13	1.17E-13	3.05E-14	7.38E-13	4.07E-14	8.09045E-13	1.087E-08	1.264E-07	1.59E-08	5.57431E-14	1.07505E-13	3.42439E-14	2.20139E-14
139	570550.6	4178079	0.55, 41780	0.16198	0.14034	91.64015	35.64897	11.45502	5.99366	2.32755E-10	1.27E-12	2.34E-10	1.32E-07	3.22E-10	1.32E-07	1.65E-08	1.03E-10	1.66E-08	7.22E-14	2.18E-13	1.26E-13	3.29E-14	7.94E-13	4.38E-14	8.71008E-13	1.17E-08	1.32E-07	1.66E-08	6.00123E-14	1.15738E-13	3.68666E-14	2.36999E-14
140	570590.6	4178079	0.55, 41780	0.17272	0.15744	88.35639	37.38874	11.57204	6.46071	2.48188E-10	1.42E-12	2.5E-10	1.27E-07	3.38E-10	1.27E-07	1.66E-08	1.04E-10	1.67E-08	7.7E-14	2.33E-13	1.35E-13	3.51E-14	8.47E-13	4.67E-14	9.29022E-13	1.248E-08	1.273E-07	1.67E-08	6.40095E-14	1.23447E-13	3.93221E-14	2.52785E-14
141	570630.6	4178079	0.55, 41780	0.1831	0.1763	101.08083	39.23196	12.6351	7.02353	2.63103E-10	1.59E-12	2.65E-10	1.45E-07	3.54E-10	1.46E-07	1.82E-08	1.14E-10	1.83E-08	8.17E-14	2.47E-13	1.43E-13	3.72E-14	8.98E-13	4.96E-14	9.85169E-13	1.323E-08	1.456E-07	1.83E-08	6.7878E-14	1.30908E-13	4.16986E-14	2.68062E-14
142	570670.6	4178079	0.55, 41780	0.19537	0.19687	125.63761	41.20021	15.7047	8.22231	2.80735E-10	1.78E-12	2.83E-10	1.81E-07	3.72E-10	1.81E-07	2.26E-08	1.42E-10	2.27E-08	8.72E-14	2.63E-13	1.52E-13	3.97E-14	9.59E-13	5.29E-14	1.05148E-12	1.413E-08	1.8091E-07	2.27E-08	7.2447E-14	1.39719E-13	4.45054E-14	2.86106E-14
143	570710.6	4178079	0.55, 41780	0.21241	0.21933	144.38379	43.29239	18.04797	9.29195	3.0522E-10	1.98E-12	3.07E-10	2.07E-07	3.91E-10	2.08E-07	2.59E-08	1.63E-10	2.61E-08	9.48E-14	2.86E-13	1.66E-13	4.32E-14	1.04E-12	5.75E-14	1.14337E-12	1.536E-08	2.0786E-07	2.61E-08	7.8778E-14	1.51929E-13	4.83946E-14	3.11108E-14
144	570750.6	4178079	0.55, 41780	0.23537	0.24332	149.96792	48.92505	18.74599	10.23	3.38212E-10	2.20E-12	3.4E-10	2.15E-07	4.42E-10	2.16E-07	2.69E-08	1.69E-10	2.71E-08	1.05E-13	3.17E-13	1.84E-13	4.78E-14	1.16E-12	6.37E-14	1.26697E-12	1.702E-08	2.1594E-07	2.71E-08	8.7294E-14	1.68353E-13	5.36261E-14	3.44739E-14
145	570790.6	4178079	0.55, 41780	0.26445	0.26867	159.48841	56.15329	19.93605	11.24377	3.79998E-10	2.43E-12	3.82E-10	2.29E-07	5.07E-10	2.3E-07	2.86E-08	1.80E-10	2.88E-08	1.18E-13	3.56E-13	2.06E-13	5.37E-14	1.3E-12	7.16E-14	1.42334E-12	1.912E-08	2.2968E-07	2.88E-08	9.80683E-14	1.89132E-13	6.02449E-14	3.87289E-14
146	570830.6	4178079	0.55, 41780	0.30001	0.29551	164.85959	59.75168	20.60745	12.43332	4.31096E-10	2.67E-12	4.34E-10	2.37E-07	5.40E-10	2.37E-07	2.96E-08	1.86E-10	2.98E-08	1.34E-13	4.04E-13	2.34E-13	6.1E-14	1.47E-12	8.12E-14	1.61443E-12	2.169E-08	2.3743E-07	2.98E-08	1.11234E-13	2.14522E-13	6.83327E-14	4.39282E-14
147	570870.6	4178079	0.55, 41780	0.34051	0.32416	178.96906	63.85658	22.37113	13.91568	4.89292E-10	2.93E-12	4.92E-10	2.57E-07	5.77E-10	2.58E-07	3.21E-08	2.02E-10	3.23E-08	1.52E-13	4.59E-13	2.65E-13	6.92E-14	1.67E-12	9.22E-14	1.83199E-12	2.461E-08	2.5774E-07	3.23E-08	1.26224E-13	2.43432E-13	7.75413E-14	4.9848E-14
148	570910.6	4178079	0.55, 41780	0.37529	0.35313	192.82824	68.49057	24.10353	15.26079	5.39269E-10	3.19E-12	5.42E-10	2.77E-07	6.18E-10	2.78E-07	3.46E-08	2.18E-10	3.49E-08	1.67E-13	5.05E-13	2.93E-13	7.62E-14	1.84E-12	1.02E-13	2.01897E-12	2.712E-08	2.777E-07	3.49E-08	1.39107E-13	2.68277E-13	8.54556E-14	5.49357E-14
149	570950.6	4178079	0.55, 41780	0.39192	0.37725	199.56835	75.56845	26.9715	14.65967	5.63165E-10	3.41E-12	5.67E-10	2.87E-07	6.82E-10	2.87E-07	3.88E-08	2.44E-10	3.9E-08	1.75E-13	5.28E-13	3.06E-13	7.96E-14	1.92E-12	1.06E-13	2.10872E-12	2.833E-08	2.8745E-07	3.9E-08	1.45291E-13	2.80203E-13	8.92544E-14	5.73778E-14
150	570990.6	4178079	0.55, 41780	0.38624	0.39167	209.52387	83.72546	31.32288	13.79848	5.55003E-10	3.54E-12	5.59E-10	3.01E-07	7.56E-10	3.02E-07	4.5E-08	2.83E-10	4.53E-08	1.72E-13	5.2E-13	3.01E-13	7.85E-14	1.9E-12	1.05E-13	2.07883E-12	2.793E-08	3.0183E-07	4.53E-08	1.43231E-13	2.76231E-13	8.79891E-14	5.65644E-14
151	571030.6	4178079	0.55, 41780	0.36706	0.40059	238.62537	94.19927	34.73297	15.69988	5.27443E-10	3.62E-12	5.31E-10	3.43E-07	8.51E-10	3.44E-07	4.99E-08	3.14E-10	5.02E-08	1.64E-13	4.95E-13	2.86E-13	7.46E-14	1.8E-12	9.94E-14	1.97655E-12	2.655E-08	3.4374E-07	5.02E-08	1.36184E-13	2.62641E-13	8.36601E-14	5.37815E-14
152	571070.6	4178079	0.55, 41780	0.35702	0.41066	228.92087	105.90077	31.45005	16.61116	5.13016E-10	3.71E-12	5.17E-10	3.29E-07	9.56E-10	3.3E-07	4.52E-08	2.84E-10	4.55E-08	1.59E-13	4.81E-13	2.79E-13	7.26E-14	1.75E-12	9.68E-14	1.92319E-12	2.584E-08	3.299E-07	4.55E-08	1.32508E-13	2.55551E-13	8.14017E-14	5.23297E-14
153	571110.6	4178079	0.55, 41780	0.35812	0.41418	212.64364	104.08221	34.6648	20.98986	5.14596E-10	3.74E-12	5.18E-10	3.06E-07	9.40E-10	3.06E-07	4.98E-08	3.13E-10	5.01E-08	1.6E-13	4.83E-13	2.8E-13	7.28E-14	1.76E-12	9.71E-14	1.9292E-12	2.592E-08	3.065E-07	5.01E-08	1.32921E-13	2.56348E-13	8.16557E-14	5.2493E-14
154	571150.6	4178079	0.55, 41780	0.37758	0.42317	239.48451	117.47672	34.21207	20.38272	5.42559E-10	3.82E-12	5.46E-10	3.44E-07	1.06E-09	3.45E-07	4.92E-08	3.09E-10	4.95E-08	1.69E-13	5.09E-13	2.95E-13	7.68E-14	1.85E-12	1.02E-13	2.03357E-12	2.732E-08	3.4519E-07	4.95E-08	1.40113E-13	2.70218E-13	8.60736E-14	5.5333E-14
155	571190.6	4178079	0.55, 41780	0.41277	0.43447	228.77572	115.09155	28.66724	20.67403	5.93125E-10	3.92E-12	5.97E-10	3.29E-07	1.04E-09	3.3E-07	4.12E-08	2.59E-10	4.15E-08	1.84E-13	5.56E-13	3.22E-13	8.39E-14	2.03E-12	1.12E-13	2.22215E-12	2.985E-08	3.2978E-07	4.15E-08	1.53106E-13	2.95276E-13	9.40555E-14	6.04643E-14
156	571230.6	4178079	0.55, 41780	0.46673	0.45732	219.54291	100.98995	27.44286	18.56894	6.70662E-10	4.13E-12	6.75E-10	3.15E-07	9.12E-10	3.16E-07	3.94E-08	2.48E-10	3.97E-08	2.08E-13	6.29E-13	3.64E-13	9.48E-14	2.29E-12	1.26E-13	2.51151E-12	3.374E-08	3.1638E-07	3.97E-08	1.73042E-13	3.33725E-13	1.06303E-13	6.83375E-14
157	571270.6	4178079	0.55, 41780	0.53318	0.48578	215.1929	81.06645	26.89911	17.27973	7.66147E-10	4.39E-12	7.71E-10	3.09E-07	7.32E-10	3.1E-07	3.87E-08	2.43E-10	3.89E-08	2.38E-13	7.18E-13	4.16E-13	1.08E-13	2.62E-12	1.44E-13	2.86785E-12	3.853E-08	3.0995E-07	3.89E-08	1.97594E-13	3.81075E-13	1.21385E-13	7.80334E-14
158	571310.6	4178079	0.55, 41780	0.58671	0.50689	205.97464	69.75551	25.74683	14.70822	8.43066E-10	4.58E-12	8.48E-10	2.96E-07	6.30E-10	2.97E-07	3.7E-08	2.32E-10	3.72E-08	2.62E-13	7.9E-13	4.57E-13	1.19E-13	2.88E-12	1.59E-13	3.15484E-12	4.238E-08	2.966E-07	3.72E-08	2.17368E-13	4.1921E-13	1.33533E-13	8.58425E-14
159	571350.6	4178079	0.55, 41780	0.61439	0.51569	184.46358	62.8789	23.05795	12.5762	8.82841E-10	4.66E-12	8.87E-10	2.65E-07	5.68E-10	2.66E-07	3.31E-08	2.08E-10	3.33E-08	2.74E-13	8.27E-13	4.79E-13	1.25E-13	3.01E-12	1.66E-13	3.30317E-12	4.437E-08	2.6563E-07	3.33E-08	2.27588E-13	4.3892E-13	1.39811E-13	8.98786E-14
160	571390.6	4178079	0.55, 41780	0.61879	0.51229	162.6235	50.78632	20.32794	11.67282	8.89163E-10	4.63E-12	8.94E-10	2.34E-07	4.59E-10	2.34E-07	2.92E-08	1.84E-10	2.94E-08	2.76E-13	8.33E-13	4.82E-13	1.26E-13	3.03E-12	1.67E-13	3.32659E-12	4.469E-08	2.3414E-07	2.94E-08	2.29202E-13	4.42032E-13	1.40802E-13	9.05158E-14
161	571430.6	4178079	0.55, 41780	0.60477	0.49855	157.24404	39.05995	19.65551	9.99401	8.69017E-10	4.50E-12	8.74E-10	2.26E-07	3.53E-10	2.26E-07	2.82E-08	1.77E-10	2.84E-08	2.7E-13	8.14E-13	4.71E-13	1.23E-13	2.96E-12	1.64E-13	3.25115E-12	4.368E-08	2.263E-07	2.84E-08	2.24004E-13	4.32007E-13	1.37609E-13	8.8463E-14
162	571470.6	4178079	0.55, 41780	0.57311	0.47467	152.07991	30.59352	19.00999	9.68796	8.23524E-10	4.29E-12	8.28E-10	2.19E-07	2.76E-10	2.19E-07	2.73E-08	1.72E-10	2.75E-08	2.55E-13	7.71E-13	4.47E-13	1.16E-13	2.81E-12	1.55E-13	3.08102E-12	4.139E-08	2.1881E-07	2.75E-08	2.12282E-13	4.09401E-13	1.30408E-13	8.3834E-14
163	571510.6	4178079	0.55, 41780	0.53465	0.44658	137.55383	33.88214	17.19423	8.95455	7.68259E-10	4.03E-12	7.72E-10	1.98E-07	3.06E-10	1.98E-07	2.47E-08	1.55E-10	2.49E-08	2.38E-13	7.2E-13	4.17E-13	1.09E-13	2.62E-12	1.45E-13	2.87439E-12	3.861E-08	1.9796E-07	2.49E-08	1.98045E-13	3.81944E-13	1.21662E-13	7.82115E-14
164	571550.6	4178079	0.55, 41780	0.48548	0.41212	120.13532	36.07438	15.01691	7.90342	6.97605E-10	3.72E-12	7.01E-10	1.73E-07	3.26E-10	1.73E-07	2.16E-08	1.36E-10	2.17E-08	2.16E-13	6.53E-13	3.78E-13	9.85E-14	2.38E-12	1.31E-13	2.61027E-12	3.507E-08	1.7295E-07	2.17E-08	1.79847E-13	3.46848E-13	1.10483E-13	7.10247E-14
165	571590.6	4178079	0.55, 41780	0.43445	0.37558	108.95419	37.19094	13.61927	6.74143	6.24278E-10	3.39E-12	6.28E-10	1.57E-07	3.36E-10	1.57E-07	1.96E-08	1.23E-10	1.97E-08	1.94E-13	5.85E-13	3.39E-13	8.82E-14	2.13E-12	1.18E-13	2.33612E-12	3.138E-08	1.569E-07	1.97E-08	1.60958E-13	3.1042E-13	9.88794E-14	6.35653E-14
166	570310.6	4178119	0.55, 41781	0.10149	0.07442	69.0748	28.05035	8.63435	4.67506	1.45835E-10	6.72E-13	1.47E-10	9.93E-08	2.53E-10	9.95E-08	1.24E-08	7.80E-11	1.25E-08	4.52E-14	1.37E-13	7.9E-14	2.06E-14	4.97E-13	2.74E-14	5.45284E-13	7.325E-09	9.951E-08	1.25E-08	3.757E-14	7.24564E-14	2.30798E-14	1.4837E-14
167	570350.6	4178119	0.55, 41781	0.11138	0.08273	79.07973	29.62524	9.88497	4.93754	1.60046E-10	7.47E-13	1.61E-10	1.14E-07	2.68E-10	1.14E-07	1.42E-08	8.93E-11	1.43E-08	4.96E-14	1.5E-13	8.67E-14	2.26E-14	5.46E-13	3.01E-14	5.98456E-13	8.04E-09	1.139E-07	1.43E-08	4.12335E-14	7.95218E-14	2.53304E-14	1.62839E-14
168	570390.6	4178119	0.55, 41781	0.12249	0.09237	81.81771	30.97041	10.22721	5.16174	1.76011E-10	8.34E-13	1.77E-10	1.18E-07	2.80E-10	1.18E-07	1.47E-08	9.23E-11	1.48E-08	5.46E-14	1.65E-13	9.54E-14	2.48E-14	6E-13	3.31E-14	6.58198E-13	8.842E-09	1.1785E-07	1.48E-08	4.53497E-14	8.74602E-14	2.78591E-14	1.79094E-14
169	570430.6	4178119	0.55, 41781	0.13492	0.10362	81.48606	32.23138	10.18576	5.3719	1.93872E-10	9.36E-13	1.95E-10	1.17E-07	2.91E-10	1.17E-07	1.46E-08	9.20E-11	1.47E-08	6.01E-14	1.82E-13	1.05E-13	2.74E-14	6.61E-13	3.65E-14	7.25053E-13	9.74E-09	1.1738E-07	1.47E-08	4.99561E-14	9.63439E-14	3.06888E-14	1.97285E-14
170	570470.6	4178119	0.55, 41781	0.14882	0.11683	90.82614	33.6686	11.35327	5.5932	2.13845E-10	1.05E-12	2.15E-10	1.31E-07	3.04E-10	1.31E-07	1.63E-08	1.03E-10	1.64E-08	6.63E-14	2E-13	1.16E-13	3.02E-14	7.29E-13	4.02E-14	7.99837E-13	1.075E-08	1.3082E-07	1.64E-08	5.51086E-14	1.06281E-13	3.38541E-14	2.17634E-14
171	570510.6	4178119	0.55, 41781	0.16361	0.13228	92.34034	35.20886	11.54254	5.82093	2.35097E-10	1.19E-12	2.36E-10	1.33E-07	3.18E-10	1.33E-07	1.66E-08	1.04E-10	1.67E-08	7.29E-14	2.2E-13	1.27E-13	3.32E-14	8.02E-13	4.42E-14	8.79455E-13	1.181E-08	1.3301E-07	1.67E-08	6.05943E-14	1.1686E-13	3.72241E-14	2.39298E-14
172	570550.6	4178119	0.55, 41781	0.17911	0.1505	100.11195	36.92243	12.51399	6.33987	2.5737E-10	1.36E-12	2.59E-10	1.44E-07	3.33E-10	1.44E-07	1.8E-08	1.13E-10	1.81E-08	7.98E-14	2.41E-13	1.4E-13	3.64E-14	8.78E-13	4.84E-14	9.62963E-13	1.294E-08	1.4419E-07	1.81E-08	6.6348E-14	1.27957E-13	4.07587E-14	2.6202E-14
173	570590.6	4178119	0.55, 41781	0.19374	0.17125	103.74737	38.76233	12.96842	6.89651	2.78392E-10	1.55E-12	2.8E-10	1.49E-07	3.50E-10	1.49E-07	1.86E-08	1.17E-10	1.88E-08	8.64E-14	2.61E-13	1.51E-13	3.93E-14	9.5E-13	5.24E-14	1.0419E-12	1.4E-08	1.4943E-07	1.88E-08	7.1787E-14	1.38446E-13	4.40999E-14	2.835E-14
174	570630.6	4178119	0.55, 41781	0.2069	0.19483	104.63966	41.01094	13.84797	7.49161	2.97303E-10	1.76E-12	2.99E-10	1.5E-07	3.70E-10	1.51E-07	1.99E-08	1.25E-10	2E-08	9.23E-14	2.79E-13	1.61E-13	4.2E-14	1.02E-12	5.6E-14	1.11308E-12	1.495E-08	1.5073E-07	2E-08	7.66909E-14	1.47904E-13	4.71125E-14	3.02866E-14
175	570670.6	4178119	0.55, 41781	0.21998	0.22122	115.58367	43.51142	15.0671	8.60459	3.16098E-10	2.00E-12	3.18E-10	1.66E-07	3.93E-10	1.66E-07	2.17E-08	1.36E-10	2.18E-08	9.82E-14	2.96E-13	1.72E-13	4.47E-14	1.08E-12	5.96E-14	1.18392E-12	1.59E-08	1.6648E-07	2.18E-08	8.15718E-14	1.57317E-13	5.01109E-14	3.22141E-14
176	570710.6	4178119	0.55, 41781	0.23703	0.25104	127.12041	45.98226	16.41254	9.96819	3.40597E-10	2.27E-12	3.43E-10	1.83E-07	4.15E-10	1.83E-07	2.36E-08	1.48E-10	2.37E-08	1.06E-13	3.19E-13	1.85E-13	4.82E-14	1.16E-12	6.42E-14	1.27611E-12	1.714E-08	1.8308E-07	2.37E-08	8.79236E-14	1.69567E-13	5.40129E-14	3.47226E-14
177	570750.6	4178119	0.55, 41781	0.26187	0.28441	163.41699	49.64069	20.42712	11.18287	3.76291E-10	2.57E-12	3.79E-10	2.35E-07	4.48E-10	2.35E-07	2.94E-08	1.84E-10	2.95E-08	1.17E-13	3.53E-13	2.04E-13	5.32E-14	1.29E-12	7.09E-14	1.41008E-12	1.894E-08	2.3527E-07	2.95E-08	9.7154E-14	1.87368E-13	5.96833E-14	3.83678E-14
178	570790.6	4178119	0.55, 41781	0.29707	0.32177	189.30326	59.79186	23.66291	12.3939	4.26871E-10	2.91E-12	4.3E-10	2.72E-07	5.40E-10	2.73E-07	3.4E-08	2.14E-10	3.42E-08	1.33E-13	4E-13	2.32E-13	6.04E-14	1.46E-12	8.05E-14	1.59959E-12	2.149E-08	2.7256E-07	3.42E-08	1.10211E-13	2.1255E-13	6.77046E-14	4.35244E-14
179	570830.6	4178119	0.55, 41781	0.34574	0.3643	193.11502	64.55328	24.13938	13.76558	4.96807E-10	3.29E-12	5E-10	2.77E-07	5.83E-10	2.78E-07	3.47E-08	2.18E-10	3.49E-08	1.54E-13	4.66E-13	2.7E-13	7.03E-14	1.7E-12	9.36E-14	1.86131E-12	2.5E-08	2.7808E-07	3.49E-08	1.28244E-13	2.47328E-13	7.87823E-14	5.06458E-14
180	570870.6	4178119	0.55, 41781	0.41228	0.41342	202.8381	69.60981	25.35476	15.49628	5.92421E-10	3.73E-12	5.96E-10	2.91E-07	6.29E-10	2.92E-07	3.64E-08	2.29E-10	3.67E-08	1.84E-13	5.55E-13	3.22E-13	8.38E-14	2.02E-12	1.12E-13	2.21883E-12	2.981E-08	2.9209E-07	3.67E-08	1.52877E-13	2.94834E-13	9.39147E-14	6.03737E-14
181	570910.6	4178119	0.55, 41781	0.49003	0.46844	224.50761	75.3478	28.06345	17.99511	7.04143E-10	4.23E-12	7.08E-10	3.23E-07	6.80E-10	3.23E-07	4.03E-08	2.53E-10	4.06E-08	2.19E-13	6.6E-13	3.82E-13	9.95E-14	2.4E-12	1.33E-13	2.63649E-12	3.542E-08	3.2328E-07	4.06E-08	1.81654E-13	3.50333E-13	1.11593E-13	7.17383E-14
182	570950.6	4178119	0.55, 41781	0.55455	0.52056	237.44511	82.6149	31.19836	20.61697	7.96854E-10	4.70E-12	8.02E-10	3.41E-07	7.46E-10	3.42E-07	4.48E-08	2.82E-10	4.51E-08	2.47E-13	7.47E-13	4.32E-13	1.13E-13	2.72E-12	1.5E-13	2.98331E-12	4.008E-08	3.4194E-07	4.51E-08	2.05549E-13	3.96417E-13	1.26272E-13	8.11751E-14
183	570990.6	4178119	0.55, 41781	0.59019	0.56679	260.70129	98.30209	39.14578	18.7176	8.48067E-10	5.12E-12	8.53E-10	3.75E-07	8.88E-10	3.75E-07	5.63E-08	3.53E-10	5.66E-08	2.63E-13	7.95E-13	4.6E-13	1.2E-13	2.9E-12	1.6E-13	3.17547E-12	4.266E-08	3.755E-07	5.66E-08	2.18789E-13	4.21951E-13	1.34406E-13	8.64037E-14
184	571030.6	4178119	0.55, 41781	0.58003	0.59593	288.08817	110.38847	43.41155	19.84321	8.33467E-10	5.38E-12	8.39E-10	4.14E-07	9.97E-10	4.15E-07	6.24E-08	3.92E-10	6.28E-08	2.59E-13	7.82E-13	4.52E-13	1.18E-13	2.85E-12	1.57E-13	3.12211E-12	4.194E-08	4.1496E-07	6.28E-08	2.15113E-13	4.14861E-13	1.32147E-13	8.49519E-14
185	571070.6	4178119	0.55, 41781	0.56003	0.61401	281.59163	124.26135	39.26934	23.95732	8.04729E-10	5.54E-12	8.1E-10	4.05E-07	1.12E-09	4.06E-07	5.64E-08	3.55E-10	5.68E-08	2.5E-13	7.55E-13	4.37E-13	1.14E-13	2.75E-12	1.52E-13	3.01575E-12	4.051E-08	4.0575E-07	5.68E-08	2.07785E-13	4.00728E-13	1.27646E-13	8.2058E-14
186	571110.6	4178119	0.55, 41781	0.57497	0.62965	279.23237	138.16088	41.39356	27.39628	8.26196E-10	5.69E-12	8.32E-10	4.01E-07	1.25E-09	4.02E-07	5.95E-08	3.74E-10	5.99E-08	2.57E-13	7.75E-13	4.49E-13	1.17E-13	2.82E-12	1.56E-13	3.09618E-12	4.159E-08	4.0249E-07	5.99E-08	2.13326E-13	4.11415E-13	1.3105E-13	8.42464E-14
187	571150.6	4178119	0.55, 41781	0.64473	0.65929	273.06399	137.55558	37.77228	27.34359	9.26437E-10	5.95E-12	9.32E-10	3.92E-07	1.24E-09	3.94E-07	5.43E-08	3.41E-10	5.46E-08	2.88E-13	8.69E-13	5.03E-13	1.31E-13	3.16E-12	1.75E-13	3.47026E-12	4.662E-08	3.9362E-07	5.46E-08	2.39101E-13	4.61123E-13	1.46883E-13	9.44251E-14
188	571190.6	4178119	0.55, 41781	0.76806	0.70549	260.36357	120.74038	32.90288	24.49294	1.10365E-09	6.37E-12	1.11E-09	3.74E-07	1.09E-09	3.75E-07	4.73E-08	2.97E-10	4.76E-08	3.43E-13	1.03E-12	5.99E-13	1.56E-13	3.77E-12	2.08E-13	4.1314E-12	5.55E-08	3.7522E-07	4.76E-08	2.84653E-13	5.48974E-13	1.74867E-13	1.12414E-13
189	571230.6	4178119	0.55, 41781	0.88147	0.74364	250.38438	100.21062	31.29805	22.32262	1.26662E-09	6.71E-12	1.27E-09	3.6E-07	9.05E-10	3.61E-07	4.5E-08	2.83E-10	4.53E-08	3.93E-13	1.19E-12	6.87E-13	1.79E-13	4.32E-12	2.38E-13	4.73922E-12	6.367E-08	3.6069E-07	4.53E-08	3.26531E-13	6.29739E-13	2.00594E-13	1.28953E-13
190	571270.6	4178119	0.55, 41781	0.94057	0.75526	235.31349	80.57107	29.41419	18.81416	1.35154E-09	6.82E-12	1.36E-09	3.38E-07	7.28E-10	3.39E-07	4.23E-08	2.66E-10	4.25E-08	4.19E-13	1.27E-12	7.33E-13	1.91E-13	4.61E-12	2.54E-13	5.05568E-12	6.792E-08	3.3886E-07	4.25E-08	3.48336E-13	6.7179E-13	2.13988E-13	1.37564E-13
191	571310.6	4178119	0.55, 41781	0.94266	0.74202	211.76846	71.48368	26.47106	15.9259	1.35454E-09	6.70E-12	1.36E-09	3.04E-07	6.45E-10	3.05E-07	3.8E-08	2.39E-10	3.83E-08	4.2E-13	1.27E-12	7.34E-13	1.91E-13	4.62E-12	2.55E-13	5.06642E-12	6.806E-08	3.0494E-07	3.83E-08	3.49075E-13	6.73217E-13	2.14443E-13	1.37856E-13
192	571350.6	4178119	0.55, 41781	0.90909	0.71255	184.59351	57.17412	23.07419	14.42847	1.30631E-09	6.43E-12	1.31E-09	2.65E-07	5.16E-10	2.66E-07	3.32E-08	2.08E-10	3.34E-08	4.05E-13	1.22E-12	7.08E-13	1.84E-13	4.46E-12	2.46E-13	4.88589E-12	6.564E-08	2.6577E-07	3.34E-08	3.36637E-13	6.49228E-13	2.06802E-13	1.32944E-13
193	571390.6	4178119	0.55, 41781	0.85308	0.67145	182.88204	42.90716	22.86025	12.27464	1.22582E-09	6.06E-12	1.23E-09	2.63E-07	3.87E-10	2.63E-07	3.28E-08	2.06E-10	3.31E-08	3.8E-13	1.15E-12	6.64E-13	1.73E-13	4.18E-12	2.31E-13	4.58496E-12	6.159E-08	2.6318E-07	3.31E-08	3.15903E-13	6.09241E-13	1.94064E-13	1.24756E-13
194	571430.6	4178119	0.55, 41781	0.78	0.62166	169.0522	41.64549	21.13153	11.39175	1.12081E-09	5.61E-12	1.13E-09	2.43E-07	3.76E-10	2.43E-07	3.04E-08	1.91E-10	3.06E-08	3.48E-13	1.05E-12	6.08E-13	1.58E-13	3.82E-12	2.11E-13	4.19244E-12	5.632E-08	2.4329E-07	3.06E-08	2.88859E-13	5.57085E-13	1.77451E-13	1.14075E-13
195	571470.6	4178119	0.55, 41781	0.69763	0.567	144.82238	43.55007	18.1028	10.0864	1.00245E-09	5.12E-12	1.01E-09	2.08E-07	3.93E-10	2.08E-07	2.6E-08	1.63E-10	2.62E-08	3.11E-13	9.39E-13	5.43E-13	1.42E-13	3.42E-12	1.89E-13	3.75008E-12	5.038E-08	2.0849E-07	2.62E-08	2.5838E-13	4.98304E-13	1.58727E-13	1.02039E-13
196	571510.6	4178119	0.55, 41781	0.61632	0.51188	129.07456	44.20691	16.93315	8.5721	8.85614E-10	4.62E-12	8.9E-10	1.85E-07	3.99E-10	1.86E-07	2.43E-08	1.53E-10	2.45E-08	2.75E-13	8.29E-13	4.8E-13	1.25E-13	3.02E-12	1.67E-13	3.31337E-12	4.451E-08	1.8587E-07	2.45E-08	2.28291E-13	4.40275E-13	1.40243E-13	9.0156E-14
197	571550.6	4178119	0.55, 41781	0.53701	0.45659	116.13448	43.6354	16.99831	7.6971	7.7165E-10	4.12E-12	7.76E-10	1.67E-07	3.94E-10	1.67E-07	2.44E-08	1.53E-10	2.46E-08	2.39E-13	7.23E-13	4.18E-13	1.09E-13	2.63E-12	1.45E-13	2.88735E-12	3.879E-08	1.6727E-07	2.46E-08	1.98938E-13	3.83666E-13	1.22211E-13	7.85641E-14
198	571590.6	4178119	0.55, 41781	0.46599	0.40463	103.06511	42.01095	16.60125	6.75955	6.69599E-10	3.65E-12	6.73E-10	1.48E-07	3.79E-10	1.48E-07	2.39E-08	1.50E-10	2.4E-08	2.08E-13	6.27E-13	3.63E-13	9.46E-14	2.29E-12	1.26E-13	2.50578E-12	3.366E-08	1.4848E-07	2.4E-08	1.72648E-13	3.32964E-13	1.0606E-13	6.81816E-14
199	570310.6	4178159	0.55, 41781	0.10452	0.07557	83.14681	27.07322	10.39335	4.47805	1.50189E-10	6.82E-13	1.51E-10	1.19E-07	2.44E-10	1.2E-07	1.49E-08	9.38E-11	1.5E-08	4.66E-14	1.41E-13	8.14E-14	2.12E-14	5.12E-13	2.82E-14	5.61527E-13	7.544E-09	1.1972E-07	1.5E-08	3.86892E-14	7.46148E-14	2.37674E-14	1.5279E-14
200	570350.6	4178159	0.55, 41781	0.1156	0.08446	83.51332	29.37807	10.43917	4.89635	1.6611E-10	7.63E-13	1.67E-10	1.2E-07	2.65E-10	1.2E-07	1.5E-08	9.43E-11	1.51E-08	5.15E-14	1.55E-13	9E-14	2.34E-14	5.66E-13	3.12E-14	6.21083E-13	8.344E-09	1.2027E-07	1.51E-08	4.27926E-14	8.25285E-14	2.62882E-14	1.68995E-14
201	570390.6	4178159	0.55, 41781	0.12828	0.09489	85.72091	31.44775	10.71511	5.24129	1.8433E-10	8.57E-13	1.85E-10	1.23E-07	2.84E-10	1.23E-07	1.54E-08	9.68E-11	1.55E-08	5.71E-14	1.73E-13	9.99E-14	2.6E-14	6.29E-13	3.47E-14	6.89248E-13	9.259E-09	1.2346E-07	1.55E-08	4.74891E-14	9.15862E-14	2.91733E-14	1.87543E-14
202	570430.6	4178159	0.55, 41781	0.14269	0.1072	94.53138	33.159	11.81642	5.5265	2.05037E-10	9.68E-13	2.06E-10	1.36E-07	2.99E-10	1.36E-07	1.7E-08	1.07E-10	1.71E-08	6.36E-14	1.92E-13	1.11E-13	2.89E-14	6.99E-13	3.86E-14	7.66729E-13	1.03E-08	1.3614E-07	1.71E-08	5.28275E-14	1.01882E-13	3.24528E-14	2.08625E-14
203	570470.6	4178159	0.55, 41781	0.15906	0.12183	91.68652	34.69147	11.46082	5.78191	2.28559E-10	1.10E-12	2.3E-10	1.32E-07	3.13E-10	1.32E-07	1.65E-08	1.03E-10	1.66E-08	7.09E-14	2.14E-13	1.24E-13	3.23E-14	7.79E-13	4.3E-14	8.5477E-13	1.148E-08	1.3206E-07	1.66E-08	5.88935E-14	1.1358E-13	3.61792E-14	2.32581E-14
204	570510.6	4178159	0.55, 41781	0.17738	0.13933	103.8828	36.49731	12.98535	6.04456	2.54884E-10	1.26E-12	2.56E-10	1.49E-07	3.30E-10	1.5E-07	1.87E-08	1.17E-10	1.88E-08	7.9E-14	2.39E-13	1.38E-13	3.6E-14	8.69E-13	4.8E-14	9.53336E-13	1.281E-08	1.496E-07	1.88E-08	6.56847E-14	1.26678E-13	4.03512E-14	2.594E-14
205	570550.6	4178159	0.55, 41781	0.19733	0.16029	106.21161	38.46337	13.27645	6.62676	2.83551E-10	1.45E-12	2.85E-10	1.53E-07	3.47E-10	1.53E-07	1.91E-08	1.20E-10	1.92E-08	8.79E-14	2.66E-13	1.54E-13	4E-14	9.67E-13	5.34E-14	1.06074E-12	1.425E-08	1.5297E-07	1.92E-08	7.30845E-14	1.40949E-13	4.4897E-14	2.88624E-14
206	570590.6	4178159	0.55, 41781	0.21794	0.18524	115.65264	40.48441	14.45658	7.37316	3.13166E-10	1.67E-12	3.15E-10	1.66E-07	3.66E-10	1.67E-07	2.08E-08	1.31E-10	2.09E-08	9.72E-14	2.93E-13	1.7E-13	4.42E-14	1.07E-12	5.9E-14	1.1718E-12	1.574E-08	1.6655E-07	2.09E-08	8.07368E-14	1.55707E-13	4.95979E-14	3.18844E-14
207	570630.6	4178159	0.55, 41781	0.23707	0.21436	118.44365	42.79741	14.80546	8.08317	3.40655E-10	1.94E-12	3.43E-10	1.7E-07	3.86E-10	1.71E-07	2.13E-08	1.34E-10	2.14E-08	1.06E-13	3.19E-13	1.85E-13	4.81E-14	1.16E-12	6.41E-14	1.27509E-12	1.713E-08	1.7058E-07	2.14E-08	8.78534E-14	1.69431E-13	5.39697E-14	3.46948E-14
208	570670.6	4178159	0.55, 41781	0.25383	0.24795	124.95922	45.84094	15.6199	8.90031	3.64738E-10	2.24E-12	3.67E-10	1.8E-07	4.14E-10	1.8E-07	2.24E-08	1.41E-10	2.26E-08	1.13E-13	3.42E-13	1.98E-13	5.16E-14	1.25E-12	6.87E-14	1.36585E-12	1.835E-08	1.7997E-07	2.26E-08	9.4107E-14	1.81492E-13	5.78114E-14	3.71645E-14
209	570710.6	4178159	0.55, 41781	0.27135	0.28697	131.25248	49.29697	17.47805	10.6966	3.89913E-10	2.59E-12	3.93E-10	1.89E-07	4.45E-10	1.89E-07	2.51E-08	1.58E-10	2.53E-08	1.21E-13	3.66E-13	2.12E-13	5.52E-14	1.33E-12	7.35E-14	1.46086E-12	1.963E-08	1.8905E-07	2.53E-08	1.00653E-13	1.94117E-13	6.18329E-14	3.97497E-14
210	570750.6	4178159	0.55, 41781	0.29528	0.33222	146.48828	52.90094	21.86848	12.23914	4.24299E-10	3.00E-12	4.27E-10	2.1E-07	4.78E-10	2.11E-07	3.14E-08	1.97E-10	3.16E-08	1.32E-13	3.98E-13	2.3E-13	6E-14	1.45E-12	8E-14	1.59036E-12	2.136E-08	2.1097E-07	3.16E-08	1.09576E-13	2.11325E-13	6.73142E-14	4.32734E-14
211	570790.6	4178159	0.55, 41781	0.33253	0.38536	168.4296	63.37031	22.18934	13.75991	4.77825E-10	3.48E-12	4.81E-10	2.42E-07	5.72E-10	2.43E-07	3.19E-08	2.00E-10	3.21E-08	1.49E-13	4.48E-13	2.6E-13	6.76E-14	1.63E-12	9.01E-14	1.79137E-12	2.407E-08	2.426E-07	3.21E-08	1.23425E-13	2.38034E-13	7.5822E-14	4.87427E-14
212	570830.6	4178159	0.55, 41781	0.39122	0.44987	226.40986	70.88867	28.30123	15.58224	5.62159E-10	4.06E-12	5.66E-10	3.25E-07	6.40E-10	3.26E-07	4.07E-08	2.56E-10	4.09E-08	1.75E-13	5.28E-13	3.05E-13	7.96E-14	1.92E-12	1.06E-13	2.10742E-12	2.831E-08	3.2598E-07	4.09E-08	1.45201E-13	2.8003E-13	8.91992E-14	5.73424E-14
213	570870.6	4178159	0.55, 41781	0.48272	0.53035	262.06298	76.1106	32.75787	17.58972	6.93639E-10	4.79E-12	6.98E-10	3.77E-07	6.87E-10	3.77E-07	4.71E-08	2.96E-10	4.74E-08	2.16E-13	6.51E-13	3.77E-13	9.81E-14	2.37E-12	1.31E-13	2.59948E-12	3.492E-08	3.7726E-07	4.74E-08	1.79104E-13	3.45414E-13	1.10026E-13	7.07312E-14
214	570910.6	4178159	0.55, 41781	0.61652	0.63133	261.24493	84.17228	32.65562	20.33398	8.85901E-10	5.70E-12	8.92E-10	3.75E-07	7.60E-10	3.76E-07	4.69E-08	2.95E-10	4.72E-08	2.75E-13	8.31E-13	4.81E-13	1.25E-13	3.03E-12	1.67E-13	3.31845E-12	4.458E-08	3.7615E-07	4.72E-08	2.28641E-13	4.4095E-13	1.40458E-13	9.02943E-14
215	570950.6	4178159	0.55, 41781	0.78722	0.75662	286.12528	93.97029	38.09436	25.30252	1.13119E-09	6.83E-12	1.14E-09	4.11E-07	8.49E-10	4.12E-07	5.47E-08	3.44E-10	5.51E-08	3.51E-13	1.06E-12	6.14E-13	1.6E-13	3.86E-12	2.13E-13	4.23559E-12	5.69E-08	4.1199E-07	5.51E-08	2.91832E-13	5.62818E-13	1.79277E-13	1.15249E-13
216	570990.6	4178159	0.55, 41781	0.95557	0.89576	303.7283	113.02353	49.39935	30.83627	1.3731E-09	8.09E-12	1.38E-09	4.36E-07	1.02E-09	4.37E-07	7.1E-08	4.46E-10	7.14E-08	4.26E-13	1.29E-12	7.45E-13	1.94E-13	4.69E-12	2.59E-13	5.14063E-12	6.906E-08	4.3746E-07	7.14E-08	3.54188E-13	6.83078E-13	2.17584E-13	1.39875E-13
217	571030.6	4178159	0.55, 41781	1.0701	1.00768	365.27865	135.92516	63.89384	29.33742	1.53767E-09	9.10E-12	1.55E-09	5.25E-07	1.23E-09	5.26E-07	9.18E-08	5.77E-10	9.24E-08	4.77E-13	1.44E-12	8.34E-13	2.17E-13	5.25E-12	2.9E-13	5.75691E-12	7.734E-08	5.2611E-07	9.24E-08	3.9665E-13	7.64968E-13	2.43669E-13	1.56644E-13
218	571070.6	4178159	0.55, 41781	1.06935	1.07923	382.13438	155.20031	54.74849	37.25068	1.53659E-09	9.75E-12	1.55E-09	5.49E-07	1.40E-09	5.51E-07	7.87E-08	4.94E-10	7.92E-08	4.77E-13	1.44E-12	8.34E-13	2.17E-13	5.25E-12	2.9E-13	5.7553E-12	7.732E-08	5.505E-07	7.92E-08	3.9654E-13	7.64755E-13	2.43601E-13	1.566E-13
219	571110.6	4178159	0.55, 41781	1.19831	1.16386	373.85472	174.62021	53.40782	39.37776	1.7219E-09	1.05E-11	1.73E-09	5.37E-07	1.58E-09	5.39E-07	7.67E-08	4.82E-10	7.72E-08	5.35E-13	1.61E-12	9.34E-13	2.43E-13	5.88E-12	3.24E-13	6.44784E-12	8.662E-08	5.3878E-07	7.72E-08	4.44256E-13	8.56779E-13	2.72913E-13	1.75444E-13
220	571150.6	4178159	0.55, 41781	1.53671	1.26322	331.2731	149.81574	50.26616	34.67292	2.20816E-09	1.14E-11	2.22E-09	4.76E-07	1.35E-09	4.77E-07	7.22E-08	4.54E-10	7.27E-08	6.85E-13	2.07E-12	1.2E-12	3.12E-13	7.53E-12	4.16E-13	8.26099E-12	1.11E-07	4.7737E-07	7.27E-08	5.69181E-13	1.09771E-12	3.49657E-13	2.2478E-13
221	571190.6	4178159	0.55, 41781	1.71324	1.27647	303.51531	125.05743	43.45807	29.97586	2.46182E-09	1.15E-11	2.47E-09	4.36E-07	1.13E-09	4.37E-07	6.24E-08	3.92E-10	6.28E-08	7.63E-13	2.3E-12	1.33E-12	3.48E-13	8.39E-12	4.63E-13	9.20555E-12	1.237E-07	4.3726E-07	6.28E-08	6.34261E-13	1.22322E-12	3.89637E-13	2.50481E-13
222	571230.6	4178159	0.55, 41781	1.67997	1.21931	277.00255	96.22407	36.53844	24.95569	2.41401E-09	1.10E-11	2.43E-09	3.98E-07	8.69E-10	3.99E-07	5.25E-08	3.30E-10	5.28E-08	7.48E-13	2.26E-12	1.31E-12	3.41E-13	8.23E-12	4.54E-13	9.02569E-12	1.213E-07	3.989E-07	5.28E-08	6.21869E-13	1.19932E-12	3.82024E-13	2.45587E-13
223	571270.6	4178159	0.55, 41781	1.56347	1.13234	251.98402	83.18585	31.498	20.71301	2.24661E-09	1.02E-11	2.26E-09	3.62E-07	7.51E-10	3.63E-07	4.53E-08	2.84E-10	4.55E-08	6.96E-13	2.1E-12	1.22E-12	3.17E-13	7.66E-12	4.23E-13	8.39971E-12	1.128E-07	3.6284E-07	4.55E-08	5.78739E-13	1.11614E-12	3.55529E-13	2.28554E-13
224	571310.6	4178159	0.55, 41781	1.42012	1.03692	223.09845	65.85457	27.88731	18.21453	2.04062E-09	9.36E-12	2.05E-09	3.21E-07	5.95E-10	3.21E-07	4.01E-08	2.52E-10	4.03E-08	6.33E-13	1.91E-12	1.11E-12	2.88E-13	6.96E-12	3.84E-13	7.62985E-12	1.025E-07	3.2117E-07	4.03E-08	5.25696E-13	1.01384E-12	3.22943E-13	2.07606E-13
225	571350.6	4178159	0.55, 41781	1.26306	0.93714	212.7442	53.05659	26.59303	15.01468	1.81494E-09	8.46E-12	1.82E-09	3.06E-07	4.79E-10	3.06E-07	3.82E-08	2.40E-10	3.85E-08	5.63E-13	1.7E-12	9.83E-13	2.56E-13	6.19E-12	3.41E-13	6.78652E-12	9.117E-08	3.0618E-07	3.85E-08	4.6759E-13	9.01781E-13	2.87248E-13	1.8466E-13
226	571390.6	4178159	0.55, 41781	1.10199	0.83709	185.92823	54.01949	23.24103	13.29114	1.58349E-09	7.56E-12	1.59E-09	2.67E-07	4.88E-10	2.68E-07	3.34E-08	2.10E-10	3.36E-08	4.91E-13	1.48E-12	8.58E-13	2.24E-13	5.4E-12	2.98E-13	5.92173E-12	7.955E-08	2.6766E-07	3.36E-08	4.08006E-13	7.86869E-13	2.50645E-13	1.61129E-13
227	571430.6	4178159	0.55, 41781	0.9418	0.73869	159.26436	53.60229	21.61583	11.2268	1.35331E-09	6.67E-12	1.36E-09	2.29E-07	4.84E-10	2.29E-07	3.11E-08	1.95E-10	3.13E-08	4.2E-13	1.27E-12	7.34E-13	1.91E-13	4.62E-12	2.55E-13	5.0617E-12	6.8E-08	2.2934E-07	3.13E-08	3.48751E-13	6.72591E-13	2.14243E-13	1.37728E-13
228	571470.6	4178159	0.55, 41781	0.79447	0.64516	139.92539	51.85557	21.06215	9.90602	1.1416E-09	5.83E-12	1.15E-09	2.01E-07	4.68E-10	2.02E-07	3.03E-08	1.90E-10	3.05E-08	3.54E-13	1.07E-12	6.19E-13	1.61E-13	3.89E-12	2.15E-13	4.27062E-12	5.737E-08	2.0153E-07	3.05E-08	2.94245E-13	5.67473E-13	1.8076E-13	1.16203E-13
229	571510.6	4178159	0.55, 41781	0.67282	0.56206	120.25585	49.92459	19.96311	8.50885	9.66801E-10	5.08E-12	9.72E-10	1.73E-07	4.51E-10	1.73E-07	2.87E-08	1.80E-10	2.89E-08	3E-13	9.06E-13	5.24E-13	1.37E-13	3.3E-12	1.82E-13	3.61722E-12	4.859E-08	1.7325E-07	2.89E-08	2.49226E-13	4.80651E-13	1.53104E-13	9.84238E-14
230	571550.6	4178159	0.55, 41781	0.57423	0.48972	110.64777	47.57404	18.4413	7.31081	8.25133E-10	4.42E-12	8.3E-10	1.59E-07	4.30E-10	1.59E-07	2.65E-08	1.67E-10	2.67E-08	2.56E-13	7.73E-13	4.47E-13	1.17E-13	2.82E-12	1.55E-13	3.08752E-12	4.148E-08	1.5942E-07	2.67E-08	2.1273E-13	4.10264E-13	1.30683E-13	8.40107E-14
231	571590.6	4178159	0.55, 41781	0.49292	0.42713	100.4908	44.5532	16.74847	6.44552	7.08296E-10	3.86E-12	7.12E-10	1.44E-07	4.02E-10	1.45E-07	2.41E-08	1.51E-10	2.42E-08	2.2E-13	6.64E-13	3.84E-13	1E-13	2.42E-12	1.33E-13	2.65056E-12	3.561E-08	1.448E-07	2.42E-08	1.82623E-13	3.52202E-13	1.12188E-13	7.21211E-14
232	570310.6	4178199	0.55, 41781	0.10691	0.07648	81.28791	24.55019	10.16099	3.94128	1.53623E-10	6.91E-13	1.54E-10	1.17E-07	2.22E-10	1.17E-07	1.46E-08	9.18E-11	1.47E-08	4.76E-14	1.44E-13	8.32E-14	2.17E-14	5.24E-13	2.89E-14	5.7434E-13	7.716E-09	1.1703E-07	1.47E-08	3.95719E-14	7.63173E-14	2.43097E-14	1.56277E-14
233	570350.6	4178199	0.55, 41781	0.11881	0.08587	92.41038	27.80697	11.5513	4.55912	1.70723E-10	7.75E-13	1.71E-10	1.33E-07	2.51E-10	1.33E-07	1.66E-08	1.04E-10	1.67E-08	5.29E-14	1.6E-13	9.25E-14	2.41E-14	5.82E-13	3.21E-14	6.38298E-13	8.575E-09	1.3304E-07	1.67E-08	4.39787E-14	8.4816E-14	2.70168E-14	1.73679E-14
234	570390.6	4178199	0.55, 41781	0.13286	0.09703	98.9418	30.67703	12.36772	5.11284	1.90912E-10	8.76E-13	1.92E-10	1.42E-07	2.77E-10	1.42E-07	1.78E-08	1.12E-10	1.79E-08	5.92E-14	1.79E-13	1.03E-13	2.69E-14	6.51E-13	3.59E-14	7.13815E-13	9.589E-09	1.4245E-07	1.79E-08	4.91817E-14	9.48505E-14	3.02131E-14	1.94227E-14
235	570430.6	4178199	0.55, 41781	0.14935	0.11037	98.24021	33.47488	12.28003	5.57915	2.14607E-10	9.97E-13	2.16E-10	1.41E-07	3.02E-10	1.41E-07	1.76E-08	1.11E-10	1.78E-08	6.65E-14	2.01E-13	1.16E-13	3.03E-14	7.32E-13	4.04E-14	8.02454E-13	1.078E-08	1.4147E-07	1.78E-08	5.5289E-14	1.06629E-13	3.39649E-14	2.18346E-14
236	570470.6	4178199	0.55, 41781	0.1686	0.12646	107.25905	35.76824	13.40738	5.96137	2.42268E-10	1.14E-12	2.43E-10	1.54E-07	3.23E-10	1.54E-07	1.93E-08	1.21E-10	1.94E-08	7.51E-14	2.27E-13	1.31E-13	3.42E-14	8.26E-13	4.56E-14	9.05946E-13	1.217E-08	1.5445E-07	1.94E-08	6.24196E-14	1.20381E-13	3.83454E-14	2.46506E-14
237	570510.6	4178199	0.55, 41781	0.19081	0.14598	111.923	37.71142	13.99038	6.28524	2.74182E-10	1.32E-12	2.76E-10	1.61E-07	3.41E-10	1.61E-07	2.01E-08	1.26E-10	2.02E-08	8.5E-14	2.57E-13	1.49E-13	3.87E-14	9.35E-13	5.16E-14	1.02538E-12	1.378E-08	1.6117E-07	2.02E-08	7.06489E-14	1.36251E-13	4.34007E-14	2.79005E-14
238	570550.6	4178199	0.55, 41781	0.21602	0.16987	119.57772	40.00549	14.94721	6.67621	3.10407E-10	1.53E-12	3.12E-10	1.72E-07	3.61E-10	1.72E-07	2.15E-08	1.35E-10	2.16E-08	9.63E-14	2.91E-13	1.68E-13	4.38E-14	1.06E-12	5.84E-14	1.16101E-12	1.56E-08	1.7219E-07	2.16E-08	7.99937E-14	1.54274E-13	4.91414E-14	3.15909E-14
239	570590.6	4178199	0.55, 41781	0.24388	0.19917	124.08345	42.52786	15.51043	7.78928	3.50441E-10	1.80E-12	3.52E-10	1.78E-07	3.84E-10	1.79E-07	2.23E-08	1.40E-10	2.24E-08	1.09E-13	3.28E-13	1.9E-13	4.95E-14	1.2E-12	6.6E-14	1.311E-12	1.761E-08	1.7868E-07	2.24E-08	9.03276E-14	1.74203E-13	5.54897E-14	3.56719E-14
240	570630.6	4178199	0.55, 41781	0.27242	0.23473	135.79301	45.13025	16.97413	8.73982	3.91451E-10	2.12E-12	3.94E-10	1.95E-07	4.08E-10	1.96E-07	2.44E-08	1.53E-10	2.45E-08	1.21E-13	3.67E-13	2.12E-13	5.53E-14	1.34E-12	7.37E-14	1.46483E-12	1.968E-08	1.9553E-07	2.45E-08	1.00927E-13	1.94644E-13	6.20008E-14	3.98577E-14
241	570670.6	4178199	0.55, 41781	0.29828	0.27729	136.89517	48.04336	17.44831	9.65486	4.2861E-10	2.50E-12	4.31E-10	1.97E-07	4.34E-10	1.97E-07	2.51E-08	1.58E-10	2.52E-08	1.33E-13	4.02E-13	2.33E-13	6.06E-14	1.46E-12	8.07E-14	1.60456E-12	2.156E-08	1.9714E-07	2.52E-08	1.10554E-13	2.13211E-13	6.79152E-14	4.36598E-14
242	570710.6	4178199	0.55, 41781	0.321	0.32818	151.98197	52.23375	19.68934	11.4382	4.61257E-10	2.96E-12	4.64E-10	2.18E-07	4.72E-10	2.19E-07	2.83E-08	1.78E-10	2.85E-08	1.43E-13	4.33E-13	2.5E-13	6.52E-14	1.58E-12	8.69E-14	1.72778E-12	2.321E-08	2.1886E-07	2.85E-08	1.19044E-13	2.29585E-13	7.31306E-14	4.70126E-14
243	570750.6	4178199	0.55, 41781	0.34558	0.38955	144.14265	57.26085	22.53194	13.53855	4.96577E-10	3.52E-12	5E-10	2.07E-07	5.17E-10	2.08E-07	3.24E-08	2.03E-10	3.26E-08	1.54E-13	4.66E-13	2.7E-13	7.03E-14	1.7E-12	9.36E-14	1.8613E-12	2.5E-08	2.0764E-07	3.26E-08	1.28243E-13	2.47327E-13	7.8782E-14	5.06456E-14
244	570790.6	4178199	0.55, 41781	0.38143	0.46429	173.32889	66.95506	25.57778	15.36352	5.48091E-10	4.19E-12	5.52E-10	2.49E-07	6.05E-10	2.5E-07	3.68E-08	2.31E-10	3.7E-08	1.7E-13	5.15E-13	2.98E-13	7.76E-14	1.87E-12	1.03E-13	2.05554E-12	2.761E-08	2.4967E-07	3.7E-08	1.41627E-13	2.73137E-13	8.70036E-14	5.59309E-14
245	570830.6	4178199	0.55, 41781	0.44289	0.55991	200.31972	78.9407	28.47462	17.66262	6.36406E-10	5.06E-12	6.41E-10	2.88E-07	7.13E-10	2.89E-07	4.09E-08	2.57E-10	4.12E-08	1.98E-13	5.98E-13	3.46E-13	9.01E-14	2.18E-12	1.2E-13	2.38745E-12	3.207E-08	2.8856E-07	4.12E-08	1.64495E-13	3.17241E-13	1.01052E-13	6.49621E-14
246	570870.6	4178199	0.55, 41781	0.55133	0.6879	245.75399	83.68372	34.28137	20.83884	7.92227E-10	6.21E-12	7.98E-10	3.53E-07	7.56E-10	3.54E-07	4.93E-08	3.10E-10	4.96E-08	2.46E-13	7.44E-13	4.31E-13	1.12E-13	2.71E-12	1.49E-13	2.97171E-12	3.992E-08	3.5389E-07	4.96E-08	2.0475E-13	3.94876E-13	1.25781E-13	8.08595E-14
247	570910.6	4178199	0.55, 41781	0.74216	0.86472	353.61381	98.21675	44.20173	24.01316	1.06644E-09	7.81E-12	1.07E-09	5.08E-07	8.87E-10	5.09E-07	6.35E-08	3.99E-10	6.39E-08	3.31E-13	1E-12	5.79E-13	1.51E-13	3.65E-12	2.01E-13	3.99824E-12	5.371E-08	5.0901E-07	6.39E-08	2.75478E-13	5.31279E-13	1.69231E-13	1.08791E-13
248	570950.6	4178199	0.55, 41781	1.08517	1.1274	376.11466	111.85514	52.74149	29.33795	1.55932E-09	1.02E-11	1.57E-09	5.4E-07	1.01E-09	5.41E-07	7.58E-08	4.76E-10	7.63E-08	4.84E-13	1.46E-12	8.47E-13	2.21E-13	5.33E-12	2.94E-13	5.84153E-12	7.848E-08	5.4146E-07	7.63E-08	4.02481E-13	7.76213E-13	2.4725E-13	1.58947E-13
249	570990.6	4178199	0.55, 41781	1.58976	1.56693	410.19015	135.68135	68.60008	44.06737	2.28439E-09	1.41E-11	2.3E-09	5.89E-07	1.23E-09	5.91E-07	9.86E-08	6.19E-10	9.92E-08	7.09E-13	2.14E-12	1.24E-12	3.23E-13	7.8E-12	4.3E-13	8.55492E-12	1.149E-07	5.9064E-07	9.92E-08	5.89433E-13	1.13676E-12	3.62098E-13	2.32777E-13
250	571030.6	4178199	0.55, 41781	2.42958	2.27373	561.74649	191.25505	107.05418	55.40677	3.49116E-09	2.05E-11	3.51E-09	8.07E-07	1.73E-09	8.09E-07	1.54E-07	9.67E-10	1.55E-07	1.08E-12	3.27E-12	1.89E-12	4.93E-13	1.19E-11	6.58E-13	1.30701E-11	1.756E-07	8.0892E-07	1.55E-07	9.00531E-13	1.73674E-12	5.53211E-13	3.55636E-13
251	571070.6	4178199	0.55, 41781	3.58306	3.18041	721.18769	259.71405	139.44796	73.67892	5.14864E-09	2.87E-11	5.18E-09	1.04E-06	2.35E-09	1.04E-06	2E-07	1.26E-09	2.02E-07	1.6E-12	4.82E-12	2.79E-12	7.27E-13	1.76E-11	9.69E-13	1.92696E-11	2.589E-07	1.0386E-06	2.02E-07	1.32767E-12	2.56051E-12	8.15611E-13	5.24321E-13
252	571110.6	4178199	0.55, 41781	5.26167	3.22788	536.30163	206.72583	116.57539	57.94295	7.5607E-09	2.91E-11	7.59E-09	7.71E-07	1.87E-09	7.72E-07	1.68E-07	1.05E-09	1.69E-07	2.34E-12	7.07E-12	4.09E-12	1.07E-12	2.58E-11	1.42E-12	2.82486E-11	3.795E-07	7.725E-07	1.69E-07	1.94633E-12	3.75363E-12	1.19566E-12	7.68639E-13
253	571150.6	4178199	0.55, 41781	4.55265	2.7214	406.82024	165.14744	75.27018	43.84452	6.54188E-09	2.46E-11	6.57E-09	5.85E-07	1.49E-09	5.86E-07	1.08E-07	6.80E-10	1.09E-07	2.03E-12	6.12E-12	3.54E-12	9.23E-13	2.23E-11	1.23E-12	2.44397E-11	3.283E-07	5.8607E-07	1.09E-07	1.68389E-12	3.2475E-12	1.03444E-12	6.64998E-13
254	571190.6	4178199	0.55, 41781	3.6655	2.27193	348.88414	129.45816	55.11772	35.12171	5.2671E-09	2.05E-11	5.29E-09	5.01E-07	1.17E-09	5.02E-07	7.92E-08	4.98E-10	7.97E-08	1.63E-12	4.93E-12	2.85E-12	7.43E-13	1.79E-11	9.9E-13	1.968E-11	2.644E-07	5.0249E-07	7.97E-08	1.35595E-12	2.61504E-12	8.3298E-13	5.35487E-13

255	571230.6	4178199	0.55, 41781	2.99647	1.91661	311.11499	100.77545	44.29874	28.05958	4.30574E-09	1.73E-11	4.32E-09	4.47E-07	9.10E-10	4.48E-07	6.37E-08	4.00E-10	6.41E-08	1.33E-12	4.03E-12	2.33E-12	6.07E-13	1.47E-11	8.09E-13	1.609E-11	2.162E-07	4.4796E-07	6.41E-08	1.1086E-12	2.13801E-12	6.81028E-13	4.37804E-13
256	571270.6	4178199	0.55, 41781	2.48655	1.63354	275.28639	78.6156	36.03295	23.70769	3.57302E-09	1.48E-11	3.59E-09	3.96E-07	7.10E-10	3.96E-07	5.18E-08	3.25E-10	5.21E-08	1.11E-12	3.34E-12	1.94E-12	5.04E-13	1.22E-11	6.72E-13	1.33533E-11	1.794E-07	3.9628E-07	5.21E-08	9.20042E-13	1.77437E-12	5.65197E-13	3.63341E-13
257	571310.6	4178199	0.55, 41781	2.04979	1.39182	251.65063	69.80646	31.45633	18.505	2.94542E-09	1.26E-11	2.96E-09	3.62E-07	6.30E-10	3.62E-07	4.52E-08	2.84E-10	4.55E-08	9.13E-13	2.76E-12	1.6E-12	4.16E-13	1E-11	5.54E-13	1.10093E-11	1.479E-07	3.6224E-07	4.55E-08	7.58542E-13	1.4629E-12	4.65985E-13	2.99562E-13
258	571350.6	4178199	0.55, 41781	1.66907	1.18291	207.71058	67.17721	28.41822	15.5683	2.39835E-09	1.07E-11	2.41E-09	2.98E-07	6.07E-10	2.99E-07	4.08E-08	2.57E-10	4.11E-08	7.43E-13	2.24E-12	1.3E-12	3.39E-13	8.18E-12	4.51E-13	8.96617E-12	1.205E-07	2.9907E-07	4.11E-08	6.17768E-13	1.19141E-12	3.79505E-13	2.43968E-13
259	571390.6	4178199	0.55, 41781	1.33874	0.99933	175.53523	63.93291	26.80029	13.20173	1.92369E-09	9.02E-12	1.93E-09	2.52E-07	5.77E-10	2.53E-07	3.85E-08	2.42E-10	3.88E-08	5.96E-13	1.8E-12	1.04E-12	2.72E-13	6.56E-12	3.62E-13	7.19335E-12	9.664E-08	2.5281E-07	3.88E-08	4.95621E-13	9.55841E-13	3.04468E-13	1.95729E-13
260	571430.6	4178199	0.55, 41781	1.08215	0.84466	146.49279	60.30749	24.41546	11.02968	1.55498E-09	7.63E-12	1.56E-09	2.11E-07	5.45E-10	2.11E-07	3.51E-08	2.20E-10	3.53E-08	4.82E-13	1.46E-12	8.43E-13	2.2E-13	5.3E-12	2.93E-13	5.81588E-12	7.813E-08	2.1105E-07	3.53E-08	4.00713E-13	7.72804E-13	2.46165E-13	1.58249E-13
261	571470.6	4178199	0.55, 41781	0.88511	0.71494	129.54701	55.96987	21.59117	9.33698	1.27185E-09	6.46E-12	1.28E-09	1.86E-07	5.05E-10	1.87E-07	3.1E-08	1.95E-10	3.12E-08	3.94E-13	1.19E-12	6.89E-13	1.8E-13	4.34E-12	2.39E-13	4.75772E-12	6.392E-08	1.8666E-07	3.12E-08	3.27806E-13	6.32198E-13	2.01377E-13	1.29456E-13
262	571510.6	4178199	0.55, 41781	0.73336	0.60746	112.64977	51.14316	18.77496	8.40942	1.05379E-09	5.49E-12	1.06E-09	1.62E-07	4.62E-10	1.62E-07	2.7E-08	1.70E-10	2.71E-08	3.27E-13	9.87E-13	5.71E-13	1.49E-13	3.6E-12	1.98E-13	3.94253E-12	5.296E-08	1.6233E-07	2.71E-08	2.7164E-13	5.23876E-13	1.66873E-13	1.07275E-13
263	571550.6	4178199	0.55, 41781	0.6189	0.52125	97.68282	46.08498	16.28047	7.59304	8.89321E-10	4.71E-12	8.94E-10	1.4E-07	4.16E-10	1.41E-07	2.34E-08	1.47E-10	2.35E-08	2.76E-13	8.33E-13	4.82E-13	1.26E-13	3.03E-12	1.67E-13	3.32748E-12	4.47E-08	1.4078E-07	2.35E-08	2.29263E-13	4.4215E-13	1.4084E-13	9.054E-14
264	571590.6	4178199	0.55, 41781	0.52714	0.45016	84.87826	41.93857	14.14638	6.8553	7.57468E-10	4.06E-12	7.62E-10	1.22E-07	3.79E-10	1.22E-07	2.03E-08	1.28E-10	2.05E-08	2.35E-13	7.1E-13	4.11E-13	1.07E-13	2.58E-12	1.43E-13	2.83435E-12	3.808E-08	1.2234E-07	2.05E-08	1.95286E-13	3.76623E-13	1.19967E-13	7.71219E-14
265	570310.6	4178239	0.55, 41782	0.10871	0.07725	69.36135	22.19632	9.49069	3.20395	1.5621E-10	6.98E-13	1.57E-10	9.97E-08	2.00E-10	9.99E-08	1.36E-08	8.57E-11	1.37E-08	4.84E-14	1.46E-13	8.46E-14	2.2E-14	5.33E-13	2.94E-14	5.83992E-13	7.845E-09	9.9868E-08	1.37E-08	4.0237E-14	7.75999E-14	2.47182E-14	1.58903E-14
266	570350.6	4178239	0.55, 41782	0.12097	0.08699	80.24676	23.95533	10.03084	3.79637	1.73826E-10	7.85E-13	1.75E-10	1.15E-07	2.16E-10	1.16E-07	1.44E-08	9.06E-11	1.45E-08	5.39E-14	1.63E-13	9.42E-14	2.45E-14	5.93E-13	3.27E-14	6.49888E-13	8.731E-09	1.1553E-07	1.45E-08	4.47772E-14	8.6356E-14	2.75074E-14	1.76833E-14
267	570390.6	4178239	0.55, 41782	0.13576	0.09875	97.68381	28.15369	12.21048	4.56788	1.95079E-10	8.92E-13	1.96E-10	1.4E-07	2.54E-10	1.41E-07	1.75E-08	1.10E-10	1.77E-08	6.05E-14	1.83E-13	1.06E-13	2.75E-14	6.65E-13	3.67E-14	7.29382E-13	9.799E-09	1.4062E-07	1.77E-08	5.02543E-14	9.69191E-14	3.08721E-14	1.98463E-14
268	570430.6	4178239	0.55, 41782	0.15369	0.11303	112.57412	32.01468	14.07177	5.30028	2.20843E-10	1.02E-12	2.22E-10	1.62E-07	2.89E-10	1.62E-07	2.02E-08	1.27E-10	2.03E-08	6.85E-14	2.07E-13	1.2E-13	3.12E-14	7.53E-13	4.15E-14	8.25754E-13	1.109E-08	1.6205E-07	2.03E-08	5.68944E-14	1.09725E-13	3.49511E-14	2.24686E-14
269	570470.6	4178239	0.55, 41782	0.17542	0.1305	120.86213	35.6675	15.10777	5.94458	2.52068E-10	1.18E-12	2.53E-10	1.74E-07	3.22E-10	1.74E-07	2.17E-08	1.36E-10	2.18E-08	7.81E-14	2.36E-13	1.37E-13	3.56E-14	8.6E-13	4.74E-14	9.42557E-13	1.266E-08	1.7399E-07	2.18E-08	6.4942E-14	1.25245E-13	3.98949E-14	2.56467E-14
270	570510.6	4178239	0.55, 41782	0.20166	0.15208	118.29832	38.86505	14.78729	6.47751	2.89773E-10	1.37E-12	2.91E-10	1.7E-07	3.51E-10	1.7E-07	2.12E-08	1.34E-10	2.14E-08	8.98E-14	2.71E-13	1.57E-13	4.09E-14	9.88E-13	5.45E-14	1.08362E-12	1.456E-08	1.7034E-07	2.14E-08	7.46611E-14	1.43989E-13	4.58655E-14	2.9485E-14
271	570550.6	4178239	0.55, 41782	0.23297	0.17899	134.82021	41.51275	16.85253	6.91879	3.34764E-10	1.62E-12	3.36E-10	1.94E-07	3.75E-10	1.94E-07	2.42E-08	1.52E-10	2.44E-08	1.04E-13	3.13E-13	1.81E-13	4.73E-14	1.14E-12	6.3E-14	1.25197E-12	1.682E-08	1.941E-07	2.44E-08	8.62607E-14	1.6636E-13	5.29913E-14	3.40659E-14
272	570590.6	4178239	0.55, 41782	0.26933	0.21289	138.182	44.61865	17.27275	7.89914	3.87011E-10	1.92E-12	3.89E-10	1.99E-07	4.03E-10	1.99E-07	2.48E-08	1.56E-10	2.5E-08	1.2E-13	3.62E-13	2.1E-13	5.47E-14	1.32E-12	7.28E-14	1.44757E-12	1.945E-08	1.9896E-07	2.5E-08	9.97373E-14	1.92351E-13	6.12703E-14	3.9388E-14
273	570630.6	4178239	0.55, 41782	0.31001	0.25571	151.57706	47.88426	18.94713	9.37801	4.45465E-10	2.31E-12	4.48E-10	2.18E-07	4.32E-10	2.18E-07	2.72E-08	1.71E-10	2.74E-08	1.38E-13	4.17E-13	2.42E-13	6.29E-14	1.52E-12	8.38E-14	1.66657E-12	2.239E-08	2.1824E-07	2.74E-08	1.14826E-13	2.21451E-13	7.05398E-14	4.5347E-14
274	570670.6	4178239	0.55, 41782	0.35129	0.30919	163.01094	51.1286	20.37637	10.66356	5.04782E-10	2.79E-12	5.08E-10	2.34E-07	4.62E-10	2.35E-07	2.93E-08	1.84E-10	2.95E-08	1.57E-13	4.73E-13	2.74E-13	7.13E-14	1.72E-12	9.5E-14	1.88914E-12	2.538E-08	2.347E-07	2.95E-08	1.30161E-13	2.51026E-13	7.99603E-14	5.1403E-14
275	570710.6	4178239	0.55, 41782	0.3879	0.37553	161.77129	55.27243	21.46966	11.91574	5.57388E-10	3.39E-12	5.61E-10	2.32E-07	4.99E-10	2.33E-07	3.09E-08	1.94E-10	3.1E-08	1.73E-13	5.22E-13	3.02E-13	7.88E-14	1.9E-12	1.05E-13	2.08716E-12	2.804E-08	2.3295E-07	3.1E-08	1.43805E-13	2.77339E-13	8.83419E-14	5.67912E-14
276	570750.6	4178239	0.55, 41782	0.41955	0.45853	185.09687	61.2613	24.33831	15.0229	6.02867E-10	4.14E-12	6.07E-10	2.66E-07	5.53E-10	2.67E-07	3.5E-08	2.20E-10	3.52E-08	1.87E-13	5.66E-13	3.27E-13	8.53E-14	2.06E-12	1.14E-13	2.25922E-12	3.035E-08	2.6653E-07	3.52E-08	1.5566E-13	3.00202E-13	9.56245E-14	6.14729E-14
277	570790.6	4178239	0.55, 41782	0.45531	0.56517	195.76674	71.16962	30.0466	17.67317	6.54252E-10	5.10E-12	6.59E-10	2.81E-07	6.43E-10	2.82E-07	4.32E-08	2.71E-10	4.34E-08	2.03E-13	6.14E-13	3.56E-13	9.26E-14	2.24E-12	1.23E-13	2.45406E-12	3.297E-08	2.8195E-07	4.34E-08	1.69084E-13	3.26091E-13	1.03871E-13	6.67743E-14
278	570830.6	4178239	0.55, 41782	0.51729	0.70869	186.14136	86.93814	30.32646	20.0795	7.43314E-10	6.40E-12	7.5E-10	2.67E-07	7.85E-10	2.68E-07	4.36E-08	2.74E-10	4.39E-08	2.31E-13	6.99E-13	4.04E-13	1.05E-13	2.54E-12	1.4E-13	2.79036E-12	3.749E-08	2.6826E-07	4.39E-08	1.92255E-13	3.70778E-13	1.18105E-13	7.5925E-14
279	570870.6	4178239	0.55, 41782	0.63421	0.91745	225.98347	96.3139	37.66391	24.81387	9.11321E-10	8.28E-12	9.2E-10	3.25E-07	8.70E-10	3.26E-07	5.41E-08	3.40E-10	5.45E-08	2.84E-13	8.57E-13	4.96E-13	1.29E-13	3.12E-12	1.72E-13	3.42268E-12	4.598E-08	3.2559E-07	5.45E-08	2.35822E-13	4.548E-13	1.44869E-13	9.31302E-14
280	570910.6	4178239	0.55, 41782	0.85302	1.23442	293.13359	117.47886	47.06613	30.6738	1.22574E-09	1.11E-11	1.24E-09	4.21E-07	1.06E-09	4.22E-07	6.76E-08	4.25E-10	6.81E-08	3.82E-13	1.15E-12	6.67E-13	1.74E-13	4.2E-12	2.32E-13	4.60356E-12	6.184E-08	4.2228E-07	6.81E-08	3.17184E-13	6.11713E-13	1.94852E-13	1.25262E-13
281	570950.6	4178239	0.55, 41782	1.35023	1.79208	455.80102	142.22416	68.40553	39.86266	1.9402E-09	1.62E-11	1.96E-09	6.55E-07	1.28E-09	6.56E-07	9.83E-08	6.18E-10	9.89E-08	6.04E-13	1.82E-12	1.06E-12	2.75E-13	6.64E-12	3.66E-13	7.28145E-12	9.782E-08	6.5624E-07	9.89E-08	5.01691E-13	9.67546E-13	3.08197E-13	1.98126E-13
282	570990.6	4178239	0.55, 41782	3.0182	3.06414	885.93977	193.04223	147.1874	58.20401	4.33697E-09	2.77E-11	4.36E-09	1.27E-06	1.74E-09	1.27E-06	2.11E-07	1.33E-09	2.13E-07	1.35E-12	4.07E-12	2.35E-12	6.13E-13	1.48E-11	8.17E-13	1.62447E-11	2.182E-07	1.2748E-06	2.13E-07	1.11926E-12	2.15857E-12	6.8758E-13	4.42015E-13
283	571030.6	4178239	0.55, 41782	7.70332	4.46365	679.65913	243.63294	144.28562	71.78775	1.10692E-08	4.03E-11	1.11E-08	9.77E-07	2.20E-09	9.79E-07	2.07E-07	1.30E-09	2.09E-07	3.43E-12	1.04E-11	5.99E-12	1.56E-12	3.77E-11	2.08E-12	4.13484E-11	5.555E-07	9.7883E-07	2.09E-07	2.8489E-12	5.49431E-12	1.75013E-12	1.12508E-12
284	571110.6	4178239	0.55, 41782	48.37684	13.76668	1082.14109	288.2044	441.33003	115.9324	6.95145E-08	1.24E-10	6.96E-08	1.55E-06	2.60E-09	1.56E-06	6.34E-07	3.99E-09	6.38E-07	2.15E-11	6.49E-11	3.76E-11	9.79E-12	2.36E-10	1.3E-11	2.59189E-10	3.482E-06	1.5576E-06	6.38E-07	1.78581E-11	3.44406E-11	1.09705E-11	7.05247E-12
285	571150.6	4178239	0.55, 41782	14.38318	6.22649	550.93904	192.81003	147.46183	59.89562	2.06677E-08	5.62E-11	2.07E-08	7.92E-07	1.74E-09	7.93E-07	2.12E-07	1.33E-09	2.13E-07	6.4E-12	1.93E-11	1.12E-11	2.91E-12	7.03E-11	3.88E-12	7.71325E-11	1.036E-06	7.9341E-07	2.13E-07	5.31442E-12	1.02492E-11	3.26473E-12	2.09876E-12
286	571190.6	4178239	0.55, 41782	8.08563	4.10425	423.01159	138.20819	88.76631	43.45879	1.16186E-08	3.71E-11	1.17E-08	6.08E-07	1.25E-09	6.09E-07	1.28E-07	8.02E-10	1.28E-07	3.6E-12	1.09E-11	6.29E-12	1.64E-12	3.96E-11	2.18E-12	4.3381E-11	5.828E-07	6.0909E-07	1.28E-07	2.98895E-12	5.7644E-12	1.83616E-12	1.18039E-12
287	571230.6	4178239	0.55, 41782	5.48613	3.01374	364.79857	99.98669	64.1708	32.88659	7.88323E-09	2.72E-11	7.91E-09	5.24E-07	9.03E-10	5.25E-07	9.22E-08	5.79E-10	9.28E-08	2.44E-12	7.37E-12	4.27E-12	1.11E-12	2.68E-11	1.48E-12	2.94419E-11	3.955E-07	5.251E-07	9.28E-08	2.02854E-12	3.91219E-12	1.24617E-12	8.01107E-13
288	571270.6	4178239	0.55, 41782	3.91656	2.30583	308.69657	91.16262	42.97299	25.31404	5.62786E-09	2.08E-11	5.65E-09	4.44E-07	8.23E-10	4.44E-07	6.17E-08	3.88E-10	6.21E-08	1.74E-12	5.26E-12	3.05E-12	7.94E-13	1.92E-11	1.06E-12	2.10238E-11	2.824E-07	4.444E-07	6.21E-08	1.44854E-12	2.79361E-12	8.8986E-13	5.72053E-13
289	571310.6	4178239	0.55, 41782	2.81911	1.80691	238.76095	82.99282	36.57222	19.65898	4.05089E-09	1.63E-11	4.07E-09	3.43E-07	7.49E-10	3.44E-07	5.26E-08	3.30E-10	5.29E-08	1.26E-12	3.79E-12	2.19E-12	5.72E-13	1.38E-11	7.62E-13	1.51377E-11	2.034E-07	3.4383E-07	5.29E-08	1.04299E-12	2.01147E-12	6.40724E-13	4.11894E-13
290	571350.6	4178239	0.55, 41782	2.07392	1.43877	186.98174	75.01218	31.16362	15.62493	2.9801E-09	1.30E-11	2.99E-09	2.69E-07	6.77E-10	2.69E-07	4.48E-08	2.81E-10	4.51E-08	9.24E-13	2.79E-12	1.61E-12	4.21E-13	1.02E-11	5.6E-13	1.114E-11	1.497E-07	2.6936E-07	4.51E-08	7.67542E-13	1.48026E-12	4.71514E-13	3.03116E-13
291	571390.6	4178239	0.55, 41782	1.57003	1.1589	153.36435	67.14235	25.56072	13.28221	2.25604E-09	1.05E-11	2.27E-09	2.2E-07	6.06E-10	2.21E-07	3.67E-08	2.31E-10	3.7E-08	6.99E-13	2.11E-12	1.22E-12	3.18E-13	7.69E-12	4.24E-13	8.43569E-12	1.133E-07	2.2098E-07	3.7E-08	5.81218E-13	1.12092E-12	3.57051E-13	2.29533E-13
292	571430.6	4178239	0.55, 41782	1.23548	0.94866	124.99719	59.46648	20.83286	11.6734	1.77531E-09	8.57E-12	1.78E-09	1.8E-07	5.37E-10	1.8E-07	2.99E-08	1.88E-10	3.01E-08	5.5E-13	1.66E-12	9.62E-13	2.51E-13	6.05E-12	3.34E-13	6.6394E-12	8.919E-08	1.8015E-07	3.01E-08	4.57454E-13	8.82232E-13	2.81021E-13	1.80657E-13
293	571470.6	4178239	0.55, 41782	0.99131	0.7845	109.3041	54.21436	17.2339	10.26711	1.42445E-09	7.08E-12	1.43E-09	1.57E-07	4.90E-10	1.58E-07	2.48E-08	1.56E-10	2.49E-08	4.42E-13	1.33E-12	7.72E-13	2.01E-13	4.86E-12	2.68E-13	5.32803E-12	7.158E-08	1.5755E-07	2.49E-08	3.671E-13	7.0798E-13	2.25516E-13	1.44974E-13
294	571510.6	4178239	0.55, 41782	0.81688	0.65976	100.30585	50.40167	14.55844	9.03737	1.17381E-09	5.96E-12	1.18E-09	1.44E-07	4.55E-10	1.45E-07	2.09E-08	1.31E-10	2.11E-08	3.64E-13	1.1E-12	6.36E-13	1.66E-13	4E-12	2.21E-13	4.39096E-12	5.899E-08	1.4459E-07	2.11E-08	3.02537E-13	5.83463E-13	1.85853E-13	1.19477E-13
295	571550.6	4178239	0.55, 41782	0.68618	0.56281	92.19218	46.80105	12.52836	7.96128	9.85998E-10	5.08E-12	9.91E-10	1.32E-07	4.23E-10	1.33E-07	1.8E-08	1.13E-10	1.81E-08	3.06E-13	9.23E-13	5.35E-13	1.39E-13	3.36E-12	1.86E-13	3.6887E-12	4.955E-08	1.329E-07	1.81E-08	2.54151E-13	4.90148E-13	1.56129E-13	1.00369E-13
296	571590.6	4178239	0.55, 41782	0.57854	0.48285	84.94405	43.3686	10.89629	7.01254	8.31326E-10	4.36E-12	8.36E-10	1.22E-07	3.92E-10	1.22E-07	1.57E-08	9.84E-11	1.58E-08	2.58E-13	7.79E-13	4.51E-13	1.17E-13	2.84E-12	1.56E-13	3.11034E-12	4.178E-08	1.2245E-07	1.58E-08	2.14302E-13	4.13297E-13	1.31649E-13	8.46316E-14
297	570310.6	4178279	0.55, 41782	0.11004	0.07807	74.04292	22.79319	10.17864	3.64675	1.58121E-10	7.05E-13	1.59E-10	1.06E-07	2.06E-10	1.07E-07	1.46E-08	9.19E-11	1.47E-08	4.9E-14	1.48E-13	8.57E-14	2.23E-14	5.39E-13	2.97E-14	5.91133E-13	7.941E-09	1.066E-07	1.47E-08	4.0729E-14	7.85488E-14	2.50205E-14	1.60846E-14
298	570350.6	4178279	0.55, 41782	0.12249	0.08802	80.9847	23.74961	11.08549	3.81596	1.76011E-10	7.95E-13	1.77E-10	1.16E-07	2.14E-10	1.17E-07	1.59E-08	1.00E-10	1.6E-08	5.46E-14	1.65E-13	9.54E-14	2.48E-14	6E-13	3.31E-14	6.58052E-13	8.84E-09	1.1658E-07	1.6E-08	4.53397E-14	8.74408E-14	2.78529E-14	1.79054E-14
299	570390.6	4178279	0.55, 41782	0.13757	0.10016	86.03589	24.80698	11.74551	4.00404	1.9768E-10	9.04E-13	1.99E-10	1.24E-07	2.24E-10	1.24E-07	1.69E-08	1.06E-10	1.7E-08	6.13E-14	1.85E-13	1.07E-13	2.79E-14	6.74E-13	3.72E-14	7.3911E-13	9.929E-09	1.2385E-07	1.7E-08	5.09246E-14	9.82116E-14	3.12838E-14	2.0111E-14
300	570430.6	4178279	0.55, 41782	0.15607	0.11514	96.31741	27.84204	12.03968	4.46456	2.24263E-10	1.04E-12	2.25E-10	1.38E-07	2.51E-10	1.39E-07	1.73E-08	1.09E-10	1.74E-08	6.95E-14	2.1E-13	1.22E-13	3.17E-14	7.65E-13	4.22E-14	8.38554E-13	1.127E-08	1.3865E-07	1.74E-08	5.77762E-14	1.11426E-13	3.54929E-14	2.28169E-14
301	570470.6	4178279	0.55, 41782	0.17907	0.13378	120.52086	33.01708	15.06511	5.41696	2.57313E-10	1.21E-12	2.59E-10	1.73E-07	2.98E-10	1.73E-07	2.16E-08	1.36E-10	2.18E-08	7.98E-14	2.41E-13	1.39E-13	3.63E-14	8.77E-13	4.84E-14	9.62187E-13	1.293E-08	1.7348E-07	2.18E-08	6.62946E-14	1.27854E-13	4.07258E-14	2.61809E-14
302	570510.6	4178279	0.55, 41782	0.20795	0.15724	141.57577	37.85068	17.69697	6.30845	2.98811E-10	1.42E-12	3E-10	2.03E-07	3.42E-10	2.04E-07	2.54E-08	1.60E-10	2.56E-08	9.26E-14	2.8E-13	1.62E-13	4.22E-14	1.02E-12	5.62E-14	1.11743E-12	1.501E-08	2.0378E-07	2.56E-08	7.69908E-14	1.48482E-13	4.72967E-14	3.0405E-14
303	570550.6	4178279	0.55, 41782	0.24435	0.18714	153.17347	42.50173	19.14668	7.08362	3.51116E-10	1.69E-12	3.53E-10	2.2E-07	3.84E-10	2.2E-07	2.75E-08	1.73E-10	2.77E-08	1.09E-13	3.29E-13	1.9E-13	4.96E-14	1.2E-12	6.61E-14	1.31311E-12	1.764E-08	2.2048E-07	2.77E-08	9.04729E-14	1.74483E-13	5.5579E-14	3.57293E-14
304	570590.6	4178279	0.55, 41782	0.28993	0.22577	157.86485	46.41285	19.73311	7.73548	4.16612E-10	2.04E-12	4.19E-10	2.27E-07	4.19E-10	2.27E-07	2.84E-08	1.78E-10	2.85E-08	1.29E-13	3.9E-13	2.26E-13	5.88E-14	1.42E-12	7.84E-14	1.55817E-12	2.093E-08	2.2726E-07	2.85E-08	1.07358E-13	2.07047E-13	6.59517E-14	4.23975E-14
305	570630.6	4178279	0.55, 41782	0.34541	0.27631	169.89337	50.77009	21.23667	9.57894	4.96333E-10	2.49E-12	4.99E-10	2.44E-07	4.58E-10	2.45E-07	3.05E-08	1.92E-10	3.07E-08	1.54E-13	4.65E-13	2.69E-13	7.01E-14	1.69E-12	9.34E-14	1.85659E-12	2.494E-08	2.4458E-07	3.07E-08	1.27919E-13	2.467E-13	7.85825E-14	5.05173E-14
306	570670.6	4178279	0.55, 41782	0.40869	0.34273	189.16159	55.36754	23.6452	11.64813	5.87262E-10	3.09E-12	5.9E-10	2.72E-07	5.00E-10	2.72E-07	3.4E-08	2.14E-10	3.42E-08	1.82E-13	5.5E-13	3.18E-13	8.3E-14	2E-12	1.11E-13	2.19725E-12	2.952E-08	2.7231E-07	3.42E-08	1.5139E-13	2.91967E-13	9.30015E-14	5.97866E-14
307	570710.6	4178279	0.55, 41782	0.47241	0.42944	202.37611	59.97812	25.29701	13.4468	6.78824E-10	3.88E-12	6.83E-10	2.91E-07	5.42E-10	2.91E-07	3.64E-08	2.28E-10	3.66E-08	2.11E-13	6.36E-13	3.68E-13	9.59E-14	2.32E-12	1.28E-13	2.54095E-12	3.414E-08	2.9134E-07	3.66E-08	1.75071E-13	3.37637E-13	1.07549E-13	6.91386E-14
308	570750.6	4178279	0.55, 41782	0.52143	0.53099	207.36077	66.44988	28.38204	16.35494	7.49263E-10	4.79E-12	7.54E-10	2.98E-07	6.00E-10	2.99E-07	4.08E-08	2.56E-10	4.1E-08	2.33E-13	7.03E-13	4.07E-13	1.06E-13	2.56E-12	1.41E-13	2.80653E-12	3.77E-08	2.9856E-07	4.1E-08	1.93369E-13	3.72926E-13	1.1879E-13	7.63649E-14
309	570790.6	4178279	0.55, 41782	0.56782	0.69623	217.33897	75.80804	33.24185	20.36018	8.15922E-10	6.29E-12	8.22E-10	3.12E-07	6.85E-10	3.13E-07	4.78E-08	3.00E-10	4.81E-08	2.54E-13	7.66E-13	4.43E-13	1.16E-13	2.79E-12	1.54E-13	3.06018E-12	4.111E-08	3.1299E-07	4.81E-08	2.10846E-13	4.06631E-13	1.29526E-13	8.32668E-14
310	570830.6	4178279	0.55, 41782	0.62461	0.91706	236.67869	94.57659	34.09074	24.90976	8.97526E-10	8.28E-12	9.06E-10	3.4E-07	8.54E-10	3.41E-07	4.9E-08	3.08E-10	4.93E-08	2.8E-13	8.44E-13	4.89E-13	1.27E-13	3.07E-12	1.7E-13	3.37132E-12	4.529E-08	3.4095E-07	4.93E-08	2.32284E-13	4.47976E-13	1.42696E-13	9.17329E-14
311	570870.6	4178279	0.55, 41782	0.74364	1.27032	232.57719	121.10786	38.76287	29.17824	1.06856E-09	1.15E-11	1.08E-09	3.34E-07	1.09E-09	3.35E-07	5.57E-08	3.50E-10	5.6E-08	3.33E-13	1.01E-12	5.83E-13	1.52E-13	3.67E-12	2.02E-13	4.01978E-12	5.4E-08	3.3529E-07	5.6E-08	2.76962E-13	5.34142E-13	1.70143E-13	1.09377E-13
312	570910.6	4178279	0.55, 41782	0.98087	1.94043	289.58181	139.00222	48.26363	45.30681	1.40945E-09	1.75E-11	1.43E-09	4.16E-07	1.26E-09	4.17E-07	6.94E-08	4.36E-10	6.98E-08	4.4E-13	1.33E-12	7.7E-13	2.01E-13	4.84E-12	2.67E-13	5.31104E-12	7.135E-08	4.1737E-07	6.98E-08	3.6593E-13	7.05722E-13	2.24797E-13	1.44512E-13
313	570950.6	4178279	0.55, 41782	1.54705	3.33468	380.89662	209.14004	63.48277	60.99964	2.22302E-09	3.01E-11	2.25E-09	5.47E-07	1.89E-09	5.49E-07	9.12E-08	5.73E-10	9.18E-08	6.95E-13	2.1E-12	1.22E-12	3.17E-13	7.65E-12	4.22E-13	8.38591E-12	1.127E-07	5.4921E-07	9.18E-08	5.77788E-13	1.11431E-12	3.54945E-13	2.28179E-13
314	571150.6	4178279	0.55, 41782	125.5821	15.27099	2183.625	235.47088	1020.3296	115.3363	1.80454E-07	1.38E-10	1.81E-07	3.14E-06	2.13E-09	3.14E-06	1.47E-06	9.21E-09	1.48E-06	5.57E-11	1.68E-10	9.74E-11	2.54E-11	6.13E-10	3.38E-11	6.72144E-10	9.03E-06	3.1399E-06	1.48E-06	4.63106E-11	8.93133E-11	2.84494E-11	1.82889E-11
315	571190.6	4178279	0.55, 41782	19.14498	7.50998	704.1647	157.76938	186.41477	61.8786	2.75102E-08	6.78E-11	2.76E-08	1.01E-06	1.42E-09	1.01E-06	2.68E-07	1.68E-09	2.7E-07	8.51E-12	2.57E-11	1.49E-11	3.88E-12	9.36E-11	5.16E-12	1.02642E-10	1.379E-06	1.0133E-06	2.7E-07	7.07205E-12	1.3639E-11	4.34447E-12	2.79288E-12
316	571230.6	4178279	0.55, 41782	9.41744	4.44398	418.2482	120.63814	87.01567	39.51148	1.35323E-08	4.01E-11	1.36E-08	6.01E-07	1.09E-09	6.02E-07	1.25E-07	7.86E-10	1.26E-07	4.19E-12	1.26E-11	7.32E-12	1.91E-12	4.61E-11	2.54E-12	5.05151E-11	6.786E-07	6.0209E-07	1.26E-07	3.48049E-12	6.71237E-12	2.13812E-12	1.37451E-12
317	571270.6	4178279	0.55, 41782	5.33507	3.02277	265.61255	99.06709	58.88721	29.56115	7.66617E-09	2.73E-11	7.69E-09	3.82E-07	8.95E-10	3.83E-07	8.46E-08	5.32E-10	8.51E-08	2.37E-12	7.17E-12	4.15E-12	1.08E-12	2.61E-11	1.44E-12	2.86343E-11	3.847E-07	3.8256E-07	8.51E-08	1.9729E-12	3.80488E-12	1.21198E-12	7.79132E-13
318	571310.6	4178279	0.55, 41782	3.44949	2.20529	197.38222	83.78037	42.40574	23.44903	4.9567E-09	1.99E-11	4.98E-09	2.84E-07	7.57E-10	2.84E-07	6.09E-08	3.83E-10	6.13E-08	1.54E-12	4.64E-12	2.68E-12	6.99E-13	1.69E-11	9.32E-13	1.85225E-11	2.488E-07	2.8438E-07	6.13E-08	1.2762E-12	2.46123E-12	7.83988E-13	5.03992E-13
319	571350.6	4178279	0.55, 41782	2.42474	1.67304	164.77993	74.08708	31.82391	19.20475	3.4842E-09	1.51E-11	3.5E-09	2.37E-07	6.69E-10	2.37E-07	4.57E-08	2.87E-10	4.6E-08	1.08E-12	3.26E-12	1.89E-12	4.92E-13	1.19E-11	6.55E-13	1.30241E-11	1.75E-07	2.3745E-07	4.6E-08	8.97357E-13	1.73062E-12	5.51261E-13	3.54382E-13
320	571390.6	4178279	0.55, 41782	1.80332	1.30805	139.62437	66.18564	24.75802	16.07748	2.59126E-09	1.18E-11	2.6E-09	2.01E-07	5.98E-10	2.01E-07	3.56E-08	2.24E-10	3.58E-08	8.03E-13	2.43E-12	1.4E-12	3.66E-13	8.84E-12	4.87E-13	9.68837E-12	1.302E-07	2.0123E-07	3.58E-08	6.67527E-13	1.28737E-12	4.10073E-13	2.63618E-13
321	571430.6	4178279	0.55, 41782	1.38872	1.04688	120.07885	59.47148	19.78612	13.66223	1.9955E-09	9.45E-12	2E-09	1.73E-07	5.37E-10	1.73E-07	2.84E-08	1.79E-10	2.86E-08	6.19E-13	1.87E-12	1.08E-12	2.82E-13	6.81E-12	3.75E-13	7.46225E-12	1.002E-07	1.7308E-07	2.86E-08	5.14148E-13	9.91571E-13	3.1585E-13	2.03046E-13
322	571470.6	4178279	0.55, 41782	1.11171	0.86066	104.95004	53.66694	16.34545	11.81303	1.59746E-09	7.77E-12	1.61E-09	1.51E-07	4.85E-10	1.51E-07	2.35E-08	1.48E-10	2.36E-08	4.95E-13	1.5E-12	8.66E-13	2.26E-13	5.45E-12	3.01E-13	5.97451E-12	8.026E-08	1.5129E-07	2.36E-08	4.11643E-13	7.93882E-13	2.52879E-13	1.62565E-13
323	571510.6	4178279	0.55, 41782	0.90331	0.71725	92.95227	48.50847	13.70064	10.27697	1.298E-09	6.48E-12	1.3E-09	1.34E-07	4.38E-10	1.34E-07	1.97E-08	1.24E-10	1.98E-08	4.03E-13	1.22E-12	7.04E-13	1.83E-13	4.43E-12	2.44E-13	4.85513E-12	6.522E-08	1.34E-07	1.98E-08	3.34518E-13	6.45142E-13	2.055E-13	1.32107E-13
324	571550.6	4178279	0.55, 41782	0.74685	0.60641	83.35854	43.88956	11.6678	9.00306	1.07318E-09	5.48E-12	1.08E-09	1.2E-07	3.96E-10	1.2E-07	1.68E-08	1.05E-10	1.69E-08	3.33E-13	1.01E-12	5.82E-13	1.52E-13	3.66E-12	2.02E-13	4.01464E-12	5.393E-08	1.2018E-07	1.69E-08	2.76608E-13	5.33458E-13	1.69925E-13	1.09237E-13
325	571590.6	4178279	0.55, 41782	0.63093	0.52161	75.57295	41.1264	10.11638	7.96472	9.06607E-10	4.71E-12	9.11E-10	1.09E-07	3.71E-10	1.09E-07	1.45E-08	9.13E-11	1.46E-08	2.81E-13	8.49E-13	4.92E-13	1.28E-13	3.09E-12	1.71E-13	3.39183E-12	4.557E-08	1.0897E-07	1.46E-08	2.33697E-13	4.50701E-13	1.43564E-13	9.2291E-14
326	570310.6	4178319	0.55, 41783	0.1112	0.07908	65.67409	25.12162	10.72274	3.92383	1.59788E-10	7.14E-13	1.61E-10	9.44E-08	2.27E-10	9.46E-08	1.54E-08	9.68E-11	1.55E-08	4.95E-14	1.5E-13	8.66E-14	2.26E-14	5.45E-13	3.01E-14	5.97371E-13	8.025E-09	9.4596E-08	1.55E-08	4.11588E-14	7.93776E-14	2.52845E-14	1.62543E-14
327	570350.6	4178319	0.55, 41783	0.12381	0.08915	72.99363	26.3644	10.96785	4.13077	1.77907E-10	8.05E-13	1.79E-10	1.05E-07	2.38E-10	1.05E-07	1.58E-08	9.90E-11	1.59E-08	5.51E-14	1.67E-13	9.64E-14	2.51E-14	6.07E-13	3.35E-14	6.65149E-13	8.936E-09	1.0513E-07	1.59E-08	4.58287E-14	8.83839E-14	2.81533E-14	1.80986E-14
328	570390.6	4178319	0.55, 41783	0.13907	0.1015	85.61577	27.73961	11.84211	4.3586	1.99835E-10	9.17E-13	2.01E-10	1.23E-07	2.50E-10	1.23E-07	1.7E-08	1.07E-10	1.71E-08	6.19E-14	1.87E-13	1.08E-13	2.82E-14	6.81E-13	3.76E-14	7.47177E-13	1.004E-08	1.2328E-07	1.71E-08	5.14804E-14	9.92836E-14	3.16252E-14	2.03305E-14
329	570430.6	4178319	0.55, 41783	0.15783	0.11689	97.99246	29.27563	13.47747	4.61214	2.26792E-10	1.06E-12	2.28E-10	1.41E-07	2.64E-10	1.41E-07	1.94E-08	1.22E-10	1.95E-08	7.03E-14	2.12E-13	1.23E-13	3.2E-14	7.73E-13	4.27E-14	8.48025E-13	1.139E-08	1.4107E-07	1.95E-08	5.84288E-14	1.12684E-13	3.58938E-14	2.30746E-14
330	570470.6	4178319	0.55, 41783	0.18134	0.13633	108.90086	31.01454	14.92794	4.89871	2.60574E-10	1.23E-12	2.62E-10	1.56E-07	2.80E-10	1.57E-07	2.15E-08	1.35E-10	2.16E-08	8.08E-14	2.44E-13	1.41E-13	3.68E-14	8.89E-13	4.9E-14	9.74413E-13	1.309E-08	1.5676E-07	2.16E-08	6.71369E-14	1.29478E-13	4.12433E-14	2.65136E-14
331	570510.6	4178319	0.55, 41783	0.21129	0.16124	118.40452	33.29424	15.9306	5.40834	3.03611E-10	1.46E-12	3.05E-10	1.7E-07	3.01E-10	1.7E-07	2.29E-08	1.44E-10	2.3E-08	9.41E-14	2.84E-13	1.65E-13	4.29E-14	1.04E-12	5.71E-14	1.13543E-12	1.525E-08	1.7044E-07	2.3E-08	7.82308E-14	1.50874E-13	4.80584E-14	3.08947E-14
332	570550.6	4178319	0.55, 41783	0.2503	0.19368	153.9338	39.94632	19.24172	6.62991	3.59666E-10	1.75E-12	3.61E-10	2.21E-07	3.61E-10	2.22E-07	2.76E-08	1.74E-10	2.78E-08	1.12E-13	3.37E-13	1.95E-13	5.08E-14	1.23E-12	6.77E-14	1.34515E-12	1.807E-08	2.2155E-07	2.78E-08	9.26805E-14	1.78741E-13	5.69352E-14	3.66012E-14
333	570590.6	4178319	0.55, 41783	0.30196	0.23671	186.54438	46.61587	23.31805	7.76931	4.33898E-10	2.14E-12	4.36E-10	2.68E-07	4.21E-10	2.68E-07	3.35E-08	2.11E-10	3.37E-08	1.35E-13	4.06E-13	2.35E-13	6.13E-14	1.48E-12	8.16E-14	1.62288E-12	2.18E-08	2.6847E-07	3.37E-08	1.11816E-13	2.15645E-13	6.86905E-14	4.41582E-14
334	570630.6	4178319	0.55, 41783	0.37105	0.29503	205.0145	52.79857	25.62681	8.79976	5.33176E-10	2.66E-12	5.36E-10	2.95E-07	4.77E-10	2.95E-07	3.68E-08	2.31E-10	3.71E-08	1.65E-13	4.99E-13	2.89E-13	7.53E-14	1.82E-12	1E-13	1.99434E-12	2.679E-08	2.9507E-07	3.71E-08	1.3741E-13	2.65005E-13	8.44131E-14	5.42656E-14
335	570670.6	4178319	0.55, 41783	0.462	0.37572	218.45656	59.57781	27.30707	11.98561	6.63865E-10	3.39E-12	6.67E-10	3.14E-07	5.38E-10	3.14E-07	3.92E-08	2.47E-10	3.95E-08	2.06E-13	6.22E-13	3.6E-13	9.38E-14	2.26E-12	1.25E-13	2.48347E-12	3.336E-08	3.1445E-07	3.95E-08	1.71111E-13	3.29999E-13	1.05116E-13	6.75746E-14
336	570710.6	4178319	0.55, 41783	0.57218	0.48827	242.44958	66.62286	30.3062	15.15553	8.22187E-10	4.41E-12	8.27E-10	3.48E-07	6.02E-10	3.49E-07	4.35E-08	2.74E-10	4.38E-08	2.55E-13	7.7E-13	4.46E-13	1.16E-13	2.81E-12	1.55E-13	3.07651E-12	4.133E-08	3.4899E-07	4.38E-08	2.11971E-13	4.08801E-13	1.30217E-13	8.37111E-14
337	570750.6	4178319	0.55, 41783	0.67767	0.63416	262.41203	72.71034	32.8015	17.84948	9.7377E-10	5.73E-12	9.79E-10	3.77E-07	6.57E-10	3.78E-07	4.71E-08	2.96E-10	4.74E-08	3.02E-13	9.13E-13	5.28E-13	1.38E-13	3.32E-12	1.83E-13	3.64559E-12	4.897E-08	3.7773E-07	4.74E-08	2.5118E-13	4.84419E-13	1.54304E-13	9.91956E-14
338	570790.6	4178319	0.55, 41783	0.76041	0.85502	285.66779	86.45349	42.9347	23.67926	1.09266E-09	7.72E-12	1.1E-09	4.1E-07	7.81E-10	4.11E-07	6.17E-08	3.88E-10	6.21E-08	3.4E-13	1.03E-12	5.94E-13	1.55E-13	3.73E-12	2.06E-13	4.09551E-12	5.502E-08	4.1127E-07	6.21E-08	2.8218E-13	5.44205E-13	1.73348E-13	1.11438E-13
339	570830.6	4178319	0.55, 41783	0.82107	1.23378	302.59427	109.05103	45.07728	29.79255	1.17983E-09	1.11E-11	1.19E-09	4.35E-07	9.85E-10	4.36E-07	6.48E-08	4.07E-10	6.52E-08	3.68E-13	1.11E-12	6.42E-13	1.67E-13	4.04E-12	2.23E-13	4.43266E-12	5.955E-08	4.3579E-07	6.52E-08	3.0541E-13	5.89005E-13	1.87618E-13	1.20612E-13
340	570870.6	4178319	0.55, 41783	0.93174	1.8881	263.71888	150.69846	37.23183	42.82711	1.33885E-09	1.70E-11	1.36E-09	3.79E-07	1.36E-09	3.8E-07	5.35E-08	3.36E-10	5.38E-08	4.18E-13	1.26E-12	7.31E-13	1.91E-13	4.6E-12	2.54E-13	5.04653E-12	6.78E-08	3.8031E-07	5.38E-08	3.47705E-13	6.70574E-13	2.13601E-13	1.37315E-13
341	570910.6	4178319	0.55, 41783	1.19482	3.5981	225.26352	195.84246	37.31993	59.22953	1.71688E-09	3.25E-11	1.75E-09	3.24E-07	1.77E-09	3.25E-07	5.36E-08	3.37E-10	5.4E-08	5.4E-13	1.63E-12	9.44E-13	2.46E-13	5.94E-12	3.28E-13	6.51099E-12	8.747E-08	3.2546E-07	5.4E-08	4.48606E-13	8.65169E-13	2.75586E-13	1.77162E-13
342	571190.6	4178319	0.55, 41783	29.13102	9.74239	1204.46355	192.40018	337.10397	86.14095	4.18595E-08	8.80E-11	4.19E-08	1.73E-06	1.74E-09	1.73E-06	4.84E-07	3.04E-09	4.87E-07	1.29E-11	3.91E-11	2.26E-11	5.89E-12	1.42E-10	7.85E-12	1.56124E-10	2.097E-06	1.7325E-06	4.87E-07	1.07569E-11	2.07455E-11	6.60816E-12	4.2481E-12
343	571230.6	4178319	0.55, 41783	10.45163	5.25398	479.33008	117.37647	126.19986	44.06446	1.50183E-08	4.74E-11	1.51E-08	6.89E-07	1.06E-09	6.9E-07	1.81E-07	1.14E-09	1.82E-07	4.65E-12	1.4E-11	8.13E-12	2.12E-12	5.11E-11	2.82E-12	5.60734E-11	7.533E-07	6.8983E-07	1.82E-07	3.86345E-12	7.45093E-12	2.37338E-12	1.52574E-12
344	571270.6	4178319	0.55, 41783	5.72808	3.4301	292.22118	96.9874	63.79547	33.00222	8.2309E-09	3.10E-11	8.26E-09	4.2E-07	8.76E-10	4.21E-07	9.17E-08	5.76E-10	9.22E-08	2.55E-12	7.7E-12	4.46E-12	1.16E-12	2.8E-11	1.55E-12	3.07499E-11	4.131E-07	4.2078E-07	9.22E-08	2.11866E-12	4.08599E-12	1.30153E-12	8.36696E-13
345	571310.6	4178319	0.55, 41783	3.67711	2.43151	175.48484	83.52768	43.52526	25.92364	5.28378E-09	2.20E-11	5.31E-09	2.52E-07	7.54E-10	2.53E-07	6.25E-08	3.93E-10	6.29E-08	1.64E-12	4.94E-12	2.86E-12	7.46E-13	1.8E-11	9.93E-13	1.97474E-11	2.653E-07	2.5292E-07	6.29E-08	1.36059E-12	2.624E-12	8.35835E-13	5.37323E-13
346	571350.6	4178319	0.55, 41783	2.57847	1.81872	135.74456	73.58424	31.86463	21.08438	3.7051E-09	1.64E-11	3.72E-09	1.95E-07	6.64E-10	1.96E-07	4.58E-08	2.88E-10	4.61E-08	1.15E-12	3.47E-12	2.01E-12	5.23E-13	1.26E-11	6.97E-13	1.38511E-11	1.861E-07	1.9572E-07	4.61E-08	9.54342E-13	1.84052E-12	5.86268E-13	3.76886E-13
347	571390.6	4178319	0.55, 41783	1.91038	1.41202	114.67965	65.84745	24.95277	17.54375	2.7451E-09	1.28E-11	2.76E-09	1.65E-07	5.95E-10	1.65E-07	3.59E-08	2.25E-10	3.61E-08	8.51E-13	2.57E-12	1.49E-12	3.88E-13	9.36E-12	5.16E-13	1.02644E-11	1.379E-07	1.6538E-07	3.61E-08	7.07218E-13	1.36392E-12	4.34456E-13	2.79293E-13
348	571430.6	4178319	0.55, 41783	1.47151	1.12853	100.57811	59.61061	20.18585	14.84739	2.11447E-09	1.02E-11	2.12E-09	1.45E-07	5.38E-10	1.45E-07	2.9E-08	1.82E-10	2.92E-08	6.56E-13	1.98E-12	1.15E-12	2.99E-13	7.21E-12	3.98E-13	7.90777E-12	1.062E-07	1.4506E-07	2.92E-08	5.44844E-13	1.05077E-12	3.34707E-13	2.15169E-13
349	571470.6	4178319	0.55, 41783	1.16585	0.92218	90.09229	54.43044	16.69193	12.71837	1.67525E-09	8.33E-12	1.68E-09	1.29E-07	4.91E-10	1.3E-07	2.4E-08	1.51E-10	2.41E-08	5.2E-13	1.57E-12	9.08E-13	2.37E-13	5.71E-12	3.15E-13	6.26612E-12	8.418E-08	1.2995E-07	2.41E-08	4.31735E-13	8.32632E-13	2.65222E-13	1.705E-13
350	571510.6	4178319	0.55, 41783	0.94595	0.76805	81.52103	50.05282	14.06823	11.00608	1.35927E-09	6.94E-12	1.37E-09	1.17E-07	4.52E-10	1.18E-07	2.02E-08	1.27E-10	2.03E-08	4.22E-13	1.27E-12	7.37E-13	1.92E-13	4.64E-12	2.56E-13	5.08489E-12	6.831E-08	1.1759E-07	2.03E-08	3.50348E-13	6.75671E-13	2.15224E-13	1.38359E-13
351	571550.6	4178319	0.55, 41783	0.78212	0.64956	74.38547	46.28731	12.02264	9.59923	1.12386E-09	5.87E-12	1.13E-09	1.07E-07	4.18E-10	1.07E-07	1.73E-08	1.09E-10	1.74E-08	3.49E-13	1.05E-12	6.09E-13	1.59E-13	3.83E-12	2.12E-13	4.20472E-12	5.649E-08	1.0731E-07	1.74E-08	2.89704E-13	5.58716E-13	1.7797E-13	1.14409E-13
352	571590.6	4178319	0.55, 41783	0.65442	0.55508	68.29245	42.98116	10.3334	8.40789	9.40361E-10	5.01E-12	9.45E-10	9.81E-08	3.88E-10	9.85E-08	1.48E-08	9.33E-11	1.49E-08	2.92E-13	8.81E-13	5.1E-13	1.33E-13	3.21E-12	1.77E-13	3.51858E-12	4.727E-08	9.852E-08	1.49E-08	2.4243E-13	4.67544E-13	1.48929E-13	9.57399E-14
353	570310.6	4178359	0.55, 41783	0.11229	0.07993	69.29068	26.58817	11.54845	4.0095	1.61354E-10	7.22E-13	1.62E-10	9.96E-08	2.40E-10	9.98E-08	1.66E-08	1.04E-10	1.67E-08	5E-14	1.51E-13	8.74E-14	2.28E-14	5.5E-13	3.03E-14	6.03229E-13	8.104E-09	9.9807E-08	1.67E-08	4.15624E-14	8.0156E-14	2.55324E-14	1.64137E-14
354	570350.6	4178359	0.55, 41783	0.12531	0.09043	75.30937	28.06345	12.55156	4.25756	1.80063E-10	8.17E-13	1.81E-10	1.08E-07	2.53E-10	1.08E-07	1.8E-08	1.13E-10	1.81E-08	5.58E-14	1.69E-13	9.76E-14	2.54E-14	6.14E-13	3.39E-14	6.73215E-13	9.044E-09	1.0847E-07	1.81E-08	4.63844E-14	8.94556E-14	2.84947E-14	1.8318E-14
355	570390.6	4178359	0.55, 41783	0.14084	0.10296	81.29058	29.71471	13.54843	4.53386	2.02378E-10	9.30E-13	2.03E-10	1.17E-07	2.68E-10	1.17E-07	1.95E-08	1.22E-10	1.96E-08	6.27E-14	1.89E-13	1.1E-13	2.86E-14	6.9E-13	3.81E-14	7.56692E-13	1.017E-08	1.1708E-07	1.96E-08	5.2136E-14	1.00548E-13	3.2028E-14	2.05894E-14
356	570430.6	4178359	0.55, 41783	0.15989	0.11858	87.11605	31.54887	14.51934	4.83992	2.29752E-10	1.07E-12	2.31E-10	1.25E-07	2.85E-10	1.25E-07	2.09E-08	1.31E-10	2.1E-08	7.12E-14	2.15E-13	1.25E-13	3.24E-14	7.83E-13	4.32E-14	8.59099E-13	1.154E-08	1.2547E-07	2.1E-08	5.91918E-14	1.14156E-13	3.63625E-14	2.33759E-14
357	570470.6	4178359	0.55, 41783	0.18374	0.13844	97.3598	33.59814	15.36354	5.1813	2.64023E-10	1.25E-12	2.65E-10	1.4E-07	3.03E-10	1.4E-07	2.21E-08	1.39E-10	2.22E-08	8.19E-14	2.47E-13	1.43E-13	3.73E-14	9E-13	4.97E-14	9.8732E-13	1.326E-08	1.402E-07	2.22E-08	6.80262E-14	1.31193E-13	4.17896E-14	2.68647E-14
358	570510.6	4178359	0.55, 41783	0.21432	0.16421	118.04415	35.93263	16.48105	5.5698	3.07965E-10	1.48E-12	3.09E-10	1.7E-07	3.24E-10	1.7E-07	2.37E-08	1.49E-10	2.38E-08	9.55E-14	2.88E-13	1.67E-13	4.35E-14	1.05E-12	5.79E-14	1.15173E-12	1.547E-08	1.6995E-07	2.38E-08	7.93542E-14	1.5304E-13	4.87486E-14	3.13384E-14
359	570550.6	4178359	0.55, 41783	0.25472	0.19842	139.50155	38.63371	19.4148	6.01971	3.66017E-10	1.79E-12	3.68E-10	2E-07	3.49E-10	2.01E-07	2.79E-08	1.75E-10	2.81E-08	1.13E-13	3.43E-13	1.98E-13	5.17E-14	1.25E-12	6.89E-14	1.36895E-12	1.839E-08	2.008E-07	2.81E-08	9.43202E-14	1.81903E-13	5.79424E-14	3.72487E-14
360	570590.6	4178359	0.55, 41783	0.30979	0.24497	159.83108	41.83842	22.23989	6.84975	4.45149E-10	2.21E-12	4.47E-10	2.3E-07	3.78E-10	2.3E-07	3.2E-08	2.01E-10	3.22E-08	1.38E-13	4.17E-13	2.41E-13	6.29E-14	1.52E-12	8.38E-14	1.66503E-12	2.237E-08	2.3005E-07	3.22E-08	1.14721E-13	2.21247E-13	7.04747E-14	4.53052E-14
361	570630.6	4178359	0.55, 41783	0.38734	0.31015	206.43147	51.05257	25.80393	8.50876	5.56584E-10	2.80E-12	5.59E-10	2.97E-07	4.61E-10	2.97E-07	3.71E-08	2.33E-10	3.73E-08	1.73E-13	5.21E-13	3.02E-13	7.86E-14	1.9E-12	1.05E-13	2.08197E-12	2.797E-08	2.9709E-07	3.73E-08	1.43448E-13	2.76649E-13	8.81222E-14	5.665E-14
362	570670.6	4178359	0.55, 41783	0.50063	0.40488	262.98595	60.70684	32.87324	10.74505	7.19374E-10	3.66E-12	7.23E-10	3.78E-07	5.48E-10	3.78E-07	4.72E-08	2.97E-10	4.75E-08	2.23E-13	6.74E-13	3.9E-13	1.02E-13	2.45E-12	1.35E-13	2.69105E-12	3.615E-08	3.7844E-07	4.75E-08	1.85413E-13	3.57582E-13	1.13902E-13	7.32227E-14
363	570710.6	4178359	0.55, 41783	0.66972	0.54814	304.17814	72.14807	38.02227	15.71205	9.62346E-10	4.95E-12	9.67E-10	4.37E-07	6.51E-10	4.38E-07	5.46E-08	3.43E-10	5.5E-08	2.98E-13	9.01E-13	5.22E-13	1.36E-13	3.28E-12	1.81E-13	3.60018E-12	4.836E-08	4.3774E-07	5.5E-08	2.48052E-13	4.78386E-13	1.52382E-13	9.796E-14
364	570750.6	4178359	0.55, 41783	0.90523	0.76876	339.35657	85.82023	44.72327	21.31802	1.30076E-09	6.94E-12	1.31E-09	4.88E-07	7.75E-10	4.88E-07	6.43E-08	4.04E-10	6.47E-08	4.04E-13	1.22E-12	7.05E-13	1.84E-13	4.44E-12	2.45E-13	4.86713E-12	6.539E-08	4.8841E-07	6.47E-08	3.35345E-13	6.46736E-13	2.06008E-13	1.32434E-13
365	570790.6	4178359	0.55, 41783	1.13154	1.06104	377.53193	96.31599	54.94081	27.90141	1.62595E-09	9.58E-12	1.64E-09	5.42E-07	8.70E-10	5.43E-07	7.89E-08	4.96E-10	7.94E-08	5.05E-13	1.52E-12	8.82E-13	2.3E-13	5.55E-12	3.06E-13	6.08729E-12	8.178E-08	5.4336E-07	7.94E-08	4.19414E-13	8.08869E-13	2.57653E-13	1.65634E-13
366	570830.6	4178359	0.55, 41783	1.33226	1.74963	411.58415	139.14147	69.46909	37.35577	1.91438E-09	1.58E-11	1.93E-09	5.91E-07	1.26E-09	5.93E-07	9.98E-08	6.27E-10	1E-07	5.96E-13	1.8E-12	1.04E-12	2.71E-13	6.55E-12	3.61E-13	7.18391E-12	9.651E-08	5.9268E-07	1E-07	4.94971E-13	9.54586E-13	3.04069E-13	1.95473E-13
367	570870.6	4178359	0.55, 41783	1.45984	3.38436	346.78431	184.49712	52.43952	61.49528	2.0977E-09	3.06E-11	2.13E-09	4.98E-07	1.67E-09	5E-07	7.54E-08	4.74E-10	7.58E-08	6.57E-13	1.98E-12	1.15E-12	2.99E-13	7.22E-12	3.98E-13	7.92117E-12	1.064E-07	4.9997E-07	7.58E-08	5.45767E-13	1.05255E-12	3.35274E-13	2.15533E-13
368	571150.6	4178359	0.55, 41783	17.36196	17.82412	1537.79423	258.8776	350.34789	128.93656	2.49481E-08	1.61E-10	2.51E-08	2.21E-06	2.34E-09	2.21E-06	5.03E-07	3.16E-09	5.07E-07	7.75E-12	2.34E-11	1.35E-11	3.53E-12	8.52E-11	4.7E-12	9.34532E-11	1.255E-06	2.2121E-06	5.07E-07	6.43891E-12	1.24179E-11	3.95553E-12	2.54284E-12
369	571190.6	4178359	0.55, 41783	10.35157	8.16971	590.93034	162.31709	161.82999	76.08872	1.48746E-08	7.38E-11	1.49E-08	8.49E-07	1.47E-09	8.51E-07	2.33E-07	1.46E-09	2.34E-07	4.61E-12	1.39E-11	8.06E-12	2.1E-12	5.07E-11	2.8E-12	5.56362E-11	7.474E-07	8.506E-07	2.34E-07	3.83333E-12	7.39284E-12	2.35488E-12	1.51385E-12
370	571230.6	4178359	0.55, 41783	6.41954	4.85697	429.96716	118.18476	103.83364	47.29307	9.22448E-09	4.39E-11	9.27E-09	6.18E-07	1.07E-09	6.19E-07	1.49E-07	9.38E-10	1.5E-07	2.86E-12	8.64E-12	5E-12	1.3E-12	3.15E-11	1.74E-12	3.44958E-11	4.634E-07	6.189E-07	1.5E-07	2.37676E-12	4.58375E-12	1.46008E-12	9.38623E-13
371	571270.6	4178359	0.55, 41783	4.24607	3.28764	330.34534	97.41521	71.25122	30.79427	6.10134E-09	2.97E-11	6.13E-09	4.75E-07	8.80E-10	4.76E-07	1.02E-07	6.43E-10	1.03E-07	1.89E-12	5.71E-12	3.31E-12	8.61E-13	2.08E-11	1.15E-12	2.28191E-11	3.066E-07	4.7557E-07	1.03E-07	1.57223E-12	3.03216E-12	9.65847E-13	6.20901E-13
372	571310.6	4178359	0.55, 41783	3.01802	2.39332	280.32399	84.30249	47.38187	23.6076	4.33671E-09	2.16E-11	4.36E-09	4.03E-07	7.61E-10	4.04E-07	6.81E-08	4.28E-10	6.85E-08	1.34E-12	4.06E-12	2.35E-12	6.12E-13	1.48E-11	8.16E-13	1.62212E-11	2.179E-07	4.0357E-07	6.85E-08	1.11764E-12	2.15545E-12	6.86585E-13	4.41376E-13
373	571350.6	4178359	0.55, 41783	2.25439	1.82521	223.1696	75.03337	32.74083	19.24184	3.23942E-09	1.65E-11	3.26E-09	3.21E-07	6.78E-10	3.21E-07	4.7E-08	2.96E-10	4.73E-08	1E-12	3.03E-12	1.76E-12	4.58E-13	1.11E-11	6.1E-13	1.21181E-11	1.628E-07	3.2136E-07	4.73E-08	8.34938E-13	1.61024E-12	5.12916E-13	3.29732E-13
374	571390.6	4178359	0.55, 41783	1.7395	1.43625	164.0034	68.00709	25.39154	16.17569	2.49955E-09	1.30E-11	2.51E-09	2.36E-07	6.14E-10	2.36E-07	3.65E-08	2.29E-10	3.67E-08	7.75E-13	2.34E-12	1.36E-12	3.53E-13	8.53E-12	4.7E-13	9.35136E-12	1.256E-07	2.3628E-07	3.67E-08	6.44307E-13	1.24259E-12	3.95808E-13	2.54448E-13
375	571430.6	4178359	0.55, 41783	1.37666	1.15767	113.66708	62.41604	21.33563	13.79366	1.97818E-09	1.05E-11	1.99E-09	1.63E-07	5.64E-10	1.64E-07	3.07E-08	1.93E-10	3.09E-08	6.14E-13	1.85E-12	1.07E-12	2.79E-13	6.75E-12	3.72E-13	7.40148E-12	9.943E-08	1.639E-07	3.09E-08	5.09961E-13	9.83496E-13	3.13277E-13	2.01392E-13
376	571470.6	4178359	0.55, 41783	1.11313	0.95193	91.64258	57.80687	17.74486	11.89568	1.5995E-09	8.60E-12	1.61E-09	1.32E-07	5.22E-10	1.32E-07	2.55E-08	1.60E-10	2.57E-08	4.96E-13	1.5E-12	8.67E-13	2.26E-13	5.46E-12	3.01E-13	5.98517E-12	8.04E-08	1.3221E-07	2.57E-08	4.12377E-13	7.95299E-13	2.5333E-13	1.62855E-13
377	571510.6	4178359	0.55, 41783	0.9166	0.79605	82.11168	53.90312	14.64829	10.35284	1.3171E-09	7.19E-12	1.32E-09	1.18E-07	4.87E-10	1.18E-07	2.1E-08	1.32E-10	2.12E-08	4.09E-13	1.23E-12	7.14E-13	1.86E-13	4.49E-12	2.48E-13	4.92886E-12	6.621E-08	1.1848E-07	2.12E-08	3.39598E-13	6.54938E-13	2.0862E-13	1.34113E-13
378	571550.6	4178359	0.55, 41783	0.76622	0.67498	72.9064	50.52239	12.13868	9.07968	1.10101E-09	6.09E-12	1.11E-09	1.05E-07	4.56E-10	1.05E-07	1.74E-08	1.10E-10	1.76E-08	3.42E-13	1.03E-12	5.97E-13	1.56E-13	3.76E-12	2.07E-13	4.12054E-12	5.536E-08	1.0522E-07	1.76E-08	2.83904E-13	5.4753E-13	1.74407E-13	1.12119E-13
379	571590.6	4178359	0.55, 41783	0.64386	0.57575	65.94968	47.48497	10.99161	8.00686	9.25187E-10	5.20E-12	9.3E-10	9.48E-08	4.29E-10	9.52E-08	1.58E-08	9.93E-11	1.59E-08	2.87E-13	8.67E-13	5.02E-13	1.31E-13	3.16E-12	1.74E-13	3.4628E-12	4.652E-08	9.5194E-08	1.59E-08	2.38587E-13	4.60131E-13	1.46568E-13	9.42221E-14
380	570310.6	4178399	0.55, 41783	0.11287	0.08031	71.34246	27.87564	11.89041	3.82503	1.62187E-10	7.25E-13	1.63E-10	1.03E-07	2.52E-10	1.03E-07	1.71E-08	1.07E-10	1.72E-08	5.03E-14	1.52E-13	8.79E-14	2.29E-14	5.53E-13	3.05E-14	6.06344E-13	8.146E-09	1.0277E-07	1.72E-08	4.1777E-14	8.05699E-14	2.56643E-14	1.64985E-14
381	570350.6	4178399	0.55, 41783	0.12665	0.09175	75.96419	29.57043	12.46202	4.12173	1.81988E-10	8.28E-13	1.83E-10	1.09E-07	2.67E-10	1.09E-07	1.79E-08	1.13E-10	1.8E-08	5.64E-14	1.7E-13	9.86E-14	2.57E-14	6.21E-13	3.42E-14	6.80425E-13	9.141E-09	1.0942E-07	1.8E-08	4.68812E-14	9.04138E-14	2.87999E-14	1.85142E-14
382	570390.6	4178399	0.55, 41783	0.1425	0.10434	83.29233	31.439	13.04897	4.44958	2.04764E-10	9.42E-13	2.06E-10	1.2E-07	2.84E-10	1.2E-07	1.88E-08	1.18E-10	1.89E-08	6.35E-14	1.92E-13	1.11E-13	2.89E-14	6.98E-13	3.85E-14	7.65617E-13	1.029E-08	1.1997E-07	1.89E-08	5.27509E-14	1.01734E-13	3.24057E-14	2.08322E-14
383	570430.6	4178399	0.55, 41783	0.16211	0.12032	91.32735	33.521	14.59534	4.81492	2.32942E-10	1.09E-12	2.34E-10	1.31E-07	3.03E-10	1.32E-07	2.1E-08	1.32E-10	2.11E-08	7.22E-14	2.18E-13	1.26E-13	3.29E-14	7.94E-13	4.38E-14	8.71031E-13	1.17E-08	1.3153E-07	2.11E-08	6.00139E-14	1.15741E-13	3.68675E-14	2.37005E-14
384	570470.6	4178399	0.55, 41783	0.18668	0.14051	100.43451	35.89015	16.57018	5.22899	2.68248E-10	1.27E-12	2.7E-10	1.44E-07	3.24E-10	1.45E-07	2.38E-08	1.50E-10	2.4E-08	8.32E-14	2.51E-13	1.45E-13	3.79E-14	9.15E-13	5.05E-14	1.00311E-12	1.348E-08	1.4464E-07	2.4E-08	6.91143E-14	1.33292E-13	4.24581E-14	2.72945E-14
385	570510.6	4178399	0.55, 41783	0.21834	0.16684	112.76596	38.62084	18.79433	5.70408	3.13741E-10	1.51E-12	3.15E-10	1.62E-07	3.49E-10	1.62E-07	2.7E-08	1.70E-10	2.72E-08	9.73E-14	2.94E-13	1.7E-13	4.43E-14	1.07E-12	5.9E-14	1.17332E-12	1.576E-08	1.6239E-07	2.72E-08	8.08416E-14	1.55909E-13	4.96623E-14	3.19258E-14
386	570550.6	4178399	0.55, 41783	0.26039	0.20212	127.75395	41.82578	21.29232	6.25899	3.74164E-10	1.83E-12	3.76E-10	1.84E-07	3.78E-10	1.84E-07	3.06E-08	1.92E-10	3.08E-08	1.16E-13	3.5E-13	2.03E-13	5.28E-14	1.28E-12	7.04E-14	1.39939E-12	1.88E-08	1.8395E-07	3.08E-08	9.64181E-14	1.85949E-13	5.92312E-14	3.80772E-14
387	570590.6	4178399	0.55, 41783	0.3185	0.25095	144.10526	45.67081	24.01754	7.17597	4.57665E-10	2.27E-12	4.6E-10	2.07E-07	4.12E-10	2.07E-07	3.45E-08	2.17E-10	3.47E-08	1.42E-13	4.29E-13	2.48E-13	6.46E-14	1.56E-12	8.61E-14	1.71182E-12	2.3E-08	2.0748E-07	3.47E-08	1.17944E-13	2.27463E-13	7.24549E-14	4.65781E-14
388	570630.6	4178399	0.55, 41783	0.40291	0.32135	177.65061	50.39519	27.05917	8.74903	5.78957E-10	2.90E-12	5.82E-10	2.55E-07	4.55E-10	2.56E-07	3.89E-08	2.44E-10	3.91E-08	1.8E-13	5.42E-13	3.14E-13	8.18E-14	1.97E-12	1.09E-13	2.16562E-12	2.909E-08	2.5573E-07	3.91E-08	1.49211E-13	2.87764E-13	9.16626E-14	5.8926E-14
389	570670.6	4178399	0.55, 41783	0.53348	0.4284	224.79663	56.41372	32.60934	10.76331	7.66578E-10	3.87E-12	7.7E-10	3.23E-07	5.09E-10	3.24E-07	4.69E-08	2.94E-10	4.72E-08	2.38E-13	7.18E-13	4.16E-13	1.08E-13	2.62E-12	1.44E-13	2.86752E-12	3.852E-08	3.2353E-07	4.72E-08	1.97572E-13	3.81032E-13	1.21372E-13	7.80246E-14
390	570710.6	4178399	0.55, 41783	0.75271	0.60288	297.96202	70.92072	41.13122	14.0152	1.0816E-09	5.44E-12	1.09E-09	4.28E-07	6.40E-10	4.29E-07	5.91E-08	3.71E-10	5.95E-08	3.35E-13	1.01E-12	5.86E-13	1.53E-13	3.69E-12	2.04E-13	4.04586E-12	5.435E-08	4.2879E-07	5.95E-08	2.78759E-13	5.37607E-13	1.71246E-13	1.10087E-13
391	570750.6	4178399	0.55, 41783	1.15447	0.90762	416.42427	90.04322	52.05303	22.1169	1.6589E-09	8.20E-12	1.67E-09	5.98E-07	8.13E-10	5.99E-07	7.48E-08	4.70E-10	7.53E-08	5.14E-13	1.55E-12	8.99E-13	2.34E-13	5.66E-12	3.12E-13	6.20477E-12	8.335E-08	5.9919E-07	7.53E-08	4.27508E-13	8.24479E-13	2.62625E-13	1.6883E-13
392	570790.6	4178399	0.55, 41783	1.70092	1.35462	632.44551	121.09647	79.05569	31.00919	2.44412E-09	1.22E-11	2.46E-09	9.09E-07	1.09E-09	9.1E-07	1.14E-07	7.14E-10	1.14E-07	7.58E-13	2.29E-12	1.32E-12	3.45E-13	8.34E-12	4.6E-13	9.14228E-12	1.228E-07	9.0988E-07	1.14E-07	6.29902E-13	1.21481E-12	3.86959E-13	2.48759E-13
393	570830.6	4178399	0.55, 41783	3.46088	2.976	854.46592	185.76652	157.19416	64.23703	4.97307E-09	2.69E-11	5E-09	1.23E-06	1.68E-09	1.23E-06	2.26E-07	1.42E-09	2.27E-07	1.54E-12	4.66E-12	2.7E-12	7.03E-13	1.7E-11	9.36E-13	1.86093E-11	2.5E-07	1.2295E-06	2.27E-07	1.28218E-12	2.47277E-12	7.87662E-13	5.06354E-13
394	571110.6	4178399	0.55, 41783	4.7766	17.70794	386.44752	237.89657	91.74551	117.26543	6.86368E-09	1.60E-10	7.02E-09	5.55E-07	2.15E-09	5.57E-07	1.32E-07	8.28E-10	1.33E-07	2.17E-12	6.54E-12	3.79E-12	9.87E-13	2.38E-11	1.32E-12	2.6141E-11	3.512E-07	5.5745E-07	1.33E-07	1.80111E-12	3.47358E-12	1.10645E-12	7.11292E-13
395	571150.6	4178399	0.55, 41783	4.75682	9.04164	493.27775	194.83019	91.47407	80.27894	6.83526E-09	8.16E-11	6.92E-09	7.09E-07	1.76E-09	7.11E-07	1.31E-07	8.26E-10	1.32E-07	2.13E-12	6.44E-12	3.73E-12	9.72E-13	2.35E-11	1.3E-12	2.5744E-11	3.458E-07	7.1057E-07	1.32E-07	1.77376E-12	3.42082E-12	1.08965E-12	7.00488E-13
396	571190.6	4178399	0.55, 41783	4.13591	5.67532	541.83424	159.29594	82.25115	55.55038	5.94305E-09	5.12E-11	5.99E-09	7.79E-07	1.44E-09	7.8E-07	1.18E-07	7.43E-10	1.19E-07	1.85E-12	5.59E-12	3.23E-12	8.42E-13	2.03E-11	1.12E-12	2.23102E-11	2.997E-07	7.8002E-07	1.19E-07	1.53717E-12	2.96454E-12	9.44307E-13	6.07054E-13
397	571230.6	4178399	0.55, 41783	3.34043	3.91116	419.25179	113.41297	67.92735	42.50701	4.79999E-09	3.53E-11	4.84E-09	6.02E-07	1.02E-09	6.03E-07	9.76E-08	6.13E-10	9.82E-08	1.49E-12	4.51E-12	2.61E-12	6.79E-13	1.64E-11	9.05E-13	1.79965E-11	2.418E-07	6.0346E-07	9.82E-08	1.23996E-12	2.39135E-12	7.61727E-13	4.89681E-13
398	571270.6	4178399	0.55, 41783	2.69096	2.84934	276.99568	96.24025	46.4546	32.10306	3.86674E-09	2.57E-11	3.89E-09	3.98E-07	8.69E-10	3.99E-07	6.68E-08	4.19E-10	6.72E-08	1.2E-12	3.63E-12	2.1E-12	5.47E-13	1.32E-11	7.29E-13	1.44874E-11	1.946E-07	3.9889E-07	6.72E-08	9.98179E-13	1.92506E-12	6.13198E-13	3.94198E-13
399	571310.6	4178399	0.55, 41783	2.15304	2.16763	240.01182	84.08056	39.08125	24.00367	3.09379E-09	1.96E-11	3.11E-09	3.45E-07	7.59E-10	3.46E-07	5.62E-08	3.53E-10	5.65E-08	9.61E-13	2.9E-12	1.68E-12	4.37E-13	1.06E-11	5.83E-13	1.15876E-11	1.557E-07	3.4564E-07	5.65E-08	7.98385E-13	1.53974E-12	4.90461E-13	3.15296E-13
400	571350.6	4178399	0.55, 41783	1.74135	1.70512	224.12525	73.73672	31.06226	18.34101	2.50221E-09	1.54E-11	2.52E-09	3.22E-07	6.66E-10	3.23E-07	4.46E-08	2.80E-10	4.49E-08	7.77E-13	2.35E-12	1.36E-12	3.54E-13	8.55E-12	4.71E-13	9.37029E-12	1.259E-07	3.2272E-07	4.49E-08	6.45612E-13	1.24511E-12	3.9661E-13	2.54963E-13
401	571390.6	4178399	0.55, 41783	1.43215	1.37481	207.21833	64.01827	26.21992	15.02288	2.05791E-09	1.24E-11	2.07E-09	2.98E-07	5.78E-10	2.98E-07	3.77E-08	2.37E-10	3.79E-08	6.39E-13	1.93E-12	1.12E-12	2.91E-13	7.03E-12	3.88E-13	7.70554E-12	1.035E-07	2.9834E-07	3.79E-08	5.30911E-13	1.0239E-12	3.26147E-13	2.09666E-13
402	571430.6	4178399	0.55, 41783	1.19016	1.12906	179.9524	59.14274	22.49405	12.88734	1.71019E-09	1.02E-11	1.72E-09	2.59E-07	5.34E-10	2.59E-07	3.23E-08	2.03E-10	3.25E-08	5.31E-13	1.6E-12	9.28E-13	2.42E-13	5.84E-12	3.22E-13	6.40309E-12	8.602E-08	2.5911E-07	3.25E-08	4.41172E-13	8.50831E-13	2.71019E-13	1.74227E-13
403	571470.6	4178399	0.55, 41783	0.9966	0.93995	146.8642	55.47011	18.35802	11.23121	1.43205E-09	8.49E-12	1.44E-09	2.11E-07	5.01E-10	2.12E-07	2.64E-08	1.66E-10	2.65E-08	4.45E-13	1.34E-12	7.77E-13	2.02E-13	4.89E-12	2.7E-13	5.36155E-12	7.203E-08	2.1154E-07	2.65E-08	3.6941E-13	7.12433E-13	2.26934E-13	1.45886E-13
404	571510.6	4178399	0.55, 41783	0.8441	0.79417	113.63796	52.27286	14.20474	9.85599	1.21292E-09	7.17E-12	1.22E-09	1.63E-07	4.72E-10	1.64E-07	2.04E-08	1.28E-10	2.05E-08	3.76E-13	1.14E-12	6.58E-13	1.71E-13	4.14E-12	2.28E-13	4.54106E-12	6.1E-08	1.6376E-07	2.05E-08	3.12878E-13	6.03408E-13	1.92206E-13	1.23561E-13
405	571550.6	4178399	0.55, 41783	0.71988	0.67749	84.04695	49.45688	12.59546	8.65245	1.03442E-09	6.12E-12	1.04E-09	1.21E-07	4.47E-10	1.21E-07	1.81E-08	1.14E-10	1.82E-08	3.21E-13	9.69E-13	5.61E-13	1.46E-13	3.53E-12	1.95E-13	3.87279E-12	5.203E-08	1.2122E-07	1.82E-08	2.66835E-13	5.14609E-13	1.63921E-13	1.05378E-13
406	571590.6	4178399	0.55, 41783	0.61846	0.58359	61.25343	46.95039	11.31778	7.65227	8.88689E-10	5.27E-12	8.94E-10	8.8E-08	4.24E-10	8.84E-08	1.63E-08	1.02E-10	1.64E-08	2.76E-13	8.33E-13	4.82E-13	1.26E-13	3.03E-12	1.67E-13	3.32722E-12	4.47E-08	8.8441E-08	1.64E-08	2.29245E-13	4.42116E-13	1.40829E-13	9.0533E-14
407	570310.6	4178439	0.55, 41784	0.11265	0.08111	78.47962	27.91467	13.07994	3.48933	1.61871E-10	7.32E-13	1.63E-10	1.13E-07	2.52E-10	1.13E-07	1.88E-08	1.18E-10	1.89E-08	5.02E-14	1.52E-13	8.77E-14	2.28E-14	5.52E-13	3.04E-14	6.05194E-13	8.13E-09	1.1302E-07	1.89E-08	4.16978E-14	8.04171E-14	2.56156E-14	1.64672E-14
408	570350.6	4178439	0.55, 41784	0.12585	0.09139	84.54471	29.62734	14.09078	3.70342	1.80839E-10	8.25E-13	1.82E-10	1.21E-07	2.68E-10	1.22E-07	2.02E-08	1.27E-10	2.04E-08	5.61E-14	1.69E-13	9.8E-14	2.55E-14	6.17E-13	3.4E-14	6.76135E-13	9.083E-09	1.2175E-07	2.04E-08	4.65856E-14	8.98436E-14	2.86183E-14	1.83975E-14
409	570390.6	4178439	0.55, 41784	0.14252	0.10489	91.50908	31.67143	15.25151	4.06451	2.04792E-10	9.47E-13	2.06E-10	1.31E-07	2.86E-10	1.32E-07	2.19E-08	1.38E-10	2.21E-08	6.35E-14	1.92E-13	1.11E-13	2.89E-14	6.98E-13	3.85E-14	7.65742E-13	1.029E-08	1.3178E-07	2.21E-08	5.27595E-14	1.0175E-13	3.2411E-14	2.08357E-14
410	570430.6	4178439	0.55, 41784	0.16313	0.12204	99.54775	33.93845	16.59129	4.47421	2.34408E-10	1.10E-12	2.36E-10	1.43E-07	3.06E-10	1.43E-07	2.38E-08	1.50E-10	2.4E-08	7.27E-14	2.19E-13	1.27E-13	3.31E-14	7.99E-13	4.41E-14	8.76544E-13	1.178E-08	1.4335E-07	2.4E-08	6.03937E-14	1.16474E-13	3.71008E-14	2.38505E-14
411	570470.6	4178439	0.55, 41784	0.18858	0.14267	108.92524	36.54882	18.15421	4.93599	2.70978E-10	1.29E-12	2.72E-10	1.57E-07	3.30E-10	1.57E-07	2.61E-08	1.64E-10	2.63E-08	8.4E-14	2.54E-13	1.47E-13	3.83E-14	9.24E-13	5.1E-14	1.01335E-12	1.361E-08	1.5685E-07	2.63E-08	6.98195E-14	1.34652E-13	4.28912E-14	2.75729E-14
412	570510.6	4178439	0.55, 41784	0.22167	0.16966	120.34611	39.98702	20.05769	5.68986	3.18526E-10	1.53E-12	3.2E-10	1.73E-07	3.61E-10	1.73E-07	2.88E-08	1.81E-10	2.9E-08	9.88E-14	2.98E-13	1.73E-13	4.5E-14	1.09E-12	5.99E-14	1.19122E-12	1.6E-08	1.7329E-07	2.9E-08	8.20752E-14	1.58288E-13	5.04201E-14	3.24129E-14
413	570550.6	4178439	0.55, 41784	0.2658	0.20594	134.27176	44.24032	22.37863	6.83821	3.81938E-10	1.86E-12	3.84E-10	1.93E-07	3.99E-10	1.93E-07	3.22E-08	2.02E-10	3.24E-08	1.18E-13	3.58E-13	2.07E-13	5.39E-14	1.3E-12	7.19E-14	1.42846E-12	1.919E-08	1.9334E-07	3.24E-08	9.84205E-14	1.89811E-13	6.04613E-14	3.8868E-14
414	570590.6	4178439	0.55, 41784	0.3272	0.25654	151.91315	49.32778	25.31886	8.30482	4.70166E-10	2.32E-12	4.72E-10	2.18E-07	4.45E-10	2.19E-07	3.64E-08	2.29E-10	3.66E-08	1.46E-13	4.4E-13	2.55E-13	6.64E-14	1.6E-12	8.85E-14	1.75853E-12	2.362E-08	2.1874E-07	3.66E-08	1.21163E-13	2.33671E-13	7.44322E-14	4.78493E-14
415	570630.6	4178439	0.55, 41784	0.41735	0.33056	175.42083	55.6235	29.2368	10.21264	5.99706E-10	2.98E-12	6.03E-10	2.52E-07	5.02E-10	2.53E-07	4.2E-08	2.64E-10	4.23E-08	1.86E-13	5.62E-13	3.25E-13	8.47E-14	2.05E-12	1.13E-13	2.24316E-12	3.013E-08	2.5257E-07	4.23E-08	1.54553E-13	2.98067E-13	9.49445E-14	6.10357E-14
416	570670.6	4178439	0.55, 41784	0.56024	0.44648	208.37177	63.80907	34.72863	12.75328	8.0503E-10	4.03E-12	8.09E-10	2.99E-07	5.76E-10	3E-07	4.99E-08	3.14E-10	5.02E-08	2.5E-13	7.54E-13	4.36E-13	1.14E-13	2.75E-12	1.51E-13	3.01125E-12	4.045E-08	2.9999E-07	5.02E-08	2.07474E-13	4.00129E-13	1.27455E-13	8.19353E-14
417	570710.6	4178439	0.55, 41784	0.81434	0.64609	258.28683	75.2647	43.04781	16.40047	1.17016E-09	5.83E-12	1.18E-09	3.71E-07	6.80E-10	3.72E-07	6.19E-08	3.89E-10	6.22E-08	3.63E-13	1.1E-12	6.34E-13	1.65E-13	3.99E-12	2.2E-13	4.37692E-12	5.88E-08	3.7182E-07	6.22E-08	3.01569E-13	5.81597E-13	1.85259E-13	1.19095E-13
418	570750.6	4178439	0.55, 41784	1.35572	1.03003	343.9155	93.10334	57.16949	22.25077	1.94809E-09	9.30E-12	1.96E-09	4.94E-07	8.41E-10	4.95E-07	8.21E-08	5.16E-10	8.27E-08	6.04E-13	1.82E-12	1.06E-12	2.75E-13	6.64E-12	3.67E-13	7.2852E-12	9.787E-08	4.9503E-07	8.27E-08	5.01949E-13	9.68045E-13	3.08355E-13	1.98229E-13
419	570790.6	4178439	0.55, 41784	3.18264	2.0617	571.47263	129.70009	95.66015	38.79176	4.57326E-09	1.86E-11	4.59E-09	8.21E-07	1.17E-09	8.22E-07	1.37E-07	8.64E-10	1.38E-07	1.42E-12	4.28E-12	2.48E-12	6.45E-13	1.56E-11	8.6E-13	1.70905E-11	2.296E-07	8.2234E-07	1.38E-07	1.17753E-12	2.27096E-12	7.23377E-13	4.65028E-13
420	571070.6	4178439	0.55, 41784	4.74443	12.25677	251.71558	235.3671	48.15254	87.29167	6.81745E-09	1.11E-10	6.93E-09	3.62E-07	2.13E-09	3.64E-07	6.92E-08	4.35E-10	6.96E-08	2.14E-12	6.46E-12	3.74E-12	9.74E-13	2.35E-11	1.3E-12	2.57858E-11	3.464E-07	3.6383E-07	6.96E-08	1.77664E-12	3.42637E-12	1.09142E-12	7.01625E-13
421	571110.6	4178439	0.55, 41784	3.89854	10.39914	292.37938	213.76959	54.55193	96.69541	5.60196E-09	9.39E-11	5.7E-09	4.2E-07	1.93E-09	4.22E-07	7.84E-08	4.93E-10	7.89E-08	1.76E-12	5.31E-12	3.07E-12	8E-13	1.93E-11	1.07E-12	2.11994E-11	2.848E-07	4.2206E-07	7.89E-08	1.46064E-12	2.81694E-12	8.97293E-13	5.76831E-13
422	571150.6	4178439	0.55, 41784	3.24566	6.14355	299.25996	151.74182	53.26943	58.88405	4.66381E-09	5.55E-11	4.72E-09	4.3E-07	1.37E-09	4.31E-07	7.65E-08	4.81E-10	7.7E-08	1.46E-12	4.4E-12	2.55E-12	6.63E-13	1.6E-11	8.84E-13	1.75647E-11	2.36E-07	4.3139E-07	7.7E-08	1.21021E-12	2.33397E-12	7.43449E-13	4.77932E-13
423	571190.6	4178439	0.55, 41784	2.68652	4.20662	319.22111	114.25705	45.60302	42.68486	3.86036E-09	3.80E-11	3.9E-09	4.59E-07	1.03E-09	4.6E-07	6.55E-08	4.12E-10	6.59E-08	1.2E-12	3.63E-12	2.1E-12	5.48E-13	1.32E-11	7.3E-13	1.45093E-11	1.949E-07	4.5973E-07	6.59E-08	9.99686E-13	1.92797E-12	6.14123E-13	3.94794E-13
424	571230.6	4178439	0.55, 41784	2.2851	3.10379	355.31137	114.374	48.25343	33.87475	3.28355E-09	2.80E-11	3.31E-09	5.11E-07	1.03E-09	5.12E-07	6.93E-08	4.36E-10	6.98E-08	1.02E-12	3.09E-12	1.79E-12	4.65E-13	1.12E-11	6.2E-13	1.23253E-11	1.656E-07	5.1159E-07	6.98E-08	8.49215E-13	1.63777E-12	5.21686E-13	3.3537E-13
425	571270.6	4178439	0.55, 41784	1.91581	2.39067	281.61312	92.35093	43.32371	28.45229	2.7529E-09	2.16E-11	2.77E-09	4.05E-07	8.34E-10	4.05E-07	6.23E-08	3.91E-10	6.26E-08	8.56E-13	2.59E-12	1.5E-12	3.9E-13	9.42E-12	5.19E-13	1.03264E-11	1.387E-07	4.0549E-07	6.26E-08	7.11485E-13	1.37215E-12	4.37077E-13	2.80978E-13
426	571310.6	4178439	0.55, 41784	1.62017	1.88774	249.98498	75.512	38.72011	23.46838	2.32808E-09	1.70E-11	2.35E-09	3.59E-07	6.82E-10	3.6E-07	5.56E-08	3.50E-10	5.6E-08	7.24E-13	2.19E-12	1.26E-12	3.3E-13	7.96E-12	4.39E-13	8.72834E-12	1.173E-07	3.5989E-07	5.6E-08	6.01381E-13	1.15981E-12	3.69438E-13	2.37496E-13
427	571350.6	4178439	0.55, 41784	1.36969	1.52492	207.90528	71.02603	31.99215	18.96422	1.96816E-09	1.38E-11	1.98E-09	2.99E-07	6.41E-10	2.99E-07	4.6E-08	2.89E-10	4.63E-08	6.12E-13	1.85E-12	1.07E-12	2.78E-13	6.73E-12	3.71E-13	7.37654E-12	9.91E-08	2.9939E-07	4.63E-08	5.08243E-13	9.80182E-13	3.12222E-13	2.00714E-13
428	571390.6	4178439	0.55, 41784	1.16602	1.25794	137.82846	66.02867	21.56098	15.29437	1.6755E-09	1.14E-11	1.69E-09	1.98E-07	5.96E-10	1.99E-07	3.1E-08	1.95E-10	3.12E-08	5.21E-13	1.57E-12	9.1E-13	2.37E-13	5.73E-12	3.16E-13	6.27831E-12	8.434E-08	1.9865E-07	3.12E-08	4.32575E-13	8.34252E-13	2.65738E-13	1.70831E-13
429	571430.6	4178439	0.55, 41784	1.00225	1.05165	150.81052	60.59063	19.07395	12.70811	1.44017E-09	9.50E-12	1.45E-09	2.17E-07	5.47E-10	2.17E-07	2.74E-08	1.72E-10	2.76E-08	4.47E-13	1.35E-12	7.82E-13	2.04E-13	4.92E-12	2.71E-13	5.39552E-12	7.248E-08	2.1725E-07	2.76E-08	3.7175E-13	7.16947E-13	2.28372E-13	1.46811E-13
430	571470.6	4178439	0.55, 41784	0.86528	0.88825	153.64691	54.59461	19.20586	10.6849	1.24335E-09	8.02E-12	1.25E-09	2.21E-07	4.93E-10	2.21E-07	2.76E-08	1.73E-10	2.78E-08	3.86E-13	1.17E-12	6.75E-13	1.76E-13	4.25E-12	2.34E-13	4.65749E-12	6.257E-08	2.2127E-07	2.78E-08	3.209E-13	6.18879E-13	1.97134E-13	1.26729E-13
431	571510.6	4178439	0.55, 41784	0.75493	0.76151	144.52703	49.13224	18.06588	9.74189	1.08479E-09	6.88E-12	1.09E-09	2.08E-07	4.44E-10	2.08E-07	2.6E-08	1.63E-10	2.61E-08	3.37E-13	1.02E-12	5.89E-13	1.53E-13	3.71E-12	2.04E-13	4.06306E-12	5.458E-08	2.0812E-07	2.61E-08	2.79945E-13	5.39893E-13	1.71974E-13	1.10555E-13
432	571550.6	4178439	0.55, 41784	0.65913	0.65716	127.58758	46.59598	15.94845	8.8858	9.47129E-10	5.93E-12	9.53E-10	1.83E-07	4.21E-10	1.84E-07	2.29E-08	1.44E-10	2.31E-08	2.94E-13	8.88E-13	5.14E-13	1.34E-13	3.23E-12	1.78E-13	3.54721E-12	4.765E-08	1.8376E-07	2.31E-08	2.44402E-13	4.71347E-13	1.5014E-13	9.65186E-14
433	571590.6	4178439	0.55, 41784	0.57626	0.57045	106.82976	44.35137	13.35372	8.08009	8.2805E-10	5.15E-12	8.33E-10	1.54E-07	4.00E-10	1.54E-07	1.92E-08	1.21E-10	1.93E-08	2.57E-13	7.76E-13	4.49E-13	1.17E-13	2.83E-12	1.56E-13	3.10109E-12	4.166E-08	1.5391E-07	1.93E-08	2.13665E-13	4.12068E-13	1.31258E-13	8.43799E-14
434	570310.6	4178479	0.55, 41784	0.1113	0.08183	74.58423	29.47815	11.80727	4.00274	1.59931E-10	7.39E-13	1.61E-10	1.07E-07	2.66E-10	1.07E-07	1.7E-08	1.07E-10	1.71E-08	4.96E-14	1.5E-13	8.67E-14	2.26E-14	5.45E-13	3.01E-14	5.97998E-13	8.034E-09	1.0744E-07	1.71E-08	4.1202E-14	7.9461E-14	2.5311E-14	1.62714E-14
435	570350.6	4178479	0.55, 41784	0.12561	0.09388	80.0812	31.76761	12.83362	4.33491	1.80494E-10	8.48E-13	1.81E-10	1.15E-07	2.87E-10	1.15E-07	1.84E-08	1.16E-10	1.86E-08	5.6E-14	1.69E-13	9.78E-14	2.55E-14	6.15E-13	3.4E-14	6.74935E-13	9.067E-09	1.1536E-07	1.86E-08	4.65029E-14	8.96842E-14	2.85675E-14	1.83648E-14
436	570390.6	4178479	0.55, 41784	0.14146	0.10678	86.10528	34.01158	14.01299	4.67053	2.03269E-10	9.64E-13	2.04E-10	1.24E-07	3.07E-10	1.24E-07	2.01E-08	1.27E-10	2.03E-08	6.3E-14	1.9E-13	1.1E-13	2.87E-14	6.93E-13	3.82E-14	7.60136E-13	1.021E-08	1.2404E-07	2.03E-08	5.23733E-14	1.01006E-13	3.21738E-14	2.06831E-14
437	570430.6	4178479	0.55, 41784	0.16075	0.12266	93.00088	36.36689	15.32204	5.02469	2.30988E-10	1.11E-12	2.32E-10	1.34E-07	3.28E-10	1.34E-07	2.2E-08	1.38E-10	2.22E-08	7.16E-14	2.16E-13	1.25E-13	3.26E-14	7.88E-13	4.35E-14	8.63836E-13	1.16E-08	1.3396E-07	2.22E-08	5.95182E-14	1.14785E-13	3.6563E-14	2.35048E-14
438	570470.6	4178479	0.55, 41784	0.18644	0.14379	101.96042	39.51551	16.93263	5.48718	2.67903E-10	1.30E-12	2.69E-10	1.47E-07	3.57E-10	1.47E-07	2.43E-08	1.53E-10	2.45E-08	8.31E-14	2.51E-13	1.45E-13	3.78E-14	9.14E-13	5.04E-14	1.00194E-12	1.346E-08	1.4687E-07	2.45E-08	6.90335E-14	1.33136E-13	4.24084E-14	2.72625E-14
439	570510.6	4178479	0.55, 41784	0.22079	0.17209	113.44919	43.50567	18.9082	6.17272	3.17262E-10	1.55E-12	3.19E-10	1.63E-07	3.93E-10	1.63E-07	2.72E-08	1.71E-10	2.73E-08	9.84E-14	2.97E-13	1.72E-13	4.48E-14	1.08E-12	5.97E-14	1.1866E-12	1.594E-08	1.6341E-07	2.73E-08	8.17565E-14	1.57673E-13	5.02244E-14	3.22871E-14
440	570550.6	4178479	0.55, 41784	0.2667	0.21004	127.7059	48.20733	21.28432	7.34053	3.83231E-10	1.90E-12	3.85E-10	1.84E-07	4.35E-10	1.84E-07	3.06E-08	1.92E-10	3.08E-08	1.19E-13	3.59E-13	2.08E-13	5.41E-14	1.31E-12	7.21E-14	1.43341E-12	1.926E-08	1.8394E-07	3.08E-08	9.87616E-14	1.90469E-13	6.06709E-14	3.90027E-14
441	570590.6	4178479	0.55, 41784	0.32931	0.26248	144.67878	53.44745	24.11313	8.81975	4.73198E-10	2.37E-12	4.76E-10	2.08E-07	4.83E-10	2.08E-07	3.46E-08	2.18E-10	3.49E-08	1.47E-13	4.43E-13	2.57E-13	6.68E-14	1.61E-12	8.9E-14	1.77002E-12	2.378E-08	2.0838E-07	3.49E-08	1.21954E-13	2.35197E-13	7.49183E-14	4.81618E-14
442	570630.6	4178479	0.55, 41784	0.42133	0.33962	165.95931	60.05375	27.65989	10.77683	6.05425E-10	3.07E-12	6.08E-10	2.38E-07	5.42E-10	2.39E-07	3.97E-08	2.50E-10	4E-08	1.88E-13	5.67E-13	3.28E-13	8.55E-14	2.07E-12	1.14E-13	2.26475E-12	3.042E-08	2.3902E-07	4E-08	1.56041E-13	3.00936E-13	9.58583E-14	6.16232E-14
443	570670.6	4178479	0.55, 41784	0.56746	0.46145	193.36004	69.0612	32.22667	13.5092	8.15405E-10	4.17E-12	8.2E-10	2.78E-07	6.24E-10	2.78E-07	4.63E-08	2.91E-10	4.66E-08	2.53E-13	7.64E-13	4.42E-13	1.15E-13	2.78E-12	1.53E-13	3.05036E-12	4.098E-08	2.7847E-07	4.66E-08	2.1017E-13	4.05327E-13	1.29111E-13	8.29997E-14
444	570710.6	4178479	0.55, 41784	0.83023	0.67528	236.53606	81.84268	39.07222	17.68943	1.19299E-09	6.10E-12	1.2E-09	3.4E-07	7.39E-10	3.41E-07	5.61E-08	3.53E-10	5.65E-08	3.7E-13	1.12E-12	6.47E-13	1.68E-13	4.07E-12	2.25E-13	4.46288E-12	5.995E-08	3.4063E-07	5.65E-08	3.07492E-13	5.9302E-13	1.88897E-13	1.21434E-13
445	570750.6	4178479	0.55, 41784	1.42426	1.12918	342.03514	102.90165	49.67165	25.1054	2.04657E-09	1.02E-11	2.06E-09	4.91E-07	9.29E-10	4.92E-07	7.14E-08	4.49E-10	7.18E-08	6.35E-13	1.92E-12	1.11E-12	2.89E-13	6.98E-12	3.85E-13	7.65509E-12	1.028E-07	4.9241E-07	7.18E-08	5.27435E-13	1.0172E-12	3.24012E-13	2.08293E-13
446	570790.6	4178479	0.55, 41784	3.63047	2.75084	596.75244	187.47347	107.7468	51.23422	5.21676E-09	2.48E-11	5.24E-09	8.57E-07	1.69E-09	8.59E-07	1.55E-07	9.73E-10	1.56E-07	1.62E-12	4.88E-12	2.83E-12	7.37E-13	1.78E-11	9.81E-13	1.95087E-11	2.621E-07	8.5919E-07	1.56E-07	1.34415E-12	2.59228E-12	8.25732E-13	5.30827E-13
447	571030.6	4178479	0.55, 41784	9.40071	15.68167	333.68631	267.08575	81.11776	110.69164	1.35082E-08	1.42E-10	1.36E-08	4.79E-07	2.41E-09	4.82E-07	1.17E-07	7.32E-10	1.17E-07	4.21E-12	1.27E-11	7.36E-12	1.92E-12	4.63E-11	2.56E-12	5.08033E-11	6.825E-07	4.819E-07	1.17E-07	3.50034E-12	6.75066E-12	2.15032E-12	1.38235E-12
448	571070.6	4178479	0.55, 41784	5.59712	9.0131	216.22006	204.77885	54.58514	76.29745	8.04272E-09	8.14E-11	8.12E-09	3.11E-07	1.85E-09	3.13E-07	7.84E-08	4.93E-10	7.89E-08	2.51E-12	7.57E-12	4.38E-12	1.14E-12	2.76E-11	1.52E-12	3.02371E-11	4.062E-07	3.1254E-07	7.89E-08	2.08333E-12	4.01785E-12	1.27982E-12	8.22744E-13
449	571110.6	4178479	0.55, 41784	3.86033	5.8724	232.77263	158.88759	40.87392	60.11848	5.54706E-09	5.30E-11	5.6E-09	3.34E-07	1.43E-09	3.36E-07	5.87E-08	3.69E-10	5.91E-08	1.73E-12	5.22E-12	3.02E-12	7.87E-13	1.9E-11	1.05E-12	2.08429E-11	2.8E-07	3.3591E-07	5.91E-08	1.43608E-12	2.76957E-12	8.82205E-13	5.67132E-13
450	571150.6	4178479	0.55, 41784	2.87873	4.17215	243.47288	131.88403	36.94401	47.80365	4.13656E-09	3.77E-11	4.17E-09	3.5E-07	1.19E-09	3.51E-07	5.31E-08	3.34E-10	5.34E-08	1.29E-12	3.89E-12	2.25E-12	5.87E-13	1.42E-11	7.82E-13	1.55361E-11	2.087E-07	3.5105E-07	5.34E-08	1.07043E-12	2.06441E-12	6.57584E-13	4.22733E-13
451	571190.6	4178479	0.55, 41784	2.25924	3.11768	272.99859	103.34976	40.61499	35.56429	3.24639E-09	2.82E-11	3.27E-09	3.92E-07	9.33E-10	3.93E-07	5.84E-08	3.67E-10	5.87E-08	1.01E-12	3.05E-12	1.77E-12	4.6E-13	1.11E-11	6.13E-13	1.21875E-11	1.637E-07	3.9322E-07	5.87E-08	8.39718E-13	1.61946E-12	5.15852E-13	3.31619E-13
452	571230.6	4178479	0.55, 41784	1.86428	2.43731	228.60917	88.43023	34.9281	28.65964	2.67886E-09	2.20E-11	2.7E-09	3.28E-07	7.98E-10	3.29E-07	5.02E-08	3.15E-10	5.05E-08	8.33E-13	2.52E-12	1.46E-12	3.8E-13	9.17E-12	5.06E-13	1.00523E-11	1.35E-07	3.293E-07	5.05E-08	6.92605E-13	1.33574E-12	4.25478E-13	2.73522E-13
453	571270.6	4178479	0.55, 41784	1.58233	1.95726	275.18297	89.4878	39.56066	24.38596	2.27371E-09	1.77E-11	2.29E-09	3.95E-07	8.08E-10	3.96E-07	5.68E-08	3.57E-10	5.72E-08	7.07E-13	2.13E-12	1.24E-12	3.22E-13	7.78E-12	4.29E-13	8.5283E-12	1.146E-07	3.9623E-07	5.72E-08	5.87599E-13	1.13323E-12	3.60971E-13	2.32053E-13
454	571310.6	4178479	0.55, 41784	1.35793	1.6065	222.77943	77.47813	32.82803	21.05024	1.95126E-09	1.45E-11	1.97E-09	3.2E-07	7.00E-10	3.21E-07	4.72E-08	2.96E-10	4.75E-08	6.07E-13	1.83E-12	1.06E-12	2.76E-13	6.67E-12	3.68E-13	7.31639E-12	9.829E-08	3.2082E-07	4.75E-08	5.04098E-13	9.72189E-13	3.09676E-13	1.99077E-13
455	571350.6	4178479	0.55, 41784	1.1642	1.33076	210.30644	64.61424	30.9494	18.13628	1.67288E-09	1.20E-11	1.68E-09	3.02E-07	5.83E-10	3.03E-07	4.45E-08	2.79E-10	4.48E-08	5.2E-13	1.57E-12	9.09E-13	2.37E-13	5.72E-12	3.15E-13	6.27103E-12	8.424E-08	3.0278E-07	4.48E-08	4.32073E-13	8.33284E-13	2.65429E-13	1.70633E-13
456	571390.6	4178479	0.55, 41784	1.001	1.11694	187.8278	60.73144	27.7002	15.35336	1.43838E-09	1.01E-11	1.45E-09	2.7E-07	5.48E-10	2.7E-07	3.98E-08	2.50E-10	4.01E-08	4.47E-13	1.35E-12	7.81E-13	2.04E-13	4.92E-12	2.71E-13	5.39103E-12	7.242E-08	2.7045E-07	4.01E-08	3.71441E-13	7.1635E-13	2.28182E-13	1.46689E-13
457	571430.6	4178479	0.55, 41784	0.8626	0.94616	141.00765	57.76687	20.99683	12.7525	1.2395E-09	8.54E-12	1.25E-09	2.03E-07	5.22E-10	2.03E-07	3.02E-08	1.90E-10	3.04E-08	3.85E-13	1.16E-12	6.73E-13	1.75E-13	4.24E-12	2.34E-13	4.6451E-12	6.24E-08	2.0314E-07	3.04E-08	3.20047E-13	6.17233E-13	1.9661E-13	1.26392E-13
458	571470.6	4178479	0.55, 41784	0.75511	0.81334	85.41876	54.87579	13.60469	11.10539	1.08505E-09	7.34E-12	1.09E-09	1.23E-07	4.96E-10	1.23E-07	1.95E-08	1.23E-10	1.97E-08	3.37E-13	1.02E-12	5.89E-13	1.53E-13	3.71E-12	2.05E-13	4.06577E-12	5.462E-08	1.2324E-07	1.97E-08	2.80131E-13	5.40252E-13	1.72089E-13	1.10629E-13
459	571510.6	4178479	0.55, 41784	0.666	0.70453	104.54177	51.61661	13.06772	9.4895	9.57001E-10	6.36E-12	9.63E-10	1.5E-07	4.66E-10	1.51E-07	1.88E-08	1.18E-10	1.89E-08	2.97E-13	8.98E-13	5.2E-13	1.35E-13	3.27E-12	1.8E-13	3.58554E-12	4.817E-08	1.5069E-07	1.89E-08	2.47043E-13	4.7644E-13	1.51763E-13	9.75617E-14
460	571550.6	4178479	0.55, 41784	0.58993	0.61436	114.23468	47.78612	14.27934	8.47335	8.47693E-10	5.55E-12	8.53E-10	1.64E-07	4.31E-10	1.65E-07	2.05E-08	1.29E-10	2.06E-08	2.63E-13	7.95E-13	4.6E-13	1.2E-13	2.9E-12	1.6E-13	3.17568E-12	4.266E-08	1.6458E-07	2.06E-08	2.18804E-13	4.21978E-13	1.34415E-13	8.64094E-14
461	571590.6	4178479	0.55, 41784	0.5248	0.5396	114.71837	43.31659	14.3398	7.89274	7.54105E-10	4.87E-12	7.59E-10	1.65E-07	3.91E-10	1.65E-07	2.06E-08	1.29E-10	2.07E-08	2.34E-13	7.07E-13	4.09E-13	1.07E-13	2.58E-12	1.42E-13	2.82484E-12	3.795E-08	1.6523E-07	2.07E-08	1.94631E-13	3.7536E-13	1.19565E-13	7.68632E-14
462	570310.6	4178519	0.55, 41785	0.10968	0.08323	75.92481	30.95134	12.65413	4.31611	1.57603E-10	7.52E-13	1.58E-10	1.09E-07	2.79E-10	1.09E-07	1.82E-08	1.14E-10	1.83E-08	4.89E-14	1.48E-13	8.54E-14	2.23E-14	5.37E-13	2.97E-14	5.89381E-13	7.918E-09	1.0938E-07	1.83E-08	4.06083E-14	7.8316E-14	2.49463E-14	1.60369E-14
463	570350.6	4178519	0.55, 41785	0.12253	0.09413	80.98331	32.52203	13.49722	4.56123	1.76068E-10	8.50E-13	1.77E-10	1.16E-07	2.94E-10	1.17E-07	1.94E-08	1.22E-10	1.95E-08	5.46E-14	1.65E-13	9.54E-14	2.49E-14	6E-13	3.31E-14	6.58471E-13	8.846E-09	1.1666E-07	1.95E-08	4.53686E-14	8.74965E-14	2.78706E-14	1.79168E-14
464	570390.6	4178519	0.55, 41785	0.13706	0.10653	86.4192	34.09518	14.4032	4.78567	1.96947E-10	9.62E-13	1.98E-10	1.24E-07	3.08E-10	1.24E-07	2.07E-08	1.30E-10	2.08E-08	6.11E-14	1.84E-13	1.07E-13	2.78E-14	6.72E-13	3.71E-14	7.36596E-13	9.895E-09	1.2449E-07	2.08E-08	5.07514E-14	9.78777E-14	3.11774E-14	2.00426E-14
465	570430.6	4178519	0.55, 41785	0.15657	0.12308	93.48729	36.56809	15.58121	5.11226	2.24981E-10	1.11E-12	2.26E-10	1.34E-07	3.30E-10	1.35E-07	2.24E-08	1.41E-10	2.25E-08	6.98E-14	2.11E-13	1.22E-13	3.18E-14	7.67E-13	4.23E-14	8.41495E-13	1.13E-08	1.3467E-07	2.25E-08	5.79789E-14	1.11816E-13	3.56174E-14	2.28969E-14
466	570470.6	4178519	0.55, 41785	0.18113	0.14422	101.65142	39.2669	16.9419	5.47129	2.60273E-10	1.30E-12	2.62E-10	1.46E-07	3.55E-10	1.46E-07	2.43E-08	1.53E-10	2.45E-08	8.07E-14	2.44E-13	1.41E-13	3.68E-14	8.88E-13	4.9E-14	9.73555E-13	1.308E-08	1.4642E-07	2.45E-08	6.70778E-14	1.29364E-13	4.1207E-14	2.64902E-14
467	570510.6	4178519	0.55, 41785	0.21556	0.17373	112.42418	43.21366	18.73736	6.23491	3.09746E-10	1.57E-12	3.11E-10	1.62E-07	3.90E-10	1.62E-07	2.69E-08	1.69E-10	2.71E-08	9.61E-14	2.9E-13	1.68E-13	4.37E-14	1.06E-12	5.83E-14	1.15868E-12	1.557E-08	1.6194E-07	2.71E-08	7.98331E-14	1.53964E-13	4.90428E-14	3.15275E-14
468	570550.6	4178519	0.55, 41785	0.26244	0.21401	127.39838	48.06291	20.89373	7.26318	3.7711E-10	1.93E-12	3.79E-10	1.83E-07	4.34E-10	1.83E-07	3E-08	1.89E-10	3.02E-08	1.17E-13	3.53E-13	2.04E-13	5.33E-14	1.29E-12	7.1E-14	1.41076E-12	1.895E-08	1.835E-07	3.02E-08	9.7201E-14	1.87459E-13	5.97122E-14	3.83864E-14
469	570590.6	4178519	0.55, 41785	0.32438	0.26815	146.74921	52.55391	23.05175	8.49659	4.66114E-10	2.42E-12	4.69E-10	2.11E-07	4.75E-10	2.11E-07	3.31E-08	2.08E-10	3.33E-08	1.45E-13	4.37E-13	2.53E-13	6.58E-14	1.59E-12	8.77E-14	1.74384E-12	2.343E-08	2.1134E-07	3.33E-08	1.2015E-13	2.31719E-13	7.38104E-14	4.74495E-14
470	570630.6	4178519	0.55, 41785	0.41604	0.34788	170.82398	60.03664	25.41079	10.076	5.97824E-10	3.14E-12	6.01E-10	2.45E-07	5.42E-10	2.46E-07	3.65E-08	2.29E-10	3.67E-08	1.85E-13	5.6E-13	3.24E-13	8.44E-14	2.04E-12	1.13E-13	2.23673E-12	3.005E-08	2.4601E-07	3.67E-08	1.5411E-13	2.97213E-13	9.46726E-14	6.08609E-14
471	570670.6	4178519	0.55, 41785	0.56352	0.47347	210.6175	71.54419	27.95974	12.2085	8.09743E-10	4.28E-12	8.14E-10	3.03E-07	6.46E-10	3.03E-07	4.02E-08	2.52E-10	4.04E-08	2.51E-13	7.58E-13	4.39E-13	1.14E-13	2.76E-12	1.52E-13	3.0297E-12	4.07E-08	3.0329E-07	4.04E-08	2.08746E-13	4.02581E-13	1.28236E-13	8.24373E-14
472	570710.6	4178519	0.55, 41785	0.82936	0.69158	257.30872	94.91316	32.16359	16.3308	1.19174E-09	6.24E-12	1.2E-09	3.7E-07	8.57E-10	3.71E-07	4.62E-08	2.90E-10	4.65E-08	3.7E-13	1.12E-12	6.46E-13	1.68E-13	4.07E-12	2.24E-13	4.45878E-12	5.99E-08	3.7059E-07	4.65E-08	3.07209E-13	5.92475E-13	1.88723E-13	1.21322E-13
473	570750.6	4178519	0.55, 41785	1.36529	1.13262	327.60111	130.96882	45.80096	29.91109	1.96184E-09	1.02E-11	1.97E-09	4.71E-07	1.18E-09	4.72E-07	6.58E-08	4.14E-10	6.62E-08	6.09E-13	1.84E-12	1.06E-12	2.77E-13	6.69E-12	3.69E-13	7.33983E-12	9.86E-08	4.7193E-07	6.62E-08	5.05713E-13	9.75304E-13	3.10668E-13	1.99715E-13
474	570790.6	4178519	0.55, 41785	2.09469	1.90095	339.24086	174.34023	59.4987	49.70987	3.00994E-09	1.72E-11	3.03E-09	4.87E-07	1.57E-09	4.89E-07	8.55E-08	5.37E-10	8.6E-08	9.34E-13	2.82E-12	1.63E-12	4.25E-13	1.03E-11	5.67E-13	1.12666E-11	1.514E-07	4.8904E-07	8.6E-08	7.76266E-13	1.49708E-12	4.76873E-13	3.06561E-13
475	570990.6	4178519	0.55, 41785	30.9381	16.28557	1645.60932	278.46944	444.29015	131.46412	4.44561E-08	1.47E-10	4.46E-08	2.36E-06	2.51E-09	2.37E-06	6.38E-07	4.01E-09	6.42E-07	1.38E-11	4.16E-11	2.41E-11	6.27E-12	1.51E-10	8.35E-12	1.66009E-10	2.23E-06	2.3672E-06	6.42E-07	1.1438E-11	2.20589E-11	7.02653E-12	4.51706E-12
476	571030.6	4178519	0.55, 41785	10.39533	8.05295	575.07494	188.36146	130.51861	75.45666	1.49374E-08	7.27E-11	1.5E-08	8.26E-07	1.70E-09	8.28E-07	1.88E-07	1.18E-09	1.89E-07	4.63E-12	1.4E-11	8.1E-12	2.11E-12	5.09E-11	2.81E-12	5.58663E-11	7.505E-07	8.2805E-07	1.89E-07	3.84918E-12	7.42342E-12	2.36461E-12	1.52011E-12
477	571070.6	4178519	0.55, 41785	5.62777	5.38206	327.13066	151.27996	61.45445	56.79768	8.08676E-09	4.86E-11	8.14E-09	4.7E-07	1.37E-09	4.71E-07	8.83E-08	5.55E-10	8.89E-08	2.51E-12	7.58E-12	4.39E-12	1.14E-12	2.76E-11	1.52E-12	3.0279E-11	4.068E-07	4.7143E-07	8.89E-08	2.08622E-12	4.02342E-12	1.2816E-12	8.23884E-13
478	571110.6	4178519	0.55, 41785	3.70135	3.92679	194.51307	130.68512	41.68788	44.49195	5.31861E-09	3.55E-11	5.35E-09	2.8E-07	1.18E-09	2.81E-07	5.99E-08	3.76E-10	6.03E-08	1.65E-12	4.99E-12	2.89E-12	7.52E-13	1.82E-11	1E-12	1.99273E-11	2.677E-07	2.8068E-07	6.03E-08	1.37299E-12	2.64791E-12	8.43449E-13	5.42217E-13
479	571150.6	4178519	0.55, 41785	2.69329	3.00723	208.02281	103.35418	30.40761	37.50867	3.87009E-09	2.72E-11	3.9E-09	2.99E-07	9.33E-10	3E-07	4.37E-08	2.75E-10	4.4E-08	1.2E-12	3.63E-12	2.1E-12	5.48E-13	1.32E-11	7.3E-13	1.45052E-11	1.949E-07	2.9985E-07	4.4E-08	9.99403E-13	1.92742E-12	6.1395E-13	3.94682E-13
480	571190.6	4178519	0.55, 41785	2.08526	2.38411	205.94825	100.14217	32.90062	31.32752	2.99639E-09	2.15E-11	3.02E-09	2.96E-07	9.04E-10	2.97E-07	4.73E-08	2.97E-10	4.76E-08	9.31E-13	2.81E-12	1.63E-12	4.24E-13	1.02E-11	5.65E-13	1.12324E-11	1.509E-07	2.9684E-07	4.76E-08	7.7391E-13	1.49254E-12	4.75425E-13	3.05631E-13
481	571230.6	4178519	0.55, 41785	1.66362	1.91731	215.41751	83.66277	30.77393	25.17962	2.39052E-09	1.73E-11	2.41E-09	3.1E-07	7.55E-10	3.1E-07	4.42E-08	2.78E-10	4.45E-08	7.43E-13	2.24E-12	1.3E-12	3.38E-13	8.17E-12	4.51E-13	8.96171E-12	1.204E-07	3.103E-07	4.45E-08	6.1746E-13	1.19082E-12	3.79316E-13	2.43846E-13
482	571270.6	4178519	0.55, 41785	1.38104	1.58176	194.90891	74.63088	31.16799	21.56574	1.98447E-09	1.43E-11	2E-09	2.8E-07	6.74E-10	2.81E-07	4.48E-08	2.81E-10	4.51E-08	6.17E-13	1.86E-12	1.08E-12	2.81E-13	6.78E-12	3.74E-13	7.43915E-12	9.994E-08	2.8075E-07	4.51E-08	5.12557E-13	9.88502E-13	3.14872E-13	2.02418E-13
483	571310.6	4178519	0.55, 41785	1.18628	1.33473	227.7435	74.01926	34.0231	18.88588	1.70461E-09	1.21E-11	1.72E-09	3.27E-07	6.68E-10	3.28E-07	4.89E-08	3.07E-10	4.92E-08	5.3E-13	1.6E-12	9.26E-13	2.41E-13	5.83E-12	3.21E-13	6.38925E-12	8.583E-08	3.2792E-07	4.92E-08	4.40218E-13	8.48992E-13	2.70433E-13	1.7385E-13
484	571350.6	4178519	0.55, 41785	1.02794	1.1349	186.21806	66.32591	28.09378	16.3212	1.47709E-09	1.02E-11	1.49E-09	2.68E-07	5.99E-10	2.68E-07	4.04E-08	2.54E-10	4.06E-08	4.59E-13	1.39E-12	8.02E-13	2.09E-13	5.05E-12	2.78E-13	5.53571E-12	7.437E-08	2.6818E-07	4.06E-08	3.8141E-13	7.35575E-13	2.34306E-13	1.50625E-13
485	571390.6	4178519	0.55, 41785	0.88898	0.96986	165.64096	58.31983	23.55305	14.40747	1.27741E-09	8.76E-12	1.29E-09	2.38E-07	5.27E-10	2.39E-07	3.38E-08	2.13E-10	3.41E-08	3.97E-13	1.2E-12	6.94E-13	1.81E-13	4.37E-12	2.41E-13	4.78698E-12	6.431E-08	2.3854E-07	3.41E-08	3.29823E-13	6.36086E-13	2.02615E-13	1.30253E-13
486	571430.6	4178519	0.55, 41785	0.7696	0.83467	166.81635	54.79876	23.72844	12.50769	1.10587E-09	7.54E-12	1.11E-09	2.4E-07	4.95E-10	2.4E-07	3.41E-08	2.14E-10	3.43E-08	3.44E-13	1.04E-12	6.01E-13	1.56E-13	3.78E-12	2.08E-13	4.14398E-12	5.567E-08	2.402E-07	3.43E-08	2.8552E-13	5.50645E-13	1.75399E-13	1.12757E-13
487	571470.6	4178519	0.55, 41785	0.67066	0.72494	138.40145	51.97552	19.82816	10.73341	9.63697E-10	6.55E-12	9.7E-10	1.99E-07	4.69E-10	1.99E-07	2.85E-08	1.79E-10	2.87E-08	2.99E-13	9.04E-13	5.23E-13	1.36E-13	3.29E-12	1.82E-13	3.61115E-12	4.851E-08	1.9934E-07	2.87E-08	2.48808E-13	4.79843E-13	1.52846E-13	9.82585E-14
488	571510.6	4178519	0.55, 41785	0.58987	0.63439	93.94363	49.66848	13.736	9.50533	8.47607E-10	5.73E-12	8.53E-10	1.35E-07	4.48E-10	1.35E-07	1.97E-08	1.24E-10	1.99E-08	2.63E-13	7.95E-13	4.6E-13	1.2E-13	2.9E-12	1.6E-13	3.17603E-12	4.267E-08	1.3544E-07	1.99E-08	2.18828E-13	4.22025E-13	1.3443E-13	8.6419E-14
489	571550.6	4178519	0.55, 41785	0.52422	0.55926	64.7066	47.53612	9.81761	8.44297	7.53272E-10	5.05E-12	7.58E-10	9.3E-08	4.29E-10	9.34E-08	1.41E-08	8.86E-11	1.42E-08	2.34E-13	7.07E-13	4.09E-13	1.07E-13	2.57E-12	1.42E-13	2.8224E-12	3.792E-08	9.3409E-08	1.42E-08	1.94463E-13	3.75035E-13	1.19462E-13	7.67968E-14
490	571590.6	4178519	0.55, 41785	0.47148	0.49721	75.39988	45.27823	9.54319	7.49343	6.77488E-10	4.49E-12	6.82E-10	1.08E-07	4.09E-10	1.09E-07	1.37E-08	8.62E-11	1.38E-08	2.1E-13	6.35E-13	3.68E-13	9.58E-14	2.31E-12	1.28E-13	2.53825E-12	3.41E-08	1.0875E-07	1.38E-08	1.74885E-13	3.37278E-13	1.07435E-13	6.90652E-14
491	570310.6	4178559	0.55, 41785	0.10731	0.08405	76.80272	30.54078	12.80045	4.19275	1.54198E-10	7.59E-13	1.55E-10	1.1E-07	2.76E-10	1.11E-07	1.84E-08	1.16E-10	1.85E-08	4.78E-14	1.44E-13	8.36E-14	2.18E-14	5.26E-13	2.9E-14	5.76734E-13	7.748E-09	1.1064E-07	1.85E-08	3.97369E-14	7.66354E-14	2.4411E-14	1.56928E-14
492	570350.6	4178559	0.55, 41785	0.11907	0.09438	82.9813	31.5625	13.39224	4.31782	1.71096E-10	8.52E-13	1.72E-10	1.19E-07	2.85E-10	1.2E-07	1.92E-08	1.21E-10	1.94E-08	5.31E-14	1.6E-13	9.27E-14	2.42E-14	5.84E-13	3.22E-14	6.39975E-13	8.597E-09	1.1952E-07	1.94E-08	4.40942E-14	8.50388E-14	2.70878E-14	1.74136E-14
493	570390.6	4178559	0.55, 41785	0.1339	0.10748	90.55746	32.83588	14.07263	4.47793	1.92406E-10	9.71E-13	1.93E-10	1.3E-07	2.96E-10	1.3E-07	2.02E-08	1.27E-10	2.03E-08	5.97E-14	1.8E-13	1.04E-13	2.72E-14	6.56E-13	3.62E-14	7.19728E-13	9.669E-09	1.3042E-07	2.03E-08	4.95892E-14	9.56362E-14	3.04634E-14	1.95836E-14
494	570430.6	4178559	0.55, 41785	0.15297	0.12443	99.07784	34.42492	14.88754	4.68196	2.19808E-10	1.12E-12	2.21E-10	1.42E-07	3.11E-10	1.43E-07	2.14E-08	1.34E-10	2.15E-08	6.82E-14	2.06E-13	1.19E-13	3.1E-14	7.5E-13	4.14E-14	8.22287E-13	1.105E-08	1.4268E-07	2.15E-08	5.66554E-14	1.09264E-13	3.48044E-14	2.23742E-14
495	570470.6	4178559	0.55, 41785	0.17711	0.14611	108.3811	37.13833	15.68816	5.10948	2.54496E-10	1.32E-12	2.56E-10	1.56E-07	3.35E-10	1.56E-07	2.25E-08	1.42E-10	2.27E-08	7.89E-14	2.38E-13	1.38E-13	3.59E-14	8.68E-13	4.79E-14	9.52119E-13	1.279E-08	1.5607E-07	2.27E-08	6.56009E-14	1.26516E-13	4.02997E-14	2.59069E-14
496	570510.6	4178559	0.55, 41785	0.21022	0.1758	119.02071	41.74654	16.67371	5.7123	3.02073E-10	1.59E-12	3.04E-10	1.71E-07	3.77E-10	1.71E-07	2.4E-08	1.51E-10	2.41E-08	9.37E-14	2.83E-13	1.64E-13	4.27E-14	1.03E-12	5.69E-14	1.13019E-12	1.518E-08	1.714E-07	2.41E-08	7.78702E-14	1.50178E-13	4.78369E-14	3.07523E-14
497	570550.6	4178559	0.55, 41785	0.25686	0.21737	138.81712	48.97119	17.78034	6.5378	3.69092E-10	1.96E-12	3.71E-10	1.99E-07	4.42E-10	2E-07	2.55E-08	1.61E-10	2.57E-08	1.15E-13	3.46E-13	2E-13	5.21E-14	1.26E-12	6.95E-14	1.38103E-12	1.855E-08	1.9991E-07	2.57E-08	9.51527E-14	1.83509E-13	5.84538E-14	3.75775E-14
498	570590.6	4178559	0.55, 41785	0.31921	0.27311	158.95656	55.69599	19.86957	7.90259	4.58685E-10	2.47E-12	4.61E-10	2.28E-07	5.03E-10	2.29E-07	2.86E-08	1.79E-10	2.87E-08	1.42E-13	4.3E-13	2.49E-13	6.48E-14	1.57E-12	8.63E-14	1.71636E-12	2.306E-08	2.2891E-07	2.87E-08	1.18257E-13	2.28067E-13	7.26471E-14	4.67017E-14
499	570630.6	4178559	0.55, 41785	0.41072	0.35398	180.38278	65.18573	22.54785	9.64997	5.90179E-10	3.20E-12	5.93E-10	2.59E-07	5.89E-10	2.6E-07	3.24E-08	2.04E-10	3.26E-08	1.83E-13	5.53E-13	3.2E-13	8.34E-14	2.01E-12	1.11E-13	2.20848E-12	2.967E-08	2.5979E-07	3.26E-08	1.52164E-13	2.9346E-13	9.3477E-14	6.00923E-14
500	570670.6	4178559	0.55, 41785	0.55178	0.47716	218.05495	85.23197	27.25687	14.02323	7.92874E-10	4.31E-12	7.97E-10	3.13E-07	7.70E-10	3.14E-07	3.92E-08	2.46E-10	3.94E-08	2.46E-13	7.43E-13	4.3E-13	1.12E-13	2.71E-12	1.49E-13	2.96703E-12	3.986E-08	3.141E-07	3.94E-08	2.04428E-13	3.94254E-13	1.25584E-13	8.07323E-14
501	570710.6	4178559	0.55, 41785	0.78132	0.6809	244.71244	105.12049	32.595	21.74638	1.12271E-09	6.15E-12	1.13E-09	3.52E-07	9.49E-10	3.53E-07	4.68E-08	2.94E-10	4.71E-08	3.48E-13	1.05E-12	6.09E-13	1.59E-13	3.83E-12	2.11E-13	4.20149E-12	5.644E-08	3.5259E-07	4.71E-08	2.89482E-13	5.58287E-13	1.77834E-13	1.14322E-13
502	570750.6	4178559	0.55, 41785	1.13763	1.02831	276.33124	124.7524	39.47589	32.46528	1.6347E-09	9.29E-12	1.64E-09	3.97E-07	1.13E-09	3.98E-07	5.67E-08	3.56E-10	5.71E-08	5.07E-13	1.53E-12	8.87E-13	2.31E-13	5.58E-12	3.08E-13	6.11876E-12	8.22E-08	3.982E-07	5.71E-08	4.21582E-13	8.13051E-13	2.58985E-13	1.6649E-13
503	570790.6	4178559	0.55, 41785	1.48115	1.46435	285.306	157.20995	43.19026	42.97795	2.12832E-09	1.32E-11	2.14E-09	4.1E-07	1.42E-09	4.11E-07	6.21E-08	3.90E-10	6.25E-08	6.61E-13	2E-12	1.16E-12	3.01E-13	7.27E-12	4.01E-13	7.97061E-12	1.071E-07	4.1139E-07	6.25E-08	5.49174E-13	1.05912E-12	3.37366E-13	2.16878E-13
504	570830.6	4178559	0.55, 41785	2.67811	2.99292	342.02881	178.80856	66.23843	64.34565	3.84828E-09	2.70E-11	3.88E-09	4.91E-07	1.61E-09	4.93E-07	9.52E-08	5.98E-10	9.58E-08	1.2E-12	3.61E-12	2.09E-12	5.45E-13	1.32E-11	7.26E-13	1.44235E-11	1.938E-07	4.9309E-07	9.58E-08	9.93777E-13	1.91657E-12	6.10493E-13	3.9246E-13
505	570950.6	4178559	0.55, 41785	26.55575	12.00196	679.01352	318.67052	280.37281	116.3834	3.8159E-08	1.08E-10	3.83E-08	9.76E-07	2.88E-09	9.79E-07	4.03E-07	2.53E-09	4.05E-07	1.18E-11	3.57E-11	2.06E-11	5.38E-12	1.3E-10	7.17E-12	1.42427E-10	1.913E-06	9.7858E-07	4.05E-07	9.81322E-12	1.89255E-11	6.02842E-12	3.87541E-12
506	570990.6	4178559	0.55, 41785	10.52141	6.96087	639.29991	205.65266	133.52138	75.6432	1.51186E-08	6.29E-11	1.52E-08	9.19E-07	1.86E-09	9.2E-07	1.92E-07	1.21E-09	1.93E-07	4.68E-12	1.41E-11	8.19E-12	2.13E-12	5.15E-11	2.84E-12	5.65039E-11	7.591E-07	9.2049E-07	1.93E-07	3.89311E-12	7.50814E-12	2.3916E-12	1.53746E-12
507	571030.6	4178559	0.55, 41785	6.12086	4.69941	562.31532	143.87555	97.52112	53.65332	8.7953E-09	4.24E-11	8.84E-09	8.08E-07	1.30E-09	8.09E-07	1.4E-07	8.81E-10	1.41E-07	2.73E-12	8.23E-12	4.77E-12	1.24E-12	3E-11	1.65E-12	3.28932E-11	4.419E-07	8.0931E-07	1.41E-07	2.26633E-12	4.37079E-12	1.39225E-12	8.95015E-13
508	571070.6	4178559	0.55, 41785	4.00501	3.46908	291.75499	122.4909	69.10596	41.80504	5.75495E-09	3.13E-11	5.79E-09	4.19E-07	1.11E-09	4.2E-07	9.93E-08	6.24E-10	9.99E-08	1.79E-12	5.39E-12	3.12E-12	8.13E-13	1.96E-11	1.08E-12	2.15359E-11	2.893E-07	4.2034E-07	9.99E-08	1.48382E-12	2.86166E-12	9.11537E-13	5.85988E-13
509	571110.6	4178559	0.55, 41785	2.89394	2.70355	288.47324	105.99812	48.03981	36.46899	4.15841E-09	2.44E-11	4.18E-09	4.15E-07	9.57E-10	4.15E-07	6.9E-08	4.34E-10	6.95E-08	1.29E-12	3.9E-12	2.26E-12	5.88E-13	1.42E-11	7.83E-13	1.55681E-11	2.091E-07	4.1548E-07	6.95E-08	1.07264E-12	2.06866E-12	6.58938E-13	4.23603E-13
510	571150.6	4178559	0.55, 41785	2.21115	2.17534	240.56187	97.79178	31.90722	30.3701	3.17729E-09	1.96E-11	3.2E-09	3.46E-07	8.83E-10	3.47E-07	4.58E-08	2.88E-10	4.61E-08	9.87E-13	2.98E-12	1.72E-12	4.49E-13	1.09E-11	5.99E-13	1.18986E-11	1.598E-07	3.4656E-07	4.61E-08	8.19815E-13	1.58107E-12	5.03626E-13	3.23759E-13
511	571190.6	4178559	0.55, 41785	1.76303	1.79806	177.14345	83.63267	24.55859	26.34777	2.53337E-09	1.62E-11	2.55E-09	2.55E-07	7.55E-10	2.55E-07	3.53E-08	2.22E-10	3.55E-08	7.87E-13	2.38E-12	1.38E-12	3.58E-13	8.65E-12	4.77E-13	9.48936E-12	1.275E-07	2.553E-07	3.55E-08	6.53816E-13	1.26093E-12	4.01649E-13	2.58203E-13
512	571230.6	4178559	0.55, 41785	1.44054	1.50665	192.87207	80.98435	29.09943	22.26218	2.06997E-09	1.36E-11	2.08E-09	2.77E-07	7.31E-10	2.78E-07	4.18E-08	2.63E-10	4.21E-08	6.43E-13	1.94E-12	1.12E-12	2.93E-13	7.07E-12	3.9E-13	7.75484E-12	1.042E-07	2.7788E-07	4.21E-08	5.34308E-13	1.03045E-12	3.28234E-13	2.11007E-13
513	571270.6	4178559	0.55, 41785	1.19178	1.27042	167.21575	71.42327	22.32638	19.23301	1.71251E-09	1.15E-11	1.72E-09	2.4E-07	6.45E-10	2.41E-07	3.21E-08	2.02E-10	3.23E-08	5.32E-13	1.61E-12	9.3E-13	2.42E-13	5.85E-12	3.23E-13	6.4165E-12	8.62E-08	2.4092E-07	3.23E-08	4.42096E-13	8.52614E-13	2.71587E-13	1.74592E-13

514	571310.6	4178559	0.55, 41785	1.01245	1.08581	169.23295	65.49002	26.6418	16.91234	1.45483E-09	9.80E-12	1.46E-09	2.43E-07	5.91E-10	2.44E-07	3.83E-08	2.41E-10	3.85E-08	4.52E-13	1.36E-12	7.9E-13	2.06E-13	4.97E-12	2.74E-13	5.45122E-12	7.323E-08	2.4377E-07	3.85E-08	3.75588E-13	7.24348E-13	2.3073E-13	1.48326E-13
515	571350.6	4178559	0.55, 41785	0.8838	0.94242	194.09519	63.64749	28.90026	14.99354	1.26997E-09	8.51E-12	1.28E-09	2.79E-07	5.75E-10	2.79E-07	4.15E-08	2.61E-10	4.18E-08	3.95E-13	1.19E-12	6.9E-13	1.8E-13	4.34E-12	2.39E-13	4.75836E-12	6.392E-08	2.7948E-07	4.18E-08	3.2785E-13	6.32283E-13	2.01404E-13	1.29474E-13
516	571390.6	4178559	0.55, 41785	0.78025	0.82372	158.10154	57.98385	23.81897	12.89204	1.12117E-09	7.44E-12	1.13E-09	2.27E-07	5.24E-10	2.28E-07	3.42E-08	2.15E-10	3.44E-08	3.48E-13	1.05E-12	6.09E-13	1.59E-13	3.83E-12	2.11E-13	4.20057E-12	5.643E-08	2.2771E-07	3.44E-08	2.89419E-13	5.58165E-13	1.77795E-13	1.14297E-13
517	571430.6	4178559	0.55, 41785	0.68512	0.72115	137.68904	52.2569	18.93914	11.62385	9.84475E-10	6.51E-12	9.91E-10	1.98E-07	4.72E-10	1.98E-07	2.72E-08	1.71E-10	2.74E-08	3.06E-13	9.23E-13	5.35E-13	1.39E-13	3.36E-12	1.86E-13	3.68835E-12	4.955E-08	1.9832E-07	2.74E-08	2.54127E-13	4.90102E-13	1.56114E-13	1.00359E-13
518	571470.6	4178559	0.55, 41785	0.60049	0.63425	143.56241	49.93475	19.90478	10.29716	8.62867E-10	5.73E-12	8.69E-10	2.06E-07	4.51E-10	2.07E-07	2.86E-08	1.80E-10	2.88E-08	2.68E-13	8.09E-13	4.68E-13	1.22E-13	2.95E-12	1.63E-13	3.23282E-12	4.343E-08	2.0674E-07	2.88E-08	2.22741E-13	4.29572E-13	1.36833E-13	8.79643E-14
519	571510.6	4178559	0.55, 41785	0.52736	0.56045	131.02036	47.72087	18.26486	8.99798	7.57784E-10	5.06E-12	7.63E-10	1.88E-07	4.31E-10	1.89E-07	2.62E-08	1.65E-10	2.64E-08	2.35E-13	7.11E-13	4.11E-13	1.07E-13	2.59E-12	1.43E-13	2.83923E-12	3.814E-08	1.887E-07	2.64E-08	1.95623E-13	3.77272E-13	1.20174E-13	7.72548E-14
520	571550.6	4178559	0.55, 41785	0.46874	0.49944	99.50634	45.73793	14.05158	8.03042	6.7355E-10	4.51E-12	6.78E-10	1.43E-07	4.13E-10	1.43E-07	2.02E-08	1.27E-10	2.03E-08	2.09E-13	6.32E-13	3.66E-13	9.53E-14	2.3E-12	1.27E-13	2.52367E-12	3.39E-08	1.434E-07	2.03E-08	1.73881E-13	3.35341E-13	1.06818E-13	6.86685E-14
521	571590.6	4178559	0.55, 41785	0.42104	0.44786	63.39282	43.98321	9.17705	7.35207	6.05008E-10	4.04E-12	6.09E-10	9.11E-08	3.97E-10	9.15E-08	1.32E-08	8.29E-11	1.33E-08	1.88E-13	5.67E-13	3.29E-13	8.56E-14	2.07E-12	1.14E-13	2.26683E-12	3.045E-08	9.1489E-08	1.33E-08	1.56184E-13	3.01213E-13	9.59466E-14	6.168E-14
522	570310.6	4178599	0.55, 41785	0.10507	0.08466	83.25071	28.48032	11.19876	3.62883	1.50979E-10	7.64E-13	1.52E-10	1.2E-07	2.57E-10	1.2E-07	1.61E-08	1.01E-10	1.62E-08	4.68E-14	1.41E-13	8.18E-14	2.13E-14	5.15E-13	2.84E-14	5.64774E-13	7.587E-09	1.1988E-07	1.62E-08	3.89129E-14	7.50462E-14	2.39048E-14	1.53674E-14
523	570350.6	4178599	0.55, 41785	0.11716	0.09561	88.57329	30.33455	11.44069	3.79182	1.68352E-10	8.63E-13	1.69E-10	1.27E-07	2.74E-10	1.28E-07	1.64E-08	1.03E-10	1.65E-08	5.22E-14	1.58E-13	9.13E-14	2.38E-14	5.74E-13	3.17E-14	6.29801E-13	8.461E-09	1.2755E-07	1.65E-08	4.33932E-14	8.36869E-14	2.66572E-14	1.71367E-14
524	570390.6	4178599	0.55, 41785	0.13131	0.10865	93.2639	32.45644	11.65799	4.05706	1.88684E-10	9.81E-13	1.9E-10	1.34E-07	2.93E-10	1.34E-07	1.68E-08	1.05E-10	1.69E-08	5.85E-14	1.77E-13	1.02E-13	2.67E-14	6.44E-13	3.55E-14	7.05916E-13	9.483E-09	1.3431E-07	1.69E-08	4.86375E-14	9.38009E-14	2.98788E-14	1.92078E-14
525	570430.6	4178599	0.55, 41785	0.15022	0.126	103.53542	36.02365	12.94193	4.50296	2.15857E-10	1.14E-12	2.17E-10	1.49E-07	3.25E-10	1.49E-07	1.86E-08	1.17E-10	1.87E-08	6.7E-14	2.02E-13	1.17E-13	3.05E-14	7.37E-13	4.06E-14	8.07632E-13	1.085E-08	1.491E-07	1.87E-08	5.56457E-14	1.07317E-13	3.41841E-14	2.19755E-14
526	570470.6	4178599	0.55, 41785	0.17421	0.14819	115.63183	39.91557	14.45398	5.34922	2.50329E-10	1.34E-12	2.52E-10	1.66E-07	3.60E-10	1.67E-07	2.08E-08	1.31E-10	2.09E-08	7.77E-14	2.34E-13	1.36E-13	3.54E-14	8.54E-13	4.71E-14	9.3668E-13	1.258E-08	1.6652E-07	2.09E-08	6.45371E-14	1.24464E-13	3.96462E-14	2.54868E-14
527	570510.6	4178599	0.55, 41785	0.20799	0.17912	128.15759	44.54205	16.0197	6.36274	2.98869E-10	1.62E-12	3E-10	1.84E-07	4.02E-10	1.85E-07	2.3E-08	1.45E-10	2.32E-08	9.27E-14	2.8E-13	1.62E-13	4.22E-14	1.02E-12	5.63E-14	1.11838E-12	1.502E-08	1.8456E-07	2.32E-08	7.70562E-14	1.48608E-13	4.73369E-14	3.04308E-14
528	570550.6	4178599	0.55, 41785	0.25382	0.22088	141.74172	51.90419	17.71771	7.41488	3.64724E-10	1.99E-12	3.67E-10	2.04E-07	4.69E-10	2.04E-07	2.55E-08	1.60E-10	2.56E-08	1.13E-13	3.42E-13	1.98E-13	5.15E-14	1.24E-12	6.87E-14	1.36489E-12	1.834E-08	2.0414E-07	2.56E-08	9.40406E-14	1.81364E-13	5.77707E-14	3.71383E-14
529	570590.6	4178599	0.55, 41785	0.31442	0.27626	161.8077	62.94071	20.22596	8.27119	4.51802E-10	2.49E-12	4.54E-10	2.33E-07	5.68E-10	2.33E-07	2.91E-08	1.83E-10	2.92E-08	1.4E-13	4.23E-13	2.45E-13	6.38E-14	1.54E-12	8.51E-14	1.69085E-12	2.271E-08	2.3308E-07	2.92E-08	1.16499E-13	2.24677E-13	7.15673E-14	4.60075E-14
530	570630.6	4178599	0.55, 41785	0.39904	0.35395	187.04764	77.01967	23.38095	12.20463	5.73396E-10	3.20E-12	5.77E-10	2.69E-07	6.95E-10	2.69E-07	3.36E-08	2.11E-10	3.38E-08	1.78E-13	5.37E-13	3.11E-13	8.1E-14	1.96E-12	1.08E-13	2.14602E-12	2.883E-08	2.6947E-07	3.38E-08	1.4786E-13	2.85159E-13	9.0833E-14	5.83926E-14
531	570670.6	4178599	0.55, 41785	0.52025	0.46779	203.91154	89.67976	27.18561	17.16092	7.47567E-10	4.22E-12	7.52E-10	2.93E-07	8.10E-10	2.94E-07	3.91E-08	2.45E-10	3.93E-08	2.32E-13	7E-13	4.05E-13	1.06E-13	2.55E-12	1.41E-13	2.79809E-12	3.759E-08	2.9382E-07	3.93E-08	1.92788E-13	3.71806E-13	1.18433E-13	7.61354E-14
532	570710.6	4178599	0.55, 41785	0.68748	0.63563	226.5911	101.22552	32.37016	22.387	9.87866E-10	5.74E-12	9.94E-10	3.26E-07	9.14E-10	3.27E-07	4.65E-08	2.92E-10	4.68E-08	3.07E-13	9.26E-13	5.36E-13	1.4E-13	3.37E-12	1.86E-13	3.6981E-12	4.968E-08	3.2651E-07	4.68E-08	2.54799E-13	4.91397E-13	1.56527E-13	1.00624E-13
533	570750.6	4178599	0.55, 41785	0.91976	0.89022	243.41497	114.05895	34.77357	31.00996	1.32164E-09	8.04E-12	1.33E-09	3.5E-07	1.03E-09	3.51E-07	5E-08	3.14E-10	5.03E-08	4.1E-13	1.24E-12	7.17E-13	1.87E-13	4.51E-12	2.49E-13	4.94892E-12	6.648E-08	3.508E-07	5.03E-08	3.4098E-13	6.57605E-13	2.0947E-13	1.34659E-13
534	570790.6	4178599	0.55, 41785	1.20615	1.22781	261.32328	130.44037	39.31654	39.06207	1.73316E-09	1.11E-11	1.74E-09	3.76E-07	1.18E-09	3.77E-07	5.65E-08	3.55E-10	5.69E-08	5.38E-13	1.63E-12	9.41E-13	2.45E-13	5.92E-12	3.27E-13	6.49192E-12	8.721E-08	3.7668E-07	5.69E-08	4.47293E-13	8.62636E-13	2.74779E-13	1.76644E-13
535	570830.6	4178599	0.55, 41785	1.86035	2.06593	307.79075	158.37727	57.33573	51.17396	2.67321E-09	1.87E-11	2.69E-09	4.42E-07	1.43E-09	4.44E-07	8.24E-08	5.18E-10	8.29E-08	8.31E-13	2.51E-12	1.45E-12	3.78E-13	9.14E-12	5.04E-13	1.00188E-11	1.346E-07	4.4371E-07	8.29E-08	6.90297E-13	1.33129E-12	4.24061E-13	2.7261E-13
536	570870.6	4178599	0.55, 41785	2.81953	3.8452	429.66876	238.19724	77.96533	87.47681	4.05149E-09	3.47E-11	4.09E-09	6.17E-07	2.15E-09	6.2E-07	1.12E-07	7.04E-10	1.13E-07	1.26E-12	3.81E-12	2.2E-12	5.74E-13	1.39E-11	7.65E-13	1.52085E-11	2.043E-07	6.1956E-07	1.13E-07	1.04786E-12	2.02088E-12	6.43718E-13	4.13819E-13
537	570910.6	4178599	0.55, 41785	4.21414	6.38342	555.65098	273.48442	124.98504	103.73159	6.05546E-09	5.76E-11	6.11E-09	7.98E-07	2.47E-09	8.01E-07	1.8E-07	1.13E-09	1.81E-07	1.89E-12	5.7E-12	3.3E-12	8.59E-13	2.07E-11	1.14E-12	2.27523E-11	3.057E-07	8.0091E-07	1.81E-07	1.56763E-12	3.02329E-12	9.63022E-13	6.19086E-13
538	570950.6	4178599	0.55, 41785	4.59898	4.54538	563.80012	195.03038	96.52509	58.5202	6.60845E-09	4.10E-11	6.65E-09	8.1E-07	1.76E-09	8.12E-07	1.39E-07	8.72E-10	1.4E-07	2.05E-12	6.2E-12	3.59E-12	9.34E-13	2.26E-11	1.25E-12	2.47487E-11	3.325E-07	8.1191E-07	1.4E-07	1.70519E-12	3.28857E-12	1.04752E-12	6.73408E-13
539	570990.6	4178599	0.55, 41785	3.82228	3.4158	387.45867	157.86758	74.93195	45.58999	5.49238E-09	3.08E-11	5.52E-09	5.57E-07	1.43E-09	5.58E-07	1.08E-07	6.77E-10	1.08E-07	1.7E-12	5.15E-12	2.98E-12	7.76E-13	1.87E-11	1.03E-12	2.05569E-11	2.762E-07	5.5818E-07	1.08E-07	1.41637E-12	2.73156E-12	8.70097E-13	5.59348E-13
540	571030.6	4178599	0.55, 41785	3.02247	2.69987	442.17309	124.03841	67.82636	38.72372	4.3431E-09	2.44E-11	4.37E-09	6.35E-07	1.12E-09	6.36E-07	9.75E-08	6.12E-10	9.81E-08	1.35E-12	4.07E-12	2.36E-12	6.14E-13	1.48E-11	8.18E-13	1.62553E-11	2.184E-07	6.365E-07	9.81E-08	1.11999E-12	2.15998E-12	6.88028E-13	4.42304E-13
541	571070.6	4178599	0.55, 41785	2.43201	2.20804	323.32852	105.96293	49.87717	32.54487	3.49465E-09	1.99E-11	3.51E-09	4.65E-07	9.57E-10	4.66E-07	7.17E-08	4.50E-10	7.21E-08	1.08E-12	3.27E-12	1.9E-12	4.94E-13	1.19E-11	6.58E-13	1.30809E-11	1.757E-07	4.6556E-07	7.21E-08	9.01275E-13	1.73817E-12	5.53668E-13	3.55929E-13
542	571110.6	4178599	0.55, 41785	1.9361	1.83698	285.52756	89.63178	42.26506	28.59229	2.78206E-09	1.66E-11	2.8E-09	4.1E-07	8.09E-10	4.11E-07	6.07E-08	3.82E-10	6.11E-08	8.64E-13	2.61E-12	1.51E-12	3.93E-13	9.5E-12	5.24E-13	1.04163E-11	1.399E-07	4.1109E-07	6.11E-08	7.1768E-13	1.3841E-12	4.40882E-13	2.83424E-13
543	571150.6	4178599	0.55, 41785	1.58315	1.55537	182.41041	88.91432	29.75311	25.20352	2.27489E-09	1.40E-11	2.29E-09	2.62E-07	8.03E-10	2.63E-07	4.28E-08	2.69E-10	4.3E-08	7.06E-13	2.13E-12	1.23E-12	3.22E-13	7.77E-12	4.29E-13	8.51918E-12	1.144E-07	2.6292E-07	4.3E-08	5.8697E-13	1.13201E-12	3.60585E-13	2.31805E-13
544	571190.6	4178599	0.55, 41785	1.33739	1.33597	189.26194	77.8274	24.55337	21.99349	1.92175E-09	1.21E-11	1.93E-09	2.72E-07	7.03E-10	2.73E-07	3.53E-08	2.22E-10	3.55E-08	5.97E-13	1.8E-12	1.04E-12	2.72E-13	6.56E-12	3.62E-13	7.19745E-12	9.669E-08	2.7266E-07	3.55E-08	4.95903E-13	9.56385E-13	3.04641E-13	1.95841E-13
545	571230.6	4178599	0.55, 41785	1.14183	1.1549	177.02423	70.01737	25.42204	18.83046	1.64074E-09	1.04E-11	1.65E-09	2.54E-07	6.32E-10	2.55E-07	3.65E-08	2.30E-10	3.68E-08	5.1E-13	1.54E-12	8.91E-13	2.32E-13	5.6E-12	3.09E-13	6.14548E-12	8.256E-08	2.5501E-07	3.68E-08	4.23423E-13	8.16601E-13	2.60115E-13	1.67217E-13
546	571270.6	4178599	0.55, 41785	0.97959	1.00523	160.46118	68.49541	22.92303	16.81937	1.40761E-09	9.08E-12	1.42E-09	2.31E-07	6.18E-10	2.31E-07	3.29E-08	2.07E-10	3.31E-08	4.37E-13	1.32E-12	7.64E-13	1.99E-13	4.81E-12	2.65E-13	5.27277E-12	7.083E-08	2.3119E-07	3.31E-08	3.63293E-13	7.00636E-13	2.23177E-13	1.43471E-13
547	571310.6	4178599	0.55, 41785	0.84011	0.87488	131.92842	62.86665	16.49105	15.16442	1.20719E-09	7.90E-12	1.22E-09	1.9E-07	5.68E-10	1.9E-07	2.37E-08	1.49E-10	2.38E-08	3.75E-13	1.13E-12	6.55E-13	1.71E-13	4.12E-12	2.28E-13	4.52243E-12	6.075E-08	1.9014E-07	2.38E-08	3.11595E-13	6.00933E-13	1.91418E-13	1.23054E-13
548	571350.6	4178599	0.55, 41785	0.73896	0.77159	149.85158	58.69155	22.55392	13.49962	1.06184E-09	6.97E-12	1.07E-09	2.15E-07	5.30E-10	2.16E-07	3.24E-08	2.04E-10	3.26E-08	3.3E-13	9.96E-13	5.76E-13	1.5E-13	3.63E-12	2E-13	3.97799E-12	5.344E-08	2.1586E-07	3.26E-08	2.74083E-13	5.28589E-13	1.68374E-13	1.0824E-13
549	571390.6	4178599	0.55, 41785	0.661	0.68563	168.50279	56.32456	24.41155	12.10471	9.49816E-10	6.19E-12	9.56E-10	2.42E-07	5.09E-10	2.43E-07	3.51E-08	2.20E-10	3.53E-08	2.95E-13	8.91E-13	5.16E-13	1.34E-13	3.24E-12	1.79E-13	3.55816E-12	4.78E-08	2.4264E-07	3.53E-08	2.45157E-13	4.72803E-13	1.50604E-13	9.68168E-14
550	571430.6	4178599	0.55, 41785	0.59511	0.61204	136.17098	51.76249	20.03651	10.61326	8.55136E-10	5.53E-12	8.61E-10	1.96E-07	4.67E-10	1.96E-07	2.88E-08	1.81E-10	2.9E-08	2.66E-13	8.02E-13	4.64E-13	1.21E-13	2.92E-12	1.61E-13	3.2033E-12	4.303E-08	1.9614E-07	2.9E-08	2.20707E-13	4.25649E-13	1.35584E-13	8.71611E-14
551	571470.6	4178599	0.55, 41785	0.53051	0.54561	117.9441	47.17442	16.84916	9.40387	7.6231E-10	4.93E-12	7.67E-10	1.69E-07	4.26E-10	1.7E-07	2.42E-08	1.52E-10	2.44E-08	2.37E-13	7.15E-13	4.14E-13	1.08E-13	2.6E-12	1.44E-13	2.85558E-12	3.836E-08	1.699E-07	2.44E-08	1.96749E-13	3.79444E-13	1.20866E-13	7.76996E-14
552	571510.6	4178599	0.55, 41785	0.47218	0.48877	120.07824	45.51387	16.38718	8.49605	6.78494E-10	4.41E-12	6.83E-10	1.73E-07	4.11E-10	1.73E-07	2.35E-08	1.48E-10	2.37E-08	2.11E-13	6.36E-13	3.68E-13	9.6E-14	2.32E-12	1.28E-13	2.54171E-12	3.415E-08	1.7296E-07	2.37E-08	1.75124E-13	3.37738E-13	1.07581E-13	6.91594E-14
553	571550.6	4178599	0.55, 41785	0.42043	0.43954	119.99429	43.92883	16.43506	7.56489	6.04132E-10	3.97E-12	6.08E-10	1.72E-07	3.97E-10	1.73E-07	2.36E-08	1.48E-10	2.38E-08	1.88E-13	5.67E-13	3.28E-13	8.54E-14	2.06E-12	1.14E-13	2.26329E-12	3.041E-08	1.7282E-07	2.38E-08	1.5594E-13	3.00742E-13	9.57967E-14	6.15836E-14
554	571590.6	4178599	0.55, 41785	0.37632	0.39688	100.33698	42.40478	13.86046	7.00095	5.40749E-10	3.58E-12	5.44E-10	1.44E-07	3.83E-10	1.45E-07	1.99E-08	1.25E-10	2E-08	1.68E-13	5.07E-13	2.94E-13	7.65E-14	1.85E-12	1.02E-13	2.02595E-12	2.722E-08	1.4456E-07	2E-08	1.39588E-13	2.69205E-13	8.5751E-14	5.51256E-14
555	570310.6	4178639	0.55, 41786	0.10356	0.08559	83.92303	29.66661	10.49038	3.70833	1.48809E-10	7.73E-13	1.5E-10	1.21E-07	2.68E-10	1.21E-07	1.51E-08	9.47E-11	1.52E-08	4.62E-14	1.39E-13	8.07E-14	2.1E-14	5.08E-13	2.8E-14	5.5673E-13	7.479E-09	1.2086E-07	1.52E-08	3.83586E-14	7.39773E-14	2.35643E-14	1.51485E-14
556	570350.6	4178639	0.55, 41786	0.1161	0.09716	92.63397	32.60646	11.57925	4.08084	1.66829E-10	8.77E-13	1.68E-10	1.33E-07	2.94E-10	1.33E-07	1.66E-08	1.05E-10	1.67E-08	5.18E-14	1.56E-13	9.05E-14	2.36E-14	5.69E-13	3.14E-14	6.24184E-13	8.385E-09	1.334E-07	1.67E-08	4.30062E-14	8.29406E-14	2.64194E-14	1.69839E-14
557	570390.6	4178639	0.55, 41786	0.13068	0.11086	100.54346	34.97331	12.56793	4.70976	1.87779E-10	1.00E-12	1.89E-10	1.44E-07	3.16E-10	1.45E-07	1.81E-08	1.13E-10	1.82E-08	5.83E-14	1.76E-13	1.02E-13	2.65E-14	6.41E-13	3.53E-14	7.02621E-13	9.439E-09	1.4479E-07	1.82E-08	4.84105E-14	9.3363E-14	2.97393E-14	1.91181E-14
558	570430.6	4178639	0.55, 41786	0.14929	0.12834	107.49924	37.52244	13.4374	5.36035	2.14521E-10	1.16E-12	2.16E-10	1.54E-07	3.39E-10	1.55E-07	1.93E-08	1.21E-10	1.94E-08	6.66E-14	2.01E-13	1.16E-13	3.03E-14	7.32E-13	4.04E-14	8.02737E-13	1.078E-08	1.5481E-07	1.94E-08	5.53085E-14	1.06666E-13	3.39769E-14	2.18423E-14
559	570470.6	4178639	0.55, 41786	0.17443	0.15183	116.62505	42.4162	14.57813	6.05946	2.50645E-10	1.37E-12	2.52E-10	1.68E-07	3.83E-10	1.68E-07	2.09E-08	1.32E-10	2.11E-08	7.78E-14	2.35E-13	1.36E-13	3.54E-14	8.55E-13	4.72E-14	9.37979E-13	1.26E-08	1.6797E-07	2.11E-08	6.46266E-14	1.24637E-13	3.97012E-14	2.55222E-14
560	570510.6	4178639	0.55, 41786	0.20768	0.18277	127.00459	48.18252	15.87557	6.71257	2.98423E-10	1.65E-12	3E-10	1.82E-07	4.35E-10	1.83E-07	2.28E-08	1.43E-10	2.3E-08	9.26E-14	2.8E-13	1.62E-13	4.22E-14	1.02E-12	5.62E-14	1.11684E-12	1.5E-08	1.8293E-07	2.3E-08	7.69504E-14	1.48404E-13	4.72719E-14	3.03891E-14
561	570550.6	4178639	0.55, 41786	0.2504	0.22269	148.76746	59.99627	18.59593	7.58374	3.59809E-10	2.01E-12	3.62E-10	2.14E-07	5.42E-10	2.14E-07	2.67E-08	1.68E-10	2.69E-08	1.12E-13	3.37E-13	1.95E-13	5.08E-14	1.23E-12	6.77E-14	1.34666E-12	1.809E-08	2.1431E-07	2.69E-08	9.27846E-14	1.78942E-13	5.69991E-14	3.66423E-14
562	570590.6	4178639	0.55, 41786	0.30521	0.27478	162.38276	69.4472	20.29784	10.74133	4.38568E-10	2.48E-12	4.41E-10	2.33E-07	6.27E-10	2.34E-07	2.92E-08	1.83E-10	2.94E-08	1.36E-13	4.11E-13	2.38E-13	6.2E-14	1.5E-12	8.26E-14	1.64154E-12	2.205E-08	2.3396E-07	2.94E-08	1.13102E-13	2.18125E-13	6.94803E-14	4.46659E-14
563	570630.6	4178639	0.55, 41786	0.37839	0.34592	177.15033	78.68271	23.7109	14.16715	5.43723E-10	3.12E-12	5.47E-10	2.55E-07	7.10E-10	2.55E-07	3.41E-08	2.14E-10	3.43E-08	1.69E-13	5.1E-13	2.95E-13	7.68E-14	1.86E-12	1.02E-13	2.03531E-12	2.734E-08	2.5526E-07	3.43E-08	1.40232E-13	2.70448E-13	8.61471E-14	5.53803E-14
564	570670.6	4178639	0.55, 41786	0.47152	0.44129	194.04584	86.02037	27.72083	17.24466	6.77545E-10	3.98E-12	6.82E-10	2.79E-07	7.77E-10	2.8E-07	3.98E-08	2.50E-10	4.01E-08	2.1E-13	6.35E-13	3.68E-13	9.58E-14	2.31E-12	1.28E-13	2.53659E-12	3.408E-08	2.7961E-07	4.01E-08	1.7477E-13	3.37057E-13	1.07364E-13	6.90199E-14
565	570710.6	4178639	0.55, 41786	0.59058	0.57043	207.44684	93.90742	29.63526	21.88085	8.48627E-10	5.15E-12	8.54E-10	2.98E-07	8.48E-10	2.99E-07	4.26E-08	2.68E-10	4.29E-08	2.63E-13	7.95E-13	4.61E-13	1.2E-13	2.9E-12	1.6E-13	3.17768E-12	4.269E-08	2.9894E-07	4.29E-08	2.18941E-13	4.22244E-13	1.34499E-13	8.64638E-14
566	570750.6	4178639	0.55, 41786	0.7421	0.74424	219.27007	107.04803	31.3243	27.05481	1.06635E-09	6.72E-12	1.07E-09	3.15E-07	9.67E-10	3.16E-07	4.5E-08	2.83E-10	4.53E-08	3.31E-13	1E-12	5.79E-13	1.51E-13	3.64E-12	2.01E-13	3.99387E-12	5.365E-08	3.1604E-07	4.53E-08	2.75177E-13	5.30698E-13	1.69046E-13	1.08672E-13
567	570790.6	4178639	0.55, 41786	0.94425	0.97087	237.37937	117.94026	33.01145	30.70173	1.35683E-09	8.77E-12	1.37E-09	3.41E-07	1.06E-09	3.42E-07	4.74E-08	2.98E-10	4.77E-08	4.21E-13	1.27E-12	7.37E-13	1.92E-13	4.64E-12	2.56E-13	5.08261E-12	6.828E-08	3.4216E-07	4.77E-08	3.50191E-13	6.75369E-13	2.15128E-13	1.38297E-13
568	570830.6	4178639	0.55, 41786	1.23329	1.33292	295.25944	130.22679	42.69044	39.99654	1.77216E-09	1.20E-11	1.78E-09	4.24E-07	1.18E-09	4.25E-07	6.13E-08	3.85E-10	6.17E-08	5.51E-13	1.66E-12	9.62E-13	2.51E-13	6.06E-12	3.34E-13	6.6406E-12	8.921E-08	4.2545E-07	6.17E-08	4.57537E-13	8.82392E-13	2.81072E-13	1.80689E-13
569	570870.6	4178639	0.55, 41786	1.50989	1.73214	317.24906	188.19869	58.25942	53.82297	2.16962E-09	1.56E-11	2.19E-09	4.56E-07	1.70E-09	4.58E-07	8.37E-08	5.26E-10	8.42E-08	6.74E-13	2.04E-12	1.18E-12	3.07E-13	7.42E-12	4.09E-13	8.13332E-12	1.093E-07	4.5757E-07	8.42E-08	5.60384E-13	1.08074E-12	3.44253E-13	2.21306E-13
570	570910.6	4178639	0.55, 41786	1.78259	1.99297	332.58479	179.86407	63.94152	52.98497	2.56147E-09	1.80E-11	2.58E-09	4.78E-07	1.62E-09	4.8E-07	9.19E-08	5.77E-10	9.25E-08	7.96E-13	2.4E-12	1.39E-12	3.62E-13	8.76E-12	4.83E-13	9.60052E-12	1.29E-07	4.7953E-07	9.25E-08	6.61474E-13	1.2757E-12	4.06354E-13	2.61228E-13
571	570950.6	4178639	0.55, 41786	1.86524	1.94862	326.77204	147.92341	57.64661	41.4452	2.68023E-09	1.76E-11	2.7E-09	4.7E-07	1.34E-09	4.71E-07	8.28E-08	5.21E-10	8.34E-08	8.32E-13	2.51E-12	1.46E-12	3.79E-13	9.16E-12	5.05E-13	1.00411E-11	1.349E-07	4.7089E-07	8.34E-08	6.91827E-13	1.33424E-12	4.25001E-13	2.73215E-13
572	570990.6	4178639	0.55, 41786	1.76592	1.78245	311.73236	122.31574	43.80696	33.57582	2.53752E-09	1.61E-11	2.55E-09	4.48E-07	1.10E-09	4.49E-07	6.29E-08	3.96E-10	6.33E-08	7.88E-13	2.38E-12	1.38E-12	3.59E-13	8.67E-12	4.78E-13	9.50429E-12	1.277E-07	4.4904E-07	6.33E-08	6.54844E-13	1.26291E-12	4.02281E-13	2.5861E-13
573	571030.6	4178639	0.55, 41786	1.5977	1.58915	263.38378	106.70114	40.88022	26.80487	2.2958E-09	1.43E-11	2.31E-09	3.78E-07	9.63E-10	3.79E-07	5.87E-08	3.69E-10	5.91E-08	7.13E-13	2.15E-12	1.25E-12	3.25E-13	7.84E-12	4.33E-13	8.59813E-12	1.155E-07	3.7943E-07	5.91E-08	5.9241E-13	1.1425E-12	3.63927E-13	2.33953E-13
574	571070.6	4178639	0.55, 41786	1.42629	1.41473	323.91584	92.06505	44.84431	24.93328	2.04949E-09	1.28E-11	2.06E-09	4.65E-07	8.31E-10	4.66E-07	6.44E-08	4.05E-10	6.48E-08	6.36E-13	1.92E-12	1.11E-12	2.9E-13	7E-12	3.86E-13	7.67554E-12	1.031E-07	4.6628E-07	6.48E-08	5.28844E-13	1.01991E-12	3.24877E-13	2.0885E-13
575	571110.6	4178639	0.55, 41786	1.27265	1.25146	231.49813	85.11921	34.4516	22.95032	1.82872E-09	1.13E-11	1.84E-09	3.33E-07	7.69E-10	3.33E-07	4.95E-08	3.11E-10	4.98E-08	5.68E-13	1.71E-12	9.92E-13	2.59E-13	6.25E-12	3.45E-13	6.84837E-12	9.2E-08	3.3342E-07	4.98E-08	4.71852E-13	9.1E-13	2.89866E-13	1.86343E-13
576	571150.6	4178639	0.55, 41786	1.10067	1.1079	235.36335	78.49538	33.92291	20.75102	1.58159E-09	1.00E-11	1.59E-09	3.38E-07	7.09E-10	3.39E-07	4.87E-08	3.06E-10	4.91E-08	4.91E-13	1.48E-12	8.58E-13	2.24E-13	5.4E-12	2.98E-13	5.92377E-12	7.958E-08	3.3891E-07	4.91E-08	4.08147E-13	7.87141E-13	2.50731E-13	1.61184E-13
577	571190.6	4178639	0.55, 41786	0.96404	0.98605	150.10185	73.9658	22.00887	18.66835	1.38527E-09	8.90E-12	1.39E-09	2.16E-07	6.68E-10	2.16E-07	3.16E-08	1.99E-10	3.18E-08	4.3E-13	1.3E-12	7.52E-13	1.96E-13	4.73E-12	2.61E-13	5.18896E-12	6.971E-08	2.1635E-07	3.18E-08	3.57519E-13	6.895E-13	2.19629E-13	1.4119E-13
578	571230.6	4178639	0.55, 41786	0.85847	0.87787	130.71922	65.23747	20.98447	16.26127	1.23357E-09	7.93E-12	1.24E-09	1.88E-07	5.89E-10	1.88E-07	3.02E-08	1.89E-10	3.03E-08	3.83E-13	1.16E-12	6.7E-13	1.74E-13	4.21E-12	2.32E-13	4.62072E-12	6.207E-08	1.8842E-07	3.03E-08	3.18367E-13	6.13994E-13	1.95578E-13	1.25729E-13
579	571270.6	4178639	0.55, 41786	0.76521	0.78388	147.71702	61.52416	22.46264	14.29709	1.09956E-09	7.08E-12	1.11E-09	2.12E-07	5.56E-10	2.13E-07	3.23E-08	2.03E-10	3.25E-08	3.41E-13	1.03E-12	5.97E-13	1.55E-13	3.76E-12	2.07E-13	4.11879E-12	5.533E-08	2.1282E-07	3.25E-08	2.83784E-13	5.47298E-13	1.74333E-13	1.12071E-13
580	571310.6	4178639	0.55, 41786	0.67814	0.70066	136.41117	59.8434	17.34958	13.40052	9.74445E-10	6.33E-12	9.81E-10	1.96E-07	5.40E-10	1.97E-07	2.49E-08	1.57E-10	2.51E-08	3.03E-13	9.14E-13	5.29E-13	1.38E-13	3.33E-12	1.84E-13	3.65034E-12	4.904E-08	1.9655E-07	2.51E-08	2.51508E-13	4.8505E-13	1.54505E-13	9.93248E-14
581	571350.6	4178639	0.55, 41786	0.60279	0.6273	124.67819	56.4143	15.58477	12.33978	8.66172E-10	5.66E-12	8.72E-10	1.79E-07	5.09E-10	1.8E-07	2.24E-08	1.41E-10	2.25E-08	2.69E-13	8.12E-13	4.7E-13	1.23E-13	2.96E-12	1.63E-13	3.24489E-12	4.359E-08	1.7966E-07	2.25E-08	2.23572E-13	4.31175E-13	1.37344E-13	8.82926E-14
582	571390.6	4178639	0.55, 41786	0.54567	0.56561	134.64293	53.30447	19.4501	11.04071	7.84094E-10	5.11E-12	7.89E-10	1.93E-07	4.81E-10	1.94E-07	2.79E-08	1.76E-10	2.81E-08	2.44E-13	7.35E-13	4.26E-13	1.11E-13	2.68E-12	1.48E-13	2.93733E-12	3.946E-08	1.9395E-07	2.81E-08	2.02382E-13	3.90307E-13	1.24326E-13	7.9924E-14
583	571430.6	4178639	0.55, 41786	0.50035	0.51255	147.79016	50.85435	20.77571	9.97795	7.18972E-10	4.63E-12	7.24E-10	2.12E-07	4.59E-10	2.13E-07	2.99E-08	1.88E-10	3E-08	2.23E-13	6.74E-13	3.9E-13	1.02E-13	2.46E-12	1.35E-13	2.69317E-12	3.618E-08	2.1282E-07	3E-08	1.85559E-13	3.57863E-13	1.13992E-13	7.32805E-14
584	571470.6	4178639	0.55, 41786	0.45884	0.46513	118.76181	47.03177	16.94782	8.9119	6.59325E-10	4.20E-12	6.64E-10	1.71E-07	4.25E-10	1.71E-07	2.44E-08	1.53E-10	2.45E-08	2.05E-13	6.18E-13	3.58E-13	9.32E-14	2.25E-12	1.24E-13	2.46957E-12	3.318E-08	1.7108E-07	2.45E-08	1.70153E-13	3.28153E-13	1.04528E-13	6.71965E-14
585	571510.6	4178639	0.55, 41786	0.41516	0.4204	105.04191	43.02213	15.00599	7.61313	5.96559E-10	3.80E-12	6E-10	1.51E-07	3.88E-10	1.51E-07	2.16E-08	1.35E-10	2.17E-08	1.85E-13	5.59E-13	3.24E-13	8.44E-14	2.04E-12	1.12E-13	2.23446E-12	3.002E-08	1.5133E-07	2.17E-08	1.53954E-13	2.96912E-13	9.45765E-14	6.07992E-14
586	571550.6	4178639	0.55, 41786	0.37489	0.38245	101.59712	41.64808	13.25702	7.0054	5.38694E-10	3.45E-12	5.42E-10	1.46E-07	3.76E-10	1.46E-07	1.9E-08	1.20E-10	1.92E-08	1.67E-13	5.05E-13	2.92E-13	7.62E-14	1.84E-12	1.02E-13	2.01782E-12	2.711E-08	1.4636E-07	1.92E-08	1.39027E-13	2.68124E-13	8.54067E-14	5.49043E-14
587	571590.6	4178639	0.55, 41786	0.33863	0.34937	106.83121	40.48294	14.45913	6.53587	4.8659E-10	3.15E-12	4.9E-10	1.54E-07	3.66E-10	1.54E-07	2.08E-08	1.31E-10	2.09E-08	1.51E-13	4.56E-13	2.64E-13	6.88E-14	1.66E-12	9.17E-14	1.82278E-12	2.449E-08	1.5388E-07	2.09E-08	1.25589E-13	2.42208E-13	7.71516E-14	4.95975E-14
588	570310.6	4178679	0.55, 41786	0.10291	0.0869	88.39628	30.98258	11.04953	4.21243	1.47875E-10	7.85E-13	1.49E-10	1.27E-07	2.80E-10	1.27E-07	1.59E-08	9.98E-11	1.6E-08	4.59E-14	1.39E-13	8.02E-14	2.09E-14	5.05E-13	2.78E-14	5.53298E-13	7.433E-09	1.273E-07	1.6E-08	3.81221E-14	7.35212E-14	2.3419E-14	1.50551E-14
589	570350.6	4178679	0.55, 41786	0.11574	0.09888	93.23081	33.32166	11.65385	4.76024	1.66311E-10	8.93E-13	1.67E-10	1.34E-07	3.01E-10	1.34E-07	1.67E-08	1.05E-10	1.69E-08	5.16E-14	1.56E-13	9.02E-14	2.35E-14	5.68E-13	3.13E-14	6.22317E-13	8.36E-09	1.3427E-07	1.69E-08	4.28775E-14	8.26924E-14	2.63404E-14	1.69331E-14
590	570390.6	4178679	0.55, 41786	0.13137	0.11361	99.39798	36.831	12.42475	5.26157	1.88771E-10	1.03E-12	1.9E-10	1.43E-07	3.33E-10	1.43E-07	1.79E-08	1.12E-10	1.8E-08	5.86E-14	1.77E-13	1.02E-13	2.67E-14	6.44E-13	3.55E-14	7.06403E-13	9.49E-09	1.4316E-07	1.8E-08	4.86711E-14	9.38657E-14	2.98994E-14	1.92211E-14
591	570430.6	4178679	0.55, 41786	0.15074	0.13191	105.99103	39.73692	13.24888	5.6767	2.16604E-10	1.19E-12	2.18E-10	1.52E-07	3.59E-10	1.53E-07	1.9E-08	1.20E-10	1.92E-08	6.72E-14	2.03E-13	1.17E-13	3.06E-14	7.39E-13	4.08E-14	8.10612E-13	1.089E-08	1.5266E-07	1.92E-08	5.5851E-14	1.07713E-13	3.43102E-14	2.20566E-14
592	570470.6	4178679	0.55, 41786	0.17494	0.15487	121.69462	47.75873	15.21183	5.96984	2.51378E-10	1.40E-12	2.53E-10	1.75E-07	4.31E-10	1.75E-07	2.19E-08	1.37E-10	2.2E-08	7.8E-14	2.36E-13	1.36E-13	3.55E-14	8.58E-13	4.73E-14	9.40808E-13	1.264E-08	1.753E-07	2.2E-08	6.48216E-14	1.25013E-13	3.98209E-14	2.55992E-14
593	570510.6	4178679	0.55, 41786	0.2057	0.18414	135.37794	56.46386	16.92224	7.12807	2.95578E-10	1.66E-12	2.97E-10	1.95E-07	5.10E-10	1.95E-07	2.43E-08	1.53E-10	2.45E-08	9.17E-14	2.77E-13	1.6E-13	4.18E-14	1.01E-12	5.57E-14	1.1063E-12	1.486E-08	1.9504E-07	2.45E-08	7.6224E-14	1.47003E-13	4.68256E-14	3.01022E-14
594	570550.6	4178679	0.55, 41786	0.2434	0.22078	142.10791	62.60325	17.76349	9.55219	3.49751E-10	1.99E-12	3.52E-10	2.04E-07	5.65E-10	2.05E-07	2.55E-08	1.60E-10	2.57E-08	1.09E-13	3.28E-13	1.9E-13	4.94E-14	1.19E-12	6.59E-14	1.30916E-12	1.759E-08	2.0477E-07	2.57E-08	9.02007E-14	1.73959E-13	5.54118E-14	3.56219E-14
595	570590.6	4178679	0.55, 41786	0.29132	0.2684	157.44437	70.02377	21.20731	12.01595	4.18609E-10	2.42E-12	4.21E-10	2.26E-07	6.32E-10	2.27E-07	3.05E-08	1.91E-10	3.07E-08	1.3E-13	3.92E-13	2.27E-13	5.92E-14	1.43E-12	7.88E-14	1.56704E-12	2.105E-08	2.2687E-07	3.07E-08	1.07969E-13	2.08226E-13	6.6327E-14	4.26388E-14
596	570630.6	4178679	0.55, 41786	0.34871	0.32823	170.78411	74.6949	24.39773	14.09383	5.01075E-10	2.96E-12	5.04E-10	2.45E-07	6.74E-10	2.46E-07	3.51E-08	2.20E-10	3.53E-08	1.56E-13	4.7E-13	2.72E-13	7.08E-14	1.71E-12	9.44E-14	1.87598E-12	2.52E-08	2.4608E-07	3.53E-08	1.29255E-13	2.49277E-13	7.94033E-14	5.1045E-14
597	570670.6	4178679	0.55, 41786	0.41782	0.40379	181.29369	80.27499	25.8991	15.99045	6.00382E-10	3.65E-12	6.04E-10	2.61E-07	7.25E-10	2.61E-07	3.72E-08	2.34E-10	3.74E-08	1.86E-13	5.63E-13	3.26E-13	8.49E-14	2.05E-12	1.13E-13	2.24813E-12	3.02E-08	2.6123E-07	3.74E-08	1.54896E-13	2.98728E-13	9.5155E-14	6.11711E-14
598	570710.6	4178679	0.55, 41786	0.49876	0.49687	185.88712	90.92914	26.5553	19.21501	7.16687E-10	4.49E-12	7.21E-10	2.67E-07	8.21E-10	2.68E-07	3.82E-08	2.40E-10	3.84E-08	2.23E-13	6.72E-13	3.89E-13	1.01E-13	2.45E-12	1.35E-13	2.68414E-12	3.606E-08	2.6793E-07	3.84E-08	1.84937E-13	3.56664E-13	1.1361E-13	7.30347E-14
599	570750.6	4178679	0.55, 41786	0.59336	0.60818	195.07014	97.11431	27.40212	20.89244	8.52622E-10	5.49E-12	8.58E-10	2.8E-07	8.77E-10	2.81E-07	3.94E-08	2.47E-10	3.96E-08	2.65E-13	8E-13	4.63E-13	1.21E-13	2.91E-12	1.61E-13	3.19381E-12	4.291E-08	2.8118E-07	3.96E-08	2.20053E-13	4.24388E-13	1.35182E-13	8.69029E-14
600	570790.6	4178679	0.55, 41786	0.71288	0.74367	232.56486	100.08812	29.70634	25.09865	1.02436E-09	6.72E-12	1.03E-09	3.34E-07	9.04E-10	3.35E-07	4.27E-08	2.68E-10	4.3E-08	3.18E-13	9.61E-13	5.56E-13	1.45E-13	3.5E-12	1.93E-13	3.83757E-12	5.155E-08	3.3509E-07	4.3E-08	2.64408E-13	5.0993E-13	1.6243E-13	1.0442E-13
601	570830.6	4178679	0.55, 41786	0.82835	0.8948	250.25968	113.32691	36.36599	33.16876	1.19029E-09	8.08E-12	1.2E-09	3.6E-07	1.02E-09	3.61E-07	5.23E-08	3.28E-10	5.26E-08	3.7E-13	1.12E-12	6.46E-13	1.68E-13	4.07E-12	2.24E-13	4.4602E-12	5.992E-08	3.6063E-07	5.26E-08	3.07307E-13	5.92664E-13	1.88784E-13	1.21361E-13
602	570870.6	4178679	0.55, 41786	0.92801	1.04065	269.45277	158.88347	39.41339	35.15016	1.33349E-09	9.40E-12	1.34E-09	3.87E-07	1.43E-09	3.89E-07	5.66E-08	3.56E-10	5.7E-08	4.14E-13	1.25E-12	7.24E-13	1.89E-13	4.56E-12	2.51E-13	4.9981E-12	6.714E-08	3.8862E-07	5.7E-08	3.44368E-13	6.64139E-13	2.11551E-13	1.35997E-13
603	570910.6	4178679	0.55, 41786	1.03394	1.13081	259.70616	144.94226	42.20689	35.5523	1.48571E-09	1.02E-11	1.5E-09	3.73E-07	1.31E-09	3.74E-07	6.06E-08	3.81E-10	6.1E-08	4.62E-13	1.39E-12	8.07E-13	2.1E-13	5.08E-12	2.8E-13	5.56766E-12	7.48E-08	3.7449E-07	6.1E-08	3.83611E-13	7.39821E-13	2.35658E-13	1.51495E-13
604	570950.6	4178679	0.55, 41786	1.05684	1.13643	242.80014	123.49716	39.92153	30.15323	1.51861E-09	1.03E-11	1.53E-09	3.49E-07	1.12E-09	3.5E-07	5.74E-08	3.60E-10	5.77E-08	4.72E-13	1.42E-12	8.25E-13	2.15E-13	5.19E-12	2.86E-13	5.69032E-12	7.644E-08	3.5E-07	5.77E-08	3.92062E-13	7.5612E-13	2.4085E-13	1.54832E-13
605	570990.6	4178679	0.55, 41786	1.01802	1.09421	255.86386	105.93706	37.15781	26.85338	1.46283E-09	9.88E-12	1.47E-09	3.68E-07	9.57E-10	3.69E-07	5.34E-08	3.36E-10	5.37E-08	4.54E-13	1.37E-12	7.94E-13	2.07E-13	5E-12	2.76E-13	5.48129E-12	7.364E-08	3.6862E-07	5.37E-08	3.7766E-13	7.28344E-13	2.32003E-13	1.49145E-13
606	571030.6	4178679	0.55, 41786	0.98373	1.03259	224.24787	96.85684	32.03518	21.71644	1.41356E-09	9.32E-12	1.42E-09	3.22E-07	8.75E-10	3.23E-07	4.6E-08	2.89E-10	4.63E-08	4.39E-13	1.33E-12	7.67E-13	2E-13	4.83E-12	2.66E-13	5.29583E-12	7.114E-08	3.231E-07	4.63E-08	3.64882E-13	7.03701E-13	2.24153E-13	1.44098E-13
607	571070.6	4178679	0.55, 41786	0.92088	0.95493	234.21131	81.25508	29.84103	18.74017	1.32325E-09	8.62E-12	1.33E-09	3.37E-07	7.34E-10	3.37E-07	4.29E-08	2.69E-10	4.31E-08	4.11E-13	1.24E-12	7.18E-13	1.87E-13	4.52E-12	2.49E-13	4.95709E-12	6.659E-08	3.3728E-07	4.31E-08	3.41543E-13	6.58689E-13	2.09815E-13	1.34881E-13
608	571110.6	4178679	0.55, 41786	0.85296	0.87816	249.82687	76.90023	32.83771	18.41049	1.22565E-09	7.93E-12	1.23E-09	3.59E-07	6.94E-10	3.6E-07	4.72E-08	2.97E-10	4.75E-08	3.81E-13	1.15E-12	6.65E-13	1.73E-13	4.19E-12	2.31E-13	4.59126E-12	6.168E-08	3.5968E-07	4.75E-08	3.16337E-13	6.10079E-13	1.94331E-13	1.24927E-13
609	571150.6	4178679	0.55, 41786	0.78449	0.80428	184.12399	71.8753	26.94504	17.68151	1.12726E-09	7.26E-12	1.13E-09	2.65E-07	6.49E-10	2.65E-07	3.87E-08	2.43E-10	3.9E-08	3.5E-13	1.06E-12	6.12E-13	1.59E-13	3.85E-12	2.12E-13	4.22259E-12	5.673E-08	2.6522E-07	3.9E-08	2.90936E-13	5.61091E-13	1.78727E-13	1.14896E-13
610	571190.6	4178679	0.55, 41786	0.70872	0.73542	192.12547	69.23049	27.25383	16.04767	1.01839E-09	6.64E-12	1.03E-09	2.76E-07	6.25E-10	2.77E-07	3.92E-08	2.46E-10	3.94E-08	3.16E-13	9.55E-13	5.53E-13	1.44E-13	3.48E-12	1.92E-13	3.81505E-12	5.125E-08	2.767E-07	3.94E-08	2.62856E-13	5.06937E-13	1.61477E-13	1.03807E-13
611	571230.6	4178679	0.55, 41786	0.64141	0.6715	152.95792	62.82263	21.78847	14.44714	9.21667E-10	6.06E-12	9.28E-10	2.2E-07	5.67E-10	2.2E-07	3.13E-08	1.97E-10	3.15E-08	2.86E-13	8.64E-13	5E-13	1.3E-13	3.15E-12	1.74E-13	3.45292E-12	4.639E-08	2.2036E-07	3.15E-08	2.37906E-13	4.58818E-13	1.46149E-13	9.39531E-14
612	571270.6	4178679	0.55, 41786	0.5854	0.61191	124.65244	57.66905	20.54509	12.75642	8.41184E-10	5.53E-12	8.47E-10	1.79E-07	5.21E-10	1.8E-07	2.95E-08	1.86E-10	2.97E-08	2.61E-13	7.89E-13	4.57E-13	1.19E-13	2.87E-12	1.59E-13	3.15137E-12	4.234E-08	1.7964E-07	2.97E-08	2.17129E-13	4.18748E-13	1.33386E-13	8.57479E-14
613	571310.6	4178679	0.55, 41786	0.53447	0.5582	125.80787	55.1913	17.97255	11.70277	7.68E-10	5.04E-12	7.73E-10	1.81E-07	4.98E-10	1.81E-07	2.58E-08	1.62E-10	2.6E-08	2.39E-13	7.2E-13	4.17E-13	1.09E-13	2.62E-12	1.45E-13	2.87718E-12	3.865E-08	1.8128E-07	2.6E-08	1.98237E-13	3.82315E-13	1.2178E-13	7.82874E-14
614	571350.6	4178679	0.55, 41786	0.48504	0.50906	111.39997	53.56601	13.925	11.19981	6.96973E-10	4.60E-12	7.02E-10	1.6E-07	4.84E-10	1.61E-07	2E-08	1.26E-10	2.01E-08	2.16E-13	6.54E-13	3.78E-13	9.86E-14	2.38E-12	1.31E-13	2.61117E-12	3.508E-08	1.6056E-07	2.01E-08	1.79909E-13	3.46968E-13	1.10521E-13	7.10493E-14
615	571390.6	4178679	0.55, 41786	0.44312	0.4655	107.51836	51.27371	13.43979	10.40254	6.36736E-10	4.20E-12	6.41E-10	1.54E-07	4.63E-10	1.55E-07	1.93E-08	1.21E-10	1.94E-08	1.98E-13	5.97E-13	3.46E-13	9.01E-14	2.18E-12	1.2E-13	2.38551E-12	3.205E-08	1.5496E-07	1.94E-08	1.64361E-13	3.16983E-13	1.0097E-13	6.49092E-14
616	571430.6	4178679	0.55, 41786	0.41031	0.42684	122.12368	48.88835	17.23844	9.36082	5.8959E-10	3.85E-12	5.93E-10	1.75E-07	4.41E-10	1.76E-07	2.48E-08	1.56E-10	2.49E-08	1.83E-13	5.53E-13	3.2E-13	8.34E-14	2.01E-12	1.11E-13	2.20874E-12	2.967E-08	1.7593E-07	2.49E-08	1.52182E-13	2.93494E-13	9.34878E-14	6.00993E-14
617	571470.6	4178679	0.55, 41786	0.38401	0.39267	130.83453	46.56818	18.03085	8.50414	5.51799E-10	3.55E-12	5.55E-10	1.88E-07	4.20E-10	1.88E-07	2.59E-08	1.63E-10	2.61E-08	1.71E-13	5.17E-13	3E-13	7.8E-14	1.88E-12	1.04E-13	2.06694E-12	2.777E-08	1.8842E-07	2.61E-08	1.42412E-13	2.74651E-13	8.74858E-14	5.62408E-14
618	571510.6	4178679	0.55, 41786	0.35733	0.36026	104.69184	43.30646	14.57371	7.68103	5.13461E-10	3.25E-12	5.17E-10	1.5E-07	3.91E-10	1.51E-07	2.09E-08	1.32E-10	2.11E-08	1.59E-13	4.81E-13	2.79E-13	7.26E-14	1.75E-12	9.67E-14	1.92316E-12	2.584E-08	1.5083E-07	2.11E-08	1.32505E-13	2.55546E-13	8.14002E-14	5.23287E-14
619	571550.6	4178679	0.55, 41786	0.32923	0.33046	93.91251	40.06683	13.41607	6.60436	4.73083E-10	2.98E-12	4.76E-10	1.35E-07	3.62E-10	1.35E-07	1.93E-08	1.21E-10	1.94E-08	1.47E-13	4.44E-13	2.57E-13	6.69E-14	1.62E-12	8.91E-14	1.77187E-12	2.38E-08	1.3531E-07	1.94E-08	1.22082E-13	2.35444E-13	7.49969E-14	4.82123E-14
620	571590.6	4178679	0.55, 41786	0.30119	0.30402	90.51235	37.8645	11.49242	5.95997	4.32791E-10	2.75E-12	4.36E-10	1.3E-07	3.42E-10	1.3E-07	1.65E-08	1.04E-10	1.66E-08	1.34E-13	4.06E-13	2.35E-13	6.12E-14	1.48E-12	8.16E-14	1.62102E-12	2.178E-08	1.304E-07	1.66E-08	1.11688E-13	2.15399E-13	6.86119E-14	4.41077E-14
621	570310.6	4178719	0.55, 41787	0.10285	0.08839	86.08959	31.99227	10.7612	4.57032	1.47789E-10	7.98E-13	1.49E-10	1.24E-07	2.89E-10	1.24E-07	1.55E-08	9.72E-11	1.56E-08	4.59E-14	1.38E-13	8.01E-14	2.09E-14	5.04E-13	2.78E-14	5.53027E-13	7.429E-09	1.2399E-07	1.56E-08	3.81035E-14	7.34853E-14	2.34076E-14	1.50477E-14
622	570350.6	4178719	0.55, 41787	0.11563	0.10049	90.6137	34.18211	11.32671	4.88316	1.66153E-10	9.07E-13	1.67E-10	1.3E-07	3.09E-10	1.31E-07	1.63E-08	1.02E-10	1.64E-08	5.16E-14	1.56E-13	9.01E-14	2.35E-14	5.67E-13	3.13E-14	6.21783E-13	8.353E-09	1.3051E-07	1.64E-08	4.28407E-14	8.26214E-14	2.63178E-14	1.69186E-14
623	570390.6	4178719	0.55, 41787	0.13114	0.11521	102.01088	38.97546	12.75136	5.08393	1.8844E-10	1.04E-12	1.89E-10	1.47E-07	3.52E-10	1.47E-07	1.83E-08	1.15E-10	1.84E-08	5.85E-14	1.77E-13	1.02E-13	2.66E-14	6.43E-13	3.55E-14	7.05227E-13	9.474E-09	1.4694E-07	1.84E-08	4.859E-14	9.37094E-14	2.98497E-14	1.91891E-14
624	570430.6	4178719	0.55, 41787	0.15	0.13322	114.28488	46.41789	14.28561	5.80224	2.15541E-10	1.20E-12	2.17E-10	1.64E-07	4.19E-10	1.65E-07	2.05E-08	1.29E-10	2.07E-08	6.69E-14	2.02E-13	1.17E-13	3.05E-14	7.36E-13	4.06E-14	8.06698E-13	1.084E-08	1.6464E-07	2.07E-08	5.55814E-14	1.07193E-13	3.41446E-14	2.19501E-14
625	570470.6	4178719	0.55, 41787	0.17288	0.1553	122.16306	52.59309	15.27038	6.67803	2.48418E-10	1.40E-12	2.5E-10	1.76E-07	4.75E-10	1.76E-07	2.19E-08	1.38E-10	2.21E-08	7.71E-14	2.33E-13	1.35E-13	3.51E-14	8.48E-13	4.68E-14	9.29806E-13	1.249E-08	1.7602E-07	2.21E-08	6.40635E-14	1.23551E-13	3.93552E-14	2.52998E-14
626	570510.6	4178719	0.55, 41787	0.1999	0.18201	126.87173	56.8638	15.85897	8.56143	2.87244E-10	1.64E-12	2.89E-10	1.82E-07	5.13E-10	1.83E-07	2.28E-08	1.43E-10	2.29E-08	8.91E-14	2.69E-13	1.56E-13	4.06E-14	9.81E-13	5.41E-14	1.07521E-12	1.444E-08	1.8282E-07	2.29E-08	7.40818E-14	1.42872E-13	4.55097E-14	2.92562E-14
627	570550.6	4178719	0.55, 41787	0.2328	0.21534	141.7684	62.68438	19.27806	10.36338	3.34519E-10	1.94E-12	3.36E-10	2.04E-07	5.66E-10	2.04E-07	2.77E-08	1.74E-10	2.79E-08	1.04E-13	3.13E-13	1.81E-13	4.73E-14	1.14E-12	6.3E-14	1.25228E-12	1.682E-08	2.0428E-07	2.79E-08	8.62822E-14	1.66401E-13	5.30046E-14	3.40744E-14
628	570590.6	4178719	0.55, 41787	0.2704	0.25529	152.6333	65.86327	21.80476	11.76563	3.88548E-10	2.31E-12	3.91E-10	2.19E-07	5.95E-10	2.2E-07	3.13E-08	1.97E-10	3.15E-08	1.21E-13	3.64E-13	2.11E-13	5.49E-14	1.33E-12	7.32E-14	1.45472E-12	1.954E-08	2.1992E-07	3.15E-08	1.0023E-13	1.933E-13	6.15728E-14	3.95825E-14
629	570630.6	4178719	0.55, 41787	0.31352	0.30328	160.25221	70.5161	22.89317	12.52474	4.50509E-10	2.74E-12	4.53E-10	2.3E-07	6.37E-10	2.31E-07	3.29E-08	2.07E-10	3.31E-08	1.4E-13	4.22E-13	2.44E-13	6.37E-14	1.54E-12	8.49E-14	1.68694E-12	2.266E-08	2.3091E-07	3.31E-08	1.1623E-13	2.24158E-13	7.1402E-14	4.59013E-14
630	570670.6	4178719	0.55, 41787	0.36149	0.3594	159.13882	79.23774	22.73412	14.05012	5.19439E-10	3.25E-12	5.23E-10	2.29E-07	7.15E-10	2.29E-07	3.27E-08	2.05E-10	3.29E-08	1.61E-13	4.87E-13	2.82E-13	7.34E-14	1.77E-12	9.79E-14	1.94538E-12	2.613E-08	2.2939E-07	3.29E-08	1.34036E-13	2.58498E-13	8.23406E-14	5.29333E-14
631	570710.6	4178719	0.55, 41787	0.41184	0.42167	168.39934	82.78202	23.84947	15.22445	5.91789E-10	3.81E-12	5.96E-10	2.42E-07	7.47E-10	2.43E-07	3.43E-08	2.15E-10	3.45E-08	1.84E-13	5.55E-13	3.21E-13	8.37E-14	2.02E-12	1.12E-13	2.21675E-12	2.978E-08	2.4273E-07	3.45E-08	1.52734E-13	2.94558E-13	9.38268E-14	6.03172E-14
632	570750.6	4178719	0.55, 41787	0.46631	0.48852	193.26616	81.97611	24.83922	16.78199	6.70059E-10	4.41E-12	6.74E-10	2.78E-07	7.40E-10	2.78E-07	3.57E-08	2.24E-10	3.59E-08	2.08E-13	6.28E-13	3.64E-13	9.48E-14	2.29E-12	1.26E-13	2.51031E-12	3.372E-08	2.7845E-07	3.59E-08	1.7296E-13	3.33566E-13	1.06252E-13	6.83049E-14
633	570790.6	4178719	0.55, 41787	0.5297	0.5627	208.56721	92.88706	26.09236	23.00092	7.61146E-10	5.08E-12	7.66E-10	3E-07	8.39E-10	3.01E-07	3.75E-08	2.36E-10	3.77E-08	2.36E-13	7.14E-13	4.13E-13	1.08E-13	2.6E-12	1.43E-13	2.85182E-12	3.831E-08	3.0054E-07	3.77E-08	1.9649E-13	3.78945E-13	1.20707E-13	7.75974E-14
634	570830.6	4178719	0.55, 41787	0.58417	0.63922	206.25232	102.59816	28.9378	25.69667	8.39416E-10	5.77E-12	8.45E-10	2.96E-07	9.26E-10	2.97E-07	4.16E-08	2.61E-10	4.18E-08	2.61E-13	7.87E-13	4.56E-13	1.19E-13	2.87E-12	1.58E-13	3.14571E-12	4.226E-08	2.973E-07	4.18E-08	2.16739E-13	4.17996E-13	1.33146E-13	8.55939E-14
635	570870.6	4178719	0.55, 41787	0.63384	0.71183	208.40577	136.85909	28.70976	24.7437	9.10789E-10	6.43E-12	9.17E-10	2.99E-07	1.24E-09	3.01E-07	4.13E-08	2.59E-10	4.15E-08	2.83E-13	8.55E-13	4.95E-13	1.29E-13	3.11E-12	1.72E-13	3.41379E-12	4.586E-08	3.007E-07	4.15E-08	2.3521E-13	4.53618E-13	1.44493E-13	9.28884E-14
636	570910.6	4178719	0.55, 41787	0.68401	0.75343	211.07044	124.31957	30.70854	25.49482	9.8288E-10	6.80E-12	9.9E-10	3.03E-07	1.12E-09	3.04E-07	4.41E-08	2.77E-10	4.44E-08	3.05E-13	9.22E-13	5.34E-13	1.39E-13	3.36E-12	1.85E-13	3.6835E-12	4.948E-08	3.0442E-07	4.44E-08	2.53793E-13	4.89457E-13	1.55909E-13	1.00227E-13
637	570950.6	4178719	0.55, 41787	0.69007	0.76497	207.10313	108.18225	30.79195	24.65468	9.91588E-10	6.91E-12	9.98E-10	2.98E-07	9.77E-10	2.99E-07	4.42E-08	2.78E-10	4.45E-08	3.08E-13	9.3E-13	5.39E-13	1.4E-13	3.39E-12	1.87E-13	3.7163E-12	4.992E-08	2.9857E-07	4.45E-08	2.56053E-13	4.93816E-13	1.57297E-13	1.0112E-13
638	570990.6	4178719	0.55, 41787	0.68048	0.74999	206.58356	95.47159	32.17827	21.60129	9.77808E-10	6.77E-12	9.85E-10	2.97E-07	8.62E-10	2.98E-07	4.62E-08	2.91E-10	4.65E-08	3.04E-13	9.17E-13	5.31E-13	1.38E-13	3.34E-12	1.84E-13	3.66451E-12	4.923E-08	2.9771E-07	4.65E-08	2.52484E-13	4.86934E-13	1.55105E-13	9.97104E-14
639	571030.6	4178719	0.55, 41787	0.66194	0.72353	210.3532	86.11281	30.372	18.42489	9.51167E-10	6.53E-12	9.58E-10	3.02E-07	7.78E-10	3.03E-07	4.36E-08	2.74E-10	4.39E-08	2.96E-13	8.92E-13	5.17E-13	1.35E-13	3.25E-12	1.79E-13	3.56446E-12	4.789E-08	3.0304E-07	4.39E-08	2.45591E-13	4.7364E-13	1.50871E-13	9.69882E-14
640	571070.6	4178719	0.55, 41787	0.64029	0.68839	181.70859	76.31707	22.73215	15.52213	9.20057E-10	6.22E-12	9.26E-10	2.61E-07	6.89E-10	2.62E-07	3.27E-08	2.05E-10	3.29E-08	2.86E-13	8.63E-13	5E-13	1.3E-13	3.14E-12	1.73E-13	3.4475E-12	4.631E-08	2.6179E-07	3.29E-08	2.37532E-13	4.58097E-13	1.4592E-13	9.38055E-14
641	571110.6	4178719	0.55, 41787	0.60626	0.64543	207.95149	70.27092	26.16426	14.32632	8.71158E-10	5.83E-12	8.77E-10	2.99E-07	6.35E-10	2.99E-07	3.76E-08	2.36E-10	3.78E-08	2.71E-13	8.17E-13	4.73E-13	1.23E-13	2.98E-12	1.64E-13	3.26405E-12	4.385E-08	2.9945E-07	3.78E-08	2.24893E-13	4.33722E-13	1.38155E-13	8.88142E-14
642	571150.6	4178719	0.55, 41787	0.57256	0.60327	200.64391	66.12781	25.68735	14.52342	8.22733E-10	5.45E-12	8.28E-10	2.88E-07	5.97E-10	2.89E-07	3.69E-08	2.32E-10	3.71E-08	2.56E-13	7.72E-13	4.47E-13	1.16E-13	2.81E-12	1.55E-13	3.08241E-12	4.141E-08	2.8891E-07	3.71E-08	2.12377E-13	4.09585E-13	1.30467E-13	8.38715E-14
643	571190.6	4178719	0.55, 41787	0.53842	0.56251	154.3512	63.9477	22.19645	14.00077	7.73676E-10	5.08E-12	7.79E-10	2.22E-07	5.77E-10	2.22E-07	3.19E-08	2.00E-10	3.21E-08	2.4E-13	7.26E-13	4.2E-13	1.09E-13	2.64E-12	1.46E-13	2.89845E-12	3.894E-08	2.2237E-07	3.21E-08	1.99703E-13	3.85141E-13	1.22681E-13	7.88661E-14
644	571230.6	4178719	0.55, 41787	0.49735	0.52247	159.72675	60.41971	22.34048	12.75874	7.14661E-10	4.72E-12	7.19E-10	2.3E-07	5.46E-10	2.3E-07	3.21E-08	2.02E-10	3.23E-08	2.22E-13	6.7E-13	3.88E-13	1.01E-13	2.44E-12	1.35E-13	2.67746E-12	3.597E-08	2.3006E-07	3.23E-08	1.84476E-13	3.55776E-13	1.13327E-13	7.2853E-14
645	571270.6	4178719	0.55, 41787	0.45612	0.4836	144.14128	55.22387	20.17616	11.51496	6.55416E-10	4.37E-12	6.6E-10	2.07E-07	4.99E-10	2.08E-07	2.9E-08	1.82E-10	2.92E-08	2.04E-13	6.15E-13	3.56E-13	9.27E-14	2.24E-12	1.24E-13	2.45565E-12	3.299E-08	2.0762E-07	2.92E-08	1.69194E-13	3.26302E-13	1.03938E-13	6.68176E-14
646	571310.6	4178719	0.55, 41787	0.42006	0.44717	118.44349	52.26024	17.97136	10.56882	6.036E-10	4.04E-12	6.08E-10	1.7E-07	4.72E-10	1.71E-07	2.58E-08	1.62E-10	2.6E-08	1.88E-13	5.66E-13	3.28E-13	8.54E-14	2.06E-12	1.14E-13	2.26157E-12	3.038E-08	1.7067E-07	2.6E-08	1.55822E-13	3.00513E-13	9.57238E-14	6.15367E-14
647	571350.6	4178719	0.55, 41787	0.38785	0.41385	109.17018	50.24459	14.07795	10.0186	5.57317E-10	3.74E-12	5.61E-10	1.57E-07	4.54E-10	1.57E-07	2.02E-08	1.27E-10	2.04E-08	1.73E-13	5.23E-13	3.03E-13	7.88E-14	1.9E-12	1.05E-13	2.08818E-12	2.805E-08	1.5732E-07	2.04E-08	1.43876E-13	2.77474E-13	8.83851E-14	5.6819E-14
648	571390.6	4178719	0.55, 41787	0.35875	0.38356	87.70597	48.80309	10.96325	9.64341	5.15502E-10	3.46E-12	5.19E-10	1.26E-07	4.41E-10	1.26E-07	1.58E-08	9.90E-11	1.59E-08	1.6E-13	4.84E-13	2.8E-13	7.29E-14	1.76E-12	9.72E-14	1.93154E-12	2.595E-08	1.2647E-07	1.59E-08	1.33083E-13	2.56659E-13	8.17548E-14	5.25566E-14
649	571430.6	4178719	0.55, 41787	0.33385	0.35563	80.9107	47.09106	11.59229	8.99084	4.79722E-10	3.21E-12	4.83E-10	1.16E-07	4.25E-10	1.17E-07	1.67E-08	1.05E-10	1.68E-08	1.49E-13	4.5E-13	2.6E-13	6.79E-14	1.64E-12	9.04E-14	1.79743E-12	2.415E-08	1.1669E-07	1.68E-08	1.23843E-13	2.38839E-13	7.60785E-14	4.89076E-14
650	571470.6	4178719	0.55, 41787	0.31507	0.33052	111.40642	45.19171	15.57659	8.16367	4.52736E-10	2.98E-12	4.56E-10	1.6E-07	4.08E-10	1.6E-07	2.24E-08	1.41E-10	2.25E-08	1.41E-13	4.25E-13	2.46E-13	6.4E-14	1.55E-12	8.53E-14	1.69615E-12	2.279E-08	1.6049E-07	2.25E-08	1.16864E-13	2.25381E-13	7.17916E-14	4.61517E-14
651	571510.6	4178719	0.55, 41787	0.29891	0.30701	116.70467	43.07153	15.95519	7.46065	4.29515E-10	2.77E-12	4.32E-10	1.68E-07	3.89E-10	1.68E-07	2.29E-08	1.44E-10	2.31E-08	1.33E-13	4.03E-13	2.33E-13	6.07E-14	1.47E-12	8.09E-14	1.60893E-12	2.161E-08	1.6809E-07	2.31E-08	1.10855E-13	2.13792E-13	6.81001E-14	4.37786E-14
652	571550.6	4178719	0.55, 41787	0.28299	0.28542	93.20798	40.2806	12.81909	6.80365	4.06639E-10	2.58E-12	4.09E-10	1.34E-07	3.64E-10	1.34E-07	1.84E-08	1.16E-10	1.85E-08	1.26E-13	3.81E-13	2.21E-13	5.75E-14	1.39E-12	7.66E-14	1.52306E-12	2.046E-08	1.343E-07	1.85E-08	1.04939E-13	2.02382E-13	6.44656E-14	4.14422E-14
653	571590.6	4178719	0.55, 41787	0.2649	0.26495	84.18961	37.57199	12.02709	5.93847	3.80645E-10	2.39E-12	3.83E-10	1.21E-07	3.39E-10	1.21E-07	1.73E-08	1.09E-10	1.74E-08	1.18E-13	3.57E-13	2.07E-13	5.38E-14	1.3E-12	7.17E-14	1.42563E-12	1.915E-08	1.2131E-07	1.74E-08	9.82255E-14	1.89435E-13	6.03415E-14	3.8791E-14
654	570310.6	4178759	0.55, 41787	0.10291	0.08971	86.89901	32.22927	10.86238	4.40505	1.47875E-10	8.10E-13	1.49E-10	1.25E-07	2.91E-10	1.25E-07	1.56E-08	9.81E-11	1.57E-08	4.59E-14	1.39E-13	8.02E-14	2.09E-14	5.05E-13	2.78E-14	5.53392E-13	7.434E-09	1.2516E-07	1.57E-08	3.81286E-14	7.35338E-14	2.3423E-14	1.50577E-14
655	570350.6	4178759	0.55, 41787	0.11544	0.10167	97.89636	38.6449	12.23704	4.83061	1.6588E-10	9.18E-13	1.67E-10	1.41E-07	3.49E-10	1.41E-07	1.76E-08	1.10E-10	1.77E-08	5.15E-14	1.55E-13	9E-14	2.34E-14	5.66E-13	3.12E-14	6.20806E-13	8.34E-09	1.4102E-07	1.77E-08	4.27735E-14	8.24917E-14	2.62764E-14	1.6892E-14
656	570390.6	4178759	0.55, 41787	0.13027	0.11595	105.67733	44.34348	13.20967	5.54293	1.8719E-10	1.05E-12	1.88E-10	1.52E-07	4.00E-10	1.52E-07	1.9E-08	1.19E-10	1.91E-08	5.81E-14	1.75E-13	1.02E-13	2.65E-14	6.39E-13	3.52E-14	7.00599E-13	9.412E-09	1.5225E-07	1.91E-08	4.82712E-14	9.30944E-14	2.96538E-14	1.90631E-14
657	570430.6	4178759	0.55, 41787	0.14773	0.133	109.21499	48.49986	13.65187	6.24447	2.12279E-10	1.20E-12	2.13E-10	1.57E-07	4.38E-10	1.57E-07	1.96E-08	1.23E-10	1.97E-08	6.59E-14	1.99E-13	1.15E-13	3E-14	7.25E-13	4E-14	7.94551E-13	1.067E-08	1.5737E-07	1.97E-08	5.47444E-14	1.05579E-13	3.36304E-14	2.16195E-14
658	570470.6	4178759	0.55, 41787	0.16767	0.15301	117.79795	52.53636	14.72474	7.71399	2.40931E-10	1.38E-12	2.42E-10	1.69E-07	4.74E-10	1.7E-07	2.12E-08	1.33E-10	2.13E-08	7.48E-14	2.26E-13	1.31E-13	3.4E-14	8.22E-13	4.54E-14	9.01865E-13	1.212E-08	1.6974E-07	2.13E-08	6.21384E-14	1.19838E-13	3.81726E-14	2.45395E-14
659	570510.6	4178759	0.55, 41787	0.191	0.17712	128.29828	56.17436	17.6792	9.03197	2.74455E-10	1.60E-12	2.76E-10	1.84E-07	5.07E-10	1.85E-07	2.54E-08	1.60E-10	2.56E-08	8.52E-14	2.57E-13	1.49E-13	3.88E-14	9.37E-13	5.17E-14	1.02745E-12	1.38E-08	1.8486E-07	2.56E-08	7.0791E-14	1.36525E-13	4.3488E-14	2.79566E-14
660	570550.6	4178759	0.55, 41787	0.21672	0.20498	137.63049	58.52483	19.6615	9.95092	3.11413E-10	1.85E-12	3.13E-10	1.98E-07	5.28E-10	1.98E-07	2.83E-08	1.78E-10	2.84E-08	9.67E-14	2.92E-13	1.69E-13	4.4E-14	1.06E-12	5.87E-14	1.16594E-12	1.566E-08	1.9829E-07	2.84E-08	8.03329E-14	1.54928E-13	4.93498E-14	3.17249E-14
661	570590.6	4178759	0.55, 41787	0.24504	0.23724	142.23889	62.68425	20.31984	10.25836	3.52107E-10	2.14E-12	3.54E-10	2.04E-07	5.66E-10	2.05E-07	2.92E-08	1.83E-10	2.94E-08	1.09E-13	3.3E-13	1.91E-13	4.98E-14	1.2E-12	6.63E-14	1.31848E-12	1.771E-08	2.0495E-07	2.94E-08	9.08432E-14	1.75198E-13	5.58064E-14	3.58756E-14
662	570630.6	4178759	0.55, 41787	0.27554	0.27375	139.19636	70.02218	19.61007	11.07526	3.95934E-10	2.47E-12	3.98E-10	2E-07	6.32E-10	2.01E-07	2.82E-08	1.77E-10	2.84E-08	1.23E-13	3.71E-13	2.15E-13	5.6E-14	1.35E-12	7.46E-14	1.48283E-12	1.992E-08	2.0065E-07	2.84E-08	1.02167E-13	1.97035E-13	6.27626E-14	4.03474E-14
663	570670.6	4178759	0.55, 41787	0.30614	0.31293	149.31547	72.47289	21.10931	12.07881	4.39904E-10	2.83E-12	4.43E-10	2.15E-07	6.54E-10	2.15E-07	3.03E-08	1.91E-10	3.05E-08	1.37E-13	4.13E-13	2.39E-13	6.22E-14	1.5E-12	8.29E-14	1.6478E-12	2.214E-08	2.1521E-07	3.05E-08	1.13533E-13	2.18956E-13	6.97451E-14	4.48362E-14
664	570710.6	4178759	0.55, 41787	0.33494	0.35231	164.794	71.08708	21.55176	13.08376	4.81288E-10	3.18E-12	4.84E-10	2.37E-07	6.42E-10	2.37E-07	3.1E-08	1.95E-10	3.12E-08	1.49E-13	4.51E-13	2.61E-13	6.81E-14	1.64E-12	9.07E-14	1.80315E-12	2.422E-08	2.3744E-07	3.12E-08	1.24237E-13	2.39599E-13	7.63205E-14	4.90632E-14
665	570750.6	4178759	0.55, 41787	0.36674	0.3924	179.38877	78.60477	22.4236	16.36841	5.26983E-10	3.54E-12	5.31E-10	2.58E-07	7.10E-10	2.58E-07	3.22E-08	2.02E-10	3.24E-08	1.64E-13	4.94E-13	2.86E-13	7.45E-14	1.8E-12	9.93E-14	1.97456E-12	2.653E-08	2.5848E-07	3.24E-08	1.36047E-13	2.62377E-13	8.3576E-14	5.37274E-14
666	570790.6	4178759	0.55, 41787	0.40357	0.43625	166.36606	82.34558	21.7564	19.87746	5.79905E-10	3.94E-12	5.84E-10	2.39E-07	7.44E-10	2.4E-07	3.13E-08	1.96E-10	3.15E-08	1.8E-13	5.44E-13	3.15E-13	8.2E-14	1.98E-12	1.09E-13	2.17301E-12	2.919E-08	2.398E-07	3.15E-08	1.4972E-13	2.88746E-13	9.19755E-14	5.91271E-14
667	570830.6	4178759	0.55, 41787	0.43354	0.48203	188.6599	98.62945	24.95504	19.43466	6.2297E-10	4.35E-12	6.27E-10	2.71E-07	8.91E-10	2.72E-07	3.59E-08	2.25E-10	3.61E-08	1.94E-13	5.84E-13	3.38E-13	8.81E-14	2.13E-12	1.17E-13	2.33483E-12	3.137E-08	2.7198E-07	3.61E-08	1.6087E-13	3.10249E-13	9.88248E-14	6.35302E-14
668	570870.6	4178759	0.55, 41787	0.46387	0.52331	172.12292	120.25167	21.51536	18.67269	6.66553E-10	4.73E-12	6.71E-10	2.47E-07	1.09E-09	2.48E-07	3.09E-08	1.94E-10	3.11E-08	2.07E-13	6.25E-13	3.62E-13	9.43E-14	2.28E-12	1.26E-13	2.49843E-12	3.356E-08	2.4842E-07	3.11E-08	1.72141E-13	3.31987E-13	1.05749E-13	6.79817E-14
669	570910.6	4178759	0.55, 41787	0.49085	0.54778	176.15826	108.72169	23.43896	19.655	7.05321E-10	4.95E-12	7.1E-10	2.53E-07	9.82E-10	2.54E-07	3.37E-08	2.12E-10	3.39E-08	2.19E-13	6.62E-13	3.83E-13	9.98E-14	2.41E-12	1.33E-13	2.64354E-12	3.551E-08	2.5411E-07	3.39E-08	1.8214E-13	3.5127E-13	1.11891E-13	7.19302E-14
670	570950.6	4178759	0.55, 41787	0.48762	0.55475	180.46301	97.04885	24.36206	20.46933	7.0068E-10	5.01E-12	7.06E-10	2.59E-07	8.76E-10	2.6E-07	3.5E-08	2.20E-10	3.52E-08	2.18E-13	6.58E-13	3.81E-13	9.92E-14	2.4E-12	1.32E-13	2.6265E-12	3.528E-08	2.6019E-07	3.52E-08	1.80966E-13	3.49005E-13	1.1117E-13	7.14666E-14
671	570990.6	4178759	0.55, 41787	0.49051	0.55159	151.23194	87.28492	25.20532	17.38113	7.04833E-10	4.98E-12	7.1E-10	2.17E-07	7.88E-10	2.18E-07	3.62E-08	2.28E-10	3.64E-08	2.19E-13	6.61E-13	3.83E-13	9.97E-14	2.41E-12	1.33E-13	2.64185E-12	3.549E-08	2.181E-07	3.64E-08	1.82023E-13	3.51045E-13	1.1182E-13	7.18842E-14
672	571030.6	4178759	0.55, 41787	0.48428	0.53663	187.58168	78.86438	28.06386	15.68835	6.9588E-10	4.85E-12	7.01E-10	2.7E-07	7.12E-10	2.7E-07	4.03E-08	2.53E-10	4.06E-08	2.16E-13	6.53E-13	3.78E-13	9.85E-14	2.38E-12	1.31E-13	2.60803E-12	3.504E-08	2.7026E-07	4.06E-08	1.79693E-13	3.46551E-13	1.10388E-13	7.09639E-14
673	571070.6	4178759	0.55, 41787	0.467	0.51625	163.79974	72.83551	22.54296	13.46245	6.7105E-10	4.66E-12	6.76E-10	2.35E-07	6.58E-10	2.36E-07	3.24E-08	2.04E-10	3.26E-08	2.09E-13	6.3E-13	3.64E-13	9.49E-14	2.29E-12	1.27E-13	2.51493E-12	3.379E-08	2.3603E-07	3.26E-08	1.73278E-13	3.3418E-13	1.06448E-13	6.84307E-14
674	571110.6	4178759	0.55, 41787	0.44755	0.4933	157.0432	65.36033	19.63651	11.35189	6.43102E-10	4.45E-12	6.48E-10	2.26E-07	5.90E-10	2.26E-07	2.82E-08	1.77E-10	2.84E-08	2E-13	6.03E-13	3.49E-13	9.1E-14	2.2E-12	1.21E-13	2.41014E-12	3.238E-08	2.2625E-07	2.84E-08	1.66058E-13	3.20255E-13	1.02012E-13	6.55793E-14
675	571150.6	4178759	0.55, 41787	0.4302	0.46818	183.98767	62.14189	23.05685	11.54043	6.18171E-10	4.23E-12	6.22E-10	2.64E-07	5.61E-10	2.65E-07	3.31E-08	2.08E-10	3.33E-08	1.92E-13	5.8E-13	3.36E-13	8.75E-14	2.11E-12	1.17E-13	2.3165E-12	3.112E-08	2.6494E-07	3.33E-08	1.59607E-13	3.07813E-13	9.80491E-14	6.30315E-14
676	571190.6	4178759	0.55, 41787	0.41561	0.44245	166.33485	59.4631	21.02615	11.70076	5.97206E-10	4.00E-12	6.01E-10	2.39E-07	5.37E-10	2.4E-07	3.02E-08	1.90E-10	3.04E-08	1.86E-13	5.6E-13	3.24E-13	8.45E-14	2.04E-12	1.13E-13	2.23761E-12	3.006E-08	2.3955E-07	3.04E-08	1.54171E-13	2.9733E-13	9.47098E-14	6.08848E-14
677	571230.6	4178759	0.55, 41787	0.39577	0.41616	133.04594	57.55284	19.00656	11.25795	5.68697E-10	3.76E-12	5.72E-10	1.91E-07	5.20E-10	1.92E-07	2.73E-08	1.72E-10	2.75E-08	1.77E-13	5.33E-13	3.09E-13	8.04E-14	1.94E-12	1.07E-13	2.13062E-12	2.862E-08	1.917E-07	2.75E-08	1.46799E-13	2.83113E-13	9.01812E-14	5.79737E-14
678	571270.6	4178759	0.55, 41787	0.36933	0.38979	133.93343	52.76944	18.49966	10.32502	5.30704E-10	3.52E-12	5.34E-10	1.92E-07	4.76E-10	1.93E-07	2.66E-08	1.67E-10	2.67E-08	1.65E-13	4.98E-13	2.88E-13	7.51E-14	1.81E-12	1E-13	1.98833E-12	2.671E-08	1.9293E-07	2.67E-08	1.36996E-13	2.64206E-13	8.41586E-14	5.4102E-14
679	571310.6	4178759	0.55, 41787	0.3411	0.36413	131.1619	50.25063	18.11843	9.56125	4.9014E-10	3.29E-12	4.93E-10	1.88E-07	4.54E-10	1.89E-07	2.6E-08	1.64E-10	2.62E-08	1.52E-13	4.6E-13	2.66E-13	6.93E-14	1.67E-12	9.24E-14	1.83649E-12	2.467E-08	1.8893E-07	2.62E-08	1.26534E-13	2.44029E-13	7.77317E-14	4.99704E-14
680	571350.6	4178759	0.55, 41787	0.31543	0.34037	103.20737	47.94128	14.62528	9.08266	4.53253E-10	3.07E-12	4.56E-10	1.48E-07	4.33E-10	1.49E-07	2.1E-08	1.32E-10	2.11E-08	1.41E-13	4.25E-13	2.46E-13	6.41E-14	1.55E-12	8.54E-14	1.6984E-12	2.282E-08	1.4874E-07	2.11E-08	1.1702E-13	2.25681E-13	7.18871E-14	4.62131E-14
681	571390.6	4178759	0.55, 41787	0.29206	0.31801	95.20975	46.26011	11.90122	8.7596	4.19672E-10	2.87E-12	4.23E-10	1.37E-07	4.18E-10	1.37E-07	1.71E-08	1.07E-10	1.72E-08	1.3E-13	3.94E-13	2.28E-13	5.94E-14	1.43E-12	7.91E-14	1.57267E-12	2.113E-08	1.3723E-07	1.72E-08	1.08356E-13	2.08973E-13	6.65651E-14	4.27919E-14
682	571430.6	4178759	0.55, 41787	0.27184	0.29676	65.82255	44.97926	8.48847	8.42183	3.90617E-10	2.68E-12	3.93E-10	9.46E-08	4.06E-10	9.5E-08	1.22E-08	7.66E-11	1.23E-08	1.21E-13	3.66E-13	2.12E-13	5.53E-14	1.33E-12	7.36E-14	1.46381E-12	1.966E-08	9.4989E-08	1.23E-08	1.00856E-13	1.94509E-13	6.19577E-14	3.983E-14
683	571470.6	4178759	0.55, 41787	0.25781	0.27877	74.19853	43.62462	10.92817	7.8818	3.70457E-10	2.52E-12	3.73E-10	1.07E-07	3.94E-10	1.07E-07	1.57E-08	9.87E-11	1.58E-08	1.15E-13	3.48E-13	2.01E-13	5.24E-14	1.27E-12	6.98E-14	1.38817E-12	1.865E-08	1.0701E-07	1.58E-08	9.56449E-14	1.84458E-13	5.87562E-14	3.77719E-14
684	571510.6	4178759	0.55, 41787	0.24715	0.26193	102.14842	42.0514	14.2101	7.23025	3.55139E-10	2.37E-12	3.58E-10	1.47E-07	3.80E-10	1.47E-07	2.04E-08	1.28E-10	2.05E-08	1.1E-13	3.33E-13	1.93E-13	5.02E-14	1.21E-12	6.69E-14	1.3306E-12	1.788E-08	1.4716E-07	2.05E-08	9.16778E-14	1.76807E-13	5.63192E-14	3.62052E-14
685	571550.6	4178759	0.55, 41787	0.23772	0.24585	104.82233	40.15762	14.31586	6.66643	3.41589E-10	2.22E-12	3.44E-10	1.51E-07	3.63E-10	1.51E-07	2.06E-08	1.29E-10	2.07E-08	1.06E-13	3.2E-13	1.85E-13	4.83E-14	1.17E-12	6.44E-14	1.27962E-12	1.719E-08	1.5099E-07	2.07E-08	8.81658E-14	1.70034E-13	5.41617E-14	3.48182E-14
686	571590.6	4178759	0.55, 41787	0.22808	0.23097	83.60184	37.747	11.46846	6.12919	3.27737E-10	2.09E-12	3.3E-10	1.2E-07	3.41E-10	1.2E-07	1.65E-08	1.04E-10	1.66E-08	1.02E-13	3.07E-13	1.78E-13	4.63E-14	1.12E-12	6.18E-14	1.22757E-12	1.649E-08	1.2047E-07	1.66E-08	8.45791E-14	1.63117E-13	5.19583E-14	3.34018E-14
687	570310.6	4178799	0.55, 41787	0.10253	0.09048	92.22772	37.68456	11.52846	4.71057	1.47329E-10	8.17E-13	1.48E-10	1.33E-07	3.40E-10	1.33E-07	1.66E-08	1.04E-10	1.67E-08	4.57E-14	1.38E-13	7.99E-14	2.08E-14	5.03E-13	2.77E-14	5.51386E-13	7.407E-09	1.3287E-07	1.67E-08	3.79904E-14	7.32672E-14	2.33381E-14	1.50031E-14
688	570350.6	4178799	0.55, 41787	0.11434	0.10195	96.42289	41.82094	12.05286	5.22762	1.643E-10	9.21E-13	1.65E-10	1.39E-07	3.78E-10	1.39E-07	1.73E-08	1.09E-10	1.74E-08	5.1E-14	1.54E-13	8.91E-14	2.32E-14	5.61E-13	3.09E-14	6.14933E-13	8.261E-09	1.3893E-07	1.74E-08	4.23688E-14	8.17112E-14	2.60278E-14	1.67322E-14
689	570390.6	4178799	0.55, 41787	0.12785	0.11532	96.70849	44.28794	12.08856	5.83168	1.83713E-10	1.04E-12	1.85E-10	1.39E-07	4.00E-10	1.39E-07	1.74E-08	1.09E-10	1.75E-08	5.7E-14	1.72E-13	9.97E-14	2.6E-14	6.27E-13	3.46E-14	6.87635E-13	9.238E-09	1.3936E-07	1.75E-08	4.7378E-14	9.13718E-14	2.91051E-14	1.87104E-14
690	570430.6	4178799	0.55, 41787	0.14288	0.13064	109.4746	48.39009	13.83026	6.97525	2.0531E-10	1.18E-12	2.06E-10	1.57E-07	4.37E-10	1.58E-07	1.99E-08	1.25E-10	2E-08	6.37E-14	1.92E-13	1.11E-13	2.9E-14	7.01E-13	3.87E-14	7.68533E-13	1.032E-08	1.5775E-07	2E-08	5.29518E-14	1.02121E-13	3.25291E-14	2.09116E-14
691	570470.6	4178799	0.55, 41787	0.15993	0.14857	116.3647	50.80214	16.31235	7.92735	2.2981E-10	1.34E-12	2.31E-10	1.67E-07	4.59E-10	1.68E-07	2.34E-08	1.47E-10	2.36E-08	7.13E-14	2.15E-13	1.25E-13	3.25E-14	7.85E-13	4.33E-14	8.60321E-13	1.156E-08	1.6767E-07	2.36E-08	5.9276E-14	1.14318E-13	3.64142E-14	2.34091E-14
692	570510.6	4178799	0.55, 41787	0.17816	0.16871	124.77861	52.11481	17.82552	8.49382	2.56005E-10	1.52E-12	2.58E-10	1.79E-07	4.71E-10	1.8E-07	2.56E-08	1.61E-10	2.58E-08	7.95E-14	2.4E-13	1.39E-13	3.62E-14	8.74E-13	4.82E-14	9.58495E-13	1.288E-08	1.7977E-07	2.58E-08	6.60401E-14	1.27363E-13	4.05695E-14	2.60804E-14
693	570550.6	4178799	0.55, 41787	0.19752	0.19131	126.89522	56.18657	18.12789	8.51005	2.83824E-10	1.73E-12	2.86E-10	1.82E-07	5.07E-10	1.83E-07	2.6E-08	1.64E-10	2.62E-08	8.81E-14	2.66E-13	1.54E-13	4.01E-14	9.69E-13	5.35E-14	1.06279E-12	1.428E-08	1.8285E-07	2.62E-08	7.32264E-14	1.41222E-13	4.49841E-14	2.89184E-14
694	570590.6	4178799	0.55, 41787	0.21773	0.21627	122.68072	62.5324	17.14296	9.80776	3.12865E-10	1.95E-12	3.15E-10	1.76E-07	5.65E-10	1.77E-07	2.46E-08	1.55E-10	2.48E-08	9.71E-14	2.93E-13	1.7E-13	4.42E-14	1.07E-12	5.89E-14	1.17172E-12	1.574E-08	1.7685E-07	2.48E-08	8.07313E-14	1.55696E-13	4.95945E-14	3.18822E-14
695	570630.6	4178799	0.55, 41787	0.23771	0.24268	133.9153	64.36556	18.95021	10.72759	3.41575E-10	2.19E-12	3.44E-10	1.92E-07	5.81E-10	1.93E-07	2.72E-08	1.71E-10	2.74E-08	1.06E-13	3.2E-13	1.85E-13	4.83E-14	1.17E-12	6.44E-14	1.27946E-12	1.719E-08	1.9301E-07	2.74E-08	8.81548E-14	1.70013E-13	5.41549E-14	3.48139E-14
696	570670.6	4178799	0.55, 41787	0.25595	0.26895	141.94782	63.09907	19.13844	10.57117	3.67784E-10	2.43E-12	3.7E-10	2.04E-07	5.70E-10	2.05E-07	2.75E-08	1.73E-10	2.77E-08	1.14E-13	3.45E-13	2E-13	5.2E-14	1.26E-12	6.93E-14	1.3779E-12	1.851E-08	2.0454E-07	2.77E-08	9.49368E-14	1.83092E-13	5.83212E-14	3.74922E-14
697	570710.6	4178799	0.55, 41787	0.27273	0.29382	157.12572	66.69563	19.64072	11.93189	3.91896E-10	2.65E-12	3.95E-10	2.26E-07	6.02E-10	2.26E-07	2.82E-08	1.77E-10	2.84E-08	1.22E-13	3.68E-13	2.13E-13	5.54E-14	1.34E-12	7.39E-14	1.46847E-12	1.973E-08	2.2638E-07	2.84E-08	1.01178E-13	1.95128E-13	6.2155E-14	3.99568E-14
698	570750.6	4178799	0.55, 41787	0.29355	0.31916	152.65771	72.44297	19.08221	15.18472	4.21813E-10	2.88E-12	4.25E-10	2.19E-07	6.54E-10	2.2E-07	2.74E-08	1.72E-10	2.76E-08	1.31E-13	3.96E-13	2.29E-13	5.97E-14	1.44E-12	7.95E-14	1.58067E-12	2.123E-08	2.2001E-07	2.76E-08	1.08908E-13	2.10037E-13	6.6904E-14	4.30097E-14
699	570790.6	4178799	0.55, 41787	0.31688	0.34759	157.73005	72.26845	20.13646	16.34526	4.55337E-10	3.14E-12	4.58E-10	2.27E-07	6.53E-10	2.27E-07	2.89E-08	1.82E-10	2.91E-08	1.41E-13	4.27E-13	2.47E-13	6.44E-14	1.56E-12	8.58E-14	1.7064E-12	2.292E-08	2.273E-07	2.91E-08	1.17571E-13	2.26744E-13	7.22256E-14	4.64308E-14
700	570830.6	4178799	0.55, 41787	0.33524	0.37796	162.23746	94.66133	21.09567	14.73083	4.81719E-10	3.41E-12	4.85E-10	2.33E-07	8.55E-10	2.34E-07	3.03E-08	1.90E-10	3.05E-08	1.5E-13	4.52E-13	2.62E-13	6.82E-14	1.65E-12	9.08E-14	1.80561E-12	2.426E-08	2.3398E-07	3.05E-08	1.24406E-13	2.39927E-13	7.64249E-14	4.91303E-14
701	570870.6	4178799	0.55, 41787	0.35595	0.40358	158.80625	107.46352	19.85078	16.70272	5.11478E-10	3.64E-12	5.15E-10	2.28E-07	9.70E-10	2.29E-07	2.85E-08	1.79E-10	2.87E-08	1.59E-13	4.8E-13	2.78E-13	7.24E-14	1.75E-12	9.65E-14	1.91723E-12	2.576E-08	2.2917E-07	2.87E-08	1.32097E-13	2.54759E-13	8.11494E-14	5.21675E-14
702	570910.6	4178799	0.55, 41787	0.3676	0.41723	150.41188	96.98395	18.80149	15.72408	5.28219E-10	3.77E-12	5.32E-10	2.16E-07	8.76E-10	2.17E-07	2.7E-08	1.70E-10	2.72E-08	1.64E-13	4.96E-13	2.87E-13	7.48E-14	1.81E-12	9.96E-14	1.98E-12	2.66E-08	2.1701E-07	2.72E-08	1.36422E-13	2.63099E-13	8.3806E-14	5.38753E-14
703	570950.6	4178799	0.55, 41787	0.34637	0.40141	159.46188	87.41269	19.93273	16.48069	4.97712E-10	3.62E-12	5.01E-10	2.29E-07	7.89E-10	2.3E-07	2.86E-08	1.80E-10	2.88E-08	1.55E-13	4.67E-13	2.7E-13	7.04E-14	1.7E-12	9.39E-14	1.86593E-12	2.507E-08	2.2993E-07	2.88E-08	1.28562E-13	2.47941E-13	7.89777E-14	5.07714E-14
704	570990.6	4178799	0.55, 41787	0.35579	0.40756	119.48057	79.68844	17.5796	14.60553	5.11248E-10	3.68E-12	5.15E-10	1.72E-07	7.20E-10	1.72E-07	2.53E-08	1.59E-10	2.54E-08	1.59E-13	4.8E-13	2.78E-13	7.24E-14	1.75E-12	9.64E-14	1.91651E-12	2.575E-08	1.7241E-07	2.54E-08	1.32047E-13	2.54663E-13	8.11189E-14	5.21478E-14
705	571030.6	4178799	0.55, 41787	0.37225	0.416	155.14917	72.93395	24.86673	12.948	5.349E-10	3.76E-12	5.39E-10	2.23E-07	6.59E-10	2.24E-07	3.57E-08	2.25E-10	3.6E-08	1.66E-13	5.02E-13	2.91E-13	7.57E-14	1.83E-12	1.01E-13	2.00483E-12	2.693E-08	2.236E-07	3.6E-08	1.38132E-13	2.66398E-13	8.48569E-14	5.45508E-14
706	571070.6	4178799	0.55, 41787	0.3594	0.40135	158.59146	67.81733	22.65592	11.74555	5.16436E-10	3.62E-12	5.2E-10	2.28E-07	6.12E-10	2.28E-07	3.26E-08	2.05E-10	3.28E-08	1.6E-13	4.85E-13	2.81E-13	7.31E-14	1.77E-12	9.74E-14	1.93561E-12	2.6E-08	2.285E-07	3.28E-08	1.33363E-13	2.57201E-13	8.19272E-14	5.26675E-14
707	571110.6	4178799	0.55, 41787	0.34191	0.38638	133.9595	62.41991	16.74494	10.40332	4.91304E-10	3.49E-12	4.95E-10	1.92E-07	5.64E-10	1.93E-07	2.41E-08	1.51E-10	2.42E-08	1.53E-13	4.61E-13	2.67E-13	6.95E-14	1.68E-12	9.26E-14	1.84157E-12	2.474E-08	1.9306E-07	2.42E-08	1.26884E-13	2.44704E-13	7.79468E-14	5.01086E-14
708	571150.6	4178799	0.55, 41787	0.32926	0.37153	140.52662	58.47073	17.56829	9.74512	4.73126E-10	3.35E-12	4.76E-10	2.02E-07	5.28E-10	2.02E-07	2.52E-08	1.59E-10	2.54E-08	1.47E-13	4.44E-13	2.57E-13	6.7E-14	1.62E-12	8.92E-14	1.77341E-12	2.382E-08	2.0246E-07	2.54E-08	1.22188E-13	2.35648E-13	7.50621E-14	4.82542E-14
709	571190.6	4178799	0.55, 41787	0.32393	0.35615	162.80337	55.99612	20.37225	9.46414	4.65467E-10	3.22E-12	4.69E-10	2.34E-07	5.06E-10	2.34E-07	2.93E-08	1.84E-10	2.95E-08	1.45E-13	4.37E-13	2.53E-13	6.59E-14	1.59E-12	8.78E-14	1.74439E-12	2.343E-08	2.3444E-07	2.95E-08	1.20188E-13	2.31792E-13	7.38337E-14	4.74645E-14
710	571230.6	4178799	0.55, 41787	0.31732	0.33876	141.0743	54.42569	17.72831	9.52966	4.55969E-10	3.06E-12	4.59E-10	2.03E-07	4.91E-10	2.03E-07	2.55E-08	1.60E-10	2.56E-08	1.42E-13	4.28E-13	2.48E-13	6.45E-14	1.56E-12	8.59E-14	1.70846E-12	2.295E-08	2.0321E-07	2.56E-08	1.17712E-13	2.27017E-13	7.23127E-14	4.64867E-14
711	571270.6	4178799	0.55, 41787	0.30415	0.32027	116.54381	51.24633	16.64912	9.13765	4.37045E-10	2.89E-12	4.4E-10	1.67E-07	4.63E-10	1.68E-07	2.39E-08	1.50E-10	2.41E-08	1.36E-13	4.1E-13	2.37E-13	6.18E-14	1.49E-12	8.24E-14	1.6374E-12	2.2E-08	1.6793E-07	2.41E-08	1.12817E-13	2.17575E-13	6.93051E-14	4.45533E-14
712	571310.6	4178799	0.55, 41787	0.28608	0.30211	111.77517	48.08718	15.28029	8.60329	4.11079E-10	2.73E-12	4.14E-10	1.61E-07	4.34E-10	1.61E-07	2.2E-08	1.38E-10	2.21E-08	1.28E-13	3.86E-13	2.23E-13	5.81E-14	1.4E-12	7.75E-14	1.54015E-12	2.069E-08	1.6105E-07	2.21E-08	1.06116E-13	2.04652E-13	6.51888E-14	4.19071E-14
713	571350.6	4178799	0.55, 41787	0.26522	0.28423	116.94553	46.1941	15.97517	8.23917	3.81105E-10	2.57E-12	3.84E-10	1.68E-07	4.17E-10	1.68E-07	2.3E-08	1.44E-10	2.31E-08	1.18E-13	3.57E-13	2.07E-13	5.39E-14	1.3E-12	7.18E-14	1.42799E-12	1.918E-08	1.6846E-07	2.31E-08	9.8388E-14	1.89748E-13	6.04414E-14	3.88552E-14
714	571390.6	4178799	0.55, 41787	0.24309	0.26586	101.64822	44.37475	13.96186	7.97488	3.49305E-10	2.40E-12	3.52E-10	1.46E-07	4.01E-10	1.46E-07	2.01E-08	1.26E-10	2.02E-08	1.09E-13	3.28E-13	1.9E-13	4.94E-14	1.19E-12	6.59E-14	1.30901E-12	1.759E-08	1.4646E-07	2.02E-08	9.01909E-14	1.7394E-13	5.54057E-14	3.5618E-14
715	571430.6	4178799	0.55, 41787	0.22645	0.25105	78.66707	42.96369	10.22882	7.75525	3.25395E-10	2.27E-12	3.28E-10	1.13E-07	3.88E-10	1.13E-07	1.47E-08	9.24E-11	1.48E-08	1.01E-13	3.05E-13	1.77E-13	4.6E-14	1.11E-12	6.14E-14	1.21952E-12	1.638E-08	1.1343E-07	1.48E-08	8.4025E-14	1.62048E-13	5.16179E-14	3.31829E-14
716	571470.6	4178799	0.55, 41787	0.21325	0.23694	47.64153	41.84289	7.70461	7.45296	3.06427E-10	2.14E-12	3.09E-10	6.85E-08	3.78E-10	6.88E-08	1.11E-08	6.96E-11	1.11E-08	9.52E-14	2.87E-13	1.66E-13	4.34E-14	1.05E-12	5.78E-14	1.14845E-12	1.543E-08	6.8836E-08	1.11E-08	7.91283E-14	1.52605E-13	4.86098E-14	3.12492E-14
717	571510.6	4178799	0.55, 41787	0.20623	0.22585	71.44774	40.73398	10.29216	7.00806	2.9634E-10	2.04E-12	2.98E-10	1.03E-07	3.68E-10	1.03E-07	1.48E-08	9.29E-11	1.49E-08	9.21E-14	2.78E-13	1.61E-13	4.19E-14	1.01E-12	5.59E-14	1.11054E-12	1.492E-08	1.0303E-07	1.49E-08	7.65159E-14	1.47566E-13	4.70049E-14	3.02175E-14
718	571550.6	4178799	0.55, 41787	0.19818	0.21228	94.10249	39.35835	13.01678	6.4744	2.84772E-10	1.92E-12	2.87E-10	1.35E-07	3.55E-10	1.36E-07	1.87E-08	1.18E-10	1.88E-08	8.85E-14	2.67E-13	1.55E-13	4.03E-14	9.73E-13	5.37E-14	1.06703E-12	1.433E-08	1.3557E-07	1.88E-08	7.35181E-14	1.41785E-13	4.51634E-14	2.90336E-14
719	571590.6	4178799	0.55, 41787	0.19254	0.20073	94.76849	37.66806	12.95063	6.01952	2.76668E-10	1.81E-12	2.78E-10	1.36E-07	3.40E-10	1.37E-07	1.86E-08	1.17E-10	1.87E-08	8.59E-14	2.59E-13	1.5E-13	3.91E-14	9.45E-13	5.21E-14	1.03648E-12	1.392E-08	1.3652E-07	1.87E-08	7.14131E-14	1.37725E-13	4.38702E-14	2.82023E-14
720	570310.6	4178839	0.55, 41788	0.10118	0.0904	86.93136	38.98232	10.86642	4.87279	1.45389E-10	8.16E-13	1.46E-10	1.25E-07	3.52E-10	1.25E-07	1.56E-08	9.81E-11	1.57E-08	4.51E-14	1.36E-13	7.89E-14	2.05E-14	4.96E-13	2.74E-14	5.44163E-13	7.31E-09	1.2527E-07	1.57E-08	3.74927E-14	7.23074E-14	2.30324E-14	1.48065E-14
721	570350.6	4178839	0.55, 41788	0.1118	0.10104	92.10266	41.60712	11.51283	5.43734	1.6065E-10	9.12E-13	1.62E-10	1.32E-07	3.76E-10	1.33E-07	1.65E-08	1.04E-10	1.66E-08	4.99E-14	1.51E-13	8.71E-14	2.27E-14	5.48E-13	3.03E-14	6.01318E-13	8.078E-09	1.3272E-07	1.66E-08	4.14307E-14	7.99021E-14	2.54516E-14	1.63617E-14
722	570390.6	4178839	0.55, 41788	0.12335	0.11299	101.58992	44.39945	13.097	6.32134	1.77246E-10	1.02E-12	1.78E-10	1.46E-07	4.01E-10	1.46E-07	1.88E-08	1.18E-10	1.89E-08	5.5E-14	1.66E-13	9.62E-14	2.5E-14	6.05E-13	3.34E-14	6.6349E-13	8.913E-09	1.4638E-07	1.89E-08	4.57144E-14	8.81635E-14	2.80831E-14	1.80534E-14
723	570430.6	4178839	0.55, 41788	0.13612	0.12663	105.75261	46.22171	15.10752	6.99394	1.95596E-10	1.14E-12	1.97E-10	1.52E-07	4.17E-10	1.52E-07	2.17E-08	1.36E-10	2.18E-08	6.07E-14	1.83E-13	1.06E-13	2.76E-14	6.68E-13	3.68E-14	7.32245E-13	9.837E-09	1.5238E-07	2.18E-08	5.04515E-14	9.72994E-14	3.09932E-14	1.99242E-14
724	570470.6	4178839	0.55, 41788	0.14941	0.1416	113.55911	47.52324	16.22273	7.30549	2.14693E-10	1.28E-12	2.16E-10	1.63E-07	4.29E-10	1.64E-07	2.33E-08	1.46E-10	2.35E-08	6.66E-14	2.01E-13	1.16E-13	3.03E-14	7.33E-13	4.04E-14	8.03824E-13	1.08E-08	1.6361E-07	2.35E-08	5.53834E-14	1.06811E-13	3.40229E-14	2.18719E-14
725	570510.6	4178839	0.55, 41788	0.16314	0.158	114.44641	50.69094	16.21485	7.16417	2.34422E-10	1.43E-12	2.36E-10	1.64E-07	4.58E-10	1.65E-07	2.33E-08	1.46E-10	2.34E-08	7.28E-14	2.2E-13	1.27E-13	3.31E-14	8.01E-13	4.42E-14	8.77806E-13	1.179E-08	1.6491E-07	2.34E-08	6.04807E-14	1.16641E-13	3.71543E-14	2.38849E-14
726	570550.6	4178839	0.55, 41788	0.17704	0.17576	109.2842	56.30775	15.45924	8.75778	2.54396E-10	1.59E-12	2.56E-10	1.57E-07	5.08E-10	1.58E-07	2.22E-08	1.40E-10	2.24E-08	7.9E-14	2.39E-13	1.38E-13	3.6E-14	8.69E-13	4.79E-14	9.52742E-13	1.28E-08	1.5754E-07	2.24E-08	6.56438E-14	1.26599E-13	4.0326E-14	2.59239E-14
727	570590.6	4178839	0.55, 41788	0.1907	0.19445	121.04262	57.73789	17.123	9.62298	2.74024E-10	1.76E-12	2.76E-10	1.74E-07	5.21E-10	1.74E-07	2.46E-08	1.55E-10	2.48E-08	8.51E-14	2.57E-13	1.49E-13	3.88E-14	9.36E-13	5.16E-14	1.02643E-12	1.379E-08	1.7445E-07	2.48E-08	7.07206E-14	1.3639E-13	4.34448E-14	2.79288E-14
728	570630.6	4178839	0.55, 41788	0.20316	0.21304	125.84874	56.85617	17.26057	9.47603	2.91928E-10	1.92E-12	2.94E-10	1.81E-07	5.13E-10	1.81E-07	2.48E-08	1.56E-10	2.5E-08	9.07E-14	2.74E-13	1.58E-13	4.13E-14	9.97E-13	5.5E-14	1.09369E-12	1.469E-08	1.8135E-07	2.5E-08	7.53549E-14	1.45327E-13	4.62918E-14	2.9759E-14
729	570670.6	4178839	0.55, 41788	0.21386	0.23043	138.80556	56.19819	17.35069	9.51337	3.07304E-10	2.08E-12	3.09E-10	1.99E-07	5.07E-10	2E-07	2.49E-08	1.57E-10	2.51E-08	9.55E-14	2.88E-13	1.67E-13	4.35E-14	1.05E-12	5.79E-14	1.1515E-12	1.547E-08	1.9996E-07	2.51E-08	7.9338E-14	1.53009E-13	4.87386E-14	3.1332E-14
730	570710.6	4178839	0.55, 41788	0.22462	0.24643	139.69865	64.11019	17.46233	11.64998	3.22765E-10	2.23E-12	3.25E-10	2.01E-07	5.79E-10	2.01E-07	2.51E-08	1.58E-10	2.52E-08	1E-13	3.03E-13	1.75E-13	4.57E-14	1.1E-12	6.09E-14	1.20958E-12	1.625E-08	2.0132E-07	2.52E-08	8.334E-14	1.60727E-13	5.11971E-14	3.29124E-14
731	570750.6	4178839	0.55, 41788	0.23931	0.26333	129.30344	65.03758	16.25667	13.35444	3.43874E-10	2.38E-12	3.46E-10	1.86E-07	5.87E-10	1.86E-07	2.34E-08	1.47E-10	2.35E-08	1.07E-13	3.23E-13	1.87E-13	4.87E-14	1.18E-12	6.48E-14	1.28871E-12	1.731E-08	1.8639E-07	2.35E-08	8.87922E-14	1.71242E-13	5.45465E-14	3.50656E-14
732	570790.6	4178839	0.55, 41788	0.2546	0.28325	148.04332	66.52984	18.88746	13.10425	3.65844E-10	2.56E-12	3.68E-10	2.13E-07	6.01E-10	2.13E-07	2.71E-08	1.71E-10	2.73E-08	1.14E-13	3.43E-13	1.99E-13	5.18E-14	1.25E-12	6.9E-14	1.37116E-12	1.842E-08	2.1333E-07	2.73E-08	9.44724E-14	1.82197E-13	5.8036E-14	3.73088E-14
733	570830.6	4178839	0.55, 41788	0.26766	0.30497	136.3658	90.38201	17.19519	14.05196	3.84611E-10	2.75E-12	3.87E-10	1.96E-07	8.16E-10	1.97E-07	2.47E-08	1.55E-10	2.49E-08	1.2E-13	3.61E-13	2.09E-13	5.44E-14	1.31E-12	7.25E-14	1.44173E-12	1.937E-08	1.9677E-07	2.49E-08	9.93352E-14	1.91575E-13	6.10232E-14	3.92292E-14
734	570870.6	4178839	0.55, 41788	0.28248	0.32215	145.76117	97.26265	18.22015	15.13016	4.05906E-10	2.91E-12	4.09E-10	2.09E-07	8.78E-10	2.1E-07	2.62E-08	1.65E-10	2.63E-08	1.26E-13	3.81E-13	2.21E-13	5.74E-14	1.39E-12	7.65E-14	1.52157E-12	2.044E-08	2.1033E-07	2.63E-08	1.04836E-13	2.02184E-13	6.44024E-14	4.14015E-14
735	570910.6	4178839	0.55, 41788	0.28799	0.33135	130.6935	87.1686	16.33669	13.50967	4.13824E-10	2.99E-12	4.17E-10	1.88E-07	7.87E-10	1.89E-07	2.35E-08	1.48E-10	2.36E-08	1.29E-13	3.88E-13	2.25E-13	5.86E-14	1.41E-12	7.8E-14	1.55135E-12	2.084E-08	1.8859E-07	2.36E-08	1.06888E-13	2.0614E-13	6.56628E-14	4.22118E-14
736	570950.6	4178839	0.55, 41788	0.28758	0.33724	143.26415	81.64199	17.90802	13.93242	4.13235E-10	3.05E-12	4.16E-10	2.06E-07	7.37E-10	2.07E-07	2.57E-08	1.62E-10	2.59E-08	1.28E-13	3.88E-13	2.25E-13	5.85E-14	1.41E-12	7.79E-14	1.54935E-12	2.081E-08	2.066E-07	2.59E-08	1.0675E-13	2.05875E-13	6.55783E-14	4.21575E-14
737	570990.6	4178839	0.55, 41788	0.28844	0.33412	115.42228	74.82901	15.11344	13.01217	4.1447E-10	3.02E-12	4.17E-10	1.66E-07	6.76E-10	1.67E-07	2.17E-08	1.36E-10	2.19E-08	1.29E-13	3.89E-13	2.25E-13	5.87E-14	1.42E-12	7.82E-14	1.55385E-12	2.087E-08	1.6653E-07	2.19E-08	1.0706E-13	2.06472E-13	6.57686E-14	4.22798E-14
738	571030.6	4178839	0.55, 41788	0.29049	0.32848	122.60648	67.85889	20.43441	11.21527	4.17416E-10	2.97E-12	4.2E-10	1.76E-07	6.13E-10	1.77E-07	2.94E-08	1.85E-10	2.95E-08	1.3E-13	3.92E-13	2.27E-13	5.91E-14	1.43E-12	7.87E-14	1.56462E-12	2.102E-08	1.7679E-07	2.95E-08	1.07802E-13	2.07904E-13	6.62246E-14	4.2573E-14
739	571070.6	4178839	0.55, 41788	0.28682	0.32211	145.80556	62.69899	22.09774	10.44682	4.12143E-10	2.91E-12	4.15E-10	2.1E-07	5.66E-10	2.1E-07	3.18E-08	2.00E-10	3.2E-08	1.28E-13	3.87E-13	2.24E-13	5.83E-14	1.41E-12	7.77E-14	1.54478E-12	2.075E-08	2.1008E-07	3.2E-08	1.06435E-13	2.05268E-13	6.53848E-14	4.20331E-14
740	571110.6	4178839	0.55, 41788	0.272	0.3104	131.09883	59.8466	17.36249	9.97443	3.90847E-10	2.80E-12	3.94E-10	1.88E-07	5.40E-10	1.89E-07	2.49E-08	1.57E-10	2.51E-08	1.21E-13	3.67E-13	2.12E-13	5.53E-14	1.34E-12	7.37E-14	1.46513E-12	1.968E-08	1.8892E-07	2.51E-08	1.00947E-13	1.94683E-13	6.20134E-14	3.98657E-14
741	571150.6	4178839	0.55, 41788	0.26	0.30055	99.99815	55.57889	12.49977	9.26315	3.73604E-10	2.71E-12	3.76E-10	1.44E-07	5.02E-10	1.44E-07	1.8E-08	1.13E-10	1.81E-08	1.16E-13	3.51E-13	2.03E-13	5.29E-14	1.28E-12	7.05E-14	1.40062E-12	1.882E-08	1.4419E-07	1.81E-08	9.65023E-14	1.86112E-13	5.92829E-14	3.81105E-14
742	571190.6	4178839	0.55, 41788	0.2552	0.29099	127.82601	53.11626	15.97966	8.85271	3.66707E-10	2.63E-12	3.69E-10	1.84E-07	4.80E-10	1.84E-07	2.3E-08	1.44E-10	2.31E-08	1.14E-13	3.44E-13	1.99E-13	5.19E-14	1.25E-12	6.92E-14	1.37462E-12	1.847E-08	1.8416E-07	2.31E-08	9.47115E-14	1.82658E-13	5.81828E-14	3.74032E-14
743	571230.6	4178839	0.55, 41788	0.25406	0.28009	144.46225	51.51588	18.06666	8.58598	3.65069E-10	2.53E-12	3.68E-10	2.08E-07	4.65E-10	2.08E-07	2.6E-08	1.63E-10	2.61E-08	1.13E-13	3.43E-13	1.98E-13	5.17E-14	1.25E-12	6.88E-14	1.36816E-12	1.838E-08	2.0805E-07	2.61E-08	9.42661E-14	1.81799E-13	5.79092E-14	3.72274E-14
744	571270.6	4178839	0.55, 41788	0.2507	0.26766	121.82335	49.56018	15.26733	8.26003	3.6024E-10	2.42E-12	3.63E-10	1.75E-07	4.48E-10	1.76E-07	2.19E-08	1.38E-10	2.21E-08	1.12E-13	3.38E-13	1.96E-13	5.1E-14	1.23E-12	6.79E-14	1.34977E-12	1.813E-08	1.755E-07	2.21E-08	9.29992E-14	1.79356E-13	5.71309E-14	3.6727E-14
745	571310.6	4178839	0.55, 41788	0.24184	0.25433	103.21026	44.65355	14.74432	7.58702	3.47509E-10	2.30E-12	3.5E-10	1.48E-07	4.03E-10	1.49E-07	2.12E-08	1.33E-10	2.13E-08	1.08E-13	3.26E-13	1.89E-13	4.92E-14	1.19E-12	6.55E-14	1.30194E-12	1.749E-08	1.4871E-07	2.13E-08	8.97036E-14	1.73E-13	5.51064E-14	3.54255E-14
746	571350.6	4178839	0.55, 41788	0.22797	0.24079	99.0464	44.12829	14.35742	7.39344	3.27579E-10	2.17E-12	3.3E-10	1.42E-07	3.98E-10	1.43E-07	2.06E-08	1.30E-10	2.08E-08	1.02E-13	3.07E-13	1.78E-13	4.63E-14	1.12E-12	6.17E-14	1.22731E-12	1.649E-08	1.4272E-07	2.08E-08	8.45613E-14	1.63083E-13	5.19474E-14	3.33948E-14
747	571390.6	4178839	0.55, 41788	0.21103	0.22733	102.76287	42.76623	13.91866	7.25999	3.03237E-10	2.05E-12	3.05E-10	1.48E-07	3.86E-10	1.48E-07	2E-08	1.26E-10	2.01E-08	9.42E-14	2.84E-13	1.65E-13	4.29E-14	1.04E-12	5.72E-14	1.13626E-12	1.526E-08	1.4805E-07	2.01E-08	7.8288E-14	1.50984E-13	4.80936E-14	3.09173E-14
748	571430.6	4178839	0.55, 41788	0.19469	0.21494	96.70075	41.37793	13.13698	7.12068	2.79758E-10	1.94E-12	2.82E-10	1.39E-07	3.74E-10	1.39E-07	1.89E-08	1.19E-10	1.9E-08	8.69E-14	2.62E-13	1.52E-13	3.96E-14	9.56E-13	5.27E-14	1.04845E-12	1.408E-08	1.3933E-07	1.9E-08	7.22383E-14	1.39317E-13	4.43771E-14	2.85282E-14
749	571470.6	4178839	0.55, 41788	0.18137	0.20392	77.02264	40.18933	10.5662	6.94319	2.60617E-10	1.84E-12	2.62E-10	1.11E-07	3.63E-10	1.11E-07	1.52E-08	9.54E-11	1.53E-08	8.1E-14	2.45E-13	1.42E-13	3.69E-14	8.91E-13	4.91E-14	9.76845E-13	1.312E-08	1.1104E-07	1.53E-08	6.73045E-14	1.29802E-13	4.13463E-14	2.65797E-14
750	571510.6	4178839	0.55, 41788	0.17253	0.19446	52.60803	39.21497	7.34906	6.67327	2.47915E-10	1.76E-12	2.5E-10	7.56E-08	3.54E-10	7.59E-08	1.06E-08	6.64E-11	1.06E-08	7.7E-14	2.33E-13	1.35E-13	3.51E-14	8.47E-13	4.67E-14	9.2925E-13	1.248E-08	7.5949E-08	1.06E-08	6.40252E-14	1.23477E-13	3.93317E-14	2.52847E-14
751	571550.6	4178839	0.55, 41788	0.16797	0.18619	68.59481	38.25365	9.65516	6.29212	2.41363E-10	1.68E-12	2.43E-10	9.86E-08	3.45E-10	9.89E-08	1.39E-08	8.72E-11	1.4E-08	7.5E-14	2.26E-13	1.31E-13	3.42E-14	8.25E-13	4.55E-14	9.04584E-13	1.215E-08	9.8912E-08	1.4E-08	6.23257E-14	1.202E-13	3.82877E-14	2.46135E-14
752	571590.6	4178839	0.55, 41788	0.16271	0.17607	86.9293	37.04871	11.93163	5.86384	2.33804E-10	1.59E-12	2.35E-10	1.25E-07	3.35E-10	1.25E-07	1.71E-08	1.08E-10	1.73E-08	7.26E-14	2.19E-13	1.27E-13	3.31E-14	7.99E-13	4.41E-14	8.76113E-13	1.177E-08	1.2525E-07	1.73E-08	6.03641E-14	1.16416E-13	3.70826E-14	2.38388E-14
753	570839.2	4178446	9.17, 41784	74.46739	6.86955	1115.31188	246.53605	545.24687	92.47095	1.07005E-07	6.20E-11	1.07E-07	1.6E-06	2.23E-09	1.6E-06	7.83E-07	4.92E-09	7.88E-07	3.3E-11	9.98E-11	5.77E-11	1.5E-11	3.63E-10	2E-11	3.98493E-10	5.353E-06	1.6049E-06	7.88E-07	2.74561E-11	5.29511E-11	1.68667E-11	1.08429E-11
754	570839.2	4178486	9.17, 41784	72.70489	8.35312	2611.28562	240.43522	1286.82968	90.10385	1.04472E-07	7.54E-11	1.05E-07	3.75E-06	2.17E-09	3.75E-06	1.85E-06	1.16E-08	1.86E-06	3.23E-11	9.74E-11	5.64E-11	1.47E-11	3.55E-10	1.96E-11	3.89117E-10	5.227E-06	3.7544E-06	1.86E-06	2.68101E-11	5.17052E-11	1.64699E-11	1.05878E-11
755	570879.2	4178406	9.17, 41784	9.26791	12.09581	654.37651	281.54322	174.87233	99.71055	1.33174E-08	1.09E-10	1.34E-08	9.4E-07	2.54E-09	9.43E-07	2.51E-07	1.58E-09	2.53E-07	4.14E-12	1.25E-11	7.24E-12	1.89E-12	4.56E-11	2.51E-12	4.99726E-11	6.713E-07	9.4284E-07	2.53E-07	3.4431E-12	6.64027E-12	2.11515E-12	1.35974E-12
756	570879.2	4178446	9.17, 41784	110.98197	13.33715	3333.88644	260.53475	1717.50318	91.01179	1.59474E-07	1.20E-10	1.6E-07	4.79E-06	2.35E-09	4.79E-06	2.47E-06	1.55E-08	2.48E-06	4.92E-11	1.49E-10	8.61E-11	2.24E-11	5.42E-10	2.99E-11	5.93995E-10	7.98E-06	4.7929E-06	2.48E-06	4.09262E-11	7.89291E-11	2.51416E-11	1.61625E-11
757	570879.2	4178486	9.17, 41784	18.42358	13.79846	473.0449	246.35325	141.68031	100.88031	2.64735E-08	1.25E-10	2.66E-08	6.8E-07	2.22E-09	6.82E-07	2.04E-07	1.28E-09	2.05E-07	8.21E-12	2.48E-11	1.43E-11	3.74E-12	9.03E-11	4.98E-12	9.89956E-11	1.33E-06	6.8196E-07	2.05E-07	6.82078E-12	1.31544E-11	4.19012E-12	2.69365E-12
758	570879.2	4178526	9.17, 41785	94.91809	17.71904	3340.71117	271.69492	1490.9797	113.49448	1.36391E-07	1.60E-10	1.37E-07	4.8E-06	2.45E-09	4.8E-06	2.14E-06	1.35E-08	2.16E-06	4.21E-11	1.27E-10	7.37E-11	1.92E-11	4.63E-10	2.56E-11	5.08231E-10	6.828E-06	4.8028E-06	2.16E-06	3.5017E-11	6.75328E-11	2.15115E-11	1.38288E-11
759	570879.2	4178566	9.17, 41785	6.34056	7.84517	517.57011	248.69096	138.67192	92.32789	9.11099E-09	7.08E-11	9.18E-09	7.44E-07	2.25E-09	7.46E-07	1.99E-07	1.25E-09	2.01E-07	2.83E-12	8.55E-12	4.95E-12	1.29E-12	3.12E-11	1.72E-12	3.41739E-11	4.591E-07	7.4596E-07	2.01E-07	2.35457E-12	4.54096E-12	1.44645E-12	9.29863E-13
760	570919.2	4178366	9.17, 41783	2.36921	8.89638	279.82249	231.14799	50.20448	85.64726	3.40441E-09	8.03E-11	3.48E-09	4.02E-07	2.09E-09	4.04E-07	7.21E-08	4.53E-10	7.26E-08	1.08E-12	3.25E-12	1.88E-12	4.9E-13	1.18E-11	6.52E-13	1.29699E-11	1.742E-07	4.0417E-07	7.26E-08	8.93621E-13	1.72341E-12	5.48966E-13	3.52907E-13
761	570919.2	4178406	9.17, 41784	7.16288	18.51893	387.12304	281.06153	102.95605	123.97591	1.02926E-08	1.67E-10	1.05E-08	5.56E-07	2.54E-09	5.59E-07	1.48E-07	9.30E-10	1.49E-07	3.23E-12	9.75E-12	5.64E-12	1.47E-12	3.55E-11	1.96E-12	3.89305E-11	5.23E-07	5.5881E-07	1.49E-07	2.6823E-12	5.17301E-12	1.64778E-12	1.05929E-12
762	570919.2	4178446	9.17, 41784	30.90779	15.96768	761.46723	266.85593	290.35951	97.37786	4.44126E-08	1.44E-10	4.46E-08	1.09E-06	2.41E-09	1.1E-06	4.17E-07	2.62E-09	4.2E-07	1.37E-11	4.15E-11	2.4E-11	6.26E-12	1.51E-10	8.34E-12	1.65836E-10	2.228E-06	1.0966E-06	4.2E-07	1.14261E-11	2.2036E-11	7.01922E-12	4.51235E-12
763	570919.2	4178486	9.17, 41784	29.57453	18.16179	992.62163	281.14129	425.98322	121.6397	4.24968E-08	1.64E-10	4.27E-08	1.43E-06	2.54E-09	1.43E-06	6.12E-07	3.85E-09	6.16E-07	1.32E-11	3.97E-11	2.3E-11	5.99E-12	1.45E-10	7.99E-12	1.58779E-10	2.133E-06	1.4289E-06	6.16E-07	1.09399E-11	2.10983E-11	6.72053E-12	4.32034E-12
764	570919.2	4178526	9.17, 41785	19.47257	21.77306	427.44744	357.8357	126.47105	151.21701	2.79809E-08	1.97E-10	2.82E-08	6.14E-07	3.23E-09	6.17E-07	1.82E-07	1.14E-09	1.83E-07	8.7E-12	2.63E-11	1.52E-11	3.96E-12	9.56E-11	5.28E-12	1.04874E-10	1.409E-06	6.1745E-07	1.83E-07	7.22579E-12	1.39354E-11	4.43892E-12	2.85359E-12
765	570919.2	4178566	9.17, 41785	68.70701	17.81326	3547.24462	326.79695	1121.59815	123.62419	9.87277E-08	1.61E-10	9.89E-08	5.1E-06	2.95E-09	5.1E-06	1.61E-06	1.01E-08	1.62E-06	3.05E-11	9.21E-11	5.33E-11	1.39E-11	3.36E-10	1.85E-11	3.68053E-10	4.944E-06	5.1001E-06	1.62E-06	2.53588E-11	4.89063E-11	1.55783E-11	1.00146E-11
766	570959.2	4178326	9.17, 41783	2.08146	12.83514	279.67021	252.56813	42.32993	97.81035	2.99093E-09	1.16E-10	3.11E-09	4.02E-07	2.28E-09	4.04E-07	6.08E-08	3.82E-10	6.12E-08	9.59E-13	2.89E-12	1.68E-12	4.37E-13	1.05E-11	5.82E-13	1.15633E-11	1.553E-07	4.0415E-07	6.12E-08	7.96709E-13	1.53651E-12	4.89432E-13	3.14635E-13
767	570959.2	4178366	9.17, 41783	2.97969	11.80225	241.09871	252.07126	42.48046	78.75938	4.28163E-09	1.07E-10	4.39E-09	3.46E-07	2.28E-09	3.49E-07	6.1E-08	3.84E-10	6.14E-08	1.35E-12	4.09E-12	2.37E-12	6.17E-13	1.49E-11	8.22E-13	1.63324E-11	2.194E-07	3.4872E-07	6.14E-08	1.1253E-12	2.17023E-12	6.91292E-13	4.44402E-13
768	570959.2	4178406	9.17, 41784	5.48321	18.00699	312.89849	292.26242	67.10795	111.57482	7.87903E-09	1.63E-10	8.04E-09	4.5E-07	2.64E-09	4.52E-07	9.64E-08	6.06E-10	9.7E-08	2.48E-12	7.49E-12	4.34E-12	1.13E-12	2.73E-11	1.51E-12	2.99301E-11	4.021E-07	4.5225E-07	9.7E-08	2.06218E-12	3.97707E-12	1.26683E-12	8.14392E-13
769	570959.2	4178446	9.17, 41784	13.2141	15.9724	471.07205	258.82785	129.31081	100.45092	1.89878E-08	1.44E-10	1.91E-08	6.77E-07	2.34E-09	6.79E-07	1.86E-07	1.17E-09	1.87E-07	5.9E-12	1.78E-11	1.03E-11	2.69E-12	6.49E-11	3.58E-12	7.12076E-11	9.566E-07	6.7924E-07	1.87E-07	4.9062E-12	9.46195E-12	3.01396E-12	1.93754E-12
770	570959.2	4178486	9.17, 41784	61.20406	15.71053	1330.20017	250.50131	539.4281	101.77571	8.79465E-08	1.42E-10	8.81E-08	1.91E-06	2.26E-09	1.91E-06	7.75E-07	4.87E-09	7.8E-07	2.72E-11	8.21E-11	4.75E-11	1.24E-11	2.99E-10	1.65E-11	3.27856E-10	4.404E-06	1.9137E-06	7.8E-07	2.25892E-11	4.35649E-11	1.38769E-11	8.92088E-12
771	570959.2	4178526	9.17, 41785	233.18259	14.04006	3491.90215	258.73899	1687.05022	110.68808	3.35069E-07	1.27E-10	3.35E-07	5.02E-06	2.34E-09	5.02E-06	2.42E-06	1.52E-08	2.44E-06	1.03E-10	3.12E-10	1.81E-10	4.71E-11	1.14E-09	6.28E-11	1.24756E-09	1.676E-05	5.02E-06	2.44E-06	8.59571E-11	1.65774E-10	5.28048E-11	3.3946E-11
772	570999.2	4178286	9.17, 41782	4.82709	7.01905	541.05323	230.67805	117.6944	82.70868	6.93623E-09	6.34E-11	7E-09	7.77E-07	2.08E-09	7.8E-07	1.69E-07	1.06E-09	1.7E-07	2.16E-12	6.52E-12	3.78E-12	9.84E-13	2.38E-11	1.31E-12	2.60518E-11	3.5E-07	7.7954E-07	1.7E-07	1.79497E-12	3.46172E-12	1.10268E-12	7.08865E-13

773	570999.2	4178326	9.17, 41783	3.49216	17.23511	334.8047	281.26172	73.88295	121.01705	5.01802E-09	1.56E-10	5.17E-09	4.81E-07	2.54E-09	4.84E-07	1.06E-07	6.67E-10	1.07E-07	1.6E-12	4.82E-12	2.79E-12	7.27E-13	1.76E-11	9.69E-13	1.92558E-11	2.587E-07	4.8363E-07	1.07E-07	1.32672E-12	2.55868E-12	8.15026E-13	5.23946E-13
774	570999.2	4178366	9.17, 41783	3.49499	15.86199	258.09779	262.50756	51.99585	99.38677	5.02208E-09	1.43E-10	5.17E-09	3.71E-07	2.37E-09	3.73E-07	7.47E-08	4.70E-10	7.52E-08	1.59E-12	4.81E-12	2.79E-12	7.26E-13	1.75E-11	9.67E-13	1.92248E-11	2.583E-07	3.7324E-07	7.52E-08	1.32458E-12	2.55456E-12	8.13714E-13	5.23102E-13
775	570999.2	4178406	9.17, 41784	4.67229	14.08019	269.25985	258.20089	48.54927	90.52886	6.71379E-09	1.27E-10	6.84E-09	3.87E-07	2.33E-09	3.89E-07	6.98E-08	4.38E-10	7.02E-08	2.11E-12	6.37E-12	3.69E-12	9.61E-13	2.32E-11	1.28E-12	2.54613E-11	3.42E-07	3.8924E-07	7.02E-08	1.75428E-12	3.38325E-12	1.07768E-12	6.92795E-13
776	570999.2	4178446	9.17, 41784	8.21208	17.59623	365.10896	254.50285	80.87758	113.65243	1.18003E-08	1.59E-10	1.2E-08	5.25E-07	2.30E-09	5.27E-07	1.16E-07	7.30E-10	1.17E-07	3.69E-12	1.11E-11	6.45E-12	1.68E-12	4.06E-11	2.24E-12	4.45107E-11	5.98E-07	5.2694E-07	1.17E-07	3.06678E-12	5.91451E-12	1.88397E-12	1.21113E-12
777	570999.2	4178486	9.17, 41784	18.06608	14.21786	585.19163	263.25351	156.20535	101.07997	2.59598E-08	1.28E-10	2.61E-08	8.41E-07	2.38E-09	8.43E-07	2.24E-07	1.41E-09	2.26E-07	8.05E-12	2.43E-11	1.41E-11	3.67E-12	8.85E-11	4.88E-12	9.70978E-11	1.304E-06	8.4326E-07	2.26E-07	6.69002E-12	1.29022E-11	4.10979E-12	2.64201E-12
778	571039.2	4178246	9.17, 41782	16.91212	6.90765	857.31055	271.11205	274.95229	93.64332	2.43017E-08	6.24E-11	2.44E-08	1.23E-06	2.45E-09	1.23E-06	3.95E-07	2.48E-09	3.98E-07	7.52E-12	2.27E-11	1.31E-11	3.42E-12	8.27E-11	4.56E-12	9.06805E-11	1.218E-06	1.2344E-06	3.98E-07	6.24788E-12	1.20495E-11	3.83817E-12	2.4674E-12
779	571039.2	4178286	9.17, 41782	28.85834	15.10006	1240.055	260.3069	549.80999	92.85324	4.14677E-08	1.36E-10	4.16E-08	1.78E-06	2.35E-09	1.78E-06	7.9E-07	4.96E-09	7.95E-07	1.28E-11	3.88E-11	2.24E-11	5.85E-12	1.41E-10	7.79E-12	1.54846E-10	2.08E-06	1.7842E-06	7.95E-07	1.06689E-11	2.05757E-11	6.55406E-12	4.21332E-12
780	571039.2	4178326	9.17, 41783	6.67676	17.1171	443.85334	276.43557	131.23026	111.87763	9.59409E-09	1.55E-10	9.75E-09	6.38E-07	2.50E-09	6.4E-07	1.89E-07	1.18E-09	1.9E-07	3.01E-12	9.08E-12	5.26E-12	1.37E-12	3.31E-11	1.83E-12	3.62835E-11	4.874E-07	6.4029E-07	1.9E-07	2.49993E-12	4.82129E-12	1.53575E-12	9.87266E-13
781	571039.2	4178366	9.17, 41783	4.40971	16.57374	310.01939	259.88486	73.97776	106.04392	6.33648E-09	1.50E-10	6.49E-09	4.45E-07	2.35E-09	4.48E-07	1.06E-07	6.68E-10	1.07E-07	2E-12	6.04E-12	3.5E-12	9.11E-13	2.2E-11	1.21E-12	2.41407E-11	3.243E-07	4.4783E-07	1.07E-07	1.66329E-12	3.20778E-12	1.02179E-12	6.56864E-13
782	571039.2	4178406	9.17, 41784	4.40492	15.47088	249.62047	251.60574	54.55389	95.67705	6.3296E-09	1.40E-10	6.47E-09	3.59E-07	2.27E-09	3.61E-07	7.84E-08	4.93E-10	7.89E-08	2E-12	6.03E-12	3.49E-12	9.09E-13	2.2E-11	1.21E-12	2.40781E-11	3.235E-07	3.6096E-07	7.89E-08	1.65898E-12	3.19945E-12	1.01914E-12	6.55159E-13
783	571039.2	4178446	9.17, 41784	6.02235	17.33371	271.18693	258.43077	53.34538	113.33058	8.65375E-09	1.57E-10	8.81E-09	3.9E-07	2.33E-09	3.92E-07	7.67E-08	4.82E-10	7.71E-08	2.72E-12	8.21E-12	4.75E-12	1.24E-12	2.99E-11	1.65E-12	3.27909E-11	4.405E-07	3.9201E-07	7.71E-08	2.25929E-12	4.3572E-12	1.38792E-12	8.92233E-13
784	571079.2	4178246	9.17, 41782	26.90238	12.76385	686.22219	257.40547	294.80616	92.56412	3.86571E-08	1.15E-10	3.88E-08	9.86E-07	2.32E-09	9.88E-07	4.24E-07	2.66E-09	4.26E-07	1.2E-11	3.61E-11	2.09E-11	5.45E-12	1.32E-10	7.26E-12	1.44307E-10	1.939E-06	9.8838E-07	4.26E-07	9.94271E-12	1.91752E-11	6.10797E-12	3.92655E-12
785	571079.2	4178286	9.17, 41782	49.90964	15.92317	957.6563	283.49226	414.11972	108.09945	7.17171E-08	1.44E-10	7.19E-08	1.38E-06	2.56E-09	1.38E-06	5.95E-07	3.74E-09	5.99E-07	2.22E-11	6.7E-11	3.88E-11	1.01E-11	2.44E-10	1.35E-11	2.67459E-10	3.593E-06	1.3787E-06	5.99E-07	1.84279E-11	3.55395E-11	1.13205E-11	7.27749E-12
786	571079.2	4178326	9.17, 41783	16.67986	14.36437	793.60016	243.70787	313.14105	91.11491	2.39679E-08	1.30E-10	2.41E-08	1.14E-06	2.20E-09	1.14E-06	4.5E-07	2.83E-09	4.53E-07	7.44E-12	2.25E-11	1.3E-11	3.39E-12	8.18E-11	4.51E-12	8.9689E-11	1.205E-06	1.1426E-06	4.53E-07	6.17956E-12	1.19177E-11	3.7962E-12	2.44042E-12
787	571079.2	4178366	9.17, 41783	6.18218	17.09307	419.38901	255.0076	110.95083	108.56867	8.88341E-09	1.54E-10	9.04E-09	6.03E-07	2.30E-09	6.05E-07	1.59E-07	1.00E-09	1.6E-07	2.79E-12	8.42E-12	4.87E-12	1.27E-12	3.07E-11	1.69E-12	3.36376E-11	4.519E-07	6.0494E-07	1.6E-07	2.31763E-12	4.46971E-12	1.42376E-12	9.15272E-13
788	571079.2	4178406	9.17, 41784	4.42977	14.91	310.20505	209.99469	72.09993	91.11305	6.36531E-09	1.35E-10	6.5E-09	4.46E-07	1.90E-09	4.48E-07	1.04E-07	6.51E-10	1.04E-07	2.01E-12	6.06E-12	3.51E-12	9.13E-13	2.21E-11	1.22E-12	2.41921E-11	3.25E-07	4.4764E-07	1.04E-07	1.66683E-12	3.21461E-12	1.02396E-12	6.58262E-13
789	571119.2	4178286	9.17, 41782	25.0824	15.07438	507.91812	256.39153	211.8106	106.96205	3.60419E-08	1.36E-10	3.62E-08	7.3E-07	2.32E-09	7.32E-07	3.04E-07	1.91E-09	3.06E-07	1.12E-11	3.37E-11	1.95E-11	5.08E-12	1.23E-10	6.77E-12	1.34651E-10	1.809E-06	7.3216E-07	3.06E-07	9.27742E-12	1.78922E-11	5.69927E-12	3.66382E-12
790	571119.2	4178326	9.17, 41783	197.49067	14.51391	3348.29445	230.6601	1622.72219	95.52079	2.83782E-07	1.31E-10	2.84E-07	4.81E-06	2.08E-09	4.81E-06	2.33E-06	1.47E-08	2.35E-06	8.76E-11	2.65E-10	1.53E-10	3.99E-11	9.64E-10	5.32E-11	1.0567E-09	1.42E-05	4.8134E-06	2.35E-06	7.28062E-11	1.40412E-10	4.4726E-11	2.87524E-11
791	571119.2	4178366	9.17, 41783	10.01384	12.46582	630.48898	206.62645	198.58486	83.22549	1.43893E-08	1.13E-10	1.45E-08	9.06E-07	1.87E-09	9.08E-07	2.85E-07	1.79E-09	2.87E-07	4.47E-12	1.35E-11	7.82E-12	2.04E-12	4.92E-11	2.72E-12	5.39744E-11	7.251E-07	9.0784E-07	2.87E-07	3.71883E-12	7.17202E-12	2.28454E-12	1.46863E-12
792	571159.2	4178326	9.17, 41783	219.15803	19.05137	3124.9508	277.70648	1560.39264	128.55095	3.14917E-07	1.72E-10	3.15E-07	4.49E-06	2.51E-09	4.49E-06	2.24E-06	1.41E-08	2.26E-06	9.72E-11	2.94E-10	1.7E-10	4.43E-11	1.07E-09	5.9E-11	1.17273E-09	1.575E-05	4.4929E-06	2.26E-06	8.08008E-11	1.5583E-10	4.96372E-11	3.19097E-11
793	570808.8	4178465	8.82, 41784	10.95844	3.34212	1253.90468	193.66587	302.59047	56.7134	1.57466E-08	3.02E-11	1.58E-08	1.8E-06	1.75E-09	1.8E-06	4.35E-07	2.73E-09	4.38E-07	4.87E-12	1.47E-11	8.51E-12	2.22E-12	5.35E-11	2.95E-12	5.87196E-11	7.888E-07	1.8035E-06	4.38E-07	4.04577E-12	7.80256E-12	2.48538E-12	1.59775E-12
794	570823.9	4178530	3.91, 41785	3.05561	3.25593	358.64643	197.99385	70.39413	63.38636	4.39072E-09	2.94E-11	4.42E-09	5.15E-07	1.79E-09	5.17E-07	1.01E-07	6.36E-10	1.02E-07	1.36E-12	4.12E-12	2.38E-12	6.21E-13	1.5E-11	8.28E-13	1.64513E-11	2.21E-07	5.1714E-07	1.02E-07	1.13349E-12	2.18601E-12	6.96321E-13	4.47635E-13
795	570883.3	4178602	3.31, 41786	3.07425	4.49746	479.66242	287.53386	94.76169	103.00469	4.41751E-09	4.06E-11	4.46E-09	6.89E-07	2.60E-09	6.92E-07	1.36E-07	8.56E-10	1.37E-07	1.38E-12	4.15E-12	2.4E-12	6.26E-13	1.51E-11	8.35E-13	1.65927E-11	2.229E-07	6.9184E-07	1.37E-07	1.14323E-12	2.20481E-12	7.02306E-13	4.51483E-13
796	571181.5	4178310	1.45, 41783	77.30582	13.12592	2585.53888	242.23364	872.95261	114.20023	1.11084E-07	1.19E-10	1.11E-07	3.72E-06	2.19E-09	3.72E-06	1.25E-06	7.88E-09	1.26E-06	3.43E-11	1.04E-10	6E-11	1.56E-11	3.77E-10	2.08E-11	4.13883E-10	5.56E-06	3.7174E-06	1.26E-06	2.85165E-11	5.49961E-11	1.75182E-11	1.12617E-11
797	571067.8	4178207	7.83, 41782	5.36607	4.9243	895.65181	299.02694	223.56067	96.05921	7.71071E-09	4.45E-11	7.76E-09	1.29E-06	2.70E-09	1.29E-06	3.21E-07	2.02E-09	3.23E-07	2.39E-12	7.23E-12	4.18E-12	1.09E-12	2.63E-11	1.45E-12	2.8864E-11	3.878E-07	1.2897E-06	3.23E-07	1.98872E-12	3.8354E-12	1.22171E-12	7.85382E-13
798	570799.9	4178447	9.89, 41784	4.88888	2.78293	732.83791	152.28075	142.77112	52.0733	7.02502E-09	2.51E-11	7.05E-09	1.05E-06	1.38E-09	1.05E-06	2.05E-07	1.29E-09	2.06E-07	2.18E-12	6.57E-12	3.8E-12	9.91E-13	2.39E-11	1.32E-12	2.62399E-11	3.525E-07	1.0544E-06	2.06E-07	1.80793E-12	3.48672E-12	1.11064E-12	7.13983E-13

Chromium (hexavalent)

	Trenching	Grading
Emissions Rate (g/s):	2.91E-08	1.83E-10

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	510	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	510	10	2	70	0.85
2<9	631	1	0.854795	0.000001	510	3	0.75	70	0.72
Student	520	1	0.493151	0.000001	510	3	3	70	1
Worker	230	1	0.684932	0.000001	510	1	3	70	1

Chromium (hexavalent)

	Chronic (Annu	Acute (1hr)	8hr
REL:	0.2	1	1

				Concentration [µg/m^3] at 1 g/s						Concentration (µg/m^3) Unmitigated								
#	X	Y	X,Y	Trenching Period	Grading Period	Treching 1hr	Grading 1hr	Trenching 8hr	Grading 8hr	Trenching Period	Grading Period	Period Total	Treching 1hr	Grading 1hr	1hr Total	Trenching 8h	Grading 8hr	8hr Total
1	570310.6	4177919	0.55, 41779	0.08215	0.06425	53.98877	25.74637	6.7486	3.78109	2.39071E-09	1.17E-11	2.4E-09	1.57E-06	4.71E-09	1.58E-06	1.96E-07	1.23E-09	1.98E-07
2	570350.6	4177919	0.55, 41779	0.08744	0.06946	61.34869	26.43683	7.66859	3.66465	2.54465E-09	1.27E-11	2.56E-09	1.79E-06	4.83E-09	1.79E-06	2.23E-07	1.40E-09	2.25E-07
3	570390.6	4177919	0.55, 41779	0.09273	0.07514	67.57642	27.23616	8.44705	3.80844	2.6986E-09	1.37E-11	2.71E-09	1.97E-06	4.98E-09	1.97E-06	2.46E-07	1.54E-09	2.47E-07
4	570430.6	4177919	0.55, 41779	0.09799	0.08123	71.34976	28.07066	8.91872	4.01428	2.85168E-09	1.49E-11	2.87E-09	2.08E-06	5.13E-09	2.08E-06	2.6E-07	1.63E-09	2.61E-07
5	570470.6	4177919	0.55, 41779	0.10292	0.08757	71.34124	28.88227	8.91766	4.18506	2.99515E-09	1.60E-11	3.01E-09	2.08E-06	5.28E-09	2.08E-06	2.6E-07	1.63E-09	2.61E-07
6	570510.6	4177919	0.55, 41779	0.10719	0.09397	70.57748	29.51269	8.82218	4.31581	3.11941E-09	1.72E-11	3.14E-09	2.05E-06	5.40E-09	2.06E-06	2.57E-07	1.61E-09	2.58E-07
7	570550.6	4177919	0.55, 41779	0.11095	0.10041	80.02506	30.00614	10.00313	4.88273	3.22883E-09	1.84E-11	3.25E-09	2.33E-06	5.49E-09	2.33E-06	2.91E-07	1.83E-09	2.93E-07
8	570590.6	4177919	0.55, 41779	0.11537	0.10684	81.14556	31.22548	10.14319	5.49199	3.35746E-09	1.95E-11	3.38E-09	2.36E-06	5.71E-09	2.37E-06	2.95E-07	1.85E-09	2.97E-07
9	570630.6	4177919	0.55, 41779	0.12154	0.11343	82.02682	32.76834	10.54682	6.07261	3.53702E-09	2.07E-11	3.56E-09	2.39E-06	5.99E-09	2.39E-06	3.07E-07	1.93E-09	3.09E-07
10	570670.6	4177919	0.55, 41779	0.12896	0.11974	90.28793	34.09351	12.11861	6.60764	3.75296E-09	2.19E-11	3.77E-09	2.63E-06	6.23E-09	2.63E-06	3.53E-07	2.22E-09	3.55E-07
11	570710.6	4177919	0.55, 41779	0.13589	0.12543	92.03158	38.34133	11.50395	7.03486	3.95463E-09	2.29E-11	3.98E-09	2.68E-06	7.01E-09	2.69E-06	3.35E-07	2.10E-09	3.37E-07
12	570750.6	4177919	0.55, 41779	0.14097	0.13029	98.93292	42.68075	12.36662	7.25038	4.10247E-09	2.38E-11	4.13E-09	2.88E-06	7.81E-09	2.89E-06	3.6E-07	2.26E-09	3.62E-07
13	570790.6	4177919	0.55, 41779	0.1434	0.13429	101.78306	44.96916	12.72288	7.16867	4.17318E-09	2.46E-11	4.2E-09	2.96E-06	8.22E-09	2.97E-06	3.7E-07	2.33E-09	3.73E-07
14	570830.6	4177919	0.55, 41779	0.14249	0.1373	103.05806	46.92439	12.88226	6.63254	4.1467E-09	2.51E-11	4.17E-09	3E-06	8.58E-09	3.01E-06	3.75E-07	2.36E-09	3.77E-07
15	570870.6	4177919	0.55, 41779	0.13915	0.13926	113.81753	49.41272	14.22719	6.17659	4.0495E-09	2.55E-11	4.07E-09	3.31E-06	9.04E-09	3.32E-06	4.14E-07	2.60E-09	4.17E-07
16	570910.6	4177919	0.55, 41779	0.13537	0.14116	103.09741	52.00284	16.13684	6.50036	3.9395E-09	2.58E-11	3.97E-09	3E-06	9.51E-09	3.01E-06	4.7E-07	2.95E-09	4.73E-07
17	570950.6	4177919	0.55, 41779	0.13129	0.14261	128.63222	54.75687	19.7206	7.6051	3.82076E-09	2.61E-11	3.85E-09	3.74E-06	1.00E-08	3.75E-06	5.74E-07	3.61E-09	5.78E-07
18	570990.6	4177919	0.55, 41779	0.12715	0.1442	126.51514	58.01026	18.07359	9.36612	3.70028E-09	2.64E-11	3.73E-09	3.68E-06	1.06E-08	3.69E-06	5.26E-07	3.31E-09	5.29E-07
19	571030.6	4177919	0.55, 41779	0.12254	0.14609	125.39004	62.99788	17.19472	10.49965	3.56612E-09	2.67E-11	3.59E-09	3.65E-06	1.15E-08	3.66E-06	5E-07	3.14E-09	5.04E-07
20	571070.6	4177919	0.55, 41779	0.1201	0.14847	126.80092	67.58831	16.22667	10.87469	3.49511E-09	2.72E-11	3.52E-09	3.69E-06	1.24E-08	3.7E-06	4.72E-07	2.97E-09	4.75E-07
21	571110.6	4177919	0.55, 41779	0.1205	0.15044	126.62476	68.47754	20.2586	9.61445	3.50676E-09	2.75E-11	3.53E-09	3.68E-06	1.25E-08	3.7E-06	5.9E-07	3.70E-09	5.93E-07
22	571150.6	4177919	0.55, 41779	0.1212	0.15159	131.66409	62.22893	21.10658	9.19459	3.52713E-09	2.77E-11	3.55E-09	3.83E-06	1.14E-08	3.84E-06	6.14E-07	3.86E-09	6.18E-07
23	571190.6	4177919	0.55, 41779	0.12215	0.15198	137.85581	66.48698	19.69369	10.25241	3.55477E-09	2.78E-11	3.58E-09	4.01E-06	1.22E-08	4.02E-06	5.73E-07	3.60E-09	5.77E-07
24	571230.6	4177919	0.55, 41779	0.12354	0.15154	148.65332	75.08948	21.23619	9.50538	3.59522E-09	2.77E-11	3.62E-09	4.33E-06	1.37E-08	4.34E-06	6.18E-07	3.88E-09	6.22E-07
25	571270.6	4177919	0.55, 41779	0.12544	0.15047	135.01221	73.55453	18.66937	9.80753	3.65052E-09	2.75E-11	3.68E-09	3.93E-06	1.35E-08	3.94E-06	5.43E-07	3.41E-09	5.47E-07
26	571310.6	4177919	0.55, 41779	0.12844	0.14895	144.25948	74.57026	18.03243	9.63087	3.73782E-09	2.72E-11	3.77E-09	4.2E-06	1.36E-08	4.21E-06	5.25E-07	3.30E-09	5.28E-07
27	571350.6	4177919	0.55, 41779	0.13264	0.1484	134.13439	65.82548	16.7668	8.49886	3.86005E-09	2.71E-11	3.89E-09	3.9E-06	1.20E-08	3.92E-06	4.88E-07	3.07E-09	4.91E-07
28	571390.6	4177919	0.55, 41779	0.13487	0.1464	140.45529	51.40311	17.55691	7.98518	3.92495E-09	2.68E-11	3.95E-09	4.09E-06	9.40E-09	4.1E-06	5.11E-07	3.21E-09	5.14E-07
29	571430.6	4177919	0.55, 41779	0.14548	0.15293	139.19794	49.3636	17.39974	7.65374	4.23372E-09	2.80E-11	4.26E-09	4.05E-06	9.03E-09	4.06E-06	5.06E-07	3.18E-09	5.1E-07
30	571470.6	4177919	0.55, 41779	0.15916	0.16179	134.87595	45.89373	16.85949	6.86379	4.63183E-09	2.96E-11	4.66E-09	3.93E-06	8.39E-09	3.93E-06	4.91E-07	3.08E-09	4.94E-07
31	571510.6	4177919	0.55, 41779	0.17426	0.17151	122.2315	42.4201	15.27894	5.85942	5.07126E-09	3.14E-11	5.1E-09	3.56E-06	7.76E-09	3.56E-06	4.45E-07	2.79E-09	4.47E-07
32	571550.6	4177919	0.55, 41779	0.18787	0.18026	112.99449	35.73716	14.12431	5.76206	5.46734E-09	3.30E-11	5.5E-09	3.29E-06	6.54E-09	3.29E-06	4.11E-07	2.58E-09	4.14E-07
33	571590.6	4177919	0.55, 41779	0.19949	0.18751	94.68734	29.26563	11.83592	5.30509	5.8055E-09	3.43E-11	5.84E-09	2.76E-06	5.35E-09	2.76E-06	3.44E-07	2.16E-09	3.47E-07
34	570310.6	4177959	0.55, 41779	0.08597	0.06676	56.89619	26.25101	7.11202	4.18522	2.50187E-09	1.22E-11	2.51E-09	1.66E-06	4.80E-09	1.66E-06	2.07E-07	1.30E-09	2.08E-07
35	570350.6	4177959	0.55, 41779	0.09204	0.07257	58.96006	27.16756	7.37001	4.19821	2.67852E-09	1.33E-11	2.69E-09	1.72E-06	4.97E-09	1.72E-06	2.14E-07	1.35E-09	2.16E-07
36	570390.6	4177959	0.55, 41779	0.09833	0.07904	63.0038	28.02201	7.87548	4.15896	2.86157E-09	1.45E-11	2.88E-09	1.83E-06	5.12E-09	1.84E-06	2.29E-07	1.44E-09	2.31E-07
37	570430.6	4177959	0.55, 41779	0.10461	0.08611	70.72142	28.76698	8.84018	4.23038	3.04433E-09	1.57E-11	3.06E-09	2.06E-06	5.26E-09	2.06E-06	2.57E-07	1.62E-09	2.59E-07
38	570470.6	4177959	0.55, 41779	0.11098	0.09385	78.78718	29.82596	9.8484	4.47695	3.22971E-09	1.72E-11	3.25E-09	2.29E-06	5.45E-09	2.3E-06	2.87E-07	1.80E-09	2.88E-07
39	570510.6	4177959	0.55, 41779	0.1169	0.10189	83.26174	30.87615	10.40772	4.70339	3.40199E-09	1.86E-11	3.42E-09	2.42E-06	5.65E-09	2.43E-06	3.03E-07	1.90E-09	3.05E-07
40	570550.6	4177959	0.55, 41779	0.12213	0.11	82.46075	31.83495	10.30759	4.9071	3.55419E-09	2.01E-11	3.57E-09	2.4E-06	5.82E-09	2.41E-06	3E-07	1.88E-09	3.02E-07
41	570590.6	4177959	0.55, 41779	0.1275	0.1185	87.61849	32.53805	10.95231	5.6614	3.71047E-09	2.17E-11	3.73E-09	2.55E-06	5.95E-09	2.56E-06	3.19E-07	2.00E-09	3.21E-07
42	570630.6	4177959	0.55, 41779	0.13429	0.12721	94.25098	33.95012	11.78137	6.34882	3.90807E-09	2.33E-11	3.93E-09	2.74E-06	6.21E-09	2.75E-06	3.43E-07	2.15E-09	3.45E-07
43	570670.6	4177959	0.55, 41779	0.1434	0.13582	91.47953	35.4429	12.89467	6.97952	4.17318E-09	2.48E-11	4.2E-09	2.66E-06	6.48E-09	2.67E-06	3.75E-07	2.36E-09	3.78E-07
44	570710.6	4177959	0.55, 41779	0.15342	0.14402	103.54122	38.62398	12.94265	7.57754	4.46478E-09	2.63E-11	4.49E-09	3.01E-06	7.06E-09	3.02E-06	3.77E-07	2.37E-09	3.79E-07
45	570750.6	4177959	0.55, 41779	0.16261	0.1515	105.52732	44.38977	13.19092	8.09206	4.73223E-09	2.77E-11	4.76E-09	3.07E-06	8.12E-09	3.08E-06	3.84E-07	2.41E-09	3.86E-07
46	570790.6	4177959	0.55, 41779	0.16989	0.15823	113.60479	47.24143	14.2006	8.3928	4.94409E-09	2.89E-11	4.97E-09	3.31E-06	8.64E-09	3.31E-06	4.13E-07	2.60E-09	4.16E-07
47	570830.6	4177959	0.55, 41779	0.1738	0.16401	115.20896	49.45722	14.40112	8.28774	5.05788E-09	3.00E-11	5.09E-09	3.35E-06	9.04E-09	3.36E-06	4.19E-07	2.63E-09	4.22E-07
48	570870.6	4177959	0.55, 41779	0.17339	0.16851	122.33209	52.01335	15.29151	7.46689	5.04594E-09	3.08E-11	5.08E-09	3.56E-06	9.51E-09	3.57E-06	4.45E-07	2.80E-09	4.48E-07
49	570910.6	4177959	0.55, 41779	0.16973	0.17204	128.70888	55.67631	16.08861	6.95954	4.93943E-09	3.15E-11	4.97E-09	3.75E-06	1.02E-08	3.76E-06	4.68E-07	2.94E-09	4.71E-07
50	570950.6	4177959	0.55, 41779	0.16375	0.1746	137.78687	58.35606	21.41966	8.40086	4.7654E-09	3.19E-11	4.8E-09	4.01E-06	1.07E-08	4.02E-06	6.23E-07	3.92E-09	6.27E-07
51	570990.6	4177959	0.55, 41779	0.1571	0.17611	148.41379	62.43724	21.20197	10.20575	4.57188E-09	3.22E-11	4.6E-09	4.32E-06	1.14E-08	4.33E-06	6.17E-07	3.88E-09	6.21E-07
52	571030.6	4177959	0.55, 41779	0.15135	0.1787	141.29712	68.4386	19.05284	11.40643	4.40454E-09	3.27E-11	4.44E-09	4.11E-06	1.25E-08	4.12E-06	5.54E-07	3.48E-09	5.58E-07
53	571070.6	4177959	0.55, 41779	0.14838	0.1815	143.49488	74.36914	18.79197	11.80682	4.31811E-09	3.32E-11	4.35E-09	4.18E-06	1.36E-08	4.19E-06	5.47E-07	3.44E-09	5.5E-07
54	571110.6	4177959	0.55, 41779	0.14858	0.18375	140.62761	73.34522	22.74237	10.22286	4.32393E-09	3.36E-11	4.36E-09	4.09E-06	1.34E-08	4.11E-06	6.62E-07	4.16E-09	6.66E-07
55	571150.6	4177959	0.55, 41779	0.14994	0.18566	146.3467	67.83983	22.92053	11.48399	4.36351E-09	3.40E-11	4.4E-09	4.26E-06	1.24E-08	4.27E-06	6.67E-07	4.19E-09	6.71E-07
56	571190.6	4177959	0.55, 41779	0.1525	0.18616	161.89014	78.97315	23.12716	11.84075	4.43801E-09	3.40E-11	4.47E-09	4.71E-06	1.44E-08	4.73E-06	6.73E-07	4.23E-09	6.77E-07
57	571230.6	4177959	0.55, 41779	0.15542	0.18516	156.07845	81.92899	22.29692	11.22006	4.52299E-09	3.39E-11	4.56E-09	4.54E-06	1.50E-08	4.56E-06	6.49E-07	4.08E-09	6.53E-07
58	571270.6	4177959	0.55, 41779	0.15909	0.18379	158.42767	82.70179	19.80346	11.54254	4.62979E-09	3.36E-11	4.66E-09	4.61E-06	1.51E-08	4.63E-06	5.76E-07	3.62E-09	5.8E-07
59	571310.6	4177959	0.55, 41779	0.1655	0.18382	150.26158	75.50789	18.7827	10.48328	4.81633E-09	3.36E-11	4.85E-09	4.37E-06	1.38E-08	4.39E-06	5.47E-07	3.43E-09	5.5E-07
60	571350.6	4177959	0.55, 41779	0.17654	0.1881	154.82597	60.83045	19.35325	9.71095	5.13762E-09	3.44E-11	5.17E-09	4.51E-06	1.11E-08	4.52E-06	5.63E-07	3.54E-09	5.67E-07
61	571390.6	4177959	0.55, 41779	0.18842	0.1934	152.92189	54.55359	19.11524	9.16318	5.48334E-09	3.54E-11	5.52E-09	4.45E-06	9.98E-09	4.46E-06	5.56E-07	3.50E-09	5.6E-07
62	571430.6	4177959	0.55, 41779	0.20645	0.20414	148.33328	50.38722	18.54166	8.09078	6.00805E-09	3.73E-11	6.05E-09	4.32E-06	9.21E-09	4.33E-06	5.4E-07	3.39E-09	5.43E-07
63	571470.6	4177959	0.55, 41779	0.22554	0.21577	134.13897	46.24246	16.76737	6.92684	6.5636E-09	3.95E-11	6.6E-09	3.9E-06	8.46E-09	3.91E-06	4.88E-07	3.07E-09	4.91E-07
64	571510.6	4177959	0.55, 41779	0.24332	0.22654	122.33786	38.55117	15.29223	6.75463	7.08103E-09	4.14E-11	7.12E-09	3.56E-06	7.05E-09	3.57E-06	4.45E-07	2.80E-09	4.48E-07
65	571550.6	4177959	0.55, 41779	0.25539	0.23344	100.38932	31.1899	12.54867	6.13877	7.43228E-09	4.27E-11	7.47E-09	2.92E-06	5.70E-09	2.93E-06	3.65E-07	2.29E-09	3.67E-07
66	571590.6	4177959	0.55, 41779	0.26174	0.2364	103.20811	24.1035	12.90101	5.55119	7.61708E-09	4.32E-11	7.66E-09	3E-06	4.41E-09	3.01E-06	3.75E-07	2.36E-09	3.78E-07
67	570310.6	4177999	0.55, 41779	0.08992	0.06909	61.55411	26.71644	7.69426	4.42886	2.61683E-09	1.26E-11	2.63E-09	1.79E-06	4.89E-09	1.8E-06	2.24E-07	1.41E-09	2.25E-07
68	570350.6	4177999	0.55, 41779	0.09687	0.07551	63.16088	27.72336	7.89511	4.52605	2.81908E-09	1.38E-11	2.83E-09	1.84E-06	5.07E-09	1.84E-06	2.3E-07	1.44E-09	2.31E-07
69	570390.6	4177999	0.55, 41779	0.10411	0.08268	65.18315	28.66629	8.14789	4.5901	3.02978E-09	1.51E-11	3.04E-09	1.9E-06	5.24E-09	1.9E-06	2.37E-07	1.49E-09	2.39E-07
70	570430.6	4177999	0.55, 41779	0.11178	0.0909	69.77828	29.77159	8.72229	4.64595	3.25299E-09	1.66E-11	3.27E-09	2.03E-06	5.44E-09	2.04E-06	2.54E-07	1.60E-09	2.55E-07
71	570470.6	4177999	0.55, 41779	0.11947	0.09994	73.23749	30.82615	9.15469	4.70414	3.47678E-09	1.83E-11	3.5E-09	2.13E-06	5.64E-09	2.14E-06	2.66E-07	1.67E-09	2.68E-07
72	570510.6	4177999	0.55, 41779	0.12689	0.1096	83.36058	31.87471	10.42007	5.00665	3.69272E-09	2.00E-11	3.71E-09	2.43E-06	5.83E-09	2.43E-06	3.03E-07	1.91E-09	3.05E-07
73	570550.6	4177999	0.55, 41779	0.1338	0.11968	93.92369	33.13511	11.74046	5.30601	3.89381E-09	2.19E-11	3.92E-09	2.73E-06	6.06E-09	2.74E-06	3.42E-07	2.15E-09	3.44E-07
74	570590.6	4177999	0.55, 41779	0.14077	0.13095	98.98148	34.43475	12.37268	5.77536	4.09665E-09	2.39E-11	4.12E-09	2.88E-06	6.30E-09	2.89E-06	3.6E-07	2.26E-09	3.62E-07
75	570630.6	4177999	0.55, 41779	0.14863	0.14246	96.29887	35.58815	12.03736	6.62596	4.32539E-09	2.61E-11	4.35E-09	2.8E-06	6.51E-09	2.81E-06	3.5E-07	2.20E-09	3.53E-07
76	570670.6	4177999	0.55, 41779	0.15906	0.15417	108.0953	37.02771	13.51191	7.37805	4.62892E-09	2.82E-11	4.66E-09	3.15E-06	6.77E-09	3.15E-06	3.93E-07	2.47E-09	3.96E-07
77	570710.6	4177999	0.55, 41779	0.17207	0.16581	109.21603	39.28347	14.39109	8.06843	5.00753E-09	3.03E-11	5.04E-09	3.18E-06	7.18E-09	3.19E-06	4.19E-07	2.63E-09	4.21E-07
78	570750.6	4177999	0.55, 41779	0.18601	0.17706	119.66853	46.10023	14.95857	8.7788	5.41321E-09	3.24E-11	5.45E-09	3.48E-06	8.43E-09	3.49E-06	4.35E-07	2.74E-09	4.38E-07
79	570790.6	4177999	0.55, 41779	0.19953	0.18772	122.67556	49.8289	15.33445	9.45426	5.80666E-09	3.43E-11	5.84E-09	3.57E-06	9.11E-09	3.58E-06	4.46E-07	2.80E-09	4.49E-07
80	570830.6	4177999	0.55, 41779	0.21109	0.19773	133.54261	52.4094	16.69283	9.90962	6.14308E-09	3.62E-11	6.18E-09	3.89E-06	9.58E-09	3.9E-06	4.86E-07	3.05E-09	4.89E-07
81	570870.6	4177999	0.55, 41779	0.21804	0.20674	131.45449	55.15858	16.43181	9.77159	6.34534E-09	3.78E-11	6.38E-09	3.83E-06	1.01E-08	3.84E-06	4.78E-07	3.00E-09	4.81E-07
82	570910.6	4177999	0.55, 41779	0.21803	0.21414	148.11273	59.13207	18.51409	8.43226	6.34504E-09	3.92E-11	6.38E-09	4.31E-06	1.08E-08	4.32E-06	5.39E-07	3.39E-09	5.42E-07
83	570950.6	4177999	0.55, 41779	0.2114	0.21889	140.12444	63.58464	21.83562	9.32684	6.1521E-09	4.00E-11	6.19E-09	4.08E-06	1.16E-08	4.09E-06	6.35E-07	3.99E-09	6.39E-07
84	570990.6	4177999	0.55, 41779	0.2013	0.22185	171.25011	67.61488	25.43318	11.18299	5.85817E-09	4.06E-11	5.9E-09	4.98E-06	1.24E-08	5E-06	7.4E-07	4.65E-09	7.45E-07
85	571030.6	4177999	0.55, 41779	0.19301	0.22456	161.4506	75.02365	21.94671	12.50394	5.61692E-09	4.11E-11	5.66E-09	4.7E-06	1.37E-08	4.71E-06	6.39E-07	4.01E-09	6.43E-07
86	571070.6	4177999	0.55, 41779	0.18927	0.22808	165.36156	82.48884	21.97245	12.95225	5.50808E-09	4.17E-11	5.55E-09	4.81E-06	1.51E-08	4.83E-06	6.39E-07	4.02E-09	6.43E-07
87	571110.6	4177999	0.55, 41779	0.18141	0.21619	158.60632	80.72549	25.62624	11.81551	5.27934E-09	3.95E-11	5.32E-09	4.62E-06	1.48E-08	4.63E-06	7.46E-07	4.69E-09	7.5E-07
88	571150.6	4177999	0.55, 41779	0.19202	0.23351	164.05988	80.42402	24.96785	14.13496	5.58811E-09	4.27E-11	5.63E-09	4.77E-06	1.47E-08	4.79E-06	7.27E-07	4.57E-09	7.31E-07
89	571190.6	4177999	0.55, 41779	0.1978	0.23414	182.21875	91.74664	26.03125	13.21695	5.75632E-09	4.28E-11	5.8E-09	5.3E-06	1.68E-08	5.32E-06	7.58E-07	4.76E-09	7.62E-07
90	571230.6	4177999	0.55, 41779	0.20367	0.23289	172.67663	91.69738	22.62496	13.85272	5.92714E-09	4.26E-11	5.97E-09	5.03E-06	1.68E-08	5.04E-06	6.58E-07	4.14E-09	6.63E-07
91	571270.6	4177999	0.55, 41779	0.21358	0.23476	171.66845	86.35935	21.45856	13.01074	6.21554E-09	4.29E-11	6.26E-09	5E-06	1.58E-08	5.01E-06	6.24E-07	3.92E-09	6.28E-07
92	571310.6	4177999	0.55, 41779	0.23025	0.24083	171.26207	72.34733	21.40776	11.81711	6.70067E-09	4.40E-11	6.74E-09	4.98E-06	1.32E-08	5E-06	6.23E-07	3.91E-09	6.27E-07
93	571350.6	4177999	0.55, 41779	0.25373	0.25254	169.27826	60.68614	21.15978	11.13084	7.38398E-09	4.62E-11	7.43E-09	4.93E-06	1.11E-08	4.94E-06	6.16E-07	3.87E-09	6.2E-07
94	571390.6	4177999	0.55, 41779	0.27999	0.26698	164.13881	55.69534	20.51735	9.69774	8.14819E-09	4.88E-11	8.2E-09	4.78E-06	1.02E-08	4.79E-06	5.97E-07	3.75E-09	6.01E-07
95	571430.6	4177999	0.55, 41779	0.30187	0.27888	148.06777	50.74185	18.50847	8.30154	8.78433E-09	5.10E-11	8.84E-09	4.31E-06	9.28E-09	4.32E-06	5.39E-07	3.38E-09	5.42E-07
96	571470.6	4177999	0.55, 41779	0.32222	0.29016	133.22849	41.8567	16.65356	8.00082	9.37715E-09	5.31E-11	9.43E-09	3.88E-06	7.65E-09	3.88E-06	4.85E-07	3.05E-09	4.88E-07
97	571510.6	4177999	0.55, 41779	0.33311	0.29527	113.25391	33.39085	14.15674	7.16119	9.69407E-09	5.40E-11	9.75E-09	3.3E-06	6.11E-09	3.3E-06	4.12E-07	2.59E-09	4.15E-07
98	571550.6	4177999	0.55, 41779	0.33431	0.29408	118.79132	25.19774	14.84891	6.75336	9.72899E-09	5.38E-11	9.78E-09	3.46E-06	4.61E-09	3.46E-06	4.32E-07	2.72E-09	4.35E-07
99	571590.6	4177999	0.55, 41779	0.32897	0.28857	117.12124	19.87515	14.64016	6.7762	9.57359E-09	5.28E-11	9.63E-09	3.41E-06	3.63E-09	3.41E-06	4.26E-07	2.68E-09	4.29E-07
100	570310.6	4178039	0.55, 41780	0.09395	0.07118	60.38117	27.45867	7.54765	4.57644	2.73411E-09	1.30E-11	2.75E-09	1.76E-06	5.02E-09	1.76E-06	2.2E-07	1.38E-09	2.21E-07
101	570350.6	4178039	0.55, 41780	0.10181	0.07823	67.40685	28.30867	8.42586	4.71811	2.96284E-09	1.43E-11	2.98E-09	1.96E-06	5.18E-09	1.97E-06	2.45E-07	1.54E-09	2.47E-07

280	570910.6	4178239	0.55, 41782	0.85302	1.23442	293.13359	117.47886	47.06613	30.6738	2.48243E-08	2.26E-10	2.51E-08	8.53E-06	2.15E-08	8.55E-06	1.37E-06	8.61E-09	1.38E-06	7.73E-12	2.33E-11	1.35E-11	1.2E-10	2.89E-09	1.59E-10	3.16995E-09	1.253E-07	8.5522E-06	1.38E-06	6.4238E-12	4.21218E-10	3.94625E-12	8.62537E-11
281	570950.6	4178239	0.55, 41782	1.35023	1.79208	455.80102	142.22416	68.40553	39.86266	3.9294E-08	3.28E-10	3.96E-08	1.33E-05	2.60E-08	1.33E-05	1.99E-06	1.25E-08	2E-06	1.22E-11	3.69E-11	2.14E-11	1.89E-10	4.57E-09	2.52E-10	5.01391E-09	1.981E-07	1.3291E-05	2E-06	1.01605E-11	6.6624E-10	6.24178E-12	1.36427E-10
282	570990.6	4178239	0.55, 41782	3.0182	3.06414	885.93977	193.04223	147.1874	58.20401	8.78348E-08	5.60E-10	8.84E-08	2.58E-05	3.53E-08	2.58E-05	4.28E-06	2.69E-08	4.31E-06	2.73E-11	8.24E-11	4.77E-11	4.22E-10	1.02E-08	5.63E-10	1.11859E-08	4.42E-07	2.5818E-05	4.31E-06	2.26679E-11	1.48637E-09	1.39253E-11	3.04366E-10
283	571030.6	4178239	0.55, 41782	7.70332	4.46365	679.65913	243.63294	144.28562	71.78775	2.2418E-07	8.16E-10	2.25E-07	1.98E-05	4.46E-08	1.98E-05	4.2E-06	2.64E-08	4.23E-06	6.94E-11	2.1E-10	1.21E-10	1.07E-09	2.6E-08	1.43E-09	2.8472E-08	1.125E-06	1.9824E-05	4.23E-06	5.76976E-11	3.78331E-09	3.54446E-11	7.74717E-10
284	571110.6	4178239	0.55, 41782	48.37684	13.76668	1082.14109	288.2044	441.33003	115.9324	1.40785E-06	2.52E-09	1.41E-06	3.15E-05	5.27E-08	3.15E-05	1.28E-05	8.07E-08	1.29E-05	4.35E-10	1.31E-09	7.61E-10	6.74E-09	1.63E-07	8.98E-09	1.78474E-07	7.052E-06	3.1545E-05	1.29E-05	3.61672E-10	2.37153E-08	2.22181E-10	4.85624E-09
285	571150.6	4178239	0.55, 41782	14.38318	6.22649	550.93904	192.81003	147.46183	59.89562	4.18575E-07	1.14E-09	4.2E-07	1.6E-05	3.53E-08	1.61E-05	4.29E-06	2.70E-08	4.32E-06	1.3E-10	3.91E-10	2.26E-10	2.01E-09	4.84E-08	2.67E-09	5.31125E-08	2.099E-06	1.6069E-05	4.32E-06	1.07631E-10	7.0575E-09	6.61193E-11	1.44518E-09
286	571190.6	4178239	0.55, 41782	8.08563	4.10425	423.01159	138.20819	88.76631	43.45879	2.35306E-07	7.51E-10	2.36E-07	1.23E-05	2.53E-08	1.23E-05	2.58E-06	1.62E-08	2.6E-06	7.28E-11	2.2E-10	1.27E-10	1.13E-09	2.72E-08	1.5E-09	2.98716E-08	1.18E-06	1.2336E-05	2.6E-06	6.05339E-11	3.96929E-09	3.71869E-11	8.128E-10
287	571230.6	4178239	0.55, 41782	5.48613	3.01374	364.79857	99.98669	64.1708	32.88659	1.59656E-07	5.51E-10	1.6E-07	1.06E-05	1.83E-08	1.06E-05	1.87E-06	1.17E-08	1.88E-06	4.94E-11	1.49E-10	8.64E-11	7.65E-10	1.85E-08	1.02E-09	2.02733E-08	8.01E-07	1.0635E-05	1.88E-06	4.10832E-11	2.69388E-09	2.52381E-11	5.51632E-10
288	571270.6	4178239	0.55, 41782	3.91656	2.30583	308.69657	91.16262	42.97299	25.31404	1.13979E-07	4.22E-10	1.14E-07	8.98E-06	1.67E-08	9E-06	1.25E-06	7.86E-09	1.26E-06	3.53E-11	1.07E-10	6.17E-11	5.47E-10	1.32E-08	7.28E-10	1.44767E-08	5.72E-07	9.0003E-06	1.26E-06	2.93366E-11	1.92364E-09	1.8022E-11	3.93909E-10
289	571310.6	4178239	0.55, 41782	2.81911	1.80691	238.76095	82.99282	36.57222	19.65898	8.20409E-08	3.30E-10	8.24E-08	6.95E-06	1.52E-08	6.96E-06	1.06E-06	6.69E-09	1.07E-06	2.54E-11	7.67E-11	4.44E-11	3.94E-10	9.51E-09	5.24E-10	1.04236E-08	4.119E-07	6.9635E-06	1.07E-06	2.11232E-11	1.38508E-09	1.29763E-11	2.83625E-10
290	571350.6	4178239	0.55, 41782	2.07392	1.43877	186.98174	75.01218	31.16362	15.62493	6.03546E-08	2.63E-10	6.06E-08	5.44E-06	1.37E-08	5.46E-06	9.07E-07	5.70E-09	9.13E-07	1.87E-11	5.65E-11	3.27E-11	2.9E-10	7E-09	3.86E-10	7.67084E-09	3.031E-07	5.4552E-06	9.13E-07	1.55447E-11	1.01929E-09	9.54937E-12	2.08722E-10
291	571390.6	4178239	0.55, 41782	1.57003	1.1589	153.36435	67.14235	25.56072	13.28221	4.56906E-08	2.12E-10	4.59E-08	4.46E-06	1.23E-08	4.48E-06	7.44E-07	4.67E-09	7.49E-07	1.42E-11	4.28E-11	2.48E-11	2.19E-10	5.3E-09	2.92E-10	5.80871E-09	2.295E-07	4.4754E-06	7.49E-07	1.17712E-11	7.71852E-10	7.23121E-12	1.58054E-10
292	571430.6	4178239	0.55, 41782	1.23548	0.94866	124.99719	59.46648	20.83286	11.6734	3.59546E-08	1.73E-10	3.61E-08	3.64E-06	1.09E-08	3.65E-06	6.06E-07	3.81E-09	6.1E-07	1.11E-11	3.37E-11	1.95E-11	1.73E-10	4.17E-09	2.3E-10	4.57181E-09	1.806E-07	3.6485E-06	6.1E-07	9.26462E-12	6.07494E-10	5.69141E-12	1.24398E-10
293	571470.6	4178239	0.55, 41782	0.99131	0.7845	109.3041	54.21436	17.2339	10.26711	2.88488E-08	1.43E-10	2.9E-08	3.18E-06	9.91E-09	3.19E-06	5.02E-07	3.15E-09	5.05E-07	8.95E-12	2.7E-11	1.56E-11	1.39E-10	3.35E-09	1.85E-10	3.66882E-09	1.45E-07	3.1909E-06	5.05E-07	7.43473E-12	4.87506E-10	4.56728E-12	9.98276E-11
294	571510.6	4178239	0.55, 41782	0.81688	0.65976	100.30585	50.40167	14.55844	9.03737	2.37726E-08	1.21E-10	2.39E-08	2.92E-06	9.22E-09	2.93E-06	4.24E-07	2.66E-09	4.26E-07	7.37E-12	2.23E-11	1.29E-11	1.14E-10	2.76E-09	1.52E-10	3.02356E-09	1.195E-07	2.9283E-06	4.26E-07	6.12715E-12	4.01766E-10	3.76401E-12	8.22704E-11
295	571550.6	4178239	0.55, 41782	0.68618	0.56281	92.19218	46.80105	12.52836	7.96128	1.9969E-08	1.03E-10	2.01E-08	2.68E-06	8.56E-09	2.69E-06	3.65E-07	2.29E-09	3.67E-07	6.19E-12	1.87E-11	1.08E-11	9.59E-11	2.32E-09	1.28E-10	2.53999E-09	1.004E-07	2.6915E-06	3.67E-07	5.14721E-12	3.3751E-10	3.16202E-12	6.91126E-11
296	571590.6	4178239	0.55, 41782	0.57854	0.48285	84.94405	43.3686	10.89629	7.01254	1.68365E-08	8.83E-11	1.69E-08	2.47E-06	7.93E-09	2.48E-06	3.17E-07	1.99E-09	3.19E-07	5.22E-12	1.58E-11	9.13E-12	8.09E-11	1.95E-09	1.08E-10	2.14174E-09	8.462E-08	2.4799E-06	3.19E-07	4.34017E-12	2.84591E-10	2.66624E-12	5.82763E-11
297	570310.6	4178279	0.55, 41782	0.11004	0.07807	74.04292	22.79319	10.17864	3.64675	3.20235E-09	1.43E-11	3.22E-09	2.15E-06	4.17E-09	2.16E-06	2.96E-07	1.86E-09	2.98E-07	9.93E-13	3E-12	1.73E-12	1.54E-11	3.71E-10	2.05E-11	4.07047E-10	1.608E-08	2.1589E-06	2.98E-07	8.24867E-13	5.40877E-11	5.06729E-13	1.10757E-11
298	570350.6	4178279	0.55, 41782	0.12249	0.08802	80.9847	23.74961	11.08549	3.81596	3.56467E-09	1.61E-11	3.58E-09	2.36E-06	4.34E-09	2.36E-06	3.23E-07	2.03E-09	3.25E-07	1.1E-12	3.34E-12	1.93E-12	1.71E-11	4.13E-10	2.28E-11	4.53126E-10	1.79E-08	2.3611E-06	3.25E-07	9.18245E-13	6.02107E-11	5.64093E-13	1.23295E-11
299	570390.6	4178279	0.55, 41782	0.13757	0.10016	86.03589	24.80698	11.74551	4.00404	4.00352E-09	1.83E-11	4.02E-09	2.5E-06	4.54E-09	2.51E-06	3.42E-07	2.15E-09	3.44E-07	1.24E-12	3.75E-12	2.17E-12	1.92E-11	4.64E-10	2.56E-11	5.08942E-10	2.011E-08	2.5083E-06	3.44E-07	1.03135E-12	6.76273E-11	6.33577E-13	1.38482E-11
300	570430.6	4178279	0.55, 41782	0.15607	0.11514	96.31741	27.84204	12.03968	4.46456	4.5419E-09	2.11E-11	4.56E-09	2.8E-06	5.09E-09	2.81E-06	3.5E-07	2.20E-09	3.53E-07	1.41E-12	4.25E-12	2.46E-12	2.18E-11	5.27E-10	2.9E-11	5.77418E-10	2.281E-08	2.8081E-06	3.53E-07	1.17012E-12	7.67263E-11	7.18822E-13	1.57114E-11
301	570470.6	4178279	0.55, 41782	0.17907	0.13378	120.52086	33.01708	15.06511	5.41696	5.21124E-09	2.45E-11	5.24E-09	3.51E-06	6.04E-09	3.51E-06	4.38E-07	2.76E-09	4.41E-07	1.62E-12	4.88E-12	2.82E-12	2.5E-11	6.04E-10	3.33E-11	6.6255E-10	2.618E-08	3.5134E-06	4.41E-07	1.34264E-12	8.80386E-11	8.24803E-13	1.80278E-11
302	570510.6	4178279	0.55, 41782	0.20795	0.15724	141.57577	37.85068	17.69697	6.30845	6.0517E-09	2.88E-11	6.08E-09	4.12E-06	6.92E-09	4.13E-06	5.15E-07	3.24E-09	5.18E-07	1.88E-12	5.67E-12	3.28E-12	2.9E-11	7.02E-10	3.87E-11	7.69449E-10	3.04E-08	4.127E-06	5.18E-07	1.55926E-12	1.02243E-10	9.5788E-13	2.09365E-11
303	570550.6	4178279	0.55, 41782	0.24435	0.18714	153.17347	42.50173	19.14668	7.08362	7.111E-09	3.42E-11	7.15E-09	4.46E-06	7.77E-09	4.47E-06	5.57E-07	3.50E-09	5.61E-07	2.2E-12	6.66E-12	3.85E-12	3.41E-11	8.25E-10	4.55E-11	9.0419E-10	3.573E-08	4.4654E-06	5.61E-07	1.83231E-12	1.20147E-10	1.12562E-12	2.46028E-11
304	570590.6	4178279	0.55, 41782	0.28993	0.22577	157.86485	46.41285	19.73311	7.73548	8.43746E-09	4.13E-11	8.48E-09	4.59E-06	8.49E-09	4.6E-06	5.74E-07	3.61E-09	5.78E-07	2.62E-12	7.9E-12	4.57E-12	4.05E-11	9.78E-10	5.4E-11	1.07294E-09	4.239E-08	4.6026E-06	5.78E-07	2.17428E-12	1.4257E-10	1.33569E-12	2.91944E-11
305	570630.6	4178279	0.55, 41782	0.34541	0.27631	169.89337	50.77009	21.23667	9.57894	1.0052E-08	5.05E-11	1.01E-08	4.94E-06	9.28E-09	4.95E-06	6.18E-07	3.88E-09	6.22E-07	3.12E-12	9.41E-12	5.45E-12	4.83E-11	1.17E-09	6.43E-11	1.27842E-09	5.051E-08	4.9535E-06	6.22E-07	2.59068E-12	1.69875E-10	1.5915E-12	3.47856E-11
306	570670.6	4178279	0.55, 41782	0.40869	0.34273	189.16159	55.36754	23.6452	11.64813	1.18936E-08	6.27E-11	1.2E-08	5.5E-06	1.01E-08	5.52E-06	6.88E-07	4.32E-09	6.92E-07	3.69E-12	1.11E-11	6.45E-12	5.71E-11	1.38E-09	7.61E-11	1.513E-09	5.978E-08	5.5151E-06	6.92E-07	3.06604E-12	2.01045E-10	1.88352E-12	4.11683E-11
307	570710.6	4178279	0.55, 41782	0.47241	0.42944	202.37611	59.97812	25.29701	13.4468	1.37479E-08	7.85E-11	1.38E-08	5.89E-06	1.10E-08	5.9E-06	7.36E-07	4.63E-09	7.41E-07	4.27E-12	1.29E-11	7.46E-12	6.61E-11	1.6E-09	8.8E-11	1.74966E-09	6.913E-08	5.9005E-06	7.41E-07	3.54564E-12	2.32493E-10	2.17814E-12	4.7608E-11
308	570750.6	4178279	0.55, 41782	0.52143	0.53099	207.36077	66.44988	28.38204	16.35494	1.51745E-08	9.71E-11	1.53E-08	6.03E-06	1.22E-08	6.05E-06	8.26E-07	5.19E-09	8.31E-07	4.71E-12	1.42E-11	8.24E-12	7.3E-11	1.76E-09	9.72E-11	1.93254E-09	7.636E-08	6.0467E-06	8.31E-07	3.91623E-12	2.56793E-10	2.4058E-12	5.25839E-11
309	570790.6	4178279	0.55, 41782	0.56782	0.69623	217.33897	75.80804	33.24185	20.36018	1.65245E-08	1.27E-10	1.67E-08	6.32E-06	1.39E-08	6.34E-06	9.67E-07	6.08E-09	9.73E-07	5.14E-12	1.55E-11	8.98E-12	7.96E-11	1.92E-09	1.06E-10	2.1072E-09	8.326E-08	6.3388E-06	9.73E-07	4.27017E-12	2.80001E-10	2.62324E-12	5.73365E-11
310	570830.6	4178279	0.55, 41782	0.62461	0.91706	236.67869	94.57659	34.09074	24.90976	1.81772E-08	1.68E-10	1.83E-08	6.89E-06	1.73E-08	6.91E-06	9.92E-07	6.23E-09	9.98E-07	5.66E-12	1.71E-11	9.89E-12	8.76E-11	2.12E-09	1.17E-10	2.32145E-09	9.172E-08	6.905E-06	9.98E-07	4.70434E-12	3.0847E-10	2.88995E-12	6.31661E-11
311	570870.6	4178279	0.55, 41782	0.74364	1.27032	232.57719	121.10786	38.76287	29.17824	2.16412E-08	2.32E-10	2.19E-08	6.77E-06	2.21E-08	6.79E-06	1.13E-06	7.09E-09	1.14E-06	6.75E-12	2.04E-11	1.18E-11	1.05E-10	2.52E-09	1.39E-10	2.76797E-09	1.094E-07	6.7905E-06	1.14E-06	5.6092E-12	3.67804E-10	3.44583E-12	7.53159E-11
312	570910.6	4178279	0.55, 41782	0.98087	1.94043	289.58181	139.00222	48.26363	45.30681	2.8545E-08	3.55E-10	2.89E-08	8.43E-06	2.54E-08	8.45E-06	1.4E-06	8.83E-09	1.41E-06	8.92E-12	2.69E-11	1.56E-11	1.38E-10	3.34E-09	1.84E-10	3.65712E-09	1.445E-07	8.4527E-06	1.41E-06	7.41103E-12	4.85952E-10	4.55272E-12	9.95093E-11
313	570950.6	4178279	0.55, 41782	1.54705	3.33468	380.89662	209.14004	63.48277	60.99964	4.50218E-08	6.10E-10	4.56E-08	1.11E-05	3.82E-08	1.11E-05	1.85E-06	1.16E-08	1.86E-06	1.41E-11	4.25E-11	2.46E-11	2.18E-10	5.27E-09	2.9E-10	5.77443E-09	2.282E-07	1.1123E-05	1.86E-06	1.17017E-11	7.67297E-10	7.18854E-12	1.57121E-10
314	571150.6	4178279	0.55, 41782	125.5821	15.27099	2183.625	235.47088	1020.3296	115.3363	3.65465E-06	2.79E-09	3.66E-06	6.35E-05	4.31E-08	6.36E-05	2.97E-05	1.87E-07	2.99E-05	1.13E-09	3.41E-09	1.97E-09	1.75E-08	4.22E-07	2.33E-08	4.6283E-07	1.829E-05	6.359E-05	2.99E-05	9.37909E-10	6.15001E-08	5.76173E-10	1.25935E-08
315	571190.6	4178279	0.55, 41782	19.14498	7.50998	704.1647	157.76938	186.41477	61.8786	5.57152E-07	1.37E-09	5.59E-07	2.05E-05	2.89E-08	2.05E-05	5.42E-06	3.41E-08	5.46E-06	1.72E-10	5.2E-10	3.01E-10	2.67E-09	6.45E-08	3.56E-09	7.06783E-08	2.793E-06	2.0521E-05	5.46E-06	1.43227E-10	9.39161E-09	8.79868E-11	1.92314E-09
316	571230.6	4178279	0.55, 41782	9.41744	4.44398	418.2482	120.63814	87.01567	39.51148	2.74064E-07	8.13E-10	2.75E-07	1.22E-05	2.21E-08	1.22E-05	2.53E-06	1.59E-08	2.55E-06	8.48E-11	2.56E-10	1.48E-10	1.31E-09	3.17E-08	1.75E-09	3.47841E-08	1.374E-06	1.2194E-05	2.55E-06	7.04888E-11	4.62205E-09	4.33024E-11	9.46467E-10
317	571270.6	4178279	0.55, 41782	5.33507	3.02277	265.61255	99.06709	58.88721	29.56115	1.5526E-07	5.53E-10	1.56E-07	7.73E-06	1.81E-08	7.75E-06	1.71E-06	1.08E-08	1.72E-06	4.81E-11	1.45E-10	8.4E-11	7.44E-10	1.8E-08	9.92E-10	1.97172E-08	7.791E-07	7.7479E-06	1.72E-06	3.99563E-11	2.61999E-09	2.45458E-11	5.36501E-10
318	571310.6	4178279	0.55, 41782	3.44949	2.20529	197.38222	83.78037	42.40574	23.44903	1.00386E-07	4.03E-10	1.01E-07	5.74E-06	1.53E-08	5.76E-06	1.23E-06	7.75E-09	1.24E-06	3.11E-11	9.39E-11	5.44E-11	4.82E-10	1.16E-08	6.42E-10	1.27543E-08	5.039E-07	5.7595E-06	1.24E-06	2.58463E-11	1.69478E-09	1.58778E-11	3.47043E-10
319	571350.6	4178279	0.55, 41782	2.42474	1.67304	164.77993	74.08708	31.82391	19.20475	7.05641E-08	3.06E-10	7.09E-08	4.8E-06	1.35E-08	4.81E-06	9.26E-07	5.82E-09	9.32E-07	2.19E-11	6.6E-11	3.82E-11	3.39E-10	8.18E-09	4.51E-10	8.96822E-09	3.544E-07	4.8089E-06	9.32E-07	1.81738E-11	1.19168E-09	1.11645E-11	2.44023E-10
320	571390.6	4178279	0.55, 41782	1.80332	1.30805	139.62437	66.18564	24.75802	16.07748	5.24797E-08	2.39E-10	5.27E-08	4.06E-06	1.21E-08	4.08E-06	7.21E-07	4.53E-09	7.25E-07	1.63E-11	4.91E-11	2.84E-11	2.52E-10	6.08E-09	3.36E-10	6.67129E-09	2.636E-07	4.0754E-06	7.25E-07	1.35191E-11	8.8647E-10	8.30503E-12	1.81524E-10
321	571430.6	4178279	0.55, 41782	1.38872	1.04688	120.07885	59.47148	19.78612	13.66223	4.04141E-08	1.91E-10	4.06E-08	3.49E-06	1.09E-08	3.51E-06	5.76E-07	3.62E-09	5.79E-07	1.25E-11	3.78E-11	2.19E-11	1.94E-10	4.69E-09	2.59E-10	5.13841E-09	2.03E-07	3.5054E-06	5.79E-07	1.04128E-11	6.82784E-10	6.39677E-12	1.39815E-10
322	571470.6	4178279	0.55, 41782	1.11171	0.86066	104.95004	53.66694	16.34545	11.81303	3.23527E-08	1.57E-10	3.25E-08	3.05E-06	9.81E-09	3.06E-06	4.76E-07	2.99E-09	4.79E-07	1E-11	3.03E-11	1.75E-11	1.55E-10	3.75E-09	2.07E-10	4.11397E-09	1.626E-07	3.064E-06	4.79E-07	8.33682E-12	5.46657E-10	5.12145E-12	1.1194E-10
323	571510.6	4178279	0.55, 41782	0.90331	0.71725	92.95227	48.50847	13.70064	10.27697	2.62879E-08	1.31E-10	2.64E-08	2.71E-06	8.87E-09	2.71E-06	3.99E-07	2.51E-09	4.01E-07	8.15E-12	2.46E-11	1.42E-11	1.26E-10	3.05E-09	1.68E-10	3.34318E-09	1.321E-07	2.7139E-06	4.01E-07	6.77485E-12	4.44237E-10	4.1619E-12	9.09673E-11
324	571550.6	4178279	0.55, 41782	0.74685	0.60641	83.35854	43.88956	11.6678	9.00306	2.17346E-08	1.11E-10	2.18E-08	2.43E-06	8.03E-09	2.43E-06	3.4E-07	2.13E-09	3.42E-07	6.74E-12	2.04E-11	1.18E-11	1.04E-10	2.52E-09	1.39E-10	2.76443E-09	1.092E-07	2.4339E-06	3.42E-07	5.60203E-12	3.67333E-10	3.44142E-12	7.52195E-11
325	571590.6	4178279	0.55, 41782	0.63093	0.52161	75.57295	41.1264	10.11638	7.96472	1.83611E-08	9.54E-11	1.85E-08	2.2E-06	7.52E-09	2.21E-06	2.94E-07	1.85E-09	2.96E-07	5.7E-12	1.72E-11	9.95E-12	8.82E-11	2.13E-09	1.17E-10	2.33557E-09	9.228E-08	2.2068E-06	2.96E-07	4.73296E-12	3.10347E-10	2.90754E-12	6.35504E-11
326	570310.6	4178319	0.55, 41783	0.1112	0.07908	65.67409	25.12162	10.72274	3.92383	3.23611E-09	1.45E-11	3.25E-09	1.91E-06	4.59E-09	1.92E-06	3.12E-07	1.96E-09	3.14E-07	1E-12	3.03E-12	1.75E-12	1.55E-11	3.75E-10	2.07E-11	4.11342E-10	1.625E-08	1.9158E-06	3.14E-07	8.33571E-13	5.46585E-11	5.12076E-13	1.11925E-11
327	570350.6	4178319	0.55, 41783	0.12381	0.08915	72.99363	26.3644	10.96785	4.13077	3.60308E-09	1.63E-11	3.62E-09	2.12E-06	4.82E-09	2.13E-06	3.19E-07	2.01E-09	3.21E-07	1.12E-12	3.37E-12	1.95E-12	1.73E-11	4.18E-10	2.3E-11	4.58014E-10	1.81E-08	2.1291E-06	3.21E-07	9.28149E-13	6.08601E-11	5.70177E-13	1.24624E-11
328	570390.6	4178319	0.55, 41783	0.13907	0.1015	85.61577	27.73961	11.84211	4.3586	4.04717E-09	1.86E-11	4.07E-09	2.49E-06	5.07E-09	2.5E-06	3.45E-07	2.17E-09	3.47E-07	1.25E-12	3.79E-12	2.19E-12	1.94E-11	4.69E-10	2.59E-11	5.14497E-10	2.033E-08	2.4966E-06	3.47E-07	1.04261E-12	6.83655E-11	6.40493E-13	1.39993E-11
329	570430.6	4178319	0.55, 41783	0.15783	0.11689	97.99246	29.27563	13.47747	4.61214	4.59312E-09	2.14E-11	4.61E-09	2.85E-06	5.35E-09	2.86E-06	3.92E-07	2.46E-09	3.95E-07	1.42E-12	4.3E-12	2.49E-12	2.2E-11	5.33E-10	2.94E-11	5.8394E-10	2.307E-08	2.8571E-06	3.95E-07	1.18333E-12	7.75929E-11	7.26942E-13	1.58889E-11
330	570470.6	4178319	0.55, 41783	0.18134	0.13633	108.90086	31.01454	14.92794	4.89871	5.2773E-09	2.49E-11	5.3E-09	3.17E-06	5.67E-09	3.17E-06	4.34E-07	2.73E-09	4.37E-07	1.64E-12	4.94E-12	2.86E-12	2.53E-11	6.12E-10	3.38E-11	6.70969E-10	2.651E-08	3.1749E-06	4.37E-07	1.3597E-12	8.91572E-11	8.35284E-13	1.82569E-11
331	570510.6	4178319	0.55, 41783	0.21129	0.16124	118.40452	33.29424	15.9306	5.40834	6.1489E-09	2.95E-11	6.18E-09	3.45E-06	6.09E-09	3.45E-06	4.64E-07	2.91E-09	4.67E-07	1.91E-12	5.76E-12	3.33E-12	2.95E-11	7.13E-10	3.93E-11	7.81841E-10	3.089E-08	3.4519E-06	4.67E-07	1.58438E-12	1.0389E-10	9.73307E-13	2.12737E-11
332	570550.6	4178319	0.55, 41783	0.2503	0.19368	153.9338	39.94632	19.24172	6.62991	7.28416E-09	3.54E-11	7.32E-09	4.48E-06	7.31E-09	4.49E-06	5.6E-07	3.52E-09	5.63E-07	2.26E-12	6.82E-12	3.95E-12	3.5E-11	8.45E-10	4.66E-11	9.26253E-10	3.66E-08	4.487E-06	5.63E-07	1.87702E-12	1.23079E-10	1.15308E-12	2.52031E-11
333	570590.6	4178319	0.55, 41783	0.30196	0.23671	186.54438	46.61587	23.31805	7.76931	8.78755E-09	4.33E-11	8.83E-09	5.43E-06	8.52E-09	5.44E-06	6.79E-07	4.26E-09	6.83E-07	2.73E-12	8.23E-12	4.76E-12	4.22E-11	1.02E-09	5.62E-11	1.11749E-09	4.415E-08	5.4373E-06	6.83E-07	2.26457E-12	1.48491E-10	1.39116E-12	3.04068E-11
334	570630.6	4178319	0.55, 41783	0.37105	0.29503	205.0145	52.79857	25.62681	8.79976	1.07982E-08	5.40E-11	1.09E-08	5.97E-06	9.66E-09	5.98E-06	7.46E-07	4.69E-09	7.5E-07	3.35E-12	1.01E-11	5.85E-12	5.18E-11	1.25E-09	6.91E-11	1.37328E-09	5.426E-08	5.9759E-06	7.5E-07	2.78291E-12	1.82479E-10	1.70958E-12	3.73666E-11
335	570670.6	4178319	0.55, 41783	0.462	0.37572	218.45656	59.57781	27.30707	11.98561	1.3445E-08	6.87E-11	1.35E-08	6.36E-06	1.09E-08	6.37E-06	7.95E-07	4.99E-09	8E-07	4.17E-12	1.26E-11	7.29E-12	6.46E-11	1.56E-09	8.6E-11	1.71009E-09	6.757E-08	6.3684E-06	8E-07	3.46543E-12	2.27233E-10	2.12887E-12	4.6531E-11
336	570710.6	4178319	0.55, 41783	0.57218	0.48827	242.44958	66.62286	30.3062	15.15553	1.66514E-08	8.93E-11	1.67E-08	7.06E-06	1.22E-08	7.07E-06	8.82E-07	5.54E-09	8.88E-07	5.17E-12	1.56E-11	9.03E-12	8E-11	1.93E-09	1.07E-10	2.11845E-09	8.37E-08	7.0679E-06	8.88E-07	4.29296E-12	2.81495E-10	2.63723E-12	5.76424E-11
337	570750.6	4178319	0.55, 41783	0.67767	0.63416	262.41203	72.71034	32.8015	17.84948	1.97214E-08	1.16E-10	1.98E-08	7.64E-06	1.33E-08	7.65E-06	9.55E-07	6.00E-09	9.61E-07	6.12E-12	1.85E-11	1.07E-11	9.48E-11	2.29E-09	1.26E-10	2.51031E-09	9.919E-08	7.6499E-06	9.61E-07	5.08705E-12	3.33565E-10	3.12506E-12	6.83048E-11
338	570790.6	4178319	0.55, 41783	0.76041	0.85502	285.66779	86.45349	42.9347	23.67926	2.21292E-08	1.56E-10	2.23E-08	8.31E-06	1.58E-08	8.33E-06	1.25E-06	7.85E-09	1.26E-06	6.88E-12	2.08E-11	1.2E-11	1.06E-10	2.57E-09	1.42E-10	2.82012E-09	1.114E-07	8.3292E-06	1.26E-06	5.71488E-12	3.74733E-10	3.51074E-12	7.67348E-11
339	570830.6	4178319	0.55, 41783	0.82107	1.23378	302.59427	109.05103	45.07728	29.79255	2.38945E-08	2.26E-10	2.41E-08	8.81E-06	1.99E-08	8.83E-06	1.31E-06	8.24E-09	1.32E-06	7.44E-12	2.25E-11	1.3E-11	1.15E-10	2.78E-09	1.54E-10	3.05228E-09	1.206E-07	8.826E-06	1.32E-06	6.18534E-12	4.05581E-10	3.79975E-12	8.30517E-11
340	570870.6	4178319	0.55, 41783	0.93174	1.8881	263.71888	150.69846	37.23183	42.82711	2.71152E-08	3.45E-10	2.75E-08	7.67E-06	2.76E-08	7.7E-06	1.08E-06	6.81E-09	1.09E-06	8.47E-12	2.56E-11	1.48E-11	1.31E-10	3.17E-09	1.75E-10	3.47498E-09	1.373E-07	7.7022E-06	1.09E-06	7.04193E-12	4.61749E-10	4.32597E-12	9.45534E-11
341	570910.6	4178319	0.55, 41783	1.19482	3.5981	225.26352	195.84246	37.31993	59.22953	3.47713E-08	6.58E-10	3.54E-08	6.56E-06	3.58E-08	6.59E-06	1.09E-06	6.82E-09	1.09E-06	1.09E-11	3.3E-11	1.91E-11	1.69E-10	4.09E-09	2.26E-10	4.48339E-09	1.771E-07	6.5914E-06	1.09E-06	9.08543E-12	5.95745E-10	5.58133E-12	1.21992E-10
342	571190.6	4178319	0.55, 41783	29.13102	9.74239	1204.46355	192.40018	337.10397	86.14095	8.47762E-07	1.78E-09	8.5E-07	3.51E-05	3.52E-08	3.51E-05	9.81E-06	6.16E-08	9.87E-06	2.62E-10	7.92E-10	4.58E-10	4.06E-09	9.8E-08	5.41E-09	1.07505E-07	4.248E-06	3.5087E-05	9.87E-06	2.17856E-10	1.42851E-08	1.33832E-10	2.92519E-09
343	571230.6	4178319	0.55, 41783	10.45163	5.25398	479.33008	117.37647	126.19986	44.06446	3.0416E-07	9.61E-10	3.05E-07	1.39E-05	2.15E-08	1.4E-05	3.67E-06	2.31E-08	3.7E-06	9.42E-11	2.84E-10	1.65E-10	1.46E-09	3.52E-08	1.94E-09	3.86114E-08	1.526E-06	1.3971E-05	3.7E-06	7.82447E-11	5.13062E-09	4.8067E-11	1.05061E-09
344	571270.6	4178319	0.55, 41783	5.72808	3.4301	292.22118	96.9874	63.79547	33.00222	1.66697E-07	6.27E-10	1.67E-07	8.5E-06	1.77E-08	8.52E-06	1.86E-06	1.17E-08	1.87E-06	5.16E-11	1.56E-10	9.03E-11	7.99E-10	1.93E-08	1.07E-09	2.1174E-08	8.366E-07	8.5219E-06	1.87E-06	4.29083E-11	2.81356E-09	2.63593E-11	5.76139E-10
345	571310.6	4178319	0.55, 41783	3.67711	2.43151	175.48484	83.52768	43.52526	25.92364	1.0701E-07	4.45E-10	1.07E-07	5.11E-06	1.53E-08	5.12E-06	1.27E-06	7.96E-09	1.27E-06	3.32E-11	1E-10	5.8E-11	5.13E-10	1.24E-08	6.84E-10	1.35978E-08	5.373E-07	5.1222E-06	1.27E-06	2.75555E-11	1.80686E-09	1.69278E-11	3.69994E-10
346	571350.6	4178319	0.55, 41783	2.57847	1.81872	135.74456	73.58424	31.86463	21.08438	7.50379E-08	3.33E-10	7.54E-08	3.95E-06	1.35E-08	3.96E-06	9.27E-07	5.83E-09	9.33E-07	2.33E-11	7.02E-11	4.07E-11	3.6E-10	8.7E-09	4.8E-10	9.53773E-09	3.769E-07	3.9639E-06	9.33E-07	1.93279E-11	1.26736E-09	1.18734E-11	2.59519E-10
347	571390.6	4178319	0.55, 41783	1.91038	1.41202	114.67965	65.84745	24.95277	17.54375	5.55953E-08	2.58E-10	5.59E-08	3.34E-06	1.20E-08	3.35E-06	7.26E-07	4.56E-09	7.31E-07	1.72E-11	5.2E-11	3.01E-11	2.67E-10	6.45E-09	3.56E-10	7.06796E-09	2.793E-07	3.3494E-06	7.31E-07	1.4323E-11	9.39179E-10	8.79885E-12	1.92318E-10
348	571430.6	4178319	0.55, 41783	1.47151	1.12853	100.57811	59.61061	20.18585	14.84739	4.28235E-08	2.06E-10	4.3E-08	2.93E-06	1.09E-08	2.94E-06	5.87E-07	3.69E-09	5.91E-07	1.33E-11	4.01E-11	2.32E-11	2.06E-10	4.97E-09	2.74E-10	5.44519E-09	2.151E-07	2.9379E-06	5.91E-07	1.10345E-11	7.23548E-10	6.77867E-12	1.48162E-10
349	571470.6	4178319	0.55, 41783	1.16585	0.92218	90.09229	54.43044	16.69193	12.71837	3.39282E-08	1.69E-10	3.41E-08	2.62E-06	9.95E-09	2.63E-06	4.86E-07	3.05E-09	4.89E-07	1.05E-11	3.18E-11	1.84E-11	1.63E-10	3.93E-09	2.17E-10	4.31477E-09	1.705E-07	2.6318E-06	4.89E-07	8.74374E-12	5.7334E-10	5.37142E-12	1.17404E-10
350	571510.6	4178319	0.55, 41783	0.94595	0.76805	81.52103	50.05282	14.06823	11.00608	2.75288E-08	1.40E-10	2.77E-08	2.37E-06	9.15E-09	2.38E-06	4.09E-07	2.57E-09	4.12E-07	8.54E-12	2.58E-11	1.49E-11	1.32E-10	3.19E-09	1.76E-10	3.50139E-09	1.383E-07	2.3816E-06	4.12E-07	7.09545E-12	4.65259E-10	4.35885E-12	9.5272E-11
351	571550.6	4178319	0.55, 41783	0.78212	0.64956	74.38547	46.28731	12.02264	9.59923	2.2761E-08	1.19E-10	2.29E-08	2.16E-06	8.46E-09	2.17E-06	3.5E-07	2.20E-09	3.52E-07	7.06E-12	2.13E-11	1.23E-11	1.09E-10	2.64E-09	1.46E-10	2.89532E-09	1.144E-07	2.1732E-06	3.52E-07	5.86726E-12	3.84725E-10	3.60435E-12	7.87809E-11
352	571590.6	4178319	0.55, 41783	0.65442	0.55508	68.29245	42.98116	10.3334	8.40789	1.90447E-08	1.02E-10	1.91E-08	1.99E-06	7.86E-09	2E-06	3.01E-07	1.89E-09	3.03E-07	5.91E-12	1.78E-11	1.03E-11	9.15E-11	2.21E-09	1.22E-10	2.42285E-09	9.573E-08	1.9953E-06	3.03E-07	4.90983E-12	3.21945E-10	3.01619E-12	6.59253E-11
353	570310.6	4178359	0.55, 41783	0.11229	0.07993	69.29068	26.58817	11.54845	4.0095	3.26783E-09	1.46E-11	3.28E-09	2.02E-06	4.86E-09	2.02E-06	3.36E-07	2.11E-09	3.38E-07	1.01E-12	3.06E-12	1.77E-12	1.57E-11	3.79E-10	2.09E-11	4.15376E-10	1.641E-08	2.0213E-06	3.38E-07	8.41745E-13	5.51945E-11	5.17098E-13	1.13023E-11
354	570350.6	4178359	0.55, 41783	0.12531	0.09043	75.30937	28.06345	12.55156	4.25756	3.64673E-09	1.65E-11	3.66E-09	2.19E-06	5.13E-09	2.2E-06	3.65E-07	2.30E-09	3.68E-07	1.13E-12	3.41E-12	1.98E-12	1.75E-11	4.23E-10	2.33E-11	4.63567E-10	1.832E-08	2.1968E-06	3.68E-07	9.39403E-13	6.1598E-11	5.77091E-13	1.26136E-11
355	570390.6	4178359	0.55, 41783	0.14084	0.10296	81.29058	29.71471	13.54843	4.53386	4.09868E-09	1.88E-11	4.12E-09	2.37E-06	5.43E-09	2.37E-06	3.94E-07	2.48E-09	3.97E-07	1.27E-12	3.84E-12	2.22E-12	1.97E-11	4.75E-10	2.62E-11	5.21049E-10	2.059E-08	2.3711E-06	3.97E-07	1.05589E-12	6.92361E-11	6.48649E-13	1.41776E-11
356	570430.6	4178359	0.55, 41783	0.15989	0.11858	87.11605	31.54887	14.51934	4.83992	4.65307E-09	2.17E-11	4.67E-09	2.54E-06	5.77E-09	2.54E-06	4.23E-07	2.66E-09	4.25E-07	1.44E-12	4.36E-12	2.52E-12	2.23E-11	5.39E-10	2.98E-11	5.91565E-10	2.337E-08	2.541E-06	4.25E-07	1.19879E-12	7.86062E-11	7.36434E-13	1.60963E-11
357	570470.6	4178359	0.55, 41783	0.18374	0.13844	97.3598	33.59814	15.36354	5.1813	5.34715E-09	2.53E-11	5.37E-09	2.83E-06	6.14E-09	2.84E-06	4.47E-07	2.81E-09	4.5E-07	1.66E-12	5.01E-12	2.9E-12	2.57E-11	6.2E-10	3.42E-11	6.79856E-10	2.686E-08	2.8395E-06	4.5E-07	1.37771E-12	9.03381E-11	8.46347E-13	1.84987E-11
358	570510.6	4178359	0.55, 41783	0.21432	0.16421	118.04415	35.93263	16.48105	5.5698	6.23708E-09	3.00E-11	6.27E-09	3.44E-06	6.57E-09	3.44E-06	4.8E-07	3.01E-09	4.83E-07	1.93E-12	5.84E-12	3.38E-12	2.99E-11	7.23E-10	3.99E-11	7.93069E-10	3.134E-08	3.4419E-06	4.83E-07	1.60713E-12	1.05382E-10	9.87284E-13	2.15792E-11
359	570550.6	4178359	0.55, 41783	0.25472	0.19842	139.50155	38.63371	19.4148	6.01971	7.41279E-09	3.63E-11	7.45E-09	4.06E-06	7.07E-09	4.07E-06	5.65E-07	3.55E-09	5.69E-07	2.3E-12	6.94E-12	4.02E-12	3.56E-11	8.6E-10	4.74E-11	9.4264E-10	3.725E-08	4.0668E-06	5.69E-07	1.91023E-12	1.25256E-10	1.17348E-12	2.5649E-11
360	570590.6	4178359	0.55, 41783	0.30979	0.24497	159.83108	41.83842	22.23989	6.84975	9.01542E-09	4.48E-11	9.06E-09	4.65E-06	7.65E-09	4.66E-06	6.47E-07	4.07E-09	6.51E-07	2.8E-12	8.44E-12	4.89E-12	4.33E-11	1.05E-09	5.77E-11	1.14652E-09	4.53E-08	4.659E-06	6.51E-07	2.32339E-12	1.52348E-10	1.42729E-12	3.11966E-11
361	570630.6	4178359	0.55, 41783	0.38734	0.31015	206.43147	51.05257	25.80393	8.50876	1.12723E-08	5.67E-11	1.13E-08	6.01E-06	9.34E-09	6.02E-06	7.51E-07	4.72E-09	7.56E-07	3.5E-12	1.06E-11	6.11E-12	5.41E-11	1.31E-09	7.21E-11	1.43362E-09	5.664E-08	6.0168E-06	7.56E-07	2.90518E-12	1.90497E-10	1.7847E-12	3.90085E-11
362	570670.6	4178359	0.55, 41783	0.50063	0.40488	262.98595	60.70684	32.87324	10.74505	1.45692E-08	7.40E-11	1.46E-08	7.65E-06	1.11E-08	7.66E-06	9.57E-07	6.01E-09	9.63E-07	4.52E-12	1.36E-11	7.9E-12	7E-11	1.69E-09	9.32E-11	1.85302E-09	7.322E-08	7.6644E-06	9.63E-07	3.75509E-12	2.46226E-10	2.30681E-12	5.04203E-11
363	570710.6	4178359	0.55, 41783	0.66972	0.54814	304.17814	72.14807	38.02227	15.71205	1.949E-08	1.00E-10	1.96E-08	8.85E-06	1.32E-08	8.87E-06	1.11E-06	6.95E-09	1.11E-06	6.05E-12	1.83E-11	1.06E-11	9.36E-11	2.26E-09	1.25E-10	2.47904E-09	9.795E-08	8.8653E-06	1.11E-06	5.02369E-12	3.2941E-10	3.08613E-12	6.7454E-11
364	570750.6	4178359	0.55, 41783	0.90523	0.76876	339.35657	85.82023	44.72327	21.31802	2.63437E-08	1.41E-10	2.65E-08	9.88E-06	1.57E-08	9.89E-06	1.3E-06	8.18E-09	1.31E-06	8.17E-12	2.47E-11	1.43E-11	1.27E-10	3.06E-09	1.69E-10	3.35145E-09	1.324E-07	9.8915E-06	1.31E-06	6.7916E-12	4.45335E-10	4.17219E-12	9.11921E-11
365	570790.6	4178359	0.55, 41783	1.13154	1.06104	377.53193	96.31599	54.94081	27.90141	3.29297E-08	1.94E-10	3.31E-08	1.1E-05	1.76E-08	1.1E-05	1.6E-06	1.00E-08	1.61E-06	1.02E-11	3.09E-11	1.79E-11	1.58E-10	3.82E-09	2.11E-10	4.19164E-09	1.656E-07	1.1004E-05	1.61E-06	8.49421E-12	5.56977E-10	5.21813E-12	1.14053E-10
366	570830.6	4178359	0.55, 41783	1.33226	1.74963	411.58415	139.14147	69.46909	37.35577	3.8771E-08	3.20E-10	3.91E-08	1.2E-05	2.54E-08	1.2E-05	2.02E-06	1.27E-08	2.03E-06	1.21E-11	3.64E-11	2.11E-11	1.87E-10	4.51E-09	2.49E-10	4.94675E-09	1.955E-07	1.2003E-05	2.03E-06	1.00244E-11	6.57316E-10	6.15817E-12	1.346E-10
367	570870.6	4178359	0.55, 41783	1.45984	3.38436	346.78431	184.49712	52.43952	61.49528	4.24838E-08	6.19E-10	4.31E-08	1.01E-05	3.37E-08	1.01E-05	1.53E-06	9.59E-09	1.54E-06	1.33E-11	4.02E-11	2.32E-11	2.06E-10	4.97E-09	2.74E-10	5.45442E-09	2.155E-07	1.0126E-05	1.54E-06	1.10532E-11	7.24774E-10	6.79016E-12	1.48413E-10
368	571150.6	4178359	0.55, 41783	17.36196	17.82412	1537.79423	258.8776	350.34789	128.93656	5.05263E-07	3.26E-09	5.09E-07	4.48E-05	4.73E-08	4.48E-05	1.02E-05	6.41E-08	1.03E-05	1.57E-10	4.74E-10	2.74E-10	2.43E-09	5.87E-08	3.24E-09	6.43507E-08	2.543E-06	4.48E-05	1.03E-05	1.30405E-10	8.55082E-09	8.01097E-11	1.75097E-09
369	571190.6	4178359	0.55, 41783	10.35157	8.16971	590.93034	162.31709	161.82999	76.08872	3.01248E-07	1.49E-09	3.03E-07	1.72E-05	2.97E-08	1.72E-05	4.71E-06	2.96E-08	4.74E-06	9.34E-11	2.82E-10	1.63E-10	1.45E-09	3.49E-08	1.93E-09	3.83104E-08	1.514E-06	1.7227E-05	4.74E-06	7.76348E-11	5.09062E-09	4.76923E-11	1.04242E-09
370	571230.6	4178359	0.55, 41783	6.41954	4.85697	429.96716	118.18476	103.83364	47.29307	1.8682E-07	8.88E-10	1.88E-07	1.25E-05	2.16E-08	1.25E-05	3.02E-06	1.90E-08	3.04E-06	5.79E-11	1.75E-10	1.01E-10	8.97E-10	2.17E-08	1.19E-09	2.37534E-08	9.385E-07	1.2534E-05	3.04E-06	4.81355E-11	3.15631E-09	2.95704E-11	6.46325E-10
371	571270.6	4178359	0.55, 41783	4.24607	3.28764	330.34534	97.41521	71.25122	30.79427	1.23568E-07	6.01E-10	1.24E-07	9.61E-06	1.78E-08	9.63E-06	2.07E-06	1.30E-08	2.09E-06	3.83E-11	1.16E-10	6.7E-11	5.93E-10	1.43E-08	7.9E-10	1.57129E-08	6.208E-07	9.6314E-06	2.09E-06	3.18417E-11	2.08791E-09	1.95609E-11	4.27545E-10
372	571310.6	4178359	0.55, 41783	3.01802	2.39332	280.32399	84.30249	47.38187	23.6076	8.78295E-08	4.38E-10	8.83E-08	8.16E-06	1.54E-08	8.17E-06	1.38E-06	8.66E-09	1.39E-06	2.72E-11	8.22E-11	4.76E-11	4.22E-10	1.02E-08	5.62E-10	1.11697E-08	4.413E-07	8.1733E-06	1.39E-06	2.26351E-11	1.48422E-09	1.39051E-11	3.03926E-10
373	571350.6	4178359	0.55, 41783	2.25439	1.82521	223.1696	75.03337	32.74083	19.24184	6.56066E-08	3.34E-10	6.59E-08	6.49E-06	1.37E-08	6.51E-06	9.53E-07	5.99E-09	9.59E-07	2.03E-11	6.14E-11	3.56E-11	3.15E-10	7.61E-09	4.2E-10	8.3444E-09	3.297E-07	6.5083E-06	9.59E-07	1.69096E-11	1.10879E-09	1.03879E-11	2.27049E-10
374	571390.6	4178359	0.55, 41783	1.7395	1.43625	164.0034	68.00709	25.39154	16.17569	5.06224E-08	2.63E-10	5.09E-08	4.77E-06	1.24E-08	4.79E-06	7.39E-07	4.64E-09	7.44E-07	1.57E-11	4.74E-11	2.74E-11	2.43E-10	5.87E-09	3.24E-10	6.43923E-09	2.544E-07	4.7852E-06	7.44E-07	1.30489E-11	8.55634E-10	8.01614E-12	1.7521E-10
375	571430.6	4178359	0.55, 41783	1.37666	1.15767	113.66708	62.41604	21.33563	13.79366	4.00632E-08	2.12E-10	4.03E-08	3.31E-06	1.14E-08	3.32E-06	6.21E-07	3.90E-09	6.25E-07	1.24E-11	3.75E-11	2.17E-11	1.92E-10	4.65E-09	2.56E-10	5.09657E-09	2.014E-07	3.3193E-06	6.25E-07	1.0328E-11	6.77223E-10	6.34467E-12	1.38676E-10
376	571470.6	4178359	0.55, 41783	1.11313	0.95193	91.64258	57.80687	17.74486	11.89568	3.2394E-08	1.74E-10	3.26E-08	2.67E-06	1.06E-08	2.68E-06	5.16E-07	3.25E-09	5.2E-07	1E-11	3.03E-11	1.76E-11	1.56E-10	3.76E-09	2.07E-10	4.12131E-09	1.628E-07	2.6775E-06	5.2E-07	8.3517E-12	5.47633E-10	5.13059E-12	1.1214E-10
377	571510.6	4178359	0.55, 41783	0.9166	0.79605	82.11168	53.90312	14.64829	10.35284	2.66746E-08	1.46E-10	2.68E-08	2.39E-06	9.86E-09	2.4E-06	4.26E-07	2.68E-09	4.29E-07	8.28E-12	2.5E-11	1.45E-11	1.28E-10	3.1E-09	1.71E-10	3.39395E-09	1.341E-07	2.3994E-06	4.29E-07	6.87773E-12	4.50982E-10	4.2251E-12	9.23486E-11
378	571550.6	4178359	0.55, 41783	0.76622	0.67498	72.9064	50.52239	12.13868	9.07968	2.22983E-08	1.23E-10	2.24E-08	2.12E-06	9.24E-09	2.13E-06	3.53E-07	2.22E-09	3.55E-07	6.92E-12	2.09E-11	1.21E-11	1.07E-10	2.59E-09	1.43E-10	2.83735E-09	1.121E-07	2.1309E-06	3.55E-07	5.7498E-12	3.77022E-10	3.53219E-12	7.72036E-11
379	571590.6	4178359	0.55, 41783	0.64386	0.57575	65.94968	47.48497	10.99161	8.00686	1.87374E-08	1.05E-10	1.88E-08	1.92E-06	8.68E-09	1.93E-06	3.2E-07	2.01E-09	3.22E-07	5.81E-12	1.76E-11	1.02E-11	9E-11	2.17E-09	1.2E-10	2.38444E-09	9.421E-08	1.9279E-06	3.22E-07	4.83199E-12	3.16841E-10	2.96837E-12	6.48801E-11
380	570310.6	4178399	0.55, 41783	0.11287	0.08031	71.34246	27.87564	11.89041	3.82503	3.28471E-09	1.47E-11	3.3E-09	2.08E-06	5.10E-09	2.08E-06	3.46E-07	2.17E-09	3.48E-07	1.02E-12	3.07E-12	1.78E-12	1.58E-11	3.81E-10	2.1E-11	4.17521E-10	1.65E-08	2.0813E-06	3.48E-07	8.46092E-13	5.54794E-11	5.19768E-13	1.13606E-11
381	570350.6	4178399	0.55, 41783	0.12665	0.09175	75.96419	29.57043	12.46202	4.12173	3.68573E-09	1.68E-11	3.7E-09	2.21E-06	5.41E-09	2.22E-06	3.63E-07	2.28E-09	3.65E-07	1.14E-12	3.45E-12	2E-12	1.77E-11	4.27E-10	2.36E-11	4.68533E-10	1.851E-08	2.2161E-06	3.65E-07	9.49466E-13	6.22578E-11	5.83272E-13	1.27487E-11
382	570390.6	4178399	0.55, 41783	0.1425	0.10434	83.29233	31.439	13.04897	4.44958	4.14699E-09	1.91E-11	4.17E-09	2.42E-06	5.75E-09	2.43E-06	3.8E-07	2.39E-09	3.82E-07	1.29E-12	3.88E-12	2.25E-12	1.99E-11	4.81E-10	2.65E-11	5.27194E-10	2.083E-08	2.4297E-06	3.82E-07	1.06834E-12	7.00527E-11	6.56299E-13	1.43448E-11
383	570430.6	4178399	0.55, 41783	0.16211	0.12032	91.32735	33.521	14.59534	4.81492	4.71768E-09	2.20E-11	4.74E-09	2.66E-06	6.13E-09	2.66E-06	4.25E-07	2.67E-09	4.27E-07	1.46E-12	4.42E-12	2.56E-12	2.26E-11	5.47E-10	3.02E-11	5.99781E-10	2.37E-08	2.6639E-06	4.27E-07	1.21544E-12	7.96979E-11	7.46662E-13	1.63199E-11
384	570470.6	4178399	0.55, 41783	0.18668	0.14051	100.43451	35.89015	16.57018	5.22899	5.43271E-09	2.57E-11	5.46E-09	2.92E-06	6.56E-09	2.93E-06	4.82E-07	3.03E-09	4.85E-07	1.68E-12	5.09E-12	2.94E-12	2.61E-11	6.3E-10	3.47E-11	6.90731E-10	2.729E-08	2.9294E-06	4.85E-07	1.39974E-12	9.17832E-11	8.59885E-13	1.87946E-11
385	570510.6	4178399	0.55, 41783	0.21834	0.16684	112.76596	38.62084	18.79433	5.70408	6.35407E-09	3.05E-11	6.38E-09	3.28E-06	7.06E-09	3.29E-06	5.47E-07	3.44E-09	5.5E-07	1.97E-12	5.95E-12	3.44E-12	3.05E-11	7.37E-10	4.06E-11	8.07934E-10	3.192E-08	3.2887E-06	5.5E-07	1.63725E-12	1.07357E-10	1.00579E-12	2.19837E-11
386	570550.6	4178399	0.55, 41783	0.26039	0.20212	127.75395	41.82578	21.29232	6.25899	7.57779E-09	3.70E-11	7.61E-09	3.72E-06	7.65E-09	3.73E-06	6.2E-07	3.89E-09	6.24E-07	2.35E-12	7.09E-12	4.11E-12	3.64E-11	8.79E-10	4.85E-11	9.63606E-10	3.807E-08	3.7255E-06	6.24E-07	1.95272E-12	1.28042E-10	1.19958E-12	2.62195E-11
387	570590.6	4178399	0.55, 41783	0.3185	0.25095	144.10526	45.67081	24.01754	7.17597	9.26889E-09	4.59E-11	9.31E-09	4.19E-06	8.35E-09	4.2E-06	6.99E-07	4.39E-09	7.03E-07	2.87E-12	8.68E-12	5.02E-12	4.45E-11	1.07E-09	5.93E-11	1.17874E-09	4.657E-08	4.2021E-06	7.03E-07	2.38867E-12	1.56628E-10	1.4674E-12	3.20731E-11
388	570630.6	4178399	0.55, 41783	0.40291	0.32135	177.65061	50.39519	27.05917	8.74903	1.17254E-08	5.88E-11	1.18E-08	5.17E-06	9.22E-09	5.18E-06	7.87E-07	4.95E-09	7.92E-07	3.64E-12	1.1E-11	6.36E-12	5.63E-11	1.36E-09	7.5E-11	1.49122E-09	5.892E-08	5.1792E-06	7.92E-07	3.0219E-12	1.98151E-10	1.8564E-12	4.05757E-11
389	570670.6	4178399	0.55, 41783	0.53348	0.4284	224.79663	56.41372	32.60934	10.76331	1.55252E-08	7.83E-11	1.56E-08	6.54E-06	1.03E-08	6.55E-06	9.49E-07	5.96E-09	9.55E-07	4.81E-12	1.45E-11	8.42E-12	7.45E-11	1.8E-09	9.93E-11	1.97454E-09	7.802E-08	6.5523E-06	9.55E-07	4.00134E-12	2.62374E-10	2.45809E-12	5.37268E-11
390	570710.6	4178399	0.55, 41783	0.75271	0.60288	297.96202	70.92072	41.13122	14.0152	2.19051E-08	1.10E-10	2.2E-08	8.67E-06	1.30E-08	8.68E-06	1.2E-06	7.52E-09	1.2E-06	6.79E-12	2.05E-11	1.19E-11	1.05E-10	2.54E-09	1.4E-10	2.78593E-09	1.101E-07	8.6842E-06	1.2E-06	5.64559E-12	3.7019E-10	3.46818E-12	7.58045E-11
391	570750.6	4178399	0.55, 41783	1.15447	0.90762	416.42427	90.04322	52.05303	22.1169	3.3597E-08	1.66E-10	3.38E-08	1.21E-05	1.65E-08	1.21E-05	1.51E-06	9.52E-09	1.52E-06	1.04E-11	3.15E-11	1.82E-11	1.61E-10	3.9E-09	2.15E-10	4.27253E-09	1.688E-07	1.2135E-05	1.52E-06	8.65813E-12	5.67726E-10	5.31883E-12	1.16254E-10
392	570790.6	4178399	0.55, 41783	1.70092	1.35462	632.44551	121.09647	79.05569	31.00919	4.94997E-08	2.48E-10	4.97E-08	1.84E-05	2.21E-08	1.84E-05	2.3E-06	1.45E-08	2.32E-06	1.54E-11	4.64E-11	2.68E-11	2.38E-10	5.74E-09	3.17E-10	6.29526E-09	2.487E-07	1.8427E-05	2.32E-06	1.27571E-11	8.36504E-10	7.83692E-12	1.71293E-10
393	570830.6	4178399	0.55, 41783	3.46088	2.976	854.46592	185.76652	157.19416	64.23703	1.00718E-07	5.44E-10	1.01E-07	2.49E-05	3.40E-08	2.49E-05	4.57E-06	2.87E-08	4.6E-06	3.12E-11	9.43E-11	5.46E-11	4.84E-10	1.17E-08	6.45E-10	1.28141E-08	5.063E-07	2.49E-05	4.6E-06	2.59674E-11	1.70272E-09	1.59522E-11	3.48669E-10
394	571110.6	4178399	0.55, 41783	4.7766	17.70794	386.44752	237.89657	91.74551	117.26543	1.39007E-07	3.24E-09	1.42E-07	1.12E-05	4.35E-08	1.13E-05	2.67E-06	1.68E-08	2.69E-06	4.39E-11	1.33E-10	7.67E-11	6.8E-10	1.64E-08	9.06E-10	1.80004E-08	7.112E-07	1.129E-05	2.69E-06	3.64772E-11	2.39186E-09	2.24085E-11	4.89787E-10
395	571150.6	4178399	0.55, 41783	4.75682	9.04164	493.27775	194.83019	91.47407	80.27894	1.38432E-07	1.65E-09	1.4E-07	1.44E-05	3.56E-08	1.44E-05	2.66E-06	1.67E-08	2.68E-06	4.32E-11	1.31E-10	7.56E-11	6.69E-10	1.62E-08	8.92E-10	1.7727E-08	7.004E-07	1.4391E-05	2.68E-06	3.59232E-11	2.35553E-09	2.20682E-11	4.82348E-10
396	571190.6	4178399	0.55, 41783	4.13591	5.67532	541.83424	159.29594	82.25115	55.55038	1.20362E-07	1.04E-09	1.21E-07	1.58E-05	2.91E-08	1.58E-05	2.39E-06	1.50E-08	2.41E-06	3.75E-11	1.13E-10	6.55E-11	5.8E-10	1.4E-08	7.73E-10	1.53625E-08	6.07E-07	1.5797E-05	2.41E-06	3.11316E-11	2.04134E-09	1.91246E-11	4.1801E-10
397	571230.6	4178399	0.55, 41783	3.34043	3.91116	419.25179	113.41297	67.92735	42.50701	9.72122E-08	7.15E-10	9.79E-08	1.22E-05	2.07E-08	1.22E-05	1.98E-06	1.24E-08	1.99E-06	3.02E-11	9.12E-11	5.28E-11	4.68E-10	1.13E-08	6.23E-10	1.23922E-08	4.896E-07	1.2222E-05	1.99E-06	2.51124E-11	1.64665E-09	1.54269E-11	3.37189E-10
398	571270.6	4178399	0.55, 41783	2.69096	2.84934	276.99568	96.24025	46.4546	32.10306	7.83115E-08	5.21E-10	7.88E-08	8.06E-06	1.76E-08	8.08E-06	1.35E-06	8.50E-09	1.36E-06	2.43E-11	7.35E-11	4.25E-11	3.77E-10	9.1E-09	5.02E-10	9.97584E-09	3.942E-07	8.0786E-06	1.36E-06	2.02157E-11	1.32557E-09	1.24188E-11	2.7144E-10
399	571310.6	4178399	0.55, 41783	2.15304	2.16763	240.01182	84.08056	39.08125	24.00367	6.26571E-08	3.96E-10	6.31E-08	6.98E-06	1.54E-08	7E-06	1.14E-06	7.15E-09	1.14E-06	1.95E-11	5.87E-11	3.4E-11	3.01E-10	7.28E-09	4.01E-10	7.97908E-09	3.153E-07	7.0001E-06	1.14E-06	1.61693E-11	1.06025E-09	9.93309E-12	2.17109E-10
400	571350.6	4178399	0.55, 41783	1.74135	1.70512	224.12525	73.73672	31.06226	18.34101	5.06763E-08	3.12E-10	5.1E-08	6.52E-06	1.35E-08	6.54E-06	9.04E-07	5.68E-09	9.1E-07	1.57E-11	4.75E-11	2.75E-11	2.44E-10	5.88E-09	3.25E-10	6.45227E-09	2.549E-07	6.5359E-06	9.1E-07	1.30753E-11	8.57366E-10	8.03237E-12	1.75565E-10
401	571390.6	4178399	0.55, 41783	1.43215	1.37481	207.21833	64.01827	26.21992	15.02288	4.1678E-08	2.51E-10	4.19E-08	6.03E-06	1.17E-08	6.04E-06	7.63E-07	4.79E-09	7.68E-07	1.29E-11	3.91E-11	2.26E-11	2E-10	4.84E-09	2.67E-10	5.30594E-09	2.096E-07	6.0421E-06	7.68E-07	1.07523E-11	7.05045E-10	6.60532E-12	1.44373E-10
402	571430.6	4178399	0.55, 41783	1.19016	1.12906	179.9524	59.14274	22.49405	12.88734	3.46357E-08	2.06E-10	3.48E-08	5.24E-06	1.08E-08	5.25E-06	6.55E-07	4.11E-09	6.59E-07	1.08E-11	3.25E-11	1.88E-11	1.66E-10	4.02E-09	2.22E-10	4.40909E-09	1.742E-07	5.2477E-06	6.59E-07	8.93487E-12	5.85872E-10	5.48883E-12	1.1997E-10
403	571470.6	4178399	0.55, 41783	0.9966	0.93995	146.8642	55.47011	18.35802	11.23121	2.90028E-08	1.72E-10	2.92E-08	4.27E-06	1.01E-08	4.28E-06	5.34E-07	3.36E-09	5.38E-07	9E-12	2.72E-11	1.57E-11	1.39E-10	3.37E-09	1.86E-10	3.69189E-09	1.459E-07	4.2841E-06	5.38E-07	7.4815E-12	4.90573E-10	4.59601E-12	1.00456E-10
404	571510.6	4178399	0.55, 41783	0.8441	0.79417	113.63796	52.27286	14.20474	9.85599	2.45648E-08	1.45E-10	2.47E-08	3.31E-06	9.56E-09	3.32E-06	4.13E-07	2.60E-09	4.16E-07	7.63E-12	2.3E-11	1.33E-11	1.18E-10	2.85E-09	1.57E-10	3.12691E-09	1.235E-07	3.3166E-06	4.16E-07	6.33659E-12	4.15499E-10	3.89267E-12	8.50826E-11
405	571550.6	4178399	0.55, 41783	0.71988	0.67749	84.04695	49.45688	12.59546	8.65245	2.09497E-08	1.24E-10	2.11E-08	2.45E-06	9.04E-09	2.45E-06	3.67E-07	2.30E-09	3.69E-07	6.5E-12	1.96E-11	1.14E-11	1.01E-10	2.43E-09	1.34E-10	2.66675E-09	1.054E-07	2.455E-06	3.69E-07	5.40409E-12	3.54354E-10	3.31982E-12	7.25617E-11
406	571590.6	4178399	0.55, 41783	0.61846	0.58359	61.25343	46.95039	11.31778	7.65227	1.79982E-08	1.07E-10	1.81E-08	1.78E-06	8.59E-09	1.79E-06	3.29E-07	2.07E-09	3.31E-07	5.59E-12	1.69E-11	9.77E-12	8.65E-11	2.09E-09	1.15E-10	2.29109E-09	9.052E-08	1.7912E-06	3.31E-07	4.64281E-12	3.04436E-10	2.85215E-12	6.23399E-11
407	570310.6	4178439	0.55, 41784	0.11265	0.08111	78.47962	27.91467	13.07994	3.48933	3.27831E-09	1.48E-11	3.29E-09	2.28E-06	5.10E-09	2.29E-06	3.81E-07	2.39E-09	3.83E-07	1.02E-12	3.07E-12	1.78E-12	1.57E-11	3.8E-10	2.1E-11	4.16729E-10	1.647E-08	2.289E-06	3.83E-07	8.44487E-13	5.53742E-11	5.18782E-13	1.13391E-11
408	570350.6	4178439	0.55, 41784	0.12585	0.09139	84.54471	29.62734	14.09078	3.70342	3.66245E-09	1.67E-11	3.68E-09	2.46E-06	5.42E-09	2.47E-06	4.1E-07	2.58E-09	4.13E-07	1.14E-12	3.43E-12	1.98E-12	1.76E-11	4.25E-10	2.34E-11	4.65578E-10	1.84E-08	2.4658E-06	4.13E-07	9.43478E-13	6.18652E-11	5.79594E-13	1.26683E-11
409	570390.6	4178439	0.55, 41784	0.14252	0.10489	91.50908	31.67143	15.25151	4.06451	4.14758E-09	1.92E-11	4.17E-09	2.66E-06	5.79E-09	2.67E-06	4.44E-07	2.79E-09	4.47E-07	1.29E-12	3.88E-12	2.25E-12	1.99E-11	4.81E-10	2.65E-11	5.27281E-10	2.083E-08	2.6689E-06	4.47E-07	1.06852E-12	7.00641E-11	6.56407E-13	1.43472E-11
410	570430.6	4178439	0.55, 41784	0.16313	0.12204	99.54775	33.93845	16.59129	4.47421	4.74736E-09	2.23E-11	4.77E-09	2.9E-06	6.21E-09	2.9E-06	4.83E-07	3.03E-09	4.86E-07	1.47E-12	4.44E-12	2.57E-12	2.28E-11	5.5E-10	3.04E-11	6.03577E-10	2.385E-08	2.9032E-06	4.86E-07	1.22313E-12	8.02023E-11	7.51388E-13	1.64232E-11
411	570470.6	4178439	0.55, 41784	0.18858	0.14267	108.92524	36.54882	18.15421	4.93599	5.488E-09	2.61E-11	5.51E-09	3.17E-06	6.68E-09	3.18E-06	5.28E-07	3.32E-09	5.32E-07	1.7E-12	5.14E-12	2.97E-12	2.63E-11	6.36E-10	3.51E-11	6.97778E-10	2.757E-08	3.1766E-06	5.32E-07	1.41402E-12	9.27196E-11	8.68658E-13	1.89864E-11
412	570510.6	4178439	0.55, 41784	0.22167	0.16966	120.34611	39.98702	20.05769	5.68986	6.45098E-09	3.10E-11	6.48E-09	3.5E-06	7.31E-09	3.51E-06	5.84E-07	3.67E-09	5.87E-07	2E-12	6.04E-12	3.5E-12	3.1E-11	7.48E-10	4.13E-11	8.20262E-10	3.241E-08	3.5096E-06	5.87E-07	1.66223E-12	1.08995E-10	1.02114E-12	2.23191E-11
413	570550.6	4178439	0.55, 41784	0.2658	0.20594	134.27176	44.24032	22.37863	6.83821	7.73523E-09	3.77E-11	7.77E-09	3.91E-06	8.09E-09	3.92E-06	6.51E-07	4.09E-09	6.55E-07	2.4E-12	7.24E-12	4.19E-12	3.71E-11	8.97E-10	4.95E-11	9.83618E-10	3.886E-08	3.9156E-06	6.55E-07	1.99327E-12	1.30701E-10	1.2245E-12	2.6764E-11
414	570590.6	4178439	0.55, 41784	0.3272	0.25654	151.91315	49.32778	25.31886	8.30482	9.52208E-09	4.69E-11	9.57E-09	4.42E-06	9.02E-09	4.43E-06	7.37E-07	4.63E-09	7.41E-07	2.95E-12	8.92E-12	5.16E-12	4.57E-11	1.1E-09	6.09E-11	1.2109E-09	4.784E-08	4.43E-06	7.41E-07	2.45386E-12	1.60903E-10	1.50744E-12	3.29484E-11
415	570630.6	4178439	0.55, 41784	0.41735	0.33056	175.42083	55.6235	29.2368	10.21264	1.21456E-08	6.05E-11	1.22E-08	5.11E-06	1.02E-08	5.12E-06	8.51E-07	5.35E-09	8.56E-07	3.77E-12	1.14E-11	6.58E-12	5.83E-11	1.41E-09	7.77E-11	1.54461E-09	6.103E-08	5.1152E-06	8.56E-07	3.1301E-12	2.05245E-10	1.92287E-12	4.20285E-11
416	570670.6	4178439	0.55, 41784	0.56024	0.44648	208.37177	63.80907	34.72863	12.75328	1.63039E-08	8.16E-11	1.64E-08	6.06E-06	1.17E-08	6.08E-06	1.01E-06	6.35E-09	1.02E-06	5.06E-12	1.53E-11	8.84E-12	7.83E-11	1.89E-09	1.04E-10	2.07351E-09	8.193E-08	6.0756E-06	1.02E-06	4.20189E-12	2.75524E-10	2.58129E-12	5.64197E-11
417	570710.6	4178439	0.55, 41784	0.81434	0.64609	258.28683	75.2647	43.04781	16.40047	2.36987E-08	1.18E-10	2.38E-08	7.52E-06	1.38E-08	7.53E-06	1.25E-06	7.87E-09	1.26E-06	7.35E-12	2.22E-11	1.28E-11	1.14E-10	2.75E-09	1.52E-10	3.01389E-09	1.191E-07	7.5304E-06	1.26E-06	6.10755E-12	4.00481E-10	3.75197E-12	8.20073E-11
418	570750.6	4178439	0.55, 41784	1.35572	1.03003	343.9155	93.10334	57.16949	22.25077	3.94538E-08	1.88E-10	3.96E-08	1E-05	1.70E-08	1E-05	1.66E-06	1.05E-08	1.67E-06	1.22E-11	3.69E-11	2.14E-11	1.89E-10	4.57E-09	2.52E-10	5.0165E-09	1.982E-07	1.0026E-05	1.67E-06	1.01658E-11	6.66584E-10	6.24499E-12	1.36498E-10
419	570790.6	4178439	0.55, 41784	3.18264	2.0617	571.47263	129.70009	95.66015	38.79176	9.26203E-08	3.77E-10	9.3E-08	1.66E-05	2.37E-08	1.67E-05	2.78E-06	1.75E-08	2.8E-06	2.87E-11	8.66E-11	5.02E-11	4.44E-10	1.07E-08	5.92E-10	1.17683E-08	4.65E-07	1.6655E-05	2.8E-06	2.38481E-11	1.56375E-09	1.46503E-11	3.20213E-10
420	571070.6	4178439	0.55, 41784	4.74443	12.25677	251.71558	235.3671	48.15254	87.29167	1.38071E-07	2.24E-09	1.4E-07	7.33E-06	4.30E-08	7.37E-06	1.4E-06	8.81E-09	1.41E-06	4.33E-11	1.31E-10	7.57E-11	6.7E-10	1.62E-08	8.93E-10	1.77558E-08	7.016E-07	7.3684E-06	1.41E-06	3.59815E-11	2.35936E-09	2.2104E-11	4.83131E-10
421	571110.6	4178439	0.55, 41784	3.89854	10.39914	292.37938	213.76959	54.55193	96.69541	1.13454E-07	1.90E-09	1.15E-07	8.51E-06	3.91E-08	8.55E-06	1.59E-06	9.98E-09	1.6E-06	3.56E-11	1.07E-10	6.22E-11	5.51E-10	1.33E-08	7.34E-10	1.45977E-08	5.768E-07	8.5478E-06	1.6E-06	2.95817E-11	1.93971E-09	1.81725E-11	3.97199E-10
422	571150.6	4178439	0.55, 41784	3.24566	6.14355	299.25996	151.74182	53.26943	58.88405	9.44542E-08	1.12E-09	9.56E-08	8.71E-06	2.77E-08	8.74E-06	1.55E-06	9.74E-09	1.56E-06	2.95E-11	8.91E-11	5.16E-11	4.57E-10	1.1E-08	6.08E-10	1.20948E-08	4.779E-07	8.7367E-06	1.56E-06	2.45098E-11	1.60714E-09	1.50568E-11	3.29098E-10
423	571190.6	4178439	0.55, 41784	2.68652	4.20662	319.22111	114.25705	45.60302	42.68486	7.81823E-08	7.69E-10	7.9E-08	9.29E-06	2.09E-08	9.31E-06	1.33E-06	8.34E-09	1.34E-06	2.44E-11	7.36E-11	4.26E-11	3.77E-10	9.11E-09	5.03E-10	9.9909E-09	3.948E-07	9.3108E-06	1.34E-06	2.02462E-11	1.32757E-09	1.24376E-11	2.7185E-10
424	571230.6	4178439	0.55, 41784	2.2851	3.10379	355.31137	114.374	48.25343	33.87475	6.65003E-08	5.68E-10	6.71E-08	1.03E-05	2.09E-08	1.04E-05	1.4E-06	8.82E-09	1.41E-06	2.07E-11	6.25E-11	3.62E-11	3.2E-10	7.74E-09	4.27E-10	8.48708E-09	3.353E-07	1.0361E-05	1.41E-06	1.71988E-11	1.12775E-09	1.05655E-11	2.30931E-10
425	571270.6	4178439	0.55, 41784	1.91581	2.39067	281.61312	92.35093	43.32371	28.45229	5.57533E-08	4.37E-10	5.62E-08	8.2E-06	1.69E-08	8.21E-06	1.26E-06	7.92E-09	1.27E-06	1.73E-11	5.24E-11	3.03E-11	2.68E-10	6.48E-09	3.58E-10	7.11061E-09	2.81E-07	8.2123E-06	1.27E-06	1.44094E-11	9.44845E-10	8.85193E-12	1.93478E-10
426	571310.6	4178439	0.55, 41784	1.62017	1.88774	249.98498	75.512	38.72011	23.46838	4.71497E-08	3.45E-10	4.75E-08	7.27E-06	1.38E-08	7.29E-06	1.13E-06	7.08E-09	1.13E-06	1.47E-11	4.43E-11	2.56E-11	2.27E-10	5.48E-09	3.02E-10	6.01023E-09	2.375E-07	7.2888E-06	1.13E-06	1.21795E-11	7.98629E-10	7.48208E-12	1.63537E-10
427	571350.6	4178439	0.55, 41784	1.36969	1.52492	207.90528	71.02603	31.99215	18.96422	3.98603E-08	2.79E-10	4.01E-08	6.05E-06	1.30E-08	6.06E-06	9.31E-07	5.85E-09	9.37E-07	1.24E-11	3.74E-11	2.17E-11	1.92E-10	4.63E-09	2.56E-10	5.0794E-09	2.007E-07	6.0634E-06	9.37E-07	1.02932E-11	6.74942E-10	6.3233E-12	1.38209E-10
428	571390.6	4178439	0.55, 41784	1.16602	1.25794	137.82846	66.02867	21.56098	15.29437	3.39332E-08	2.30E-10	3.42E-08	4.01E-06	1.21E-08	4.02E-06	6.27E-07	3.94E-09	6.31E-07	1.05E-11	3.18E-11	1.84E-11	1.63E-10	3.94E-09	2.17E-10	4.32317E-09	1.708E-07	4.0231E-06	6.31E-07	8.76076E-12	5.74455E-10	5.38188E-12	1.17632E-10
429	571430.6	4178439	0.55, 41784	1.00225	1.05165	150.81052	60.59063	19.07395	12.70811	2.91672E-08	1.92E-10	2.94E-08	4.39E-06	1.11E-08	4.4E-06	5.55E-07	3.49E-09	5.59E-07	9.06E-12	2.74E-11	1.58E-11	1.4E-10	3.39E-09	1.87E-10	3.71529E-09	1.468E-07	4.3999E-06	5.59E-07	7.5289E-12	4.93681E-10	4.62513E-12	1.01092E-10
430	571470.6	4178439	0.55, 41784	0.86528	0.88825	153.64691	54.59461	19.20586	10.6849	2.51811E-08	1.62E-10	2.53E-08	4.47E-06	9.98E-09	4.48E-06	5.59E-07	3.51E-09	5.62E-07	7.82E-12	2.36E-11	1.37E-11	1.21E-10	2.92E-09	1.61E-10	3.20709E-09	1.267E-07	4.4814E-06	5.62E-07	6.49906E-12	4.26153E-10	3.99248E-12	8.72642E-11
431	571510.6	4178439	0.55, 41784	0.75493	0.76151	144.52703	49.13224	18.06588	9.74189	2.19698E-08	1.39E-10	2.21E-08	4.21E-06	8.98E-09	4.21E-06	5.26E-07	3.30E-09	5.29E-07	6.82E-12	2.06E-11	1.19E-11	1.06E-10	2.55E-09	1.41E-10	2.79778E-09	1.105E-07	4.215E-06	5.29E-07	5.6696E-12	3.71764E-10	3.48293E-12	7.61268E-11
432	571550.6	4178439	0.55, 41784	0.65913	0.65716	127.58758	46.59598	15.94845	8.8858	1.91818E-08	1.20E-10	1.93E-08	3.71E-06	8.52E-09	3.72E-06	4.64E-07	2.92E-09	4.67E-07	5.96E-12	1.8E-11	1.04E-11	9.22E-11	2.23E-09	1.23E-10	2.44256E-09	9.651E-08	3.7215E-06	4.67E-07	4.94977E-12	3.24563E-10	3.04072E-12	6.64615E-11
433	571590.6	4178439	0.55, 41784	0.57626	0.57045	106.82974	44.35137	13.35372	8.08009	1.67701E-08	1.04E-10	1.69E-08	3.11E-06	8.11E-09	3.12E-06	3.89E-07	2.44E-09	3.91E-07	5.21E-12	1.57E-11	9.1E-12	8.06E-11	1.95E-09	1.07E-10	2.13537E-09	8.437E-08	3.117E-06	3.91E-07	4.32726E-12	2.83745E-10	2.65831E-12	5.8103E-11
434	570310.6	4178479	0.55, 41784	0.1113	0.08183	74.58423	29.47815	11.80727	4.00274	3.23902E-09	1.50E-11	3.25E-09	2.17E-06	5.39E-09	2.18E-06	3.44E-07	2.16E-09	3.46E-07	1E-12	3.03E-12	1.76E-12	1.55E-11	3.76E-10	2.07E-11	4.11774E-10	1.627E-08	2.1759E-06	3.46E-07	8.34446E-13	5.47158E-11	5.12614E-13	1.12043E-11
435	570350.6	4178479	0.55, 41784	0.12561	0.09388	80.0812	31.76761	12.83362	4.33491	3.65547E-09	1.72E-11	3.67E-09	2.33E-06	5.81E-09	2.34E-06	3.73E-07	2.35E-09	3.76E-07	1.13E-12	3.42E-12	1.98E-12	1.75E-11	4.24E-10	2.34E-11	4.64752E-10	1.836E-08	2.3363E-06	3.76E-07	9.41804E-13	6.17554E-11	5.78566E-13	1.26458E-11
436	570390.6	4178479	0.55, 41784	0.14146	0.10678	86.10528	34.01158	14.01299	4.67053	4.11673E-09	1.95E-11	4.14E-09	2.51E-06	6.22E-09	2.51E-06	4.08E-07	2.56E-09	4.1E-07	1.28E-12	3.85E-12	2.23E-12	1.98E-11	4.77E-10	2.63E-11	5.23421E-10	2.068E-08	2.512E-06	4.1E-07	1.06069E-12	6.95512E-11	6.51602E-13	1.42422E-11
437	570430.6	4178479	0.55, 41784	0.16075	0.12266	93.00088	36.36689	15.32204	5.02469	4.6781E-09	2.24E-11	4.7E-09	2.71E-06	6.65E-09	2.71E-06	4.46E-07	2.80E-09	4.49E-07	1.45E-12	4.38E-12	2.54E-12	2.25E-11	5.42E-10	2.99E-11	5.94827E-10	2.35E-08	2.7131E-06	4.49E-07	1.2054E-12	7.90396E-11	7.40495E-13	1.61851E-11
438	570470.6	4178479	0.55, 41784	0.18644	0.14379	101.96042	39.51551	16.93263	5.48718	5.42572E-09	2.63E-11	5.45E-09	2.97E-06	7.23E-09	2.97E-06	4.93E-07	3.10E-09	4.96E-07	1.68E-12	5.08E-12	2.94E-12	2.6E-11	6.29E-10	3.47E-11	6.89923E-10	2.726E-08	2.9744E-06	4.96E-07	1.39811E-12	9.16758E-11	8.58879E-13	1.87727E-11
439	570510.6	4178479	0.55, 41784	0.22079	0.17209	113.44919	43.50567	18.9082	6.17272	6.42537E-09	3.15E-11	6.46E-09	3.3E-06	7.96E-09	3.31E-06	5.5E-07	3.46E-09	5.54E-07	1.99E-12	6.02E-12	3.48E-12	3.08E-11	7.45E-10	4.11E-11	8.17078E-10	3.228E-08	3.3095E-06	5.54E-07	1.65578E-12	1.08572E-10	1.01717E-12	2.22325E-11
440	570550.6	4178479	0.55, 41784	0.2667	0.21004	127.7059	48.20733	21.28432	7.34053	7.76142E-09	3.84E-11	7.8E-09	3.72E-06	8.82E-09	3.73E-06	6.19E-07	3.89E-09	6.23E-07	2.41E-12	7.27E-12	4.21E-12	3.73E-11	9E-10	4.97E-11	9.87027E-10	3.9E-08	3.7253E-06	6.23E-07	2.00018E-12	1.31154E-10	1.22874E-12	2.68568E-11
441	570590.6	4178479	0.55, 41784	0.32931	0.26248	144.67878	53.44745	24.11313	8.81975	9.58348E-09	4.80E-11	9.63E-09	4.21E-06	9.77E-09	4.22E-06	7.02E-07	4.41E-09	7.06E-07	2.97E-12	8.97E-12	5.19E-12	4.6E-11	1.11E-09	6.13E-11	1.21881E-09	4.816E-08	4.2202E-06	7.06E-07	2.46988E-12	1.61954E-10	1.51729E-12	3.31636E-11
442	570630.6	4178479	0.55, 41784	0.42133	0.33962	165.95931	60.05375	27.65989	10.77683	1.22614E-08	6.21E-11	1.23E-08	4.83E-06	1.10E-08	4.84E-06	8.05E-07	5.06E-09	8.1E-07	3.8E-12	1.15E-11	6.65E-12	5.89E-11	1.42E-09	7.85E-11	1.55948E-09	6.162E-08	4.8407E-06	8.1E-07	3.16023E-12	2.07221E-10	1.94138E-12	4.2433E-11
443	570670.6	4178479	0.55, 41784	0.56746	0.46145	193.36004	69.0612	32.22667	13.5092	1.65141E-08	8.44E-11	1.66E-08	5.63E-06	1.26E-08	5.64E-06	9.38E-07	5.89E-09	9.44E-07	5.12E-12	1.55E-11	8.95E-12	7.93E-11	1.92E-09	1.06E-10	2.10044E-09	8.299E-08	5.6397E-06	9.44E-07	4.25648E-12	2.79103E-10	2.61482E-12	5.71526E-11
444	570710.6	4178479	0.55, 41784	0.83023	0.67528	236.53606	81.84268	39.07222	17.68943	2.41611E-08	1.23E-10	2.43E-08	6.88E-06	1.50E-08	6.9E-06	1.14E-06	7.15E-09	1.14E-06	7.49E-12	2.26E-11	1.31E-11	1.16E-10	2.8E-09	1.55E-10	3.07308E-09	1.214E-07	6.8986E-06	1.14E-06	6.2275E-12	4.08346E-10	3.82566E-12	8.36179E-11
445	570750.6	4178479	0.55, 41784	1.42426	1.12918	342.03514	102.90165	49.67165	25.1054	4.14484E-08	2.06E-10	4.17E-08	9.95E-06	1.88E-08	9.97E-06	1.45E-06	9.08E-09	1.45E-06	1.29E-11	3.88E-11	2.25E-11	1.99E-10	4.81E-09	2.65E-10	5.2712E-09	2.083E-07	9.9726E-06	1.45E-06	1.06819E-11	7.00428E-10	6.56207E-12	1.43428E-10
446	570790.6	4178479	0.55, 41784	3.63047	2.75084	596.75244	187.47347	107.7468	51.23422	1.05653E-07	5.03E-10	1.06E-07	1.74E-05	3.43E-08	1.74E-05	3.14E-06	1.97E-08	3.16E-06	3.28E-11	9.89E-11	5.73E-11	5.07E-10	1.23E-08	6.76E-10	1.34335E-08	5.308E-07	1.7401E-05	3.16E-06	2.72225E-11	1.78502E-09	1.67232E-11	3.65521E-10
447	571030.6	4178479	0.55, 41784	9.40071	15.68167	333.68631	267.08575	81.11776	110.69164	2.73577E-07	2.87E-09	2.76E-07	9.71E-06	4.88E-08	9.76E-06	2.36E-06	1.48E-08	2.38E-06	8.53E-11	2.58E-10	1.49E-10	1.32E-09	3.19E-08	1.76E-09	3.49826E-08	1.382E-06	9.7597E-06	2.38E-06	7.0891E-11	4.64842E-09	4.35495E-11	9.51867E-10
448	571070.6	4178479	0.55, 41784	5.59712	9.0131	216.22006	204.77885	54.58514	76.29745	1.62886E-07	1.65E-09	1.65E-07	6.29E-06	3.74E-08	6.33E-06	1.59E-06	9.98E-09	1.6E-06	5.08E-11	1.53E-10	8.87E-11	7.86E-10	1.9E-08	1.05E-09	2.08209E-08	8.227E-07	6.3298E-06	1.6E-06	4.21928E-11	2.76664E-09	2.59197E-11	5.66531E-10
449	571110.6	4178479	0.55, 41784	3.86033	5.8724	232.77263	158.88759	40.87392	60.11848	1.12342E-07	1.07E-09	1.13E-07	6.77E-06	2.91E-08	6.8E-06	1.19E-06	7.47E-09	1.2E-06	3.5E-11	1.06E-10	6.12E-11	5.42E-10	1.31E-08	7.22E-10	1.43522E-08	5.671E-07	6.8031E-06	1.2E-06	2.90842E-11	1.90709E-09	1.78669E-11	3.9052E-10
450	571150.6	4178479	0.55, 41784	2.87873	4.17215	243.47288	131.88403	36.94401	47.80365	8.3776E-08	7.63E-10	8.45E-08	7.09E-06	2.41E-08	7.11E-06	1.08E-06	6.76E-09	1.08E-06	2.61E-11	7.88E-11	4.56E-11	4.04E-10	9.76E-09	5.38E-10	1.06979E-08	4.227E-07	7.1096E-06	1.08E-06	2.1679E-11	1.42152E-09	1.33178E-11	2.91089E-10
451	571190.6	4178479	0.55, 41784	2.25924	3.11768	272.99859	103.34976	40.61499	35.56429	6.57477E-08	5.70E-10	6.63E-08	7.94E-06	1.89E-08	7.96E-06	1.18E-06	7.43E-09	1.19E-06	2.05E-11	6.18E-11	3.58E-11	3.17E-10	7.65E-09	4.22E-10	8.39217E-09	3.316E-07	7.9636E-06	1.19E-06	1.70064E-11	1.11514E-09	1.04473E-11	2.28349E-10
452	571230.6	4178479	0.55, 41784	1.86428	2.43731	228.60917	88.43023	34.9281	28.65964	5.42537E-08	4.46E-10	5.47E-08	6.65E-06	1.62E-08	6.67E-06	1.02E-06	6.39E-09	1.02E-06	1.69E-11	5.1E-11	2.95E-11	2.61E-10	6.31E-09	3.48E-10	6.92192E-09	2.735E-07	6.6691E-06	1.02E-06	1.4027E-11	9.19773E-10	8.61704E-12	1.88344E-10
453	571270.6	4178479	0.55, 41784	1.58233	1.95726	275.18297	89.4878	39.56066	24.38596	4.60485E-08	3.58E-10	4.64E-08	8.01E-06	1.64E-08	8.02E-06	1.15E-06	7.23E-09	1.16E-06	1.43E-11	4.32E-11	2.5E-11	2.22E-10	5.36E-09	2.95E-10	5.87248E-09	2.32E-07	8.0247E-06	1.16E-06	1.19004E-11	7.80326E-10	7.3106E-12	1.59789E-10
454	571310.6	4178479	0.55, 41784	1.35793	1.6065	222.77943	77.47813	32.82803	21.05024	3.95181E-08	2.94E-10	3.98E-08	6.48E-06	1.42E-08	6.5E-06	9.55E-07	6.00E-09	9.61E-07	1.23E-11	3.71E-11	2.15E-11	1.9E-10	4.59E-09	2.53E-10	5.03798E-09	1.991E-07	6.4974E-06	9.61E-07	1.02093E-11	6.69438E-10	6.27173E-12	1.37082E-10
455	571350.6	4178479	0.55, 41784	1.1642	1.33076	210.30644	64.61424	30.9494	18.13628	3.38802E-08	2.43E-10	3.41E-08	6.12E-06	1.18E-08	6.13E-06	9.01E-07	5.66E-09	9.06E-07	1.05E-11	3.18E-11	1.84E-11	1.63E-10	3.94E-09	2.17E-10	4.31815E-09	1.706E-07	6.1321E-06	9.06E-07	8.75059E-12	5.73789E-10	5.37563E-12	1.17496E-10
456	571390.6	4178479	0.55, 41784	1.001	1.11694	187.8278	60.73144	27.7002	15.35336	2.91308E-08	2.04E-10	2.93E-08	5.47E-06	1.11E-08	5.48E-06	8.06E-07	5.07E-09	8.11E-07	9.05E-12	2.73E-11	1.58E-11	1.4E-10	3.39E-09	1.87E-10	3.71219E-09	1.467E-07	5.4772E-06	8.11E-07	7.52264E-12	4.9327E-10	4.62128E-12	1.01008E-10
457	571430.6	4178479	0.55, 41784	0.8626	0.94616	141.00765	57.76687	20.99683	12.7525	2.51031E-08	1.73E-10	2.53E-08	4.1E-06	1.06E-08	4.11E-06	6.11E-07	3.84E-09	6.15E-07	7.8E-12	2.36E-11	1.36E-11	1.21E-10	2.92E-09	1.61E-10	3.19856E-09	1.264E-07	4.1141E-06	6.15E-07	6.48178E-12	4.25019E-10	3.98186E-12	8.70321E-11
458	571470.6	4178479	0.55, 41784	0.75511	0.81334	85.41876	54.87579	13.60469	11.10539	2.1975E-08	1.49E-10	2.21E-08	2.49E-06	1.00E-08	2.5E-06	3.96E-07	2.49E-09	3.98E-07	6.83E-12	2.06E-11	1.19E-11	1.06E-10	2.55E-09	1.41E-10	2.79964E-09	1.106E-07	2.4959E-06	3.98E-07	5.67337E-12	3.72011E-10	3.48524E-12	7.61775E-11
459	571510.6	4178479	0.55, 41784	0.666	0.70453	104.54177	51.61661	13.06772	9.4895	1.93817E-08	1.29E-10	1.95E-08	3.04E-06	9.44E-09	3.05E-06	3.8E-07	2.39E-09	3.83E-07	6.02E-12	1.82E-11	1.05E-11	9.32E-11	2.25E-09	1.24E-10	2.46896E-09	9.755E-08	3.0518E-06	3.83E-07	5.00326E-12	3.28071E-10	3.07358E-12	6.71798E-11
460	571550.6	4178479	0.55, 41784	0.58993	0.61436	114.23468	47.78612	14.27934	8.47335	1.7168E-08	1.12E-10	1.73E-08	3.32E-06	8.74E-09	3.33E-06	4.16E-07	2.61E-09	4.18E-07	5.33E-12	1.61E-11	9.32E-12	8.26E-11	1.99E-09	1.1E-10	2.18673E-09	8.64E-08	3.3332E-06	4.18E-07	4.43134E-12	2.90569E-10	2.72224E-12	5.95004E-11
461	571590.6	4178479	0.55, 41784	0.5248	0.5396	114.71837	43.31659	14.3398	7.89274	1.52726E-08	9.87E-11	1.54E-08	3.34E-06	7.92E-09	3.35E-06	4.17E-07	2.62E-09	4.2E-07	4.74E-12	1.43E-11	8.29E-12	7.34E-11	1.77E-09	9.79E-11	1.94515E-09	7.686E-08	3.3464E-06	4.2E-07	3.94178E-12	2.58468E-10	2.4215E-12	5.2927E-11
462	570310.6	4178519	0.55, 41785	0.10968	0.08323	75.92481	30.95134	12.65413	4.31611	3.19188E-09	1.52E-11	3.21E-09	2.21E-06	5.66E-09	2.22E-06	3.68E-07	2.31E-09	3.71E-07	9.9E-13	2.99E-12	1.73E-12	1.53E-11	3.7E-10	2.04E-11	4.05841E-10	1.604E-08	2.2152E-06	3.71E-07	8.22422E-13	5.39274E-11	5.05227E-13	1.10428E-11
463	570350.6	4178519	0.55, 41785	0.12253	0.09413	80.98331	32.52203	13.49722	4.56123	3.56583E-09	1.72E-11	3.58E-09	2.36E-06	5.95E-09	2.36E-06	3.93E-07	2.47E-09	3.95E-07	1.11E-12	3.34E-12	1.93E-12	1.71E-11	4.13E-10	2.28E-11	4.53415E-10	1.792E-08	2.3627E-06	3.95E-07	9.1883E-13	6.0249E-11	5.64452E-13	1.23373E-11
464	570390.6	4178519	0.55, 41785	0.13706	0.10653	86.4192	34.09518	14.4032	4.78567	3.98868E-09	1.95E-11	4.01E-09	2.51E-06	6.24E-09	2.52E-06	4.19E-07	2.63E-09	4.22E-07	1.24E-12	3.73E-12	2.16E-12	1.91E-11	4.63E-10	2.55E-11	5.07211E-10	2.004E-08	2.5212E-06	4.22E-07	1.02785E-12	6.73974E-11	6.31423E-13	1.38011E-11
465	570430.6	4178519	0.55, 41785	0.15657	0.12308	93.48729	36.56809	15.58121	5.11226	4.55645E-09	2.25E-11	4.58E-09	2.72E-06	6.69E-09	2.73E-06	4.53E-07	2.85E-09	4.56E-07	1.41E-12	4.27E-12	2.47E-12	2.19E-11	5.28E-10	2.92E-11	5.79443E-10	2.289E-08	2.7273E-06	4.56E-07	1.17422E-12	7.69954E-11	7.21343E-13	1.57665E-11
466	570470.6	4178519	0.55, 41785	0.18113	0.14422	101.65142	39.2669	16.9419	5.47129	5.27119E-09	2.64E-11	5.3E-09	2.96E-06	7.18E-09	2.97E-06	4.93E-07	3.10E-09	4.96E-07	1.63E-12	4.94E-12	2.86E-12	2.53E-11	6.11E-10	3.37E-11	6.70378E-10	2.649E-08	2.9654E-06	4.96E-07	1.3585E-12	8.90787E-11	8.34548E-13	1.82408E-11
467	570510.6	4178519	0.55, 41785	0.21556	0.17373	112.42418	43.21366	18.73736	6.23491	6.27316E-09	3.18E-11	6.3E-09	3.27E-06	7.90E-09	3.28E-06	5.45E-07	3.43E-09	5.49E-07	1.95E-12	5.87E-12	3.4E-12	3.01E-11	7.28E-10	4.01E-11	7.97855E-10	3.152E-08	3.2796E-06	5.49E-07	1.61683E-12	1.06018E-10	9.93243E-13	2.17095E-11
468	570550.6	4178519	0.55, 41785	0.26244	0.21401	127.39838	48.06291	20.89373	7.26318	7.63745E-09	3.91E-11	7.68E-09	3.71E-06	8.79E-09	3.72E-06	6.08E-07	3.82E-09	6.12E-07	2.37E-12	7.15E-12	4.14E-12	3.67E-11	8.86E-10	4.89E-11	9.71431E-10	3.838E-08	3.7163E-06	6.12E-07	1.96857E-12	1.29082E-10	1.20933E-12	2.64324E-11
469	570590.6	4178519	0.55, 41785	0.32438	0.26815	146.74921	52.55391	23.05175	8.49659	9.44001E-09	4.90E-11	9.49E-09	4.27E-06	9.61E-09	4.28E-06	6.71E-07	4.22E-09	6.75E-07	2.93E-12	8.84E-12	5.12E-12	4.53E-11	1.1E-09	6.04E-11	1.20079E-09	4.745E-08	4.2803E-06	6.75E-07	2.43336E-12	1.59559E-10	1.49485E-12	3.26732E-11
470	570630.6	4178519	0.55, 41785	0.41604	0.34788	170.82398	60.03664	25.41079	10.076	1.21075E-08	6.36E-11	1.22E-08	4.97E-06	1.10E-08	4.98E-06	7.39E-07	4.65E-09	7.44E-07	3.76E-12	1.13E-11	6.56E-12	5.81E-11	1.4E-09	7.75E-11	1.54019E-09	6.086E-08	4.9822E-06	7.44E-07	3.12113E-12	2.04657E-10	1.91736E-12	4.19081E-11
471	570670.6	4178519	0.55, 41785	0.56352	0.47347	210.6175	71.54419	27.95974	12.2085	1.63994E-08	8.66E-11	1.65E-08	6.13E-06	1.31E-08	6.14E-06	8.14E-07	5.11E-09	8.19E-07	5.09E-12	1.54E-11	8.89E-12	7.88E-11	1.9E-09	1.05E-10	2.08621E-09	8.243E-08	6.1424E-06	8.19E-07	4.22764E-12	2.77212E-10	2.59711E-12	5.67653E-11
472	570710.6	4178519	0.55, 41785	0.82936	0.69158	257.30872	94.91316	32.16359	16.3308	2.41358E-08	1.26E-10	2.43E-08	7.49E-06	1.74E-08	7.51E-06	9.36E-07	5.88E-09	9.42E-07	7.49E-12	2.26E-11	1.31E-11	1.16E-10	2.8E-09	1.54E-10	3.07026E-09	1.213E-07	7.5055E-06	9.42E-07	6.22177E-12	4.07971E-10	3.82214E-12	8.3541E-11
473	570750.6	4178519	0.55, 41785	1.36529	1.13262	327.60111	130.96882	45.80096	29.91109	3.97323E-08	2.07E-10	3.99E-08	9.53E-06	2.40E-08	9.56E-06	1.33E-06	8.38E-09	1.34E-06	1.23E-11	3.72E-11	2.15E-11	1.91E-10	4.61E-09	2.54E-10	5.05411E-09	1.997E-07	9.5577E-06	1.34E-06	1.0242E-11	6.71582E-10	6.29182E-12	1.37521E-10
474	570790.6	4178519	0.55, 41785	2.09469	1.90095	339.24086	174.34023	59.4987	49.70987	6.09591E-08	3.48E-10	6.13E-08	9.87E-06	3.19E-08	9.9E-06	1.73E-06	1.09E-08	1.74E-06	1.89E-11	5.71E-11	3.31E-11	2.93E-10	7.07E-09	3.9E-10	7.75803E-09	3.065E-07	9.9044E-06	1.74E-06	1.57214E-11	1.03087E-09	9.6579E-12	2.11094E-10
475	570990.6	4178519	0.55, 41785	30.9381	16.28557	1645.60932	278.46944	444.29015	131.46412	9.00351E-07	2.98E-09	9.03E-07	4.79E-05	5.09E-08	4.79E-05	1.29E-05	8.12E-08	1.3E-05	2.79E-10	8.42E-10	4.87E-10	4.32E-09	1.04E-07	5.75E-09	1.14311E-07	4.517E-06	4.7941E-05	1.3E-05	2.31648E-10	1.51895E-08	1.42305E-10	3.11039E-09
476	571030.6	4178519	0.55, 41785	10.39533	8.05295	575.07494	188.36146	130.51861	75.45666	3.02522E-07	1.47E-09	3.04E-07	1.67E-05	3.44E-08	1.68E-05	3.8E-06	2.39E-08	3.82E-06	9.38E-11	2.83E-10	1.64E-10	1.45E-09	3.51E-08	1.94E-09	3.84689E-08	1.52E-06	1.677E-05	3.82E-06	7.79559E-11	5.11168E-09	4.78895E-11	1.04673E-09
477	571070.6	4178519	0.55, 41785	5.62777	5.38206	327.13066	151.27996	61.45445	56.79768	1.63778E-07	9.84E-10	1.65E-07	9.52E-06	2.77E-08	9.55E-06	1.79E-06	1.12E-08	1.8E-06	5.08E-11	1.54E-10	8.89E-11	7.87E-10	1.9E-08	1.05E-09	2.08497E-08	8.238E-07	9.5477E-06	1.8E-06	4.22513E-11	2.77048E-09	2.59556E-11	5.67316E-10
478	571110.6	4178519	0.55, 41785	3.70135	3.92679	194.51307	130.68512	41.68788	44.49195	1.07716E-07	7.18E-10	1.08E-07	5.66E-06	2.39E-08	5.68E-06	1.21E-06	7.62E-09	1.22E-06	3.35E-11	1.01E-10	5.85E-11	5.18E-10	1.25E-08	6.9E-10	1.37217E-08	5.422E-07	5.6846E-06	1.22E-06	2.78066E-11	1.82332E-09	1.7082E-11	3.73364E-10
479	571150.6	4178519	0.55, 41785	2.69329	3.00723	208.02281	103.35418	30.40761	37.50867	7.83793E-08	5.50E-10	7.89E-08	6.05E-06	1.89E-08	6.07E-06	8.85E-07	5.56E-09	8.9E-07	2.44E-11	7.35E-11	4.26E-11	3.77E-10	9.11E-09	5.02E-10	9.98807E-09	3.946E-07	6.0727E-06	8.9E-07	2.02405E-11	1.3272E-09	1.24341E-11	2.71773E-10
480	571190.6	4178519	0.55, 41785	2.08526	2.38411	205.94825	100.14217	32.90062	31.32752	6.06846E-08	4.36E-10	6.11E-08	5.99E-06	1.83E-08	6.01E-06	9.57E-07	6.02E-09	9.63E-07	1.89E-11	5.69E-11	3.3E-11	2.92E-10	7.05E-09	3.89E-10	7.73448E-09	3.056E-07	6.0118E-06	9.63E-07	1.56737E-11	1.02774E-09	9.62859E-12	2.10453E-10
481	571230.6	4178519	0.55, 41785	1.66362	1.91731	215.41751	83.66277	30.77393	25.17962	4.84142E-08	3.51E-10	4.88E-08	6.27E-06	1.53E-08	6.28E-06	8.96E-07	5.63E-09	9.01E-07	1.5E-11	4.54E-11	2.63E-11	2.33E-10	5.63E-09	3.1E-10	6.17092E-09	2.438E-07	6.2843E-06	9.01E-07	1.25052E-11	8.19982E-10	7.68213E-12	1.67909E-10
482	571270.6	4178519	0.55, 41785	1.38104	1.58176	194.90891	74.63088	31.16799	21.56574	4.01906E-08	2.89E-10	4.05E-08	5.67E-06	1.36E-08	5.69E-06	9.07E-07	5.70E-09	9.13E-07	1.25E-11	3.77E-11	2.18E-11	1.93E-10	4.67E-09	2.58E-10	5.12251E-09	2.024E-07	5.6858E-06	9.13E-07	1.03806E-11	6.8067E-10	6.37697E-12	1.39382E-10
483	571310.6	4178519	0.55, 41785	1.18628	1.33473	227.7435	74.01926	34.0231	18.88588	3.45228E-08	2.44E-10	3.48E-08	6.63E-06	1.35E-08	6.64E-06	9.9E-07	6.22E-09	9.96E-07	1.07E-11	3.24E-11	1.88E-11	1.66E-10	4.01E-09	2.21E-10	4.39956E-09	1.738E-07	6.6413E-06	9.96E-07	8.91556E-12	5.84606E-10	5.47697E-12	1.19711E-10
484	571350.6	4178519	0.55, 41785	1.02794	1.1349	186.21806	66.32591	28.09378	16.3212	2.99148E-08	2.08E-10	3.01E-08	5.42E-06	1.21E-08	5.43E-06	8.18E-07	5.14E-09	8.23E-07	9.3E-12	2.81E-11	1.62E-11	1.44E-10	3.48E-09	1.92E-10	3.81182E-09	1.506E-07	5.4314E-06	8.23E-07	7.72453E-12	5.06508E-10	4.7453E-12	1.03719E-10
485	571390.6	4178519	0.55, 41785	0.88898	0.96986	165.64096	58.31983	23.55305	14.40747	2.58708E-08	1.77E-10	2.6E-08	4.82E-06	1.07E-08	4.83E-06	6.85E-07	4.31E-09	6.9E-07	8.04E-12	2.43E-11	1.4E-11	1.24E-10	3.01E-09	1.66E-10	3.29626E-09	1.302E-07	4.8311E-06	6.9E-07	6.67976E-12	4.38001E-10	4.10348E-12	8.96904E-11
486	571430.6	4178519	0.55, 41785	0.7696	0.83467	166.81635	54.79876	23.72844	12.50769	2.23967E-08	1.53E-10	2.25E-08	4.85E-06	1.00E-08	4.86E-06	6.91E-07	4.34E-09	6.95E-07	6.96E-12	2.1E-11	1.22E-11	1.08E-10	2.6E-09	1.44E-10	2.85349E-09	1.127E-07	4.8647E-06	6.95E-07	5.78251E-12	3.79167E-10	3.55229E-12	7.76429E-11
487	571470.6	4178519	0.55, 41785	0.67066	0.72494	138.40145	51.97552	19.82816	10.73341	1.95174E-08	1.33E-10	1.96E-08	4.03E-06	9.50E-09	4.04E-06	5.77E-07	3.63E-09	5.81E-07	6.06E-12	1.83E-11	1.06E-11	9.39E-11	2.27E-09	1.25E-10	2.48659E-09	9.825E-08	4.0372E-06	5.81E-07	5.03899E-12	3.30414E-10	3.09554E-12	6.76596E-11
488	571510.6	4178519	0.55, 41785	0.58987	0.63439	93.94363	49.66848	13.736	9.50533	1.71662E-08	1.16E-10	1.73E-08	2.73E-06	9.08E-09	2.74E-06	4E-07	2.51E-09	4.02E-07	5.33E-12	1.61E-11	9.32E-12	8.26E-11	1.99E-09	1.1E-10	2.18697E-09	8.641E-08	2.743E-06	4.02E-07	4.43183E-12	2.90601E-10	2.72254E-12	5.9507E-11
489	571550.6	4178519	0.55, 41785	0.52422	0.55926	64.7066	47.53612	9.81761	8.44297	1.52557E-08	1.02E-10	1.54E-08	1.88E-06	8.69E-09	1.89E-06	2.86E-07	1.80E-09	2.88E-07	4.74E-12	1.43E-11	8.28E-12	7.34E-11	1.77E-09	9.78E-11	1.94347E-09	7.679E-08	1.8918E-06	2.88E-07	3.93837E-12	2.58245E-10	2.41941E-12	5.28813E-11
490	571590.6	4178519	0.55, 41785	0.47148	0.49721	75.39988	45.27823	9.54319	7.49343	1.37209E-08	9.09E-11	1.38E-08	2.19E-06	8.28E-09	2.2E-06	2.78E-07	1.75E-09	2.79E-07	4.26E-12	1.29E-11	7.45E-12	6.6E-11	1.59E-09	8.79E-11	1.74781E-09	6.906E-08	2.2025E-06	2.79E-07	3.54188E-12	2.32246E-10	2.17583E-12	4.75575E-11
491	570310.6	4178559	0.55, 41785	0.10731	0.08405	76.80272	30.54078	12.80045	4.19275	3.1229E-09	1.54E-11	3.14E-09	2.24E-06	5.59E-09	2.24E-06	3.73E-07	2.34E-09	3.75E-07	9.68E-13	2.92E-12	1.69E-12	1.5E-11	3.62E-10	2E-11	3.97132E-10	1.569E-08	2.2407E-06	3.75E-07	8.04774E-13	5.27702E-11	4.94386E-13	1.08059E-11
492	570350.6	4178559	0.55, 41785	0.11907	0.09438	82.9813	31.5625	13.39224	4.31782	3.46514E-09	1.73E-11	3.48E-09	2.41E-06	5.77E-09	2.42E-06	3.9E-07	2.45E-09	3.92E-07	1.07E-12	3.24E-12	1.88E-12	1.66E-11	4.02E-10	2.22E-11	4.40679E-10	1.741E-08	2.4207E-06	3.92E-07	8.93021E-13	5.85567E-11	5.48597E-13	1.19908E-11
493	570390.6	4178559	0.55, 41785	0.1339	0.10748	90.55746	32.83588	14.07263	4.47793	3.89672E-09	1.97E-11	3.92E-09	2.64E-06	6.00E-09	2.64E-06	4.1E-07	2.57E-09	4.12E-07	1.21E-12	3.65E-12	2.11E-12	1.87E-11	4.52E-10	2.49E-11	4.95596E-10	1.958E-08	2.6414E-06	4.12E-07	1.00431E-12	6.58539E-11	6.16963E-13	1.3485E-11
494	570430.6	4178559	0.55, 41785	0.15297	0.12443	99.07784	34.42492	14.88754	4.68196	4.45169E-09	2.28E-11	4.47E-09	2.88E-06	6.30E-09	2.89E-06	4.33E-07	2.72E-09	4.36E-07	1.38E-12	4.17E-12	2.41E-12	2.14E-11	5.16E-10	2.85E-11	5.66217E-10	2.237E-08	2.8896E-06	4.36E-07	1.14742E-12	7.52379E-11	7.04878E-13	1.54066E-11
495	570470.6	4178559	0.55, 41785	0.17711	0.14611	108.3811	37.13833	15.68816	5.10948	5.1542E-09	2.67E-11	5.18E-09	3.15E-06	6.79E-09	3.16E-06	4.57E-07	2.87E-09	4.59E-07	1.6E-12	4.83E-12	2.79E-12	2.48E-11	5.98E-10	3.3E-11	6.55618E-10	2.59E-08	3.1609E-06	4.59E-07	1.32859E-12	8.71174E-11	8.16173E-13	1.78392E-11
496	570510.6	4178559	0.55, 41785	0.21022	0.1758	119.02071	41.74654	16.67371	5.7123	6.11776E-09	3.21E-11	6.15E-09	3.46E-06	7.63E-09	3.47E-06	4.85E-07	3.05E-09	4.88E-07	1.9E-12	5.73E-12	3.32E-12	2.94E-11	7.1E-10	3.92E-11	7.78238E-10	3.075E-08	3.4713E-06	4.88E-07	1.57707E-12	1.03411E-10	9.68821E-13	2.11757E-11
497	570550.6	4178559	0.55, 41785	0.25686	0.21737	138.81712	48.97119	17.78034	6.5378	7.47506E-09	3.98E-11	7.51E-09	4.04E-06	8.96E-09	4.05E-06	5.17E-07	3.25E-09	5.21E-07	2.32E-12	7E-12	4.05E-12	3.59E-11	8.67E-10	4.78E-11	9.50959E-10	3.757E-08	4.0488E-06	5.21E-07	1.92709E-12	1.26362E-10	1.18384E-12	2.58754E-11
498	570590.6	4178559	0.55, 41785	0.31921	0.27311	158.95656	55.69599	19.86957	7.90259	9.28956E-09	4.99E-11	9.34E-09	4.63E-06	1.02E-08	4.64E-06	5.78E-07	3.63E-09	5.82E-07	2.88E-12	8.7E-12	5.04E-12	4.46E-11	1.08E-09	5.95E-11	1.18186E-09	4.67E-08	4.6361E-06	5.82E-07	2.39501E-12	1.57044E-10	1.47129E-12	3.21582E-11
499	570630.6	4178559	0.55, 41785	0.41072	0.35398	180.38278	65.18573	22.54785	9.64997	1.19527E-08	6.47E-11	1.2E-08	5.25E-06	1.19E-08	5.26E-06	6.56E-07	4.12E-09	6.6E-07	3.71E-12	1.12E-11	6.48E-12	5.74E-11	1.39E-09	7.65E-11	1.52074E-09	6.009E-08	5.2614E-06	6.6E-07	3.08172E-12	2.02073E-10	1.89315E-12	4.13788E-11
500	570670.6	4178559	0.55, 41785	0.55178	0.47716	218.05495	85.23197	27.25687	14.02323	1.60577E-08	8.73E-11	1.61E-08	6.35E-06	1.56E-08	6.36E-06	7.93E-07	4.98E-09	7.98E-07	4.98E-12	1.5E-11	8.71E-12	7.71E-11	1.86E-09	1.03E-10	2.04306E-09	8.072E-08	6.3614E-06	7.98E-07	4.1402E-12	2.71479E-10	2.54339E-12	5.55912E-11
501	570710.6	4178559	0.55, 41785	0.78132	0.6809	244.71244	105.12049	32.595	21.74638	2.27377E-08	1.25E-10	2.29E-08	7.12E-06	1.92E-08	7.14E-06	9.49E-07	5.96E-09	9.55E-07	7.05E-12	2.13E-11	1.23E-11	1.09E-10	2.64E-09	1.46E-10	2.8931E-09	1.143E-07	7.1408E-06	9.55E-07	5.86276E-12	3.8443E-10	3.60159E-12	7.87205E-11
502	570750.6	4178559	0.55, 41785	1.13763	1.02831	276.33124	124.7524	39.47589	32.46528	3.3107E-08	1.88E-10	3.33E-08	8.04E-06	2.28E-08	8.06E-06	1.15E-06	7.22E-09	1.16E-06	1.03E-11	3.1E-11	1.8E-11	1.59E-10	3.84E-09	2.12E-10	4.21331E-09	1.665E-07	8.0645E-06	1.16E-06	8.53812E-12	5.59857E-10	5.24511E-12	1.14643E-10
503	570790.6	4178559	0.55, 41785	1.48115	1.46435	285.306	157.20995	43.19026	42.97795	4.3104E-08	2.68E-10	4.34E-08	8.3E-06	2.87E-08	8.33E-06	1.26E-06	7.90E-09	1.26E-06	1.34E-11	4.04E-11	2.34E-11	2.07E-10	5.01E-09	2.76E-10	5.48846E-09	2.169E-07	8.3316E-06	1.26E-06	1.11222E-11	7.29298E-10	6.83254E-12	1.4934E-10
504	570830.6	4178559	0.55, 41785	2.67811	2.99292	342.02881	178.80856	66.23843	64.34565	7.79376E-08	5.47E-10	7.85E-08	9.95E-06	3.27E-08	9.99E-06	1.93E-06	1.21E-08	1.94E-06	2.42E-11	7.31E-11	4.23E-11	3.75E-10	9.06E-09	5E-10	9.93184E-09	3.924E-07	9.9863E-06	1.94E-06	2.01265E-11	1.31973E-09	1.23641E-11	2.70243E-10
505	570950.6	4178559	0.55, 41785	26.55575	12.00196	679.01352	318.67052	280.37281	116.3834	7.72818E-07	2.19E-09	7.75E-07	1.98E-05	5.83E-08	1.98E-05	8.16E-06	5.13E-08	8.21E-06	2.39E-10	7.22E-10	4.18E-10	3.7E-09	8.94E-08	4.93E-09	9.80736E-08	3.875E-06	1.9819E-05	8.21E-06	1.98743E-10	1.30319E-08	1.22091E-10	2.66856E-09
506	570990.6	4178559	0.55, 41785	10.52141	6.96087	639.29991	205.65266	133.52138	75.6432	3.06191E-07	1.27E-09	3.07E-07	1.86E-05	3.76E-08	1.86E-05	3.89E-06	2.44E-08	3.91E-06	9.49E-11	2.86E-10	1.66E-10	1.47E-09	3.55E-08	1.96E-09	3.89079E-08	1.537E-06	1.8642E-05	3.91E-06	7.88455E-11	5.17002E-09	4.84361E-11	1.05867E-09
507	571030.6	4178559	0.55, 41785	6.12086	4.69941	562.31532	143.87555	97.52112	53.65332	1.78127E-07	8.59E-10	1.79E-07	1.64E-05	2.63E-08	1.64E-05	2.84E-06	1.78E-08	2.86E-06	5.52E-11	1.67E-10	9.65E-11	8.55E-10	2.07E-08	1.14E-09	2.26498E-08	8.949E-07	1.6391E-05	2.86E-06	4.58991E-11	3.00967E-09	2.81966E-11	6.16296E-10
508	571070.6	4178559	0.55, 41785	4.00501	3.46908	291.75499	122.4909	69.10596	41.80504	1.16553E-07	6.34E-10	1.17E-07	8.49E-06	2.24E-08	8.51E-06	2.01E-06	1.26E-08	2.02E-06	3.62E-11	1.09E-10	6.32E-11	5.6E-10	1.35E-08	7.46E-10	1.48294E-08	5.859E-07	8.513E-06	2.02E-06	3.00512E-11	1.9705E-09	1.8461E-11	4.03504E-10
509	571110.6	4178559	0.55, 41785	2.89394	2.70355	288.47324	105.99812	48.03981	36.46899	8.42186E-08	4.94E-10	8.47E-08	8.4E-06	1.94E-08	8.41E-06	1.4E-06	8.79E-09	1.41E-06	2.61E-11	7.89E-11	4.57E-11	4.05E-10	9.78E-09	5.39E-10	1.072E-08	4.236E-07	8.4144E-06	1.41E-06	2.17237E-11	1.42445E-09	1.33452E-11	2.91688E-10
510	571150.6	4178559	0.55, 41785	2.21115	2.17534	240.56187	97.79178	31.90722	30.3701	6.43482E-08	3.98E-10	6.47E-08	7E-06	1.79E-08	7.02E-06	9.29E-07	5.83E-09	9.34E-07	2E-11	6.03E-11	3.49E-11	3.09E-10	7.47E-09	4.12E-10	8.19326E-09	3.237E-07	7.0186E-06	9.34E-07	1.66034E-11	1.08871E-09	1.01997E-11	2.22937E-10
511	571190.6	4178559	0.55, 41785	1.76303	1.79806	177.14345	83.63267	24.55859	26.34777	5.13072E-08	3.29E-10	5.16E-08	5.16E-06	1.53E-08	5.17E-06	7.15E-07	4.49E-09	7.19E-07	1.59E-11	4.81E-11	2.79E-11	2.47E-10	5.96E-09	3.29E-10	6.53426E-09	2.582E-07	5.1705E-06	7.19E-07	1.32415E-11	8.68261E-10	8.13444E-12	1.77796E-10
512	571230.6	4178559	0.55, 41785	1.44054	1.50665	192.87207	80.98435	29.09943	22.26218	4.19222E-08	2.76E-10	4.22E-08	5.61E-06	1.48E-08	5.63E-06	8.47E-07	5.32E-09	8.52E-07	1.3E-11	3.93E-11	2.28E-11	2.02E-10	4.87E-09	2.69E-10	5.33989E-09	2.11E-07	5.6277E-06	8.52E-07	1.08211E-11	7.09556E-10	6.64758E-12	1.45297E-10
513	571270.6	4178559	0.55, 41785	1.19178	1.27042	167.21575	71.42327	22.32638	19.23301	3.46828E-08	2.32E-10	3.49E-08	4.87E-06	1.31E-08	4.88E-06	6.5E-07	4.08E-09	6.54E-07	1.08E-11	3.25E-11	1.88E-11	1.67E-10	4.03E-09	2.22E-10	4.41832E-09	1.746E-07	4.8793E-06	6.54E-07	8.95359E-12	5.87099E-10	5.50033E-12	1.20222E-10
514	571310.6	4178559	0.55, 41785	1.01245	1.08581	169.23295	65.49002	26.6418	16.91234	2.9464E-08	1.99E-10	2.97E-08	4.92E-06	1.20E-08	4.94E-06	7.75E-07	4.87E-09	7.8E-07	9.15E-12	2.76E-11	1.6E-11	1.42E-10	3.42E-09	1.89E-10	3.75364E-09	1.483E-07	4.9369E-06	7.8E-07	7.60663E-12	4.98777E-10	4.67287E-12	1.02136E-10
515	571350.6	4178559	0.55, 41785	0.8838	0.94242	194.09519	63.64749	28.90026	14.99354	2.57201E-08	1.72E-10	2.59E-08	5.65E-06	1.16E-08	5.66E-06	8.41E-07	5.29E-09	8.46E-07	7.99E-12	2.41E-11	1.4E-11	1.24E-10	2.99E-09	1.65E-10	3.27655E-09	1.295E-07	5.6601E-06	8.46E-07	6.63981E-12	4.35382E-10	4.07894E-12	8.91541E-11
516	571390.6	4178559	0.55, 41785	0.78025	0.82372	158.10154	57.98385	23.81897	12.89204	2.27066E-08	1.51E-10	2.29E-08	4.6E-06	1.06E-08	4.61E-06	6.93E-07	4.36E-09	6.98E-07	7.05E-12	2.13E-11	1.23E-11	1.09E-10	2.64E-09	1.46E-10	2.89246E-09	1.143E-07	4.6116E-06	6.98E-07	5.86147E-12	3.84345E-10	3.6008E-12	7.87032E-11
517	571430.6	4178559	0.55, 41785	0.68512	0.72115	137.68904	52.2569	18.93914	11.62385	1.99382E-08	1.32E-10	2.01E-08	4.01E-06	9.56E-09	4.02E-06	5.51E-07	3.46E-09	5.55E-07	6.19E-12	1.87E-11	1.08E-11	9.59E-11	2.32E-09	1.28E-10	2.53975E-09	1.004E-07	4.0165E-06	5.55E-07	5.14673E-12	3.37478E-10	3.16172E-12	6.91061E-11
518	571470.6	4178559	0.55, 41785	0.60049	0.63425	143.56241	49.93475	19.90478	10.29716	1.74753E-08	1.16E-10	1.76E-08	4.18E-06	9.13E-09	4.19E-06	5.79E-07	3.64E-09	5.83E-07	5.43E-12	1.64E-11	9.49E-12	8.4E-11	2.03E-09	1.12E-10	2.22608E-09	8.796E-08	4.187E-06	5.83E-07	4.51108E-12	2.95798E-10	2.77123E-12	6.05711E-11
519	571510.6	4178559	0.55, 41785	0.52736	0.56045	131.02036	47.72087	18.26486	8.99798	1.53471E-08	1.02E-10	1.54E-08	3.81E-06	8.73E-09	3.82E-06	5.32E-07	3.34E-09	5.35E-07	4.77E-12	1.44E-11	8.33E-12	7.38E-11	1.78E-09	9.84E-11	1.95506E-09	7.725E-08	3.8216E-06	5.35E-07	3.96186E-12	2.59785E-10	2.43384E-12	5.31967E-11
520	571550.6	4178559	0.55, 41785	0.46874	0.49944	99.50634	45.73793	14.05158	8.03042	1.36411E-08	9.13E-11	1.37E-08	2.9E-06	8.36E-09	2.9E-06	4.09E-07	2.57E-09	4.11E-07	4.24E-12	1.28E-11	7.41E-12	6.56E-11	1.58E-09	8.74E-11	1.73777E-09	6.866E-08	2.9042E-06	4.11E-07	3.52153E-12	2.30912E-10	2.16333E-12	4.72843E-11
521	571590.6	4178559	0.55, 41785	0.42104	0.44786	63.39282	43.98321	9.17705	7.35207	1.2253E-08	8.19E-11	1.23E-08	1.84E-06	8.04E-09	1.85E-06	2.67E-07	1.68E-09	2.69E-07	3.81E-12	1.15E-11	6.65E-12	5.89E-11	1.42E-09	7.85E-11	1.56091E-09	6.167E-08	1.8529E-06	2.69E-07	3.16314E-12	2.07411E-10	1.94317E-12	4.24721E-11
522	570310.6	4178599	0.55, 41785	0.10507	0.08466	83.25071	28.48032	11.19876	3.62883	3.05772E-09	1.55E-11	3.07E-09	2.42E-06	5.21E-09	2.43E-06	3.26E-07	2.05E-09	3.28E-07	9.48E-13	2.86E-12	1.66E-12	1.47E-11	3.55E-10	1.96E-11	3.88897E-10	1.537E-08	2.4279E-06	3.28E-07	7.88086E-13	5.16759E-11	4.84134E-13	1.05818E-11
523	570350.6	4178599	0.55, 41785	0.11716	0.09561	88.57329	30.33455	11.44069	3.79182	3.40956E-09	1.75E-11	3.43E-09	2.58E-06	5.55E-09	2.58E-06	3.33E-07	2.09E-09	3.35E-07	1.06E-12	3.19E-12	1.85E-12	1.64E-11	3.95E-10	2.18E-11	4.33673E-10	1.714E-08	2.5832E-06	3.35E-07	8.78825E-13	5.76258E-11	5.39876E-13	1.18002E-11
524	570390.6	4178599	0.55, 41785	0.13131	0.10865	93.2639	32.45644	11.65799	4.05706	3.82135E-09	1.99E-11	3.84E-09	2.71E-06	5.94E-09	2.72E-06	3.39E-07	2.13E-09	3.41E-07	1.19E-12	3.58E-12	2.07E-12	1.84E-11	4.43E-10	2.45E-11	4.86085E-10	1.921E-08	2.7201E-06	3.41E-07	9.85035E-13	6.45901E-11	6.05123E-13	1.32263E-11
525	570430.6	4178599	0.55, 41785	0.15022	0.126	103.53542	36.02365	12.94193	4.50296	4.37166E-09	2.30E-11	4.39E-09	3.01E-06	6.59E-09	3.02E-06	3.77E-07	2.37E-09	3.79E-07	1.36E-12	4.09E-12	2.37E-12	2.1E-11	5.07E-10	2.8E-11	5.56126E-10	2.197E-08	3.0196E-06	3.79E-07	1.12697E-12	7.3897E-11	6.92316E-13	1.5132E-11
526	570470.6	4178599	0.55, 41785	0.17421	0.14819	115.63183	39.91557	14.45398	5.34922	5.06981E-09	2.71E-11	5.1E-09	3.37E-06	7.30E-09	3.37E-06	4.21E-07	2.64E-09	4.23E-07	1.57E-12	4.75E-12	2.75E-12	2.44E-11	5.88E-10	3.24E-11	6.44986E-10	2.548E-08	3.3724E-06	4.23E-07	1.30704E-12	8.57047E-11	8.02938E-13	1.75499E-11
527	570510.6	4178599	0.55, 41785	0.20799	0.17912	128.15759	44.54205	16.0197	6.36274	6.05286E-09	3.28E-11	6.09E-09	3.73E-06	8.15E-09	3.74E-06	4.66E-07	2.93E-09	4.69E-07	1.88E-12	5.67E-12	3.28E-12	2.91E-11	7.02E-10	3.87E-11	7.70102E-10	3.043E-08	3.7378E-06	4.69E-07	1.56059E-12	1.0233E-10	9.58694E-13	2.09543E-11
528	570550.6	4178599	0.55, 41785	0.25382	0.22088	141.74172	51.90419	17.71771	7.41488	7.3866E-09	4.04E-11	7.43E-09	4.12E-06	9.49E-09	4.13E-06	5.16E-07	3.24E-09	5.19E-07	2.29E-12	6.92E-12	4.01E-12	3.55E-11	8.57E-10	4.73E-11	9.39845E-10	3.713E-08	4.1344E-06	5.19E-07	1.90456E-12	1.24885E-10	1.17E-12	2.5573E-11
529	570590.6	4178599	0.55, 41785	0.31442	0.27626	161.8077	62.94071	20.22596	8.27119	9.15016E-09	5.05E-11	9.2E-09	4.71E-06	1.15E-08	4.72E-06	5.89E-07	3.70E-09	5.92E-07	2.84E-12	8.57E-12	4.96E-12	4.4E-11	1.06E-09	5.86E-11	1.1643E-09	4.6E-08	4.7204E-06	5.92E-07	2.35941E-12	1.5471E-10	1.44942E-12	3.16802E-11
530	570630.6	4178599	0.55, 41785	0.39904	0.35395	187.04764	77.01967	23.38095	12.20463	1.16127E-08	6.47E-11	1.17E-08	5.44E-06	1.41E-08	5.46E-06	6.8E-07	4.28E-09	6.85E-07	3.6E-12	1.09E-11	6.3E-12	5.58E-11	1.35E-09	7.43E-11	1.47772E-09	5.839E-08	5.4575E-06	6.85E-07	2.99455E-12	1.96357E-10	1.8396E-12	4.02084E-11
531	570670.6	4178599	0.55, 41785	0.52025	0.46779	203.91154	89.67976	27.18561	17.16092	1.51402E-08	8.55E-11	1.52E-08	5.93E-06	1.64E-08	5.95E-06	7.91E-07	4.97E-09	7.96E-07	4.7E-12	1.42E-11	8.21E-12	7.27E-11	1.76E-09	9.69E-11	1.92673E-09	7.613E-08	5.9506E-06	7.96E-07	3.90446E-12	2.56021E-10	2.39857E-12	5.24259E-11
532	570710.6	4178599	0.55, 41785	0.68748	0.63563	226.5911	101.22552	32.37016	22.387	2.00068E-08	1.16E-10	2.01E-08	6.59E-06	1.85E-08	6.61E-06	9.42E-07	5.92E-09	9.48E-07	6.21E-12	1.87E-11	1.09E-11	9.61E-11	2.32E-09	1.28E-10	2.54647E-09	1.006E-07	6.6127E-06	9.48E-07	5.16033E-12	3.3837E-10	3.17007E-12	6.92888E-11
533	570750.6	4178599	0.55, 41785	0.91976	0.89022	243.41497	114.05895	34.77357	31.00996	2.67666E-08	1.63E-10	2.69E-08	7.08E-06	2.09E-08	7.1E-06	1.01E-06	6.36E-09	1.02E-06	8.31E-12	2.51E-11	1.45E-11	1.29E-10	3.11E-09	1.71E-10	3.40777E-09	1.346E-07	7.1046E-06	1.02E-06	6.90573E-12	4.52818E-10	4.2423E-12	9.27246E-11
534	570790.6	4178599	0.55, 41785	1.20615	1.22781	261.32328	130.44037	39.31654	39.06207	3.5101E-08	2.25E-10	3.53E-08	7.6E-06	2.39E-08	7.63E-06	1.14E-06	7.19E-09	1.15E-06	1.09E-11	3.29E-11	1.91E-11	1.69E-10	4.08E-09	2.25E-10	4.47026E-09	1.766E-07	7.6288E-06	1.15E-06	9.05883E-12	5.94E-10	5.56498E-12	1.21635E-10
535	570830.6	4178599	0.55, 41785	1.86035	2.06593	307.79075	158.37727	57.33573	51.17396	5.41394E-08	3.78E-10	5.45E-08	8.96E-06	2.90E-08	8.99E-06	1.67E-06	1.05E-08	1.68E-06	1.68E-11	5.08E-11	2.94E-11	2.6E-10	6.29E-09	3.47E-10	6.89885E-09	2.726E-07	8.9862E-06	1.68E-06	1.39803E-11	9.16708E-10	8.58832E-12	1.87716E-10
536	570870.6	4178599	0.55, 41785	2.81953	3.8452	429.66876	238.19724	77.96533	87.47681	8.20531E-08	7.03E-10	8.28E-08	1.25E-05	4.36E-08	1.25E-05	2.27E-06	1.43E-08	2.28E-06	2.55E-11	7.71E-11	4.46E-11	3.95E-10	9.55E-09	5.27E-10	1.04724E-08	4.138E-07	1.2548E-05	2.28E-06	2.12219E-11	1.39155E-09	1.3037E-11	2.84951E-10
537	570910.6	4178599	0.55, 41785	4.21414	6.38342	555.65098	273.48442	124.98504	103.73159	1.22639E-07	1.17E-09	1.24E-07	1.62E-05	5.00E-08	1.62E-05	3.64E-06	2.29E-08	3.66E-06	3.82E-11	1.15E-10	6.68E-11	5.91E-10	1.43E-08	7.88E-10	1.5667E-08	6.19E-07	1.622E-05	3.66E-06	3.17486E-11	2.0818E-09	1.95037E-11	4.26295E-10
538	570950.6	4178599	0.55, 41785	4.59898	4.54538	563.80012	195.03038	96.52509	58.5202	1.33838E-07	8.31E-10	1.35E-07	1.64E-05	3.57E-08	1.64E-05	2.81E-06	1.77E-08	2.83E-06	4.16E-11	1.25E-10	7.26E-11	6.43E-10	1.55E-08	8.57E-10	1.70417E-08	6.733E-07	1.6443E-05	2.83E-06	3.45344E-11	2.26447E-09	2.1215E-11	4.637E-10
539	570990.6	4178599	0.55, 41785	3.82228	3.4158	387.45867	157.86758	74.93195	45.58999	1.11235E-07	6.25E-10	1.12E-07	1.13E-05	2.89E-08	1.13E-05	2.18E-06	1.37E-08	2.19E-06	3.45E-11	1.04E-10	6.03E-11	5.34E-10	1.29E-08	7.12E-10	1.41552E-08	5.593E-07	1.1305E-05	2.19E-06	2.86851E-11	1.88092E-09	1.76217E-11	3.8516E-10
540	571030.6	4178599	0.55, 41785	3.02247	2.69987	442.17309	124.03841	67.82636	38.72372	8.7959E-08	4.94E-10	8.85E-08	1.29E-05	2.27E-08	1.29E-05	1.97E-06	1.24E-08	1.99E-06	2.73E-11	8.24E-11	4.77E-11	4.23E-10	1.02E-08	5.63E-10	1.11932E-08	4.423E-07	1.2891E-05	1.99E-06	2.26827E-11	1.48734E-09	1.39343E-11	3.04565E-10
541	571070.6	4178599	0.55, 41785	2.43201	2.20804	323.32852	105.96293	49.87717	32.54487	7.07756E-08	4.04E-10	7.12E-08	9.41E-06	1.94E-08	9.43E-06	1.45E-06	9.12E-09	1.46E-06	2.2E-11	6.63E-11	3.84E-11	3.4E-10	8.21E-09	4.53E-10	9.00737E-09	3.559E-07	9.4288E-06	1.46E-06	1.82531E-11	1.19688E-09	1.12132E-11	2.45088E-10
542	571110.6	4178599	0.55, 41785	1.9361	1.83698	285.52756	89.63178	42.26506	28.59229	5.63438E-08	3.36E-10	5.67E-08	8.31E-06	1.64E-08	8.33E-06	1.23E-06	7.73E-09	1.24E-06	1.75E-11	5.28E-11	3.06E-11	2.71E-10	6.54E-09	3.61E-10	7.17252E-09	2.834E-07	8.3257E-06	1.24E-06	1.45349E-11	9.53072E-10	8.929E-12	1.95162E-10
543	571150.6	4178599	0.55, 41785	1.58315	1.55537	182.41041	88.91432	29.75311	25.20352	4.60724E-08	2.84E-10	4.64E-08	5.31E-06	1.63E-08	5.32E-06	8.66E-07	5.44E-09	8.71E-07	1.43E-11	4.32E-11	2.5E-11	2.21E-10	5.35E-09	2.95E-10	5.8662E-09	2.318E-07	5.3247E-06	8.71E-07	1.18877E-11	7.79491E-10	7.30278E-12	1.59618E-10
544	571190.6	4178599	0.55, 41785	1.33739	1.33597	189.26194	77.8274	24.55337	21.99349	3.89203E-08	2.44E-10	3.92E-08	5.51E-06	1.42E-08	5.52E-06	7.15E-07	4.49E-09	7.19E-07	1.21E-11	3.65E-11	2.11E-11	1.87E-10	4.52E-09	2.49E-10	4.95607E-09	1.958E-07	5.5221E-06	7.19E-07	1.00433E-11	6.58555E-10	6.16977E-12	1.34854E-10
545	571230.6	4178599	0.55, 41785	1.14183	1.1549	177.02423	70.01737	25.42204	18.83046	3.32292E-08	2.11E-10	3.34E-08	5.15E-06	1.28E-08	5.16E-06	7.4E-07	4.65E-09	7.44E-07	1.03E-11	3.12E-11	1.8E-11	1.6E-10	3.86E-09	2.13E-10	4.2317E-09	1.672E-07	5.1645E-06	7.44E-07	8.5754E-12	5.62301E-10	5.26801E-12	1.15144E-10
546	571270.6	4178599	0.55, 41785	0.97959	1.00523	160.46118	68.49541	22.92303	16.81937	2.85077E-08	1.84E-10	2.87E-08	4.67E-06	1.25E-08	4.68E-06	6.67E-07	4.19E-09	6.71E-07	8.85E-12	2.67E-11	1.55E-11	1.37E-10	3.31E-09	1.83E-10	3.63076E-09	1.435E-07	4.6822E-06	6.71E-07	7.35762E-12	4.8245E-10	4.5199E-12	9.87922E-11
547	571310.6	4178599	0.55, 41785	0.84011	0.87488	131.92842	62.86665	16.49105	15.16442	2.44486E-08	1.60E-10	2.46E-08	3.84E-06	1.15E-08	3.85E-06	4.8E-07	3.02E-09	4.83E-07	7.59E-12	2.29E-11	1.33E-11	1.18E-10	2.84E-09	1.57E-10	3.11409E-09	1.23E-07	3.8508E-06	4.83E-07	6.3106E-12	4.13795E-10	3.8767E-12	8.47336E-11
548	571350.6	4178599	0.55, 41785	0.73896	0.77159	149.85158	58.69155	22.55392	13.49962	2.1505E-08	1.41E-10	2.16E-08	4.36E-06	1.07E-08	4.37E-06	6.56E-07	4.12E-09	6.6E-07	6.68E-12	2.02E-11	1.17E-11	1.03E-10	2.5E-09	1.38E-10	2.7392E-09	1.082E-07	4.3717E-06	6.6E-07	5.55089E-12	3.6398E-10	3.41E-12	7.45329E-11
549	571390.6	4178599	0.55, 41785	0.661	0.68563	168.50279	56.32456	24.41155	12.10471	1.92362E-08	1.25E-10	1.94E-08	4.9E-06	1.03E-08	4.91E-06	7.1E-07	4.46E-09	7.15E-07	5.97E-12	1.8E-11	1.04E-11	9.25E-11	2.23E-09	1.23E-10	2.45011E-09	9.681E-08	4.914E-06	7.15E-07	4.96506E-12	3.25566E-10	3.05012E-12	6.66668E-11
550	571430.6	4178599	0.55, 41785	0.59511	0.61204	136.17098	51.76249	20.03651	10.61326	1.73187E-08	1.12E-10	1.74E-08	3.96E-06	9.47E-09	3.97E-06	5.83E-07	3.66E-09	5.87E-07	5.38E-12	1.62E-11	9.4E-12	8.33E-11	2.01E-09	1.11E-10	2.20575E-09	8.715E-08	3.9723E-06	5.87E-07	4.46989E-12	2.93097E-10	2.74592E-12	6.0018E-11
551	571470.6	4178599	0.55, 41785	0.53051	0.54561	117.9441	47.17442	16.84916	9.40387	1.54387E-08	9.98E-11	1.55E-08	3.43E-06	8.63E-09	3.44E-06	4.9E-07	3.08E-09	4.93E-07	4.79E-12	1.45E-11	8.38E-12	7.42E-11	1.79E-09	9.89E-11	1.96632E-09	7.769E-08	3.441E-06	4.93E-07	3.98467E-12	2.61281E-10	2.44785E-12	5.3503E-11
552	571510.6	4178599	0.55, 41785	0.47218	0.48877	120.07824	45.51387	16.38718	8.49605	1.37412E-08	8.94E-11	1.38E-08	3.49E-06	8.32E-09	3.5E-06	4.77E-07	3.00E-09	4.8E-07	4.27E-12	1.29E-11	7.46E-12	6.61E-11	1.6E-09	8.8E-11	1.75019E-09	6.915E-08	3.5028E-06	4.8E-07	3.5467E-12	2.32562E-10	2.1788E-12	4.76223E-11
553	571550.6	4178599	0.55, 41785	0.42043	0.43954	119.99429	43.92883	16.43506	7.56489	1.22352E-08	8.04E-11	1.23E-08	3.49E-06	8.03E-09	3.5E-06	4.78E-07	3.01E-09	4.81E-07	3.8E-12	1.15E-11	6.64E-12	5.88E-11	1.42E-09	7.84E-11	1.55847E-09	6.158E-08	3.5001E-06	4.81E-07	3.15819E-12	2.07087E-10	1.94013E-12	4.24057E-11
554	571590.6	4178599	0.55, 41785	0.37632	0.39688	100.33698	42.40478	13.86046	7.00095	1.09516E-08	7.26E-11	1.1E-08	2.92E-06	7.75E-09	2.93E-06	4.03E-07	2.53E-09	4.06E-07	3.4E-12	1.03E-11	5.95E-12	5.27E-11	1.27E-09	7.02E-11	1.39504E-09	5.512E-08	2.9277E-06	4.06E-07	2.82701E-12	1.85371E-10	1.73668E-12	3.79588E-11
555	570310.6	4178639	0.55, 41786	0.10356	0.08559	83.92303	29.66661	10.49038	3.70833	3.01377E-09	1.57E-11	3.03E-09	2.44E-06	5.43E-09	2.45E-06	3.05E-07	1.92E-09	3.07E-07	9.35E-13	2.82E-12	1.63E-12	1.45E-11	3.5E-10	1.93E-11	3.83357E-10	1.515E-08	2.4477E-06	3.07E-07	7.76861E-13	5.09399E-11	4.77238E-13	1.04311E-11
556	570350.6	4178639	0.55, 41786	0.1161	0.09716	92.63397	32.60646	11.57925	4.08084	3.37871E-09	1.78E-11	3.4E-09	2.7E-06	5.96E-09	2.7E-06	3.37E-07	2.12E-09	3.39E-07	1.05E-12	3.16E-12	1.83E-12	1.62E-11	3.92E-10	2.16E-11	4.29806E-10	1.698E-08	2.7018E-06	3.39E-07	8.70987E-13	5.71118E-11	5.35061E-13	1.16949E-11
557	570390.6	4178639	0.55, 41786	0.13068	0.11086	100.54346	34.97331	12.56793	4.70976	3.80301E-09	2.03E-11	3.82E-09	2.93E-06	6.40E-09	2.93E-06	3.66E-07	2.30E-09	3.68E-07	1.18E-12	3.56E-12	2.06E-12	1.83E-11	4.41E-10	2.43E-11	4.83816E-10	1.912E-08	2.9324E-06	3.68E-07	9.80437E-13	6.42886E-11	6.02298E-13	1.31645E-11
558	570430.6	4178639	0.55, 41786	0.14929	0.12834	107.49924	37.52244	13.4374	5.36035	4.34459E-09	2.35E-11	4.37E-09	3.13E-06	6.86E-09	3.14E-06	3.91E-07	2.46E-09	3.94E-07	1.35E-12	4.07E-12	2.36E-12	2.09E-11	5.04E-10	2.78E-11	5.52755E-10	2.184E-08	3.1353E-06	3.94E-07	1.12014E-12	7.34491E-11	6.8812E-13	1.50403E-11
559	570470.6	4178639	0.55, 41786	0.17443	0.15183	116.62505	42.4162	14.57813	6.05946	5.07621E-09	2.78E-11	5.1E-09	3.39E-06	7.76E-09	3.4E-06	4.24E-07	2.67E-09	4.27E-07	1.57E-12	4.76E-12	2.75E-12	2.44E-11	5.89E-10	3.25E-11	6.45881E-10	2.552E-08	3.4017E-06	4.27E-07	1.30886E-12	8.58235E-11	8.04051E-13	1.75743E-11
560	570510.6	4178639	0.55, 41786	0.20768	0.18277	127.00459	48.18252	15.87557	6.71257	6.04384E-09	3.34E-11	6.08E-09	3.7E-06	8.81E-09	3.7E-06	4.62E-07	2.90E-09	4.65E-07	1.88E-12	5.66E-12	3.28E-12	2.9E-11	7.01E-10	3.87E-11	7.69045E-10	3.039E-08	3.7049E-06	4.65E-07	1.55844E-12	1.02189E-10	9.57378E-13	2.09255E-11
561	570550.6	4178639	0.55, 41786	0.2504	0.22269	148.76746	59.99627	18.59593	7.58374	7.28707E-09	4.07E-11	7.33E-09	4.33E-06	1.10E-08	4.34E-06	5.41E-07	3.40E-09	5.45E-07	2.26E-12	6.83E-12	3.95E-12	3.5E-11	8.46E-10	4.66E-11	9.27292E-10	3.664E-08	4.3404E-06	5.45E-07	1.87913E-12	1.23217E-10	1.15438E-12	2.52314E-11
562	570590.6	4178639	0.55, 41786	0.30521	0.27478	162.38276	69.4472	20.29784	10.74133	8.88213E-09	5.03E-11	8.93E-09	4.73E-06	1.27E-08	4.74E-06	5.91E-07	3.71E-09	5.94E-07	2.76E-12	8.32E-12	4.82E-12	4.27E-11	1.03E-09	5.69E-11	1.13034E-09	4.466E-08	4.7383E-06	5.94E-07	2.29061E-12	1.50198E-10	1.40716E-12	3.07564E-11
563	570630.6	4178639	0.55, 41786	0.37839	0.34592	177.15033	78.68271	23.7109	14.16715	1.10118E-08	6.33E-11	1.11E-08	5.16E-06	1.44E-08	5.17E-06	6.9E-07	4.34E-09	6.94E-07	3.42E-12	1.03E-11	5.97E-12	5.29E-11	1.28E-09	7.05E-11	1.40149E-09	5.538E-08	5.1698E-06	6.94E-07	2.84007E-12	1.86227E-10	1.7447E-12	3.81342E-11

564	570670.6	4178639	0.55, 41786	0.47152	0.44129	194.04584	86.02037	27.72083	17.24466	1.3722E-08	8.07E-11	1.38E-08	5.65E-06	1.57E-08	5.66E-06	8.07E-07	5.07E-09	8.12E-07	4.26E-12	1.29E-11	7.44E-12	6.59E-11	1.59E-09	8.79E-11
565	570710.6	4178639	0.55, 41786	0.59058	0.57043	207.44684	93.90742	29.63526	21.88085	1.71869E-08	1.04E-10	1.73E-08	6.04E-06	1.72E-08	6.05E-06	8.62E-07	5.42E-09	8.68E-07	5.34E-12	1.61E-11	9.33E-12	8.26E-11	2E-09	1.1E-10
566	570750.6	4178639	0.55, 41786	0.7421	0.74424	219.27007	107.04803	31.3243	27.05481	2.15964E-08	1.36E-10	2.17E-08	6.38E-06	1.96E-08	6.4E-06	9.12E-07	5.73E-09	9.17E-07	6.71E-12	2.02E-11	1.17E-11	1.04E-10	2.51E-09	1.38E-10
567	570790.6	4178639	0.55, 41786	0.94425	0.97087	237.37937	117.94026	33.01145	30.70173	2.74793E-08	1.78E-10	2.77E-08	6.91E-06	2.16E-08	6.93E-06	9.61E-07	6.04E-09	9.67E-07	8.53E-12	2.58E-11	1.49E-11	1.32E-10	3.19E-09	1.76E-10
568	570830.6	4178639	0.55, 41786	1.23329	1.33292	295.25944	130.22679	42.69044	39.99654	3.58908E-08	2.44E-10	3.61E-08	8.59E-06	2.38E-08	8.62E-06	1.24E-06	7.81E-09	1.25E-06	1.12E-11	3.37E-11	1.95E-11	1.73E-10	4.17E-09	2.3E-10
569	570870.6	4178639	0.55, 41786	1.50989	1.73214	317.24906	188.19869	58.25942	53.82297	4.39404E-08	3.17E-10	4.43E-08	9.23E-06	3.44E-08	9.27E-06	1.7E-06	1.07E-08	1.71E-06	1.37E-11	4.12E-11	2.39E-11	2.11E-10	5.11E-09	2.82E-10
570	570910.6	4178639	0.55, 41786	1.78259	1.99297	332.58479	179.86407	63.94152	52.98497	5.18764E-08	3.64E-10	5.22E-08	9.68E-06	3.29E-08	9.71E-06	1.86E-06	1.17E-08	1.87E-06	1.61E-11	4.87E-11	2.82E-11	2.5E-10	6.03E-09	3.33E-10
571	570950.6	4178639	0.55, 41786	1.86524	1.94862	326.77204	147.92341	57.64661	41.4452	5.42817E-08	3.56E-10	5.46E-08	9.51E-06	2.71E-08	9.54E-06	1.68E-06	1.05E-08	1.69E-06	1.69E-11	5.09E-11	2.95E-11	2.61E-10	6.31E-09	3.48E-10
572	570990.6	4178639	0.55, 41786	1.76592	1.78245	311.73236	122.31574	43.80696	33.57582	5.13913E-08	3.26E-10	5.17E-08	9.07E-06	2.24E-08	9.09E-06	1.27E-06	8.01E-09	1.28E-06	1.6E-11	4.82E-11	2.79E-11	2.47E-10	5.97E-09	3.29E-10
573	571030.6	4178639	0.55, 41786	1.5977	1.58915	263.38378	106.70114	40.88022	26.80487	4.64958E-08	2.91E-10	4.68E-08	7.66E-06	1.95E-08	7.68E-06	1.19E-06	7.48E-09	1.2E-06	1.44E-11	4.36E-11	2.52E-11	2.24E-10	5.4E-09	2.98E-10
574	571070.6	4178639	0.55, 41786	1.42629	1.41473	323.91584	92.06505	44.84431	24.93328	4.15075E-08	2.59E-10	4.18E-08	9.43E-06	1.68E-08	9.44E-06	1.31E-06	8.20E-09	1.31E-06	1.29E-11	3.89E-11	2.25E-11	2E-10	4.82E-09	2.66E-10
575	571110.6	4178639	0.55, 41786	1.27265	1.25146	231.49813	85.11921	34.4516	22.95032	3.70363E-08	2.29E-10	3.73E-08	6.74E-06	1.56E-08	6.75E-06	1E-06	6.30E-09	1.01E-06	1.15E-11	3.47E-11	2.01E-11	1.78E-10	4.3E-09	2.37E-10
576	571150.6	4178639	0.55, 41786	1.10067	1.1079	235.36335	78.49538	33.92291	20.75102	3.20314E-08	2.03E-10	3.22E-08	6.85E-06	1.44E-08	6.86E-06	9.87E-07	6.20E-09	9.93E-07	9.95E-12	3E-11	1.74E-11	1.54E-10	3.72E-09	2.05E-10
585	571510.6	4178639	0.55, 41786	0.41516	0.4204	105.04191	43.02213	15.00599	7.61313	1.20819E-08	7.69E-11	1.22E-08	3.06E-06	7.87E-09	3.06E-06	4.37E-07	2.74E-09	4.39E-07	3.75E-12	1.13E-11	6.56E-12	5.81E-11	1.4E-09	7.74E-11
586	571550.6	4178639	0.55, 41786	0.37489	0.38245	101.59712	41.64808	13.25702	7.0054	1.09099E-08	6.99E-11	1.1E-08	2.96E-06	7.62E-09	2.96E-06	3.86E-07	2.42E-09	3.88E-07	3.39E-12	1.02E-11	5.92E-12	5.25E-11	1.27E-09	6.99E-11
587	571590.6	4178639	0.55, 41786	0.33863	0.34937	106.83121	40.48294	14.45913	6.53587	9.85471E-09	6.39E-11	9.92E-09	3.11E-06	7.40E-09	3.12E-06	4.21E-07	2.64E-09	4.23E-07	3.06E-12	9.24E-12	5.35E-12	4.74E-11	1.14E-09	6.31E-11
588	570310.6	4178679	0.55, 41786	0.10291	0.0869	88.39628	30.98258	11.04953	4.21243	2.99486E-09	1.59E-11	3.01E-09	2.57E-06	5.67E-09	2.58E-06	3.22E-07	2.02E-09	3.24E-07	9.29E-13	2.81E-12	1.62E-12	1.44E-11	3.47E-10	1.92E-11
589	570350.6	4178679	0.55, 41786	0.11574	0.09888	93.23081	33.32166	11.65385	4.76024	3.36823E-09	1.81E-11	3.39E-09	2.71E-06	6.09E-09	2.72E-06	3.39E-07	2.13E-09	3.41E-07	1.04E-12	3.16E-12	1.83E-12	1.62E-11	3.91E-10	2.16E-11
590	570390.6	4178679	0.55, 41786	0.13137	0.11361	99.39798	36.831	12.42475	5.26157	3.82309E-09	2.08E-11	3.84E-09	2.89E-06	6.74E-09	2.9E-06	3.62E-07	2.27E-09	3.64E-07	1.19E-12	3.58E-12	2.07E-12	1.84E-11	4.44E-10	2.45E-11
591	570430.6	4178679	0.55, 41786	0.15074	0.13191	105.99103	39.73692	13.24888	5.6767	4.38679E-09	2.41E-11	4.41E-09	3.08E-06	7.27E-09	3.09E-06	3.86E-07	2.42E-09	3.88E-07	1.36E-12	4.11E-12	2.38E-12	2.11E-11	5.09E-10	2.81E-11
592	570470.6	4178679	0.55, 41786	0.17494	0.15487	121.69462	47.75873	15.21183	5.96984	5.09105E-09	2.83E-11	5.12E-09	3.54E-06	8.73E-09	3.55E-06	4.43E-07	2.78E-09	4.45E-07	1.58E-12	4.77E-12	2.76E-12	2.45E-11	5.91E-10	3.26E-11
593	570510.6	4178679	0.55, 41786	0.2057	0.18414	135.37794	56.46386	16.92224	7.12807	5.98622E-09	3.37E-11	6.02E-09	3.94E-06	1.03E-08	3.95E-06	4.92E-07	3.09E-09	4.96E-07	1.86E-12	5.61E-12	3.25E-12	2.88E-11	6.95E-10	3.83E-11
594	570550.6	4178679	0.55, 41786	0.2434	0.22078	142.10791	62.60325	17.76349	9.55219	7.08336E-09	4.04E-11	7.12E-09	4.14E-06	1.14E-08	4.15E-06	5.17E-07	3.25E-09	5.2E-07	2.2E-12	6.64E-12	3.84E-12	3.4E-11	8.22E-10	4.54E-11
595	570590.6	4178679	0.55, 41786	0.29132	0.2684	157.44437	70.02377	21.20731	12.01595	8.47791E-09	4.91E-11	8.53E-09	4.58E-06	1.28E-08	4.59E-06	6.17E-07	3.88E-09	6.21E-07	2.63E-12	7.94E-12	4.6E-12	4.07E-11	9.84E-10	5.43E-11
596	570630.6	4178679	0.55, 41786	0.34871	0.32823	170.78411	74.6949	24.39773	14.09383	1.01481E-08	6.00E-11	1.02E-08	4.97E-06	1.37E-08	4.98E-06	7.1E-07	4.46E-09	7.14E-07	3.15E-12	9.51E-12	5.51E-12	4.88E-11	1.18E-09	6.5E-11
597	570670.6	4178679	0.55, 41786	0.41782	0.40379	181.29369	80.27499	25.8991	15.99045	1.21593E-08	7.38E-11	1.22E-08	5.28E-06	1.47E-08	5.29E-06	7.54E-07	4.74E-09	7.58E-07	3.77E-12	1.14E-11	6.6E-12	5.84E-11	1.41E-09	7.79E-11
598	570710.6	4178679	0.55, 41786	0.49876	0.49687	185.88712	90.92914	26.5553	19.21501	1.45148E-08	9.09E-11	1.46E-08	5.41E-06	1.66E-08	5.43E-06	7.73E-07	4.86E-09	7.78E-07	4.51E-12	1.36E-11	7.88E-12	6.98E-11	1.69E-09	9.3E-11
599	570750.6	4178679	0.55, 41786	0.59336	0.60818	195.07014	97.11431	27.40212	20.89244	1.72678E-08	1.11E-10	1.74E-08	5.68E-06	1.78E-08	5.69E-06	7.97E-07	5.01E-09	8.02E-07	5.36E-12	1.62E-11	9.37E-12	8.3E-11	2.01E-09	1.11E-10
600	570790.6	4178679	0.55, 41786	0.71288	0.74367	232.56486	100.08812	29.70634	25.09865	2.0746E-08	1.36E-10	2.09E-08	6.77E-06	1.83E-08	6.79E-06	8.65E-07	5.43E-09	8.7E-07	6.44E-12	1.95E-11	1.13E-11	9.98E-11	2.41E-09	1.33E-10
601	570830.6	4178679	0.55, 41786	0.82835	0.8948	250.25968	113.32691	36.36599	33.16876	2.41064E-08	1.64E-10	2.43E-08	7.28E-06	2.07E-08	7.3E-06	1.06E-06	6.65E-09	1.06E-06	7.49E-12	2.26E-11	1.31E-11	1.16E-10	2.8E-09	1.55E-10
602	570870.6	4178679	0.55, 41786	0.92801	1.04065	269.45277	158.88347	39.41339	35.15016	2.70067E-08	1.90E-10	2.72E-08	7.84E-06	2.91E-08	7.87E-06	1.15E-06	7.21E-09	1.15E-06	8.39E-12	2.53E-11	1.47E-11	1.3E-10	3.14E-09	1.73E-10
603	570910.6	4178679	0.55, 41786	1.03394	1.13081	259.70616	144.94226	42.20689	35.5523	3.00894E-08	2.07E-10	3.03E-08	7.56E-06	2.65E-08	7.58E-06	1.23E-06	7.72E-09	1.24E-06	9.35E-12	2.82E-11	1.63E-11	1.45E-10	3.5E-09	1.93E-10
604	570950.6	4178679	0.55, 41786	1.05684	1.13643	242.80014	123.49716	39.92153	30.15323	3.07558E-08	2.08E-10	3.1E-08	7.07E-06	2.26E-08	7.09E-06	1.16E-06	7.30E-09	1.17E-06	9.55E-12	2.88E-11	1.67E-11	1.48E-10	3.57E-09	1.97E-10
605	570990.6	4178679	0.55, 41786	1.01802	1.09421	255.86386	105.93706	37.15781	26.85338	2.96261E-08	2.00E-10	2.98E-08	7.45E-06	1.94E-08	7.47E-06	1.08E-06	6.80E-09	1.09E-06	9.2E-12	2.78E-11	1.61E-11	1.42E-10	3.44E-09	1.9E-10
606	571030.6	4178679	0.55, 41786	0.98373	1.03259	224.24787	96.85684	32.03518	21.71644	2.86282E-08	1.89E-10	2.88E-08	6.53E-06	1.77E-08	6.54E-06	9.32E-07	5.86E-09	9.38E-07	8.89E-12	2.68E-11	1.55E-11	1.38E-10	3.33E-09	1.83E-10
607	571070.6	4178679	0.55, 41786	0.92088	0.95493	234.21131	81.25508	29.84103	18.74017	2.67992E-08	1.75E-10	2.7E-08	6.82E-06	1.49E-08	6.83E-06	8.68E-07	5.46E-09	8.74E-07	8.32E-12	2.51E-11	1.45E-11	1.29E-10	3.11E-09	1.72E-10
608	571110.6	4178679	0.55, 41786	0.85296	0.87816	249.82687	76.90023	32.83771	18.41049	2.48226E-08	1.61E-10	2.5E-08	7.27E-06	1.41E-08	7.28E-06	9.56E-07	6.01E-09	9.62E-07	7.71E-12	2.33E-11	1.35E-11	1.19E-10	2.88E-09	1.59E-10
609	571150.6	4178679	0.55, 41786	0.78449	0.80428	184.12399	71.8753	26.94504	17.68151	2.283E-08	1.47E-10	2.3E-08	5.36E-06	1.31E-08	5.37E-06	7.84E-07	4.93E-09	7.89E-07	7.09E-12	2.14E-11	1.24E-11	1.1E-10	2.65E-09	1.46E-10
610	571190.6	4178679	0.55, 41786	0.70872	0.73542	192.12547	69.23049	27.25383	16.04767	2.0625E-08	1.34E-10	2.08E-08	5.59E-06	1.27E-08	5.6E-06	7.93E-07	4.98E-09	7.98E-07	6.41E-12	1.93E-11	1.12E-11	9.92E-11	2.4E-09	1.32E-10
611	571230.6	4178679	0.55, 41786	0.64141	0.6715	152.95792	62.82263	21.78847	14.44714	1.86661E-08	1.23E-10	1.88E-08	4.45E-06	1.15E-08	4.46E-06	6.34E-07	3.98E-09	6.38E-07	5.8E-12	1.75E-11	1.01E-11	8.98E-11	2.17E-09	1.2E-10
612	571270.6	4178679	0.55, 41786	0.5854	0.61191	124.65244	57.66905	20.54509	12.75642	1.70361E-08	1.12E-10	1.71E-08	3.63E-06	1.05E-08	3.64E-06	5.98E-07	3.76E-09	6.02E-07	5.29E-12	1.6E-11	9.25E-12	8.19E-11	1.98E-09	1.09E-10
613	571310.6	4178679	0.55, 41786	0.53447	0.5582	125.80787	55.1913	17.97255	11.70277	1.5554E-08	1.02E-10	1.57E-08	3.66E-06	1.01E-08	3.67E-06	5.23E-07	3.29E-09	5.26E-07	4.83E-12	1.46E-11	8.44E-12	7.48E-11	1.81E-09	9.97E-11
614	571350.6	4178679	0.55, 41786	0.48504	0.50906	111.39997	53.56601	13.925	11.19981	1.41155E-08	9.31E-11	1.42E-08	3.24E-06	9.80E-09	3.25E-06	4.05E-07	2.55E-09	4.08E-07	4.38E-12	1.32E-11	7.66E-12	6.79E-11	1.64E-09	9.05E-11
615	571390.6	4178679	0.55, 41786	0.44312	0.4655	107.51836	51.27371	13.43979	10.40254	1.28955E-08	8.51E-11	1.3E-08	3.13E-06	9.38E-09	3.14E-06	3.91E-07	2.46E-09	3.94E-07	4.01E-12	1.21E-11	7E-12	6.2E-11	1.5E-09	8.26E-11
616	571430.6	4178679	0.55, 41786	0.41031	0.42684	122.12368	48.88835	17.23844	9.36082	1.19407E-08	7.81E-11	1.2E-08	3.55E-06	8.94E-09	3.56E-06	5.02E-07	3.15E-09	5.05E-07	3.71E-12	1.12E-11	6.48E-12	5.74E-11	1.39E-09	7.65E-11
617	571470.6	4178679	0.55, 41786	0.38401	0.39267	130.83453	46.56818	18.03085	8.50414	1.11753E-08	7.18E-11	1.12E-08	3.81E-06	8.52E-09	3.82E-06	5.25E-07	3.30E-09	5.28E-07	3.47E-12	1.05E-11	6.07E-12	5.37E-11	1.3E-09	7.16E-11
618	571510.6	4178679	0.55, 41786	0.35733	0.36026	104.69184	43.30646	14.57371	7.68103	1.03989E-08	6.59E-11	1.05E-08	3.05E-06	7.92E-09	3.05E-06	4.24E-07	2.67E-09	4.27E-07	3.23E-12	9.75E-12	5.64E-12	5E-11	1.21E-09	6.66E-11
619	571550.6	4178679	0.55, 41786	0.32923	0.33046	93.91251	40.06683	13.41607	6.60436	9.58115E-09	6.04E-11	9.64E-09	2.73E-06	7.33E-09	2.74E-06	3.9E-07	2.45E-09	3.93E-07	2.98E-12	8.98E-12	5.2E-12	4.61E-11	1.11E-09	6.14E-11
620	571590.6	4178679	0.55, 41786	0.30119	0.30402	90.51235	37.8645	11.49242	5.95997	8.76514E-09	5.56E-11	8.82E-09	2.63E-06	6.92E-09	2.64E-06	3.34E-07	2.10E-09	3.37E-07	2.72E-12	8.22E-12	4.76E-12	4.21E-11	1.02E-09	5.62E-11
621	570310.6	4178719	0.55, 41787	0.10285	0.08839	86.08959	31.99227	10.7612	4.57032	2.99311E-09	1.62E-11	3.01E-09	2.51E-06	5.85E-09	2.51E-06	3.13E-07	1.97E-09	3.15E-07	9.29E-13	2.8E-12	1.62E-12	1.44E-11	3.47E-10	1.92E-11
622	570350.6	4178719	0.55, 41787	0.11563	0.10049	90.6137	34.18211	11.32671	4.88316	3.36503E-09	1.84E-11	3.38E-09	2.64E-06	6.25E-09	2.64E-06	3.3E-07	2.07E-09	3.32E-07	1.04E-12	3.15E-12	1.82E-12	1.62E-11	3.9E-10	2.15E-11
623	570390.6	4178719	0.55, 41787	0.13114	0.11521	102.01088	38.97546	12.75136	5.08393	3.8164E-09	2.11E-11	3.84E-09	2.97E-06	7.13E-09	2.98E-06	3.71E-07	2.33E-09	3.73E-07	1.18E-12	3.58E-12	2.07E-12	1.83E-11	4.43E-10	2.44E-11
624	570430.6	4178719	0.55, 41787	0.15	0.13322	114.28488	46.41789	14.28561	5.80224	4.36526E-09	2.44E-11	4.39E-09	3.33E-06	8.49E-09	3.33E-06	4.16E-07	2.61E-09	4.18E-07	1.35E-12	4.09E-12	2.37E-12	2.1E-11	5.07E-10	2.79E-11
625	570470.6	4178719	0.55, 41787	0.17288	0.1553	122.16306	52.59309	15.27038	6.67803	5.0311E-09	2.84E-11	5.06E-09	3.56E-06	9.62E-09	3.56E-06	4.44E-07	2.79E-09	4.47E-07	1.56E-12	4.71E-12	2.73E-12	2.42E-11	5.84E-10	3.22E-11
626	570510.6	4178719	0.55, 41787	0.1999	0.18201	126.87173	56.8638	15.85897	8.56143	5.81743E-09	3.33E-11	5.85E-09	3.69E-06	1.04E-08	3.7E-06	4.62E-07	2.90E-09	4.64E-07	1.81E-12	5.45E-12	3.16E-12	2.8E-11	6.75E-10	3.72E-11
627	570550.6	4178719	0.55, 41787	0.2328	0.21534	141.7684	62.68438	19.27806	10.36338	6.77488E-09	3.94E-11	6.81E-09	4.13E-06	1.15E-08	4.14E-06	5.61E-07	3.53E-09	5.65E-07	2.1E-12	6.35E-12	3.68E-12	3.26E-11	7.86E-10	4.34E-11
628	570590.6	4178719	0.55, 41787	0.2704	0.25529	152.6333	65.86327	21.80476	11.76563	7.8691E-09	4.67E-11	7.92E-09	4.44E-06	1.20E-08	4.45E-06	6.35E-07	3.99E-09	6.39E-07	2.44E-12	7.38E-12	4.27E-12	3.78E-11	9.13E-10	5.04E-11
629	570630.6	4178719	0.55, 41787	0.31352	0.30328	160.25221	70.5161	22.89317	12.52474	9.12397E-09	5.55E-11	9.18E-09	4.66E-06	1.29E-08	4.68E-06	6.66E-07	4.19E-09	6.7E-07	2.83E-12	8.55E-12	4.95E-12	4.39E-11	1.06E-09	5.84E-11
630	570670.6	4178719	0.55, 41787	0.36149	0.3594	159.13882	79.23774	22.73412	14.05012	1.052E-08	6.57E-11	1.06E-08	4.63E-06	1.45E-08	4.65E-06	6.62E-07	4.16E-09	6.66E-07	3.27E-12	9.86E-12	5.71E-12	5.06E-11	1.22E-09	6.74E-11
631	570710.6	4178719	0.55, 41787	0.41184	0.42167	168.39934	82.78202	23.84947	15.22445	1.19852E-08	7.71E-11	1.21E-08	4.9E-06	1.51E-08	4.92E-06	6.94E-07	4.36E-09	6.98E-07	3.72E-12	1.12E-11	6.51E-12	5.76E-11	1.39E-09	7.68E-11
632	570750.6	4178719	0.55, 41787	0.46631	0.48852	193.26616	81.97611	24.83922	16.78199	1.35704E-08	8.93E-11	1.37E-08	5.62E-06	1.50E-08	5.64E-06	7.23E-07	4.54E-09	7.27E-07	4.22E-12	1.27E-11	7.37E-12	6.53E-11	1.58E-09	8.7E-11
633	570790.6	4178719	0.55, 41787	0.5297	0.5627	208.56721	92.88706	26.09236	23.00092	1.54152E-08	1.03E-10	1.55E-08	6.07E-06	1.70E-08	6.09E-06	7.59E-07	4.77E-09	7.64E-07	4.79E-12	1.45E-11	8.37E-12	7.41E-11	1.79E-09	9.88E-11
634	570830.6	4178719	0.55, 41787	0.58417	0.63922	206.25232	102.59816	28.9378	25.69667	1.70003E-08	1.17E-10	1.71E-08	6E-06	1.88E-08	6.02E-06	8.42E-07	5.29E-09	8.47E-07	5.28E-12	1.59E-11	9.23E-12	8.18E-11	1.98E-09	1.09E-10
635	570870.6	4178719	0.55, 41787	0.63384	0.71183	208.40577	136.85909	28.70976	24.7437	1.84458E-08	1.30E-10	1.86E-08	6.06E-06	2.50E-08	6.09E-06	8.36E-07	5.25E-09	8.41E-07	5.73E-12	1.73E-11	1E-11	8.87E-11	2.14E-09	1.18E-10
636	570910.6	4178719	0.55, 41787	0.68401	0.75343	211.07044	124.31957	30.70854	25.49482	1.99059E-08	1.38E-10	2E-08	6.14E-06	2.27E-08	6.17E-06	8.94E-07	5.62E-09	8.99E-07	6.19E-12	1.87E-11	1.08E-11	9.58E-11	2.31E-09	1.28E-10
637	570950.6	4178719	0.55, 41787	0.69007	0.76497	207.10313	108.18225	30.79195	24.65468	2.00822E-08	1.40E-10	2.02E-08	6.03E-06	1.98E-08	6.05E-06	8.96E-07	5.63E-09	9.02E-07	6.24E-12	1.88E-11	1.09E-11	9.66E-11	2.33E-09	1.29E-10
638	570990.6	4178719	0.55, 41787	0.68048	0.74999	206.58356	95.47159	32.17827	21.60129	1.98031E-08	1.37E-10	1.99E-08	6.01E-06	1.75E-08	6.03E-06	9.36E-07	5.88E-09	9.42E-07	6.15E-12	1.86E-11	1.08E-11	9.53E-11	2.3E-09	1.27E-10
639	571030.6	4178719	0.55, 41787	0.66194	0.72353	210.3532	86.11281	30.372	18.42489	1.92636E-08	1.32E-10	1.94E-08	6.12E-06	1.57E-08	6.14E-06	8.84E-07	5.55E-09	8.89E-07	5.99E-12	1.81E-11	1.05E-11	9.27E-11	2.24E-09	1.23E-10
640	571070.6	4178719	0.55, 41787	0.64029	0.68839	181.70859	76.31707	22.73215	15.52213	1.86335E-08	1.26E-10	1.88E-08	5.29E-06	1.40E-08	5.3E-06	6.62E-07	4.16E-09	6.66E-07	5.79E-12	1.75E-11	1.01E-11	8.96E-11	2.16E-09	1.19E-10
641	571110.6	4178719	0.55, 41787	0.60626	0.64543	207.95149	70.27092	26.16426	14.32632	1.76432E-08	1.18E-10	1.78E-08	6.05E-06	1.29E-08	6.06E-06	7.61E-07	4.78E-09	7.66E-07	5.48E-12	1.65E-11	9.58E-12	8.49E-11	2.05E-09	1.13E-10
642	571150.6	4178719	0.55, 41787	0.57256	0.60327	200.64391	66.12781	25.68735	14.52342	1.66625E-08	1.10E-10	1.68E-08	5.84E-06	1.21E-08	5.85E-06	7.48E-07	4.70E-09	7.52E-07	5.18E-12	1.56E-11	9.05E-12	8.01E-11	1.94E-09	1.07E-10
643	571190.6	4178719	0.55, 41787	0.53842	0.56251	154.3512	63.9477	22.19645	14.00077	1.56689E-08	1.03E-10	1.58E-08	4.49E-06	1.17E-08	4.5E-06	6.46E-07	4.06E-09	6.5E-07	4.87E-12	1.47E-11	8.51E-12	7.53E-11	1.82E-09	1E-10
644	571230.6	4178719	0.55, 41787	0.49735	0.52247	159.72675	60.41971	22.34048	12.75874	1.44737E-08	9.55E-11	1.46E-08	4.65E-06	1.10E-08	4.66E-06	6.5E-07	4.09E-09	6.54E-07	4.5E-12	1.36E-11	7.86E-12	6.96E-11	1.68E-09	9.28E-11
645	571270.6	4178719	0.55, 41787	0.45612	0.4836	144.14128	55.22387	20.17616	11.51496	1.32739E-08	8.84E-11	1.34E-08	4.19E-06	1.01E-08	4.2E-06	5.87E-07	3.69E-09	5.91E-07	4.12E-12	1.25E-11	7.21E-12	6.38E-11	1.54E-09	8.51E-11
646	571310.6	4178719	0.55, 41787	0.42006	0.44717	118.44349	52.26024	17.97136	10.56882	1.22245E-08	8.18E-11	1.23E-08	3.45E-06	9.56E-09	3.46E-06	5.23E-07	3.29E-09	5.26E-07	3.8E-12	1.15E-11	6.64E-12	5.88E-11	1.42E-09	7.83E-11
647	571350.6	4178719	0.55, 41787	0.38785	0.41385	109.17018	50.24459	14.07795	10.0186	1.12871E-08	7.57E-11	1.14E-08	3.18E-06	9.19E-09	3.19E-06	4.1E-07	2.57E-09	4.12E-07	3.51E-12	1.06E-11	6.13E-12	5.43E-11	1.31E-09	7.23E-11
648	571390.6	4178719	0.55, 41787	0.35875	0.38356	87.70597	48.80309	10.96325	9.64341	1.04402E-08	7.01E-11	1.05E-08	2.55E-06	8.92E-09	2.56E-06	3.19E-07	2.00E-09	3.21E-07	3.24E-12	9.79E-12	5.67E-12	5.02E-11	1.21E-09	6.69E-11
649	571430.6	4178719	0.55, 41787	0.33385	0.35563	80.9107	47.09106	11.59229	8.99084	9.7156E-09	6.50E-11	9.78E-09	2.35E-06	8.61E-09	2.36E-06	3.37E-07	2.12E-09	3.39E-07	3.02E-12	9.11E-12	5.28E-12	4.67E-11	1.13E-09	6.23E-11
650	571470.6	4178719	0.55, 41787	0.31507	0.33052	111.40642	45.19171	15.57659	8.16367	9.16907E-09	6.04E-11	9.23E-09	3.24E-06	8.26E-09	3.25E-06	4.53E-07	2.85E-09	4.56E-07	2.85E-12	8.6E-12	4.98E-12	4.41E-11	1.07E-09	5.88E-11
651	571510.6	4178719	0.55, 41787	0.29891	0.30701	116.70467	43.07153	15.95519	7.46065	8.69879E-09	5.61E-11	8.75E-09	3.4E-06	7.88E-09	3.4E-06	4.64E-07	2.92E-09	4.67E-07	2.7E-12	8.16E-12	4.72E-12	4.18E-11	1.01E-09	5.57E-11
652	571550.6	4178719	0.55, 41787	0.28299	0.28542	93.20798	40.2806	12.81909	6.80365	8.23549E-09	5.22E-11	8.29E-09	2.71E-06	7.37E-09	2.72E-06	3.73E-07	2.34E-09	3.75E-07	2.56E-12	7.72E-12	4.47E-12	3.96E-11	9.56E-10	5.28E-11
653	571590.6	4178719	0.55, 41787	0.2649	0.26495	84.18961	37.57199	12.02709	5.93847	7.70904E-09	4.85E-11	7.76E-09	2.45E-06	6.87E-09	2.46E-06	3.5E-07	2.20E-09	3.52E-07	2.39E-12	7.23E-12	4.18E-12	3.71E-11	8.95E-10	4.94E-11
654	570310.6	4178759	0.55, 41787	0.10291	0.08971	86.89901	32.22927	10.86238	4.40505	2.99486E-09	1.64E-11	3.01E-09	2.53E-06	5.89E-09	2.53E-06	3.16E-07	1.99E-09	3.18E-07	9.29E-13	2.81E-12	1.62E-12	1.44E-11	3.48E-10	1.92E-11
655	570350.6	4178759	0.55, 41787	0.11544	0.10167	97.89636	38.6449	12.23704	4.83061	3.3595E-09	1.86E-11	3.38E-09	2.85E-06	7.07E-09	2.86E-06	3.56E-07	2.24E-09	3.58E-07	1.04E-12	3.15E-12	1.82E-12	1.61E-11	3.9E-10	2.15E-11
656	570390.6	4178759	0.55, 41787	0.13027	0.11595	105.67733	44.34348	13.20967	5.54293	3.79108E-09	2.12E-11	3.81E-09	3.08E-06	8.11E-09	3.08E-06	3.84E-07	2.42E-09	3.87E-07	1.18E-12	3.55E-12	2.06E-12	1.82E-11	4.4E-10	2.43E-11

Cobalt

	Trenching	Grading
Emissions Rate (g/s):	5.56E-09	3.49E-11

				Concentration [µg/m^3] at 1 g/s						Concentration (µg/m^3) Unmitigated									Unmitigated Residential Dose			Risk by Age Group				Unmitigated			Student Unmitigated		Worker Unmitigated	
#	X	Y	X,Y	Trenching Period	Grading Period	Treching 1hr	Grading 1hr	Trenching 8hr	Grading 8hr	Trenching Period	Grading Period	Period Total	Treching 1hr	Grading 1hr	1hr Total	renching 8h	Grading 8hr	8hr Total	3rd	0<2	2<9	3rd	0<2	2<9	Total Risk	Chronic	Acute	8hr	Dose	Risk	Dose	Risk
1	570310.6	4177919	0.55, 41779	0.08215	0.06425	53.98877	25.74637	6.7486	3.78109	4.56876E-10	2.25E-12	4.59E-10	3E-07	9.00E-10	3.01E-07	3.75E-08	2.36E-10	3.78E-08	1.42E-13	4.28E-13	2.48E-13	1.16E-13	2.8E-12	1.55E-13	3.07585E-12	4.591E-10	3.0116E-07	3.78E-08	1.17736E-13	4.08713E-13	7.23273E-14	8.3693E-14
2	570350.6	4177919	0.55, 41779	0.08744	0.06946	61.34869	26.43683	7.66859	3.66465	4.86296E-10	2.43E-12	4.89E-10	3.41E-07	9.24E-10	3.42E-07	4.26E-08	2.68E-10	4.29E-08	1.51E-13	4.55E-13	2.64E-13	1.24E-13	2.99E-12	1.65E-13	3.27416E-12	4.887E-10	3.4211E-07	4.29E-08	1.25327E-13	4.35065E-13	7.69907E-14	8.90892E-14
3	570390.6	4177919	0.55, 41779	0.09273	0.07514	67.57642	27.23616	8.44705	3.80844	5.15716E-10	2.63E-12	5.18E-10	3.76E-07	9.52E-10	3.77E-07	4.7E-08	2.95E-10	4.73E-08	1.6E-13	4.83E-13	2.8E-13	1.31E-13	3.17E-12	1.75E-13	3.47259E-12	5.183E-10	3.7678E-07	4.73E-08	1.32923E-13	4.61432E-13	8.16567E-14	9.44884E-14
4	570430.6	4177919	0.55, 41779	0.09799	0.08123	71.34976	28.07066	8.91872	4.01428	5.4497E-10	2.84E-12	5.48E-10	3.97E-07	9.81E-10	3.98E-07	4.96E-08	3.12E-10	4.99E-08	1.69E-13	5.1E-13	2.95E-13	1.39E-13	3.35E-12	1.85E-13	3.67E-12	5.478E-10	3.9779E-07	4.99E-08	1.40479E-13	4.87663E-13	8.62986E-14	9.98598E-14
5	570470.6	4177919	0.55, 41779	0.10292	0.08757	71.34124	28.88227	8.91766	4.18506	5.72388E-10	3.06E-12	5.75E-10	3.97E-07	1.01E-09	3.98E-07	4.96E-08	3.12E-10	4.99E-08	1.78E-13	5.36E-13	3.1E-13	1.46E-13	3.52E-12	1.94E-13	3.85517E-12	5.754E-10	3.9777E-07	4.99E-08	1.47567E-13	5.12268E-13	9.06528E-14	1.04898E-13
6	570510.6	4177919	0.55, 41779	0.10719	0.09397	70.57748	29.51269	8.82218	4.31581	5.96135E-10	3.28E-12	5.99E-10	3.93E-07	1.03E-09	3.94E-07	4.91E-08	3.08E-10	4.94E-08	1.85E-13	5.58E-13	3.23E-13	1.52E-13	3.66E-12	2.02E-13	4.01576E-12	5.994E-10	3.9355E-07	4.94E-08	1.53714E-13	5.33608E-13	9.44291E-14	1.09268E-13
7	570550.6	4177919	0.55, 41779	0.11095	0.10041	80.02506	30.00614	10.00313	4.88273	6.17046E-10	3.51E-12	6.21E-10	4.45E-07	1.05E-09	4.46E-07	5.56E-08	3.50E-10	5.6E-08	1.91E-13	5.78E-13	3.35E-13	1.57E-13	3.79E-12	2.09E-13	4.15736E-12	6.206E-10	4.4611E-07	5.6E-08	1.59134E-13	5.52423E-13	9.77588E-14	1.13121E-13
8	570590.6	4177919	0.55, 41779	0.11537	0.10684	81.14556	31.22548	10.14319	5.49199	6.41628E-10	3.73E-12	6.45E-10	4.51E-07	1.09E-09	4.52E-07	5.64E-08	3.54E-10	5.68E-08	1.99E-13	6.01E-13	3.48E-13	1.63E-13	3.94E-12	2.18E-13	4.32355E-12	6.454E-10	4.5238E-07	5.68E-08	1.65496E-13	5.74506E-13	1.01667E-13	1.17643E-13
9	570630.6	4177919	0.55, 41779	0.12154	0.11343	82.02682	32.76834	10.54682	6.07261	6.75943E-10	3.96E-12	6.8E-10	4.56E-07	1.15E-09	4.57E-07	5.87E-08	3.69E-10	5.9E-08	2.1E-13	6.33E-13	3.67E-13	1.72E-13	4.15E-12	2.29E-13	4.55498E-12	6.799E-10	4.5734E-07	5.9E-08	1.74354E-13	6.05258E-13	1.07109E-13	1.2394E-13
10	570670.6	4177919	0.55, 41779	0.12896	0.11974	90.28793	34.09351	12.11861	6.60764	7.17209E-10	4.18E-12	7.21E-10	5.02E-07	1.19E-09	5.03E-07	6.74E-08	4.24E-10	6.78E-08	2.23E-13	6.72E-13	3.89E-13	1.82E-13	4.41E-12	2.43E-13	4.83292E-12	7.214E-10	5.0333E-07	6.78E-08	1.84993E-13	6.4219E-13	1.13644E-13	1.31503E-13
11	570710.6	4177919	0.55, 41779	0.13589	0.12543	92.03158	38.34133	11.50395	7.03486	7.5575E-10	4.38E-12	7.6E-10	5.12E-07	1.34E-09	5.13E-07	6.4E-08	4.02E-10	6.44E-08	2.35E-13	7.08E-13	4.1E-13	1.92E-13	4.64E-12	2.56E-13	5.09245E-12	7.601E-10	5.1317E-07	6.44E-08	1.94927E-13	6.76676E-13	1.19747E-13	1.38564E-13
12	570750.6	4177919	0.55, 41779	0.14097	0.13029	98.93292	42.68075	12.36662	7.25038	7.84002E-10	4.55E-12	7.89E-10	5.5E-07	1.49E-09	5.52E-07	6.88E-08	4.32E-10	6.92E-08	2.43E-13	7.35E-13	4.25E-13	1.99E-13	4.82E-12	2.66E-13	5.28286E-12	7.886E-10	5.5171E-07	6.92E-08	2.02216E-13	7.01978E-13	1.24225E-13	1.43745E-13
13	570790.6	4177919	0.55, 41779	0.1434	0.13429	101.78306	44.96916	12.72288	7.16867	7.97517E-10	4.69E-12	8.02E-10	5.66E-07	1.57E-09	5.68E-07	7.08E-08	4.45E-10	7.12E-08	2.48E-13	7.47E-13	4.33E-13	2.03E-13	4.9E-12	2.7E-13	5.37434E-12	8.022E-10	5.6764E-07	7.12E-08	2.05717E-13	7.14133E-13	1.26376E-13	1.46235E-13
14	570830.6	4177919	0.55, 41779	0.14249	0.1373	103.05806	46.92439	12.88226	6.63254	7.92456E-10	4.80E-12	7.97E-10	5.73E-07	1.64E-09	5.75E-07	7.16E-08	4.50E-10	7.21E-08	2.46E-13	7.43E-13	4.3E-13	2.02E-13	4.87E-12	2.69E-13	5.34114E-12	7.973E-10	5.748E-07	7.21E-08	2.04446E-13	7.09721E-13	1.25595E-13	1.45331E-13
15	570870.6	4177919	0.55, 41779	0.13915	0.13926	113.81753	49.41272	14.22719	6.17659	7.7388E-10	4.87E-12	7.79E-10	6.33E-07	1.73E-09	6.35E-07	7.91E-08	4.97E-10	7.96E-08	2.4E-13	7.26E-13	4.2E-13	1.97E-13	4.76E-12	2.62E-13	5.21715E-12	7.787E-10	6.3472E-07	7.96E-08	1.99701E-13	6.93246E-13	1.22679E-13	1.41958E-13
16	570910.6	4177919	0.55, 41779	0.13537	0.14116	103.09741	52.00284	16.13684	6.50036	7.52858E-10	4.93E-12	7.58E-10	5.73E-07	1.82E-09	5.75E-07	8.97E-08	5.64E-10	9.03E-08	2.34E-13	7.06E-13	4.09E-13	1.92E-13	4.63E-12	2.55E-13	5.07676E-12	7.578E-10	5.7519E-07	9.03E-08	1.94327E-13	6.74591E-13	1.19378E-13	1.38137E-13
17	570950.6	4177919	0.55, 41779	0.13129	0.14261	128.63222	54.75687	19.7206	7.6051	7.30167E-10	4.98E-12	7.35E-10	7.15E-07	1.91E-09	7.17E-07	1.1E-07	6.89E-10	1.1E-07	2.27E-13	6.85E-13	3.97E-13	1.86E-13	4.49E-12	2.48E-13	4.92508E-12	7.352E-10	7.173E-07	1.1E-07	1.88521E-13	6.54437E-13	1.15811E-13	1.3401E-13
18	570990.6	4177919	0.55, 41779	0.12715	0.1442	126.51514	58.01026	18.07359	9.36612	7.07142E-10	5.04E-12	7.12E-10	7.04E-07	2.03E-09	7.06E-07	1.01E-07	6.32E-10	1.01E-07	2.2E-13	6.64E-13	3.84E-13	1.8E-13	4.35E-12	2.4E-13	4.77121E-12	7.122E-10	7.0564E-07	1.01E-07	1.82631E-13	6.3399E-13	1.12193E-13	1.29823E-13
19	571030.6	4177919	0.55, 41779	0.12254	0.14609	125.39004	62.99788	17.19472	10.49965	6.81504E-10	5.11E-12	6.87E-10	6.97E-07	2.20E-09	7E-07	9.56E-08	6.01E-10	9.62E-08	2.12E-13	6.4E-13	3.7E-13	1.74E-13	4.19E-12	2.31E-13	4.59989E-12	6.866E-10	6.9956E-07	9.62E-08	1.76073E-13	6.11225E-13	1.08165E-13	1.25162E-13
20	571070.6	4177919	0.55, 41779	0.1201	0.14847	126.80092	67.58831	16.22667	10.87469	6.67934E-10	5.19E-12	6.73E-10	7.05E-07	2.36E-09	7.08E-07	9.02E-08	5.67E-10	9.08E-08	2.08E-13	6.27E-13	3.63E-13	1.7E-13	4.11E-12	2.27E-13	4.50953E-12	6.731E-10	7.0756E-07	9.08E-08	1.72614E-13	5.99219E-13	1.0604E-13	1.22703E-13
21	571110.6	4177919	0.55, 41779	0.1205	0.15044	126.62476	68.47754	20.2586	9.61445	6.70159E-10	5.26E-12	6.75E-10	7.04E-07	2.39E-09	7.07E-07	1.13E-07	7.08E-10	1.13E-07	2.08E-13	6.29E-13	3.64E-13	1.71E-13	4.13E-12	2.28E-13	4.5249E-12	6.754E-10	7.0661E-07	1.13E-07	1.73203E-13	6.01261E-13	1.06401E-13	1.23121E-13
22	571150.6	4177919	0.55, 41779	0.1212	0.15159	131.66409	62.22893	21.10658	9.19459	6.74052E-10	5.30E-12	6.79E-10	7.32E-07	2.17E-09	7.34E-07	1.17E-07	7.38E-10	1.18E-07	2.1E-13	6.33E-13	3.66E-13	1.72E-13	4.15E-12	2.29E-13	4.55125E-12	6.793E-10	7.3442E-07	1.18E-07	1.74211E-13	6.04762E-13	1.07021E-13	1.23838E-13
23	571190.6	4177919	0.55, 41779	0.12215	0.15198	137.85581	66.48698	19.69369	10.25241	6.79335E-10	5.31E-12	6.85E-10	7.67E-07	2.32E-09	7.69E-07	1.1E-07	6.88E-10	1.1E-07	2.11E-13	6.38E-13	3.69E-13	1.73E-13	4.18E-12	2.31E-13	4.58673E-12	6.846E-10	7.6901E-07	1.1E-07	1.7557E-13	6.09477E-13	1.07855E-13	1.24804E-13
24	571230.6	4177919	0.55, 41779	0.12354	0.15154	148.65332	75.08948	21.23619	9.50538	6.87066E-10	5.30E-12	6.92E-10	8.27E-07	2.62E-09	8.29E-07	1.18E-07	7.42E-10	1.19E-07	2.14E-13	6.45E-13	3.73E-13	1.75E-13	4.23E-12	2.33E-13	4.63842E-12	6.924E-10	8.2936E-07	1.19E-07	1.77548E-13	6.16345E-13	1.09071E-13	1.2621E-13
25	571270.6	4177919	0.55, 41779	0.12544	0.15047	135.01221	73.55453	18.66937	9.80753	6.97632E-10	5.26E-12	7.03E-10	7.51E-07	2.57E-09	7.53E-07	1.04E-07	6.52E-10	1.04E-07	2.17E-13	6.55E-13	3.79E-13	1.78E-13	4.29E-12	2.37E-13	4.70896E-12	7.029E-10	7.5344E-07	1.04E-07	1.80248E-13	6.25719E-13	1.10729E-13	1.2813E-13
26	571310.6	4177919	0.55, 41779	0.12844	0.14895	144.25948	74.57026	18.03243	9.63087	7.14317E-10	5.21E-12	7.2E-10	8.02E-07	2.61E-09	8.05E-07	1E-07	6.30E-10	1.01E-07	2.22E-13	6.7E-13	3.88E-13	1.82E-13	4.4E-12	2.43E-13	4.82038E-12	7.195E-10	8.049E-07	1.01E-07	1.84513E-13	6.40524E-13	1.13349E-13	1.31161E-13
27	571350.6	4177919	0.55, 41779	0.13264	0.1484	134.13439	65.82548	16.7668	8.49886	7.37675E-10	5.19E-12	7.43E-10	7.46E-07	2.30E-09	7.48E-07	9.32E-08	5.86E-10	9.38E-08	2.29E-13	6.92E-13	4.01E-13	1.88E-13	4.54E-12	2.5E-13	4.97674E-12	7.429E-10	7.4829E-07	9.38E-08	1.90498E-13	6.61301E-13	1.17026E-13	1.35416E-13
28	571390.6	4177919	0.55, 41779	0.13487	0.1464	140.45529	51.40311	17.55691	7.98518	7.50077E-10	5.12E-12	7.55E-10	7.81E-07	1.80E-09	7.83E-07	9.76E-08	6.14E-10	9.83E-08	2.33E-13	7.04E-13	4.07E-13	1.91E-13	4.61E-12	2.55E-13	5.05936E-12	7.552E-10	7.8294E-07	9.83E-08	1.93661E-13	6.72279E-13	1.18969E-13	1.37664E-13
29	571430.6	4177919	0.55, 41779	0.14548	0.15293	139.19794	49.3636	17.39974	7.65374	8.09084E-10	5.34E-12	8.14E-10	7.74E-07	1.73E-09	7.76E-07	9.68E-08	6.08E-10	9.74E-08	2.51E-13	7.59E-13	4.39E-13	2.06E-13	4.98E-12	2.74E-13	5.4562E-12	8.144E-10	7.7587E-07	9.74E-08	2.08851E-13	7.25011E-13	1.283E-13	1.48462E-13
30	571470.6	4177919	0.55, 41779	0.15916	0.16179	134.87595	45.89373	16.85949	6.86379	8.85165E-10	5.65E-12	8.91E-10	7.5E-07	1.60E-09	7.52E-07	9.38E-08	5.89E-10	9.44E-08	2.75E-13	8.3E-13	4.8E-13	2.25E-13	5.44E-12	3E-13	5.96797E-12	8.908E-10	7.5171E-07	9.44E-08	2.2844E-13	7.93014E-13	1.40335E-13	1.62387E-13
31	571510.6	4177919	0.55, 41779	0.17426	0.17151	122.2315	42.4201	15.27894	5.85942	9.69144E-10	5.99E-12	9.75E-10	6.8E-07	1.48E-09	6.81E-07	8.5E-08	5.34E-10	8.55E-08	3.01E-13	9.09E-13	5.26E-13	2.47E-13	5.96E-12	3.29E-13	6.53286E-12	9.751E-10	6.8127E-07	8.55E-08	2.50063E-13	8.68075E-13	1.53618E-13	1.77758E-13
32	571550.6	4177919	0.55, 41779	0.18787	0.18026	112.99449	35.73716	14.12431	5.76206	1.04484E-09	6.30E-12	1.05E-09	6.28E-07	1.25E-09	6.3E-07	7.86E-08	4.94E-10	7.9E-08	3.24E-13	9.79E-13	5.67E-13	2.66E-13	6.42E-12	3.54E-13	7.042E-12	1.051E-09	6.2967E-07	7.9E-08	2.69551E-13	9.35729E-13	1.6559E-13	1.91611E-13
33	571590.6	4177919	0.55, 41779	0.19949	0.18751	94.68734	29.26563	11.83592	5.30509	1.10946E-09	6.55E-12	1.12E-09	5.27E-07	1.02E-09	5.28E-07	6.58E-08	4.14E-10	6.62E-08	3.44E-13	1.04E-12	6.02E-13	2.82E-13	6.82E-12	3.76E-13	7.47664E-12	1.116E-09	5.2762E-07	6.62E-08	2.86189E-13	9.93483E-13	1.7581E-13	2.03438E-13
34	570310.6	4177959	0.55, 41779	0.08597	0.06676	56.89619	26.25101	7.11202	4.18522	4.78121E-10	2.33E-12	4.8E-10	3.16E-07	9.17E-10	3.17E-07	3.96E-08	2.49E-10	3.98E-08	1.48E-13	4.48E-13	2.59E-13	1.22E-13	2.94E-12	1.62E-13	3.21876E-12	4.805E-10	3.1734E-07	3.98E-08	1.23207E-13	4.27704E-13	7.56879E-14	8.75817E-14
35	570350.6	4177959	0.55, 41779	0.09204	0.07257	58.96006	27.16756	7.37001	4.19821	5.11879E-10	2.54E-12	5.14E-10	3.28E-07	9.49E-10	3.29E-07	4.1E-08	2.58E-10	4.12E-08	1.59E-13	4.79E-13	2.77E-13	1.3E-13	3.14E-12	1.73E-13	3.44628E-12	5.144E-10	3.2885E-07	4.12E-08	1.31916E-13	4.57936E-13	8.1038E-14	9.37725E-14
36	570390.6	4177959	0.55, 41779	0.09833	0.07904	63.0038	28.02201	7.87548	4.15896	5.46861E-10	2.76E-12	5.5E-10	3.5E-07	9.79E-10	3.51E-07	4.38E-08	2.75E-10	4.41E-08	1.7E-13	5.12E-13	2.96E-13	1.39E-13	3.36E-12	1.85E-13	3.68215E-12	5.496E-10	3.5137E-07	4.41E-08	1.40944E-13	4.89278E-13	8.65844E-14	1.00191E-13
37	570430.6	4177959	0.55, 41779	0.10461	0.08611	70.72142	28.76698	8.84018	4.23038	5.81787E-10	3.01E-12	5.85E-10	3.93E-07	1.01E-09	3.94E-07	4.92E-08	3.09E-10	4.95E-08	1.8E-13	5.45E-13	3.15E-13	1.48E-13	3.57E-12	1.97E-13	3.91779E-12	5.848E-10	3.9432E-07	4.95E-08	1.49964E-13	5.2059E-13	9.21254E-14	1.06602E-13
38	570470.6	4177959	0.55, 41779	0.11098	0.09385	78.78718	29.82596	9.8484	4.47695	6.17213E-10	3.28E-12	6.2E-10	4.38E-07	1.04E-09	4.39E-07	5.48E-08	3.44E-10	5.51E-08	1.91E-13	5.78E-13	3.35E-13	1.57E-13	3.79E-12	2.09E-13	4.15694E-12	6.205E-10	4.3922E-07	5.51E-08	1.59118E-13	5.52368E-13	9.77489E-14	1.13109E-13
39	570510.6	4177959	0.55, 41779	0.1169	0.10189	83.26174	30.87615	10.40772	4.70339	6.50137E-10	3.56E-12	6.54E-10	4.63E-07	1.08E-09	4.64E-07	5.79E-08	3.64E-10	5.82E-08	2.02E-13	6.09E-13	3.53E-13	1.65E-13	3.99E-12	2.2E-13	4.3794E-12	6.537E-10	4.6414E-07	5.82E-08	1.67633E-13	5.81927E-13	1.0298E-13	1.19162E-13
40	570550.6	4177959	0.55, 41779	0.12213	0.11	82.46075	31.83495	10.30759	4.9071	6.79224E-10	3.84E-12	6.83E-10	4.59E-07	1.11E-09	4.6E-07	5.73E-08	3.60E-10	5.77E-08	2.11E-13	6.36E-13	3.68E-13	1.73E-13	4.17E-12	2.3E-13	4.57616E-12	6.831E-10	4.5972E-07	5.77E-08	1.75165E-13	6.08072E-13	1.07607E-13	1.24516E-13
41	570590.6	4177959	0.55, 41779	0.1275	0.1185	87.61849	32.53805	10.95231	5.6614	7.09089E-10	4.14E-12	7.13E-10	4.87E-07	1.14E-09	4.88E-07	6.09E-08	3.83E-10	6.13E-08	2.2E-13	6.65E-13	3.85E-13	1.8E-13	4.36E-12	2.4E-13	4.77823E-12	7.132E-10	4.8843E-07	6.13E-08	1.829E-13	6.34923E-13	1.12358E-13	1.30014E-13
42	570630.6	4177959	0.55, 41779	0.13429	0.12721	94.25098	33.95012	11.78137	6.34882	7.46851E-10	4.45E-12	7.51E-10	5.24E-07	1.19E-09	5.25E-07	6.55E-08	4.12E-10	6.59E-08	2.32E-13	7E-13	4.05E-13	1.9E-13	4.59E-12	2.53E-13	5.03325E-12	7.513E-10	5.2536E-07	6.59E-08	1.92661E-13	6.6881E-13	1.18355E-13	1.36954E-13
43	570670.6	4177959	0.55, 41779	0.1434	0.13582	91.47953	35.4429	12.89467	6.97952	7.97517E-10	4.75E-12	8.02E-10	5.09E-07	1.24E-09	5.1E-07	7.17E-08	4.51E-10	7.22E-08	2.48E-13	7.47E-13	4.33E-13	2.03E-13	4.9E-12	2.7E-13	5.3747E-12	8.023E-10	5.1E-07	7.22E-08	2.05731E-13	7.14181E-13	1.26384E-13	1.46244E-13
44	570710.6	4177959	0.55, 41779	0.15342	0.14402	103.54122	38.62398	12.94265	7.57754	8.53243E-10	5.03E-12	8.58E-10	5.76E-07	1.35E-09	5.77E-07	7.2E-08	4.52E-10	7.24E-08	2.65E-13	8E-13	4.63E-13	2.17E-13	5.24E-12	2.89E-13	5.74995E-12	8.583E-10	5.7719E-07	7.24E-08	2.20095E-13	7.64044E-13	1.35208E-13	1.56455E-13
45	570750.6	4177959	0.55, 41779	0.16261	0.1515	105.52732	44.38977	13.19092	8.09206	9.04353E-10	5.29E-12	9.1E-10	5.87E-07	1.55E-09	5.88E-07	7.34E-08	4.61E-10	7.38E-08	2.81E-13	8.48E-13	4.91E-13	2.3E-13	5.56E-12	3.07E-13	6.09411E-12	9.096E-10	5.8844E-07	7.38E-08	2.33268E-13	8.09775E-13	1.43301E-13	1.65819E-13
46	570790.6	4177959	0.55, 41779	0.16989	0.15823	113.60479	47.24143	14.2006	8.3928	9.4484E-10	5.53E-12	9.5E-10	6.32E-07	1.65E-09	6.33E-07	7.9E-08	4.96E-10	7.95E-08	2.93E-13	8.85E-13	5.13E-13	2.4E-13	5.81E-12	3.2E-13	6.36693E-12	9.504E-10	6.3346E-07	7.95E-08	2.43711E-13	8.46026E-13	1.49716E-13	1.73243E-13
47	570830.6	4177959	0.55, 41779	0.1738	0.16401	115.20896	49.45722	14.40112	8.28774	9.66586E-10	5.73E-12	9.72E-10	6.41E-07	1.73E-09	6.42E-07	8.01E-08	5.03E-10	8.06E-08	3E-13	9.06E-13	5.24E-13	2.46E-13	5.94E-12	3.28E-13	6.51396E-12	9.723E-10	6.4246E-07	8.06E-08	2.49339E-13	8.65564E-13	1.53173E-13	1.77243E-13

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	27	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	27	10	2	70	0.85
2<9	631	1	0.854795	0.000001	27	3	0.75	70	0.72
Student	520	1	0.493151	0.000001	27	3	3	70	1
Worker	230	1	0.684932	0.000001	27	1	3	70	1

Cobalt

	Chronic (Annu	Acute (1hr)	8hr
REL:	1	1	1

255	571230.6	4178199	0.55, 41781	2.99647	1.91661	311.11499	100.77545	44.29874	28.05958	1.66648E-08	6.70E-11	1.67E-08	1.73E-06	3.52E-09	1.73E-06	2.46E-07	1.55E-09	2.48E-07	5.16E-12	1.56E-11	9.02E-12	4.23E-12	1.02E-10	5.64E-12	1.12093E-10	1.673E-08	1.7338E-06	2.48E-07	4.29067E-12	1.48948E-11	2.63583E-12	3.05003E-12
256	571270.6	4178199	0.55, 41781	2.48655	1.63354	275.28639	78.6156	36.03295	23.70769	1.38289E-08	5.71E-11	1.39E-08	1.53E-06	2.75E-09	1.53E-06	2E-07	1.26E-09	2.02E-07	4.28E-12	1.29E-11	7.49E-12	3.51E-12	8.48E-11	4.68E-12	9.30281E-11	1.389E-08	1.5337E-06	2.02E-07	3.5609E-12	1.23614E-11	2.18752E-12	2.53127E-12
257	571310.6	4178199	0.55, 41781	2.04979	1.39182	251.65063	69.80646	31.45633	18.505	1.13999E-08	4.86E-11	1.14E-08	1.4E-06	2.44E-09	1.4E-06	1.75E-07	1.10E-09	1.76E-07	3.53E-12	1.07E-11	6.18E-12	2.9E-12	6.99E-11	3.86E-12	7.66984E-11	1.145E-08	1.402E-06	1.76E-07	2.93584E-12	1.01916E-11	1.80353E-12	2.08694E-12
258	571350.6	4178199	0.55, 41781	1.66907	1.18291	207.71058	67.17721	28.41822	15.5683	9.2825E-09	4.13E-11	9.32E-09	1.16E-06	2.35E-09	1.16E-06	1.58E-07	9.93E-10	1.59E-07	2.88E-12	8.69E-12	5.03E-12	2.36E-12	5.7E-11	3.14E-12	6.24643E-11	9.324E-09	1.1575E-06	1.59E-07	2.39099E-12	8.30015E-12	1.46882E-12	1.69964E-12
259	571390.6	4178199	0.55, 41781	1.33874	0.99933	175.53523	63.93291	26.80029	13.20173	7.44538E-09	3.49E-11	7.48E-09	9.76E-07	2.23E-09	9.78E-07	1.49E-07	9.37E-10	1.5E-07	2.31E-12	6.97E-12	4.03E-12	1.89E-12	4.57E-11	2.52E-12	5.01137E-11	7.48E-09	9.7847E-07	1.5E-07	1.91824E-12	6.65902E-12	1.1784E-12	1.36358E-12
260	571430.6	4178199	0.55, 41781	1.08215	0.84466	146.49279	60.30749	24.41546	11.02968	6.01836E-09	2.95E-11	6.05E-09	8.15E-07	2.11E-09	8.17E-07	1.36E-07	8.53E-10	1.37E-07	1.87E-12	5.63E-12	3.26E-12	1.53E-12	3.69E-11	2.04E-12	4.05173E-11	6.048E-09	8.1682E-07	1.37E-07	1.55091E-12	5.38387E-12	9.52748E-13	1.10247E-12
261	571470.6	4178199	0.55, 41781	0.88511	0.71494	129.54701	55.96987	21.59117	9.33698	4.92252E-09	2.50E-11	4.95E-09	7.2E-07	1.96E-09	7.22E-07	1.2E-07	7.55E-10	1.21E-07	1.53E-12	4.61E-12	2.67E-12	1.25E-12	3.02E-11	1.67E-12	3.31454E-11	4.948E-09	7.2243E-07	1.21E-07	1.26873E-12	4.40431E-12	7.79402E-13	9.0188E-13
262	571510.6	4178199	0.55, 41781	0.73336	0.60746	112.64977	51.14316	18.77496	8.40942	4.07857E-09	2.12E-11	4.1E-09	6.26E-07	1.79E-09	6.28E-07	1.04E-07	6.56E-10	1.05E-07	1.27E-12	3.82E-12	2.21E-12	1.04E-12	2.5E-11	1.38E-12	2.74663E-11	4.1E-09	6.2829E-07	1.05E-07	1.05135E-12	3.64967E-12	6.45859E-13	7.47351E-13
263	571550.6	4178199	0.55, 41781	0.6189	0.52125	97.68282	46.08498	16.28047	7.59304	3.442E-09	1.82E-11	3.46E-09	5.43E-07	1.61E-09	5.45E-07	9.05E-08	5.69E-10	9.11E-08	1.07E-12	3.22E-12	1.87E-12	8.75E-13	2.11E-11	1.17E-12	2.31815E-11	3.46E-09	5.4487E-07	9.11E-08	8.87333E-13	3.08031E-12	5.45103E-13	6.30762E-13
264	571590.6	4178199	0.55, 41781	0.52714	0.45016	84.87826	41.93857	14.14638	6.8553	2.93168E-09	1.57E-11	2.95E-09	4.72E-07	1.47E-09	4.74E-07	7.87E-08	4.94E-10	7.92E-08	9.1E-13	2.75E-12	1.59E-12	7.45E-13	1.8E-11	9.93E-13	1.97459E-11	2.947E-09	4.7351E-07	7.92E-08	7.55829E-13	2.62381E-12	4.64318E-13	5.37283E-13
265	570310.6	4178239	0.55, 41782	0.10871	0.07725	69.36135	22.19632	9.49069	3.20395	6.04589E-10	2.70E-12	6.07E-10	3.86E-07	7.76E-10	3.87E-07	5.28E-08	3.32E-10	5.31E-08	1.87E-13	5.66E-13	3.28E-13	1.54E-13	3.71E-12	2.05E-13	4.06848E-12	6.073E-10	3.8653E-07	5.31E-08	1.55732E-13	5.40613E-13	9.56687E-14	1.10702E-13
266	570350.6	4178239	0.55, 41782	0.12097	0.08699	80.24676	23.95533	10.03084	3.79637	6.72772E-10	3.04E-12	6.76E-10	4.46E-07	8.37E-10	4.47E-07	5.58E-08	3.51E-10	5.61E-08	2.09E-13	6.3E-13	3.65E-13	1.71E-13	4.13E-12	2.28E-13	4.52755E-12	6.758E-10	4.4713E-07	5.61E-08	1.73304E-13	6.01613E-13	1.06464E-13	1.23194E-13
267	570390.6	4178239	0.55, 41782	0.13576	0.09875	97.68381	28.15369	12.21048	4.56788	7.55027E-10	3.45E-12	7.58E-10	5.43E-07	9.84E-10	5.44E-07	6.79E-08	4.27E-10	6.83E-08	2.34E-13	7.07E-13	4.09E-13	1.92E-13	4.63E-12	2.56E-13	5.08136E-12	7.585E-10	5.4425E-07	6.83E-08	1.94503E-13	6.75203E-13	1.19486E-13	1.38263E-13
268	570430.6	4178239	0.55, 41782	0.15369	0.11303	112.57412	32.01468	14.07177	5.30028	8.54744E-10	3.95E-12	8.59E-10	6.26E-07	1.12E-09	6.27E-07	7.83E-08	4.92E-10	7.88E-08	2.65E-13	8E-13	4.63E-13	2.17E-13	5.25E-12	2.89E-13	5.75275E-12	8.587E-10	6.272E-07	7.88E-08	2.20202E-13	7.64416E-13	1.35274E-13	1.56531E-13
269	570470.6	4178239	0.55, 41782	0.17542	0.1305	120.86213	35.6675	15.10777	5.94458	9.75595E-10	4.56E-12	9.8E-10	6.72E-07	1.25E-09	6.73E-07	8.4E-08	5.28E-10	8.45E-08	3.02E-13	9.13E-13	5.29E-13	2.48E-13	5.99E-12	3.3E-13	6.56648E-12	9.802E-10	6.7342E-07	8.45E-08	2.5135E-13	8.72542E-13	1.54408E-13	1.78672E-13
270	570510.6	4178239	0.55, 41782	0.20166	0.15208	118.29832	38.86505	14.78729	6.47751	1.12153E-09	5.31E-12	1.13E-09	6.58E-07	1.36E-09	6.59E-07	8.22E-08	5.17E-10	8.28E-08	3.48E-13	1.05E-12	6.08E-13	2.85E-13	6.88E-12	3.8E-13	7.5492E-12	1.127E-09	6.5927E-07	8.28E-08	2.88966E-13	1.00312E-12	1.77516E-13	2.05412E-13
271	570550.6	4178239	0.55, 41782	0.23297	0.17899	134.82021	41.51275	16.85253	6.91879	1.29566E-09	6.26E-12	1.3E-09	7.5E-07	1.45E-09	7.51E-07	9.37E-08	5.89E-10	9.43E-08	4.02E-13	1.21E-12	7.02E-13	3.29E-13	7.95E-12	4.39E-13	8.72207E-12	1.302E-09	7.5125E-07	9.43E-08	3.33861E-13	1.15897E-12	2.05096E-13	2.37325E-13
272	570590.6	4178239	0.55, 41782	0.26933	0.21289	138.182	44.61865	17.27275	7.89914	1.49787E-09	7.44E-12	1.51E-09	7.68E-07	1.56E-09	7.7E-07	9.61E-08	6.04E-10	9.67E-08	4.65E-13	1.4E-12	8.12E-13	3.81E-13	9.2E-12	5.07E-13	1.00847E-11	1.505E-09	7.7006E-07	9.67E-08	3.8602E-13	1.34004E-12	2.37139E-13	2.74403E-13
273	570630.6	4178239	0.55, 41782	0.31001	0.25571	151.57706	47.88426	18.94713	9.37801	1.72412E-09	8.94E-12	1.73E-09	8.43E-07	1.67E-09	8.45E-07	1.05E-07	6.62E-10	1.06E-07	5.35E-13	1.61E-12	9.35E-13	4.38E-13	1.06E-11	5.84E-13	1.16104E-11	1.733E-09	8.4467E-07	1.06E-07	4.44421E-13	1.54278E-12	2.73015E-13	3.15917E-13
274	570670.6	4178239	0.55, 41782	0.35129	0.30919	163.01094	51.1286	20.37637	10.66356	1.95369E-09	1.08E-11	1.96E-09	9.07E-07	1.79E-09	9.08E-07	1.13E-07	7.12E-10	1.14E-07	6.06E-13	1.83E-12	1.06E-12	4.97E-13	1.2E-11	6.62E-13	1.3161E-11	1.964E-09	9.0837E-07	1.14E-07	5.03773E-13	1.74881E-12	3.09476E-13	3.58108E-13
275	570710.6	4178239	0.55, 41782	0.3879	0.37553	161.77129	55.27243	21.46966	11.91574	2.1573E-09	1.31E-11	2.17E-09	9E-07	1.93E-09	9.02E-07	1.19E-07	7.50E-10	1.2E-07	6.7E-13	2.02E-12	1.17E-12	5.49E-13	1.33E-11	7.32E-13	1.45406E-11	2.17E-09	9.0162E-07	1.2E-07	5.5658E-13	1.93213E-12	3.41916E-13	3.95646E-13
276	570750.6	4178239	0.55, 41782	0.41955	0.45853	185.09687	61.2613	24.33831	15.0229	2.33332E-09	1.60E-11	2.35E-09	1.03E-06	2.14E-09	1.03E-06	1.35E-07	8.51E-10	1.36E-07	7.25E-13	2.19E-12	1.27E-12	5.94E-13	1.44E-11	7.92E-13	1.57392E-11	2.349E-09	1.0316E-06	1.36E-07	6.02462E-13	2.0914E-12	3.70102E-13	4.28261E-13
277	570790.6	4178239	0.55, 41782	0.45531	0.56517	195.76674	71.16962	30.0466	17.67317	2.5322E-09	1.98E-11	2.55E-09	1.09E-06	2.49E-09	1.09E-06	1.67E-07	1.05E-09	1.68E-07	7.87E-13	2.38E-12	1.38E-12	6.45E-13	1.56E-11	8.6E-13	1.70966E-11	2.552E-09	1.0912E-06	1.68E-07	6.54418E-13	2.27176E-12	4.0202E-13	4.65194E-13
278	570830.6	4178239	0.55, 41782	0.51729	0.70869	186.14136	86.93814	30.32646	20.0795	2.8769E-09	2.48E-11	2.9E-09	1.04E-06	3.04E-09	1.04E-06	1.69E-07	1.06E-09	1.7E-07	8.95E-13	2.7E-12	1.57E-12	7.34E-13	1.77E-11	9.78E-13	1.94395E-11	2.902E-09	1.0383E-06	1.7E-07	7.44099E-13	2.58309E-12	4.57112E-13	5.28944E-13
279	570870.6	4178239	0.55, 41782	0.63421	0.91745	225.98347	96.3139	37.66391	24.81387	3.52715E-09	3.21E-11	3.56E-09	1.26E-06	3.37E-09	1.26E-06	2.09E-07	1.32E-09	2.11E-07	1.1E-12	3.32E-12	1.92E-12	9E-13	2.17E-11	1.2E-12	2.38446E-11	3.559E-09	1.2602E-06	2.11E-07	9.12718E-13	3.16844E-12	5.60698E-13	6.48807E-13
280	570910.6	4178239	0.55, 41782	0.85302	1.23442	293.13359	117.47886	47.06613	30.6738	4.74406E-09	4.31E-11	4.79E-09	1.63E-06	4.11E-09	1.63E-06	2.62E-07	1.64E-09	2.63E-07	1.48E-12	4.46E-12	2.58E-12	1.21E-12	2.92E-11	1.61E-12	3.20714E-11	4.787E-09	1.6344E-06	2.63E-07	1.22762E-12	4.2616E-12	7.54147E-13	8.72656E-13
281	570950.6	4178239	0.55, 41782	1.35023	1.79208	455.80102	142.22416	68.40553	39.86266	7.50928E-09	6.26E-11	7.57E-09	2.53E-06	4.97E-09	2.54E-06	3.8E-07	2.39E-09	3.83E-07	2.34E-12	7.05E-12	4.08E-12	1.92E-12	4.63E-11	2.55E-12	5.07274E-11	7.572E-09	2.5399E-06	3.83E-07	1.94173E-12	6.74057E-12	1.19284E-12	1.38028E-12
282	570990.6	4178239	0.55, 41782	3.0182	3.06414	885.93977	193.04223	147.1874	58.20401	1.67857E-08	1.07E-10	1.69E-08	4.93E-06	6.75E-09	4.93E-06	8.19E-07	5.14E-09	8.24E-07	5.21E-12	1.57E-11	9.11E-12	4.27E-12	1.03E-10	5.69E-12	1.13172E-10	1.689E-08	4.9339E-06	8.24E-07	4.33195E-12	1.50381E-11	2.66119E-12	3.07937E-12
283	571030.6	4178239	0.55, 41782	7.70332	4.46365	679.65913	243.63294	144.28562	71.78775	4.28419E-08	1.56E-10	4.3E-08	3.78E-06	8.51E-09	3.79E-06	8.02E-07	5.04E-09	8.07E-07	1.33E-11	4.01E-11	2.32E-11	1.09E-11	2.63E-10	1.45E-11	2.88061E-10	4.3E-08	3.7884E-06	8.07E-07	1.10263E-11	3.8277E-11	6.77364E-12	7.83807E-12
284	571110.6	4178239	0.55, 41782	48.37684	13.76668	1082.14109	288.2044	441.33003	115.9324	2.69047E-07	4.81E-10	2.7E-07	6.02E-06	1.01E-08	6.03E-06	2.45E-06	1.54E-08	2.47E-06	8.32E-11	2.51E-10	1.45E-10	6.82E-11	1.65E-09	9.08E-11	1.80568E-09	2.695E-07	6.0284E-06	2.47E-06	6.91173E-11	2.39936E-10	4.24599E-11	4.91322E-11
285	571150.6	4178239	0.55, 41782	14.38318	6.22649	550.93904	192.81003	147.46183	59.89562	7.99918E-08	2.18E-10	8.02E-08	3.06E-06	6.74E-09	3.07E-06	8.2E-07	5.15E-09	8.25E-07	2.48E-11	7.47E-11	4.33E-11	2.03E-11	4.9E-10	2.7E-11	5.37356E-10	8.021E-08	3.0708E-06	8.25E-07	2.05688E-11	7.1403E-11	1.26357E-11	1.46213E-11
286	571190.6	4178239	0.55, 41782	8.08563	4.10425	423.01159	138.20819	88.76631	43.45879	4.49681E-08	1.43E-10	4.51E-08	2.35E-06	4.83E-09	2.36E-06	4.94E-07	3.10E-09	4.97E-07	1.39E-11	4.2E-11	2.43E-11	1.14E-11	2.76E-10	1.52E-11	3.02221E-10	4.511E-08	2.3574E-06	4.97E-07	1.15683E-11	4.01586E-11	7.10661E-12	8.22336E-12
287	571230.6	4178239	0.55, 41782	5.48613	3.01374	364.79857	99.98669	64.1708	32.88659	3.0511E-08	1.05E-10	3.06E-08	2.03E-06	3.49E-09	2.03E-06	3.57E-07	2.24E-09	3.59E-07	9.45E-12	2.85E-11	1.65E-11	7.74E-12	1.87E-10	1.03E-11	2.05112E-10	3.062E-08	2.0323E-06	3.59E-07	7.8512E-12	2.72549E-11	4.82312E-12	5.58104E-12
288	571270.6	4178239	0.55, 41782	3.91656	2.30583	308.69657	91.16262	42.97299	25.31404	2.17819E-08	8.06E-11	2.19E-08	1.72E-06	3.19E-09	1.72E-06	2.39E-07	1.50E-09	2.4E-07	6.75E-12	2.04E-11	1.18E-11	5.53E-12	1.34E-10	7.37E-12	1.46466E-10	2.186E-08	1.72E-06	2.4E-07	5.60637E-12	1.94621E-11	3.44409E-12	3.9853E-12
289	571310.6	4178239	0.55, 41782	2.81911	1.80691	238.76095	82.99282	36.57222	19.65898	1.56784E-08	6.31E-11	1.57E-08	1.33E-06	2.90E-09	1.33E-06	2.03E-07	1.28E-09	2.05E-07	4.86E-12	1.47E-11	8.49E-12	3.98E-12	9.62E-11	5.31E-12	1.05459E-10	1.574E-08	1.3308E-06	2.05E-07	4.03674E-12	1.40133E-11	2.47984E-12	2.86953E-12
290	571350.6	4178239	0.55, 41782	2.07392	1.43877	186.98174	75.01218	31.16362	15.62493	1.15341E-08	5.03E-11	1.16E-08	1.04E-06	2.62E-09	1.04E-06	1.73E-07	1.09E-09	1.74E-07	3.57E-12	1.08E-11	6.25E-12	2.93E-12	7.08E-11	3.9E-12	7.76084E-11	1.158E-08	1.0425E-06	1.74E-07	2.97067E-12	1.03125E-11	1.82493E-12	2.11171E-12
291	571390.6	4178239	0.55, 41782	1.57003	1.1589	153.36435	67.14235	25.56072	13.28221	8.73169E-09	4.05E-11	8.77E-09	8.53E-07	2.35E-09	8.55E-07	1.42E-07	8.93E-10	1.43E-07	2.71E-12	8.17E-12	4.73E-12	2.22E-12	5.36E-11	2.96E-12	5.87686E-11	8.772E-09	8.5528E-07	1.43E-07	2.24953E-12	7.80907E-12	1.38192E-12	1.59908E-12
292	571430.6	4178239	0.55, 41782	1.23548	0.94866	124.99719	59.46648	20.83286	11.6734	6.8711E-09	3.32E-11	6.9E-09	6.95E-07	2.08E-09	6.97E-07	1.16E-07	7.28E-10	1.17E-07	2.13E-12	6.43E-12	3.72E-12	1.75E-12	4.22E-11	2.33E-12	4.62545E-11	6.904E-09	6.9725E-07	1.17E-07	1.77052E-12	6.14622E-12	1.08766E-12	1.25857E-12
293	571470.6	4178239	0.55, 41782	0.99131	0.7845	109.3041	54.21436	17.2339	10.26711	5.51315E-09	2.74E-11	5.54E-09	6.08E-07	1.89E-09	6.1E-07	9.58E-08	6.02E-10	9.64E-08	1.71E-12	5.16E-12	2.99E-12	1.4E-12	3.38E-11	1.87E-12	3.71186E-11	5.541E-09	6.0979E-07	9.64E-08	1.42081E-12	4.93226E-12	8.72829E-13	1.00999E-12
294	571510.6	4178239	0.55, 41782	0.81688	0.65976	100.30585	50.40167	14.55844	9.03737	4.54306E-09	2.31E-11	4.57E-09	5.58E-07	1.76E-09	5.6E-07	8.1E-08	5.09E-10	8.15E-08	1.41E-12	4.25E-12	2.46E-12	1.15E-12	2.79E-11	1.54E-12	3.05904E-11	4.566E-09	5.5961E-07	8.15E-08	1.17093E-12	4.06479E-12	7.1932E-13	8.32356E-13
295	571550.6	4178239	0.55, 41782	0.68618	0.56281	92.19218	46.80105	12.52836	7.96128	3.81618E-09	1.97E-11	3.84E-09	5.13E-07	1.64E-09	5.14E-07	6.97E-08	4.38E-10	7.01E-08	1.18E-12	3.57E-12	2.07E-12	9.7E-13	2.34E-11	1.29E-12	2.56979E-11	3.836E-09	5.1436E-07	7.01E-08	9.83658E-13	3.4147E-12	6.04277E-13	6.99235E-13
296	571590.6	4178239	0.55, 41782	0.57854	0.48285	84.94405	43.3686	10.89629	7.01254	3.21754E-09	1.69E-11	3.23E-09	4.72E-07	1.52E-09	4.74E-07	6.06E-08	3.81E-10	6.1E-08	9.98E-13	3.01E-12	1.74E-12	8.18E-13	1.98E-11	1.09E-12	2.16687E-11	3.234E-09	4.7393E-07	6.1E-08	8.29428E-13	2.8793E-12	5.09531E-13	5.896E-13
297	570310.6	4178279	0.55, 41782	0.11004	0.07807	74.04292	22.79319	10.17864	3.64675	6.11985E-10	2.73E-12	6.15E-10	4.12E-07	7.97E-10	4.13E-07	5.66E-08	3.56E-10	5.7E-08	1.9E-13	5.73E-13	3.32E-13	1.55E-13	3.76E-12	2.07E-13	4.11823E-12	6.147E-10	4.1258E-07	5.7E-08	1.57636E-13	5.47223E-13	9.68385E-14	1.12056E-13
298	570350.6	4178279	0.55, 41782	0.12249	0.08802	80.9847	23.74961	11.08549	3.81596	6.81226E-10	3.08E-12	6.84E-10	4.5E-07	8.30E-10	4.51E-07	6.17E-08	3.87E-10	6.2E-08	2.11E-13	6.38E-13	3.69E-13	1.73E-13	4.18E-12	2.31E-13	4.58443E-12	6.843E-10	4.5122E-07	6.2E-08	1.75481E-13	6.09171E-13	1.07801E-13	1.24741E-13
299	570390.6	4178279	0.55, 41782	0.13757	0.10016	86.03589	24.80698	11.74551	4.00404	7.65093E-10	3.50E-12	7.69E-10	4.78E-07	8.67E-10	4.79E-07	6.53E-08	4.10E-10	6.57E-08	2.37E-13	7.16E-13	4.15E-13	1.94E-13	4.7E-12	2.59E-13	5.14913E-12	7.686E-10	4.7935E-07	6.57E-08	1.97097E-13	6.84208E-13	1.2108E-13	1.40107E-13
300	570430.6	4178279	0.55, 41782	0.15607	0.11514	96.31741	27.84204	12.03968	4.46456	8.67981E-10	4.02E-12	8.72E-10	5.36E-07	9.73E-10	5.37E-07	6.7E-08	4.21E-10	6.74E-08	2.69E-13	8.12E-13	4.7E-13	2.21E-13	5.33E-12	2.94E-13	5.84192E-12	8.72E-10	5.3664E-07	6.74E-08	2.23615E-13	7.76265E-13	1.37371E-13	1.58957E-13
301	570470.6	4178279	0.55, 41782	0.17907	0.13378	120.52086	33.01708	15.06511	5.41696	9.95895E-10	4.68E-12	1E-09	6.7E-07	1.15E-09	6.71E-07	8.38E-08	5.26E-10	8.43E-08	3.09E-13	9.32E-13	5.4E-13	2.53E-13	6.11E-12	3.37E-13	6.70324E-12	1.001E-09	6.7143E-07	8.43E-08	2.56585E-13	8.90715E-13	1.57624E-13	1.82394E-13
302	570510.6	4178279	0.55, 41782	0.20795	0.15724	141.57577	37.85068	17.69697	6.30845	1.15651E-09	5.50E-12	1.16E-09	7.87E-07	1.32E-09	7.89E-07	9.84E-08	6.18E-10	9.9E-08	3.59E-13	1.08E-12	6.27E-13	2.94E-13	7.1E-12	3.92E-13	7.78476E-12	1.162E-09	7.8869E-07	9.9E-08	2.97983E-13	1.03443E-12	1.83056E-13	2.11822E-13
303	570550.6	4178279	0.55, 41782	0.24435	0.18714	153.17347	42.50173	19.14668	7.08362	1.35895E-09	6.54E-12	1.37E-09	8.52E-07	1.49E-09	8.53E-07	1.06E-07	6.69E-10	1.07E-07	4.21E-13	1.27E-12	7.37E-13	3.45E-13	8.34E-12	4.6E-13	9.14798E-12	1.365E-09	8.5336E-07	1.07E-07	3.50164E-13	1.21557E-12	2.15111E-13	2.48914E-13
304	570590.6	4178279	0.55, 41782	0.28993	0.22577	157.86485	46.41285	19.73311	7.73548	1.61244E-09	7.89E-12	1.62E-09	8.78E-07	1.62E-09	8.8E-07	1.1E-07	6.90E-10	1.1E-07	5E-13	1.51E-12	8.74E-13	4.1E-13	9.9E-12	5.46E-13	1.08553E-11	1.62E-09	8.7958E-07	1.1E-07	4.15515E-13	1.44243E-12	2.55258E-13	2.95369E-13
305	570630.6	4178279	0.55, 41782	0.34541	0.27631	169.89337	50.77009	21.23667	9.57894	1.92099E-09	9.66E-12	1.93E-09	9.45E-07	1.77E-09	9.47E-07	1.18E-07	7.42E-10	1.19E-07	5.96E-13	1.8E-12	1.04E-12	4.88E-13	1.18E-11	6.51E-13	1.29342E-11	1.931E-09	9.4663E-07	1.19E-07	4.95092E-13	1.71868E-12	3.04143E-13	3.51937E-13
306	570670.6	4178279	0.55, 41782	0.40869	0.34273	189.16159	55.36754	23.6452	11.64813	2.27292E-09	1.20E-11	2.28E-09	1.05E-06	1.93E-09	1.05E-06	1.32E-07	8.26E-10	1.32E-07	7.05E-13	2.13E-12	1.23E-12	5.78E-13	1.4E-11	7.7E-13	1.53075E-11	2.285E-09	1.054E-06	1.32E-07	5.85936E-13	2.03403E-12	3.5995E-13	4.16514E-13
307	570710.6	4178279	0.55, 41782	0.47241	0.42944	202.37611	59.97812	25.29701	13.4468	2.6273E-09	1.50E-11	2.64E-09	1.13E-06	2.10E-09	1.13E-06	1.41E-07	8.84E-10	1.42E-07	8.15E-13	2.46E-12	1.43E-12	6.68E-13	1.61E-11	8.91E-13	1.77019E-11	2.642E-09	1.1276E-06	1.42E-07	6.77589E-13	2.3522E-12	4.16254E-13	4.81665E-13
308	570750.6	4178279	0.55, 41782	0.52143	0.53099	207.36077	66.44988	28.38204	16.35494	2.89992E-09	1.86E-11	2.92E-09	1.15E-06	2.32E-09	1.16E-06	1.58E-07	9.92E-10	1.59E-07	9.01E-13	2.72E-12	1.57E-12	7.38E-13	1.78E-11	9.84E-13	1.95521E-11	2.918E-09	1.1556E-06	1.59E-07	7.4841E-13	2.59805E-12	4.59761E-13	5.32009E-13
309	570790.6	4178279	0.55, 41782	0.56782	0.69623	217.33897	75.80804	33.24185	20.36018	3.15792E-09	2.43E-11	3.18E-09	1.21E-06	2.65E-09	1.21E-06	1.85E-07	1.16E-09	1.86E-07	9.82E-13	2.96E-12	1.72E-12	8.05E-13	1.94E-11	1.07E-12	2.13192E-11	3.182E-09	1.2114E-06	1.86E-07	8.16052E-13	2.83287E-12	5.01314E-13	5.80092E-13
310	570830.6	4178279	0.55, 41782	0.62461	0.91706	236.67869	94.57659	34.09074	24.90976	3.47376E-09	3.20E-11	3.51E-09	1.32E-06	3.31E-09	1.32E-06	1.9E-07	1.19E-09	1.91E-07	1.08E-12	3.27E-12	1.89E-12	8.87E-13	2.14E-11	1.18E-12	2.34869E-11	3.506E-09	1.3196E-06	1.91E-07	8.99023E-13	3.1209E-12	5.52285E-13	6.39072E-13
311	570870.6	4178279	0.55, 41782	0.74364	1.27032	232.57719	121.10786	38.76287	29.17824	4.13574E-09	4.44E-11	4.18E-09	1.29E-06	4.23E-09	1.3E-06	2.16E-07	1.35E-09	2.17E-07	1.29E-12	3.89E-12	2.25E-12	1.06E-12	2.55E-11	1.41E-12	2.80045E-11	4.18E-09	1.2977E-06	2.17E-07	1.07195E-12	3.72119E-12	6.58515E-13	7.61995E-13
312	570910.6	4178279	0.55, 41782	0.98087	1.94043	289.58181	139.00222	48.26363	45.30681	5.45509E-09	6.78E-11	5.52E-09	1.61E-06	4.86E-09	1.62E-06	2.68E-07	1.69E-09	2.7E-07	1.7E-12	5.15E-12	2.98E-12	1.4E-12	3.37E-11	1.86E-12	3.70003E-11	5.523E-09	1.6154E-06	2.7E-07	1.41628E-12	4.91653E-12	8.70047E-13	1.00677E-12
313	570950.6	4178279	0.55, 41782	1.54705	3.33468	380.89662	209.14004	63.48277	60.99964	8.60389E-09	1.17E-10	8.72E-09	2.12E-06	7.31E-09	2.13E-06	3.53E-07	2.22E-09	3.55E-07	2.69E-12	8.13E-12	4.7E-12	2.21E-12	5.33E-11	2.94E-12	5.84218E-11	8.72E-09	2.1257E-06	3.55E-07	2.23625E-12	7.76299E-12	1.37377E-12	1.58964E-12
314	571150.6	4178279	0.55, 41782	125.5821	15.27099	2183.625	235.47088	1020.3296	115.3363	6.98423E-07	5.34E-10	6.99E-07	1.21E-05	8.23E-09	1.22E-05	5.67E-06	3.57E-08	5.71E-06	2.16E-10	6.51E-10	3.77E-10	1.77E-10	4.27E-09	2.36E-10	4.6826E-09	6.99E-07	1.2152E-05	5.71E-06	1.79239E-10	6.22216E-10	1.1011E-10	1.27412E-10
315	571190.6	4178279	0.55, 41782	19.14498	7.50998	704.1647	157.76938	186.41477	61.8786	1.06474E-07	2.62E-10	1.07E-07	3.92E-06	5.51E-09	3.92E-06	1.04E-06	6.51E-09	1.04E-06	3.29E-11	9.94E-11	5.76E-11	2.7E-11	6.52E-10	3.6E-11	7.15075E-10	1.067E-07	3.9217E-06	1.04E-06	2.73714E-11	9.5018E-11	1.68147E-11	1.9457E-11
316	571230.6	4178279	0.55, 41782	9.41744	4.44398	418.2482	120.63814	87.01567	39.51148	5.23749E-08	1.55E-10	5.25E-08	2.33E-06	4.22E-09	2.33E-06	4.84E-07	3.04E-09	4.87E-07	1.62E-11	4.89E-11	2.83E-11	1.33E-11	3.21E-10	1.77E-11	3.51922E-10	5.253E-08	2.3303E-06	4.87E-07	1.34708E-11	4.67628E-11	8.27531E-12	9.57572E-12
317	571270.6	4178279	0.55, 41782	5.33507	3.02277	265.61255	99.06709	58.88721	29.56115	2.96709E-08	1.06E-10	2.98E-08	1.48E-06	3.46E-09	1.48E-06	3.28E-07	2.06E-09	3.3E-07	9.19E-12	2.77E-11	1.61E-11	7.53E-12	1.82E-10	1E-11	1.99486E-10	2.978E-08	1.4807E-06	3.3E-07	7.63585E-12	2.65073E-11	4.69082E-12	5.42795E-12
318	571310.6	4178279	0.55, 41782	3.44949	2.20529	197.38222	83.78037	42.40574	23.44903	1.91843E-08	7.71E-11	1.93E-08	1.1E-06	2.93E-09	1.1E-06	2.36E-07	1.48E-09	2.37E-07	5.94E-12	1.79E-11	1.04E-11	4.87E-12	1.18E-10	6.49E-12	1.2904E-10	1.926E-08	1.1007E-06	2.37E-07	4.93935E-12	1.71466E-11	3.03432E-12	3.51114E-12
319	571350.6	4178279	0.55, 41782	2.42474	1.67304	164.77993	74.08708	31.82391	19.20475	1.34851E-08	5.85E-11	1.35E-08	9.16E-07	2.59E-09	9.19E-07	1.77E-07	1.11E-09	1.78E-07	4.18E-12	1.26E-11	7.31E-12	3.43E-12	8.27E-11	4.56E-12	9.07344E-11	1.354E-08	9.1901E-07	1.78E-07	3.4731E-12	1.20566E-11	2.13358E-12	2.46886E-12
320	571390.6	4178279	0.55, 41782	1.80332	1.30805	139.62437	66.18564	24.75802	16.07748	1.00291E-08	4.57E-11	1.01E-08	7.77E-07	2.31E-09	7.79E-07	1.38E-07	8.65E-10	1.39E-07	3.11E-12	9.39E-12	5.43E-12	2.55E-12	6.16E-11	3.4E-12	6.74956E-11	1.007E-08	7.7883E-07	1.39E-07	2.58358E-12	8.9687E-12	1.58713E-12	1.83654E-12
321	571430.6	4178279	0.55, 41782	1.38872	1.04688	120.07885	59.47148	19.78612	13.66223	7.72334E-09	3.66E-11	7.76E-09	6.68E-07	2.08E-09	6.7E-07	1.1E-07	6.91E-10	1.11E-07	2.39E-12	7.23E-12	4.19E-12	1.96E-12	4.74E-11	2.62E-12	5.1987E-11	7.76E-09	6.6989E-07	1.11E-07	1.98994E-12	6.90795E-12	1.22245E-12	1.41455E-12
322	571470.6	4178279	0.55, 41782	1.11171	0.86066	104.95004	53.66694	16.34545	11.81303	6.18276E-09	3.01E-11	6.21E-09	5.84E-07	1.88E-09	5.86E-07	9.09E-08	5.71E-10	9.15E-08	1.92E-12	5.79E-12	3.35E-12	1.57E-12	3.8E-11	2.09E-12	4.16224E-11	6.213E-09	5.8555E-07	9.15E-08	1.59321E-12	5.53071E-12	9.78734E-13	1.13254E-12
323	571510.6	4178279	0.55, 41782	0.90331	0.71725	92.95227	48.50847	13.70064	10.27697	5.02374E-09	2.51E-11	5.05E-09	5.17E-07	1.70E-09	5.19E-07	7.62E-08	4.79E-10	7.67E-08	1.56E-12	4.7E-12	2.72E-12	1.28E-12	3.08E-11	1.7E-12	3.38241E-11	5.049E-09	5.1865E-07	7.67E-08	1.29471E-12	4.49449E-12	7.9536E-13	9.20346E-13
324	571550.6	4178279	0.55, 41782	0.74685	0.60641	83.35854	43.88956	11.6678	9.00306	4.15359E-09	2.12E-11	4.17E-09	4.64E-07	1.53E-09	4.65E-07	6.49E-08	4.08E-10	6.53E-08	1.29E-12	3.89E-12	2.25E-12	1.06E-12	2.55E-11	1.41E-12	2.79686E-11	4.175E-09	4.6513E-07	6.53E-08	1.07058E-12	3.71643E-12	6.57672E-13	7.6102E-13
325	571590.6	4178279	0.55, 41782	0.63093	0.52161	75.57295	41.1264	10.11638	7.96472	3.50891E-09	1.82E-11	3.53E-09	4.2E-07	1.44E-09	4.22E-07	5.63E-08	3.54E-10	5.66E-08	1.09E-12	3.29E-12	1.9E-12	8.92E-13	2.15E-11	1.19E-12	2.36298E-11	3.527E-09	4.2173E-07	5.66E-08	9.04493E-13	3.13988E-12	5.55645E-13	6.4296E-13
326	570310.6	4178319	0.55, 41783	0.1112	0.07908	65.67409	25.12162	10.72274	3.92383	6.18437E-10	2.76E-12	6.21E-10	3.65E-07	8.78E-10	3.66E-07	5.96E-08	3.75E-10	6E-08	1.92E-13	5.79E-13	3.35E-13	1.57E-13	3.8E-12	2.09E-13	4.16168E-12	6.212E-10	3.6612E-07	6E-08	1.593E-13	5.52997E-13	9.78604E-14	1.13238E-13
327	570350.6	4178319	0.55, 41783	0.12381	0.08915	72.99363	26.3644	10.96785	4.13077	6.88567E-10	3.12E-12	6.92E-10	4.06E-07	9.21E-10	4.07E-07	6.1E-08	3.83E-10	6.14E-08	2.13E-13	6.44E-13	3.73E-13	1.75E-13	4.23E-12	2.33E-13	4.63387E-12	6.917E-10	4.0687E-07	6.14E-08	1.77374E-13	6.15741E-13	1.08964E-13	1.26087E-13
328	570390.6	4178319	0.55, 41783	0.13907	0.1015	85.61577	27.73961	11.84211	4.3586	7.73435E-10	3.55E-12	7.77E-10	4.76E-07	9.69E-10	4.77E-07	6.59E-08	4.14E-10	6.63E-08	2.4E-13	7.24E-13	4.19E-13	1.97E-13	4.75E-12	2.62E-13	5.20533E-12	7.77E-10	4.7712E-07	6.63E-08	1.99248E-13	6.91676E-13	1.22401E-13	1.41636E-13
329	570430.6	4178319	0.55, 41783	0.15783	0.11689	97.99246	29.27563	13.47747	4.61214	8.77769E-10	4.09E-12	8.82E-10	5.45E-07	1.02E-09	5.46E-07	7.5E-08	4.71E-10	7.54E-08	2.72E-13	8.22E-13	4.76E-13	2.23E-13	5.39E-12	2.97E-13	5.90791E-12	8.819E-10	5.4601E-07	7.54E-08	2.26141E-13	7.85033E-13	1.38922E-13	1.60753E-13
330	570470.6	4178319	0.55, 41783	0.18134	0.13633	108.90086	31.01454	14.92794	4.89871	1.00852E-09	4.76E-12	1.01E-09	6.06E-07	1.08E-09	6.07E-07	8.3E-08	5.22E-10	8.35E-08	3.13E-13	9.44E-13	5.47E-13	2.56E-13	6.19E-12	3.42E-13	6.78841E-12	1.013E-09	6.0673E-07	8.35E-08	2.59845E-13	9.02033E-13	1.59627E-13	1.84711E-13
331	570510.6	4178319	0.55, 41783	0.21129	0.16124	118.40452	33.29424	15.9306	5.40834	1.17509E-09	5.64E-12	1.18E-09	6.59E-07	1.16E-09	6.6E-07	8.86E-08	5.57E-10	8.92E-08	3.64E-13	1.1E-12	6.37E-13	2.99E-13	7.21E-12	3.98E-13	7.91014E-12	1.181E-09	6.5967E-07	8.92E-08	3.02782E-13	1.05109E-12	1.86004E-13	2.15233E-13
332	570550.6	4178319	0.55, 41783	0.2503	0.19368	153.9338	39.94632	19.24172	6.62991	1.39204E-09	6.77E-12	1.4E-09	8.56E-07	1.40E-09	8.57E-07	1.07E-07	6.72E-10	1.08E-07	4.32E-13	1.3E-12	7.54E-13	3.54E-13	8.55E-12	4.71E-13	9.3712E-12	1.399E-09	8.575E-07	1.08E-07	3.58708E-13	1.24523E-12	2.2036E-13	2.54988E-13
333	570590.6	4178319	0.55, 41783	0.30196	0.23671	186.54438	46.61587	23.31805	7.76931	1.67935E-09	8.27E-12	1.69E-09	1.04E-06	1.63E-09	1.04E-06	1.3E-07	8.15E-10	1.3E-07	5.21E-13	1.57E-12	9.1E-13	4.27E-13	1.03E-11	5.69E-13	1.13061E-11	1.688E-09	1.0391E-06	1.3E-07	4.3277E-13	1.50233E-12	2.65858E-13	3.07635E-13
334	570630.6	4178319	0.55, 41783	0.37105	0.29503	205.0145	52.79857	25.62681	8.79976	2.06359E-09	1.03E-11	2.07E-09	1.14E-06	1.85E-09	1.14E-06	1.43E-07	8.96E-10	1.43E-07	6.4E-13	1.93E-12	1.12E-12	5.25E-13	1.27E-11	6.99E-13	1.38939E-11	2.074E-09	1.142E-06	1.43E-07	5.31827E-13	1.8462E-12	3.2671E-13	3.7805E-13
335	570670.6	4178319	0.55, 41783	0.462	0.37572	218.45656	59.57781	27.30707	11.98561	2.5694E-09	1.31E-11	2.58E-09	1.21E-06	2.08E-09	1.22E-06	1.52E-07	9.54E-10	1.53E-07	7.97E-13	2.41E-12	1.39E-12	6.53E-13	1.58E-11	8.7E-13	1.73015E-11	2.583E-09	1.217E-06	1.53E-07	6.62261E-13	2.29899E-12	4.06838E-13	4.70769E-13
336	570710.6	4178319	0.55, 41783	0.57218	0.48827	242.44958	66.62286	30.3062	15.15553	3.18217E-09	1.71E-11	3.2E-09	1.35E-06	2.33E-09	1.35E-06	1.69E-07	1.06E-09	1.7E-07	9.87E-13	2.98E-12	1.73E-12	8.09E-13	1.95E-11	1.08E-12	2.1433E-11	3.199E-09	1.3507E-06	1.7E-07	8.20406E-13	2.84798E-12	5.03989E-13	5.83187E-13
337	570750.6	4178319	0.55, 41783	0.67767	0.63416	262.41203	72.71034	32.8015	17.84948	3.76885E-09	2.22E-11	3.79E-09	1.46E-06	2.54E-09	1.46E-06	1.82E-07	1.15E-09	1.84E-07	1.17E-12	3.53E-12	2.04E-12	9.59E-13	2.32E-11	1.28E-12	2.53976E-11	3.791E-09	1.4619E-06	1.84E-07	9.72161E-13	3.37479E-12	5.97214E-13	6.91062E-13
338	570790.6	4178319	0.55, 41783	0.76041	0.85502	285.66779	86.45349	42.9347	23.67926	4.22901E-09	2.99E-11	4.26E-09	1.59E-06	3.02E-09	1.59E-06	2.39E-07	1.50E-09	2.4E-07	1.31E-12	3.97E-12	2.3E-12	1.08E-12	2.6E-11	1.44E-12	2.85321E-11	4.259E-09	1.5918E-06	2.4E-07	1.09214E-12	3.79129E-12	6.70921E-13	7.76351E-13
339	570830.6	4178319	0.55, 41783	0.82107	1.23378	302.59427	109.05103	45.07728	29.79255	4.56637E-09	4.31E-11	4.61E-09	1.68E-06	3.81E-09	1.69E-06	2.51E-07	1.58E-09	2.52E-07	1.42E-12	4.29E-12	2.49E-12	1.17E-12	2.82E-11	1.55E-12	3.08809E-11	4.609E-09	1.6867E-06	2.52E-07	1.18205E-12	4.1034E-12	7.26152E-13	8.40261E-13
340	570870.6	4178319	0.55, 41783	0.93174	1.8881	263.71888	150.69846	37.23183	42.82711	5.18186E-09	6.60E-11	5.25E-09	1.47E-06	5.27E-09	1.47E-06	2.07E-07	1.30E-09	2.08E-07	1.62E-12	4.89E-12	2.83E-12	1.33E-12	3.21E-11	1.77E-12	3.51575E-11	5.248E-09	1.4719E-06	2.08E-07	1.34575E-12	4.67167E-12	8.26715E-13	9.56627E-13
341	570910.6	4178319	0.55, 41783	1.19482	3.5981	225.26352	195.84246	37.31993	59.22953	6.64497E-09	1.26E-10	6.77E-09	1.25E-06	6.84E-09	1.26E-06	2.08E-07	1.30E-09	2.09E-07	2.09E-12	6.31E-12	3.65E-12	1.71E-12	4.14E-11	2.28E-12	4.53599E-11	6.771E-09	1.2596E-06	2.09E-07	1.73627E-12	6.02734E-12	1.06662E-12	1.23423E-12
342	571190.6	4178319	0.55, 41783	29.13102	9.74239	1204.46355	192.40018	337.10397	86.14095	1.62012E-07	3.40E-10	1.62E-07	6.7E-06	6.72E-09	6.71E-06	1.87E-06	1.18E-08	1.89E-06	5.01E-11	1.51E-10	8.76E-11	4.11E-11	9.92E-10	5.47E-11	1.08766E-09	1.624E-07	6.7053E-06	1.89E-06	4.16333E-11	1.44527E-10	2.5576E-11	2.95951E-11
343	571230.6	4178319	0.55, 41783	10.45163	5.25398	479.33008	117.37647	126.19986	44.06446	5.81266E-08	1.84E-10	5.83E-08	2.67E-06	4.10E-09	2.67E-06	7.02E-07	4.41E-09	7.06E-07	1.8E-11	5.43E-11	3.15E-11	1.47E-11	3.56E-10	1.97E-11	3.90644E-10	5.831E-08	2.6699E-06	7.06E-07	1.4953E-11	5.19081E-11	9.18585E-12	1.06293E-11
344	571270.6	4178319	0.55, 41783	5.72808	3.4301	292.22118	96.9874	63.79547	33.00222	3.18566E-08	1.20E-10	3.2E-08	1.63E-06	3.39E-09	1.63E-06	3.55E-07	2.23E-09	3.57E-07	9.87E-12	2.98E-11	1.72E-11	8.09E-12	1.95E-10	1.08E-11	2.14224E-10	3.198E-08	1.6286E-06	3.57E-07	8.2E-12	2.84657E-11	5.03739E-12	5.82898E-12
345	571310.6	4178319	0.55, 41783	3.67711	2.43151	175.48484	83.52768	43.52526	25.92364	2.04502E-08	8.50E-11	2.05E-08	9.76E-07	2.92E-09	9.79E-07	2.42E-07	1.52E-09	2.44E-07	6.34E-12	1.91E-11	1.11E-11	5.19E-12	1.25E-10	6.92E-12	1.37574E-10	2.054E-08	9.7887E-07	2.44E-07	5.266E-12	1.82806E-11	3.23499E-12	3.74335E-12
346	571350.6	4178319	0.55, 41783	2.57847	1.81872	135.74456	73.58424	31.86463	21.08438	1.43401E-08	6.36E-11	1.44E-08	7.55E-07	2.57E-09	7.58E-07	1.77E-07	1.11E-09	1.78E-07	4.44E-12	1.34E-11	7.77E-12	3.64E-12	8.8E-11	4.85E-12	9.64963E-11	1.44E-08	7.5751E-07	1.78E-07	3.69365E-12	1.28223E-11	2.26907E-12	2.62564E-12
347	571390.6	4178319	0.55, 41783	1.91038	1.41202	114.67965	65.84745	24.95277	17.54375	1.06245E-08	4.93E-11	1.07E-08	6.38E-07	2.30E-09	6.4E-07	1.39E-07	8.72E-10	1.4E-07	3.29E-12	9.95E-12	5.76E-12	2.7E-12	6.52E-11	3.6E-12	7.15089E-11	1.067E-08	6.4009E-07	1.4E-07	2.7372E-12	9.50198E-12	1.6815E-12	1.94574E-12
348	571430.6	4178319	0.55, 41783	1.47151	1.12853	100.57811	59.61061	20.18585	14.84739	8.18378E-09	3.94E-11	8.22E-09	5.59E-07	2.08E-09	5.61E-07	1.12E-07	7.05E-10	1.13E-07	2.54E-12	7.66E-12	4.44E-12	2.08E-12	5.02E-11	2.77E-12	5.50908E-11	8.223E-09	5.6145E-07	1.13E-07	2.10875E-12	7.32037E-12	1.29544E-12	1.49901E-12
349	571470.6	4178319	0.55, 41783	1.16585	0.92218	90.09229	54.43044	16.69193	12.71837	6.48385E-09	3.22E-11	6.52E-09	5.01E-07	1.90E-09	5.03E-07	9.28E-08	5.83E-10	9.34E-08	2.01E-12	6.07E-12	3.51E-12	1.65E-12	3.98E-11	2.2E-12	4.3654E-11	6.516E-09	5.0295E-07	9.34E-08	1.67097E-12	5.80066E-12	1.02651E-12	1.18781E-12
350	571510.6	4178319	0.55, 41783	0.94595	0.76805	81.52103	50.05282	14.06823	11.00608	5.26088E-09	2.68E-11	5.29E-09	4.53E-07	1.75E-09	4.55E-07	7.82E-08	4.92E-10	7.87E-08	1.63E-12	4.93E-12	2.85E-12	1.34E-12	3.23E-11	1.78E-12	3.54247E-11	5.288E-09	4.5513E-07	7.87E-08	1.35598E-12	4.70717E-12	8.32998E-13	9.63898E-13
351	571550.6	4178319	0.55, 41783	0.78212	0.64956	74.38547	46.28731	12.02264	9.59923	4.34975E-09	2.27E-11	4.37E-09	4.14E-07	1.62E-09	4.15E-07	6.69E-08	4.20E-10	6.73E-08	1.35E-12	4.07E-12	2.36E-12	1.11E-12	2.67E-11	1.47E-12	2.92929E-11	4.372E-09	4.1531E-07	6.73E-08	1.12126E-12	3.89239E-12	6.8881E-13	7.97052E-13
352	571590.6	4178319	0.55, 41783	0.65442	0.55508	68.29245	42.98116	10.3334	8.40789	3.63955E-09	1.94E-11	3.66E-09	3.8E-07	1.50E-09	3.81E-07	5.75E-08	3.61E-10	5.78E-08	1.13E-12	3.41E-12	1.97E-12	9.25E-13	2.24E-11	1.23E-12	2.45128E-11	3.659E-09	3.8131E-07	5.78E-08	9.38294E-13	3.25722E-12	5.76409E-13	6.66988E-13
353	570310.6	4178359	0.55, 41783	0.11229	0.07993	69.29068	26.58817	11.54845	4.0095	6.24499E-10	2.79E-12	6.27E-10	3.85E-07	9.29E-10	3.86E-07	6.42E-08	4.04E-10	6.46E-08	1.94E-13	5.84E-13	3.38E-13	1.59E-13	3.83E-12	2.11E-13	4.20249E-12	6.273E-10	3.8629E-07	6.46E-08	1.60862E-13	5.5842E-13	9.882E-14	1.14349E-13
354	570350.6	4178359	0.55, 41783	0.12531	0.09043	75.30937	28.06345	12.55156	4.25756	6.96909E-10	3.16E-12	7E-10	4.19E-07	9.81E-10	4.2E-07	6.98E-08	4.39E-10	7.02E-08	2.16E-13	6.52E-13	3.78E-13	1.77E-13	4.28E-12	2.36E-13	4.69006E-12	7.001E-10	4.1981E-07	7.02E-08	1.79525E-13	6.23207E-13	1.10285E-13	1.27615E-13
355	570390.6	4178359	0.55, 41783	0.14084	0.10296	81.29058	29.71471	13.54843	4.53386	7.83279E-10	3.60E-12	7.87E-10	4.52E-07	1.04E-09	4.53E-07	7.53E-08	4.73E-10	7.58E-08	2.43E-13	7.33E-13	4.24E-13	1.99E-13	4.81E-12	2.65E-13	5.27162E-12	7.869E-10	4.5313E-07	7.58E-08	2.01786E-13	7.00484E-13	1.2396E-13	1.4344E-13
356	570430.6	4178359	0.55, 41783	0.15989	0.11858	87.11605	31.54887	14.51934	4.83992	8.89225E-10	4.14E-12	8.93E-10	4.84E-07	1.10E-09	4.86E-07	8.07E-08	5.07E-10	8.13E-08	2.76E-13	8.32E-13	4.82E-13	2.26E-13	5.46E-12	3.01E-13	5.98506E-12	8.934E-10	4.856E-07	8.13E-08	2.29094E-13	7.95284E-13	1.40736E-13	1.62852E-13
357	570470.6	4178359	0.55, 41783	0.18374	0.13844	97.3598	33.59814	15.36354	5.1813	1.02187E-09	4.84E-12	1.03E-09	5.41E-07	1.17E-09	5.43E-07	8.54E-08	5.37E-10	8.6E-08	3.17E-13	9.57E-13	5.54E-13	2.6E-13	6.27E-12	3.46E-13	6.87833E-12	1.027E-09	5.4264E-07	8.6E-08	2.63287E-13	9.1398E-13	1.61741E-13	1.87158E-13
358	570510.6	4178359	0.55, 41783	0.21432	0.16421	118.04415	35.93263	16.48105	5.5698	1.19194E-09	5.74E-12	1.2E-09	6.57E-07	1.26E-09	6.58E-07	9.17E-08	5.76E-10	9.22E-08	3.7E-13	1.12E-12	6.46E-13	3.03E-13	7.32E-12	4.04E-13	8.02373E-12	1.198E-09	6.5776E-07	9.22E-08	3.0713E-13	1.06618E-12	1.88675E-13	2.18324E-13
359	570550.6	4178359	0.55, 41783	0.25472	0.19842	139.50155	38.63371	19.4148	6.01971	1.41662E-09	6.93E-12	1.42E-09	7.76E-07	1.35E-09	7.77E-07	1.08E-07	6.79E-10	1.09E-07	4.39E-13	1.33E-12	7.68E-13	3.6E-13	8.7E-12	4.8E-13	9.53699E-12	1.424E-09	7.7719E-07	1.09E-07	3.65054E-13	1.26726E-12	2.24259E-13	2.59499E-13
360	570590.6	4178359	0.55, 41783	0.30979	0.24497	159.83108	41.83842	22.23989	6.84975	1.72289E-09	8.56E-12	1.73E-09	8.89E-07	1.46E-09	8.9E-07	1.24E-07	7.77E-10	1.24E-07	5.34E-13	1.61E-12	9.34E-13	4.38E-13	1.06E-11	5.84E-13	1.15997E-11	1.731E-09	8.9036E-07	1.24E-07	4.44011E-13	1.54135E-12	2.72763E-13	3.15626E-13
361	570630.6	4178359	0.55, 41783	0.38734	0.31015	206.43147	51.05257	25.80393	8.50876	2.15418E-09	1.08E-11	2.17E-09	1.15E-06	1.78E-09	1.15E-06	1.44E-07	9.02E-10	1.44E-07	6.68E-13	2.02E-12	1.17E-12	5.48E-13	1.32E-11	7.3E-13	1.45041E-11	2.165E-09	1.1498E-06	1.44E-07	5.55195E-13	1.92732E-12	3.41065E-13	3.94661E-13
362	570670.6	4178359	0.55, 41783	0.50063	0.40488	262.98595	60.70684	32.87324	10.74505	2.78424E-09	1.41E-11	2.8E-09	1.46E-06	2.12E-09	1.46E-06	1.83E-07	1.15E-09	1.84E-07	8.64E-13	2.61E-12	1.51E-12	7.08E-13	1.71E-11	9.43E-13	1.87476E-11	2.798E-09	1.4647E-06	1.84E-07	7.17616E-13	2.49115E-12	4.40843E-13	5.10118E-13
363	570710.6	4178359	0.55, 41783	0.66972	0.54814	304.17814	72.14807	38.02227	15.71205	3.72464E-09	1.92E-11	3.74E-09	1.69E-06	2.52E-09	1.69E-06	2.11E-07	1.33E-09	2.13E-07	1.16E-12	3.49E-12	2.02E-12	9.47E-13	2.29E-11	1.26E-12	2.50812E-11	3.744E-09	1.6942E-06	2.13E-07	9.60052E-13	3.33275E-12	5.89775E-13	6.82454E-13
364	570750.6	4178359	0.55, 41783	0.90523	0.76876	339.35657	85.82023	44.72327	21.31802	5.03442E-09	2.69E-11	5.06E-09	1.89E-06	3.00E-09	1.89E-06	2.49E-07	1.56E-09	2.5E-07	1.56E-12	4.72E-12	2.73E-12	1.28E-12	3.09E-11	1.71E-12	3.39077E-11	5.061E-09	1.8903E-06	2.5E-07	1.29791E-12	4.5056E-12	7.97326E-13	9.2262E-13
365	570790.6	4178359	0.55, 41783	1.13154	1.06104	377.53193	96.31599	54.94081	27.90141	6.29304E-09	3.71E-11	6.33E-09	2.1E-06	3.37E-09	2.1E-06	3.06E-07	1.92E-09	3.07E-07	1.95E-12	5.9E-12	3.41E-12	1.6E-12	3.87E-11	2.13E-12	4.24081E-11	6.33E-09	2.103E-06	3.07E-07	1.62329E-12	5.63512E-12	9.97211E-13	1.15392E-12
366	570830.6	4178359	0.55, 41783	1.33226	1.74963	411.58415	139.14147	69.46909	37.35577	7.40934E-09	6.11E-11	7.47E-09	2.29E-06	4.86E-09	2.29E-06	3.86E-07	2.43E-09	3.89E-07	2.31E-12	6.96E-12	4.03E-12	1.89E-12	4.56E-11	2.52E-12	5.00479E-11	7.47E-09	2.2939E-06	3.89E-07	1.91572E-12	6.65028E-12	1.17686E-12	1.36179E-12
367	570870.6	4178359	0.55, 41783	1.45984	3.38436	346.78431	184.49712	52.43952	61.49528	8.11887E-09	1.18E-10	8.24E-09	1.93E-06	6.45E-09	1.94E-06	2.92E-07	1.83E-09	2.93E-07	2.54E-12	7.67E-12	4.44E-12	2.08E-12	5.03E-11	2.78E-12	5.51841E-11	8.237E-09	1.9351E-06	2.93E-07	2.11232E-12	7.33277E-12	1.29763E-12	1.50155E-12
368	571150.6	4178359	0.55, 41783	17.36196	17.82412	1537.79423	258.8776	350.34789	128.93656	9.65582E-08	6.23E-10	9.72E-08	8.55E-06	9.05E-09	8.56E-06	1.95E-06	1.22E-08	1.96E-06	3E-11	9.05E-11	5.24E-11	2.46E-11	5.94E-10	3.28E-11	6.51057E-10	9.718E-08	8.5615E-06	1.96E-06	2.4921E-11	8.65114E-11	1.53094E-11	1.77151E-11
369	571190.6	4178359	0.55, 41783	10.35157	8.16971	590.93034	162.31709	161.82999	76.08872	5.75701E-08	2.86E-10	5.79E-08	3.29E-06	5.67E-09	3.29E-06	9E-07	5.66E-09	9.06E-07	1.79E-11	5.39E-11	3.12E-11	1.46E-11	3.53E-10	1.95E-11	3.87599E-10	5.786E-08	3.2921E-06	9.06E-07	1.48364E-11	5.15035E-11	9.11424E-12	1.05465E-11
370	571230.6	4178359	0.55, 41783	6.41954	4.85697	429.96716	118.18476	103.63447	47.29307	3.57022E-08	1.70E-10	3.59E-08	2.39E-06	4.13E-09	2.4E-06	5.77E-07	3.63E-09	5.81E-07	1.11E-11	3.34E-11	1.93E-11	9.07E-12	2.19E-10	1.21E-11	2.40321E-10	3.587E-08	2.3954E-06	5.81E-07	9.19893E-12	3.19334E-11	5.65105E-12	6.53908E-12
371	571270.6	4178359	0.55, 41783	4.24607	3.28764	330.34534	97.41521	71.25122	30.79427	2.36144E-08	1.15E-10	2.37E-08	1.84E-06	3.40E-09	1.84E-06	3.96E-07	2.49E-09	3.99E-07	7.32E-12	2.21E-11	1.28E-11	6E-12	1.45E-10	8E-12	1.58973E-10	2.373E-08	1.8406E-06	3.99E-07	6.08511E-12	2.1124E-11	3.73818E-12	4.32561E-12
372	571310.6	4178359	0.55, 41783	3.01802	2.39332	280.32399	84.30249	47.38187	23.6076	1.67847E-08	8.36E-11	1.69E-08	1.56E-06	2.95E-09	1.56E-06	2.64E-07	1.66E-09	2.65E-07	5.21E-12	1.57E-11	9.1E-12	4.27E-12	1.03E-10	5.69E-12	1.13008E-10	1.687E-08	1.562E-06	2.65E-07	4.32568E-12	1.50163E-11	2.65734E-12	3.07492E-12
373	571350.6	4178359	0.55, 41783	2.25439	1.82521	223.1696	75.03337	32.74083	19.24184	1.25377E-08	6.38E-11	1.26E-08	1.24E-06	2.62E-09	1.24E-06	1.82E-07	1.14E-09	1.83E-07	3.89E-12	1.17E-11	6.8E-12	3.19E-12	7.7E-11	4.25E-12	8.4423E-11	1.26E-08	1.2438E-06	1.83E-07	3.23152E-12	1.1218E-11	1.98517E-12	2.29713E-12
374	571390.6	4178359	0.55, 41783	1.7395	1.43625	164.0034	68.00709	25.39154	16.17569	9.6742E-09	5.02E-11	9.72E-09	9.12E-07	2.38E-09	9.14E-07	1.41E-07	8.87E-10	1.42E-07	3E-12	9.06E-12	5.25E-12	2.46E-12	5.94E-11	3.28E-12	6.51478E-11	9.724E-09	9.1448E-07	1.42E-07	2.49371E-12	8.65673E-12	1.53192E-12	1.77266E-12
375	571430.6	4178359	0.55, 41783	1.37666	1.15767	113.66708	62.41604	21.33563	13.79366	7.65627E-09	4.05E-11	7.7E-09	6.32E-07	2.18E-09	6.34E-07	1.19E-07	7.46E-10	1.19E-07	2.38E-12	7.17E-12	4.15E-12	1.95E-12	4.7E-11	2.59E-12	5.15636E-11	7.697E-09	6.3434E-07	1.19E-07	1.97374E-12	6.85168E-12	1.2125E-12	1.40303E-12
376	571470.6	4178359	0.55, 41783	1.11313	0.95193	91.64258	57.80687	17.74486	11.89568	6.19065E-09	3.33E-11	6.22E-09	5.1E-07	2.02E-09	5.12E-07	9.87E-08	6.20E-10	9.93E-08	1.92E-12	5.8E-12	3.36E-12	1.57E-12	3.8E-11	2.1E-12	4.16967E-11	6.224E-09	5.1169E-07	9.93E-08	1.59605E-12	5.54058E-12	9.80481E-13	1.13456E-12
377	571510.6	4178359	0.55, 41783	0.9166	0.79605	82.11168	53.90312	14.64829	10.35284	5.09765E-09	2.78E-11	5.13E-09	4.57E-07	1.88E-09	4.59E-07	8.15E-08	5.12E-10	8.2E-08	1.58E-12	4.78E-12	2.76E-12	1.3E-12	3.13E-11	1.73E-12	3.43377E-11	5.125E-09	4.5855E-07	8.2E-08	1.31437E-12	4.56274E-12	8.07438E-13	9.34321E-13
378	571550.6	4178359	0.55, 41783	0.76622	0.67498	72.9064	50.52239	12.13868	9.07968	4.26132E-09	2.36E-11	4.28E-09	4.05E-07	1.77E-09	4.07E-07	6.75E-08	4.24E-10	6.79E-08	1.32E-12	3.99E-12	2.31E-12	1.08E-12	2.62E-11	1.44E-12	2.87064E-11	4.285E-09	4.0723E-07	6.79E-08	1.09881E-12	3.81446E-12	6.7502E-13	7.81094E-13
379	571590.6	4178359	0.55, 41783	0.64386	0.57575	65.94968	47.48497	10.99161	8.00686	3.58082E-09	2.01E-11	3.6E-09	3.67E-07	1.66E-09	3.68E-07	6.11E-08	3.84E-10	6.15E-08	1.11E-12	3.36E-12	1.94E-12	9.11E-13	2.2E-11	1.21E-12	2.41242E-11	3.601E-09	3.6844E-07	6.15E-08	9.23418E-13	3.20558E-12	5.67271E-13	6.56414E-13
380	570310.6	4178399	0.55, 41783	0.11287	0.08031	71.34246	27.87564	11.89041	3.82503	6.27724E-10	2.81E-12	6.31E-10	3.97E-07	9.74E-10	3.98E-07	6.61E-08	4.16E-10	6.65E-08	1.95E-13	5.87E-13	3.4E-13	1.59E-13	3.85E-12	2.13E-13	4.22419E-12	6.305E-10	3.9774E-07	6.65E-08	1.61692E-13	5.61304E-13	9.93303E-14	1.14939E-13
381	570350.6	4178399	0.55, 41783	0.12665	0.09175	75.96419	29.57043	12.46202	4.12173	7.04362E-10	3.21E-12	7.08E-10	4.22E-07	1.03E-09	4.24E-07	6.93E-08	4.36E-10	6.97E-08	2.18E-13	6.59E-13	3.82E-13	1.79E-13	4.32E-12	2.38E-13	4.7403E-12	7.076E-10	4.2351E-07	6.97E-08	1.81448E-13	6.29882E-13	1.11466E-13	1.28982E-13
382	570390.6	4178399	0.55, 41783	0.1425	0.10434	83.29233	31.439	13.04897	4.44958	7.92511E-10	3.65E-12	7.96E-10	4.63E-07	1.10E-09	4.64E-07	7.26E-08	4.56E-10	7.3E-08	2.46E-13	7.42E-13	4.29E-13	2.01E-13	4.86E-12	2.68E-13	5.33379E-12	7.962E-10	4.6433E-07	7.3E-08	2.04165E-13	7.08745E-13	1.25422E-13	1.45131E-13
383	570430.6	4178399	0.55, 41783	0.16211	0.12032	91.32735	33.521	14.59534	4.81492	9.01572E-10	4.20E-12	9.06E-10	5.08E-07	1.17E-09	5.09E-07	8.12E-08	5.10E-10	8.17E-08	2.8E-13	8.44E-13	4.89E-13	2.29E-13	5.53E-12	3.05E-13	6.06818E-12	9.058E-10	5.0909E-07	8.17E-08	2.32276E-13	8.06329E-13	1.42691E-13	1.65114E-13
384	570470.6	4178399	0.55, 41783	0.18668	0.14051	100.43451	35.89015	16.57018	5.22899	1.03822E-09	4.91E-12	1.04E-09	5.59E-07	1.25E-09	5.6E-07	9.22E-08	5.79E-10	9.27E-08	3.22E-13	9.72E-13	5.63E-13	2.64E-13	6.37E-12	3.52E-13	6.98835E-12	1.043E-09	5.5982E-07	9.27E-08	2.67498E-13	9.286E-13	1.64328E-13	1.90151E-13
385	570510.6	4178399	0.55, 41783	0.21834	0.16684	112.76596	38.62084	18.79433	5.70408	1.21429E-09	5.83E-12	1.22E-09	6.27E-07	1.35E-09	6.28E-07	1.05E-07	6.57E-10	1.05E-07	3.77E-13	1.14E-12	6.58E-13	3.09E-13	7.45E-12	4.11E-13	8.17413E-12	1.22E-09	6.285E-07	1.05E-07	3.12887E-13	1.08616E-12	1.92211E-13	2.22416E-13
386	570550.6	4178399	0.55, 41783	0.26039	0.20212	127.75395	41.82578	21.29232	6.25899	1.44815E-09	7.06E-12	1.46E-09	7.11E-07	1.46E-09	7.12E-07	1.18E-07	7.44E-10	1.19E-07	4.49E-13	1.36E-12	7.85E-13	3.68E-13	8.89E-12	4.9E-13	9.74912E-12	1.455E-09	7.1196E-07	1.19E-07	3.73174E-13	1.29545E-12	2.29247E-13	2.65271E-13
387	570590.6	4178399	0.55, 41783	0.3185	0.25095	144.10526	45.67081	24.01754	7.17597	1.77133E-09	8.77E-12	1.78E-09	8.01E-07	1.60E-09	8.03E-07	1.34E-07	8.39E-10	1.34E-07	5.49E-13	1.66E-12	9.6E-13	4.5E-13	1.09E-11	6E-13	1.19257E-11	1.78E-09	8.0303E-07	1.34E-07	4.56487E-13	1.58466E-12	2.80427E-13	3.24494E-13
388	570630.6	4178399	0.55, 41783	0.40291	0.32135	177.65061	50.36929	27.05917	8.74903	2.24078E-09	1.12E-11	2.25E-09	9.88E-07	1.76E-09	9.9E-07	1.5E-07	9.46E-10	1.51E-07	6.95E-13	2.1E-12	1.21E-12	5.7E-13	1.38E-11	7.59E-13	1.50871E-11	2.252E-09	9.8976E-07	1.51E-07	5.77501E-13	2.00475E-12	3.54768E-13	4.10518E-13
389	570670.6	4178399	0.55, 41783	0.53348	0.4284	224.79663	56.41372	32.60934	10.76331	2.96694E-09	1.50E-11	2.98E-09	1.25E-06	1.97E-09	1.25E-06	1.81E-07	1.14E-09	1.82E-07	9.2E-13	2.78E-12	1.61E-12	7.54E-13	1.82E-11	1.01E-12	1.99771E-11	2.982E-09	1.2522E-06	1.82E-07	7.64676E-13	2.65452E-12	4.69753E-13	5.43571E-13
390	570710.6	4178399	0.55, 41783	0.75271	0.60288	297.96202	70.92072	41.13122	14.0152	4.18618E-09	2.11E-11	4.21E-09	1.66E-06	2.48E-09	1.66E-06	2.29E-07	1.44E-09	2.3E-07	1.3E-12	3.92E-12	2.27E-12	1.06E-12	2.57E-11	1.42E-12	2.81861E-11	4.207E-09	1.6596E-06	2.3E-07	1.0789E-12	3.74533E-12	6.62786E-13	7.66939E-13
391	570750.6	4178399	0.55, 41783	1.15447	0.90762	416.42427	90.04322	52.05303	22.1169	6.42056E-09	3.17E-11	6.45E-09	2.32E-06	3.15E-09	2.32E-06	2.89E-07	1.82E-09	2.91E-07	1.99E-12	6.01E-12	3.48E-12	1.63E-12	3.94E-11	2.17E-12	4.32266E-11	6.452E-09	2.3191E-06	2.91E-07	1.65461E-12	5.74387E-12	1.01646E-12	1.17618E-12
392	570790.6	4178399	0.55, 41783	1.70092	1.35462	632.44551	121.09647	79.05569	31.00919	9.45964E-09	4.73E-11	9.51E-09	3.52E-06	4.23E-09	3.52E-06	4.4E-07	2.76E-09	4.42E-07	2.93E-12	8.86E-12	5.13E-12	2.4E-12	5.81E-11	3.2E-12	6.36912E-11	9.507E-09	3.5216E-06	4.42E-07	2.43795E-12	8.46318E-12	1.49767E-12	1.73302E-12
393	570830.6	4178399	0.55, 41783	3.46088	2.976	854.46592	185.76652	157.19416	64.23703	1.92476E-08	1.04E-10	1.94E-08	4.75E-06	6.49E-09	4.76E-06	8.74E-07	5.49E-09	8.8E-07	5.97E-12	1.8E-11	1.04E-11	4.89E-12	1.18E-10	6.52E-12	1.29645E-10	1.935E-08	4.7586E-06	8.8E-07	4.9625E-12	1.7227E-11	3.04854E-12	3.5276E-12
394	571110.6	4178399	0.55, 41783	4.7766	17.70794	386.44752	237.89967	91.74551	117.26543	2.6565E-08	6.19E-10	2.72E-08	2.15E-06	8.31E-09	2.16E-06	5.1E-07	3.21E-09	5.13E-07	8.39E-12	2.53E-11	1.47E-11	6.88E-12	1.66E-10	9.16E-12	1.82116E-10	2.718E-08	2.1575E-06	5.13E-07	6.97098E-12	2.41993E-11	4.28238E-12	4.95533E-12
395	571150.6	4178399	0.55, 41783	4.75682	9.04164	493.27775	194.83019	91.47407	80.27894	2.6455E-08	3.16E-10	2.68E-08	2.74E-06	6.81E-09	2.75E-06	5.09E-07	3.20E-09	5.12E-07	8.26E-12	2.49E-11	1.44E-11	6.77E-12	1.64E-10	9.02E-12	1.7935E-10	2.677E-08	2.7502E-06	5.12E-07	6.8651E-12	2.38317E-11	4.21734E-12	4.88007E-12
396	571190.6	4178399	0.55, 41783	4.13591	5.67532	541.83424	159.29594	82.25115	55.55038	2.30018E-08	1.98E-10	2.32E-08	3.01E-06	5.57E-09	3.02E-06	4.57E-07	2.87E-09	4.6E-07	7.16E-12	2.16E-11	1.25E-11	5.87E-12	1.42E-10	7.82E-12	1.55427E-10	2.32E-08	3.019E-06	4.6E-07	5.9494E-12	2.06529E-11	3.65482E-12	4.22914E-12
397	571230.6	4178399	0.55, 41783	3.34043	3.91116	419.25179	113.41297	67.92735	42.50701	1.85777E-08	1.37E-10	1.87E-08	2.33E-06	3.96E-09	2.34E-06	3.78E-07	2.37E-09	3.8E-07	5.77E-12	1.74E-11	1.01E-11	4.73E-12	1.14E-10	6.31E-12	1.25376E-10	1.871E-08	2.3356E-06	3.8E-07	4.7991E-12	1.66597E-11	2.94816E-12	3.41145E-12
398	571270.6	4178399	0.55, 41783	2.69096	2.84934	276.99568	96.24025	46.4546	32.10306	1.49657E-08	9.96E-11	1.51E-08	1.54E-06	3.36E-09	1.54E-06	2.58E-07	1.62E-09	2.6E-07	4.65E-12	1.4E-11	8.13E-12	3.81E-12	9.2E-11	5.08E-12	1.00929E-10	1.507E-08	1.5439E-06	2.6E-07	3.86332E-12	1.34112E-11	2.3733E-12	2.74625E-12
399	571310.6	4178399	0.55, 41783	2.15304	2.16763	240.01182	84.08056	39.08125	24.00367	1.19741E-08	7.58E-11	1.2E-08	1.33E-06	2.94E-09	1.34E-06	2.17E-07	1.37E-09	2.19E-07	3.72E-12	1.12E-11	6.5E-12	3.05E-12	7.36E-11	4.06E-12	8.0727E-11	1.205E-08	1.3378E-06	2.19E-07	3.09004E-12	1.07269E-11	1.89826E-12	2.19656E-12
400	571350.6	4178399	0.55, 41783	1.74135	1.70512	224.12525	73.73672	31.06226	18.34101	9.68449E-09	5.96E-11	9.74E-09	1.25E-06	2.58E-09	1.25E-06	1.73E-07	1.09E-09	1.74E-07	3.01E-12	9.08E-12	5.26E-12	2.46E-12	5.95E-11	3.28E-12	6.52797E-11	9.744E-09	1.249E-06	1.74E-07	2.49876E-12	8.67425E-12	1.53503E-12	1.77624E-12
401	571390.6	4178399	0.55, 41783	1.43215	1.37481	207.21833	64.01827	26.21992	15.02288	7.96488E-09	4.80E-11	8.01E-09	1.15E-06	2.24E-09	1.15E-06	1.46E-07	9.16E-10	1.47E-07	2.47E-12	7.47E-12	4.32E-12	2.03E-12	4.9E-11	2.7E-12	5.36819E-11	8.013E-09	1.1547E-06	1.47E-07	2.05482E-12	7.13316E-12	1.26231E-12	1.46067E-12
402	571430.6	4178399	0.55, 41783	1.19016	1.12906	179.9524	59.14274	22.49405	12.88734	6.61905E-09	3.95E-11	6.66E-09	1E-06	2.07E-09	1E-06	1.25E-07	7.86E-10	1.26E-07	2.05E-12	6.2E-12	3.59E-12	1.68E-12	4.07E-11	2.24E-12	4.46082E-11	6.659E-09	1.0029E-06	1.26E-07	1.7075E-12	5.92746E-12	1.04894E-12	1.21378E-12
403	571470.6	4178399	0.55, 41783	0.9966	0.93995	146.8642	55.47011	18.35802	11.23121	5.54257E-09	3.28E-11	5.58E-09	8.17E-07	1.94E-09	8.19E-07	1.02E-07	6.42E-10	1.03E-07	1.72E-12	5.19E-12	3.01E-12	1.41E-12	3.41E-11	1.88E-12	3.73521E-11	5.575E-09	8.1872E-07	1.03E-07	1.42975E-12	4.96328E-12	8.7832E-13	1.01634E-12
404	571510.6	4178399	0.55, 41783	0.8441	0.79417	113.63796	52.27286	14.20474	9.85599	4.69445E-09	2.78E-11	4.72E-09	6.32E-07	1.83E-09	6.34E-07	7.9E-08	4.96E-10	7.95E-08	1.46E-12	4.4E-12	2.55E-12	1.19E-12	2.89E-11	1.59E-12	3.1636E-11	4.722E-09	6.3382E-07	7.95E-08	1.21095E-12	4.20374E-12	7.43909E-13	8.60808E-13
405	571550.6	4178399	0.55, 41783	0.71988	0.67749	84.04695	49.45688	12.59546	8.65245	4.0036E-09	2.37E-11	4.03E-09	4.67E-07	1.73E-09	4.69E-07	7E-08	4.40E-10	7.05E-08	1.24E-12	3.75E-12	2.17E-12	1.02E-12	2.46E-11	1.36E-12	2.69804E-11	4.027E-09	4.6915E-07	7.05E-08	1.03275E-12	3.58511E-12	6.34434E-13	7.34131E-13
406	571590.6	4178399	0.55, 41783	0.61846	0.58359	61.25343	46.95039	11.31778	7.65227	3.43955E-09	2.04E-11	3.46E-09	3.41E-07	1.64E-09	3.42E-07	6.29E-08	3.96E-10	6.33E-08	1.07E-12	3.22E-12	1.87E-12	8.75E-13	2.11E-11	1.17E-12	2.31797E-11	3.46E-09	3.423E-07	6.33E-08	8.87264E-13	3.08007E-12	5.45061E-13	6.30713E-13
407	570310.6	4178439	0.55, 41784	0.11265	0.08111	78.47962	27.91467	13.07994	3.48933	6.26501E-10	2.83E-12	6.29E-10	4.36E-07	9.76E-10	4.37E-07	7.27E-08	4.57E-10	7.32E-08	1.94E-13	5.86E-13	3.39E-13	1.59E-13	3.84E-12	2.12E-13	4.21618E-12	6.293E-10	4.3744E-07	7.32E-08	1.61386E-13	5.60239E-13	9.91419E-14	1.14721E-13
408	570350.6	4178439	0.55, 41784	0.12585	0.09139	84.54471	29.62734	14.09078	3.70342	6.99913E-10	3.19E-12	7.03E-10	4.7E-07	1.04E-09	4.71E-07	7.84E-08	4.92E-10	7.89E-08	2.17E-13	6.55E-13	3.79E-13	1.78E-13	4.3E-12	2.37E-13	4.7104E-12	7.031E-10	4.7123E-07	7.89E-08	1.80303E-13	6.25911E-13	1.10763E-13	1.28169E-13
409	570390.6	4178439	0.55, 41784	0.14252	0.10489	91.50908	31.67143	15.25151	4.06451	7.92622E-10	3.67E-12	7.96E-10	5.09E-07	1.11E-09	5.1E-07	8.48E-08	5.33E-10	8.54E-08	2.46E-13	7.42E-13	4.29E-13	2.01E-13	4.86E-12	2.68E-13	5.33467E-12	7.963E-10	5.1003E-07	8.54E-08	2.04199E-13	7.08862E-13	1.25443E-13	1.45155E-13
410	570430.6	4178439	0.55, 41784	0.16313	0.12204	99.54775	33.93845	16.59129	4.47421	9.07245E-10	4.27E-12	9.12E-10	5.54E-07	1.19E-09	5.55E-07	9.23E-08	5.80E-10	9.29E-08	2.81E-13	8.49E-13	4.92E-13	2.31E-13	5.57E-12	3.07E-13	6.10659E-12	9.115E-10	5.5482E-07	9.29E-08	2.33746E-13	8.11433E-13	1.43594E-13	1.66159E-13
411	570470.6	4178439	0.55, 41784	0.18858	0.14267	108.92524	36.54882	18.15421	4.93599	1.04878E-09	4.99E-12	1.05E-09	6.06E-07	1.28E-09	6.07E-07	1.01E-07	6.34E-10	1.02E-07	3.25E-13	9.82E-13	5.68E-13	2.67E-13	6.44E-12	3.55E-13	7.05965E-12	1.054E-09	6.0706E-07	1.02E-07	2.70227E-13	9.38074E-13	1.66005E-13	1.92091E-13
412	570510.6	4178439	0.55, 41784	0.22167	0.16966	120.34611	39.98702	20.05769	5.68986	1.23281E-09	5.93E-12	1.24E-09	6.69E-07	1.40E-09	6.71E-07	1.12E-07	7.01E-10	1.12E-07	3.82E-13	1.15E-12	6.68E-13	3.13E-13	7.57E-12	4.17E-13	8.29866E-12	1.239E-09	6.707E-07	1.12E-07	3.17661E-13	1.10274E-12	1.95144E-13	2.2581E-13
413	570550.6	4178439	0.55, 41784	0.2658	0.20594	134.27176	44.24032	22.37863	6.83821	1.47824E-09	7.20E-12	1.49E-09	7.47E-07	1.55E-09	7.48E-07	1.24E-07	7.82E-10	1.25E-07	4.58E-13	1.38E-12	8.01E-13	3.76E-13	9.08E-12	5.01E-13	9.95158E-12	1.485E-09	7.483E-07	1.25E-07	3.80924E-13	1.32235E-12	2.34008E-13	2.7078E-13
414	570590.6	4178439	0.55, 41784	0.3272	0.25654	151.91315	49.32778	25.31886	8.30482	1.81972E-09	8.97E-12	1.83E-09	8.45E-07	1.72E-09	8.47E-07	1.41E-07	8.85E-10	1.42E-07	5.64E-13	1.7E-12	9.86E-13	4.63E-13	1.12E-11	6.16E-13	1.22511E-11	1.829E-09	8.4659E-07	1.42E-07	4.68944E-13	1.62791E-12	2.8808E-13	3.3335E-13
415	570630.6	4178439	0.55, 41784	0.41735	0.33056	175.42083	55.6235	29.2368	10.21264	2.32108E-09	1.16E-11	2.33E-09	9.76E-07	1.94E-09	9.78E-07	1.63E-07	1.02E-09	1.64E-07	7.2E-13	2.17E-12	1.26E-12	5.9E-13	1.43E-11	7.86E-13	1.56273E-11	2.333E-09	9.7754E-07	1.64E-07	5.98178E-13	2.07653E-12	3.6747E-13	4.25216E-13
416	570670.6	4178439	0.55, 41784	0.56024	0.44648	208.37177	63.80907	34.72863	12.75328	3.11576E-09	1.56E-11	3.13E-09	1.16E-06	2.22E-09	1.16E-06	1.93E-07	1.21E-09	1.94E-07	9.66E-13	2.92E-12	1.69E-12	7.92E-13	1.91E-11	1.06E-12	2.09783E-11	3.131E-09	1.1611E-06	1.94E-07	8.03003E-13	2.78757E-12	4.93298E-13	5.70816E-13
417	570710.6	4178439	0.55, 41784	0.81434	0.64609	258.28683	75.2647	43.04781	16.40047	4.52894E-09	2.26E-11	4.55E-09	1.44E-06	2.63E-09	1.44E-06	2.39E-07	1.50E-09	2.41E-07	1.4E-12	4.24E-12	2.45E-12	1.15E-12	2.78E-11	1.53E-12	3.04925E-11	4.552E-09	1.4391E-06	2.41E-07	1.16718E-12	4.05179E-12	7.1702E-13	8.29694E-13
418	570750.6	4178439	0.55, 41784	1.35572	1.03003	343.9155	93.10334	57.16949	22.25077	7.53981E-09	3.60E-11	7.58E-09	1.91E-06	3.25E-09	1.92E-06	3.18E-07	2.00E-09	3.2E-07	2.34E-12	7.06E-12	4.09E-12	1.92E-12	4.63E-11	2.55E-12	5.07535E-11	7.576E-09	1.9159E-06	3.2E-07	1.94273E-12	6.74404E-12	1.19345E-12	1.38099E-12
419	570790.6	4178439	0.55, 41784	3.18264	2.0617	571.47263	129.70009	95.66015	38.79176	1.77002E-08	7.21E-11	1.78E-08	3.18E-06	4.53E-09	3.18E-06	5.32E-07	3.34E-09	5.35E-07	5.48E-12	1.66E-11	9.59E-12	4.5E-12	1.09E-10	5.99E-12	1.19064E-10	1.777E-08	3.1828E-06	5.35E-07	4.55749E-12	1.5821E-11	2.79974E-12	3.2397E-12
420	571070.6	4178439	0.55, 41784	4.74443	12.25677	251.71558	235.3671	48.15254	87.29167	2.63861E-08	4.28E-10	2.68E-08	1.4E-06	8.23E-09	1.41E-06	2.68E-07	1.68E-09	2.69E-07	8.27E-12	2.5E-11	1.45E-11	6.78E-12	1.64E-10	9.04E-12	1.79641E-10	2.681E-08	1.4081E-06	2.69E-07	6.87624E-12	2.38704E-11	4.22419E-12	4.88799E-12
421	571110.6	4178439	0.55, 41784	3.89854	10.39914	292.37938	213.76959	54.55193	96.69541	2.16817E-08	3.63E-10	2.2E-08	1.63E-06	7.47E-09	1.63E-06	3.03E-07	1.91E-09	3.05E-07	6.8E-12	2.05E-11	1.19E-11	5.58E-12	1.35E-10	7.43E-12	1.47689E-10	2.205E-08	1.6335E-06	3.05E-07	5.65321E-12	1.96247E-11	3.47286E-12	4.01859E-12
422	571150.6	4178439	0.55, 41784	3.24566	6.14355	299.25996	151.74182	53.26943	58.88405	1.80507E-08	2.15E-10	1.83E-08	1.66E-06	5.30E-09	1.67E-06	2.96E-07	1.86E-09	2.98E-07	5.64E-12	1.7E-11	9.85E-12	4.62E-12	1.12E-10	6.16E-12	1.22367E-10	1.827E-08	1.6696E-06	2.98E-07	4.68395E-12	1.626E-11	2.87742E-12	3.32959E-12
423	571190.6	4178439	0.55, 41784	2.68652	4.20662	319.22111	114.25705	45.60302	42.68486	1.4941E-08	1.47E-10	1.51E-08	1.78E-06	3.99E-09	1.78E-06	2.54E-07	1.59E-09	2.55E-07	4.66E-12	1.41E-11	8.14E-12	3.82E-12	9.22E-11	5.09E-12	1.01081E-10	1.509E-08	1.7793E-06	2.55E-07	3.86915E-12	1.34315E-11	2.37688E-12	2.75039E-12
424	571230.6	4178439	0.55, 41784	2.2851	3.10379	355.31137	114.374	48.25343	33.87475	1.27085E-08	1.08E-10	1.28E-08	1.98E-06	4.00E-09	1.98E-06	2.68E-07	1.69E-09	2.7E-07	3.96E-12	1.19E-11	6.91E-12	3.24E-12	7.83E-11	4.32E-12	8.58666E-11	1.282E-08	1.9801E-06	2.7E-07	3.28677E-12	1.14098E-11	2.01912E-12	2.33641E-12
425	571270.6	4178439	0.55, 41784	1.91581	2.39067	281.61312	92.35093	43.32371	28.45229	1.06547E-08	8.35E-11	1.07E-08	1.57E-06	3.23E-09	1.57E-06	2.41E-07	1.51E-09	2.42E-07	3.31E-12	1E-11	5.79E-12	2.72E-12	6.56E-11	3.62E-12	7.19403E-11	1.074E-08	1.5694E-06	2.42E-07	2.75371E-12	9.55931E-12	1.69165E-12	1.95748E-12
426	571310.6	4178439	0.55, 41784	1.62017	1.88774	249.98498	75.512	38.72011	23.46838	9.01055E-09	6.60E-11	9.08E-09	1.39E-06	2.64E-09	1.39E-06	2.15E-07	1.35E-09	2.17E-07	2.8E-12	8.46E-12	4.9E-12	2.3E-12	5.55E-11	3.06E-12	6.08074E-11	9.077E-09	1.3929E-06	2.17E-07	2.32757E-12	8.07999E-12	1.42986E-12	1.65456E-12
427	571350.6	4178439	0.55, 41784	1.36969	1.52492	207.90528	71.02603	31.99215	18.96422	7.61751E-09	5.33E-11	7.67E-09	1.16E-06	2.48E-09	1.16E-06	1.78E-07	1.12E-09	1.79E-07	2.37E-12	7.15E-12	4.14E-12	1.94E-12	4.69E-11	2.59E-12	5.13899E-11	7.671E-09	1.1587E-06	1.79E-07	1.96709E-12	6.8286E-12	1.20841E-12	1.39831E-12
428	571390.6	4178439	0.55, 41784	1.16602	1.25794	137.82846	66.02867	21.56098	15.29437	6.4848E-09	4.40E-11	6.53E-09	7.67E-07	2.31E-09	7.69E-07	1.2E-07	7.54E-10	1.21E-07	2.01E-12	6.08E-12	3.52E-12	1.65E-12	3.99E-11	2.2E-12	4.37389E-11	6.529E-09	7.6884E-07	1.21E-07	1.67422E-12	5.81195E-12	1.0285E-12	1.19013E-12
429	571430.6	4178439	0.55, 41784	1.00225	1.05165	150.81052	60.59063	19.07395	12.70811	5.574E-09	3.68E-11	5.61E-09	8.39E-07	2.12E-09	8.41E-07	1.06E-07	6.67E-10	1.07E-07	1.73E-12	5.23E-12	3.03E-12	1.42E-12	3.43E-11	1.89E-12	3.75888E-11	5.611E-09	8.4085E-07	1.07E-07	1.43881E-12	4.99473E-12	8.83885E-13	1.02278E-12
430	571470.6	4178439	0.55, 41784	0.86528	0.88825	153.64691	54.59461	19.20586	10.6849	4.81224E-09	3.10E-11	4.84E-09	8.55E-07	1.91E-09	8.56E-07	1.07E-07	6.71E-10	1.07E-07	1.49E-12	4.51E-12	2.61E-12	1.22E-12	2.96E-11	1.63E-12	3.24472E-11	4.843E-09	8.5641E-07	1.07E-07	1.242E-12	4.31153E-12	7.62983E-13	8.8288E-13
431	571510.6	4178439	0.55, 41784	0.75493	0.76151	144.52703	49.13224	18.06588	9.74189	4.19853E-09	2.66E-11	4.23E-09	8.04E-07	1.72E-09	8.06E-07	1E-07	6.31E-10	1.01E-07	1.3E-12	3.94E-12	2.28E-12	1.07E-12	2.58E-11	1.42E-12	2.8306E-11	4.225E-09	8.055E-07	1.01E-07	1.08349E-12	3.76125E-12	6.65605E-13	7.702E-13
432	571550.6	4178439	0.55, 41784	0.65913	0.65716	127.58758	46.59598	15.94845	8.8858	3.66574E-09	2.30E-11	3.69E-09	7.1E-07	1.63E-09	7.11E-07	8.87E-08	5.57E-10	8.93E-08	1.14E-12	3.44E-12	1.99E-12	9.33E-13	2.25E-11	1.24E-12	2.47122E-11	3.689E-09	7.112E-07	8.93E-08	9.45926E-13	3.28371E-12	5.81098E-13	6.72413E-13
433	571590.6	4178439	0.55, 41784	0.57626	0.57045	106.82976	44.35137	13.35372	8.08009	3.20486E-09	1.99E-11	3.22E-09	5.94E-07	1.55E-09	5.96E-07	7.43E-08	4.67E-10	7.47E-08	9.95E-13	3E-12	1.74E-12	8.16E-13	1.97E-11	1.09E-12	2.16043E-11	3.225E-09	5.9568E-07	7.47E-08	8.26961E-13	2.87074E-12	5.08016E-13	5.87847E-13
434	570310.6	4178479	0.55, 41784	0.1113	0.08183	74.58423	29.47815	11.80727	4.00274	6.18993E-10	2.86E-12	6.22E-10	4.15E-07	1.03E-09	4.16E-07	6.57E-08	4.13E-10	6.61E-08	1.92E-13	5.79E-13	3.35E-13	1.57E-13	3.8E-12	2.1E-13	4.16605E-12	6.219E-10	4.1583E-07	6.61E-08	1.59467E-13	5.53578E-13	9.79631E-14	1.13357E-13
435	570350.6	4178479	0.55, 41784	0.12561	0.09388	80.0812	31.76761	12.83362	4.33491	6.98578E-10	3.28E-12	7.02E-10	4.45E-07	1.11E-09	4.46E-07	7.14E-08	4.49E-10	7.18E-08	2.17E-13	6.54E-13	3.79E-13	1.78E-13	4.29E-12	2.37E-13	4.70205E-12	7.019E-10	4.4648E-07	7.18E-08	1.79983E-13	6.248E-13	1.10567E-13	1.27942E-13
436	570390.6	4178479	0.55, 41784	0.14146	0.10678	86.10528	34.01158	14.01299	4.67053	7.86727E-10	3.73E-12	7.9E-10	4.79E-07	1.19E-09	4.8E-07	7.79E-08	4.90E-10	7.84E-08	2.44E-13	7.36E-13	4.26E-13	2E-13	4.83E-12	2.66E-13	5.29562E-12	7.905E-10	4.8006E-07	7.84E-08	2.02704E-13	7.03672E-13	1.24524E-13	1.44092E-13
437	570430.6	4178479	0.55, 41784	0.16075	0.12266	93.00088	36.36689	15.32204	5.02469	8.94008E-10	4.29E-12	8.98E-10	5.17E-07	1.27E-09	5.18E-07	8.52E-08	5.35E-10	8.57E-08	2.77E-13	8.37E-13	4.85E-13	2.27E-13	5.49E-12	3.03E-13	6.01805E-12	8.983E-10	5.1849E-07	8.57E-08	2.30357E-13	7.99669E-13	1.41512E-13	1.6375E-13
438	570470.6	4178479	0.55, 41784	0.18644	0.14379	101.96042	39.51551	16.93263	5.48718	1.03688E-09	5.03E-12	1.04E-09	5.67E-07	1.38E-09	5.68E-07	9.42E-08	5.92E-10	9.48E-08	3.22E-13	9.71E-13	5.62E-13	2.64E-13	6.37E-12	3.51E-13	6.98018E-12	1.042E-09	5.6843E-07	9.48E-08	2.67185E-13	9.27514E-13	1.64136E-13	1.89929E-13
439	570510.6	4178479	0.55, 41784	0.22079	0.17209	113.44919	43.50567	18.9082	6.17272	1.22792E-09	6.01E-12	1.23E-09	6.31E-07	1.52E-09	6.32E-07	1.05E-07	6.61E-10	1.06E-07	3.81E-13	1.15E-12	6.66E-13	3.12E-13	7.54E-12	4.16E-13	8.26664E-12	1.234E-09	6.3247E-07	1.06E-07	3.16428E-13	1.09846E-12	1.94387E-13	2.24933E-13
440	570550.6	4178479	0.55, 41784	0.2667	0.21004	127.7059	48.20733	21.28432	7.34053	1.48325E-09	7.34E-12	1.49E-09	7.1E-07	1.68E-09	7.12E-07	1.18E-07	7.44E-10	1.19E-07	4.6E-13	1.39E-12	8.04E-13	3.77E-13	9.11E-12	5.02E-13	9.98607E-12	1.491E-09	7.1192E-07	1.19E-07	3.82244E-13	1.32693E-12	2.34819E-13	2.71719E-13
441	570590.6	4178479	0.55, 41784	0.32931	0.26248	144.67878	53.44745	24.11313	8.81975	1.83145E-09	9.17E-12	1.84E-09	8.05E-07	1.87E-09	8.06E-07	1.34E-07	8.43E-10	1.35E-07	5.68E-13	1.71E-12	9.93E-13	4.66E-13	1.12E-11	6.2E-13	1.23311E-11	1.841E-09	8.065E-07	1.35E-07	4.72007E-13	1.63854E-12	2.89961E-13	3.35527E-13
442	570630.6	4178479	0.55, 41784	0.42133	0.33962	165.95931	60.05375	27.65989	10.77683	2.34322E-09	1.19E-11	2.36E-09	9.23E-07	2.10E-09	9.25E-07	1.54E-07	9.67E-10	1.55E-07	7.27E-13	2.19E-12	1.27E-12	5.96E-13	1.44E-11	7.94E-13	1.57777E-11	2.355E-09	9.2508E-07	1.55E-07	6.03935E-13	2.09652E-12	3.71007E-13	4.29308E-13
443	570670.6	4178479	0.55, 41784	0.56746	0.46145	193.36004	69.0612	32.22667	13.5092	3.15592E-09	1.61E-11	3.17E-09	1.08E-06	2.41E-09	1.08E-06	1.79E-07	1.13E-09	1.8E-07	9.79E-13	2.96E-12	1.71E-12	8.02E-13	1.94E-11	1.07E-12	2.12509E-11	3.172E-09	1.0778E-06	1.8E-07	8.13434E-13	2.82378E-12	4.99706E-13	5.78231E-13
444	570710.6	4178479	0.55, 41784	0.83023	0.67528	236.53606	81.84268	39.07222	17.68943	4.61731E-09	2.36E-11	4.64E-09	1.32E-06	2.86E-09	1.32E-06	2.17E-07	1.37E-09	2.19E-07	1.43E-12	4.32E-12	2.5E-12	1.17E-12	2.84E-11	1.56E-12	3.10914E-11	4.641E-09	1.3184E-06	2.19E-07	1.19011E-12	4.13137E-12	7.31102E-13	8.4599E-13
445	570750.6	4178479	0.55, 41784	1.42426	1.12918	342.03514	102.90165	49.67165	25.1054	7.921E-09	3.95E-11	7.96E-09	1.9E-06	3.60E-09	1.91E-06	2.76E-07	1.74E-09	2.78E-07	2.46E-12	7.42E-12	4.29E-12	2.01E-12	4.86E-11	2.68E-12	5.33305E-11	7.96E-09	1.9058E-06	2.78E-07	2.04137E-12	7.08646E-12	1.25404E-12	1.45111E-12
446	570790.6	4178479	0.55, 41784	3.63047	2.75084	596.75244	187.47347	107.7468	51.23422	2.01908E-08	9.61E-11	2.03E-08	3.32E-06	6.55E-09	3.33E-06	5.99E-07	3.77E-09	6.03E-07	6.26E-12	1.89E-11	1.09E-11	5.13E-12	1.24E-10	6.84E-12	1.35911E-10	2.029E-08	3.3254E-06	6.03E-07	5.20235E-12	1.80596E-11	3.19589E-12	3.6981E-12
447	571030.6	4178479	0.55, 41784	9.40071	15.68167	333.68631	267.08575	81.11776	110.69164	5.22819E-08	5.48E-10	5.28E-08	1.86E-06	9.33E-09	1.87E-06	4.51E-07	2.83E-09	4.54E-07	1.63E-11	4.92E-11	2.85E-11	1.34E-11	3.23E-10	1.78E-11	3.5393E-10	5.283E-08	1.8651E-06	4.54E-07	1.35476E-11	4.70296E-11	8.32252E-12	9.63035E-12
448	571070.6	4178479	0.55, 41784	5.59712	9.0131	216.22006	204.77885	54.58514	76.29745	3.11283E-08	3.15E-10	3.14E-08	1.2E-06	7.16E-09	1.21E-06	3.04E-07	1.91E-09	3.05E-07	9.7E-12	2.93E-11	1.7E-11	7.95E-12	1.92E-10	1.06E-11	2.10652E-10	3.144E-08	1.2097E-06	3.05E-07	8.06326E-12	2.7991E-11	4.95339E-12	5.73178E-12
449	571110.6	4178479	0.55, 41784	3.86033	5.8724	232.77263	158.88759	40.87392	60.11848	2.14692E-08	2.05E-10	2.17E-08	1.29E-06	5.55E-09	1.3E-06	2.27E-07	1.43E-09	2.29E-07	6.69E-12	2.02E-11	1.17E-11	5.48E-12	1.32E-10	7.3E-12	1.45206E-10	2.167E-08	1.3001E-06	2.29E-07	5.55814E-12	1.92947E-11	3.41446E-12	3.95102E-12
450	571150.6	4178479	0.55, 41784	2.87873	4.17215	243.47288	131.88403	36.94401	47.80365	1.601E-08	1.46E-10	1.62E-08	1.35E-06	4.61E-09	1.36E-06	2.05E-07	1.29E-09	2.07E-07	4.99E-12	1.51E-11	8.71E-12	4.09E-12	9.87E-11	5.45E-12	1.08235E-10	1.616E-08	1.3587E-06	2.07E-07	4.14297E-12	1.4382E-11	2.54509E-12	2.94504E-12
451	571190.6	4178479	0.55, 41784	2.25924	3.11768	272.99859	103.34976	40.61499	35.56429	1.25647E-08	1.09E-10	1.27E-08	1.52E-06	3.61E-09	1.52E-06	2.26E-07	1.42E-09	2.27E-07	3.91E-12	1.18E-11	6.84E-12	3.21E-12	7.74E-11	4.27E-12	8.49063E-11	1.267E-08	1.5219E-06	2.27E-07	3.25002E-12	1.12822E-11	1.99654E-12	2.31028E-12
452	571230.6	4178479	0.55, 41784	1.86428	2.43731	228.60917	88.43023	34.9281	28.65964	1.03682E-08	8.52E-11	1.05E-08	1.27E-06	3.09E-09	1.27E-06	1.94E-07	1.22E-09	1.95E-07	3.23E-12	9.74E-12	5.64E-12	2.64E-12	6.39E-11	3.52E-12	7.00313E-11	1.045E-08	1.2745E-06	1.95E-07	2.68064E-12	9.30564E-12	1.64676E-12	1.90554E-12
453	571270.6	4178479	0.55, 41784	1.58233	1.95726	275.18297	89.4878	39.56066	24.38596	8.8001E-09	6.84E-11	8.87E-09	1.53E-06	3.13E-09	1.53E-06	2.2E-07	1.38E-09	2.21E-07	2.74E-12	8.26E-12	4.78E-12	2.24E-12	5.42E-11	2.99E-12	5.94138E-11	8.869E-09	1.5336E-06	2.21E-07	2.27422E-12	7.89481E-12	1.39709E-12	1.61664E-12
454	571310.6	4178479	0.55, 41784	1.35793	1.6065	222.77943	77.47813	32.82803	21.05024	7.5521E-09	5.61E-11	7.61E-09	1.24E-06	2.71E-09	1.24E-06	1.83E-07	1.15E-09	1.84E-07	2.35E-12	7.09E-12	4.1E-12	1.92E-12	4.65E-11	2.56E-12	5.09708E-11	7.608E-09	1.2417E-06	1.84E-07	1.95105E-12	6.77292E-12	1.19856E-12	1.3869E-12
455	571350.6	4178479	0.55, 41784	1.1642	1.33076	210.30644	64.61424	30.9494	18.13628	6.47468E-09	4.65E-11	6.52E-09	1.17E-06	2.26E-09	1.17E-06	1.72E-07	1.08E-09	1.73E-07	2.01E-12	6.08E-12	3.52E-12	1.65E-12	3.98E-11	2.2E-12	4.36882E-11	6.521E-09	1.1719E-06	1.73E-07	1.67228E-12	5.80521E-12	1.02731E-12	1.18874E-12
456	571390.6	4178479	0.55, 41784	1.001	1.11694	187.8278	60.73144	27.7002	15.35336	5.56704E-09	3.90E-11	5.61E-09	1.04E-06	2.12E-09	1.05E-06	1.54E-07	9.68E-10	1.55E-07	1.73E-12	5.22E-12	3.02E-12	1.42E-12	3.43E-11	1.89E-12	3.75575E-11	5.606E-09	1.0467E-06	1.55E-07	1.43761E-12	4.99057E-12	8.83149E-13	1.02193E-12
457	571430.6	4178479	0.55, 41784	0.8626	0.94616	141.00765	57.76687	20.99683	12.7525	4.79733E-09	3.31E-11	4.83E-09	7.84E-07	2.02E-09	7.86E-07	1.17E-07	7.34E-10	1.18E-07	1.49E-12	4.5E-12	2.61E-12	1.22E-12	2.95E-11	1.63E-12	3.23609E-11	4.83E-09	7.8623E-07	1.18E-07	1.2387E-12	4.30006E-12	7.60954E-13	8.80532E-13
458	571470.6	4178479	0.55, 41784	0.75511	0.81334	85.41876	54.87579	13.60469	11.10539	4.19953E-09	2.84E-11	4.23E-09	4.75E-07	1.92E-09	4.77E-07	7.57E-08	4.75E-10	7.61E-08	1.3E-12	3.94E-12	2.28E-12	1.07E-12	2.58E-11	1.42E-12	2.83248E-11	4.228E-09	4.7697E-07	7.61E-08	1.08421E-12	3.76376E-12	6.66048E-13	7.70712E-13
459	571510.6	4178479	0.55, 41784	0.666	0.70453	104.54177	51.61661	13.06772	9.4895	3.70395E-09	2.46E-11	3.73E-09	5.81E-07	1.80E-09	5.83E-07	7.27E-08	4.57E-10	7.31E-08	1.15E-12	3.47E-12	2.01E-12	9.43E-13	2.28E-11	1.26E-12	2.49792E-11	3.729E-09	5.8321E-07	7.31E-08	9.56148E-13	3.3192E-12	5.87377E-13	6.79679E-13
460	571550.6	4178479	0.55, 41784	0.58993	0.61436	114.23468	47.78612	14.27934	8.47335	3.28089E-09	2.15E-11	3.3E-09	6.35E-07	1.67E-09	6.37E-07	7.94E-08	4.99E-10	7.99E-08	1.02E-12	3.08E-12	1.78E-12	8.35E-13	2.02E-11	1.11E-12	2.21239E-11	3.302E-09	6.3698E-07	7.99E-08	8.46851E-13	2.93978E-12	5.20234E-13	6.01985E-13
461	571590.6	4178479	0.55, 41784	0.5248	0.5396	114.71837	43.31659	14.3398	7.89274	2.91867E-09	1.89E-11	2.94E-09	6.38E-07	1.51E-09	6.4E-07	7.98E-08	5.01E-10	8.03E-08	9.06E-13	2.74E-12	1.58E-12	7.43E-13	1.79E-11	9.9E-13	1.96797E-11	2.938E-09	6.3952E-07	8.03E-08	7.53294E-13	2.61501E-12	4.62761E-13	5.3548E-13
462	570310.6	4178519	0.55, 41785	0.10968	0.08323	75.92481	30.95134	12.65413	4.31611	6.09983E-10	2.91E-12	6.13E-10	4.22E-07	1.08E-09	4.23E-07	7.04E-08	4.42E-10	7.08E-08	1.89E-13	5.71E-13	3.31E-13	1.55E-13	3.74E-12	2.07E-13	4.10602E-12	6.129E-10	4.2334E-07	7.08E-08	1.57169E-13	5.45601E-13	9.65515E-14	1.11724E-13
463	570350.6	4178519	0.55, 41785	0.12253	0.09413	80.98331	32.52203	13.49722	4.56123	6.81448E-10	3.29E-12	6.85E-10	4.5E-07	1.14E-09	4.52E-07	7.51E-08	4.72E-10	7.55E-08	2.11E-13	6.38E-13	3.69E-13	1.73E-13	4.18E-12	2.31E-13	4.58735E-12	6.847E-10	4.5152E-07	7.55E-08	1.75593E-13	6.09559E-13	1.0787E-13	1.24821E-13
464	570390.6	4178519	0.55, 41785	0.13706	0.10653	86.4192	34.09518	14.4032	4.78567	7.62257E-10	3.72E-12	7.66E-10	4.81E-07	1.19E-09	4.82E-07	8.01E-08	5.03E-10	8.06E-08	2.36E-13	7.14E-13	4.13E-13	1.94E-13	4.68E-12	2.58E-13	5.13162E-12	7.66E-10	4.8181E-07	8.06E-08	1.96427E-13	6.81881E-13	1.20668E-13	1.3963E-13
465	570430.6	4178519	0.55, 41785	0.15657	0.12308	93.48729	36.56809	15.58121	5.11226	8.70761E-10	4.30E-12	8.75E-10	5.2E-07	1.28E-09	5.21E-07	8.67E-08	5.45E-10	8.72E-08	2.7E-13	8.15E-13	4.72E-13	2.21E-13	5.35E-12	2.95E-13	5.86241E-12	8.751E-10	5.2121E-07	8.72E-08	2.244E-13	7.78987E-13	1.37852E-13	1.59515E-13
466	570470.6	4178519	0.55, 41785	0.18113	0.14422	101.65142	39.2669	16.9419	5.47129	1.00735E-09	5.04E-12	1.01E-09	5.65E-07	1.37E-09	5.67E-07	9.42E-08	5.92E-10	9.48E-08	3.12E-13	9.43E-13	5.46E-13	2.56E-13	6.19E-12	3.41E-13	6.78243E-12	1.012E-09	5.667E-07	9.48E-08	2.59616E-13	9.01238E-13	1.59486E-13	1.84548E-13
467	570510.6	4178519	0.55, 41785	0.21556	0.17373	112.42418	43.21366	18.73736	6.23491	1.19883E-09	6.07E-12	1.2E-09	6.25E-07	1.51E-09	6.27E-07	1.04E-07	6.55E-10	1.05E-07	3.72E-13	1.12E-12	6.5E-13	3.05E-13	7.36E-12	4.06E-13	8.07216E-12	1.205E-09	6.2676E-07	1.05E-07	3.08984E-13	1.07262E-12	1.89814E-13	2.19642E-13
468	570550.6	4178519	0.55, 41785	0.26244	0.21401	127.39838	48.06291	20.89373	7.26318	1.45956E-09	7.48E-12	1.47E-09	7.09E-07	1.68E-09	7.1E-07	1.16E-07	7.30E-10	1.17E-07	4.53E-13	1.37E-12	7.91E-13	3.71E-13	8.96E-12	4.94E-13	9.82828E-12	1.467E-09	7.102E-07	1.17E-07	3.76204E-13	1.30597E-12	2.31108E-13	2.67425E-13
469	570590.6	4178519	0.55, 41785	0.32438	0.26815	146.74921	52.55391	23.05175	8.49659	1.80403E-09	9.37E-12	1.81E-09	8.16E-07	1.84E-09	8.18E-07	1.28E-07	8.06E-10	1.29E-07	5.6E-13	1.69E-12	9.78E-13	4.59E-13	1.11E-11	6.11E-13	1.21488E-11	1.813E-09	8.1798E-07	1.29E-07	4.65027E-13	1.61431E-12	2.85673E-13	3.30565E-13
470	570630.6	4178519	0.55, 41785	0.41604	0.34788	170.82398	60.03664	25.41079	10.076	2.3138E-09	1.22E-11	2.33E-09	9.5E-07	2.10E-09	9.52E-07	1.41E-07	8.88E-10	1.42E-07	7.18E-13	2.17E-12	1.25E-12	5.88E-13	1.42E-11	7.84E-13	1.55826E-11	2.326E-09	9.5213E-07	1.42E-07	5.96465E-13	2.07058E-12	3.66418E-13	4.23998E-13
471	570670.6	4178519	0.55, 41785	0.56352	0.47347	210.6175	71.54419	27.95974	12.2085	3.13401E-09	1.65E-11	3.15E-09	1.17E-06	2.50E-09	1.17E-06	1.55E-07	9.77E-10	1.56E-07	9.72E-13	2.94E-12	1.7E-12	7.97E-13	1.92E-11	1.06E-12	2.11069E-11	3.151E-09	1.1738E-06	1.56E-07	8.07923E-13	2.80465E-12	4.9632E-13	5.74313E-13
472	570710.6	4178519	0.55, 41785	0.82936	0.69158	257.30872	94.91316	32.16359	16.3308	4.61247E-09	2.42E-11	4.64E-09	1.43E-06	3.32E-09	1.43E-06	1.79E-07	1.12E-09	1.8E-07	1.43E-12	4.32E-12	2.5E-12	1.17E-12	2.83E-11	1.56E-12	3.10628E-11	4.637E-09	1.4343E-06	1.8E-07	1.18901E-12	4.12757E-12	7.3043E-13	8.45211E-13
473	570750.6	4178519	0.55, 41785	1.36529	1.13262	327.60111	130.96882	45.80096	29.91109	7.59304E-09	3.96E-11	7.63E-09	1.82E-06	4.58E-09	1.83E-06	2.55E-07	1.60E-09	2.56E-07	2.36E-12	7.11E-12	4.12E-12	1.93E-12	4.66E-11	2.57E-12	5.11341E-11	7.633E-09	1.8265E-06	2.56E-07	1.9573E-12	6.79461E-12	1.2024E-12	1.39135E-12
474	570790.6	4178519	0.55, 41785	2.09469	1.90095	339.24086	174.34023	59.4987	49.70987	1.16496E-08	6.64E-11	1.17E-08	1.89E-06	6.09E-09	1.89E-06	3.31E-07	2.08E-09	3.33E-07	3.62E-12	1.09E-11	6.32E-12	2.96E-12	7.16E-11	3.95E-12	7.84905E-11	1.172E-08	1.8928E-06	3.33E-07	3.00444E-12	1.04297E-11	1.84567E-12	2.13571E-12
475	570990.6	4178519	0.55, 41785	30.9381	16.28557	1645.60932	278.46944	444.29015	131.46412	1.72062E-07	5.69E-10	1.73E-07	9.15E-06	9.73E-09	9.16E-06	2.47E-06	1.55E-08	2.49E-06	5.33E-11	1.61E-10	9.31E-11	4.37E-11	1.05E-09	5.82E-11	1.15653E-09	1.726E-07	9.1618E-06	2.49E-06	4.42692E-11	1.53677E-10	2.71953E-11	3.14688E-11
476	571030.6	4178519	0.55, 41785	10.39533	8.05295	575.07494	188.36146	130.51861	75.45666	5.78134E-08	2.81E-10	5.81E-08	3.2E-06	6.58E-09	3.2E-06	7.26E-07	4.56E-09	7.3E-07	1.79E-11	5.41E-11	3.13E-11	1.47E-11	3.55E-10	1.96E-11	3.89202E-10	5.809E-08	3.2049E-06	7.3E-07	1.48978E-11	5.17165E-11	9.15193E-12	1.05901E-11
477	571070.6	4178519	0.55, 41785	5.62777	5.38206	327.13066	151.27996	61.45445	56.79768	3.12987E-08	1.88E-10	3.15E-08	1.82E-06	5.29E-09	1.82E-06	3.42E-07	2.15E-09	3.44E-07	9.72E-12	2.93E-11	1.7E-11	7.96E-12	1.92E-10	1.06E-11	2.10944E-10	3.149E-08	1.8246E-06	3.44E-07	8.07443E-12	2.80298E-11	4.96025E-12	5.73972E-12
478	571110.6	4178519	0.55, 41785	3.70135	3.92679	194.51307	130.68852	41.68788	44.49195	2.0585E-08	1.37E-10	2.07E-08	1.08E-06	4.57E-09	1.09E-06	2.32E-07	1.46E-09	2.33E-07	6.39E-12	1.93E-11	1.12E-11	5.24E-12	1.27E-10	6.98E-12	1.38827E-10	2.072E-08	1.0863E-06	2.33E-07	5.31397E-12	1.84471E-11	3.26446E-12	3.77745E-12
479	571150.6	4178519	0.55, 41785	2.69329	3.00723	208.02281	103.35418	30.40761	37.50867	1.49787E-08	1.05E-10	1.51E-08	1.16E-06	3.61E-09	1.16E-06	1.69E-07	1.06E-09	1.7E-07	4.65E-12	1.41E-11	8.14E-12	3.82E-12	9.22E-11	5.08E-12	1.01053E-10	1.508E-08	1.1605E-06	1.7E-07	3.86806E-12	1.34277E-11	2.37621E-12	2.74962E-12
480	571190.6	4178519	0.55, 41785	2.08526	2.38411	205.94825	100.14217	32.90062	31.32752	1.15971E-08	8.33E-11	1.17E-08	1.15E-06	3.50E-09	1.15E-06	1.83E-07	1.15E-09	1.84E-07	3.6E-12	1.09E-11	6.3E-12	2.95E-12	7.14E-11	3.94E-12	7.82523E-11	1.168E-08	1.1489E-06	1.84E-07	2.99532E-12	1.0398E-11	1.84007E-12	2.12923E-12
481	571230.6	4178519	0.55, 41785	1.66362	1.91731	215.41751	83.66277	30.77393	25.17962	9.25219E-09	6.70E-11	9.32E-09	1.2E-06	2.92E-09	1.2E-06	1.71E-07	1.08E-09	1.72E-07	2.88E-12	8.68E-12	5.03E-12	2.36E-12	5.69E-11	3.14E-12	6.24332E-11	9.319E-09	1.201E-06	1.72E-07	2.3898E-12	8.29602E-12	1.46809E-12	1.69879E-12
482	571270.6	4178519	0.55, 41785	1.38104	1.58176	194.90891	74.63088	31.16799	21.56574	7.68063E-09	5.53E-11	7.74E-09	1.08E-06	2.61E-09	1.09E-06	1.73E-07	1.09E-09	1.74E-07	2.39E-12	7.21E-12	4.17E-12	1.96E-12	4.73E-11	2.61E-12	5.18261E-11	7.736E-09	1.0866E-06	1.74E-07	1.98378E-12	6.88656E-12	1.21867E-12	1.41018E-12
483	571310.6	4178519	0.55, 41785	1.18628	1.33473	227.7435	74.01926	34.0231	18.88588	6.59748E-09	4.66E-11	6.64E-09	1.27E-06	2.59E-09	1.27E-06	1.89E-07	1.19E-09	1.9E-07	2.05E-12	6.19E-12	3.58E-12	1.68E-12	4.06E-11	2.24E-12	4.45118E-11	6.644E-09	1.2692E-06	1.9E-07	1.70381E-12	5.91465E-12	1.04668E-12	1.21115E-12
484	571350.6	4178519	0.55, 41785	1.02794	1.1349	186.21806	66.32591	28.09378	16.3212	5.71687E-09	3.97E-11	5.76E-09	1.04E-06	2.32E-09	1.04E-06	1.56E-07	9.82E-10	1.57E-07	1.78E-12	5.36E-12	3.1E-12	1.46E-12	3.52E-11	1.94E-12	3.85654E-11	5.757E-09	1.038E-06	1.57E-07	1.4762E-12	5.12451E-12	9.06851E-13	1.04936E-12
485	571390.6	4178519	0.55, 41785	0.88898	0.96986	165.64096	58.31983	23.55305	14.40747	4.94405E-09	3.39E-11	4.98E-09	9.21E-07	2.04E-09	9.23E-07	1.31E-07	8.23E-10	1.32E-07	1.54E-12	4.64E-12	2.68E-12	1.26E-12	3.04E-11	1.68E-12	3.33493E-11	4.978E-09	9.2325E-07	1.32E-07	1.27654E-12	4.4314E-12	7.84196E-13	9.07427E-13
486	571430.6	4178519	0.55, 41785	0.7696	0.83467	166.81635	54.79876	23.72844	12.50769	4.28012E-09	2.92E-11	4.31E-09	9.28E-07	1.92E-09	9.3E-07	1.32E-07	8.29E-10	1.33E-07	1.33E-12	4.02E-12	2.32E-12	1.09E-12	2.63E-11	1.45E-12	2.88697E-11	4.309E-09	9.2966E-07	1.33E-07	1.10507E-12	3.83616E-12	6.7886E-13	7.85538E-13
487	571470.6	4178519	0.55, 41785	0.67066	0.72494	138.40145	51.97552	19.82816	10.73341	3.72986E-09	2.53E-11	3.76E-09	7.7E-07	1.82E-09	7.72E-07	1.1E-07	6.93E-10	1.11E-07	1.16E-12	3.5E-12	2.03E-12	9.5E-13	2.29E-11	1.27E-12	2.51577E-11	3.755E-09	7.7153E-07	1.11E-07	9.62977E-13	3.34291E-12	5.91572E-13	6.84534E-13
488	571510.6	4178519	0.55, 41785	0.58987	0.63439	93.94363	49.66848	13.736	9.50533	3.28055E-09	2.22E-11	3.3E-09	5.22E-07	1.74E-09	5.24E-07	7.64E-08	4.80E-10	7.69E-08	1.02E-12	3.08E-12	1.78E-12	8.35E-13	2.02E-11	1.11E-12	2.21263E-11	3.303E-09	5.242E-07	7.69E-08	8.46945E-13	2.94011E-12	5.20292E-13	6.02052E-13
489	571550.6	4178519	0.55, 41785	0.52422	0.55926	64.7066	47.53612	9.81761	8.44297	2.91544E-09	1.95E-11	2.93E-09	3.6E-07	1.66E-09	3.62E-07	5.46E-08	3.43E-10	5.49E-08	9.06E-13	2.73E-12	1.58E-12	7.42E-13	1.79E-11	9.89E-13	1.96627E-11	2.935E-09	3.6153E-07	5.49E-08	7.52643E-13	2.61275E-12	4.62361E-13	5.35017E-13
490	571590.6	4178519	0.55, 41785	0.47148	0.49721	75.39988	45.27823	9.54319	7.49343	2.62213E-09	1.74E-11	2.64E-09	4.19E-07	1.58E-09	4.21E-07	5.31E-08	3.34E-10	5.34E-08	8.15E-13	2.46E-12	1.42E-12	6.68E-13	1.61E-11	8.9E-13	1.76831E-11	2.64E-09	4.2092E-07	5.34E-08	6.7687E-13	2.34971E-12	4.15812E-13	4.81154E-13
491	570310.6	4178559	0.55, 41785	0.10731	0.08405	76.80272	30.54078	12.80045	4.19275	5.96803E-10	2.94E-12	6E-10	4.27E-07	1.07E-09	4.28E-07	7.12E-08	4.47E-10	7.16E-08	1.85E-13	5.59E-13	3.23E-13	1.52E-13	3.66E-12	2.02E-13	4.01791E-12	5.997E-10	4.282E-07	7.16E-08	1.53796E-13	5.33893E-13	9.44796E-14	1.09326E-13
492	570350.6	4178559	0.55, 41785	0.11907	0.09438	82.9813	31.5625	13.39224	4.31782	6.62206E-10	3.30E-12	6.66E-10	4.61E-07	1.10E-09	4.63E-07	7.45E-08	4.68E-10	7.49E-08	2.05E-13	6.2E-13	3.59E-13	1.68E-13	4.07E-12	2.24E-13	4.45849E-12	6.655E-10	4.626E-07	7.49E-08	1.70661E-13	5.92437E-13	1.0484E-13	1.21314E-13
493	570390.6	4178559	0.55, 41785	0.1339	0.10748	90.55746	32.83588	14.07263	4.47793	7.44682E-10	3.76E-12	7.48E-10	5.04E-07	1.15E-09	5.05E-07	7.83E-08	4.92E-10	7.88E-08	2.31E-13	6.97E-13	4.04E-13	1.89E-13	4.57E-12	2.52E-13	5.0141E-12	7.484E-10	5.0478E-07	7.88E-08	1.91928E-13	6.66266E-13	1.17905E-13	1.36433E-13
494	570430.6	4178559	0.55, 41785	0.15297	0.12443	99.07784	34.42492	14.88754	4.68196	8.5074E-10	4.35E-12	8.55E-10	5.51E-07	1.20E-09	5.52E-07	8.28E-08	5.20E-10	8.33E-08	2.64E-13	7.97E-13	4.61E-13	2.16E-13	5.22E-12	2.88E-13	5.7286E-12	8.551E-10	5.5222E-07	8.33E-08	2.19277E-13	7.61206E-13	1.34706E-13	1.55874E-13
495	570470.6	4178559	0.55, 41785	0.17711	0.14611	108.3811	37.13833	15.68816	5.10948	9.84994E-10	5.11E-12	9.9E-10	6.03E-07	1.30E-09	6.04E-07	8.72E-08	5.48E-10	8.78E-08	3.06E-13	9.23E-13	5.34E-13	2.5E-13	6.05E-12	3.34E-13	6.6331E-12	9.901E-10	6.0406E-07	8.78E-08	2.539E-13	8.81395E-13	1.55975E-13	1.80485E-13
496	570510.6	4178559	0.55, 41785	0.21022	0.1758	119.02071	41.74654	16.67371	5.7123	1.16913E-09	6.14E-12	1.18E-09	6.62E-07	1.46E-09	6.63E-07	9.27E-08	5.83E-10	9.33E-08	3.63E-13	1.1E-12	6.34E-13	2.97E-13	7.18E-12	3.96E-13	7.87368E-12	1.175E-09	6.6339E-07	9.33E-08	3.01387E-13	1.04624E-12	1.85147E-13	2.14241E-13
497	570550.6	4178559	0.55, 41785	0.25686	0.21737	138.81712	48.97119	17.78034	6.5378	1.42852E-09	7.60E-12	1.44E-09	7.72E-07	1.71E-09	7.74E-07	9.89E-08	6.21E-10	9.95E-08	4.43E-13	1.34E-12	7.75E-13	3.63E-13	8.77E-12	4.84E-13	9.62116E-12	1.436E-09	7.7374E-07	9.95E-08	3.68276E-13	1.27844E-12	2.26238E-13	2.6179E-13
498	570590.6	4178559	0.55, 41785	0.31921	0.27311	158.95656	55.69599	19.86957	7.90259	1.77528E-09	9.54E-12	1.78E-09	8.84E-07	1.95E-09	8.86E-07	1.11E-07	6.94E-10	1.11E-07	5.51E-13	1.66E-12	9.63E-13	4.51E-13	1.09E-11	6.02E-13	1.19573E-11	1.785E-09	8.8598E-07	1.11E-07	4.57698E-13	1.58886E-12	2.81171E-13	3.25355E-13
499	570630.6	4178559	0.55, 41785	0.41072	0.35398	180.38278	65.18573	22.54785	9.64997	2.28421E-09	1.24E-11	2.3E-09	1E-06	2.28E-09	1.01E-06	1.25E-07	7.88E-10	1.26E-07	7.09E-13	2.14E-12	1.24E-12	5.81E-13	1.4E-11	7.74E-13	1.53858E-11	2.297E-09	1.0055E-06	1.26E-07	5.88932E-13	2.04444E-12	3.6179E-13	4.18643E-13
500	570670.6	4178559	0.55, 41785	0.55178	0.47716	218.05495	85.23197	27.25687	14.02323	3.06871E-09	1.67E-11	3.09E-09	1.21E-06	2.98E-09	1.22E-06	1.52E-07	9.53E-10	1.53E-07	9.52E-13	2.87E-12	1.66E-12	7.8E-13	1.89E-11	1.04E-12	2.06703E-11	3.085E-09	1.2157E-06	1.53E-07	7.91212E-13	2.74664E-12	4.86055E-13	5.62435E-13
501	570710.6	4178559	0.55, 41785	0.78132	0.6809	244.71244	105.12049	32.595	21.74638	4.3453E-09	2.38E-11	4.37E-09	1.36E-06	3.67E-09	1.36E-06	1.81E-07	1.14E-09	1.82E-07	1.35E-12	4.07E-12	2.36E-12	1.11E-12	2.67E-11	1.47E-12	2.92704E-11	4.369E-09	1.3646E-06	1.82E-07	1.1204E-12	3.8894E-12	6.88282E-13	7.9644E-13
502	570750.6	4178559	0.55, 41785	1.13763	1.02831	276.33124	124.7524	39.47589	32.46528	6.32691E-09	3.59E-11	6.36E-09	1.54E-06	4.36E-09	1.54E-06	2.2E-07	1.38E-09	2.21E-07	1.96E-12	5.93E-12	3.43E-12	1.61E-12	3.89E-11	2.14E-12	4.26274E-11	6.363E-09	1.5412E-06	2.21E-07	1.63168E-12	5.66425E-12	1.00237E-12	1.15988E-12
503	570790.6	4178559	0.55, 41785	1.48115	1.46435	285.306	157.20995	43.19026	42.97795	8.23739E-09	5.12E-11	8.29E-09	1.59E-06	5.49E-09	1.59E-06	2.4E-07	1.51E-09	2.42E-07	2.56E-12	7.72E-12	4.47E-12	2.1E-12	5.06E-11	2.79E-12	5.55286E-11	8.289E-09	1.5922E-06	2.42E-07	2.12551E-12	7.37854E-12	1.30573E-12	1.51092E-12
504	570830.6	4178559	0.55, 41785	2.67811	2.99292	342.02881	178.80856	66.23843	64.34565	1.48943E-08	1.05E-10	1.5E-08	1.9E-06	6.25E-09	1.91E-06	3.68E-07	2.31E-09	3.71E-07	4.63E-12	1.4E-11	8.09E-12	3.79E-12	9.16E-11	5.06E-12	1.00484E-10	1.5E-08	1.9084E-06	3.71E-07	3.84628E-12	1.33521E-11	2.36283E-12	2.73414E-12
505	570950.6	4178559	0.55, 41785	26.55575	12.00196	679.01352	318.67052	280.37281	116.3834	1.47689E-07	4.19E-10	1.48E-07	3.78E-06	1.11E-08	3.79E-06	1.56E-06	9.80E-09	1.57E-06	4.57E-11	1.38E-10	7.99E-11	3.75E-11	9.05E-10	4.99E-11	9.92243E-10	1.481E-07	3.7875E-06	1.57E-06	3.79808E-11	1.31848E-10	2.33322E-11	2.69987E-11
506	570990.6	4178559	0.55, 41785	10.52141	6.96087	639.29991	205.65266	133.52138	75.6432	5.85146E-08	2.43E-10	5.88E-08	3.56E-06	7.19E-09	3.56E-06	7.43E-07	4.67E-09	7.47E-07	1.81E-11	5.47E-11	3.17E-11	1.49E-11	3.59E-10	1.98E-11	3.93644E-10	5.876E-08	3.5626E-06	7.47E-07	1.50678E-11	5.23067E-11	9.25638E-12	1.0711E-11
507	571030.6	4178559	0.55, 41785	6.12086	4.69941	562.31532	143.87555	97.52112	53.65332	3.40411E-08	1.64E-10	3.42E-08	3.13E-06	5.03E-09	3.13E-06	5.42E-07	3.41E-09	5.46E-07	1.06E-11	3.19E-11	1.84E-11	8.65E-12	2.09E-10	1.15E-11	2.29156E-10	3.421E-08	3.1323E-06	5.46E-07	8.77155E-12	3.04498E-11	5.3885E-12	6.23527E-12
508	571070.6	4178559	0.55, 41785	4.00501	3.46908	291.75499	122.4909	69.10596	41.80504	2.22738E-08	1.21E-10	2.24E-08	1.62E-06	4.28E-09	1.63E-06	3.84E-07	2.42E-09	3.87E-07	6.91E-12	2.09E-11	1.21E-11	5.66E-12	1.37E-10	7.55E-12	1.50034E-10	2.24E-08	1.6269E-06	3.87E-07	5.74294E-12	1.99362E-11	3.52798E-12	4.08238E-12
509	571110.6	4178559	0.55, 41785	2.89394	2.70355	288.47324	105.99812	48.03981	36.46899	1.60946E-08	9.45E-11	1.62E-08	1.6E-06	3.70E-09	1.61E-06	2.67E-07	1.68E-09	2.69E-07	5E-12	1.51E-11	8.73E-12	4.09E-12	9.89E-11	5.46E-12	1.08457E-10	1.619E-08	1.608E-06	2.69E-07	4.1515E-12	1.44116E-11	2.55033E-12	2.9511E-12
510	571150.6	4178559	0.55, 41785	2.21115	2.17534	240.56187	97.79178	31.90722	30.3701	1.22973E-08	7.60E-11	1.24E-08	1.34E-06	3.42E-09	1.34E-06	1.77E-07	1.12E-09	1.79E-07	3.82E-12	1.15E-11	6.67E-12	3.13E-12	7.56E-11	4.17E-12	8.28939E-11	1.237E-08	1.3413E-06	1.79E-07	3.17299E-12	1.10148E-11	1.94922E-12	2.25552E-12
511	571190.6	4178559	0.55, 41785	1.76303	1.79806	177.14345	83.63267	24.55859	26.34777	9.80506E-09	6.28E-11	9.87E-09	9.85E-07	2.92E-09	9.88E-07	1.37E-07	8.58E-10	1.37E-07	3.05E-12	9.19E-12	5.32E-12	2.5E-12	6.03E-11	3.33E-12	6.61092E-11	9.868E-09	9.881E-07	1.37E-07	2.53051E-12	8.78448E-12	1.55453E-12	1.79882E-12
512	571230.6	4178559	0.55, 41785	1.44054	1.50665	192.87207	80.98435	29.09943	22.26218	8.01154E-09	5.27E-11	8.06E-09	1.07E-06	2.83E-09	1.08E-06	1.62E-07	1.02E-09	1.63E-07	2.49E-12	7.51E-12	4.35E-12	2.04E-12	4.93E-11	2.72E-12	5.40254E-11	8.064E-09	1.0755E-06	1.63E-07	2.06797E-12	7.1788E-12	1.27039E-12	1.47002E-12
513	571270.6	4178559	0.55, 41785	1.19178	1.27042	167.21575	71.42327	22.32638	19.23301	6.62806E-09	4.44E-11	6.67E-09	9.3E-07	2.50E-09	9.32E-07	1.24E-07	7.80E-10	1.25E-07	2.06E-12	6.22E-12	3.6E-12	1.69E-12	4.08E-11	2.25E-12	4.47016E-11	6.672E-09	9.3246E-07	1.25E-07	1.71108E-12	5.93988E-12	1.05114E-12	1.21632E-12

514	571310.6	4178559	0.55, 41785	1.01245	1.08581	169.23295	65.49002	26.6418	16.91234	5.63072E-09	3.79E-11	5.67E-09	9.41E-07	2.29E-09	9.43E-07	1.48E-07	9.31E-10	1.49E-07	1.75E-12	5.28E-12	3.06E-12	1.43E-12	3.46E-11	1.91E-12	3.79768E-11	5.669E-09	9.4347E-07	1.49E-07	1.45366E-12	5.04629E-12	8.9301E-13	1.03334E-12
515	571350.6	4178559	0.55, 41785	0.8838	0.94242	194.09519	63.64749	28.90026	14.99354	4.91524E-09	3.29E-11	4.95E-09	1.08E-06	2.22E-09	1.08E-06	1.61E-07	1.01E-09	1.62E-07	1.53E-12	4.61E-12	2.67E-12	1.25E-12	3.02E-11	1.67E-12	3.31499E-11	4.948E-09	1.0817E-06	1.62E-07	1.2689E-12	4.4049E-12	7.79507E-13	9.02001E-13
516	571390.6	4178559	0.55, 41785	0.78025	0.82372	158.10154	57.98385	23.81897	12.89204	4.33935E-09	2.88E-11	4.37E-09	8.79E-07	2.03E-09	8.81E-07	1.32E-07	8.32E-10	1.33E-07	1.35E-12	4.07E-12	2.36E-12	1.1E-12	2.67E-11	1.47E-12	2.9264E-11	4.368E-09	8.8131E-07	1.33E-07	1.12016E-12	3.88855E-12	6.88131E-13	7.96266E-13
517	571430.6	4178559	0.55, 41785	0.68512	0.72115	137.68904	52.2569	18.93914	11.62385	3.81028E-09	2.52E-11	3.84E-09	7.66E-07	1.83E-09	7.68E-07	1.05E-07	6.62E-10	1.06E-07	1.18E-12	3.57E-12	2.07E-12	9.7E-13	2.34E-11	1.29E-12	2.56955E-11	3.835E-09	7.6758E-07	1.06E-07	9.83566E-13	3.41438E-12	6.0422E-13	6.99169E-13
518	571470.6	4178559	0.55, 41785	0.60049	0.63425	143.56241	49.93475	19.90478	10.29716	3.33961E-09	2.22E-11	3.36E-09	7.98E-07	1.75E-09	8E-07	1.11E-07	6.96E-10	1.11E-07	1.04E-12	3.13E-12	1.81E-12	8.5E-13	2.05E-11	1.13E-12	2.2522E-11	3.362E-09	8.0016E-07	1.11E-07	8.62089E-13	2.99268E-12	5.29596E-13	6.12818E-13
519	571510.6	4178559	0.55, 41785	0.52736	0.56045	131.02036	47.72087	18.26486	8.99798	2.9329E-09	1.96E-11	2.95E-09	7.29E-07	1.67E-09	7.3E-07	1.02E-07	6.38E-10	1.02E-07	9.11E-13	2.75E-12	1.59E-12	7.47E-13	1.8E-11	9.95E-13	1.978E-11	2.952E-09	7.3034E-07	1.02E-07	7.57132E-13	2.62833E-12	4.65118E-13	5.38208E-13
520	571550.6	4178559	0.55, 41785	0.46874	0.49944	99.50634	45.73793	14.05158	8.03042	2.60689E-09	1.75E-11	2.62E-09	5.53E-07	1.60E-09	5.55E-07	7.81E-08	4.91E-10	7.86E-08	8.1E-13	2.45E-12	1.42E-12	6.64E-13	1.6E-11	8.84E-13	1.75816E-11	2.624E-09	5.55E-07	7.86E-08	6.72982E-13	2.33621E-12	4.13424E-13	4.78391E-13
521	571590.6	4178559	0.55, 41785	0.42104	0.44786	63.39282	43.98321	9.17705	7.35207	2.34161E-09	1.57E-11	2.36E-09	3.53E-07	1.54E-09	3.54E-07	5.1E-08	3.21E-10	5.14E-08	7.27E-13	2.2E-12	1.27E-12	5.96E-13	1.44E-11	7.94E-13	1.57923E-11	2.357E-09	3.541E-07	5.14E-08	6.04491E-13	2.09845E-12	3.71349E-13	4.29704E-13
522	570310.6	4178599	0.55, 41785	0.10507	0.08466	83.25071	28.48032	11.19876	3.62883	5.84345E-10	2.96E-12	5.87E-10	4.63E-07	9.95E-10	4.64E-07	6.23E-08	3.91E-10	6.27E-08	1.81E-13	5.47E-13	3.17E-13	1.49E-13	3.59E-12	1.98E-13	3.93459E-12	5.873E-10	4.6399E-07	6.27E-08	1.50607E-13	5.22822E-13	9.25204E-14	1.07059E-13
523	570350.6	4178599	0.55, 41785	0.11716	0.09561	88.57329	30.33455	11.44069	3.79182	6.51583E-10	3.34E-12	6.55E-10	4.93E-07	1.06E-09	4.94E-07	6.36E-08	4.00E-10	6.4E-08	2.02E-13	6.1E-13	3.53E-13	1.66E-13	4E-12	2.21E-13	4.38761E-12	6.549E-10	4.9366E-07	6.4E-08	1.67948E-13	5.83019E-13	1.03173E-13	1.19386E-13
524	570390.6	4178599	0.55, 41785	0.13131	0.10865	93.2639	32.45644	11.65799	4.05706	7.30278E-10	3.80E-12	7.34E-10	5.19E-07	1.13E-09	5.2E-07	6.48E-08	4.07E-10	6.52E-08	2.27E-13	6.84E-13	3.96E-13	1.86E-13	4.48E-12	2.47E-13	4.91788E-12	7.341E-10	5.1982E-07	6.52E-08	1.88245E-13	6.53479E-13	1.15642E-13	1.33814E-13
525	570430.6	4178599	0.55, 41785	0.15022	0.126	103.53542	36.02365	12.94193	4.50296	8.35446E-10	4.40E-12	8.4E-10	5.76E-07	1.26E-09	5.77E-07	7.2E-08	4.52E-10	7.24E-08	2.59E-13	7.83E-13	4.53E-13	2.12E-13	5.13E-12	2.83E-13	5.6265E-12	8.398E-10	5.7707E-07	7.24E-08	2.1537E-13	7.4764E-13	1.32305E-13	1.53096E-13
526	570470.6	4178599	0.55, 41785	0.17421	0.14819	115.63183	39.91557	14.45398	5.34922	9.68866E-10	5.18E-12	9.74E-10	6.43E-07	1.39E-09	6.44E-07	8.04E-08	5.05E-10	8.09E-08	3.01E-13	9.08E-13	5.25E-13	2.46E-13	5.95E-12	3.28E-13	6.52553E-12	9.74E-10	6.4448E-07	8.09E-08	2.49782E-13	8.67102E-13	1.53445E-13	1.77558E-13
527	570510.6	4178599	0.55, 41785	0.20799	0.17912	128.15759	44.54205	16.0197	6.36274	1.15673E-09	6.26E-12	1.16E-09	7.13E-07	1.56E-09	7.14E-07	8.91E-08	5.60E-10	8.97E-08	3.59E-13	1.08E-12	6.27E-13	2.94E-13	7.11E-12	3.92E-13	7.79137E-12	1.163E-09	7.143E-07	8.97E-08	2.98236E-13	1.0353E-12	1.83211E-13	2.12001E-13
528	570550.6	4178599	0.55, 41785	0.25382	0.22088	141.74172	51.90419	17.71771	7.41488	1.41162E-09	7.72E-12	1.42E-09	7.88E-07	1.81E-09	7.9E-07	9.85E-08	6.19E-10	9.92E-08	4.38E-13	1.32E-12	7.66E-13	3.59E-13	8.67E-12	4.78E-13	9.50872E-12	1.419E-09	7.9011E-07	9.92E-08	3.63972E-13	1.2635E-12	2.23594E-13	2.5873E-13
529	570590.6	4178599	0.55, 41785	0.31442	0.27626	161.8077	62.94071	20.22596	8.27119	1.74864E-09	9.65E-12	1.76E-09	9E-07	2.20E-09	9.02E-07	1.12E-07	7.07E-10	1.13E-07	5.43E-13	1.64E-12	9.48E-13	4.45E-13	1.07E-11	5.93E-13	1.17796E-11	1.758E-09	9.0209E-07	1.13E-07	4.50895E-13	1.56525E-12	2.76992E-13	3.20519E-13
530	570630.6	4178599	0.55, 41785	0.39904	0.35395	187.04764	77.01967	23.38095	12.20463	2.21925E-09	1.24E-11	2.23E-09	1.04E-06	2.69E-09	1.04E-06	1.3E-07	8.17E-10	1.31E-07	6.89E-13	2.08E-12	1.2E-12	5.64E-13	1.36E-11	7.52E-13	1.49506E-11	2.232E-09	1.043E-06	1.31E-07	5.72274E-13	1.98661E-12	3.51557E-13	4.06802E-13
531	570670.6	4178599	0.55, 41785	0.52025	0.46779	203.91154	89.67976	27.18561	17.16092	2.89336E-09	1.63E-11	2.91E-09	1.13E-06	3.13E-09	1.14E-06	1.51E-07	9.50E-10	1.52E-07	8.98E-13	2.71E-12	1.57E-12	7.36E-13	1.78E-11	9.81E-13	1.94934E-11	2.91E-09	1.1372E-06	1.52E-07	7.46161E-13	2.59024E-12	4.58379E-13	5.3041E-13
532	570710.6	4178599	0.55, 41785	0.68748	0.63563	226.5911	101.22552	32.37016	22.387	3.82341E-09	2.22E-11	3.85E-09	1.26E-06	3.54E-09	1.26E-06	1.8E-07	1.13E-09	1.81E-07	1.19E-12	3.58E-12	2.07E-12	9.73E-13	2.35E-11	1.3E-12	2.57634E-11	3.846E-09	1.2637E-06	1.81E-07	9.86165E-13	3.4234E-12	6.05817E-13	7.01017E-13
533	570750.6	4178599	0.55, 41785	0.91976	0.89022	243.41497	114.05895	34.77357	31.00996	5.11523E-09	3.11E-11	5.15E-09	1.35E-06	3.99E-09	1.36E-06	1.93E-07	1.22E-09	1.95E-07	1.59E-12	4.79E-12	2.78E-12	1.3E-12	3.14E-11	1.73E-12	3.44775E-11	5.146E-09	1.3577E-06	1.95E-07	1.31972E-12	4.58131E-12	8.10725E-13	9.38124E-13
534	570790.6	4178599	0.55, 41785	1.20615	1.22781	261.32328	130.44037	39.31654	39.06207	6.70798E-09	4.29E-11	6.75E-09	1.45E-06	4.56E-09	1.46E-06	2.19E-07	1.37E-09	2.2E-07	2.08E-12	6.29E-12	3.64E-12	1.71E-12	4.12E-11	2.28E-12	4.52271E-11	6.751E-09	1.4579E-06	2.2E-07	1.73119E-12	6.00969E-12	1.0635E-12	1.23062E-12
535	570830.6	4178599	0.55, 41785	1.86035	2.06593	307.79075	158.37727	57.33573	51.17396	1.03463E-08	7.22E-11	1.04E-08	1.71E-06	5.53E-09	1.72E-06	3.19E-07	2.00E-09	3.21E-07	3.21E-12	9.71E-12	5.62E-12	2.64E-12	6.37E-11	3.51E-12	6.97979E-11	1.042E-08	1.7173E-06	3.21E-07	2.6717E-12	9.27463E-12	1.64127E-12	1.89919E-12
536	570870.6	4178599	0.55, 41785	2.81953	3.8452	429.66876	238.19724	77.96533	87.47681	1.56808E-08	1.34E-10	1.58E-08	2.39E-06	8.32E-09	2.4E-06	4.34E-07	2.72E-09	4.36E-07	4.88E-12	1.47E-11	8.53E-12	4E-12	9.66E-11	5.33E-12	1.05952E-10	1.582E-08	2.3979E-06	4.36E-07	4.05561E-12	1.40788E-11	2.49143E-12	2.88294E-12
537	570910.6	4178599	0.55, 41785	4.21414	6.38342	555.65098	273.48442	124.98504	103.73159	2.34369E-08	2.23E-10	2.37E-08	3.09E-06	9.56E-09	3.1E-06	6.95E-07	4.37E-09	6.99E-07	7.3E-12	2.2E-11	1.28E-11	5.98E-12	1.45E-10	7.97E-12	1.58508E-10	2.366E-08	3.0998E-06	6.99E-07	6.06732E-12	2.10623E-11	3.72725E-12	4.31296E-12
538	570950.6	4178599	0.55, 41785	4.59898	4.54538	563.80012	195.03038	96.52509	58.5202	2.55771E-08	1.59E-10	2.57E-08	3.14E-06	6.82E-09	3.14E-06	5.37E-07	3.37E-09	5.4E-07	7.94E-12	2.4E-11	1.39E-11	6.51E-12	1.57E-10	8.67E-12	1.72416E-10	2.574E-08	3.1424E-06	5.4E-07	6.5997E-12	2.29104E-11	4.0543E-12	4.69141E-12
539	570990.6	4178599	0.55, 41785	3.82228	3.4158	387.45867	157.86758	74.93195	45.58999	2.12575E-08	1.19E-10	2.14E-08	2.15E-06	5.52E-09	2.16E-06	4.17E-07	2.62E-09	4.19E-07	6.6E-12	1.99E-11	1.15E-11	5.41E-12	1.31E-10	7.2E-12	1.43213E-10	2.138E-08	2.1604E-06	4.19E-07	5.48186E-12	1.90299E-11	3.3676E-12	3.89679E-12
540	571030.6	4178599	0.55, 41785	3.02247	2.69987	442.17309	124.03841	67.82636	38.72372	1.68094E-08	9.44E-11	1.69E-08	2.46E-06	4.33E-09	2.46E-06	3.77E-07	2.37E-09	3.8E-07	5.22E-12	1.57E-11	9.12E-12	4.28E-12	1.03E-10	5.7E-12	1.13245E-10	1.69E-08	2.4635E-06	3.8E-07	4.33477E-12	1.50479E-11	2.66292E-12	3.08138E-12
541	571070.6	4178599	0.55, 41785	2.43201	2.20804	323.32852	105.96293	49.87717	32.54487	1.35256E-08	7.72E-11	1.36E-08	1.8E-06	3.70E-09	1.8E-06	2.77E-07	1.74E-09	2.79E-07	4.2E-12	1.27E-11	7.34E-12	3.44E-12	8.31E-11	4.58E-12	9.11305E-11	1.36E-08	1.8019E-06	2.79E-07	3.48827E-12	1.21093E-11	2.1429E-12	2.47964E-12
542	571110.6	4178599	0.55, 41785	1.9361	1.83698	285.52756	89.63178	42.26506	28.59229	1.07676E-08	6.42E-11	1.08E-08	1.59E-06	3.13E-09	1.59E-06	2.35E-07	1.48E-09	2.37E-07	3.34E-12	1.01E-11	5.84E-12	2.74E-12	6.62E-11	3.65E-12	7.25667E-11	1.083E-08	1.5911E-06	2.37E-07	2.77769E-12	9.64254E-12	1.70638E-12	1.97452E-12
543	571150.6	4178599	0.55, 41785	1.58315	1.55537	182.41041	88.91432	29.75311	25.20352	8.80466E-09	5.44E-11	8.86E-09	1.01E-06	3.11E-09	1.02E-06	1.65E-07	1.04E-09	1.67E-07	2.73E-12	8.25E-12	4.78E-12	2.24E-12	5.41E-11	2.99E-12	5.93503E-11	8.859E-09	1.0176E-06	1.67E-07	2.27179E-12	7.88636E-12	1.3956E-12	1.61491E-12
544	571190.6	4178599	0.55, 41785	1.33739	1.33597	189.26194	77.8274	24.55337	21.99349	7.43787E-09	4.67E-11	7.48E-09	1.05E-06	2.72E-09	1.06E-06	1.37E-07	8.58E-10	1.37E-07	2.31E-12	6.97E-12	4.04E-12	1.89E-12	4.57E-11	2.52E-12	5.01422E-11	7.485E-09	1.0553E-06	1.37E-07	1.91933E-12	6.66281E-12	1.17907E-12	1.36436E-12
545	571230.6	4178599	0.55, 41785	1.14183	1.1549	177.02423	70.01737	25.42204	18.83046	6.35027E-09	4.04E-11	6.39E-09	9.85E-07	2.45E-09	9.87E-07	1.41E-07	8.88E-10	1.42E-07	1.97E-12	5.95E-12	3.45E-12	1.62E-12	3.9E-11	2.15E-12	4.28135E-11	6.391E-09	9.8696E-07	1.42E-07	1.6388E-12	5.68899E-12	1.00674E-12	1.16495E-12
546	571270.6	4178599	0.55, 41785	0.97959	1.00523	160.46118	68.49541	22.92303	16.81937	5.44797E-09	3.51E-11	5.48E-09	8.92E-07	2.39E-09	8.95E-07	1.27E-07	8.01E-10	1.28E-07	1.69E-12	5.11E-12	2.96E-12	1.39E-12	3.35E-11	1.85E-12	3.67336E-11	5.483E-09	8.948E-07	1.28E-07	1.40608E-12	4.8811E-12	8.63777E-13	9.99513E-13
547	571310.6	4178599	0.55, 41785	0.84011	0.87488	131.92842	62.86665	16.49105	15.16442	4.67226E-09	3.06E-11	4.7E-09	7.34E-07	2.20E-09	7.36E-07	9.17E-08	5.76E-10	9.23E-08	1.45E-12	4.38E-12	2.54E-12	1.19E-12	2.87E-11	1.59E-12	3.15062E-11	4.703E-09	7.3591E-07	9.23E-08	1.20599E-12	4.1865E-12	7.40857E-13	8.57278E-13
548	571350.6	4178599	0.55, 41785	0.73896	0.77159	149.85158	58.69155	22.55392	13.49962	4.10971E-09	2.70E-11	4.14E-09	8.33E-07	2.05E-09	8.35E-07	1.25E-07	7.88E-10	1.26E-07	1.28E-12	3.85E-12	2.23E-12	1.05E-12	2.53E-11	1.39E-12	2.77133E-11	4.137E-09	8.3545E-07	1.26E-07	1.0608E-12	3.6825E-12	6.51669E-13	7.54074E-13
549	571390.6	4178599	0.55, 41785	0.661	0.68563	168.50279	56.32456	24.41155	12.10471	3.67614E-09	2.40E-11	3.7E-09	9.37E-07	1.97E-09	9.39E-07	1.36E-07	8.53E-10	1.37E-07	1.14E-12	3.45E-12	2E-12	9.36E-13	2.26E-11	1.25E-12	2.47885E-11	3.7E-09	9.3909E-07	1.37E-07	9.48848E-13	3.29386E-12	5.82893E-13	6.7449E-13
550	571430.6	4178599	0.55, 41785	0.59511	0.61204	136.17098	51.76249	20.03651	10.61326	3.30969E-09	2.14E-11	3.33E-09	7.57E-07	1.81E-09	7.59E-07	1.11E-07	7.00E-10	1.12E-07	1.03E-12	3.1E-12	1.8E-12	8.43E-13	2.04E-11	1.12E-12	2.23163E-11	3.331E-09	7.5912E-07	1.12E-07	8.54218E-13	2.96536E-12	5.2476E-13	6.07222E-13
551	571470.6	4178599	0.55, 41785	0.53051	0.54561	117.9441	47.17442	16.84916	9.40387	2.95042E-09	1.91E-11	2.97E-09	6.56E-07	1.65E-09	6.58E-07	9.37E-08	5.89E-10	9.43E-08	9.16E-13	2.77E-12	1.6E-12	7.51E-13	1.81E-11	1E-12	1.98939E-11	2.969E-09	6.5759E-07	9.43E-08	7.61491E-13	2.64346E-12	4.67796E-13	5.41307E-13
552	571510.6	4178599	0.55, 41785	0.47218	0.48877	120.07824	45.51387	16.38718	8.49605	2.62602E-09	1.71E-11	2.64E-09	6.68E-07	1.59E-09	6.69E-07	9.11E-08	5.73E-10	9.17E-08	8.16E-13	2.46E-12	1.43E-12	6.69E-13	1.61E-11	8.91E-13	1.77072E-11	2.643E-09	6.694E-07	9.17E-08	6.77793E-13	2.35291E-12	4.16379E-13	4.8181E-13
553	571550.6	4178599	0.55, 41785	0.42043	0.43954	119.99429	43.92883	16.43506	7.56489	2.33821E-09	1.54E-11	2.35E-09	6.67E-07	1.54E-09	6.69E-07	9.14E-08	5.74E-10	9.2E-08	7.26E-13	2.19E-12	1.27E-12	5.95E-13	1.44E-11	7.93E-13	1.57676E-11	2.354E-09	6.6888E-07	9.2E-08	6.03547E-13	2.09517E-12	3.70769E-13	4.29032E-13
554	571590.6	4178599	0.55, 41785	0.37632	0.39688	100.33698	42.40478	13.86046	7.00095	2.0929E-09	1.39E-11	2.11E-09	5.58E-07	1.48E-09	5.6E-07	7.71E-08	4.84E-10	7.76E-08	6.5E-13	1.96E-12	1.14E-12	5.33E-13	1.29E-11	7.1E-13	1.41141E-11	2.107E-09	5.595E-07	7.76E-08	5.40256E-13	1.87546E-12	3.31888E-13	3.84042E-13
555	570310.6	4178639	0.55, 41786	0.10356	0.08559	83.92303	29.66661	10.49038	3.70833	5.75947E-10	2.99E-12	5.79E-10	4.67E-07	1.04E-09	4.68E-07	5.83E-08	3.67E-10	5.87E-08	1.79E-13	5.39E-13	3.12E-13	1.46E-13	3.54E-12	1.95E-13	3.87855E-12	5.789E-10	4.6777E-07	5.87E-08	1.48462E-13	5.15375E-13	9.12026E-14	1.05534E-13
556	570350.6	4178639	0.55, 41786	0.1161	0.09716	92.63397	32.60646	11.57925	4.08084	6.45688E-10	3.40E-12	6.49E-10	5.15E-07	1.14E-09	5.16E-07	6.44E-08	4.05E-10	6.48E-08	2E-13	6.05E-13	3.5E-13	1.64E-13	3.97E-12	2.19E-13	4.34848E-12	6.491E-10	5.1632E-07	6.48E-08	1.6645E-13	5.77819E-13	1.02253E-13	1.18321E-13
557	570390.6	4178639	0.55, 41786	0.13068	0.11086	100.54346	34.97331	12.56793	4.70976	7.26774E-10	3.87E-12	7.31E-10	5.59E-07	1.22E-09	5.6E-07	6.99E-08	4.39E-10	7.03E-08	2.25E-13	6.81E-13	3.94E-13	1.85E-13	4.46E-12	2.46E-13	4.89492E-12	7.306E-10	5.6039E-07	7.03E-08	1.87366E-13	6.50429E-13	1.15102E-13	1.3319E-13
558	570430.6	4178639	0.55, 41786	0.14929	0.12834	107.49924	37.52244	13.4374	5.36035	8.30274E-10	4.49E-12	8.35E-10	5.98E-07	1.31E-09	5.99E-07	7.47E-08	4.70E-10	7.52E-08	2.58E-13	7.78E-13	4.5E-13	2.11E-13	5.1E-12	2.81E-13	5.5924E-12	8.348E-10	5.9917E-07	7.52E-08	2.14064E-13	7.43109E-13	1.31503E-13	1.52168E-13
559	570470.6	4178639	0.55, 41786	0.17443	0.15183	116.62505	42.4162	14.57813	6.05946	9.70089E-10	5.31E-12	9.75E-10	6.49E-07	1.48E-09	6.5E-07	8.11E-08	5.09E-10	8.16E-08	3.01E-13	9.09E-13	5.26E-13	2.47E-13	5.96E-12	3.29E-13	6.53458E-12	9.754E-10	6.5009E-07	8.16E-08	2.50129E-13	8.68304E-13	1.53658E-13	1.77804E-13
560	570510.6	4178639	0.55, 41786	0.20768	0.18277	127.00459	48.18252	15.87557	6.71257	1.15501E-09	6.39E-12	1.16E-09	7.06E-07	1.68E-09	7.08E-07	8.83E-08	5.55E-10	8.88E-08	3.58E-13	1.08E-12	6.26E-13	2.94E-13	7.1E-12	3.91E-13	7.78068E-12	1.161E-09	7.0802E-07	8.88E-08	2.97826E-13	1.03388E-12	1.8296E-13	2.1171E-13
561	570550.6	4178639	0.55, 41786	0.2504	0.22269	148.76746	59.99627	18.59593	7.58374	1.3926E-09	7.78E-12	1.4E-09	8.27E-07	2.10E-09	8.29E-07	1.03E-07	6.50E-10	1.04E-07	4.32E-13	1.3E-12	7.55E-13	3.54E-13	8.56E-12	4.72E-13	9.38172E-12	1.4E-09	8.2946E-07	1.04E-07	3.59111E-13	1.24663E-12	2.20607E-13	2.55274E-13
562	570590.6	4178639	0.55, 41786	0.30521	0.27478	162.38276	69.4472	20.29784	10.74133	1.69742E-09	9.60E-12	1.71E-09	9.03E-07	2.43E-09	9.06E-07	1.13E-07	7.09E-10	1.14E-07	5.27E-13	1.59E-12	9.21E-13	4.32E-13	1.04E-11	5.75E-13	1.14361E-11	1.707E-09	9.0552E-07	1.14E-07	4.37746E-13	1.5196E-12	2.68915E-13	3.11173E-13
563	570630.6	4178639	0.55, 41786	0.37839	0.34592	177.15033	78.68271	23.7109	14.16715	2.10441E-09	1.21E-11	2.12E-09	9.85E-07	2.75E-09	9.88E-07	1.32E-07	8.29E-10	1.33E-07	6.53E-13	1.97E-12	1.14E-12	5.35E-13	1.29E-11	7.13E-13	1.41793E-11	2.116E-09	9.8797E-07	1.33E-07	5.42751E-13	1.88412E-12	3.33421E-13	3.85816E-13
564	570670.6	4178639	0.55, 41786	0.47152	0.44129	194.04584	86.02037	27.72083	17.24466	2.62235E-09	1.54E-11	2.64E-09	1.08E-06	3.01E-09	1.08E-06	1.54E-07	9.69E-10	1.55E-07	8.14E-13	2.46E-12	1.42E-12	6.67E-13	1.61E-11	8.89E-13	1.76715E-11	2.638E-09	1.0822E-06	1.55E-07	6.76426E-13	2.34816E-12	4.15539E-13	4.80839E-13
565	570710.6	4178639	0.55, 41786	0.59058	0.57043	207.44684	93.90742	29.63526	21.88085	3.2845E-09	1.99E-11	3.3E-09	1.15E-06	3.28E-09	1.16E-06	1.65E-07	1.04E-09	1.66E-07	1.02E-12	3.08E-12	1.78E-12	8.36E-13	2.02E-11	1.11E-12	2.21378E-11	3.304E-09	1.157E-06	1.66E-07	8.47384E-13	2.94163E-12	5.20562E-13	6.02364E-13
566	570750.6	4178639	0.55, 41786	0.7421	0.74424	219.27007	107.04803	31.3243	27.05481	4.12718E-09	2.60E-11	4.15E-09	1.22E-06	3.74E-09	1.22E-06	1.74E-07	1.09E-09	1.75E-07	1.28E-12	3.87E-12	2.24E-12	1.05E-12	2.54E-11	1.4E-12	2.78239E-11	4.153E-09	1.2232E-06	1.75E-07	1.06504E-12	3.6972E-12	6.54269E-13	7.57083E-13
567	570790.6	4178639	0.55, 41786	0.94425	0.97087	237.37937	117.94026	33.01145	30.70173	5.25143E-09	3.39E-11	5.29E-09	1.32E-06	4.12E-09	1.32E-06	1.84E-07	1.15E-09	1.85E-07	1.63E-12	4.92E-12	2.85E-12	1.34E-12	3.23E-11	1.78E-12	3.54088E-11	5.285E-09	1.3243E-06	1.85E-07	1.35537E-12	4.70507E-12	8.32625E-13	9.63466E-13
568	570830.6	4178639	0.55, 41786	1.23329	1.33292	295.25944	130.22679	42.69044	39.99654	6.85892E-09	4.66E-11	6.91E-09	1.64E-06	4.55E-09	1.65E-06	2.37E-07	1.49E-09	2.39E-07	2.13E-12	6.43E-12	3.72E-12	1.75E-12	4.22E-11	2.33E-12	4.62629E-11	6.906E-09	1.6466E-06	2.39E-07	1.77084E-12	6.14733E-12	1.08785E-12	1.2588E-12
569	570870.6	4178639	0.55, 41786	1.50989	1.73214	317.24906	188.19869	58.25942	53.82297	8.39723E-09	6.05E-11	8.46E-09	1.76E-06	6.58E-09	1.77E-06	3.24E-07	2.04E-09	3.26E-07	2.61E-12	7.88E-12	4.56E-12	2.14E-12	5.17E-11	2.85E-12	5.66621E-11	8.458E-09	1.771E-06	3.26E-07	2.16889E-12	7.52916E-12	1.33239E-12	1.54176E-12
570	570910.6	4178639	0.55, 41786	1.78259	1.99297	332.58479	179.86407	63.94152	52.98497	9.91384E-09	6.97E-11	9.98E-09	1.85E-06	6.29E-09	1.86E-06	3.56E-07	2.23E-09	3.58E-07	3.08E-12	9.3E-12	5.38E-12	2.53E-12	6.1E-11	3.36E-12	6.68836E-11	9.983E-09	1.856E-06	3.58E-07	2.56015E-12	8.88738E-12	1.57274E-12	1.81989E-12
571	570950.6	4178639	0.55, 41786	1.86524	1.94862	326.77204	147.92341	57.64661	41.4452	1.03735E-08	6.81E-11	1.04E-08	1.82E-06	5.17E-09	1.82E-06	3.21E-07	2.01E-09	3.23E-07	3.22E-12	9.73E-12	5.63E-12	2.64E-12	6.38E-11	3.52E-12	6.99527E-11	1.044E-08	1.8225E-06	3.23E-07	2.67763E-12	9.29519E-12	1.64491E-12	1.9034E-12
572	570990.6	4178639	0.55, 41786	1.76592	1.78245	311.73236	122.31574	43.80696	33.57582	9.82113E-09	6.23E-11	9.88E-09	1.73E-06	4.27E-09	1.74E-06	2.44E-07	1.53E-09	2.45E-07	3.05E-12	9.21E-12	5.33E-12	2.5E-12	6.04E-11	3.33E-12	6.62132E-11	9.883E-09	1.738E-06	2.45E-07	2.53449E-12	8.7983E-12	1.55698E-12	1.80165E-12
573	571030.6	4178639	0.55, 41786	1.5977	1.58915	263.38378	106.70114	40.88022	26.80487	8.88558E-09	5.55E-11	8.94E-09	1.46E-06	3.73E-09	1.47E-06	2.27E-07	1.43E-09	2.29E-07	2.76E-12	8.33E-12	4.82E-12	2.26E-12	5.46E-11	3.01E-12	5.99003E-11	8.941E-09	1.4685E-06	2.29E-07	2.29285E-12	7.95945E-12	1.40853E-12	1.62987E-12
574	571070.6	4178639	0.55, 41786	1.42629	1.41473	323.91584	92.06505	44.84431	24.93328	7.93229E-09	4.94E-11	7.98E-09	1.8E-06	3.22E-09	1.8E-06	2.49E-07	1.57E-09	2.51E-07	2.46E-12	7.44E-12	4.31E-12	2.02E-12	4.88E-11	2.69E-12	5.34729E-11	7.982E-09	1.8047E-06	2.51E-07	2.04682E-12	7.10539E-12	1.2574E-12	1.45499E-12
575	571110.6	4178639	0.55, 41786	1.27265	1.25146	231.49813	85.11921	34.4516	22.95032	7.07782E-09	4.37E-11	7.12E-09	1.29E-06	2.97E-09	1.29E-06	1.92E-07	1.20E-09	1.93E-07	2.2E-12	6.64E-12	3.84E-12	1.8E-12	4.35E-11	2.4E-12	4.77103E-11	7.122E-09	1.2904E-06	1.93E-07	1.82624E-12	6.33966E-12	1.12189E-12	1.29819E-12
576	571150.6	4178639	0.55, 41786	1.10067	1.1079	235.36335	78.49538	33.92291	20.75102	6.12136E-09	3.87E-11	6.16E-09	1.31E-06	2.74E-09	1.31E-06	1.89E-07	1.19E-09	1.9E-07	1.9E-12	5.74E-12	3.32E-12	1.56E-12	3.76E-11	2.08E-12	4.12689E-11	6.16E-09	1.3117E-06	1.9E-07	1.57968E-12	5.48375E-12	9.70423E-13	1.12292E-12
577	571190.6	4178639	0.55, 41786	0.96404	0.98605	150.10185	73.9658	22.00887	18.66835	5.36149E-09	3.45E-11	5.4E-09	8.35E-07	2.58E-09	8.37E-07	1.22E-07	7.69E-10	1.23E-07	1.67E-12	5.03E-12	2.91E-12	1.36E-12	3.3E-11	1.82E-12	3.61497E-11	5.396E-09	8.3737E-07	1.23E-07	1.38373E-12	4.80352E-12	8.50047E-13	9.83626E-13
578	571230.6	4178639	0.55, 41786	0.85847	0.87787	130.71922	65.23747	20.98447	16.26127	4.77437E-09	3.07E-11	4.81E-09	7.27E-07	2.28E-09	7.29E-07	1.17E-07	7.33E-10	1.17E-07	1.48E-12	4.48E-12	2.59E-12	1.22E-12	2.94E-11	1.62E-12	3.2191E-11	4.805E-09	7.2927E-07	1.17E-07	1.2322E-12	4.27749E-12	7.56959E-13	8.7591E-13
579	571270.6	4178639	0.55, 41786	0.76521	0.78388	147.71702	61.52416	22.46264	14.29709	4.2557E-09	2.74E-11	4.28E-09	8.22E-07	2.15E-09	8.24E-07	1.25E-07	7.85E-10	1.26E-07	1.32E-12	3.99E-12	2.31E-12	1.08E-12	2.62E-11	1.44E-12	2.86943E-11	4.283E-09	8.2368E-07	1.26E-07	1.09835E-12	3.81284E-12	6.74734E-13	7.80764E-13
580	571310.6	4178639	0.55, 41786	0.67814	0.70066	136.41117	59.8434	17.34958	13.40052	3.77146E-09	2.45E-11	3.8E-09	7.59E-07	2.09E-09	7.61E-07	9.65E-08	6.06E-10	9.71E-08	1.17E-12	3.54E-12	2.05E-12	9.6E-13	2.32E-11	1.28E-12	2.54307E-11	3.796E-09	7.6074E-07	9.71E-08	9.73427E-13	3.37918E-12	5.97992E-13	6.91962E-13
581	571350.6	4178639	0.55, 41786	0.60279	0.6273	124.67819	56.4143	15.58477	12.33978	3.35241E-09	2.19E-11	3.37E-09	6.93E-07	1.97E-09	6.95E-07	8.67E-08	5.45E-10	8.72E-08	1.04E-12	3.14E-12	1.82E-12	8.53E-13	2.06E-11	1.14E-12	2.2606E-11	3.374E-09	6.9537E-07	8.72E-08	8.65307E-13	3.00385E-12	5.31572E-13	6.15105E-13
582	571390.6	4178639	0.55, 41786	0.54567	0.56561	134.64293	53.30447	19.4501	11.04071	3.03473E-09	1.98E-11	3.05E-09	7.49E-07	1.86E-09	7.51E-07	1.08E-07	6.80E-10	1.09E-07	9.43E-13	2.85E-12	1.65E-12	7.73E-13	1.87E-11	1.03E-12	2.04634E-11	3.055E-09	7.5068E-07	1.09E-07	7.83291E-13	2.71914E-12	4.81189E-13	5.56804E-13
583	571430.6	4178639	0.55, 41786	0.50035	0.51255	147.79016	50.85435	20.77571	9.97795	2.78269E-09	1.79E-11	2.8E-09	8.22E-07	1.78E-09	8.24E-07	1.16E-07	7.26E-10	1.16E-07	8.64E-13	2.61E-12	1.51E-12	7.08E-13	1.71E-11	9.44E-13	1.87624E-11	2.801E-09	8.2371E-07	1.16E-07	7.18181E-13	2.49312E-12	4.4119E-13	5.1052E-13
584	571470.6	4178639	0.55, 41786	0.45884	0.46513	118.76181	47.03177	16.94782	8.9119	2.55183E-09	1.63E-11	2.57E-09	6.6E-07	1.64E-09	6.62E-07	9.43E-08	5.92E-10	9.48E-08	7.92E-13	2.39E-12	1.39E-12	6.5E-13	1.57E-11	8.66E-13	1.72047E-11	2.568E-09	6.6214E-07	9.48E-08	6.58556E-13	2.28613E-12	4.04561E-13	4.68135E-13
585	571510.6	4178639	0.55, 41786	0.41516	0.4204	105.04191	43.02213	15.00599	7.61313	2.3089E-09	1.47E-11	2.32E-09	5.84E-07	1.50E-09	5.86E-07	8.35E-08	5.24E-10	8.4E-08	7.17E-13	2.16E-12	1.25E-12	5.88E-13	1.42E-11	7.83E-13	1.55668E-11	2.324E-09	5.8569E-07	8.4E-08	5.95859E-13	2.06848E-12	3.66046E-13	4.23568E-13
586	571550.6	4178639	0.55, 41786	0.37489	0.38245	101.59712	41.64808	13.25702	7.0054	2.08494E-09	1.34E-11	2.1E-09	5.65E-07	1.46E-09	5.66E-07	7.37E-08	4.63E-10	7.42E-08	6.47E-13	1.96E-12	1.13E-12	5.31E-13	1.28E-11	7.07E-13	1.40575E-11	2.098E-09	5.6649E-07	7.42E-08	5.38087E-13	1.86793E-12	3.30556E-13	3.825E-13
587	571590.6	4178639	0.55, 41786	0.33863	0.34937	106.83121	40.48294	14.45913	6.53587	1.88328E-09	1.22E-11	1.9E-09	5.94E-07	1.41E-09	5.96E-07	8.04E-08	5.05E-10	8.09E-08	5.85E-13	1.77E-12	1.02E-12	4.79E-13	1.16E-11	6.39E-13	1.26987E-11	1.895E-09	5.9555E-07	8.09E-08	4.86077E-13	1.68738E-12	2.98605E-13	3.45529E-13
588	570310.6	4178679	0.55, 41786	0.10291	0.0869	88.39628	30.98258	11.04953	4.21243	5.72332E-10	3.04E-12	5.75E-10	4.92E-07	1.08E-09	4.93E-07	6.15E-08	3.86E-10	6.18E-08	1.78E-13	5.36E-13	3.1E-13	1.46E-13	3.52E-12	1.94E-13	3.85464E-12	5.754E-10	4.927E-07	6.18E-08	1.47547E-13	5.12198E-13	9.06403E-14	1.04884E-13
589	570350.6	4178679	0.55, 41786	0.11574	0.09888	93.23081	33.32166	11.65385	4.76024	6.43686E-10	3.46E-12	6.47E-10	5.19E-07	1.16E-09	5.2E-07	6.48E-08	4.07E-10	6.52E-08	2E-13	6.03E-13	3.49E-13	1.64E-13	3.95E-12	2.18E-13	4.33547E-12	6.471E-10	5.1967E-07	6.52E-08	1.65952E-13	5.7609E-13	1.01947E-13	1.17967E-13
590	570390.6	4178679	0.55, 41786	0.13137	0.11361	99.39798	36.831	12.42475	5.26157	7.30612E-10	3.97E-12	7.35E-10	5.53E-07	1.29E-09	5.54E-07	6.91E-08	4.34E-10	6.95E-08	2.27E-13	6.84E-13	3.96E-13	1.86E-13	4.49E-12	2.48E-13	4.92128E-12	7.346E-10	5.5409E-07	6.95E-08	1.88375E-13	6.53931E-13	1.15722E-13	1.33907E-13
591	570430.6	4178679	0.55, 41786	0.15074	0.13191	105.99103	39.73692	13.24888	5.6767	8.38338E-10	4.61E-12	8.43E-10	5.89E-07	1.39E-09	5.91E-07	7.37E-08	4.63E-10	7.41E-08	2.6E-13	7.85E-13	4.55E-13	2.13E-13	5.15E-12	2.84E-13	5.64726E-12	8.429E-10	5.9086E-07	7.41E-08	2.16164E-13	7.50398E-13	1.32793E-13	1.53661E-13
592	570470.6	4178679	0.55, 41786	0.17494	0.15487	121.69462	47.75873	15.21183	5.96984	9.72926E-10	5.41E-12	9.78E-10	6.77E-07	1.67E-09	6.78E-07	8.46E-08	5.32E-10	8.51E-08	3.02E-13	9.12E-13	5.28E-13	2.47E-13	5.98E-12	3.3E-13	6.5543E-12	9.783E-10	6.7847E-07	8.51E-08	2.50883E-13	8.70924E-13	1.54122E-13	1.78341E-13
593	570510.6	4178679	0.55, 41786	0.2057	0.18414	135.37794	56.46386	16.92224	7.12807	1.144E-09	6.44E-12	1.15E-09	7.53E-07	1.97E-09	7.55E-07	9.41E-08	5.91E-10	9.47E-08	3.55E-13	1.07E-12	6.21E-13	2.91E-13	7.03E-12	3.88E-13	7.70723E-12	1.15E-09	7.5488E-07	9.47E-08	2.95015E-13	1.02412E-12	1.81232E-13	2.09712E-13
594	570550.6	4178679	0.55, 41786	0.2434	0.22078	142.10791	62.60325	17.76349	9.55219	1.35366E-09	7.72E-12	1.36E-09	7.9E-07	2.19E-09	7.93E-07	9.88E-08	6.21E-10	9.94E-08	4.2E-13	1.27E-12	7.34E-13	3.44E-13	8.32E-12	4.59E-13	9.12046E-12	1.361E-09	7.9252E-07	9.94E-08	3.4911E-13	1.21191E-12	2.14464E-13	2.48166E-13
595	570590.6	4178679	0.55, 41786	0.29132	0.2684	157.44437	70.02377	21.20731	12.01595	1.62017E-09	9.38E-12	1.63E-09	8.76E-07	2.45E-09	8.78E-07	1.18E-07	7.41E-10	1.19E-07	5.03E-13	1.52E-12	8.79E-13	4.12E-13	9.96E-12	5.49E-13	1.0917E-11	1.63E-09	8.7807E-07	1.19E-07	4.17879E-13	1.45064E-12	2.5671E-13	2.9705E-13
596	570630.6	4178679	0.55, 41786	0.34871	0.32823	170.78411	74.6949	24.39773	14.09383	1.93934E-09	1.15E-11	1.95E-09	9.5E-07	2.61E-09	9.52E-07	1.36E-07	8.53E-10	1.37E-07	6.02E-13	1.82E-12	1.05E-12	4.93E-13	1.19E-11	6.57E-13	1.30693E-11	1.951E-09	9.5242E-07	1.37E-07	5.00264E-13	1.73663E-12	3.0732E-13	3.55613E-13
597	570670.6	4178679	0.55, 41786	0.41782	0.40379	181.29369	80.27499	25.8991	15.99045	2.3237E-09	1.41E-11	2.34E-09	1.01E-06	2.81E-09	1.01E-06	1.44E-07	9.05E-10	1.45E-07	7.21E-13	2.18E-12	1.26E-12	5.91E-13	1.43E-11	7.88E-13	1.5662E-11	2.338E-09	1.0111E-06	1.45E-07	5.99504E-13	2.08114E-12	3.68285E-13	4.26159E-13
598	570710.6	4178679	0.55, 41786	0.49876	0.49687	185.88712	90.92914	26.5553	19.21501	2.77384E-09	1.74E-11	2.79E-09	1.03E-06	3.18E-09	1.04E-06	1.48E-07	9.28E-10	1.49E-07	8.61E-13	2.6E-12	1.51E-12	7.06E-13	1.71E-11	9.41E-13	1.86995E-11	2.791E-09	1.037E-06	1.49E-07	7.15773E-13	2.48476E-12	4.39711E-13	5.08809E-13
599	570750.6	4178679	0.55, 41786	0.59336	0.60818	195.07014	97.11431	27.40212	20.89244	3.29996E-09	2.13E-11	3.32E-09	1.08E-06	3.39E-09	1.09E-06	1.52E-07	9.58E-10	1.53E-07	1.02E-12	3.09E-12	1.79E-12	8.4E-13	2.03E-11	1.12E-12	2.22502E-11	3.321E-09	1.0883E-06	1.53E-07	8.51687E-13	2.95657E-12	5.23205E-13	6.05423E-13
600	570790.6	4178679	0.55, 41786	0.71288	0.74367	232.56486	100.08812	29.70634	25.09865	3.96467E-09	2.60E-11	3.99E-09	1.29E-06	3.50E-09	1.3E-06	1.65E-07	1.04E-09	1.66E-07	1.23E-12	3.72E-12	2.15E-12	1.01E-12	2.44E-11	1.34E-12	2.67351E-11	3.991E-09	1.2969E-06	1.66E-07	1.02336E-12	3.55251E-12	6.28665E-13	7.27456E-13
601	570830.6	4178679	0.55, 41786	0.82835	0.8948	250.25968	113.32691	36.36599	33.16876	4.60685E-09	3.13E-11	4.64E-09	1.39E-06	3.96E-09	1.4E-06	2.02E-07	1.27E-09	2.04E-07	1.43E-12	4.32E-12	2.5E-12	1.17E-12	2.83E-11	1.56E-12	3.10727E-11	4.638E-09	1.3958E-06	2.04E-07	1.18939E-12	4.12889E-12	7.30664E-13	8.45482E-13
602	570870.6	4178679	0.55, 41786	0.92801	1.04065	269.45277	158.88347	39.41339	35.15016	5.16111E-09	3.64E-11	5.2E-09	1.5E-06	5.55E-09	1.5E-06	2.19E-07	1.38E-09	2.21E-07	1.6E-12	4.84E-12	2.8E-12	1.31E-12	3.18E-11	1.75E-12	3.48201E-11	5.197E-09	1.5041E-06	2.21E-07	1.33283E-12	4.62684E-12	8.18781E-13	9.47447E-13
603	570910.6	4178679	0.55, 41786	1.03394	1.13081	259.70616	144.94226	42.20689	35.5523	5.75024E-09	3.95E-11	5.79E-09	1.44E-06	5.07E-09	1.45E-06	2.35E-07	1.48E-09	2.36E-07	1.79E-12	5.39E-12	3.12E-12	1.46E-12	3.54E-11	1.95E-12	3.8788E-11	5.79E-09	1.4494E-06	2.36E-07	1.48472E-12	5.15409E-12	9.12085E-13	1.05541E-12
604	570950.6	4178679	0.55, 41786	1.05684	1.13643	242.80014	123.49716	39.92153	30.15323	5.8776E-09	3.97E-11	5.92E-09	1.35E-06	4.32E-09	1.35E-06	2.22E-07	1.40E-09	2.23E-07	1.83E-12	5.51E-12	3.19E-12	1.5E-12	3.62E-11	1.99E-12	3.96426E-11	5.917E-09	1.3546E-06	2.23E-07	1.51743E-12	5.26764E-12	9.32179E-13	1.07866E-12
605	570990.6	4178679	0.55, 41786	1.01802	1.09421	255.86386	105.93706	37.15781	26.85338	5.6617E-09	3.82E-11	5.7E-09	1.42E-06	3.70E-09	1.43E-06	2.07E-07	1.30E-09	2.08E-07	1.76E-12	5.31E-12	3.07E-12	1.44E-12	3.48E-11	1.92E-12	3.81863E-11	5.7E-09	1.4267E-06	2.08E-07	1.46168E-12	5.07413E-12	8.97936E-13	1.03904E-12
606	571030.6	4178679	0.55, 41786	0.98373	1.03259	224.24787	96.85684	32.03518	21.71644	5.471E-09	3.61E-11	5.51E-09	1.25E-06	3.38E-09	1.25E-06	1.78E-07	1.12E-09	1.79E-07	1.7E-12	5.13E-12	2.97E-12	1.39E-12	3.36E-11	1.86E-12	3.68943E-11	5.507E-09	1.2505E-06	1.79E-07	1.41223E-12	4.90245E-12	8.67554E-13	1.00388E-12
607	571070.6	4178679	0.55, 41786	0.92088	0.95493	234.21131	81.25508	29.84103	18.74017	5.12146E-09	3.34E-11	5.15E-09	1.3E-06	2.84E-09	1.31E-06	1.66E-07	1.04E-09	1.67E-07	1.59E-12	4.8E-12	2.78E-12	1.3E-12	3.15E-11	1.74E-12	3.45344E-11	5.155E-09	1.3054E-06	1.67E-07	1.3219E-12	4.58887E-12	8.12062E-13	9.39672E-13
608	571110.6	4178679	0.55, 41786	0.85296	0.87816	249.82687	76.90023	32.83771	18.41049	4.74372E-09	3.07E-11	4.77E-09	1.39E-06	2.69E-09	1.39E-06	1.83E-07	1.15E-09	1.84E-07	1.47E-12	4.45E-12	2.58E-12	1.21E-12	2.92E-11	1.61E-12	3.19858E-11	4.774E-09	1.3921E-06	1.84E-07	1.22434E-12	4.25022E-12	7.52133E-13	8.70326E-13
609	571150.6	4178679	0.55, 41786	0.78449	0.80428	184.12399	71.8753	26.94504	17.68151	4.36293E-09	2.81E-11	4.39E-09	1.02E-06	2.51E-09	1.03E-06	1.5E-07	9.42E-10	1.51E-07	1.35E-12	4.09E-12	2.37E-12	1.11E-12	2.68E-11	1.48E-12	2.94174E-11	4.391E-09	1.0265E-06	1.51E-07	1.12603E-12	3.90893E-12	6.91738E-13	8.0044E-13
610	571190.6	4178679	0.55, 41786	0.70872	0.73542	192.12547	69.23049	27.25383	16.04767	3.94153E-09	2.57E-11	3.97E-09	1.07E-06	2.42E-09	1.07E-06	1.52E-07	9.52E-10	1.53E-07	1.22E-12	3.7E-12	2.14E-12	1E-12	2.42E-11	1.34E-12	2.65782E-11	3.967E-09	1.0709E-06	1.53E-07	1.01735E-12	3.53166E-12	6.24975E-13	7.23186E-13
611	571230.6	4178679	0.55, 41786	0.64141	0.6715	152.95792	62.82263	21.78847	14.44714	3.56719E-09	2.35E-11	3.59E-09	8.51E-07	2.20E-09	8.53E-07	1.21E-07	7.61E-10	1.22E-07	1.11E-12	3.35E-12	1.94E-12	9.08E-13	2.19E-11	1.21E-12	2.40553E-11	3.591E-09	8.5287E-07	1.22E-07	9.20782E-13	3.19643E-12	5.65652E-13	6.5454E-13
612	571270.6	4178679	0.55, 41786	0.5854	0.61191	124.65244	57.66905	20.54509	12.75642	3.25569E-09	2.14E-11	3.28E-09	6.93E-07	2.02E-09	6.95E-07	1.14E-07	7.18E-10	1.15E-07	1.01E-12	3.05E-12	1.77E-12	8.29E-13	2E-11	1.1E-12	2.19545E-11	3.277E-09	6.9527E-07	1.15E-07	8.40368E-13	2.91728E-12	5.16252E-13	5.97377E-13
613	571310.6	4178679	0.55, 41786	0.53447	0.5582	125.80787	55.1913	17.97255	11.70277	2.97245E-09	1.95E-11	2.99E-09	7E-07	1.93E-09	7.02E-07	1E-07	6.28E-10	1.01E-07	9.23E-13	2.79E-12	1.61E-12	7.57E-13	1.83E-11	1.01E-12	2.00444E-11	2.992E-09	7.0161E-07	1.01E-07	7.67252E-13	2.66346E-12	4.71335E-13	5.45402E-13
614	571350.6	4178679	0.55, 41786	0.48504	0.50906	111.39997	53.56601	13.925	11.19981	2.69754E-09	1.78E-11	2.72E-09	6.2E-07	1.87E-09	6.21E-07	7.74E-08	4.87E-10	7.79E-08	8.38E-13	2.53E-12	1.46E-12	6.87E-13	1.66E-11	9.15E-13	1.81911E-11	2.715E-09	6.2142E-07	7.79E-08	6.96315E-13	2.41721E-12	4.27758E-13	4.94977E-13
615	571390.6	4178679	0.55, 41786	0.44312	0.4655	107.51836	51.27371	13.43979	10.40254	2.4644E-09	1.63E-11	2.48E-09	5.98E-07	1.79E-09	6E-07	7.47E-08	4.70E-10	7.52E-08	7.65E-13	2.31E-12	1.34E-12	6.27E-13	1.52E-11	8.36E-13	1.66191E-11	2.481E-09	5.9975E-07	7.52E-08	6.3614E-13	2.20831E-12	3.90791E-13	4.52201E-13
616	571430.6	4178679	0.55, 41786	0.41031	0.42684	122.12368	48.88835	17.23844	9.36082	2.28193E-09	1.49E-11	2.3E-09	6.79E-07	1.71E-09	6.81E-07	9.59E-08	6.02E-10	9.65E-08	7.09E-13	2.14E-12	1.24E-12	5.81E-13	1.4E-11	7.74E-13	1.53876E-11	2.297E-09	6.809E-07	9.65E-08	5.89E-13	2.04467E-12	3.61832E-13	4.18692E-13
617	571470.6	4178679	0.55, 41786	0.38401	0.39267	130.83453	46.56818	18.03085	8.50414	2.13566E-09	1.37E-11	2.15E-09	7.28E-07	1.63E-09	7.29E-07	1E-07	6.30E-10	1.01E-07	6.63E-13	2E-12	1.16E-12	5.44E-13	1.31E-11	7.24E-13	1.43997E-11	2.149E-09	7.2926E-07	1.01E-07	5.51185E-13	1.9134E-12	3.38602E-13	3.91811E-13
618	571510.6	4178679	0.55, 41786	0.35733	0.36026	104.69184	43.30646	14.57371	7.68103	1.98728E-09	1.26E-11	2E-09	5.82E-07	1.51E-09	5.84E-07	8.11E-08	5.09E-10	8.16E-08	6.17E-13	1.86E-12	1.08E-12	5.06E-13	1.22E-11	6.74E-13	1.3398E-11	2E-09	5.8376E-07	8.16E-08	5.12845E-13	1.7803E-12	3.15049E-13	3.64556E-13
619	571550.6	4178679	0.55, 41786	0.32923	0.33046	93.91251	40.06683	13.41607	6.60436	1.83101E-09	1.15E-11	1.84E-09	5.22E-07	1.40E-09	5.24E-07	7.46E-08	4.69E-10	7.51E-08	5.69E-13	1.72E-12	9.94E-13	4.66E-13	1.13E-11	6.21E-13	1.23441E-11	1.843E-09	5.2369E-07	7.51E-08	4.72502E-13	1.64026E-12	2.90266E-13	3.35879E-13
620	571590.6	4178679	0.55, 41786	0.30119	0.30402	90.51235	37.8645	11.49242	5.95997	1.67506E-09	1.06E-11	1.69E-09	5.03E-07	1.32E-09	5.05E-07	6.39E-08	4.02E-10	6.43E-08	5.2E-13	1.57E-12	9.09E-13	4.26E-13	1.03E-11	5.68E-13	1.12931E-11	1.686E-09	5.0471E-07	6.43E-08	4.32275E-13	1.50061E-12	2.65554E-13	3.07283E-13
621	570310.6	4178719	0.55, 41787	0.10285	0.08839	86.08959	31.99227	10.7612	4.57032	5.71998E-10	3.09E-12	5.75E-10	4.79E-07	1.12E-09	4.8E-07	5.98E-08	3.76E-10	6.02E-08	1.77E-13	5.36E-13	3.1E-13	1.45E-13	3.51E-12	1.94E-13	3.85275E-12	5.751E-10	4.799E-07	6.02E-08	1.47474E-13	5.11947E-13	9.0596E-14	1.04832E-13
622	570350.6	4178719	0.55, 41787	0.11563	0.10049	90.6137	34.18211	11.32671	4.88316	6.43074E-10	3.51E-12	6.47E-10	5.04E-07	1.19E-09	5.05E-07	6.3E-08	3.96E-10	6.34E-08	2E-13	6.02E-13	3.49E-13	1.64E-13	3.95E-12	2.18E-13	4.33175E-12	6.466E-10	5.0514E-07	6.34E-08	1.65809E-13	5.75596E-13	1.01859E-13	1.17866E-13
623	570390.6	4178719	0.55, 41787	0.13114	0.11521	102.01088	38.97546	12.75136	5.08393	7.29333E-10	4.03E-12	7.33E-10	5.67E-07	1.36E-09	5.69E-07	7.09E-08	4.46E-10	7.14E-08	2.26E-13	6.83E-13	3.96E-13	1.85E-13	4.48E-12	2.47E-13	4.91308E-12	7.334E-10	5.6869E-07	7.14E-08	1.88061E-13	6.52842E-13	1.15529E-13	1.33684E-13
624	570430.6	4178719	0.55, 41787	0.15	0.13322	114.28488	46.41789	14.28561	5.80224	8.34222E-10	4.66E-12	8.39E-10	6.36E-07	1.62E-09	6.37E-07	7.94E-08	4.99E-10	7.99E-08	2.59E-13	7.82E-13	4.52E-13	2.12E-13	5.13E-12	2.83E-13	5.62E-12	8.389E-10	6.3722E-07	7.99E-08	2.15121E-13	7.46776E-13	1.32152E-13	1.52919E-13
625	570470.6	4178719	0.55, 41787	0.17288	0.1553	122.16306	52.59309	15.27038	6.67803	9.61469E-10	5.43E-12	9.67E-10	6.79E-07	1.84E-09	6.81E-07	8.49E-08	5.34E-10	8.55E-08	2.98E-13	9.01E-13	5.22E-13	2.45E-13	5.91E-12	3.26E-13	6.47764E-12	9.669E-10	6.8125E-07	8.55E-08	2.47949E-13	8.60738E-13	1.52319E-13	1.76255E-13
626	570510.6	4178719	0.55, 41787	0.1999	0.18201	126.87173	56.8638	15.85897	8.56143	1.11174E-09	6.36E-12	1.12E-09	7.06E-07	1.99E-09	7.08E-07	8.82E-08	5.54E-10	8.88E-08	3.45E-13	1.04E-12	6.03E-13	2.83E-13	6.83E-12	3.77E-13	7.49063E-12	1.118E-09	7.0758E-07	8.88E-08	2.86724E-13	9.95342E-13	1.76139E-13	2.03818E-13
627	570550.6	4178719	0.55, 41787	0.2328	0.21534	141.7684	62.68438	19.27806	10.36338	1.29471E-09	7.53E-12	1.3E-09	7.88E-07	2.19E-09	7.91E-07	1.07E-07	6.74E-10	1.08E-07	4.02E-13	1.21E-12	7.02E-13	3.29E-13	7.96E-12	4.39E-13	8.72424E-12	1.302E-09	7.9063E-07	1.08E-07	3.33944E-13	1.15926E-12	2.05147E-13	2.37385E-13
628	570590.6	4178719	0.55, 41787	0.2704	0.25529	152.6333	65.86327	21.80476	11.76563	1.50382E-09	8.92E-12	1.51E-09	8.49E-07	2.30E-09	8.51E-07	1.21E-07	7.62E-10	1.22E-07	4.67E-13	1.41E-12	8.16E-13	3.83E-13	9.24E-12	5.1E-13	1.01345E-11	1.513E-09	8.5117E-07	1.22E-07	3.87926E-13	1.34666E-12	2.38309E-13	2.75758E-13
629	570630.6	4178719	0.55, 41787	0.31352	0.30328	160.25221	70.5161	22.89317	12.52474	1.74364E-09	1.06E-11	1.75E-09	8.91E-07	2.46E-09	8.94E-07	1.27E-07	8.00E-10	1.28E-07	5.41E-13	1.63E-12	9.46E-13	4.44E-13	1.07E-11	5.91E-13	1.17524E-11	1.754E-09	8.937E-07	1.28E-07	4.49853E-13	1.56163E-12	2.76352E-13	3.19779E-13
630	570670.6	4178719	0.55, 41787	0.36149	0.3594	159.13882	79.23774	22.73412	14.05012	2.01042E-09	1.26E-11	2.02E-09	8.85E-07	2.77E-09	8.88E-07	1.26E-07	7.95E-10	1.27E-07	6.24E-13	1.88E-12	1.09E-12	5.12E-13	1.24E-11	6.82E-13	1.35528E-11	2.023E-09	8.8782E-07	1.27E-07	5.1877E-13	1.80087E-12	3.18689E-13	3.68768E-13
631	570710.6	4178719	0.55, 41787	0.41184	0.42167	168.39934	82.78202	23.84947	15.22445	2.29044E-09	1.47E-11	2.31E-09	9.37E-07	2.89E-09	9.39E-07	1.33E-07	8.33E-10	1.33E-07	7.11E-13	2.15E-12	1.24E-12	5.83E-13	1.41E-11	7.77E-13	1.54433E-11	2.305E-09	9.3944E-07	1.33E-07	5.91136E-13	2.05209E-12	3.63144E-13	4.2021E-13
632	570750.6	4178719	0.55, 41787	0.46631	0.48852	193.26616	81.97611	24.83922	16.78199	2.59337E-09	1.71E-11	2.61E-09	1.07E-06	2.86E-09	1.08E-06	1.38E-07	8.68E-10	1.39E-07	8.06E-13	2.43E-12	1.41E-12	6.6E-13	1.59E-11	8.8E-13	1.74885E-11	2.61E-09	1.0777E-06	1.39E-07	6.69419E-13	2.32384E-12	4.11235E-13	4.75858E-13
633	570790.6	4178719	0.55, 41787	0.5297	0.5627	208.56721	92.88706	26.09236	23.00092	2.94592E-09	1.97E-11	2.97E-09	1.16E-06	3.25E-09	1.16E-06	1.45E-07	9.12E-10	1.46E-07	9.15E-13	2.76E-12	1.6E-12	7.5E-13	1.81E-11	9.99E-13	1.98677E-11	2.966E-09	1.1632E-06	1.46E-07	7.60489E-13	2.63998E-12	4.67181E-13	5.40595E-13
634	570830.6	4178719	0.55, 41787	0.58417	0.63922	206.25232	102.59816	28.9378	25.69667	3.24885E-09	2.23E-11	3.27E-09	1.15E-06	3.59E-09	1.15E-06	1.61E-07	1.01E-09	1.62E-07	1.01E-12	3.05E-12	1.76E-12	8.27E-13	2E-11	1.1E-12	2.19151E-11	3.271E-09	1.1507E-06	1.62E-07	8.38859E-13	2.91204E-12	5.15325E-13	5.96304E-13
635	570870.6	4178719	0.55, 41787	0.63384	0.71183	208.40577	136.85909	28.70976	24.7437	3.52509E-09	2.49E-11	3.55E-09	1.16E-06	4.78E-09	1.16E-06	1.6E-07	1.00E-09	1.61E-07	1.1E-12	3.31E-12	1.91E-12	8.98E-13	2.17E-11	1.2E-12	2.37827E-11	3.55E-09	1.1638E-06	1.61E-07	9.10348E-13	3.16021E-12	5.59241E-13	6.47122E-13
636	570910.6	4178719	0.55, 41787	0.68401	0.75343	211.07044	124.31957	30.70854	25.49482	3.80411E-09	2.63E-11	3.83E-09	1.17E-06	4.34E-09	1.18E-06	1.71E-07	1.07E-09	1.72E-07	1.18E-12	3.57E-12	2.07E-12	9.69E-13	2.34E-11	1.29E-12	2.56617E-11	3.83E-09	1.1782E-06	1.72E-07	9.82272E-13	3.40989E-12	6.03426E-13	6.9825E-13
637	570950.6	4178719	0.55, 41787	0.69007	0.76497	207.10313	108.18225	30.79195	24.65468	3.83781E-09	2.67E-11	3.86E-09	1.15E-06	3.78E-09	1.16E-06	1.71E-07	1.08E-09	1.72E-07	1.19E-12	3.6E-12	2.08E-12	9.77E-13	2.36E-11	1.3E-12	2.58902E-11	3.865E-09	1.1556E-06	1.72E-07	9.91018E-13	3.44025E-12	6.08798E-13	7.04467E-13
638	570990.6	4178719	0.55, 41787	0.68048	0.74999	206.58356	95.47159	32.17827	21.60129	3.78448E-09	2.62E-11	3.81E-09	1.15E-06	3.34E-09	1.15E-06	1.79E-07	1.12E-09	1.8E-07	1.18E-12	3.55E-12	2.06E-12	9.64E-13	2.33E-11	1.28E-12	2.55294E-11	3.811E-09	1.1522E-06	1.8E-07	9.77207E-13	3.3923E-12	6.00314E-13	6.94649E-13
639	571030.6	4178719	0.55, 41787	0.66194	0.72353	210.3532	86.11281	30.372	18.42489	3.68137E-09	2.53E-11	3.71E-09	1.17E-06	3.01E-09	1.17E-06	1.69E-07	1.06E-09	1.7E-07	1.14E-12	3.45E-12	2E-12	9.38E-13	2.26E-11	1.25E-12	2.48324E-11	3.707E-09	1.1729E-06	1.7E-07	9.50528E-13	3.29969E-12	5.83925E-13	6.75684E-13
640	571070.6	4178719	0.55, 41787	0.64029	0.68839	181.70859	76.31707	22.73215	15.52213	3.56096E-09	2.41E-11	3.59E-09	1.01E-06	2.67E-09	1.01E-06	1.26E-07	7.94E-10	1.27E-07	1.11E-12	3.34E-12	1.93E-12	9.07E-13	2.19E-11	1.21E-12	2.40175E-11	3.585E-09	1.0132E-06	1.27E-07	9.19336E-13	3.19141E-12	5.64763E-13	6.53512E-13
641	571110.6	4178719	0.55, 41787	0.60626	0.64543	207.95149	70.27092	26.16426	14.32632	3.3717E-09	2.26E-11	3.39E-09	1.16E-06	2.46E-09	1.16E-06	1.46E-07	9.14E-10	1.46E-07	1.05E-12	3.16E-12	1.83E-12	8.58E-13	2.07E-11	1.14E-12	2.27396E-11	3.394E-09	1.159E-06	1.46E-07	8.70419E-13	3.0216E-12	5.34712E-13	6.18739E-13
642	571150.6	4178719	0.55, 41787	0.57256	0.60327	200.64391	66.12781	25.68735	14.52342	3.18428E-09	2.11E-11	3.21E-09	1.12E-06	2.31E-09	1.12E-06	1.43E-07	8.98E-10	1.44E-07	9.89E-13	2.99E-12	1.73E-12	8.11E-13	1.96E-11	1.08E-12	2.14741E-11	3.205E-09	1.1182E-06	1.44E-07	8.21979E-13	2.85344E-12	5.04955E-13	5.84305E-13
643	571190.6	4178719	0.55, 41787	0.53842	0.56251	154.3512	63.9477	22.19645	14.00077	2.99441E-09	1.97E-11	3.01E-09	8.58E-07	2.23E-09	8.61E-07	1.23E-07	7.76E-10	1.24E-07	9.3E-13	2.81E-12	1.63E-12	7.62E-13	1.84E-11	1.02E-12	2.01925E-11	3.014E-09	8.6066E-07	1.24E-07	7.72924E-13	2.68315E-12	4.7482E-13	5.49434E-13
644	571230.6	4178719	0.55, 41787	0.49735	0.52247	159.72675	60.41971	22.34048	12.75874	2.766E-09	1.83E-11	2.78E-09	8.88E-07	2.11E-09	8.9E-07	1.24E-07	7.81E-10	1.25E-07	8.59E-13	2.59E-12	1.5E-12	7.04E-13	1.7E-11	9.38E-13	1.86529E-11	2.784E-09	8.9043E-07	1.25E-07	7.13992E-13	2.47857E-12	4.38617E-13	5.07542E-13
645	571270.6	4178719	0.55, 41787	0.45612	0.4836	144.14128	55.22387	20.17616	11.51496	2.5367E-09	1.69E-11	2.55E-09	8.02E-07	1.93E-09	8.04E-07	1.12E-07	7.05E-10	1.13E-07	7.88E-13	2.38E-12	1.38E-12	6.46E-13	1.56E-11	8.61E-13	1.71077E-11	2.554E-09	8.0357E-07	1.13E-07	6.54842E-13	2.27324E-12	4.0228E-13	4.65496E-13
646	571310.6	4178719	0.55, 41787	0.42006	0.44717	118.44349	52.26024	17.97136	10.56882	2.33616E-09	1.56E-11	2.35E-09	6.59E-07	1.83E-09	6.61E-07	9.99E-08	6.28E-10	1.01E-07	7.26E-13	2.19E-12	1.27E-12	5.95E-13	1.44E-11	7.93E-13	1.57556E-11	2.352E-09	6.6055E-07	1.01E-07	6.03088E-13	2.09358E-12	3.70487E-13	4.28706E-13
647	571350.6	4178719	0.55, 41787	0.38785	0.41385	109.17018	50.24459	14.07795	10.0186	2.15702E-09	1.45E-11	2.17E-09	6.07E-07	1.76E-09	6.09E-07	7.83E-08	4.92E-10	7.88E-08	6.7E-13	2.02E-12	1.17E-12	5.49E-13	1.33E-11	7.32E-13	1.45477E-11	2.171E-09	6.089E-07	7.88E-08	5.56852E-13	1.93307E-12	3.42083E-13	3.95839E-13
648	571390.6	4178719	0.55, 41787	0.35875	0.38356	87.70597	48.80309	10.96325	9.64341	1.99518E-09	1.34E-11	2.01E-09	4.88E-07	1.71E-09	4.89E-07	6.1E-08	3.83E-10	6.14E-08	6.2E-13	1.87E-12	1.08E-12	5.08E-13	1.23E-11	6.77E-13	1.34564E-11	2.009E-09	4.8948E-07	6.14E-08	5.15079E-13	1.78806E-12	3.16421E-13	3.66144E-13
649	571430.6	4178719	0.55, 41787	0.33385	0.35563	80.9107	47.09106	11.59229	8.99084	1.8567E-09	1.24E-11	1.87E-09	4.5E-07	1.65E-09	4.52E-07	6.45E-08	4.05E-10	6.49E-08	5.77E-13	1.74E-12	1.01E-12	4.73E-13	1.14E-11	6.3E-13	1.25221E-11	1.869E-09	4.5163E-07	6.49E-08	4.79316E-13	1.66391E-12	2.94452E-13	3.40723E-13
650	571470.6	4178719	0.55, 41787	0.31507	0.33052	111.40642	45.19171	15.57659	8.16367	1.75226E-09	1.16E-11	1.76E-09	6.2E-07	1.58E-09	6.21E-07	8.66E-08	5.44E-10	8.72E-08	5.44E-13	1.64E-12	9.51E-13	4.46E-13	1.08E-11	5.94E-13	1.18165E-11	1.764E-09	6.2116E-07	8.72E-08	4.52308E-13	1.57015E-12	2.7786E-13	3.21524E-13
651	571510.6	4178719	0.55, 41787	0.29891	0.30701	116.70467	43.07153	15.95519	7.46065	1.66238E-09	1.07E-11	1.67E-09	6.49E-07	1.51E-09	6.51E-07	8.87E-08	5.58E-10	8.93E-08	5.16E-13	1.56E-12	9.02E-13	4.23E-13	1.02E-11	5.64E-13	1.12089E-11	1.673E-09	6.5056E-07	8.93E-08	4.2905E-13	1.48942E-12	2.63572E-13	3.04991E-13
652	571550.6	4178719	0.55, 41787	0.28299	0.28542	93.20798	40.2806	12.81909	6.80365	1.57384E-09	9.97E-12	1.58E-09	5.18E-07	1.41E-09	5.2E-07	7.13E-08	4.48E-10	7.17E-08	4.89E-13	1.48E-12	8.54E-13	4.01E-13	9.68E-12	5.34E-13	1.06107E-11	1.584E-09	5.1978E-07	7.17E-08	4.06152E-13	1.40993E-12	2.49506E-13	2.88714E-13
653	571590.6	4178719	0.55, 41787	0.2649	0.26495	84.18961	37.57199	12.02709	5.93847	1.47324E-09	9.26E-12	1.48E-09	4.68E-07	1.31E-09	4.7E-07	6.69E-08	4.20E-10	6.73E-08	4.57E-13	1.38E-12	8E-13	3.75E-13	9.06E-12	5E-13	9.93186E-12	1.482E-09	4.6953E-07	6.73E-08	3.80169E-13	1.31973E-12	2.33544E-13	2.70244E-13
654	570310.6	4178759	0.55, 41787	0.10291	0.08971	86.89901	32.22927	10.86238	4.40505	5.72332E-10	3.14E-12	5.75E-10	4.83E-07	1.13E-09	4.84E-07	6.04E-08	3.80E-10	6.08E-08	1.78E-13	5.36E-13	3.1E-13	1.46E-13	3.52E-12	1.94E-13	3.8553E-12	5.755E-10	4.8441E-07	6.08E-08	1.47572E-13	5.12285E-13	9.06558E-14	1.04902E-13
655	570350.6	4178759	0.55, 41787	0.11544	0.10167	97.89636	38.6449	12.23704	4.83061	6.42017E-10	3.55E-12	6.46E-10	5.44E-07	1.35E-09	5.46E-07	6.81E-08	4.28E-10	6.85E-08	1.99E-13	6.01E-13	3.48E-13	1.63E-13	3.94E-12	2.18E-13	4.32495E-12	6.456E-10	5.458E-07	6.85E-08	1.65549E-13	5.74692E-13	1.01699E-13	1.17681E-13
656	570390.6	4178759	0.55, 41787	0.13027	0.11595	105.67733	44.34348	13.20967	5.54293	7.24494E-10	4.05E-12	7.29E-10	5.88E-07	1.55E-09	5.89E-07	7.35E-08	4.62E-10	7.39E-08	2.25E-13	6.79E-13	3.93E-13	1.84E-13	4.45E-12	2.46E-13	4.88084E-12	7.285E-10	5.8927E-07	7.39E-08	1.86827E-13	6.48558E-13	1.14771E-13	1.32806E-13
657	570430.6	4178759	0.55, 41787	0.14773	0.133	109.21499	48.49986	13.65187	6.24447	8.21598E-10	4.65E-12	8.26E-10	6.07E-07	1.69E-09	6.09E-07	7.59E-08	4.77E-10	7.64E-08	2.55E-13	7.7E-13	4.46E-13	2.09E-13	5.05E-12	2.78E-13	5.53537E-12	8.262E-10	6.0909E-07	7.64E-08	2.11881E-13	7.3553E-13	1.30162E-13	1.50616E-13
658	570470.6	4178759	0.55, 41787	0.16767	0.15301	117.79795	52.53636	14.72474	7.71399	9.32494E-10	5.35E-12	9.38E-10	6.55E-07	1.84E-09	6.57E-07	8.19E-08	5.15E-10	8.24E-08	2.89E-13	8.74E-13	5.06E-13	2.37E-13	5.73E-12	3.16E-13	6.28299E-12	9.378E-10	6.5697E-07	8.24E-08	2.40498E-13	8.34873E-13	1.47742E-13	1.70959E-13
659	570510.6	4178759	0.55, 41787	0.191	0.17712	128.29828	56.17436	17.6792	9.03197	1.06224E-09	6.19E-12	1.07E-09	7.14E-07	1.96E-09	7.15E-07	9.83E-08	6.18E-10	9.89E-08	3.3E-13	9.95E-13	5.76E-13	2.7E-13	6.53E-12	3.6E-13	7.15788E-12	1.068E-09	7.1549E-07	9.89E-08	2.73987E-13	9.51127E-13	1.68315E-13	1.94764E-13
660	570550.6	4178759	0.55, 41787	0.21672	0.20498	137.63049	58.52483	19.6615	9.95092	1.20528E-09	7.16E-12	1.21E-09	7.65E-07	2.05E-09	7.67E-07	1.09E-07	6.87E-10	1.1E-07	3.74E-13	1.13E-12	6.54E-13	3.07E-13	7.41E-12	4.09E-13	8.1227E-12	1.212E-09	7.6747E-07	1.1E-07	3.10918E-13	1.07933E-12	1.91002E-13	2.21017E-13
661	570590.6	4178759	0.55, 41787	0.24504	0.23724	142.23889	62.68425	20.31984	10.25836	1.36279E-09	8.29E-12	1.37E-09	7.91E-07	2.19E-09	7.93E-07	1.13E-07	7.10E-10	1.14E-07	4.23E-13	1.28E-12	7.4E-13	3.47E-13	8.38E-12	4.62E-13	9.18542E-12	1.371E-09	7.9325E-07	1.14E-07	3.51597E-13	1.22054E-12	2.15992E-13	2.49933E-13
662	570630.6	4178759	0.55, 41787	0.27554	0.27375	139.19636	70.02218	19.61007	11.07526	1.53241E-09	9.57E-12	1.54E-09	7.74E-07	2.45E-09	7.77E-07	1.09E-07	6.85E-10	1.1E-07	4.76E-13	1.44E-12	8.32E-13	3.9E-13	9.42E-12	5.2E-13	1.03304E-11	1.542E-09	7.7659E-07	1.1E-07	3.95422E-13	1.37268E-12	2.42914E-13	2.81087E-13
663	570670.6	4178759	0.55, 41787	0.30614	0.31293	149.31547	72.47289	21.10931	12.07881	1.70259E-09	1.09E-11	1.71E-09	8.3E-07	2.53E-09	8.33E-07	1.17E-07	7.38E-10	1.18E-07	5.29E-13	1.6E-12	9.24E-13	4.33E-13	1.05E-11	5.78E-13	1.14796E-11	1.714E-09	8.3295E-07	1.18E-07	4.39414E-13	1.5254E-12	2.69939E-13	3.12358E-13
664	570710.6	4178759	0.55, 41787	0.33494	0.35231	164.794	71.08708	21.55176	13.08376	1.86276E-09	1.23E-11	1.88E-09	9.16E-07	2.48E-09	9.19E-07	1.2E-07	7.53E-10	1.21E-07	5.79E-13	1.75E-12	1.01E-12	4.74E-13	1.15E-11	6.32E-13	1.25619E-11	1.875E-09	9.1898E-07	1.21E-07	4.80841E-13	1.66921E-12	2.95389E-13	3.41807E-13
665	570750.6	4178759	0.55, 41787	0.36674	0.3924	179.38877	78.60477	22.4236	16.36841	2.03962E-09	1.37E-11	2.05E-09	9.98E-07	2.75E-09	1E-06	1.25E-07	7.84E-10	1.25E-07	6.34E-13	1.91E-12	1.11E-12	5.19E-13	1.25E-11	6.92E-13	1.37561E-11	2.053E-09	1.0004E-06	1.25E-07	5.26553E-13	1.82789E-12	3.2347E-13	3.74301E-13
666	570790.6	4178759	0.55, 41787	0.40357	0.43625	166.36606	82.34558	21.7564	19.87746	2.24445E-09	1.52E-11	2.26E-09	9.25E-07	2.88E-09	9.28E-07	1.21E-07	7.60E-10	1.22E-07	6.97E-13	2.11E-12	1.22E-12	5.72E-13	1.38E-11	7.62E-13	1.51386E-11	2.26E-09	9.2812E-07	1.22E-07	5.79472E-13	2.0116E-12	3.55979E-13	4.11919E-13
667	570830.6	4178759	0.55, 41787	0.43354	0.48203	188.6599	98.62945	24.95504	19.43466	2.41112E-09	1.68E-11	2.43E-09	1.05E-06	3.45E-09	1.05E-06	1.39E-07	8.72E-10	1.4E-07	7.49E-13	2.26E-12	1.31E-12	6.14E-13	1.48E-11	8.18E-13	1.6266E-11	2.428E-09	1.0527E-06	1.4E-07	6.22625E-13	2.1614E-12	3.82489E-13	4.42594E-13
668	570870.6	4178759	0.55, 41787	0.46387	0.52331	172.12292	120.25167	21.51536	18.67269	2.5798E-09	1.83E-11	2.6E-09	9.57E-07	4.20E-09	9.61E-07	1.2E-07	7.52E-10	1.2E-07	8.02E-13	2.42E-12	1.4E-12	6.57E-13	1.59E-11	8.76E-13	1.74057E-11	2.598E-09	9.6146E-07	1.2E-07	6.66251E-13	2.31284E-12	4.09289E-13	4.73605E-13
669	570910.6	4178759	0.55, 41787	0.49085	0.54778	176.15826	108.72169	23.43896	19.655	2.72985E-09	1.91E-11	2.75E-09	9.8E-07	3.80E-09	9.84E-07	1.3E-07	8.19E-10	1.31E-07	8.48E-13	2.56E-12	1.48E-12	6.95E-13	1.68E-11	9.27E-13	1.84167E-11	2.749E-09	9.835E-07	1.31E-07	7.04948E-13	2.44718E-12	4.33061E-13	5.01114E-13
670	570950.6	4178759	0.55, 41787	0.48762	0.55475	180.46301	97.04885	24.36206	20.46933	2.71189E-09	1.94E-11	2.73E-09	1E-06	3.39E-09	1.01E-06	1.35E-07	8.51E-10	1.36E-07	8.43E-13	2.54E-12	1.47E-12	6.91E-13	1.67E-11	9.21E-13	1.8298E-11	2.731E-09	1.007E-06	1.36E-07	7.00404E-13	2.4314E-12	4.3027E-13	4.97884E-13
671	570990.6	4178759	0.55, 41787	0.49051	0.55159	151.23194	87.28492	25.20532	17.38113	2.72796E-09	1.93E-11	2.75E-09	8.41E-07	3.05E-09	8.44E-07	1.4E-07	8.81E-10	1.41E-07	8.48E-13	2.56E-12	1.48E-12	6.95E-13	1.68E-11	9.26E-13	1.84049E-11	2.747E-09	8.4412E-07	1.41E-07	7.04498E-13	2.44561E-12	4.32784E-13	5.00793E-13
672	571030.6	4178759	0.55, 41787	0.48428	0.53663	187.58168	78.86438	28.06386	15.68835	2.69331E-09	1.88E-11	2.71E-09	1.04E-06	2.76E-09	1.05E-06	1.56E-07	9.81E-10	1.57E-07	8.37E-13	2.53E-12	1.46E-12	6.86E-13	1.66E-11	9.14E-13	1.81693E-11	2.712E-09	1.046E-06	1.57E-07	6.95478E-13	2.4143E-12	4.27244E-13	4.94382E-13
673	571070.6	4178759	0.55, 41787	0.467	0.51625	163.79974	72.83551	22.54296	13.46245	2.59721E-09	1.80E-11	2.62E-09	9.11E-07	2.55E-09	9.14E-07	1.25E-07	7.88E-10	1.26E-07	8.07E-13	2.44E-12	1.41E-12	6.61E-13	1.6E-11	8.81E-13	1.75207E-11	2.615E-09	9.1351E-07	1.26E-07	6.70651E-13	2.32812E-12	4.11992E-13	4.76734E-13
674	571110.6	4178759	0.55, 41787	0.44755	0.4933	157.0432	65.36033	19.63651	11.35189	2.48904E-09	1.72E-11	2.51E-09	8.73E-07	2.28E-09	8.76E-07	1.09E-07	6.86E-10	1.1E-07	7.73E-13	2.34E-12	1.35E-12	6.34E-13	1.53E-11	8.45E-13	1.67906E-11	2.506E-09	8.7568E-07	1.1E-07	6.42707E-13	2.23111E-12	3.94825E-13	4.56869E-13
675	571150.6	4178759	0.55, 41787	0.4302	0.46818	183.98767	62.14189	23.05685	11.54043	2.39255E-09	1.64E-11	2.41E-09	1.02E-06	2.17E-09	1.03E-06	1.28E-07	8.06E-10	1.29E-07	7.43E-13	2.24E-12	1.3E-12	6.09E-13	1.47E-11	8.12E-13	1.61383E-11	2.409E-09	1.0254E-06	1.29E-07	6.17737E-13	2.14443E-12	3.79486E-13	4.3912E-13
676	571190.6	4178759	0.55, 41787	0.41561	0.44245	166.33485	59.4631	21.02615	11.70076	2.31141E-09	1.55E-11	2.33E-09	9.25E-07	2.08E-09	9.27E-07	1.17E-07	7.35E-10	1.18E-07	7.18E-13	2.17E-12	1.26E-12	5.89E-13	1.42E-11	7.84E-13	1.55887E-11	2.327E-09	9.2715E-07	1.18E-07	5.96699E-13	2.0714E-12	3.66562E-13	4.24164E-13
677	571230.6	4178759	0.55, 41787	0.39577	0.41616	133.04594	57.55284	19.00656	11.25795	2.20107E-09	1.45E-11	2.22E-09	7.4E-07	2.01E-09	7.42E-07	1.06E-07	6.64E-10	1.06E-07	6.84E-13	2.06E-12	1.2E-12	5.6E-13	1.35E-11	7.47E-13	1.48433E-11	2.216E-09	7.4194E-07	1.06E-07	5.68168E-13	1.97235E-12	3.49035E-13	4.03883E-13
678	571270.6	4178759	0.55, 41787	0.36933	0.38979	133.93343	52.76944	18.49966	10.32502	2.05402E-09	1.36E-11	2.07E-09	7.45E-07	1.84E-09	7.47E-07	1.03E-07	6.47E-10	1.04E-07	6.38E-13	1.93E-12	1.12E-12	5.23E-13	1.26E-11	6.97E-13	1.3852E-11	2.068E-09	7.4671E-07	1.04E-07	5.30223E-13	1.84063E-12	3.25725E-13	3.7691E-13
679	571310.6	4178759	0.55, 41787	0.3411	0.36413	131.1619	50.25063	18.11843	9.56125	1.89702E-09	1.27E-11	1.91E-09	7.29E-07	1.76E-09	7.31E-07	1.01E-07	6.33E-10	1.01E-07	5.89E-13	1.78E-12	1.03E-12	4.83E-13	1.17E-11	6.44E-13	1.27942E-11	1.91E-09	7.3121E-07	1.01E-07	4.89732E-13	1.70007E-12	3.00851E-13	3.48127E-13
680	571350.6	4178759	0.55, 41787	0.31543	0.34037	103.20737	47.94128	14.62528	9.08266	1.75426E-09	1.19E-11	1.77E-09	5.74E-07	1.68E-09	5.76E-07	8.13E-08	5.11E-10	8.18E-08	5.45E-13	1.65E-12	9.53E-13	4.47E-13	1.08E-11	5.95E-13	1.18322E-11	1.766E-09	5.7566E-07	8.18E-08	4.5291E-13	1.57224E-12	2.7823E-13	3.21951E-13
681	571390.6	4178759	0.55, 41787	0.29206	0.31801	95.20975	46.26011	11.90122	8.7596	1.62429E-09	1.11E-11	1.64E-09	5.3E-07	1.62E-09	5.31E-07	6.62E-08	4.16E-10	6.66E-08	5.05E-13	1.52E-12	8.82E-13	4.14E-13	9.99E-12	5.51E-13	1.09562E-11	1.635E-09	5.3112E-07	6.66E-08	4.19379E-13	1.45585E-12	2.57632E-13	2.98117E-13
682	571430.6	4178759	0.55, 41787	0.27184	0.29676	65.82255	44.97926	8.48847	8.42183	1.51183E-09	1.04E-11	1.52E-09	3.66E-07	1.57E-09	3.68E-07	4.72E-08	2.97E-10	4.75E-08	4.7E-13	1.42E-12	8.21E-13	3.85E-13	9.3E-12	5.13E-13	1.01979E-11	1.522E-09	3.6764E-07	4.75E-08	3.90352E-13	1.35508E-12	2.39799E-13	2.77482E-13
683	571470.6	4178759	0.55, 41787	0.25781	0.27877	74.19853	43.62462	10.92817	7.8818	1.43381E-09	9.74E-12	1.44E-09	4.13E-07	1.52E-09	4.14E-07	6.08E-08	3.82E-10	6.12E-08	4.45E-13	1.34E-12	7.79E-13	3.65E-13	8.82E-12	4.87E-13	9.67093E-12	1.444E-09	4.1418E-07	6.12E-08	3.70181E-13	1.28506E-12	2.27408E-13	2.63144E-13
684	571510.6	4178759	0.55, 41787	0.24715	0.26193	102.14842	42.0514	14.2101	7.23025	1.37452E-09	9.15E-12	1.38E-09	5.68E-07	1.47E-09	5.7E-07	7.9E-08	4.97E-10	7.95E-08	4.27E-13	1.29E-12	7.46E-13	3.5E-13	8.45E-12	4.66E-13	9.26981E-12	1.384E-09	5.6957E-07	7.95E-08	3.54827E-13	1.23176E-12	2.17976E-13	2.52229E-13
685	571550.6	4178759	0.55, 41787	0.23772	0.24585	104.82233	40.15762	14.31586	6.66643	1.32208E-09	8.59E-12	1.33E-09	5.83E-07	1.40E-09	5.84E-07	7.96E-08	5.00E-10	8.01E-08	4.11E-13	1.24E-12	7.18E-13	3.37E-13	8.13E-12	4.48E-13	8.9147E-12	1.331E-09	5.8437E-07	8.01E-08	3.41234E-13	1.18457E-12	2.09626E-13	2.42567E-13
686	571590.6	4178759	0.55, 41787	0.22808	0.23097	83.60184	37.747	11.46846	6.12919	1.26846E-09	8.07E-12	1.28E-09	4.65E-07	1.32E-09	4.66E-07	6.38E-08	4.01E-10	6.42E-08	3.94E-13	1.19E-12	6.89E-13	3.23E-13	7.8E-12	4.3E-13	8.55204E-12	1.277E-09	4.6627E-07	6.42E-08	3.27352E-13	1.13638E-12	2.01098E-13	2.32699E-13
687	570310.6	4178799	0.55, 41787	0.10253	0.09048	92.22772	37.68456	11.52846	4.71057	5.70219E-10	3.16E-12	5.73E-10	5.13E-07	1.32E-09	5.14E-07	6.41E-08	4.03E-10	6.45E-08	1.77E-13	5.34E-13	3.09E-13	1.45E-13	3.5E-12	1.93E-13	3.84132E-12	5.734E-10	5.1424E-07	6.45E-08	1.47037E-13	5.10428E-13	9.03271E-14	1.04521E-13
688	570350.6	4178799	0.55, 41787	0.11434	0.10195	96.42289	41.82094	12.05286	5.22762	6.359E-10	3.56E-12	6.39E-10	5.36E-07	1.46E-09	5.38E-07	6.7E-08	4.21E-10	6.75E-08	1.97E-13	5.96E-13	3.45E-13	1.62E-13	3.91E-12	2.16E-13	4.28403E-12	6.395E-10	5.3772E-07	6.75E-08	1.63983E-13	5.69255E-13	1.00737E-13	1.16567E-13
689	570390.6	4178799	0.55, 41787	0.12785	0.11532	96.70849	44.28794	12.08856	5.83168	7.11035E-10	4.03E-12	7.15E-10	5.38E-07	1.55E-09	5.39E-07	6.72E-08	4.22E-10	6.77E-08	2.21E-13	6.66E-13	3.86E-13	1.81E-13	4.37E-12	2.41E-13	4.79052E-12	7.151E-10	5.3939E-07	6.77E-08	1.8337E-13	6.36557E-13	1.12647E-13	1.30349E-13
690	570430.6	4178799	0.55, 41787	0.14288	0.13064	109.4746	48.39009	13.83026	6.97525	7.94625E-10	4.57E-12	7.99E-10	6.09E-07	1.69E-09	6.11E-07	7.69E-08	4.83E-10	7.74E-08	2.47E-13	7.45E-13	4.31E-13	2.02E-13	4.88E-12	2.69E-13	5.35411E-12	7.992E-10	6.1053E-07	7.74E-08	2.04943E-13	7.11445E-13	1.259E-13	1.45684E-13
691	570470.6	4178799	0.55, 41787	0.15993	0.14857	116.3647	50.80214	16.31235	7.92735	8.89448E-10	5.19E-12	8.95E-10	6.47E-07	1.78E-09	6.49E-07	9.07E-08	5.70E-10	9.13E-08	2.76E-13	8.34E-13	4.83E-13	2.26E-13	5.47E-12	3.02E-13	5.99357E-12	8.946E-10	6.4894E-07	9.13E-08	2.2942E-13	7.96415E-13	1.40936E-13	1.63084E-13
692	570510.6	4178799	0.55, 41787	0.17816	0.16871	124.77861	52.11481	17.82552	8.49382	9.90834E-10	5.90E-12	9.97E-10	6.94E-07	1.82E-09	6.96E-07	9.91E-08	6.23E-10	9.98E-08	3.08E-13	9.29E-13	5.38E-13	2.52E-13	6.09E-12	3.36E-13	6.67751E-12	9.967E-10	6.9578E-07	9.98E-08	2.556E-13	8.87296E-13	1.57019E-13	1.81693E-13
693	570550.6	4178799	0.55, 41787	0.19752	0.19131	126.89522	56.18657	18.12789	8.51005	1.0985E-09	6.69E-12	1.11E-09	7.06E-07	1.96E-09	7.08E-07	1.01E-07	6.34E-10	1.01E-07	3.41E-13	1.03E-12	5.96E-13	2.8E-13	6.75E-12	3.72E-13	7.40413E-12	1.105E-09	7.0769E-07	1.01E-07	2.83413E-13	9.83848E-13	1.74105E-13	2.01465E-13
694	570590.6	4178799	0.55, 41787	0.21773	0.21627	122.68072	62.5324	17.14296	9.80776	1.2109E-09	7.56E-12	1.22E-09	6.82E-07	2.19E-09	6.84E-07	9.53E-08	5.99E-10	9.59E-08	3.76E-13	1.14E-12	6.57E-13	3.08E-13	7.44E-12	4.11E-13	8.16297E-12	1.218E-09	6.8447E-07	9.59E-08	3.1246E-13	1.08468E-12	1.91949E-13	2.22113E-13
695	570630.6	4178799	0.55, 41787	0.23771	0.24268	133.9153	64.36556	18.95021	10.72759	1.32202E-09	8.48E-12	1.33E-09	7.45E-07	2.25E-09	7.47E-07	1.05E-07	6.62E-10	1.06E-07	4.11E-13	1.24E-12	7.18E-13	3.37E-13	8.13E-12	4.48E-13	8.91358E-12	1.331E-09	7.4702E-07	1.06E-07	3.41192E-13	1.18442E-12	2.09599E-13	2.42537E-13
696	570670.6	4178799	0.55, 41787	0.25595	0.26895	141.94782	63.09907	19.13844	10.57117	1.42346E-09	9.40E-12	1.43E-09	7.89E-07	2.21E-09	7.92E-07	1.06E-07	6.69E-10	1.07E-07	4.42E-13	1.34E-12	7.73E-13	3.62E-13	8.75E-12	4.83E-13	9.59933E-12	1.433E-09	7.9165E-07	1.07E-07	3.6744E-13	1.27554E-12	2.25725E-13	2.61196E-13
697	570710.6	4178799	0.55, 41787	0.27273	0.29382	157.12572	66.69563	19.64072	11.93189	1.51678E-09	1.03E-11	1.53E-09	8.74E-07	2.33E-09	8.76E-07	1.09E-07	6.86E-10	1.1E-07	4.71E-13	1.42E-12	8.24E-13	3.86E-13	9.33E-12	5.15E-13	1.02304E-11	1.527E-09	8.7618E-07	1.1E-07	3.91595E-13	1.35939E-12	2.40563E-13	2.78366E-13
698	570750.6	4178799	0.55, 41787	0.29355	0.31916	152.65771	72.44297	19.08221	15.18472	1.63257E-09	1.12E-11	1.64E-09	8.49E-07	2.53E-09	8.52E-07	1.06E-07	6.67E-10	1.07E-07	5.07E-13	1.53E-12	8.87E-13	4.16E-13	1E-11	5.54E-13	1.1012E-11	1.644E-09	8.5153E-07	1.07E-07	4.21515E-13	1.46326E-12	2.58943E-13	2.99634E-13
699	570790.6	4178799	0.55, 41787	0.31688	0.34759	157.73005	72.26845	20.13646	16.34526	1.76232E-09	1.21E-11	1.77E-09	8.77E-07	2.53E-09	8.8E-07	1.12E-07	7.04E-10	1.13E-07	5.48E-13	1.65E-12	9.57E-13	4.49E-13	1.08E-11	5.98E-13	1.18879E-11	1.774E-09	8.7974E-07	1.13E-07	4.55042E-13	1.57965E-12	2.7954E-13	3.23467E-13
700	570830.6	4178799	0.55, 41787	0.33524	0.37796	162.23746	94.66133	21.09567	14.73083	1.86443E-09	1.32E-11	1.88E-09	9.02E-07	3.31E-09	9.06E-07	1.17E-07	7.37E-10	1.18E-07	5.79E-13	1.75E-12	1.01E-12	4.75E-13	1.15E-11	6.33E-13	1.25791E-11	1.878E-09	9.0559E-07	1.18E-07	4.81499E-13	1.67149E-12	2.95793E-13	3.42274E-13
701	570870.6	4178799	0.55, 41787	0.35595	0.40358	158.80625	107.46352	19.85078	16.70272	1.97961E-09	1.41E-11	1.99E-09	8.83E-07	3.76E-09	8.87E-07	1.1E-07	6.94E-10	1.11E-07	6.15E-13	1.86E-12	1.08E-12	5.04E-13	1.22E-11	6.72E-13	1.33567E-11	1.994E-09	8.8695E-07	1.11E-07	5.11265E-13	1.77482E-12	3.14078E-13	3.63433E-13
702	570910.6	4178799	0.55, 41787	0.3676	0.41723	150.41188	96.98395	18.80149	15.72408	2.0444E-09	1.46E-11	2.06E-09	8.37E-07	3.39E-09	8.4E-07	1.05E-07	6.57E-10	1.05E-07	6.35E-13	1.92E-12	1.11E-12	5.21E-13	1.26E-11	6.94E-13	1.3794E-11	2.059E-09	8.399E-07	1.05E-07	5.28002E-13	1.83292E-12	3.2436E-13	3.75331E-13
703	570950.6	4178799	0.55, 41787	0.34637	0.40141	159.46188	87.41269	19.93273	16.48069	1.92633E-09	1.40E-11	1.94E-09	8.87E-07	3.05E-09	8.9E-07	1.11E-07	6.97E-10	1.12E-07	5.99E-13	1.81E-12	1.05E-12	4.91E-13	1.19E-11	6.54E-13	1.29993E-11	1.94E-09	8.899E-07	1.12E-07	4.97582E-13	1.72732E-12	3.05673E-13	3.53707E-13
704	570990.6	4178799	0.55, 41787	0.35579	0.40756	119.48057	79.68844	17.5796	14.60553	1.97872E-09	1.42E-11	1.99E-09	6.64E-07	2.78E-09	6.67E-07	9.78E-08	6.14E-10	9.84E-08	6.15E-13	1.86E-12	1.07E-12	5.04E-13	1.22E-11	6.72E-13	1.33517E-11	1.993E-09	6.6727E-07	9.84E-08	5.11072E-13	1.77415E-12	3.1396E-13	3.63297E-13
705	571030.6	4178799	0.55, 41787	0.37225	0.416	155.14917	72.93395	24.86673	12.948	2.07026E-09	1.45E-11	2.08E-09	8.63E-07	2.55E-09	8.65E-07	1.38E-07	8.69E-10	1.39E-07	6.43E-13	1.94E-12	1.12E-12	5.27E-13	1.27E-11	7.03E-13	1.3967E-11	2.085E-09	8.6541E-07	1.39E-07	5.34623E-13	1.8559E-12	3.28427E-13	3.80037E-13
706	571070.6	4178799	0.55, 41787	0.3594	0.40135	158.59146	67.81733	22.65592	11.74555	1.9988E-09	1.40E-11	2.01E-09	8.82E-07	2.37E-09	8.84E-07	1.26E-07	7.92E-10	1.27E-07	6.21E-13	1.88E-12	1.09E-12	5.09E-13	1.23E-11	6.78E-13	1.34847E-11	2.013E-09	8.8437E-07	1.27E-07	5.16165E-13	1.79183E-12	3.17089E-13	3.66917E-13
707	571110.6	4178799	0.55, 41787	0.34191	0.38638	133.9595	62.41991	16.74494	10.40332	1.90153E-09	1.35E-11	1.92E-09	7.45E-07	2.18E-09	7.47E-07	9.31E-08	5.85E-10	9.37E-08	5.91E-13	1.78E-12	1.03E-12	4.84E-13	1.17E-11	6.45E-13	1.28296E-11	1.915E-09	7.4719E-07	9.37E-08	4.91087E-13	1.70477E-12	3.01683E-13	3.4909E-13
708	571150.6	4178799	0.55, 41787	0.32926	0.37153	140.52662	58.47073	17.56829	9.74512	1.83117E-09	1.30E-11	1.84E-09	7.82E-07	2.04E-09	7.84E-07	9.77E-08	6.14E-10	9.83E-08	5.69E-13	1.72E-12	9.95E-13	4.66E-13	1.13E-11	6.22E-13	1.23548E-11	1.844E-09	7.8358E-07	9.83E-08	4.72913E-13	1.64168E-12	2.90518E-13	3.36171E-13
709	571190.6	4178799	0.55, 41787	0.32393	0.35615	162.80337	55.99612	20.37225	9.46414	1.80153E-09	1.24E-11	1.81E-09	9.05E-07	1.96E-09	9.07E-07	1.13E-07	7.12E-10	1.14E-07	5.6E-13	1.69E-12	9.78E-13	4.59E-13	1.11E-11	6.11E-13	1.21526E-11	1.814E-09	9.0738E-07	1.14E-07	4.65173E-13	1.61482E-12	2.85764E-13	3.30669E-13
710	571230.6	4178799	0.55, 41787	0.31732	0.33876	141.0743	54.42569	17.72831	9.52966	1.76477E-09	1.18E-11	1.78E-09	7.85E-07	1.90E-09	7.86E-07	9.86E-08	6.20E-10	9.92E-08	5.48E-13	1.66E-12	9.58E-13	4.49E-13	1.09E-11	5.99E-13	1.19022E-11	1.777E-09	7.8648E-07	9.92E-08	4.55591E-13	1.58155E-12	2.79877E-13	3.23857E-13
711	571270.6	4178799	0.55, 41787	0.30415	0.32027	116.54381	51.24633	16.64912	9.13765	1.69152E-09	1.12E-11	1.7E-09	6.48E-07	1.79E-09	6.5E-07	9.26E-08	5.82E-10	9.32E-08	5.25E-13	1.59E-12	9.18E-13	4.31E-13	1.04E-11	5.74E-13	1.14072E-11	1.703E-09	6.4995E-07	9.32E-08	4.36642E-13	1.51577E-12	2.68236E-13	3.10388E-13
712	571310.6	4178799	0.55, 41787	0.28608	0.30211	111.77517	48.08718	15.28029	8.60329	1.59103E-09	1.06E-11	1.6E-09	6.22E-07	1.68E-09	6.23E-07	8.5E-08	5.34E-10	8.55E-08	4.94E-13	1.49E-12	8.64E-13	4.05E-13	9.78E-12	5.4E-13	1.07297E-11	1.602E-09	6.2332E-07	8.55E-08	4.10708E-13	1.42574E-12	2.52305E-13	2.91953E-13
713	571350.6	4178799	0.55, 41787	0.26522	0.28423	116.94553	46.1941	15.97517	8.23917	1.47502E-09	9.93E-12	1.48E-09	6.5E-07	1.61E-09	6.52E-07	8.88E-08	5.58E-10	8.94E-08	4.58E-13	1.38E-12	8.01E-13	3.76E-13	9.07E-12	5E-13	9.9483E-12	1.485E-09	6.52E-07	8.94E-08	3.80798E-13	1.32191E-12	2.3393E-13	2.70691E-13
714	571390.6	4178799	0.55, 41787	0.24309	0.26586	101.64822	44.37475	13.96186	7.97488	1.35194E-09	9.29E-12	1.36E-09	5.65E-07	1.55E-09	5.67E-07	7.76E-08	4.88E-10	7.81E-08	4.2E-13	1.27E-12	7.34E-13	3.44E-13	8.32E-12	4.59E-13	9.11946E-12	1.361E-09	5.6687E-07	7.81E-08	3.49072E-13	1.21178E-12	2.14441E-13	2.48138E-13
715	571430.6	4178799	0.55, 41787	0.22645	0.25105	78.66707	42.96369	10.22882	7.75525	1.2594E-09	8.77E-12	1.27E-09	4.38E-07	1.50E-09	4.39E-07	5.69E-08	3.57E-10	5.72E-08	3.91E-13	1.18E-12	6.84E-13	3.21E-13	7.75E-12	4.27E-13	8.49601E-12	1.268E-09	4.3901E-07	5.72E-08	3.25208E-13	1.12894E-12	1.9978E-13	2.31174E-13
716	571470.6	4178799	0.55, 41787	0.21325	0.23694	47.64153	41.84289	7.70461	7.45296	1.18599E-09	8.28E-12	1.19E-09	2.65E-07	1.46E-09	2.66E-07	4.28E-08	2.69E-10	4.31E-08	3.69E-13	1.11E-12	6.44E-13	3.02E-13	7.3E-12	4.03E-13	8.00089E-12	1.194E-09	2.6642E-07	4.31E-08	3.06256E-13	1.06315E-12	1.88138E-13	2.17702E-13
717	571510.6	4178799	0.55, 41787	0.20623	0.22585	71.44774	40.73398	10.29216	7.00806	1.14694E-09	7.89E-12	1.15E-09	3.97E-07	1.42E-09	3.99E-07	5.72E-08	3.60E-10	5.76E-08	3.56E-13	1.08E-12	6.23E-13	2.92E-13	7.06E-12	3.89E-13	7.73674E-12	1.155E-09	3.9878E-07	5.76E-08	2.96145E-13	1.02804E-12	1.81926E-13	2.10515E-13
718	571550.6	4178799	0.55, 41787	0.19818	0.21228	94.10249	39.35835	13.01678	6.4744	1.10217E-09	7.42E-12	1.11E-09	5.23E-07	1.38E-09	5.25E-07	7.24E-08	4.55E-10	7.28E-08	3.42E-13	1.03E-12	5.98E-13	2.81E-13	6.78E-12	3.74E-13	7.43363E-12	1.11E-09	5.2472E-07	7.28E-08	2.84542E-13	9.87768E-13	1.74799E-13	2.02267E-13
719	571590.6	4178799	0.55, 41787	0.19254	0.20073	94.76849	37.66806	12.95063	6.01952	1.07081E-09	7.02E-12	1.08E-09	5.27E-07	1.32E-09	5.28E-07	7.2E-08	4.53E-10	7.25E-08	3.33E-13	1E-12	5.81E-13	2.73E-13	6.58E-12	3.63E-13	7.22079E-12	1.078E-09	5.2837E-07	7.25E-08	2.76395E-13	9.59486E-13	1.69794E-13	1.96476E-13
720	570310.6	4178839	0.55, 41788	0.10118	0.0904	86.93136	38.98232	10.86642	4.87279	5.62711E-10	3.16E-12	5.66E-10	4.83E-07	1.36E-09	4.85E-07	6.04E-08	3.80E-10	6.08E-08	1.75E-13	5.27E-13	3.05E-13	1.43E-13	3.46E-12	1.91E-13	3.791E-12	5.659E-10	4.8483E-07	6.08E-08	1.45111E-13	5.03742E-13	8.91439E-14	1.03152E-13
721	570350.6	4178839	0.55, 41788	0.1118	0.10104	92.10266	41.60712	11.51283	5.43734	6.21774E-10	3.53E-12	6.25E-10	5.12E-07	1.45E-09	5.14E-07	6.4E-08	4.02E-10	6.44E-08	1.93E-13	5.83E-13	3.37E-13	1.58E-13	3.82E-12	2.11E-13	4.18918E-12	6.253E-10	5.1368E-07	6.44E-08	1.60352E-13	5.56651E-13	9.85069E-14	1.13987E-13
722	570390.6	4178839	0.55, 41788	0.12335	0.11299	101.58992	44.39945	13.097	6.32134	6.86009E-10	3.95E-12	6.9E-10	5.65E-07	1.55E-09	5.67E-07	7.28E-08	4.58E-10	7.33E-08	2.13E-13	6.43E-13	3.72E-13	1.75E-13	4.22E-12	2.33E-13	4.62232E-12	6.9E-10	5.6654E-07	7.33E-08	1.76932E-13	6.14205E-13	1.08692E-13	1.25772E-13
723	570430.6	4178839	0.55, 41788	0.13612	0.12663	105.75261	46.22171	15.10752	6.99394	7.57029E-10	4.43E-12	7.61E-10	5.88E-07	1.62E-09	5.9E-07	8.4E-08	5.28E-10	8.45E-08	2.35E-13	7.09E-13	4.11E-13	1.93E-13	4.65E-12	2.57E-13	5.1013E-12	7.615E-10	5.8976E-07	8.45E-08	1.95266E-13	6.77852E-13	1.19955E-13	1.38805E-13
724	570470.6	4178839	0.55, 41788	0.14941	0.1416	113.55911	47.52324	16.22273	7.30549	8.30941E-10	4.95E-12	8.36E-10	6.32E-07	1.66E-09	6.33E-07	9.02E-08	5.67E-10	9.08E-08	2.58E-13	7.79E-13	4.51E-13	2.11E-13	5.11E-12	2.82E-13	5.59998E-12	8.359E-10	6.3322E-07	9.08E-08	2.14354E-13	7.44115E-13	1.31681E-13	1.52374E-13
725	570510.6	4178839	0.55, 41788	0.16314	0.158	114.44641	50.69094	16.21485	7.16417	9.073E-10	5.52E-12	9.13E-10	6.36E-07	1.77E-09	6.38E-07	9.02E-08	5.67E-10	9.07E-08	2.82E-13	8.51E-13	4.92E-13	2.31E-13	5.58E-12	3.08E-13	6.11538E-12	9.128E-10	6.3826E-07	9.07E-08	2.34083E-13	8.12601E-13	1.43801E-13	1.66398E-13
726	570550.6	4178839	0.55, 41788	0.17704	0.17576	109.2842	56.30775	15.45924	8.75778	9.84605E-10	6.14E-12	9.91E-10	6.08E-07	1.97E-09	6.1E-07	8.6E-08	5.40E-10	8.65E-08	3.06E-13	9.23E-13	5.34E-13	2.51E-13	6.05E-12	3.34E-13	6.63743E-12	9.907E-10	6.0975E-07	8.65E-08	2.54066E-13	8.81971E-13	1.56077E-13	1.80603E-13
727	570590.6	4178839	0.55, 41788	0.1907	0.19445	121.04262	57.73789	17.123	9.62298	1.06057E-09	6.80E-12	1.07E-09	6.73E-07	2.02E-09	6.75E-07	9.52E-08	5.98E-10	9.58E-08	3.29E-13	9.94E-13	5.76E-13	2.7E-13	6.52E-12	3.6E-13	7.15076E-12	1.067E-09	6.7519E-07	9.58E-08	2.73715E-13	9.50181E-13	1.68147E-13	1.94571E-13
728	570630.6	4178839	0.55, 41788	0.20316	0.21304	125.84874	56.85617	17.26057	9.47603	1.12987E-09	7.45E-12	1.14E-09	7E-07	1.99E-09	7.02E-07	9.6E-08	6.03E-10	9.66E-08	3.51E-13	1.06E-12	6.13E-13	2.88E-13	6.95E-12	3.83E-13	7.61936E-12	1.137E-09	7.0189E-07	9.66E-08	2.91651E-13	1.01245E-12	1.79166E-13	2.07321E-13
729	570670.6	4178839	0.55, 41788	0.21386	0.23043	138.80556	56.19819	17.35069	9.51337	1.18938E-09	8.05E-12	1.2E-09	7.72E-07	1.96E-09	7.74E-07	9.65E-08	6.06E-10	9.71E-08	3.7E-13	1.12E-12	6.46E-13	3.03E-13	7.32E-12	4.04E-13	8.0221E-12	1.197E-09	7.7393E-07	9.71E-08	3.07067E-13	1.06596E-12	1.88636E-13	2.18279E-13
730	570710.6	4178839	0.55, 41788	0.22462	0.24643	139.69865	64.11019	17.46233	11.64998	1.24922E-09	8.61E-12	1.26E-09	7.77E-07	2.24E-09	7.79E-07	9.71E-08	6.10E-10	9.77E-08	3.88E-13	1.17E-12	6.78E-13	3.18E-13	7.68E-12	4.24E-13	8.42675E-12	1.258E-09	7.7917E-07	9.77E-08	3.22556E-13	1.11973E-12	1.98152E-13	2.2929E-13
731	570750.6	4178839	0.55, 41788	0.23931	0.26333	129.30344	65.03758	16.25667	13.35444	1.33092E-09	9.20E-12	1.34E-09	7.19E-07	2.27E-09	7.21E-07	9.04E-08	5.68E-10	9.1E-08	4.14E-13	1.25E-12	7.23E-13	3.39E-13	8.19E-12	4.52E-13	8.97803E-12	1.34E-09	7.2139E-07	9.1E-08	3.43658E-13	1.19299E-12	2.11115E-13	2.4429E-13
732	570790.6	4178839	0.55, 41788	0.2546	0.28325	148.04332	66.52984	18.88746	13.10425	1.41595E-09	9.90E-12	1.43E-09	8.23E-07	2.33E-09	8.26E-07	1.05E-07	6.60E-10	1.06E-07	4.4E-13	1.33E-12	7.69E-13	3.61E-13	8.71E-12	4.81E-13	9.55238E-12	1.426E-09	8.2567E-07	1.06E-07	3.65643E-13	1.2693E-12	2.24621E-13	2.59918E-13
733	570830.6	4178839	0.55, 41788	0.26766	0.30497	136.3658	90.38201	17.19519	14.05196	1.48859E-09	1.07E-11	1.5E-09	7.58E-07	3.16E-09	7.62E-07	9.56E-08	6.01E-10	9.62E-08	4.63E-13	1.4E-12	8.09E-13	3.79E-13	9.16E-12	5.05E-13	1.00441E-11	1.499E-09	7.6155E-07	9.62E-08	3.84464E-13	1.33464E-12	2.36182E-13	2.73297E-13
734	570870.6	4178839	0.55, 41788	0.28248	0.32215	145.76117	97.26265	18.22015	15.13016	1.57101E-09	1.13E-11	1.58E-09	8.11E-07	3.40E-09	8.14E-07	1.01E-07	6.37E-10	1.02E-07	4.88E-13	1.47E-12	8.53E-13	4E-13	9.67E-12	5.33E-13	1.06003E-11	1.582E-09	8.1405E-07	1.02E-07	4.05754E-13	1.40854E-12	2.49261E-13	2.88431E-13
735	570910.6	4178839	0.55, 41788	0.28799	0.33135	130.6935	87.1686	16.33669	13.50967	1.60165E-09	1.16E-11	1.61E-09	7.27E-07	3.05E-09	7.3E-07	9.09E-08	5.71E-10	9.14E-08	4.98E-13	1.5E-12	8.7E-13	4.08E-13	9.86E-12	5.44E-13	1.08077E-11	1.613E-09	7.299E-07	9.14E-08	4.13694E-13	1.43611E-12	2.54139E-13	2.94075E-13
736	570950.6	4178839	0.55, 41788	0.28758	0.33724	143.26415	81.64199	17.90802	13.93242	1.59937E-09	1.18E-11	1.61E-09	7.97E-07	2.85E-09	8E-07	9.96E-08	6.26E-10	1E-07	4.97E-13	1.5E-12	8.69E-13	4.08E-13	9.84E-12	5.43E-13	1.07938E-11	1.611E-09	7.9961E-07	1E-07	4.13162E-13	1.43426E-12	2.53812E-13	2.93697E-13
737	570990.6	4178839	0.55, 41788	0.28844	0.33412	115.42228	74.82901	15.11344	13.01217	1.60415E-09	1.17E-11	1.62E-09	6.42E-07	2.62E-09	6.45E-07	8.41E-08	5.28E-10	8.46E-08	4.99E-13	1.51E-12	8.72E-13	4.09E-13	9.87E-12	5.45E-13	1.08251E-11	1.616E-09	6.4453E-07	8.46E-08	4.14361E-13	1.43842E-12	2.54549E-13	2.94549E-13
738	571030.6	4178839	0.55, 41788	0.29049	0.32848	122.60648	67.85889	20.43441	11.21527	1.61555E-09	1.15E-11	1.63E-09	6.82E-07	2.37E-09	6.84E-07	1.14E-07	7.14E-10	1.14E-07	5.02E-13	1.52E-12	8.78E-13	4.12E-13	9.94E-12	5.48E-13	1.09002E-11	1.627E-09	6.8425E-07	1.14E-07	4.17234E-13	1.4484E-12	2.56314E-13	2.96592E-13
739	571070.6	4178839	0.55, 41788	0.28682	0.32211	145.80556	62.69899	22.09774	10.44682	1.59514E-09	1.13E-11	1.61E-09	8.11E-07	2.19E-09	8.13E-07	1.23E-07	7.72E-10	1.24E-07	4.96E-13	1.5E-12	8.66E-13	4.06E-13	9.81E-12	5.41E-13	1.0762E-11	1.606E-09	8.1309E-07	1.24E-07	4.11943E-13	1.43003E-12	2.53063E-13	2.9283E-13
740	571110.6	4178839	0.55, 41788	0.272	0.3104	131.09883	59.8466	17.36249	9.97443	1.51272E-09	1.08E-11	1.52E-09	7.29E-07	2.09E-09	7.31E-07	9.66E-08	6.07E-10	9.72E-08	4.7E-13	1.42E-12	8.22E-13	3.85E-13	9.31E-12	5.13E-13	1.0207E-11	1.524E-09	7.312E-07	9.72E-08	3.90702E-13	1.35629E-12	2.40015E-13	2.77731E-13
741	571150.6	4178839	0.55, 41788	0.26	0.30055	99.99815	55.57889	12.49977	9.26315	1.44599E-09	1.05E-11	1.46E-09	5.56E-07	1.94E-09	5.58E-07	6.95E-08	4.37E-10	7E-08	4.49E-13	1.36E-12	7.86E-13	3.68E-13	8.9E-12	4.91E-13	9.75763E-12	1.456E-09	5.5808E-07	7E-08	3.735E-13	1.29658E-12	2.29447E-13	2.65503E-13
742	571190.6	4178839	0.55, 41788	0.2552	0.29099	127.82601	53.11626	15.97966	8.85271	1.41929E-09	1.02E-11	1.43E-09	7.11E-07	1.86E-09	7.13E-07	8.89E-08	5.58E-10	8.94E-08	4.41E-13	1.33E-12	7.71E-13	3.62E-13	8.73E-12	4.82E-13	9.57655E-12	1.429E-09	7.1276E-07	8.94E-08	3.66568E-13	1.27252E-12	2.25189E-13	2.60576E-13
743	571230.6	4178839	0.55, 41788	0.25406	0.28009	144.46225	51.51588	18.06666	8.58598	1.41295E-09	9.79E-12	1.42E-09	8.03E-07	1.80E-09	8.05E-07	1E-07	6.31E-10	1.01E-07	4.39E-13	1.33E-12	7.67E-13	3.6E-13	8.69E-12	4.8E-13	9.53152E-12	1.423E-09	8.0522E-07	1.01E-07	3.64845E-13	1.26653E-12	2.2413E-13	2.59351E-13
744	571270.6	4178839	0.55, 41788	0.2507	0.26766	121.82335	49.56018	15.26733	8.26003	1.39426E-09	9.35E-12	1.4E-09	6.78E-07	1.73E-09	6.79E-07	8.49E-08	5.34E-10	8.54E-08	4.33E-13	1.31E-12	7.57E-13	3.55E-13	8.58E-12	4.73E-13	9.40342E-12	1.404E-09	6.7925E-07	8.54E-08	3.59941E-13	1.24951E-12	2.21118E-13	2.55865E-13
745	571310.6	4178839	0.55, 41788	0.24184	0.25433	103.21026	44.65355	14.74432	7.58702	1.34499E-09	8.89E-12	1.35E-09	5.74E-07	1.56E-09	5.76E-07	8.2E-08	5.15E-10	8.25E-08	4.18E-13	1.26E-12	7.3E-13	3.42E-13	8.27E-12	4.56E-13	9.07019E-12	1.354E-09	5.7556E-07	8.25E-08	3.47186E-13	1.20523E-12	2.13282E-13	2.46798E-13
746	571350.6	4178839	0.55, 41788	0.22797	0.24079	99.0464	44.12829	14.35742	7.39344	1.26785E-09	8.42E-12	1.28E-09	5.51E-07	1.54E-09	5.52E-07	7.98E-08	5.02E-10	8.04E-08	3.94E-13	1.19E-12	6.88E-13	3.23E-13	7.8E-12	4.3E-13	8.55024E-12	1.276E-09	5.5239E-07	8.04E-08	3.27284E-13	1.13614E-12	2.01056E-13	2.3265E-13
747	571390.6	4178839	0.55, 41788	0.21103	0.22733	102.76287	42.76623	13.91866	7.25999	1.17364E-09	7.94E-12	1.18E-09	5.72E-07	1.49E-09	5.73E-07	7.74E-08	4.86E-10	7.79E-08	3.65E-13	1.1E-12	6.37E-13	2.99E-13	7.22E-12	3.98E-13	7.91593E-12	1.182E-09	5.7301E-07	7.79E-08	3.03004E-13	1.05186E-12	1.8614E-13	2.15391E-13
748	571430.6	4178839	0.55, 41788	0.19469	0.21494	96.70075	41.37793	13.13698	7.12068	1.08276E-09	7.51E-12	1.09E-09	5.38E-07	1.45E-09	5.39E-07	7.31E-08	4.59E-10	7.35E-08	3.36E-13	1.02E-12	5.88E-13	2.76E-13	6.66E-12	3.67E-13	7.30422E-12	1.09E-09	5.3925E-07	7.35E-08	2.79589E-13	9.70572E-13	1.71756E-13	1.98746E-13
749	571470.6	4178839	0.55, 41788	0.18137	0.20392	77.02264	40.18933	10.5662	6.94319	1.00869E-09	7.13E-12	1.02E-09	4.28E-07	1.40E-09	4.3E-07	5.88E-08	3.69E-10	5.91E-08	3.13E-13	9.46E-13	5.48E-13	2.57E-13	6.21E-12	3.42E-13	6.80535E-12	1.016E-09	4.2976E-07	5.91E-08	2.60493E-13	9.04284E-13	1.60025E-13	1.85172E-13
750	571510.6	4178839	0.55, 41788	0.17253	0.19446	52.60803	39.21497	7.34906	6.67327	9.59523E-10	6.80E-12	9.66E-10	2.93E-07	1.37E-09	2.94E-07	4.09E-08	2.57E-10	4.11E-08	2.98E-13	9E-13	5.21E-13	2.44E-13	5.9E-12	3.26E-13	6.47377E-12	9.663E-10	2.9395E-07	4.11E-08	2.47801E-13	8.60224E-13	1.52228E-13	1.7615E-13
751	571550.6	4178839	0.55, 41788	0.16797	0.18619	68.59481	38.25365	9.65516	6.29212	9.34162E-10	6.51E-12	9.41E-10	3.81E-07	1.34E-09	3.83E-07	5.37E-08	3.37E-10	5.4E-08	2.9E-13	8.76E-13	5.07E-13	2.38E-13	5.75E-12	3.17E-13	6.30194E-12	9.407E-10	3.8283E-07	5.4E-08	2.41224E-13	8.37391E-13	1.48188E-13	1.71474E-13
752	571590.6	4178839	0.55, 41788	0.16271	0.17607	86.9293	37.04871	11.93163	5.86384	9.04909E-10	6.15E-12	9.11E-10	4.83E-07	1.29E-09	4.85E-07	6.64E-08	4.17E-10	6.68E-08	2.81E-13	8.49E-13	4.91E-13	2.3E-13	5.57E-12	3.07E-13	6.10359E-12	9.111E-10	4.8475E-07	6.68E-08	2.33631E-13	8.11034E-13	1.43523E-13	1.66077E-13
753	570839.2	4178446	9.17, 41784	74.46739	6.86955	1115.31188	246.53605	545.24687	92.47095	4.14149E-07	2.40E-10	4.14E-07	6.2E-06	8.62E-09	6.21E-06	3.03E-06	1.91E-08	3.05E-06	1.28E-10	3.86E-10	2.24E-10	1.05E-10	2.53E-09	1.4E-10	2.77617E-09	4.144E-07	6.2114E-06	3.05E-06	1.06265E-10	3.68892E-10	6.52805E-11	7.55388E-11
754	570839.2	4178486	9.17, 41784	72.70489	8.35312	2611.28562	240.43522	1286.82968	90.10385	4.04347E-07	2.92E-10	4.05E-07	1.45E-05	8.40E-09	1.45E-05	7.16E-06	4.50E-08	7.2E-06	1.25E-10	3.77E-10	2.18E-10	1.02E-10	2.47E-09	1.36E-10	2.71085E-09	4.046E-07	1.4531E-05	7.2E-06	1.03765E-10	3.60213E-10	6.37445E-11	7.37615E-11
755	570879.2	4178406	9.17, 41784	9.26791	12.09581	654.37651	281.54322	174.87233	99.71055	5.15433E-08	4.23E-10	5.2E-08	3.64E-06	9.84E-09	3.65E-06	9.73E-07	6.11E-09	9.79E-07	1.6E-11	4.84E-11	2.8E-11	1.31E-11	3.17E-10	1.75E-11	3.48142E-10	5.197E-08	3.6491E-06	9.79E-07	1.33261E-11	4.62606E-11	8.18643E-12	9.47287E-12
756	570879.2	4178446	9.17, 41784	110.98197	13.33715	3333.88644	260.53475	1717.50318	91.01179	6.17224E-07	4.66E-10	6.18E-07	1.85E-05	9.11E-09	1.86E-05	9.55E-06	6.00E-08	9.61E-06	1.91E-10	5.76E-10	3.33E-10	1.56E-10	3.77E-09	2.08E-10	4.13817E-09	6.177E-07	1.855E-05	9.61E-06	1.58399E-10	5.49873E-10	9.73074E-11	1.12599E-10
757	570879.2	4178486	9.17, 41784	18.42358	13.79846	473.0449	246.35325	141.68031	100.88031	1.02462E-07	4.82E-10	1.03E-07	2.63E-06	8.61E-09	2.64E-06	7.88E-07	4.95E-09	7.93E-07	3.18E-11	9.59E-11	5.55E-11	2.6E-11	6.29E-10	3.47E-11	6.89669E-10	1.029E-07	2.6394E-06	7.93E-07	2.6399E-11	9.16421E-11	1.62173E-11	1.87657E-11
758	570879.2	4178526	9.17, 41785	94.91809	17.71904	3340.71117	271.69492	1490.9797	113.49448	5.27885E-07	6.19E-10	5.29E-07	1.86E-05	9.50E-09	1.86E-05	8.29E-06	5.21E-08	8.34E-06	1.63E-10	4.92E-10	2.85E-10	1.34E-10	3.23E-09	1.78E-10	3.54067E-09	5.285E-07	1.8589E-05	8.34E-06	1.35529E-10	4.70479E-10	8.32576E-11	9.63409E-11
759	570879.2	4178566	9.17, 41785	6.34056	7.84517	517.57011	248.69096	138.67192	92.32789	3.52629E-08	2.74E-10	3.55E-08	2.88E-06	8.69E-09	2.89E-06	7.71E-07	4.85E-09	7.76E-07	1.1E-11	3.31E-11	1.92E-11	8.99E-12	2.17E-10	1.2E-11	2.38078E-10	3.554E-08	2.8871E-06	7.76E-07	9.11307E-12	3.16354E-11	5.59831E-12	6.47804E-12
760	570919.2	4178366	9.17, 41783	2.36921	8.89638	279.82249	231.14799	50.20448	85.64726	1.31763E-08	3.11E-10	1.35E-08	1.56E-06	8.08E-09	1.56E-06	2.79E-07	1.75E-09	2.81E-07	4.16E-12	1.26E-11	7.27E-12	3.41E-12	8.24E-11	4.55E-12	9.03566E-11	1.349E-08	1.5643E-06	2.81E-07	3.45864E-12	1.20064E-11	2.1247E-12	2.45858E-12
761	570919.2	4178406	9.17, 41784	7.16288	18.51893	387.12304	281.06153	102.95605	123.97591	3.98362E-08	6.47E-10	4.05E-08	2.15E-06	9.82E-09	2.16E-06	5.73E-07	3.60E-09	5.76E-07	1.25E-11	3.77E-11	2.18E-11	1.02E-11	2.47E-10	1.36E-11	2.71215E-10	4.048E-08	2.1628E-06	5.76E-07	1.03815E-11	3.60387E-11	6.37753E-12	7.37971E-12
762	570919.2	4178446	9.17, 41784	30.90779	15.96768	761.46723	266.85593	290.35951	97.37786	1.71893E-07	5.58E-10	1.72E-07	4.23E-06	9.33E-09	4.24E-06	1.61E-06	1.01E-08	1.62E-06	5.32E-11	1.61E-10	9.3E-11	4.36E-11	1.05E-09	5.81E-11	1.15532E-09	1.725E-07	4.2442E-06	1.62E-06	4.42231E-11	1.53517E-10	2.7167E-11	3.14361E-11
763	570919.2	4178486	9.17, 41784	29.57453	18.16179	992.62163	281.14129	425.98322	121.6397	1.64478E-07	6.35E-10	1.65E-07	5.52E-06	9.83E-09	5.53E-06	2.37E-06	1.49E-08	2.38E-06	5.1E-11	1.54E-10	8.91E-11	4.18E-11	1.01E-09	5.56E-11	1.10616E-09	1.651E-07	5.5303E-06	2.38E-06	4.23413E-11	1.46985E-10	2.60109E-11	3.00984E-11
764	570919.2	4178526	9.17, 41785	19.47257	21.77306	427.44744	357.8357	126.47105	151.21701	1.08296E-07	7.61E-10	1.09E-07	2.38E-06	1.25E-08	2.39E-06	7.03E-07	4.42E-09	7.08E-07	3.37E-11	1.02E-10	5.88E-11	2.76E-11	6.66E-10	3.68E-11	7.3062E-10	1.091E-07	2.3897E-06	7.08E-07	2.79665E-11	9.70836E-11	1.71803E-11	1.988E-11
765	570919.2	4178566	9.17, 41785	68.70701	17.81326	3547.24462	326.79695	1121.59815	123.62419	3.82113E-07	6.23E-10	3.83E-07	1.97E-05	1.14E-08	1.97E-05	6.24E-06	3.92E-08	6.28E-06	1.18E-10	3.57E-10	2.06E-10	9.68E-11	2.34E-09	1.29E-10	2.5641E-09	3.827E-07	1.9739E-05	6.28E-06	9.8148E-11	3.40714E-10	6.02939E-11	6.97687E-11
766	570959.2	4178326	9.17, 41783	2.08146	12.83514	279.67021	252.56813	42.32993	97.81035	1.1576E-08	4.49E-10	1.2E-08	1.56E-06	8.83E-09	1.56E-06	2.35E-07	1.48E-09	2.37E-07	3.71E-12	1.12E-11	6.49E-12	3.04E-12	7.35E-11	4.05E-12	8.05576E-11	1.202E-08	1.5642E-06	2.37E-07	3.08356E-12	1.07044E-11	1.89428E-12	2.19195E-12
767	570959.2	4178366	9.17, 41783	2.97969	11.80225	241.09871	252.07126	42.48046	78.75938	1.65715E-08	4.12E-10	1.7E-08	1.34E-06	8.81E-09	1.35E-06	2.36E-07	1.48E-09	2.38E-07	5.24E-12	1.58E-11	9.16E-12	4.3E-12	1.04E-10	5.72E-12	1.13783E-10	1.698E-08	1.3497E-06	2.38E-07	4.35534E-12	1.51192E-11	2.67556E-12	3.096E-12
768	570959.2	4178406	9.17, 41784	5.48321	18.00699	312.89849	292.26242	67.10795	111.57482	3.04948E-08	6.29E-10	3.11E-08	1.74E-06	1.02E-08	1.75E-06	3.73E-07	2.35E-09	3.76E-07	9.6E-12	2.9E-11	1.68E-11	7.87E-12	1.9E-10	1.05E-11	2.08513E-10	3.112E-08	1.7504E-06	3.76E-07	7.98141E-12	2.77069E-11	4.90311E-12	5.6736E-12
769	570959.2	4178446	9.17, 41784	13.2141	15.9724	471.07205	258.82785	129.31081	100.45092	7.349E-08	5.58E-10	7.4E-08	2.62E-06	9.05E-09	2.63E-06	7.19E-07	4.52E-09	7.24E-07	2.28E-11	6.9E-11	3.99E-11	1.87E-11	4.52E-10	2.5E-11	4.9608E-10	7.405E-08	2.6289E-06	7.24E-07	1.89888E-11	6.59182E-11	1.16651E-11	1.34982E-11
770	570959.2	4178486	9.17, 41784	61.20406	15.71053	1330.20017	250.50131	539.4281	101.77571	3.40385E-07	5.49E-10	3.41E-07	7.4E-06	8.75E-09	7.41E-06	3E-06	1.89E-08	3.02E-06	1.05E-10	3.18E-10	1.84E-10	8.62E-11	2.08E-09	1.15E-10	2.28406E-09	3.409E-07	7.4066E-06	3.02E-06	8.74286E-11	3.03502E-10	5.37088E-11	6.21488E-11
771	570959.2	4178526	9.17, 41785	233.18259	14.04006	3491.90215	258.73899	1687.05022	110.68808	1.29684E-06	4.91E-10	1.3E-06	1.94E-05	9.04E-09	1.94E-05	9.38E-06	5.90E-08	9.44E-06	4E-10	1.21E-09	7E-10	3.28E-10	7.93E-09	4.37E-10	8.69137E-09	1.297E-06	1.9429E-05	9.44E-06	3.32686E-10	1.15489E-09	2.04374E-10	2.3649E-10
772	570999.2	4178286	9.17, 41782	4.82709	7.01905	541.05323	230.67805	117.6944	82.70868	2.68458E-08	2.45E-10	2.71E-08	3.01E-06	8.06E-09	3.02E-06	6.55E-07	4.11E-09	6.59E-07	8.36E-12	2.52E-11	1.46E-11	6.85E-12	1.66E-10	9.13E-12	1.81494E-10	2.709E-08	3.0171E-06	6.59E-07	6.94719E-12	2.41167E-11	4.26777E-12	4.93842E-12

773	570999.2	4178326	9.17, 41783	3.49216	17.23511	334.8047	281.26172	73.88295	121.01705	1.94216E-08	6.02E-10	2E-08	1.86E-06	9.83E-09	1.87E-06	4.11E-07	2.58E-09	4.13E-07	6.18E-12	1.87E-11	1.08E-11	5.06E-12	1.22E-10	6.75E-12	1.34149E-10	2.002E-08	1.8718E-06	4.13E-07	5.1349E-12	1.78254E-11	3.15445E-12	3.65015E-12
774	570999.2	4178366	9.17, 41783	3.49499	15.86199	258.09779	262.50756	51.99585	99.38677	1.94373E-08	5.54E-10	2E-08	1.44E-06	9.17E-09	1.44E-06	2.89E-07	1.82E-09	2.91E-07	6.17E-12	1.86E-11	1.08E-11	5.06E-12	1.22E-10	6.74E-12	1.33933E-10	1.999E-08	1.4446E-06	2.91E-07	5.12663E-12	1.77967E-11	3.14937E-12	3.64427E-12
775	570999.2	4178406	9.17, 41784	4.67229	14.08019	269.25985	258.20089	48.54927	90.52886	2.59849E-08	4.92E-10	2.65E-08	1.5E-06	9.02E-09	1.51E-06	2.7E-07	1.70E-09	2.72E-07	8.17E-12	2.47E-11	1.43E-11	6.7E-12	1.62E-10	8.92E-12	1.7738E-10	2.648E-08	1.5065E-06	2.72E-07	6.7897E-12	2.357E-11	4.17102E-12	4.82647E-12
776	570999.2	4178446	9.17, 41784	8.21208	17.59623	365.10896	254.50285	80.87758	113.65243	4.56713E-08	6.15E-10	4.63E-08	2.03E-06	8.89E-09	2.04E-06	4.5E-07	2.83E-09	4.53E-07	1.43E-11	4.31E-11	2.5E-11	1.17E-11	2.83E-10	1.56E-11	3.10091E-10	4.629E-08	2.0394E-06	4.53E-07	1.18696E-11	4.12044E-11	7.29168E-12	8.43751E-12
777	570999.2	4178486	9.17, 41784	18.06608	14.21786	585.19163	263.25351	156.20535	101.07997	1.00474E-07	4.97E-10	1.01E-07	3.25E-06	9.20E-09	3.26E-06	8.69E-07	5.46E-09	8.74E-07	3.12E-11	9.41E-11	5.45E-11	2.55E-11	6.17E-10	3.4E-11	6.76448E-10	1.01E-07	3.2637E-06	8.74E-07	2.58929E-11	8.98852E-11	1.59064E-11	1.8406E-11
778	571039.2	4178246	9.17, 41782	16.91212	6.90765	857.31055	271.11205	274.95229	93.64332	9.40565E-08	2.41E-10	9.43E-08	4.77E-06	9.47E-09	4.78E-06	1.53E-06	9.61E-09	1.54E-06	2.91E-11	8.79E-11	5.09E-11	2.39E-11	5.76E-10	3.18E-11	6.31741E-10	9.43E-08	4.7774E-06	1.54E-06	2.41816E-11	8.39447E-11	1.48551E-11	1.71895E-11
779	571039.2	4178286	9.17, 41782	28.85834	15.10006	1240.055	260.3069	549.80999	92.85324	1.60495E-07	5.28E-10	1.61E-07	6.9E-06	9.10E-09	6.91E-06	3.06E-06	1.92E-08	3.08E-06	4.97E-11	1.5E-10	8.69E-11	4.07E-11	9.84E-10	5.43E-11	1.07876E-09	1.61E-07	6.9056E-06	3.08E-06	4.12924E-11	1.43344E-10	2.53666E-11	2.93528E-11
780	571039.2	4178326	9.17, 41783	6.67676	17.1171	443.85334	276.43557	131.23026	111.87763	3.71327E-08	5.98E-10	3.77E-08	2.47E-06	9.66E-09	2.48E-06	7.3E-07	4.59E-09	7.34E-07	1.16E-11	3.52E-11	2.04E-11	9.54E-12	2.31E-10	1.27E-11	2.52775E-10	3.773E-08	2.4781E-06	7.34E-07	9.67565E-12	3.35883E-11	5.94391E-12	6.87795E-12
781	571039.2	4178366	9.17, 41783	4.40971	16.57374	310.01939	259.88486	73.97776	106.04392	2.45245E-08	5.79E-10	2.51E-08	1.72E-06	9.08E-09	1.73E-06	4.11E-07	2.59E-09	4.14E-07	7.75E-12	2.34E-11	1.35E-11	6.35E-12	1.53E-10	8.46E-12	1.68181E-10	2.51E-08	1.7332E-06	4.14E-07	6.43756E-12	2.23475E-11	3.9547E-12	4.57615E-12
782	571039.2	4178406	9.17, 41784	4.40492	15.47088	249.62047	251.60574	54.55389	95.67705	2.44979E-08	5.41E-10	2.5E-08	1.39E-06	8.79E-09	1.4E-06	3.03E-07	1.91E-09	3.05E-07	7.73E-12	2.33E-11	1.35E-11	6.33E-12	1.53E-10	8.44E-12	1.67744E-10	2.504E-08	1.3971E-06	3.05E-07	6.42085E-12	2.22895E-11	3.94443E-12	4.56427E-12
783	571039.2	4178446	9.17, 41784	6.02235	17.33371	271.18693	258.43077	53.34538	113.33058	3.34932E-08	6.06E-10	3.41E-08	1.51E-06	9.03E-09	1.52E-06	2.97E-07	1.86E-09	2.99E-07	1.05E-11	3.18E-11	1.84E-11	8.62E-12	2.08E-10	1.15E-11	2.28443E-10	3.41E-08	1.5172E-06	2.99E-07	8.74428E-12	3.03552E-11	5.37176E-12	6.21589E-12
784	571079.2	4178246	9.17, 41782	26.90238	12.76385	686.22219	257.40547	294.80616	92.56412	1.49617E-07	4.46E-10	1.5E-07	3.82E-06	9.00E-09	3.83E-06	1.64E-06	1.03E-08	1.65E-06	4.63E-11	1.4E-10	8.09E-11	3.8E-11	9.17E-10	5.06E-11	1.00534E-09	1.501E-07	3.8254E-06	1.65E-06	3.8482E-11	1.33587E-10	2.36401E-11	2.7355E-11
785	571079.2	4178286	9.17, 41782	49.90964	15.92317	957.6563	283.49226	414.11972	108.09945	2.77572E-07	5.56E-10	2.78E-07	5.33E-06	9.91E-09	5.34E-06	2.3E-06	1.45E-08	2.32E-06	8.58E-11	2.59E-10	1.5E-10	7.03E-11	1.7E-09	9.37E-11	1.8633E-09	2.781E-07	5.3359E-06	2.32E-06	7.13227E-11	2.47592E-10	4.38147E-11	5.06999E-11
786	571079.2	4178326	9.17, 41783	16.67986	14.36437	793.60016	243.70787	313.14105	91.11491	9.27647E-08	5.02E-10	9.33E-08	4.41E-06	8.52E-09	4.42E-06	1.74E-06	1.09E-08	1.75E-06	2.88E-11	8.69E-11	5.03E-11	2.36E-11	5.7E-10	3.14E-11	6.24833E-10	9.327E-08	4.4221E-06	1.75E-06	2.39172E-11	8.30268E-11	1.46927E-11	1.70016E-11
787	571079.2	4178366	9.17, 41783	6.18218	17.09307	419.38901	255.0076	110.95083	108.56867	3.43821E-08	5.97E-10	3.5E-08	2.33E-06	8.91E-09	2.34E-06	6.17E-07	3.88E-09	6.21E-07	1.08E-11	3.26E-11	1.89E-11	8.85E-12	2.14E-10	1.18E-11	2.34342E-10	3.498E-08	2.3413E-06	6.21E-07	8.97007E-12	3.1139E-11	5.51046E-12	6.37639E-12
788	571079.2	4178406	9.17, 41784	4.42977	14.91	310.20505	209.99469	72.09993	91.11305	2.46361E-08	5.21E-10	2.52E-08	1.73E-06	7.34E-09	1.73E-06	4.01E-07	2.52E-09	4.04E-07	7.76E-12	2.34E-11	1.36E-11	6.36E-12	1.54E-10	8.48E-12	1.68538E-10	2.516E-08	1.7325E-06	4.04E-07	6.45126E-12	2.23951E-11	3.96311E-12	4.58589E-12
789	571119.2	4178286	9.17, 41782	25.0824	15.07438	507.91812	256.39153	211.8106	106.96205	1.39495E-07	5.27E-10	1.4E-07	2.82E-06	8.96E-09	2.83E-06	1.18E-06	7.40E-09	1.19E-06	4.32E-11	1.3E-10	7.55E-11	3.54E-11	8.55E-10	4.72E-11	9.38067E-10	1.4E-07	2.8337E-06	1.19E-06	3.5907E-11	1.24649E-10	2.20583E-11	2.55246E-11
790	571119.2	4178326	9.17, 41783	197.49067	14.51391	3348.29445	230.6601	1622.72219	95.52079	1.09834E-06	5.07E-10	1.1E-06	1.86E-05	8.06E-09	1.86E-05	9.02E-06	5.67E-08	9.08E-06	3.39E-10	1.02E-09	5.93E-10	2.78E-10	6.71E-09	3.7E-10	7.36164E-09	1.099E-06	1.863E-05	9.08E-06	2.81787E-10	9.78203E-10	1.73106E-10	2.00309E-10
791	571119.2	4178366	9.17, 41783	10.01384	12.46582	630.48898	206.62645	198.58486	83.22549	5.56918E-08	4.36E-10	5.61E-08	3.51E-06	7.22E-09	3.51E-06	1.1E-06	6.94E-09	1.11E-06	1.73E-11	5.23E-11	3.03E-11	1.42E-11	3.43E-10	1.89E-11	3.76021E-10	5.613E-08	3.5137E-06	1.11E-06	1.43932E-11	4.99651E-11	8.842E-12	1.02315E-11
792	571159.2	4178326	9.17, 41783	219.15803	19.05137	3124.9508	277.70648	1560.39264	128.55095	1.21884E-06	6.66E-10	1.22E-06	1.74E-05	9.71E-09	1.74E-05	8.68E-06	5.45E-08	8.73E-06	3.76E-10	1.14E-09	6.58E-10	3.08E-10	7.45E-09	4.11E-10	8.17E-09	1.22E-06	1.7389E-05	8.73E-06	3.12729E-10	1.08562E-09	1.92114E-10	2.22304E-10
793	570808.8	4178465	8.82, 41784	10.95844	3.34212	1253.90468	193.66587	302.59047	56.7134	6.09452E-08	1.17E-10	6.11E-08	6.97E-06	6.77E-09	6.98E-06	1.68E-06	1.06E-08	1.69E-06	1.88E-11	5.69E-11	3.29E-11	1.54E-11	3.73E-10	2.06E-11	4.0908E-10	6.106E-08	6.9803E-06	1.69E-06	1.56586E-11	5.43578E-11	9.61935E-12	1.1131E-11
794	570823.9	4178530	3.91, 41785	3.05561	3.25593	358.64643	197.99385	70.39413	63.38636	1.69937E-08	1.14E-10	1.71E-08	1.99E-06	6.92E-09	2E-06	3.91E-07	2.46E-09	3.94E-07	5.28E-12	1.59E-11	9.23E-12	4.33E-12	1.05E-10	5.77E-12	1.1461E-10	1.711E-08	2.0015E-06	3.94E-07	4.38702E-12	1.52292E-11	2.69502E-12	3.11852E-12
795	570883.3	4178602	3.31, 41786	3.07425	4.49746	479.66242	287.53386	94.76169	103.00469	1.70974E-08	1.57E-10	1.73E-08	2.67E-06	1.00E-08	2.68E-06	5.27E-07	3.31E-09	5.3E-07	5.32E-12	1.61E-11	9.31E-12	4.36E-12	1.05E-10	5.82E-12	1.15596E-10	1.725E-08	2.6777E-06	5.3E-07	4.42473E-12	1.53601E-11	2.71818E-12	3.14533E-12
796	571181.5	4178310	1.45, 41783	77.30582	13.12592	2585.53888	242.23364	872.95261	114.20023	4.29935E-07	4.59E-10	4.3E-07	1.44E-05	8.47E-09	1.44E-05	4.85E-06	3.05E-08	4.89E-06	1.33E-10	4.01E-10	2.32E-10	1.09E-10	2.63E-09	1.45E-10	2.88339E-09	4.304E-07	1.4388E-05	4.89E-06	1.10369E-10	3.8314E-10	6.78017E-11	7.84563E-11
797	571067.8	4178207	7.83, 41782	5.36607	4.9243	895.65181	299.02694	223.56067	96.05921	2.98433E-08	1.72E-10	3E-08	4.98E-06	1.05E-08	4.99E-06	1.24E-06	7.81E-09	1.25E-06	9.26E-12	2.8E-11	1.62E-11	7.59E-12	1.83E-10	1.01E-11	2.01086E-10	3.002E-08	4.9916E-06	1.25E-06	7.6971E-12	2.67199E-11	4.72845E-12	5.4715E-12
798	570799.9	4178447	9.89, 41784	4.88888	2.78293	732.83791	152.28075	142.77112	52.0733	2.71894E-08	9.73E-11	2.73E-08	4.08E-06	5.32E-09	4.08E-06	7.94E-07	4.99E-09	7.99E-07	8.42E-12	2.54E-11	1.47E-11	6.9E-12	1.67E-10	9.2E-12	1.82805E-10	2.729E-08	4.081E-06	7.99E-07	6.99735E-12	2.42908E-11	4.29859E-12	4.97408E-12
799	490186.7	3860535	6.72, 38605	0.00149		8.11608			1.15944	8.28661E-12	0.00E+00	8.29E-12	4.51E-08	0.00E+00	4.51E-08	0	0.00E+00	0	2.56E-15	7.72E-15	4.47E-15	2.1E-15	5.06E-14	2.79E-15	5.55155E-14	8.287E-12	4.5137E-08	0	2.125E-15	7.3768E-15	1.30542E-15	1.51056E-15

Copper

	Trenching	Grading
Emissions Rate (g/s):	2.04E-07	1.28E-09

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	0	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	0	10	2	70	0.85
2<9	631	1	0.854795	0.000001	0	3	0.75	70	0.72
Student	520	1	0.493151	0.000001	0	3	3	70	1
Worker	230	1	0.684932	0.000001	0	1	3	70	1

Copper

	Chronic (Annu	Acute (1hr)	8hr
REL:	1	100	1

				Concentration [µg/m^3] at 1 g/s						Concentration (µg/m^3) Unmitigated									Unmitigated Residential Dose			Risk by Age Group				Unmitigated			Student Unmitigated		Worker Unmitigated	
#	X	Y	X,Y	Trenching Period	Grading Period	Treching 1hr	Grading 1hr	Trenching 8hr	Grading 8hr	Trenching Period	Grading Period	Period Total	Treching 1hr	Grading 1hr	1hr Total	Trenching 8hr	Grading 8hr	8hr Total	3rd	0<2	2<9	3rd	0<2	2<9	Total Risk	Chronic	Acute	8hr	Dose	Risk	Dose	Risk
1	570310.6	4177919	0.55, 41779	0.08215	0.06425	53.98877	25.74637	6.7486	3.78109	1.67957E-08	8.25E-11	1.69E-08	1.1E-05	3.31E-08	1.11E-05	1.38E-06	8.67E-09	1.39E-06	5.21E-12	1.57E-11	9.1E-12	0	0	0	0	1.688E-08	1.1071E-07	1.39E-06	4.32823E-12	0	2.6589E-12	0
2	570350.6	4177919	0.55, 41779	0.08744	0.06946	61.34869	26.43683	7.66859	3.66465	1.78772E-08	8.92E-11	1.8E-08	1.25E-05	3.40E-08	1.26E-05	1.57E-06	9.85E-09	1.58E-06	5.54E-12	1.67E-11	9.69E-12	0	0	0	0	1.797E-08	1.2577E-07	1.58E-06	4.6073E-12	0	2.83034E-12	0
3	570390.6	4177919	0.55, 41779	0.09273	0.07514	67.57642	27.23616	8.44705	3.80844	1.89588E-08	9.65E-11	1.91E-08	1.38E-05	3.50E-08	1.39E-05	1.73E-06	1.09E-08	1.74E-06	5.88E-12	1.78E-11	1.03E-11	0	0	0	0	1.906E-08	1.3851E-07	1.74E-06	4.88652E-12	0	3.00187E-12	0
4	570430.6	4177919	0.55, 41779	0.09799	0.08123	71.34976	28.07066	8.91872	4.01428	2.00342E-08	1.04E-10	2.01E-08	1.46E-05	3.61E-08	1.46E-05	1.82E-06	1.15E-08	1.83E-06	6.21E-12	1.88E-11	1.09E-11	0	0	0	0	2.014E-08	1.4624E-07	1.83E-06	5.1643E-12	0	3.17252E-12	0
5	570470.6	4177919	0.55, 41779	0.10292	0.08757	71.34124	28.88227	8.91766	4.18506	2.10422E-08	1.13E-10	2.12E-08	1.46E-05	3.71E-08	1.46E-05	1.82E-06	1.15E-08	1.83E-06	6.53E-12	1.97E-11	1.14E-11	0	0	0	0	2.115E-08	1.4623E-07	1.83E-06	5.42487E-12	0	3.33258E-12	0
6	570510.6	4177919	0.55, 41779	0.10719	0.09397	70.57748	29.51269	8.82218	4.31581	2.19152E-08	1.21E-10	2.2E-08	1.44E-05	3.79E-08	1.45E-05	1.8E-06	1.13E-08	1.82E-06	6.8E-12	2.05E-11	1.19E-11	0	0	0	0	2.204E-08	1.4468E-07	1.82E-06	5.65085E-12	0	3.47141E-12	0
7	570550.6	4177919	0.55, 41779	0.11095	0.10041	80.02506	30.00614	10.00313	4.88273	2.26839E-08	1.29E-10	2.28E-08	1.64E-05	3.86E-08	1.64E-05	2.05E-06	1.29E-08	2.06E-06	7.04E-12	2.13E-11	1.23E-11	0	0	0	0	2.281E-08	1.64E-07	2.06E-06	5.85011E-12	0	3.59381E-12	0
8	570590.6	4177919	0.55, 41779	0.11537	0.10684	81.14556	31.22548	10.14319	5.49199	2.35876E-08	1.37E-10	2.37E-08	1.66E-05	4.01E-08	1.66E-05	2.07E-06	1.30E-08	2.09E-06	7.32E-12	2.21E-11	1.28E-11	0	0	0	0	2.372E-08	1.663E-07	2.09E-06	6.08396E-12	0	3.73748E-12	0
9	570630.6	4177919	0.55, 41779	0.12154	0.11343	82.02682	32.76834	10.54682	6.07261	2.4849E-08	1.46E-10	2.5E-08	1.68E-05	4.21E-08	1.68E-05	2.16E-06	1.36E-08	2.17E-06	7.71E-12	2.33E-11	1.35E-11	0	0	0	0	2.499E-08	1.6813E-07	2.17E-06	6.40962E-12	0	3.93753E-12	0
10	570670.6	4177919	0.55, 41779	0.12896	0.11974	90.28793	34.09351	12.11861	6.60764	2.63661E-08	1.54E-10	2.65E-08	1.85E-05	4.38E-08	1.85E-05	2.48E-06	1.56E-08	2.49E-06	8.18E-12	2.47E-11	1.43E-11	0	0	0	0	2.652E-08	1.8503E-07	2.49E-06	6.80072E-12	0	4.1778E-12	0
11	570710.6	4177919	0.55, 41779	0.13589	0.12543	92.03158	38.34133	11.50395	7.03486	2.77829E-08	1.61E-10	2.79E-08	1.88E-05	4.93E-08	1.89E-05	2.35E-06	1.48E-08	2.37E-06	8.62E-12	2.6E-11	1.51E-11	0	0	0	0	2.794E-08	1.8865E-07	2.37E-06	7.16593E-12	0	4.40215E-12	0
12	570750.6	4177919	0.55, 41779	0.14097	0.13029	98.93292	42.68075	12.36662	7.25038	2.88215E-08	1.67E-10	2.9E-08	2.02E-05	5.48E-08	2.03E-05	2.53E-06	1.59E-08	2.54E-06	8.95E-12	2.7E-11	1.56E-11	0	0	0	0	2.899E-08	2.0282E-07	2.54E-06	7.43388E-12	0	4.56675E-12	0
13	570790.6	4177919	0.55, 41779	0.1434	0.13429	101.78306	44.96916	12.72288	7.16867	2.93184E-08	1.73E-10	2.95E-08	2.08E-05	5.78E-08	2.09E-05	2.6E-06	1.63E-08	2.62E-06	9.1E-12	2.75E-11	1.59E-11	0	0	0	0	2.949E-08	2.0867E-07	2.62E-06	7.5626E-12	0	4.64583E-12	0
14	570830.6	4177919	0.55, 41779	0.14249	0.1373	103.05806	46.92439	12.88226	6.63254	2.91323E-08	1.76E-10	2.93E-08	2.11E-05	6.03E-08	2.11E-05	2.63E-06	1.66E-08	2.65E-06	9.04E-12	2.73E-11	1.58E-11	0	0	0	0	2.931E-08	2.1131E-07	2.65E-06	7.51588E-12	0	4.61713E-12	0
15	570870.6	4177919	0.55, 41779	0.13915	0.13926	113.81753	49.41272	14.22719	6.17659	2.84494E-08	1.79E-10	2.86E-08	2.33E-05	6.35E-08	2.33E-05	2.91E-06	1.83E-08	2.93E-06	8.83E-12	2.67E-11	1.54E-11	0	0	0	0	2.863E-08	2.3334E-07	2.93E-06	7.34141E-12	0	4.50995E-12	0
16	570910.6	4177919	0.55, 41779	0.13537	0.14116	103.09741	52.00284	16.13684	6.50036	2.76766E-08	1.81E-10	2.79E-08	2.11E-05	6.68E-08	2.11E-05	3.3E-06	2.07E-08	3.32E-06	8.6E-12	2.6E-11	1.5E-11	0	0	0	0	2.786E-08	2.1145E-07	3.32E-06	7.14385E-12	0	4.38858E-12	0
17	570950.6	4177919	0.55, 41779	0.13129	0.14261	128.63222	54.75687	19.7206	7.6051	2.68425E-08	1.83E-10	2.7E-08	2.63E-05	7.03E-08	2.64E-05	4.03E-06	2.53E-08	4.06E-06	8.34E-12	2.52E-11	1.46E-11	0	0	0	0	2.703E-08	2.6369E-07	4.06E-06	6.93042E-12	0	4.25747E-12	0
18	570990.6	4177919	0.55, 41779	0.12715	0.1442	126.51514	58.01026	18.07359	9.36612	2.5996E-08	1.85E-10	2.62E-08	2.59E-05	7.45E-08	2.59E-05	3.7E-06	2.32E-08	3.72E-06	8.08E-12	2.44E-11	1.41E-11	0	0	0	0	2.618E-08	2.5941E-07	3.72E-06	6.71389E-12	0	4.12445E-12	0
19	571030.6	4177919	0.55, 41779	0.12254	0.14609	125.39004	62.99788	17.19472	10.49965	2.50535E-08	1.88E-10	2.52E-08	2.56E-05	8.09E-08	2.57E-05	3.52E-06	2.21E-08	3.54E-06	7.79E-12	2.35E-11	1.36E-11	0	0	0	0	2.524E-08	2.5717E-07	3.54E-06	6.47281E-12	0	3.97635E-12	0
20	571070.6	4177919	0.55, 41779	0.1201	0.14847	126.80092	67.58831	16.22667	10.87469	2.45546E-08	1.91E-10	2.47E-08	2.59E-05	8.68E-08	2.6E-05	3.32E-06	2.08E-08	3.34E-06	7.64E-12	2.31E-11	1.33E-11	0	0	0	0	2.475E-08	2.6011E-07	3.34E-06	6.34567E-12	0	3.89825E-12	0
21	571110.6	4177919	0.55, 41779	0.1205	0.15044	126.62476	68.47754	20.2586	9.61445	2.46364E-08	1.93E-10	2.48E-08	2.59E-05	8.80E-08	2.6E-05	4.14E-06	2.60E-08	4.17E-06	7.66E-12	2.31E-11	1.34E-11	0	0	0	0	2.483E-08	2.5977E-07	4.17E-06	6.36729E-12	0	3.91153E-12	0
22	571150.6	4177919	0.55, 41779	0.1212	0.15159	131.66409	62.22893	21.10658	9.19459	2.47795E-08	1.95E-10	2.5E-08	2.69E-05	7.99E-08	2.7E-05	4.32E-06	2.71E-08	4.34E-06	7.71E-12	2.33E-11	1.35E-11	0	0	0	0	2.497E-08	2.6999E-07	4.34E-06	6.40437E-12	0	3.93431E-12	0
23	571190.6	4177919	0.55, 41779	0.12215	0.15198	137.85581	66.48698	19.69369	10.25241	2.49738E-08	1.95E-10	2.52E-08	2.82E-05	8.54E-08	2.83E-05	4.03E-06	2.53E-08	4.05E-06	7.77E-12	2.35E-11	1.36E-11	0	0	0	0	2.517E-08	2.827E-07	4.05E-06	6.4543E-12	0	3.96498E-12	0
24	571230.6	4177919	0.55, 41779	0.12354	0.15154	148.65332	75.08948	21.23619	9.50538	2.5258E-08	1.95E-10	2.55E-08	3.04E-05	9.65E-08	3.05E-05	4.34E-06	2.73E-08	4.37E-06	7.85E-12	2.37E-11	1.37E-11	0	0	0	0	2.545E-08	3.0489E-07	4.37E-06	6.52703E-12	0	4.00966E-12	0
25	571270.6	4177919	0.55, 41779	0.12544	0.15047	135.01221	73.55453	18.66937	9.80753	2.56464E-08	1.93E-10	2.58E-08	2.76E-05	9.45E-08	2.77E-05	3.82E-06	2.40E-08	3.84E-06	7.97E-12	2.41E-11	1.39E-11	0	0	0	0	2.584E-08	2.7698E-07	3.84E-06	6.6263E-12	0	4.07064E-12	0
26	571310.6	4177919	0.55, 41779	0.12844	0.14895	144.25948	74.57026	18.03243	9.63087	2.62598E-08	1.91E-10	2.65E-08	2.95E-05	9.58E-08	2.96E-05	3.69E-06	2.32E-08	3.71E-06	8.16E-12	2.46E-11	1.43E-11	0	0	0	0	2.645E-08	2.959E-07	3.71E-06	6.78308E-12	0	4.16696E-12	0
27	571350.6	4177919	0.55, 41779	0.13264	0.1484	134.13439	65.82548	16.7668	8.49886	2.71185E-08	1.91E-10	2.73E-08	2.74E-05	8.46E-08	2.75E-05	3.43E-06	2.15E-08	3.45E-06	8.43E-12	2.54E-11	1.47E-11	0	0	0	0	2.731E-08	2.7509E-07	3.45E-06	7.00311E-12	0	4.30212E-12	0
28	571390.6	4177919	0.55, 41779	0.13487	0.1464	140.45529	51.40311	17.55691	7.98518	2.75744E-08	1.88E-10	2.78E-08	2.87E-05	6.60E-08	2.88E-05	3.59E-06	2.26E-08	3.61E-06	8.57E-12	2.59E-11	1.5E-11	0	0	0	0	2.776E-08	2.8782E-07	3.61E-06	7.11936E-12	0	4.37354E-12	0
29	571430.6	4177919	0.55, 41779	0.14548	0.15293	139.19794	49.3636	17.39974	7.65374	2.97436E-08	1.96E-10	2.99E-08	2.85E-05	6.34E-08	2.85E-05	3.56E-06	2.24E-08	3.58E-06	9.24E-12	2.79E-11	1.61E-11	0	0	0	0	2.994E-08	2.8523E-07	3.58E-06	7.67779E-12	0	4.71659E-12	0
30	571470.6	4177919	0.55, 41779	0.15916	0.16179	134.87595	45.89373	16.85949	6.86379	3.25405E-08	2.08E-10	3.27E-08	2.76E-05	5.90E-08	2.76E-05	3.45E-06	2.17E-08	3.47E-06	1.01E-11	3.05E-11	1.77E-11	0	0	0	0	3.275E-08	2.7635E-07	3.47E-06	8.39794E-12	0	5.15899E-12	0
31	571510.6	4177919	0.55, 41779	0.17426	0.17151	122.2315	42.4201	15.27894	5.85942	3.56277E-08	2.20E-10	3.58E-08	2.5E-05	5.45E-08	2.5E-05	3.12E-06	1.96E-08	3.14E-06	1.11E-11	3.34E-11	1.93E-11	0	0	0	0	3.585E-08	2.5045E-07	3.14E-06	9.19282E-12	0	5.6473E-12	0
32	571550.6	4177919	0.55, 41779	0.18787	0.18026	112.99449	35.73716	14.12431	5.76206	3.84103E-08	2.32E-10	3.86E-08	2.31E-05	4.59E-08	2.31E-05	2.89E-06	1.81E-08	2.91E-06	1.19E-11	3.6E-11	2.08E-11	0	0	0	0	3.864E-08	2.3148E-07	2.91E-06	9.90927E-12	0	6.08743E-12	0
33	571590.6	4177919	0.55, 41779	0.19949	0.18751	94.68734	29.26563	11.83592	5.30509	4.07861E-08	2.41E-10	4.1E-08	1.94E-05	3.76E-08	1.94E-05	2.42E-06	1.52E-08	2.44E-06	1.27E-11	3.82E-11	2.21E-11	0	0	0	0	4.103E-08	1.9397E-07	2.44E-06	1.05209E-11	0	6.46315E-12	0
34	570310.6	4177959	0.55, 41779	0.08597	0.06676	56.89619	26.25101	7.11202	4.18522	1.75767E-08	8.58E-11	1.77E-08	1.16E-05	3.37E-08	1.17E-05	1.45E-06	9.14E-09	1.46E-06	5.45E-12	1.65E-11	9.53E-12	0	0	0	0	1.766E-08	1.1666E-07	1.46E-06	4.52934E-12	0	2.78244E-12	0
35	570350.6	4177959	0.55, 41779	0.09204	0.07257	58.96006	27.16756	7.37001	4.19821	1.88177E-08	9.32E-11	1.89E-08	1.21E-05	3.49E-08	1.21E-05	1.51E-06	9.47E-09	1.52E-06	5.84E-12	1.76E-11	1.02E-11	0	0	0	0	1.891E-08	1.2089E-07	1.52E-06	4.8495E-12	0	2.97912E-12	0
36	570390.6	4177959	0.55, 41779	0.09833	0.07904	63.0038	28.02201	7.87548	4.15896	2.01037E-08	1.02E-10	2.02E-08	1.29E-05	3.60E-08	1.29E-05	1.61E-06	1.01E-08	1.62E-06	6.23E-12	1.88E-11	1.09E-11	0	0	0	0	2.021E-08	1.2917E-07	1.62E-06	5.18141E-12	0	3.18302E-12	0
37	570430.6	4177959	0.55, 41779	0.10461	0.08611	70.72142	28.76698	8.84018	4.23038	2.13877E-08	1.11E-10	2.15E-08	1.45E-05	3.70E-08	1.45E-05	1.81E-06	1.14E-08	1.82E-06	6.63E-12	2E-11	1.16E-11	0	0	0	0	2.15E-08	1.4496E-07	1.82E-06	5.51299E-12	0	3.38672E-12	0
38	570470.6	4177959	0.55, 41779	0.11098	0.09385	78.78718	29.82596	9.8484	4.47695	2.269E-08	1.21E-10	2.28E-08	1.61E-05	3.83E-08	1.61E-05	2.01E-06	1.27E-08	2.03E-06	7.04E-12	2.13E-11	1.23E-11	0	0	0	0	2.281E-08	1.6146E-07	2.03E-06	5.84952E-12	0	3.59345E-12	0
39	570510.6	4177959	0.55, 41779	0.1169	0.10189	83.26174	30.87615	10.40772	4.70339	2.39004E-08	1.31E-10	2.4E-08	1.7E-05	3.97E-08	1.71E-05	2.13E-06	1.34E-08	2.14E-06	7.42E-12	2.24E-11	1.3E-11	0	0	0	0	2.403E-08	1.7063E-07	2.14E-06	6.16255E-12	0	3.78575E-12	0
40	570550.6	4177959	0.55, 41779	0.12213	0.11	82.46075	31.83495	10.30759	4.9071	2.49697E-08	1.41E-10	2.51E-08	1.69E-05	4.09E-08	1.69E-05	2.11E-06	1.32E-08	2.12E-06	7.75E-12	2.34E-11	1.35E-11	0	0	0	0	2.511E-08	1.69E-07	2.12E-06	6.43942E-12	0	3.95584E-12	0
41	570590.6	4177959	0.55, 41779	0.1275	0.1185	87.61849	32.53805	10.95231	5.6614	2.60676E-08	1.52E-10	2.62E-08	1.79E-05	4.18E-08	1.8E-05	2.24E-06	1.41E-08	2.25E-06	8.09E-12	2.44E-11	1.41E-11	0	0	0	0	2.622E-08	1.7956E-07	2.25E-06	6.72377E-12	0	4.13052E-12	0
42	570630.6	4177959	0.55, 41779	0.13429	0.12721	94.25098	33.95012	11.78137	6.34882	2.74558E-08	1.63E-10	2.76E-08	1.93E-05	4.36E-08	1.93E-05	2.41E-06	1.51E-08	2.42E-06	8.52E-12	2.57E-11	1.49E-11	0	0	0	0	2.762E-08	1.9313E-07	2.42E-06	7.08263E-12	0	4.35098E-12	0
43	570670.6	4177959	0.55, 41779	0.1434	0.13582	91.47953	35.4429	12.89467	6.97952	2.93184E-08	1.74E-10	2.95E-08	1.87E-05	4.55E-08	1.87E-05	2.64E-06	1.66E-08	2.65E-06	9.1E-12	2.75E-11	1.59E-11	0	0	0	0	2.949E-08	1.8749E-07	2.65E-06	7.5631E-12	0	4.64614E-12	0
44	570710.6	4177959	0.55, 41779	0.15342	0.14402	103.54122	38.62398	12.94265	7.57754	3.1367E-08	1.85E-10	3.16E-08	2.12E-05	4.96E-08	2.12E-05	2.65E-06	1.66E-08	2.66E-06	9.74E-12	2.94E-11	1.7E-11	0	0	0	0	3.155E-08	2.1219E-07	2.66E-06	8.09114E-12	0	4.97052E-12	0
45	570750.6	4177959	0.55, 41779	0.16261	0.1515	105.52732	44.38977	13.19092	8.09206	3.32459E-08	1.95E-10	3.34E-08	2.16E-05	5.70E-08	2.16E-05	2.7E-06	1.69E-08	2.71E-06	1.03E-11	3.12E-11	1.8E-11	0	0	0	0	3.344E-08	2.1632E-07	2.71E-06	8.57543E-12	0	5.26803E-12	0
46	570790.6	4177959	0.55, 41779	0.16989	0.15823	113.60479	47.24143	14.2006	8.3928	3.47343E-08	2.03E-10	3.49E-08	2.32E-05	6.07E-08	2.33E-05	2.9E-06	1.82E-08	2.92E-06	1.08E-11	3.26E-11	1.88E-11	0	0	0	0	3.494E-08	2.3287E-07	2.92E-06	8.95933E-12	0	5.50386E-12	0
47	570830.6	4177959	0.55, 41779	0.1738	0.16401	115.20896	49.45722	14.40112	8.28774	3.55337E-08	2.11E-10	3.57E-08	2.36E-05	6.35E-08	2.36E-05	2.94E-06	1.85E-08	2.96E-06	1.1E-11	3.33E-11	1.93E-11	0	0	0	0	3.574E-08	2.3618E-07	2.96E-06	9.16624E-12	0	5.63097E-12	0
48	570870.6	4177959	0.55, 41779	0.17339	0.16851	122.33209	52.01335	15.29151	7.46689	3.54499E-08	2.16E-10	3.57E-08	2.5E-05	6.68E-08	2.51E-05	3.13E-06	1.96E-08	3.15E-06	1.1E-11	3.32E-11	1.92E-11	0	0	0	0	3.567E-08	2.5078E-07	3.15E-06	9.14622E-12	0	5.61867E-12	0
49	570910.6	4177959	0.55, 41779	0.16973	0.17204	128.70888	55.67631	16.08861	6.95954	3.47016E-08	2.21E-10	3.49E-08	2.63E-05	7.15E-08	2.64E-05	3.29E-06	2.07E-08	3.31E-06	1.08E-11	3.25E-11	1.88E-11	0	0	0	0	3.492E-08	2.6386E-07	3.31E-06	8.9555E-12	0	5.50151E-12	0
50	570950.6	4177959	0.55, 41779	0.16375	0.1746	137.78687	58.35606	21.41966	8.40086	3.3479E-08	2.24E-10	3.37E-08	2.82E-05	7.50E-08	2.82E-05	4.38E-06	2.75E-08	4.41E-06	1.04E-11	3.14E-11	1.82E-11	0	0	0	0	3.37E-08	2.8246E-07	4.41E-06	8.64281E-12	0	5.30942E-12	0
51	570990.6	4177959	0.55, 41779	0.1571	0.17611	148.41379	62.43724	21.20197	10.20575	3.21193E-08	2.26E-10	3.23E-08	3.03E-05	8.02E-08	3.04E-05	4.33E-06	2.72E-08	4.36E-06	9.98E-12	3.01E-11	1.74E-11	0	0	0	0	3.235E-08	3.0424E-07	4.36E-06	8.29465E-12	0	5.09554E-12	0
52	571030.6	4177959	0.55, 41779	0.15135	0.1787	141.29712	68.4386	19.05284	11.40643	3.09438E-08	2.30E-10	3.12E-08	2.89E-05	8.79E-08	2.9E-05	3.9E-06	2.45E-08	3.92E-06	9.62E-12	2.9E-11	1.68E-11	0	0	0	0	3.117E-08	2.8976E-07	3.92E-06	7.99404E-12	0	4.91087E-12	0
53	571070.6	4177959	0.55, 41779	0.14838	0.1815	143.49488	74.36914	18.79197	11.80682	3.03365E-08	2.33E-10	3.06E-08	2.93E-05	9.55E-08	2.94E-05	3.84E-06	2.41E-08	3.87E-06	9.43E-12	2.85E-11	1.65E-11	0	0	0	0	3.057E-08	2.9433E-07	3.87E-06	7.83925E-12	0	4.81578E-12	0
54	571110.6	4177959	0.55, 41779	0.14858	0.18375	140.62761	73.34522	22.74237	10.22286	3.03774E-08	2.36E-10	3.06E-08	2.88E-05	9.42E-08	2.88E-05	4.65E-06	2.92E-08	4.68E-06	9.45E-12	2.85E-11	1.65E-11	0	0	0	0	3.061E-08	2.8846E-07	4.68E-06	7.85047E-12	0	4.82267E-12	0
55	571150.6	4177959	0.55, 41779	0.14994	0.18566	146.3467	67.83983	22.92053	11.48399	3.06555E-08	2.39E-10	3.09E-08	2.99E-05	8.72E-08	3E-05	4.69E-06	2.94E-08	4.72E-06	9.53E-12	2.88E-11	1.67E-11	0	0	0	0	3.089E-08	3.0008E-07	4.72E-06	7.92241E-12	0	4.86686E-12	0
56	571190.6	4177959	0.55, 41779	0.1525	0.18616	161.89014	78.97315	23.12716	11.84075	3.11789E-08	2.39E-10	3.14E-08	3.31E-05	1.01E-07	3.32E-05	4.73E-06	2.97E-08	4.76E-06	9.7E-12	2.93E-11	1.69E-11	0	0	0	0	3.142E-08	3.32E-07	4.76E-06	8.05679E-12	0	4.94942E-12	0
57	571230.6	4177959	0.55, 41779	0.15542	0.18516	156.07845	81.92899	22.29692	11.22006	3.17759E-08	2.38E-10	3.2E-08	3.19E-05	1.05E-07	3.2E-05	4.56E-06	2.86E-08	4.59E-06	9.88E-12	2.98E-11	1.73E-11	0	0	0	0	3.201E-08	3.2016E-07	4.59E-06	8.20956E-12	0	5.04326E-12	0
58	571270.6	4177959	0.55, 41779	0.15909	0.18379	158.42767	82.70179	19.80346	11.54254	3.25262E-08	2.36E-10	3.28E-08	3.24E-05	1.06E-07	3.25E-05	4.05E-06	2.54E-08	4.07E-06	1.01E-11	3.05E-11	1.77E-11	0	0	0	0	3.276E-08	3.2497E-07	4.07E-06	8.40152E-12	0	5.16119E-12	0
59	571310.6	4177959	0.55, 41779	0.1655	0.18382	150.26158	75.50789	18.7827	10.48328	3.38367E-08	2.36E-10	3.41E-08	3.07E-05	9.70E-08	3.08E-05	3.84E-06	2.41E-08	3.86E-06	1.05E-11	3.17E-11	1.84E-11	0	0	0	0	3.407E-08	3.0818E-07	3.86E-06	8.7376E-12	0	5.36765E-12	0
60	571350.6	4177959	0.55, 41779	0.17654	0.1881	154.82597	60.83045	19.35325	9.71095	3.60939E-08	2.42E-10	3.63E-08	3.17E-05	7.82E-08	3.17E-05	3.96E-06	2.49E-08	3.98E-06	1.12E-11	3.39E-11	1.96E-11	0	0	0	0	3.634E-08	3.1733E-07	3.98E-06	9.31783E-12	0	5.72409E-12	0
61	571390.6	4177959	0.55, 41779	0.18842	0.1934	152.92189	54.55359	19.11524	9.16318	3.85228E-08	2.48E-10	3.88E-08	3.13E-05	7.01E-08	3.13E-05	3.91E-06	2.46E-08	3.93E-06	1.2E-11	3.61E-11	2.09E-11	0	0	0	0	3.877E-08	3.1335E-07	3.93E-06	9.94243E-12	0	6.1078E-12	0
62	571430.6	4177959	0.55, 41779	0.20645	0.20414	148.33328	50.38722	18.54166	8.09078	4.2209E-08	2.62E-10	4.25E-08	3.03E-05	6.47E-08	3.04E-05	3.79E-06	2.38E-08	3.81E-06	1.31E-11	3.96E-11	2.29E-11	0	0	0	0	4.247E-08	3.0392E-07	3.81E-06	1.08913E-11	0	6.69069E-12	0
63	571470.6	4177959	0.55, 41779	0.22554	0.21577	134.13897	46.24246	16.76737	6.92684	4.6112E-08	2.77E-10	4.64E-08	2.74E-05	5.94E-08	2.75E-05	3.43E-06	2.15E-08	3.45E-06	1.43E-11	4.32E-11	2.5E-11	0	0	0	0	4.639E-08	2.7484E-07	3.45E-06	1.1896E-11	0	7.30789E-12	0
64	571510.6	4177959	0.55, 41779	0.24332	0.22654	122.33786	38.55117	15.29223	6.75463	4.97472E-08	2.91E-10	5E-08	2.5E-05	4.95E-08	2.51E-05	3.13E-06	1.96E-08	3.15E-06	1.54E-11	4.66E-11	2.7E-11	0	0	0	0	5.004E-08	2.5062E-07	3.15E-06	1.28317E-11	0	7.88273E-12	0
65	571550.6	4177959	0.55, 41779	0.25539	0.23344	100.38932	31.1899	12.54867	6.13877	5.22149E-08	3.00E-10	5.25E-08	2.05E-05	4.01E-08	2.06E-05	2.57E-06	1.61E-08	2.58E-06	1.62E-11	4.89E-11	2.83E-11	0	0	0	0	5.251E-08	2.0565E-07	2.58E-06	1.34668E-11	0	8.27288E-12	0
66	571590.6	4177959	0.55, 41779	0.26174	0.2364	103.20811	24.1035	12.90101	5.55119	5.35132E-08	3.04E-10	5.38E-08	2.11E-05	3.10E-08	2.11E-05	2.64E-06	1.66E-08	2.65E-06	1.66E-11	5.01E-11	2.9E-11	0	0	0	0	5.382E-08	2.1132E-07	2.65E-06	1.38007E-11	0	8.478E-12	0
67	570310.6	4177999	0.55, 41779	0.08992	0.06909	61.55411	26.71644	7.69426	4.42886	1.83843E-08	8.88E-11	1.85E-08	1.26E-05	3.43E-08	1.26E-05	1.57E-06	9.89E-09	1.58E-06	5.7E-12	1.72E-11	9.96E-12	0	0	0	0	1.847E-08	1.2619E-07	1.58E-06	4.7372E-12	0	2.91014E-12	0
68	570350.6	4177999	0.55, 41779	0.09687	0.07551	63.16088	27.72336	7.89511	4.52605	1.98052E-08	9.70E-11	1.99E-08	1.29E-05	3.56E-08	1.29E-05	1.61E-06	1.01E-08	1.62E-06	6.14E-12	1.85E-11	1.07E-11	0	0	0	0	1.99E-08	1.2949E-07	1.62E-06	5.1037E-12	0	3.13528E-12	0
69	570390.6	4177999	0.55, 41779	0.10411	0.08268	65.18315	28.66629	8.14789	4.5901	2.12855E-08	1.06E-10	2.14E-08	1.33E-05	3.68E-08	1.34E-05	1.67E-06	1.05E-08	1.68E-06	6.6E-12	1.99E-11	1.15E-11	0	0	0	0	2.139E-08	1.3364E-07	1.68E-06	5.48565E-12	0	3.36992E-12	0
70	570430.6	4177999	0.55, 41779	0.11178	0.0909	69.77828	29.77159	8.72229	4.64595	2.28536E-08	1.17E-10	2.3E-08	1.43E-05	3.82E-08	1.43E-05	1.78E-06	1.12E-08	1.79E-06	7.09E-12	2.14E-11	1.24E-11	0	0	0	0	2.297E-08	1.4305E-07	1.79E-06	5.89049E-12	0	3.61862E-12	0
71	570470.6	4177999	0.55, 41779	0.11947	0.09994	73.23749	30.82615	9.15469	4.70414	2.44258E-08	1.28E-10	2.46E-08	1.5E-05	3.96E-08	1.5E-05	1.87E-06	1.18E-08	1.88E-06	7.58E-12	2.29E-11	1.32E-11	0	0	0	0	2.455E-08	1.5013E-07	1.88E-06	6.29665E-12	0	3.86813E-12	0
72	570510.6	4177999	0.55, 41779	0.12689	0.1096	83.36058	31.87471	10.42007	5.00665	2.59429E-08	1.41E-10	2.61E-08	1.7E-05	4.10E-08	1.71E-05	2.13E-06	1.34E-08	2.14E-06	8.05E-12	2.43E-11	1.41E-11	0	0	0	0	2.608E-08	1.7084E-07	2.14E-06	6.68885E-12	0	4.10907E-12	0
73	570550.6	4177999	0.55, 41779	0.1338	0.11968	93.92369	33.13511	11.74046	5.30601	2.73556E-08	1.54E-10	2.75E-08	1.92E-05	4.26E-08	1.92E-05	2.4E-06	1.51E-08	2.42E-06	8.49E-12	2.56E-11	1.48E-11	0	0	0	0	2.751E-08	1.9245E-07	2.42E-06	7.05446E-12	0	4.33367E-12	0
74	570590.6	4177999	0.55, 41779	0.14077	0.13095	98.98148	34.43475	12.37268	5.77536	2.87807E-08	1.68E-10	2.89E-08	2.02E-05	4.42E-08	2.03E-05	2.53E-06	1.59E-08	2.55E-06	8.93E-12	2.7E-11	1.56E-11	0	0	0	0	2.895E-08	2.0281E-07	2.55E-06	7.42361E-12	0	4.56044E-12	0
75	570630.6	4177999	0.55, 41779	0.14863	0.14246	96.29887	35.58815	12.03736	6.62596	3.03876E-08	1.83E-10	3.06E-08	1.97E-05	4.57E-08	1.97E-05	2.46E-06	1.55E-08	2.48E-06	9.43E-12	2.85E-11	1.65E-11	0	0	0	0	3.057E-08	1.9734E-07	2.48E-06	7.83949E-12	0	4.81593E-12	0
76	570670.6	4177999	0.55, 41779	0.15906	0.15417	108.0953	37.02771	13.51191	7.37805	3.25201E-08	1.98E-10	3.27E-08	2.21E-05	4.76E-08	2.21E-05	2.76E-06	1.74E-08	2.78E-06	1.01E-11	3.05E-11	1.76E-11	0	0	0	0	3.272E-08	2.2148E-07	2.78E-06	8.39019E-12	0	5.15423E-12	0
77	570710.6	4177999	0.55, 41779	0.17207	0.16581	109.21603	39.28347	14.39109	8.06843	3.518E-08	2.13E-10	3.54E-08	2.23E-05	5.05E-08	2.24E-05	2.94E-06	1.85E-08	2.96E-06	1.09E-11	3.3E-11	1.91E-11	0	0	0	0	3.539E-08	2.238E-07	2.96E-06	9.07613E-12	0	5.57561E-12	0
78	570750.6	4177999	0.55, 41779	0.18601	0.17706	119.66853	46.10023	14.95857	8.7788	3.803E-08	2.27E-10	3.83E-08	2.45E-05	5.92E-08	2.45E-05	3.06E-06	1.92E-08	3.08E-06	1.18E-11	3.56E-11	2.06E-11	0	0	0	0	3.826E-08	2.4526E-07	3.08E-06	9.8107E-12	0	6.02687E-12	0
79	570790.6	4177999	0.55, 41779	0.19953	0.18772	122.67556	49.8289	15.33445	9.45426	4.07942E-08	2.41E-10	4.1E-08	2.51E-05	6.40E-08	2.51E-05	3.14E-06	1.97E-08	3.15E-06	1.27E-11	3.82E-11	2.21E-11	0	0	0	0	4.104E-08	2.5145E-07	3.15E-06	1.05231E-11	0	6.46448E-12	0
80	570830.6	4177999	0.55, 41779	0.21109	0.19773	133.54261	52.4094	16.69283	9.90962	4.31577E-08	2.54E-10	4.34E-08	2.73E-05	6.73E-08	2.74E-05	3.41E-06	2.14E-08	3.43E-06	1.34E-11	4.04E-11	2.34E-11	0	0	0	0	4.341E-08	2.737E-07	3.43E-06	1.11324E-11	0	6.83883E-12	0
81	570870.6	4177999	0.55, 41779	0.21804	0.20674	131.45449	55.15858	16.43181	9.77159	4.45786E-08	2.66E-10	4.48E-08	2.69E-05	7.09E-08	2.69E-05	3.36E-06	2.11E-08	3.38E-06	1.38E-11	4.18E-11	2.42E-11	0	0	0	0	4.484E-08	2.6947E-07	3.38E-06	1.14998E-11	0	7.0645E-12	0
82	570910.6	4177999	0.55, 41779	0.21803	0.21414	148.11273	59.13207	18.51409	8.43226	4.45766E-08	2.75E-10	4.49E-08	3.03E-05	7.60E-08	3.04E-05	3.79E-06	2.38E-08	3.81E-06	1.38E-11	4.18E-11	2.42E-11	0	0	0	0	4.485E-08	3.0358E-07	3.81E-06	1.15017E-11	0	7.06568E-12	0
83	570950.6	4177999	0.55, 41779	0.2114	0.21889	140.12444	63.58464	21.83562	9.32684	4.32211E-08	2.81E-10	4.35E-08	2.86E-05	8.17E-08	2.87E-05	4.46E-06	2.81E-08	4.49E-06	1.34E-11	4.05E-11	2.35E-11	0	0	0	0	4.35E-08	2.873E-07	4.49E-06	1.11557E-11	0	6.8531E-12	0
84	570990.6	4177999	0.55, 41779	0.2013	0.22185	171.25011	67.61488	25.43318	11.18299	4.11561E-08	2.85E-10	4.14E-08	3.5E-05	8.69E-08	3.51E-05	5.2E-06	3.27E-08	5.23E-06	1.28E-11	3.86E-11	2.24E-11	0	0	0	0	4.144E-08	3.5099E-07	5.23E-06	1.06271E-11	0	6.5284E-12	0
85	571030.6	4177999	0.55, 41779	0.19301	0.22456	161.4506	75.02365	21.94671	12.50394	3.94612E-08	2.89E-10	3.97E-08	3.3E-05	9.64E-08	3.31E-05	4.49E-06	2.82E-08	4.52E-06	1.23E-11	3.7E-11	2.14E-11	0	0	0	0	3.975E-08	3.3105E-07	4.52E-06	1.01934E-11	0	6.26194E-12	0
86	571070.6	4177999	0.55, 41779	0.18927	0.22808	165.36156	82.48884	21.97245	12.95225	3.86966E-08	2.93E-10	3.9E-08	3.38E-05	1.06E-07	3.39E-05	4.49E-06	2.82E-08	4.52E-06	1.2E-11	3.63E-11	2.1E-11	0	0	0	0	3.899E-08	3.3914E-07	4.52E-06	9.99843E-12	0	6.1422E-12	0
87	571110.6	4177999	0.55, 41779	0.18141	0.21619	158.60632	80.72549	25.62624	11.81551	3.70896E-08	2.78E-10	3.74E-08	3.24E-05	1.04E-07	3.25E-05	5.24E-06	3.29E-08	5.27E-06	1.15E-11	3.48E-11	2.02E-11	0	0	0	0	3.737E-08	3.2531E-07	5.27E-06	9.58241E-12	0	5.88663E-12	0
88	571150.6	4177999	0.55, 41779	0.19202	0.23351	164.05988	80.42402	24.96785	14.13496	3.92588E-08	3.00E-10	3.96E-08	3.35E-05	1.03E-07	3.36E-05	5.1E-06	3.21E-08	5.14E-06	1.22E-11	3.69E-11	2.13E-11	0	0	0	0	3.956E-08	3.3646E-07	5.14E-06	1.01444E-11	0	6.23187E-12	0
89	571190.6	4177999	0.55, 41779	0.1978	0.23414	182.21875	91.74664	26.03125	13.21695	4.04405E-08	3.01E-10	4.07E-08	3.73E-05	1.18E-07	3.74E-05	5.32E-06	3.34E-08	5.36E-06	1.26E-11	3.8E-11	2.2E-11	0	0	0	0	4.074E-08	3.7373E-07	5.36E-06	1.04476E-11	0	6.41816E-12	0
90	571230.6	4177999	0.55, 41779	0.20367	0.23289	172.67663	91.69738	22.62496	13.85272	4.16407E-08	2.99E-10	4.19E-08	3.53E-05	1.18E-07	3.54E-05	4.63E-06	2.91E-08	4.65E-06	1.29E-11	3.91E-11	2.26E-11	0	0	0	0	4.194E-08	3.5422E-07	4.65E-06	1.0755E-11	0	6.60697E-12	0
91	571270.6	4177999	0.55, 41779	0.21358	0.23476	171.66845	86.35935	21.45856	13.01074	4.36668E-08	3.02E-10	4.4E-08	3.51E-05	1.11E-07	3.52E-05	4.39E-06	2.76E-08	4.41E-06	1.36E-11	4.1E-11	2.37E-11	0	0	0	0	4.397E-08	3.5209E-07	4.41E-06	1.12752E-11	0	6.92653E-12	0
92	571310.6	4177999	0.55, 41779	0.23025	0.24083	171.26207	72.34733	21.40776	11.81711	4.7075E-08	3.09E-10	4.74E-08	3.5E-05	9.29E-08	3.51E-05	4.38E-06	2.75E-08	4.4E-06	1.46E-11	4.41E-11	2.56E-11	0	0	0	0	4.738E-08	3.5108E-07	4.4E-06	1.21512E-11	0	7.46466E-12	0
93	571350.6	4177999	0.55, 41779	0.25373	0.25254	169.27826	60.68614	21.15978	11.13084	5.18755E-08	3.24E-10	5.22E-08	3.46E-05	7.80E-08	3.47E-05	4.33E-06	2.72E-08	4.35E-06	1.61E-11	4.86E-11	2.82E-11	0	0	0	0	5.22E-08	3.4687E-07	4.35E-06	1.33861E-11	0	8.22328E-12	0
94	571390.6	4177999	0.55, 41779	0.27999	0.26698	164.13881	55.69534	20.51735	9.69774	5.72444E-08	3.43E-10	5.76E-08	3.36E-05	7.16E-08	3.36E-05	4.19E-06	2.64E-08	4.22E-06	1.78E-11	5.37E-11	3.11E-11	0	0	0	0	5.759E-08	3.363E-07	4.22E-06	1.47676E-11	0	9.07199E-12	0
95	571430.6	4177999	0.55, 41779	0.30187	0.27888	148.06777	50.74185	18.50847	8.30154	6.17178E-08	3.58E-10	6.21E-08	3.03E-05	6.52E-08	3.03E-05	3.78E-06	2.38E-08	3.81E-06	1.92E-11	5.78E-11	3.35E-11	0	0	0	0	6.208E-08	3.0338E-07	3.81E-06	1.59187E-11	0	9.77911E-12	0
96	571470.6	4177999	0.55, 41779	0.32222	0.29016	133.22849	41.8567	16.65356	8.00082	6.58784E-08	3.73E-10	6.63E-08	2.72E-05	5.38E-08	2.73E-05	3.4E-06	2.14E-08	3.43E-06	2.04E-11	6.17E-11	3.57E-11	0	0	0	0	6.625E-08	2.7293E-07	3.43E-06	1.69893E-11	0	1.04368E-11	0
97	571510.6	4177999	0.55, 41779	0.33311	0.29527	113.25391	33.39085	14.15674	7.16119	6.81049E-08	3.79E-10	6.85E-08	2.32E-05	4.29E-08	2.32E-05	2.89E-06	1.82E-08	2.91E-06	2.11E-11	6.38E-11	3.69E-11	0	0	0	0	6.848E-08	2.3198E-07	2.91E-06	1.7562E-11	0	1.07886E-11	0
98	571550.6	4177999	0.55, 41779	0.33431	0.29408	118.79132	25.19774	14.84891	6.75336	6.83502E-08	3.78E-10	6.87E-08	2.43E-05	3.24E-08	2.43E-05	3.04E-06	1.91E-08	3.05E-06	2.12E-11	6.4E-11	3.71E-11	0	0	0	0	6.873E-08	2.4319E-07	3.05E-06	1.76245E-11	0	1.0827E-11	0
99	571590.6	4177999	0.55, 41779	0.32897	0.28857	117.12124	19.87515	14.64016	6.7762	6.72584E-08	3.71E-10	6.76E-08	2.39E-05	2.55E-08	2.4E-05	2.99E-06	1.88E-08	3.01E-06	2.09E-11	6.3E-11	3.65E-11	0	0	0	0	6.763E-08	2.3971E-07	3.01E-06	1.73427E-11	0	1.06539E-11	0
100	570310.6	4178039	0.55, 41780	0.09395	0.07118	60.38117	27.45867	7.54765	4.57644	1.92082E-08	9.14E-11	1.93E-08	1.23E-05	3.53E-08	1.24E-05	1.54E-06	9.70E-09	1.55E-06	5.96E-12	1.8E-11	1.04E-11	0	0	0	0	1.93E-08	1.238E-07	1.55E-06	4.94918E-12	0	3.04036E-12	0
101	570350.6	4178039	0.55, 41780	0.10181	0.07823	67.40685	28.30867	8.42586	4.71811	2.08152E-08	1.01E-10	2.09E-08	1.38E-05	3.64E-08	1.38E-05	1.72E-06	1.08E-08	1.73E-06	6.45E-12	1.95E-11	1.13E-11	0	0	0	0	2.092E-08	1.3818E-07	1.73E-06	5.36359E-12	0	3.29494E-12	0
102	570390.6	4178039	0.55, 41780	0.11033	0.08626	70.86935	29.39362	8.85867	4.86131	2.25571E-08	1.11E-10	2.27E-08	1.45E-05	3.78E-08	1.45E-05	1.81E-06	1.14E-08	1.82E-06	6.99E-12	2.11E-11	1.22E-11	0	0	0	0	2.267E-08	1.4527E-07	1.82E-06	5.81294E-12	0	3.57098E-12	0
103	570430.6	4178039	0.55, 41780	0.11935	0.09539	72.77771	30.53752	9.09721	4.99157	2.44013E-08	1.23E-10	2.45E-08	1.49E-05	3.92E-08	1.49E-05	1.86E-06	1.17E-08	1.87E-06	7.57E-12	2.28E-11	1.32E-11	0	0	0	0	2.452E-08	1.4919E-07	1.87E-06	6.28886E-12	0	3.86335E-12	0
104	570470.6	4178039	0.55, 41780	0.12876	0.10583	77.88414	31.78332	9.73552	5.12346	2.63252E-08	1.36E-10	2.65E-08	1.59E-05	4.08E-08	1.6E-05	1.99E-06	1.25E-08	2E-06	8.17E-12	2.47E-11	1.43E-11	0	0	0	0	2.646E-08	1.5964E-07	2E-06	6.78566E-12	0	4.16854E-12	0
105	570510.6	4178039	0.55, 41780	0.13797	0.11733	81.61557	33.05226	10.20195	5.27698	2.82082E-08	1.51E-10	2.84E-08	1.67E-05	4.25E-08	1.67E-05	2.09E-06	1.31E-08	2.1E-06	8.75E-12	2.64E-11	1.53E-11	0	0	0	0	2.836E-08	1.6729E-07	2.1E-06	7.27232E-12	0	4.4675E-12	0
106	570550.6	4178039	0.55, 41780	0.14677	0.12979	83.22783	34.40977	10.40348	5.64664	3.00074E-08	1.67E-10	3.02E-08	1.7E-05	4.42E-08	1.71E-05	2.13E-06	1.34E-08	2.14E-06	9.31E-12	2.81E-11	1.63E-11	0	0	0	0	3.017E-08	1.706E-07	2.14E-06	7.7378E-12	0	4.75346E-12	0
107	570590.6	4178039	0.55, 41780	0.15543	0.14397	100.7883	35.81672	12.59854	6.05306	3.17779E-08	1.85E-10	3.2E-08	2.06E-05	4.60E-08	2.07E-05	2.58E-06	1.62E-08	2.59E-06	9.86E-12	2.98E-11	1.72E-11	0	0	0	0	3.196E-08	2.0652E-07	2.59E-06	8.19651E-12	0	5.03525E-12	0
108	570630.6	4178039	0.55, 41780	0.16446	0.15887	114.63184	37.47906	14.32898	6.85921	3.36241E-08	2.04E-10	3.38E-08	2.34E-05	4.82E-08	2.35E-05	2.93E-06	1.84E-08	2.95E-06	1.04E-11	3.15E-11	1.82E-11	0	0	0	0	3.383E-08	2.3485E-07	2.95E-06	8.67485E-12	0	5.3291E-12	0
109	570670.6	4178039	0.55, 41780	0.17604	0.17458	120.19022	39.09251	15.02378	7.81169	3.59917E-08	2.24E-10	3.62E-08	2.46E-05	5.02E-08	2.46E-05	3.07E-06	1.93E-08	3.09E-06	1.12E-11	3.37E-11	1.95E-11	0	0	0	0	3.622E-08	2.4623E-07	3.09E-06	9.28716E-12	0	5.70525E-12	0
110	570710.6	4178039	0.55, 41780	0.19156	0.191	122.05191	40.81454	15.86896	8.63568	3.91648E-08	2.45E-10	3.94E-08	2.5E-05	5.24E-08	2.5E-05	3.24E-06	2.04E-08	3.26E-06	1.22E-11	3.67E-11	2.13E-11	0	0	0	0	3.941E-08	2.5006E-07	3.26E-06	1.01063E-11	0	6.20845E-12	0
111	570750.6	4178039	0.55, 41780	0.2105	0.20761	132.53323	47.68084	16.56665	9.43658	4.30371E-08	2.67E-10	4.33E-08	2.71E-05	6.13E-08	2.72E-05	3.39E-06	2.13E-08	3.41E-06	1.34E-11	4.03E-11	2.34E-11	0	0	0	0	4.33E-08	2.7158E-07	3.41E-06	1.11048E-11	0	6.82183E-12	0
112	570790.6	4178039	0.55, 41780	0.23169	0.22417	139.552	52.7884	17.444	10.33029	4.73694E-08	2.88E-10	4.77E-08	2.85E-05	6.78E-08	2.86E-05	3.57E-06	2.24E-08	3.59E-06	1.47E-11	4.44E-11	2.57E-11	0	0	0	0	4.766E-08	2.8599E-07	3.59E-06	1.22212E-11	0	7.50767E-12	0
113	570830.6	4178039	0.55, 41780	0.25382	0.24067	145.24751	55.81087	18.15594	11.28689	5.18939E-08	3.09E-10	5.22E-08	2.97E-05	7.17E-08	2.98E-05	3.71E-06	2.33E-08	3.74E-06	1.61E-11	4.86E-11	2.82E-11	0	0	0	0	5.22E-08	2.9768E-07	3.74E-06	1.33869E-11	0	8.22378E-12	0
114	570870.6	4178039	0.55, 41780	0.27385	0.25672	159.27674	59.06353	19.90959	12.04587	5.59891E-08	3.30E-10	5.63E-08	3.26E-05	7.59E-08	3.26E-05	4.07E-06	2.56E-08	4.1E-06	1.74E-11	5.25E-11	3.04E-11	0	0	0	0	5.632E-08	3.264E-07	4.1E-06	1.44423E-11	0	8.87216E-12	0
115	570910.6	4178039	0.55, 41780	0.28498	0.272	154.31681	63.03506	19.2896	11.80173	5.82646E-08	3.49E-10	5.86E-08	3.16E-05	8.10E-08	3.16E-05	3.94E-06	2.48E-08	3.97E-06	1.81E-11	5.46E-11	3.16E-11	0	0	0	0	5.861E-08	3.1631E-07	3.97E-06	1.50309E-11	0	9.23372E-12	0
116	570950.6	4178039	0.55, 41780	0.28313	0.28254	178.15221	69.82475	22.26903	10.41815	5.78864E-08	3.63E-10	5.82E-08	3.64E-05	8.97E-08	3.65E-05	4.55E-06	2.86E-08	4.58E-06	1.8E-11	5.43E-11	3.14E-11	0	0	0	0	5.825E-08	3.6513E-07	4.58E-06	1.49374E-11	0	9.17627E-12	0
117	570990.6	4178039	0.55, 41780	0.27042	0.28832	188.87787	74.10995	29.14051	12.35166	5.52878E-08	3.70E-10	5.57E-08	3.86E-05	9.52E-08	3.87E-05	5.96E-06	3.74E-08	6E-06	1.72E-11	5.19E-11	3E-11	0	0	0	0	5.566E-08	3.8712E-07	6E-06	1.42729E-11	0	8.76808E-12	0
118	571030.6	4178039	0.55, 41780	0.25749	0.29249	188.96643	83.29257	26.99523	13.88209	5.26442E-08	3.76E-10	5.3E-08	3.86E-05	1.07E-07	3.87E-05	5.52E-06	3.47E-08	5.55E-06	1.64E-11	4.94E-11	2.86E-11	0	0	0	0	5.302E-08	3.8742E-07	5.55E-06	1.35964E-11	0	8.35247E-12	0
119	571070.6	4178039	0.55, 41780	0.25163	0.29646	192.59035	92.57991	26.01862	14.40126	5.14462E-08	3.81E-10	5.18E-08	3.94E-05	1.19E-07	3.95E-05	5.32E-06	3.34E-08	5.35E-06	1.6E-11	4.83E-11	2.8E-11	0	0	0	0	5.183E-08	3.9494E-07	5.35E-06	1.32904E-11	0	8.16453E-12	0
120	571110.6	4178039	0.55, 41780	0.23996	0.28057	179.79911	89.13384	29.33997	15.522	4.90602E-08	3.60E-10	4.94E-08	3.68E-05	1.15E-07	3.69E-05	6E-06	3.77E-08	6.04E-06	1.53E-11	4.6E-11	2.67E-11	0	0	0	0	4.942E-08	3.6875E-07	6.04E-06	1.26734E-11	0	7.78545E-12	0
121	571150.6	4178039	0.55, 41780	0.25767	0.30302	202.30498	100.11261	28.90071	16.95197	5.2681E-08	3.89E-10	5.31E-08	4.14E-05	1.29E-07	4.15E-05	5.91E-06	3.71E-08	5.95E-06	1.64E-11	4.94E-11	2.86E-11	0	0	0	0	5.307E-08	4.149E-07	5.95E-06	1.36093E-11	0	8.3604E-12	0
122	571190.6	4178039	0.55, 41780	0.27122	0.30641	194.68377	101.89225	27.81197	16.7188	5.54514E-08	3.94E-10	5.58E-08	3.98E-05	1.31E-07	3.99E-05	5.69E-06	3.57E-08	5.72E-06	1.72E-11	5.2E-11	3.01E-11	0	0	0	0	5.585E-08	3.9934E-07	5.72E-06	1.43208E-11	0	8.79751E-12	0
123	571230.6	4178039	0.55, 41780	0.28804	0.31092	196.84209	99.06119	24.60526	16.26482	5.88902E-08	3.99E-10	5.93E-08	4.02E-05	1.27E-07	4.04E-05	5.03E-06	3.16E-08	5.06E-06	1.83E-11	5.52E-11	3.2E-11	0	0	0	0	5.929E-08	4.0372E-07	5.06E-06	1.52042E-11	0	9.34016E-12	0
124	571270.6	4178039	0.55, 41780	0.31661	0.32283	191.8709	85.51951	23.98386	14.63938	6.47314E-08	4.15E-10	6.51E-08	3.92E-05	1.10E-07	3.93E-05	4.9E-06	3.08E-08	4.93E-06	2.01E-11	6.07E-11	3.51E-11	0	0	0	0	6.515E-08	3.9338E-07	4.93E-06	1.6706E-11	0	1.02628E-11	0
125	571310.6	4178039	0.55, 41780	0.35598	0.34149	189.38373	68.10225	23.67297	13.72977	7.27807E-08	4.39E-10	7.32E-08	3.87E-05	8.75E-08	3.88E-05	4.84E-06	3.04E-08	4.87E-06	2.26E-11	6.82E-11	3.95E-11	0	0	0	0	7.322E-08	3.8807E-07	4.87E-06	1.87763E-11	0	1.15346E-11	0
126	571350.6	4178039	0.55, 41780	0.39399	0.35989	182.95784	62.01914	22.86973	11.81322	8.05519E-08	4.62E-10	8.1E-08	3.74E-05	7.97E-08	3.75E-05	4.68E-06	2.94E-08	4.71E-06	2.5E-11	7.55E-11	4.37E-11	0	0	0	0	8.101E-08	3.7486E-07	4.71E-06	2.07752E-11	0	1.27625E-11	0
127	571390.6	4178039	0.55, 41780	0.4222	0.3733	164.47464	56.17724	20.55933	10.13431	8.63195E-08	4.80E-10	8.68E-08	3.36E-05	7.22E-08	3.37E-05	4.2E-06	2.64E-08	4.23E-06	2.68E-11	8.09E-11	4.68E-11	0	0	0	0	8.68E-08	3.3699E-07	4.23E-06	2.22586E-11	0	1.36738E-11	0
128	571430.6	4178039	0.55, 41780	0.44026	0.38105	146.31006	45.8458	18.28876	9.60517	9.00119E-08	4.90E-10	9.05E-08	2.99E-05	5.89E-08	3E-05	3.74E-06	2.35E-08	3.76E-06	2.79E-11	8.43E-11	4.88E-11	0	0	0	0	9.05E-08	2.9972E-07	3.76E-06	2.3208E-11	0	1.42571E-11	0
129	571470.6	4178039	0.55, 41780	0.44344	0.3799	134.05635	35.96521	16.75704	8.42199	9.0662E-08	4.88E-10	9.12E-08	2.74E-05	4.62E-08	2.75E-05	3.43E-06	2.15E-08	3.45E-06	2.81E-11	8.49E-11	4.92E-11	0	0	0	0	9.115E-08	2.7454E-07	3.45E-06	2.33744E-11	0	1.43593E-11	0
130	571510.6	4178039	0.55, 41780	0.43369	0.37075	135.2804	26.4112	16.91005	8.14543	8.86686E-08	4.76E-10	8.91E-08	2.77E-05	3.39E-08	2.77E-05	3.46E-06	2.17E-08	3.48E-06	2.75E-11	8.31E-11	4.81E-11	0	0	0	0	8.914E-08	2.7692E-07	3.48E-06	2.28602E-11	0	1.40434E-11	0
131	571550.6	4178039	0.55, 41780	0.4157	0.35641	128.00174	25.24959	16.00022	7.84928	8.49905E-08	4.58E-10	8.54E-08	2.62E-05	3.24E-08	2.62E-05	3.27E-06	2.06E-08	3.29E-06	2.64E-11	7.96E-11	4.61E-11	0	0	0	0	8.545E-08	2.6203E-07	3.29E-06	2.19123E-11	0	1.34611E-11	0
132	571590.6	4178039	0.55, 41780	0.38889	0.33646	114.21376	28.264	14.27672	7.21894	7.95092E-08	4.32E-10	7.99E-08	2.34E-05	3.63E-08	2.34E-05	2.92E-06	1.83E-08	2.94E-06	2.47E-11	7.45E-11	4.31E-11	0	0	0	0	7.994E-08	2.3388E-07	2.94E-06	2.05001E-11	0	1.25935E-11	0
133	570310.6	4178079	0.55, 41780	0.09792	0.07296	71.40728	28.01469	8.92591	4.66912	2.00199E-08	9.37E-11	2.01E-08	1.46E-05	3.60E-08	1.46E-05	1.82E-06	1.15E-08	1.84E-06	6.21E-12	1.87E-11	1.08E-11	0	0	0	0	2.011E-08	1.4635E-07	1.84E-06	5.15791E-12	0	3.16859E-12	0
134	570350.6	4178079	0.55, 41780	0.1067	0.08065	70.03301	29.10671	8.75413	4.85112	2.1815E-08	1.04E-10	2.19E-08	1.43E-05	3.74E-08	1.44E-05	1.79E-06	1.12E-08	1.8E-06	6.76E-12	2.04E-11	1.18E-11	0	0	0	0	2.192E-08	1.4356E-07	1.8E-06	5.62077E-12	0	3.45293E-12	0
135	570390.6	4178079	0.55, 41780	0.11641	0.08948	73.93226	30.15719	9.24153	5.0262	2.38002E-08	1.15E-10	2.39E-08	1.51E-05	3.87E-08	1.52E-05	1.89E-06	1.19E-08	1.9E-06	7.38E-12	2.23E-11	1.29E-11	0	0	0	0	2.392E-08	1.5154E-07	1.9E-06	6.13277E-12	0	3.76746E-12	0
136	570430.6	4178079	0.55, 41780	0.12715	0.09969	79.99098	31.34254	9.99887	5.20891	2.5996E-08	1.28E-10	2.61E-08	1.64E-05	4.03E-08	1.64E-05	2.04E-06	1.28E-08	2.06E-06	8.06E-12	2.43E-11	1.41E-11	0	0	0	0	2.612E-08	1.6395E-07	2.06E-06	6.69922E-12	0	4.11544E-12	0
137	570470.6	4178079	0.55, 41780	0.13857	0.11144	81.53824	32.65768	10.19228	5.39019	2.83309E-08	1.43E-10	2.85E-08	1.67E-05	4.20E-08	1.67E-05	2.08E-06	1.31E-08	2.1E-06	8.79E-12	2.65E-11	1.54E-11	0	0	0	0	2.847E-08	1.6713E-07	2.1E-06	7.30183E-12	0	4.48564E-12	0
138	570510.6	4178079	0.55, 41780	0.15049	0.12507	87.75299	34.11951	10.96912	5.60116	3.07679E-08	1.61E-10	3.09E-08	1.79E-05	4.38E-08	1.8E-05	2.24E-06	1.41E-08	2.26E-06	9.54E-12	2.88E-11	1.67E-11	0	0	0	0	3.093E-08	1.7985E-07	2.26E-06	7.93128E-12	0	4.87232E-12	0
139	570550.6	4178079	0.55, 41780	0.16198	0.14034	91.64015	35.64897	11.45502	5.99366	3.31171E-08	1.80E-10	3.33E-08	1.87E-05	4.58E-08	1.88E-05	2.34E-06	1.47E-08	2.36E-06	1.03E-11	3.1E-11	1.8E-11	0	0	0	0	3.33E-08	1.8782E-07	2.36E-06	8.53872E-12	0	5.24548E-12	0
140	570590.6	4178079	0.55, 41780	0.17272	0.15744	88.35639	37.38874	11.57204	6.46071	3.53129E-08	2.02E-10	3.55E-08	1.81E-05	4.80E-08	1.81E-05	2.37E-06	1.49E-08	2.38E-06	1.1E-11	3.31E-11	1.92E-11	0	0	0	0	3.552E-08	1.8113E-07	2.38E-06	9.10745E-12	0	5.59485E-12	0
141	570630.6	4178079	0.55, 41780	0.1831	0.1763	101.08083	39.23196	12.6351	7.02353	3.74351E-08	2.27E-10	3.77E-08	2.07E-05	5.04E-08	2.07E-05	2.58E-06	1.62E-08	2.6E-06	1.16E-11	3.51E-11	2.03E-11	0	0	0	0	3.766E-08	2.0717E-07	2.6E-06	9.65788E-12	0	5.93299E-12	0
142	570670.6	4178079	0.55, 41780	0.19537	0.19687	125.63761	41.20021	15.7047	8.22231	3.99437E-08	2.53E-10	4.02E-08	2.57E-05	5.29E-08	2.57E-05	3.21E-06	2.02E-08	3.23E-06	1.24E-11	3.75E-11	2.17E-11	0	0	0	0	4.02E-08	2.574E-07	3.23E-06	1.0308E-11	0	6.33235E-12	0
143	570710.6	4178079	0.55, 41780	0.21241	0.21933	144.38379	43.29239	18.04797	9.29195	4.34276E-08	2.82E-10	4.37E-08	2.95E-05	5.56E-08	2.96E-05	3.69E-06	2.32E-08	3.71E-06	1.35E-11	4.07E-11	2.36E-11	0	0	0	0	4.371E-08	2.9575E-07	3.71E-06	1.12088E-11	0	6.88572E-12	0
144	570750.6	4178079	0.55, 41780	0.23537	0.24332	149.96792	48.92505	18.74599	10.23	4.81218E-08	3.13E-10	4.84E-08	3.07E-05	6.29E-08	3.07E-05	3.83E-06	2.41E-08	3.86E-06	1.49E-11	4.51E-11	2.61E-11	0	0	0	0	4.843E-08	3.0724E-07	3.86E-06	1.24204E-11	0	7.63007E-12	0
145	570790.6	4178079	0.55, 41780	0.26445	0.26867	159.48841	56.15329	19.93605	11.24377	5.40672E-08	3.45E-10	5.44E-08	3.26E-05	7.21E-08	3.27E-05	4.08E-06	2.56E-08	4.1E-06	1.68E-11	5.07E-11	2.93E-11	0	0	0	0	5.441E-08	3.268E-07	4.1E-06	1.39534E-11	0	8.57182E-12	0
146	570830.6	4178079	0.55, 41780	0.30001	0.29551	164.85959	59.75168	20.60745	12.43332	6.13375E-08	3.80E-10	6.17E-08	3.37E-05	7.68E-08	3.38E-05	4.21E-06	2.65E-08	4.24E-06	1.9E-11	5.75E-11	3.33E-11	0	0	0	0	6.172E-08	3.3783E-07	4.24E-06	1.58267E-11	0	9.72257E-12	0
147	570870.6	4178079	0.55, 41780	0.34051	0.32416	178.96906	63.85658	22.37113	13.91568	6.96178E-08	4.16E-10	7E-08	3.66E-05	8.20E-08	3.67E-05	4.57E-06	2.87E-08	4.6E-06	2.16E-11	6.53E-11	3.78E-11	0	0	0	0	7.003E-08	3.6673E-07	4.6E-06	1.79595E-11	0	1.10328E-11	0
148	570910.6	4178079	0.55, 41780	0.37529	0.35313	192.82824	68.49057	24.10353	15.26079	7.67286E-08	4.54E-10	7.72E-08	3.94E-05	8.80E-08	3.95E-05	4.93E-06	3.10E-08	4.96E-06	2.38E-11	7.19E-11	4.16E-11	0	0	0	0	7.718E-08	3.9512E-07	4.96E-06	1.97925E-11	0	1.21589E-11	0
149	570950.6	4178079	0.55, 41780	0.39192	0.37725	199.56835	75.56845	26.9715	14.65967	8.01287E-08	4.85E-10	8.06E-08	4.08E-05	9.71E-08	4.09E-05	5.51E-06	3.47E-08	5.55E-06	2.49E-11	7.51E-11	4.35E-11	0	0	0	0	8.061E-08	4.0899E-07	5.55E-06	2.06724E-11	0	1.26994E-11	0
150	570990.6	4178079	0.55, 41780	0.38624	0.39167	209.52387	83.72546	31.32288	13.79848	7.89674E-08	5.03E-10	7.95E-08	4.28E-05	1.08E-07	4.29E-05	6.4E-06	4.02E-08	6.44E-06	2.45E-11	7.4E-11	4.29E-11	0	0	0	0	7.947E-08	4.2945E-07	6.44E-06	2.03793E-11	0	1.25193E-11	0
151	571030.6	4178079	0.55, 41780	0.36706	0.40059	238.62537	94.19927	34.73297	15.69988	7.5046E-08	5.15E-10	7.56E-08	4.88E-05	1.21E-07	4.89E-05	7.1E-06	4.46E-08	7.15E-06	2.33E-11	7.04E-11	4.08E-11	0	0	0	0	7.556E-08	4.8908E-07	7.15E-06	1.93767E-11	0	1.19034E-11	0
152	571070.6	4178079	0.55, 41780	0.35702	0.41066	228.92087	105.90077	31.45005	16.61116	7.29933E-08	5.28E-10	7.35E-08	4.68E-05	1.36E-07	4.69E-05	6.43E-06	4.04E-08	6.47E-06	2.27E-11	6.85E-11	3.97E-11	0	0	0	0	7.352E-08	4.6939E-07	6.47E-06	1.88536E-11	0	1.15821E-11	0
153	571110.6	4178079	0.55, 41780	0.35812	0.41418	212.64364	104.08221	34.6648	20.98986	7.32182E-08	5.32E-10	7.38E-08	4.35E-05	1.34E-07	4.36E-05	7.09E-06	4.45E-08	7.13E-06	2.28E-11	6.87E-11	3.98E-11	0	0	0	0	7.375E-08	4.3609E-07	7.13E-06	1.89124E-11	0	1.16182E-11	0
154	571150.6	4178079	0.55, 41780	0.37758	0.42317	239.48451	117.47672	34.21207	20.38272	7.71968E-08	5.44E-10	7.77E-08	4.9E-05	1.51E-07	4.91E-05	6.99E-06	4.40E-08	7.04E-06	2.4E-11	7.24E-11	4.19E-11	0	0	0	0	7.774E-08	4.9114E-07	7.04E-06	1.99356E-11	0	1.22468E-11	0
155	571190.6	4178079	0.55, 41780	0.41277	0.43447	228.77572	115.09155	28.66724	20.67403	8.43915E-08	5.58E-10	8.49E-08	4.68E-05	1.48E-07	4.69E-05	5.86E-06	3.68E-08	5.9E-06	2.62E-11	7.91E-11	4.58E-11	0	0	0	0	8.495E-08	4.6921E-07	5.9E-06	2.17844E-11	0	1.33825E-11	0
156	571230.6	4178079	0.55, 41780	0.46673	0.45732	219.54291	100.98995	27.44286	18.56894	9.54237E-08	5.88E-10	9.6E-08	4.49E-05	1.30E-07	4.5E-05	5.61E-06	3.53E-08	5.65E-06	2.96E-11	8.95E-11	5.18E-11	0	0	0	0	9.601E-08	4.5016E-07	5.65E-06	2.4621E-11	0	1.51251E-11	0
157	571270.6	4178079	0.55, 41780	0.53318	0.48578	215.1929	81.06645	26.89911	17.27973	1.0901E-07	6.24E-10	1.1E-07	4.4E-05	1.04E-07	4.41E-05	5.5E-06	3.46E-08	5.53E-06	3.38E-11	1.02E-10	5.91E-11	0	0	0	0	1.096E-07	4.4101E-07	5.53E-06	2.81143E-11	0	1.72711E-11	0
158	571310.6	4178079	0.55, 41780	0.58671	0.50689	205.97464	69.75551	25.74683	14.70822	1.19954E-07	6.51E-10	1.21E-07	4.21E-05	8.96E-08	4.22E-05	5.26E-06	3.31E-08	5.3E-06	3.72E-11	1.12E-10	6.51E-11	0	0	0	0	1.206E-07	4.2201E-07	5.3E-06	3.09278E-11	0	1.89994E-11	0
159	571350.6	4178079	0.55, 41780	0.61439	0.51569	184.46358	62.8789	23.05795	12.5762	1.25613E-07	6.63E-10	1.26E-07	3.77E-05	8.08E-08	3.78E-05	4.71E-06	2.96E-08	4.74E-06	3.9E-11	1.18E-10	6.81E-11	0	0	0	0	1.263E-07	3.7795E-07	4.74E-06	3.23819E-11	0	1.98927E-11	0
160	571390.6	4178079	0.55, 41780	0.61879	0.51229	162.6235	50.78632	20.32794	11.67282	1.26513E-07	6.58E-10	1.27E-07	3.32E-05	6.52E-08	3.33E-05	4.16E-06	2.61E-08	4.18E-06	3.92E-11	1.18E-10	6.86E-11	0	0	0	0	1.272E-07	3.3314E-07	4.18E-06	3.26115E-11	0	2.00338E-11	0
161	571430.6	4178079	0.55, 41780	0.60477	0.49855	157.24404	39.05995	19.65551	9.99401	1.23646E-07	6.41E-10	1.24E-07	3.21E-05	5.02E-08	3.22E-05	4.02E-06	2.53E-08	4.04E-06	3.84E-11	1.16E-10	6.7E-11	0	0	0	0	1.243E-07	3.2199E-07	4.04E-06	3.18719E-11	0	1.95794E-11	0
162	571470.6	4178079	0.55, 41780	0.57311	0.47467	152.07991	30.59352	19.00999	9.68796	1.17173E-07	6.10E-10	1.18E-07	3.11E-05	3.93E-08	3.11E-05	3.89E-06	2.44E-08	3.91E-06	3.63E-11	1.1E-10	6.35E-11	0	0	0	0	1.178E-07	3.1132E-07	3.91E-06	3.02041E-11	0	1.85549E-11	0
163	571510.6	4178079	0.55, 41780	0.53465	0.44658	137.55383	33.88214	17.19423	8.95455	1.0931E-07	5.74E-10	1.1E-07	2.81E-05	4.35E-08	2.82E-05	3.52E-06	2.21E-08	3.54E-06	3.39E-11	1.02E-10	5.93E-11	0	0	0	0	1.099E-07	2.8167E-07	3.54E-06	2.81784E-11	0	1.73105E-11	0
164	571550.6	4178079	0.55, 41780	0.48548	0.41212	120.13532	36.07438	15.01691	7.90342	9.92572E-08	5.29E-10	9.98E-08	2.46E-05	4.63E-08	2.46E-05	3.07E-06	1.93E-08	3.09E-06	3.08E-11	9.3E-11	5.38E-11	0	0	0	0	9.979E-08	2.4608E-07	3.09E-06	2.55891E-11	0	1.57198E-11	0
165	571590.6	4178079	0.55, 41780	0.43445	0.37558	108.95419	37.19094	13.61927	6.74143	8.8824E-08	4.83E-10	8.93E-08	2.23E-05	4.78E-08	2.23E-05	2.78E-06	1.75E-08	2.8E-06	2.76E-11	8.32E-11	4.82E-11	0	0	0	0	8.931E-08	2.2324E-07	2.8E-06	2.29016E-11	0	1.40688E-11	0
166	570310.6	4178119	0.55, 41781	0.10149	0.07442	69.0748	28.05035	8.63435	4.67506	2.07498E-08	9.56E-11	2.08E-08	1.41E-05	3.60E-08	1.42E-05	1.77E-06	1.11E-08	1.78E-06	6.43E-12	1.94E-11	1.12E-11	0	0	0	0	2.085E-08	1.4158E-07	1.78E-06	5.34556E-12	0	3.28387E-12	0
167	570350.6	4178119	0.55, 41781	0.11138	0.08273	79.07973	29.62524	9.88497	4.93754	2.27718E-08	1.06E-10	2.29E-08	1.62E-05	3.81E-08	1.62E-05	2.02E-06	1.27E-08	2.03E-06	7.06E-12	2.13E-11	1.23E-11	0	0	0	0	2.288E-08	1.6206E-07	2.03E-06	5.86682E-12	0	3.60409E-12	0
168	570390.6	4178119	0.55, 41781	0.12249	0.09237	81.81771	30.97041	10.22721	5.16174	2.50433E-08	1.19E-10	2.52E-08	1.67E-05	3.98E-08	1.68E-05	2.09E-06	1.31E-08	2.1E-06	7.76E-12	2.34E-11	1.36E-11	0	0	0	0	2.516E-08	1.6768E-07	2.1E-06	6.45249E-12	0	3.96387E-12	0
169	570430.6	4178119	0.55, 41781	0.13492	0.10362	81.48606	32.23138	10.18576	5.3719	2.75846E-08	1.33E-10	2.77E-08	1.67E-05	4.14E-08	1.67E-05	2.08E-06	1.31E-08	2.1E-06	8.55E-12	2.58E-11	1.5E-11	0	0	0	0	2.772E-08	1.6701E-07	2.1E-06	7.10789E-12	0	4.36649E-12	0
170	570470.6	4178119	0.55, 41781	0.14882	0.11683	90.82614	33.6686	11.35327	5.5932	3.04265E-08	1.50E-10	3.06E-08	1.86E-05	4.33E-08	1.86E-05	2.32E-06	1.46E-08	2.34E-06	9.44E-12	2.85E-11	1.65E-11	0	0	0	0	3.058E-08	1.8613E-07	2.34E-06	7.84101E-12	0	4.81686E-12	0
171	570510.6	4178119	0.55, 41781	0.16361	0.13228	92.34034	35.20886	11.54254	5.82093	3.34503E-08	1.70E-10	3.36E-08	1.89E-05	4.52E-08	1.89E-05	2.36E-06	1.48E-08	2.37E-06	1.04E-11	3.13E-11	1.81E-11	0	0	0	0	3.362E-08	1.8924E-07	2.37E-06	8.62153E-12	0	5.29635E-12	0
172	570550.6	4178119	0.55, 41781	0.17911	0.1505	100.11195	36.92243	12.51399	6.33987	3.66193E-08	1.93E-10	3.68E-08	2.05E-05	4.74E-08	2.05E-05	2.56E-06	1.61E-08	2.57E-06	1.14E-11	3.43E-11	1.99E-11	0	0	0	0	3.681E-08	2.0515E-07	2.57E-06	9.44018E-12	0	5.79926E-12	0
173	570590.6	4178119	0.55, 41781	0.19374	0.17125	103.74737	38.76233	12.96842	6.89651	3.96105E-08	2.20E-10	3.98E-08	2.12E-05	4.98E-08	2.13E-05	2.65E-06	1.67E-08	2.67E-06	1.23E-11	3.71E-11	2.15E-11	0	0	0	0	3.983E-08	2.1261E-07	2.67E-06	1.02141E-11	0	6.27466E-12	0
174	570630.6	4178119	0.55, 41781	0.2069	0.19483	104.63966	41.01094	13.84797	7.49161	4.2301E-08	2.50E-10	4.26E-08	2.14E-05	5.27E-08	2.14E-05	2.83E-06	1.78E-08	2.85E-06	1.31E-11	3.96E-11	2.3E-11	0	0	0	0	4.255E-08	2.1446E-07	2.85E-06	1.09118E-11	0	6.70329E-12	0
175	570670.6	4178119	0.55, 41781	0.21998	0.22122	115.58367	43.51142	15.0671	8.60459	4.49753E-08	2.84E-10	4.53E-08	2.36E-05	5.59E-08	2.37E-05	3.08E-06	1.94E-08	3.1E-06	1.4E-11	4.22E-11	2.44E-11	0	0	0	0	4.526E-08	2.3687E-07	3.1E-06	1.16063E-11	0	7.12992E-12	0
176	570710.6	4178119	0.55, 41781	0.23703	0.25104	127.12041	45.98226	16.41254	9.96819	4.84612E-08	3.23E-10	4.88E-08	2.6E-05	5.91E-08	2.6E-05	3.36E-06	2.11E-08	3.38E-06	1.51E-11	4.55E-11	2.63E-11	0	0	0	0	4.878E-08	2.6049E-07	3.38E-06	1.251E-11	0	7.6851E-12	0
177	570750.6	4178119	0.55, 41781	0.26187	0.28441	163.41699	49.64069	20.42712	11.18287	5.35397E-08	3.65E-10	5.39E-08	3.34E-05	6.38E-08	3.35E-05	4.18E-06	2.62E-08	4.2E-06	1.66E-11	5.02E-11	2.91E-11	0	0	0	0	5.391E-08	3.3475E-07	4.2E-06	1.38233E-11	0	8.49191E-12	0
178	570790.6	4178119	0.55, 41781	0.29707	0.32177	189.30326	59.79186	23.66291	12.3939	6.07364E-08	4.13E-10	6.11E-08	3.87E-05	7.68E-08	3.88E-05	4.84E-06	3.04E-08	4.87E-06	1.89E-11	5.7E-11	3.3E-11	0	0	0	0	6.115E-08	3.878E-07	4.87E-06	1.56812E-11	0	9.63319E-12	0
179	570830.6	4178119	0.55, 41781	0.34574	0.3643	193.11502	64.55328	24.13938	13.76558	7.06871E-08	4.68E-10	7.12E-08	3.95E-05	8.29E-08	3.96E-05	4.94E-06	3.10E-08	4.97E-06	2.2E-11	6.63E-11	3.84E-11	0	0	0	0	7.116E-08	3.9566E-07	4.97E-06	1.82469E-11	0	1.12094E-11	0
180	570870.6	4178119	0.55, 41781	0.41228	0.41342	202.8381	69.60981	25.35476	15.49628	8.42913E-08	5.31E-10	8.48E-08	4.15E-05	8.94E-08	4.16E-05	5.18E-06	3.26E-08	5.22E-06	2.62E-11	7.9E-11	4.58E-11	0	0	0	0	8.482E-08	4.156E-07	5.22E-06	2.17517E-11	0	1.33624E-11	0
181	570910.6	4178119	0.55, 41781	0.49003	0.46844	224.50761	75.3478	28.06345	17.99511	1.00187E-07	6.02E-10	1.01E-07	4.59E-05	9.68E-08	4.6E-05	5.74E-06	3.61E-08	5.77E-06	3.11E-11	9.39E-11	5.44E-11	0	0	0	0	1.008E-07	4.5998E-07	5.77E-06	2.58462E-11	0	1.58778E-11	0
182	570950.6	4178119	0.55, 41781	0.55455	0.52056	237.44511	82.6149	31.19836	20.61697	1.13379E-07	6.69E-10	1.14E-07	4.85E-05	1.06E-07	4.87E-05	6.38E-06	4.01E-08	6.42E-06	3.52E-11	1.06E-10	6.15E-11	0	0	0	0	1.14E-07	4.8652E-07	6.42E-06	2.92461E-11	0	1.79664E-11	0
183	570990.6	4178119	0.55, 41781	0.59019	0.56679	260.70129	98.30209	39.14578	18.7176	1.20665E-07	7.28E-10	1.21E-07	5.33E-05	1.26E-07	5.34E-05	8E-06	5.03E-08	8.05E-06	3.75E-11	1.13E-10	6.55E-11	0	0	0	0	1.214E-07	5.3427E-07	8.05E-06	3.11299E-11	0	1.91236E-11	0
184	571030.6	4178119	0.55, 41781	0.58003	0.59593	288.08817	110.38847	43.41155	19.84321	1.18588E-07	7.66E-10	1.19E-07	5.89E-05	1.42E-07	5.9E-05	8.88E-06	5.58E-08	8.93E-06	3.68E-11	1.11E-10	6.44E-11	0	0	0	0	1.194E-07	5.9042E-07	8.93E-06	3.06069E-11	0	1.88023E-11	0
185	571070.6	4178119	0.55, 41781	0.56003	0.61401	281.59163	124.26135	39.26934	23.95732	1.14499E-07	7.89E-10	1.15E-07	5.76E-05	1.60E-07	5.77E-05	8.03E-06	5.05E-08	8.08E-06	3.56E-11	1.07E-10	6.22E-11	0	0	0	0	1.153E-07	5.7732E-07	8.08E-06	2.95642E-11	0	1.81618E-11	0
186	571110.6	4178119	0.55, 41781	0.57497	0.62965	279.23237	138.16088	41.39356	27.39628	1.17554E-07	8.09E-10	1.18E-07	5.71E-05	1.78E-07	5.73E-05	8.46E-06	5.32E-08	8.52E-06	3.65E-11	1.1E-10	6.38E-11	0	0	0	0	1.184E-07	5.7267E-07	8.52E-06	3.03527E-11	0	1.86461E-11	0
187	571150.6	4178119	0.55, 41781	0.64473	0.65929	273.06399	137.55558	37.77228	27.34359	1.31816E-07	8.47E-10	1.33E-07	5.58E-05	1.77E-07	5.6E-05	7.72E-06	4.85E-08	7.77E-06	4.09E-11	1.24E-10	7.16E-11	0	0	0	0	1.327E-07	5.6005E-07	7.77E-06	3.40199E-11	0	2.0899E-11	0
188	571190.6	4178119	0.55, 41781	0.76806	0.70549	260.36357	120.74038	32.90288	24.49294	1.57031E-07	9.06E-10	1.58E-07	5.32E-05	1.55E-07	5.34E-05	6.73E-06	4.23E-08	6.77E-06	4.87E-11	1.47E-10	8.52E-11	0	0	0	0	1.579E-07	5.3387E-07	6.77E-06	4.05012E-11	0	2.48806E-11	0
189	571230.6	4178119	0.55, 41781	0.88147	0.74364	250.38438	100.21062	31.29805	22.32262	1.80218E-07	9.55E-10	1.81E-07	5.12E-05	1.29E-07	5.13E-05	6.4E-06	4.02E-08	6.44E-06	5.59E-11	1.69E-10	9.77E-11	0	0	0	0	1.812E-07	5.132E-07	6.44E-06	4.64598E-11	0	2.8541E-11	0
190	571270.6	4178119	0.55, 41781	0.94057	0.75526	235.31349	80.57107	29.41419	18.81416	1.92301E-07	9.70E-10	1.93E-07	4.81E-05	1.04E-07	4.82E-05	6.01E-06	3.78E-08	6.05E-06	5.96E-11	1.8E-10	1.04E-10	0	0	0	0	1.933E-07	4.8214E-07	6.05E-06	4.95622E-11	0	3.04469E-11	0
191	571310.6	4178119	0.55, 41781	0.94266	0.74202	211.76846	71.48368	26.47106	15.9259	1.92728E-07	9.53E-10	1.94E-07	4.33E-05	9.18E-08	4.34E-05	5.41E-06	3.40E-08	5.45E-06	5.98E-11	1.8E-10	1.04E-10	0	0	0	0	1.937E-07	4.3388E-07	5.45E-06	4.96674E-11	0	3.05115E-11	0
192	571350.6	4178119	0.55, 41781	0.90909	0.71255	184.59351	57.17412	23.07419	14.42847	1.85865E-07	9.15E-10	1.87E-07	3.77E-05	7.35E-08	3.78E-05	4.72E-06	2.96E-08	4.75E-06	5.76E-11	1.74E-10	1.01E-10	0	0	0	0	1.868E-07	3.7814E-07	4.75E-06	4.78977E-11	0	2.94243E-11	0
193	571390.6	4178119	0.55, 41781	0.85308	0.67145	182.88204	42.90716	22.86025	12.27464	1.74414E-07	8.63E-10	1.75E-07	3.74E-05	5.51E-08	3.74E-05	4.67E-06	2.94E-08	4.7E-06	5.41E-11	1.63E-10	9.45E-11	0	0	0	0	1.753E-07	3.7446E-07	4.7E-06	4.49476E-11	0	2.7612E-11	0
194	571430.6	4178119	0.55, 41781	0.78	0.62166	169.0522	41.64549	21.13153	11.39175	1.59472E-07	7.99E-10	1.6E-07	3.46E-05	5.35E-08	3.46E-05	4.32E-06	2.71E-08	4.35E-06	4.95E-11	1.49E-10	8.64E-11	0	0	0	0	1.603E-07	3.4617E-07	4.35E-06	4.10996E-11	0	2.52482E-11	0
195	571470.6	4178119	0.55, 41781	0.69763	0.567	144.82238	43.55007	18.1028	10.0864	1.42632E-07	7.28E-10	1.43E-07	2.96E-05	5.60E-08	2.97E-05	3.7E-06	2.33E-08	3.72E-06	4.42E-11	1.34E-10	7.73E-11	0	0	0	0	1.434E-07	2.9665E-07	3.72E-06	3.6763E-11	0	2.25841E-11	0
196	571510.6	4178119	0.55, 41781	0.61632	0.51188	129.07456	44.20691	16.93315	8.5721	1.26008E-07	6.58E-10	1.27E-07	2.64E-05	5.68E-08	2.64E-05	3.46E-06	2.18E-08	3.48E-06	3.91E-11	1.18E-10	6.83E-11	0	0	0	0	1.267E-07	2.6446E-07	3.48E-06	3.24818E-11	0	1.99541E-11	0
197	571550.6	4178119	0.55, 41781	0.53701	0.45659	116.13448	43.6354	16.99831	7.6971	1.09793E-07	5.87E-10	1.1E-07	2.37E-05	5.61E-08	2.38E-05	3.48E-06	2.18E-08	3.5E-06	3.41E-11	1.03E-10	5.95E-11	0	0	0	0	1.104E-07	2.38E-07	3.5E-06	2.83055E-11	0	1.73885E-11	0
198	571590.6	4178119	0.55, 41781	0.46599	0.40463	103.06511	42.01095	16.60125	6.75955	9.52724E-08	5.20E-10	9.58E-08	2.11E-05	5.40E-08	2.11E-05	3.39E-06	2.13E-08	3.42E-06	2.96E-11	8.93E-11	5.17E-11	0	0	0	0	9.579E-08	2.1126E-07	3.42E-06	2.45648E-11	0	1.50906E-11	0
199	570310.6	4178159	0.55, 41781	0.10452	0.07557	83.14681	27.07322	10.39335	4.47805	2.13693E-08	9.71E-11	2.15E-08	1.7E-05	3.48E-08	1.7E-05	2.12E-06	1.34E-08	2.14E-06	6.62E-12	2E-11	1.16E-11	0	0	0	0	2.147E-08	1.7034E-07	2.14E-06	5.5048E-12	0	3.38169E-12	0
200	570350.6	4178159	0.55, 41781	0.1156	0.08446	83.51332	29.37807	10.43917	4.89635	2.36346E-08	1.09E-10	2.37E-08	1.71E-05	3.77E-08	1.71E-05	2.13E-06	1.34E-08	2.15E-06	7.33E-12	2.21E-11	1.28E-11	0	0	0	0	2.374E-08	1.7112E-07	2.15E-06	6.08865E-12	0	3.74035E-12	0
201	570390.6	4178159	0.55, 41781	0.12828	0.09489	85.72091	31.44775	10.71511	5.24129	2.62271E-08	1.22E-10	2.63E-08	1.75E-05	4.04E-08	1.76E-05	2.19E-06	1.38E-08	2.2E-06	8.13E-12	2.46E-11	1.42E-11	0	0	0	0	2.635E-08	1.7566E-07	2.2E-06	6.75689E-12	0	4.15086E-12	0
202	570430.6	4178159	0.55, 41781	0.14269	0.1072	94.53138	33.159	11.81642	5.5265	2.91732E-08	1.38E-10	2.93E-08	1.93E-05	4.26E-08	1.94E-05	2.42E-06	1.52E-08	2.43E-06	9.04E-12	2.73E-11	1.58E-11	0	0	0	0	2.931E-08	1.937E-07	2.43E-06	7.51645E-12	0	4.61747E-12	0
203	570470.6	4178159	0.55, 41781	0.15906	0.12183	91.68652	34.69147	11.46082	5.78191	3.25201E-08	1.57E-10	3.27E-08	1.87E-05	4.46E-08	1.88E-05	2.34E-06	1.47E-08	2.36E-06	1.01E-11	3.04E-11	1.76E-11	0	0	0	0	3.268E-08	1.879E-07	2.36E-06	8.37953E-12	0	5.14768E-12	0
204	570510.6	4178159	0.55, 41781	0.17738	0.13933	103.8828	36.49731	12.98535	6.04456	3.62656E-08	1.79E-10	3.64E-08	2.12E-05	4.69E-08	2.13E-05	2.65E-06	1.67E-08	2.67E-06	1.12E-11	3.4E-11	1.97E-11	0	0	0	0	3.644E-08	2.1286E-07	2.67E-06	9.3458E-12	0	5.74128E-12	0
205	570550.6	4178159	0.55, 41781	0.19733	0.16029	106.21161	38.46337	13.27645	6.62676	4.03444E-08	2.06E-10	4.06E-08	2.17E-05	4.94E-08	2.18E-05	2.71E-06	1.71E-08	2.73E-06	1.25E-11	3.78E-11	2.19E-11	0	0	0	0	4.055E-08	2.1765E-07	2.73E-06	1.03987E-11	0	6.38807E-12	0
206	570590.6	4178159	0.55, 41781	0.21794	0.18524	115.65264	40.48441	14.45658	7.37316	4.45582E-08	2.38E-10	4.48E-08	2.36E-05	5.20E-08	2.37E-05	2.96E-06	1.86E-08	2.97E-06	1.38E-11	4.17E-11	2.42E-11	0	0	0	0	4.48E-08	2.3697E-07	2.97E-06	1.14875E-11	0	7.05693E-12	0
207	570630.6	4178159	0.55, 41781	0.23707	0.21436	118.44365	42.79741	14.80546	8.08317	4.84693E-08	2.75E-10	4.87E-08	2.42E-05	5.50E-08	2.43E-05	3.03E-06	1.90E-08	3.05E-06	1.5E-11	4.54E-11	2.63E-11	0	0	0	0	4.874E-08	2.4271E-07	3.05E-06	1.25E-11	0	7.67897E-12	0
208	570670.6	4178159	0.55, 41781	0.25383	0.24795	124.95922	45.84094	15.6199	8.90031	5.1896E-08	3.19E-10	5.22E-08	2.55E-05	5.89E-08	2.56E-05	3.19E-06	2.01E-08	3.21E-06	1.61E-11	4.86E-11	2.82E-11	0	0	0	0	5.221E-08	2.5607E-07	3.21E-06	1.33898E-11	0	8.22557E-12	0
209	570710.6	4178159	0.55, 41781	0.27135	0.28697	131.25248	49.29697	17.47805	10.6966	5.54779E-08	3.69E-10	5.58E-08	2.68E-05	6.33E-08	2.69E-05	3.57E-06	2.25E-08	3.6E-06	1.72E-11	5.2E-11	3.01E-11	0	0	0	0	5.585E-08	2.6898E-07	3.6E-06	1.43212E-11	0	8.79776E-12	0
210	570750.6	4178159	0.55, 41781	0.29528	0.33222	146.48828	52.90094	21.86848	12.23914	6.03705E-08	4.27E-10	6.08E-08	2.99E-05	6.80E-08	3E-05	4.47E-06	2.81E-08	4.5E-06	1.88E-11	5.66E-11	3.28E-11	0	0	0	0	6.08E-08	3.0018E-07	4.5E-06	1.55908E-11	0	9.57766E-12	0
211	570790.6	4178159	0.55, 41781	0.33253	0.38536	168.4296	63.37031	22.18934	13.75991	6.79863E-08	4.95E-10	6.85E-08	3.44E-05	8.14E-08	3.45E-05	4.54E-06	2.85E-08	4.57E-06	2.11E-11	6.38E-11	3.69E-11	0	0	0	0	6.848E-08	3.4517E-07	4.57E-06	1.75613E-11	0	1.07882E-11	0
212	570830.6	4178159	0.55, 41781	0.39122	0.44987	226.40986	70.88867	28.30123	15.58224	7.99856E-08	5.78E-10	8.06E-08	4.63E-05	9.11E-08	4.64E-05	5.79E-06	3.64E-08	5.82E-06	2.49E-11	7.51E-11	4.35E-11	0	0	0	0	8.056E-08	4.6381E-07	5.82E-06	2.06596E-11	0	1.26915E-11	0
213	570870.6	4178159	0.55, 41781	0.48272	0.53035	262.06298	76.1106	32.75787	17.58972	9.86929E-08	6.81E-10	9.94E-08	5.36E-05	9.78E-08	5.37E-05	6.7E-06	4.21E-08	6.74E-06	3.07E-11	9.26E-11	5.36E-11	0	0	0	0	9.937E-08	5.3677E-07	6.74E-06	2.54834E-11	0	1.56548E-11	0
214	570910.6	4178159	0.55, 41781	0.61652	0.63133	261.24493	84.17228	32.65562	20.33398	1.26049E-07	8.11E-10	1.27E-07	5.34E-05	1.08E-07	5.35E-05	6.68E-06	4.20E-08	6.72E-06	3.91E-11	1.18E-10	6.84E-11	0	0	0	0	1.269E-07	5.352E-07	6.72E-06	3.25317E-11	0	1.99847E-11	0
215	570950.6	4178159	0.55, 41781	0.78722	0.75662	286.12528	93.97029	38.09436	25.30252	1.60948E-07	9.72E-10	1.62E-07	5.85E-05	1.21E-07	5.86E-05	7.79E-06	4.89E-08	7.84E-06	5E-11	1.51E-10	8.73E-11	0	0	0	0	1.619E-07	5.862E-07	7.84E-06	4.15226E-11	0	2.5508E-11	0
216	570990.6	4178159	0.55, 41781	0.95557	0.89576	303.7283	113.02353	49.39935	30.83627	1.95368E-07	1.15E-09	1.97E-07	6.21E-05	1.45E-07	6.22E-05	1.01E-05	6.35E-08	1.02E-05	6.06E-11	1.83E-10	1.06E-10	0	0	0	0	1.965E-07	6.2243E-07	1.02E-05	5.03949E-11	0	3.09584E-11	0
217	571030.6	4178159	0.55, 41781	1.0701	1.00768	365.27865	135.92516	63.89384	29.33742	2.18784E-07	1.29E-09	2.2E-07	7.47E-05	1.75E-07	7.49E-05	1.31E-05	8.21E-08	1.31E-05	6.79E-11	2.05E-10	1.19E-10	0	0	0	0	2.201E-07	7.4856E-07	1.31E-05	5.64365E-11	0	3.46699E-11	0
218	571070.6	4178159	0.55, 41781	1.06935	1.07923	382.13438	155.20031	54.74849	37.25068	2.1863E-07	1.39E-09	2.2E-07	7.81E-05	1.99E-07	7.83E-05	1.12E-05	7.03E-08	1.13E-05	6.79E-11	2.05E-10	1.19E-10	0	0	0	0	2.2E-07	7.8327E-07	1.13E-05	5.64208E-11	0	3.46602E-11	0
219	571110.6	4178159	0.55, 41781	1.19831	1.16386	373.85472	174.62021	53.40782	39.37776	2.44996E-07	1.50E-09	2.46E-07	7.64E-05	2.24E-07	7.67E-05	1.09E-05	6.86E-08	1.1E-05	7.61E-11	2.3E-10	1.33E-10	0	0	0	0	2.465E-07	7.666E-07	1.1E-05	6.32099E-11	0	3.88309E-11	0
220	571150.6	4178159	0.55, 41781	1.53671	1.26322	331.2731	149.81574	50.26616	34.67292	3.14183E-07	1.62E-09	3.16E-07	6.77E-05	1.92E-07	6.79E-05	1.03E-05	6.46E-08	1.03E-05	9.75E-11	2.94E-10	1.7E-10	0	0	0	0	3.158E-07	6.7922E-07	1.03E-05	8.09847E-11	0	4.97502E-11	0
221	571190.6	4178159	0.55, 41781	1.71324	1.27647	303.51531	125.05743	43.45807	29.97586	3.50275E-07	1.64E-09	3.52E-07	6.21E-05	1.61E-07	6.22E-05	8.89E-06	5.58E-08	8.94E-06	1.09E-10	3.28E-10	1.9E-10	0	0	0	0	3.519E-07	6.2215E-07	8.94E-06	9.02444E-11	0	5.54386E-11	0
222	571230.6	4178159	0.55, 41781	1.67997	1.21931	277.00255	96.22407	36.53844	24.95569	3.43473E-07	1.57E-09	3.45E-07	5.66E-05	1.24E-07	5.68E-05	7.47E-06	4.69E-08	7.52E-06	1.06E-10	3.21E-10	1.86E-10	0	0	0	0	3.45E-07	5.6757E-07	7.52E-06	8.84813E-11	0	5.43555E-11	0
223	571270.6	4178159	0.55, 41781	1.56347	1.13234	251.98402	83.18585	31.498	20.71301	3.19654E-07	1.45E-09	3.21E-07	5.15E-05	1.07E-07	5.16E-05	6.44E-06	4.05E-08	6.48E-06	9.91E-11	2.99E-10	1.73E-10	0	0	0	0	3.211E-07	5.1625E-07	6.48E-06	8.23446E-11	0	5.05856E-11	0
224	571310.6	4178159	0.55, 41781	1.42012	1.03692	223.09845	65.85457	27.88731	18.21453	2.90346E-07	1.33E-09	2.92E-07	4.56E-05	8.46E-08	4.57E-05	5.7E-06	3.58E-08	5.74E-06	9E-11	2.72E-10	1.57E-10	0	0	0	0	2.917E-07	4.5697E-07	5.74E-06	7.47974E-11	0	4.59493E-11	0
225	571350.6	4178159	0.55, 41781	1.26306	0.93714	212.7442	53.05659	26.59303	15.01468	2.58235E-07	1.20E-09	2.59E-07	4.35E-05	6.82E-08	4.36E-05	5.44E-06	3.42E-08	5.47E-06	8.01E-11	2.42E-10	1.4E-10	0	0	0	0	2.594E-07	4.3564E-07	5.47E-06	6.653E-11	0	4.08705E-11	0
226	571390.6	4178159	0.55, 41781	1.10199	0.83709	185.92823	54.01949	23.24103	13.29114	2.25304E-07	1.08E-09	2.26E-07	3.8E-05	6.94E-08	3.81E-05	4.75E-06	2.99E-08	4.78E-06	6.99E-11	2.11E-10	1.22E-10	0	0	0	0	2.264E-07	3.8083E-07	4.78E-06	5.80523E-11	0	3.56625E-11	0
227	571430.6	4178159	0.55, 41781	0.9418	0.73869	159.26436	53.60229	21.61583	11.2268	1.92553E-07	9.49E-10	1.94E-07	3.26E-05	6.89E-08	3.26E-05	4.42E-06	2.78E-08	4.45E-06	5.97E-11	1.8E-10	1.04E-10	0	0	0	0	1.935E-07	3.2631E-07	4.45E-06	4.96212E-11	0	3.04831E-11	0
228	571470.6	4178159	0.55, 41781	0.79447	0.64516	139.92539	51.85557	21.06215	9.90602	1.62431E-07	8.29E-10	1.63E-07	2.86E-05	6.66E-08	2.87E-05	4.31E-06	2.71E-08	4.33E-06	5.04E-11	1.52E-10	8.81E-11	0	0	0	0	1.633E-07	2.8675E-07	4.33E-06	4.1866E-11	0	2.5719E-11	0
229	571510.6	4178159	0.55, 41781	0.67282	0.56206	120.25585	49.92459	19.96311	8.50885	1.37559E-07	7.22E-10	1.38E-07	2.46E-05	6.41E-08	2.47E-05	4.08E-06	2.56E-08	4.11E-06	4.27E-11	1.29E-10	7.46E-11	0	0	0	0	1.383E-07	2.4651E-07	4.11E-06	3.54606E-11	0	2.1784E-11	0
230	571550.6	4178159	0.55, 41781	0.57423	0.48972	110.64777	47.57404	18.4413	7.31081	1.17402E-07	6.29E-10	1.18E-07	2.26E-05	6.11E-08	2.27E-05	3.77E-06	2.37E-08	3.79E-06	3.64E-11	1.1E-10	6.37E-11	0	0	0	0	1.18E-07	2.2683E-07	3.79E-06	3.02678E-11	0	1.8594E-11	0
231	571590.6	4178159	0.55, 41781	0.49292	0.42713	100.4908	44.5532	16.74847	6.44552	1.00778E-07	5.49E-10	1.01E-07	2.05E-05	5.72E-08	2.06E-05	3.42E-06	2.15E-08	3.45E-06	3.13E-11	9.44E-11	5.47E-11	0	0	0	0	1.013E-07	2.0603E-07	3.45E-06	2.59841E-11	0	1.59625E-11	0
232	570310.6	4178199	0.55, 41781	0.10691	0.07648	81.28791	24.55019	10.16099	3.94128	2.18579E-08	9.83E-11	2.2E-08	1.66E-05	3.15E-08	1.67E-05	2.08E-06	1.31E-08	2.09E-06	6.78E-12	2.05E-11	1.18E-11	0	0	0	0	2.196E-08	1.6651E-07	2.09E-06	5.63041E-12	0	3.45885E-12	0
233	570350.6	4178199	0.55, 41781	0.11881	0.08587	92.41038	27.80697	11.5513	4.55912	2.42909E-08	1.10E-10	2.44E-08	1.89E-05	3.57E-08	1.89E-05	2.36E-06	1.48E-08	2.38E-06	7.53E-12	2.27E-11	1.32E-11	0	0	0	0	2.44E-08	1.8929E-07	2.38E-06	6.25741E-12	0	3.84403E-12	0
234	570390.6	4178199	0.55, 41781	0.13286	0.09703	98.9418	30.67703	12.36772	5.11284	2.71634E-08	1.25E-10	2.73E-08	2.02E-05	3.94E-08	2.03E-05	2.53E-06	1.59E-08	2.54E-06	8.42E-12	2.54E-11	1.47E-11	0	0	0	0	2.729E-08	2.0268E-07	2.54E-06	6.99772E-12	0	4.29881E-12	0
235	570430.6	4178199	0.55, 41781	0.14935	0.11037	98.24021	33.47488	12.28003	5.57915	3.05348E-08	1.42E-10	3.07E-08	2.01E-05	4.30E-08	2.01E-05	2.51E-06	1.58E-08	2.53E-06	9.47E-12	2.86E-11	1.65E-11	0	0	0	0	3.068E-08	2.0128E-07	2.53E-06	7.86667E-12	0	4.83262E-12	0
236	570470.6	4178199	0.55, 41781	0.1686	0.12646	107.25905	35.76824	13.40738	5.96137	3.44705E-08	1.62E-10	3.46E-08	2.19E-05	4.60E-08	2.2E-05	2.74E-06	1.72E-08	2.76E-06	1.07E-11	3.23E-11	1.87E-11	0	0	0	0	3.463E-08	2.1975E-07	2.76E-06	8.88123E-12	0	5.45589E-12	0
237	570510.6	4178199	0.55, 41781	0.19081	0.14598	111.923	37.71142	13.99038	6.28524	3.90114E-08	1.88E-10	3.92E-08	2.29E-05	4.85E-08	2.29E-05	2.86E-06	1.80E-08	2.88E-06	1.21E-11	3.65E-11	2.11E-11	0	0	0	0	3.92E-08	2.2931E-07	2.88E-06	1.00521E-11	0	6.17518E-12	0
238	570550.6	4178199	0.55, 41781	0.21602	0.16987	119.57772	40.00549	14.94721	6.67621	4.41656E-08	2.18E-10	4.44E-08	2.44E-05	5.14E-08	2.45E-05	3.06E-06	1.92E-08	3.08E-06	1.37E-11	4.14E-11	2.39E-11	0	0	0	0	4.438E-08	2.4499E-07	3.08E-06	1.13817E-11	0	6.99198E-12	0
239	570590.6	4178199	0.55, 41781	0.24388	0.19917	124.08345	42.52786	15.51043	7.78928	4.98617E-08	2.56E-10	5.01E-08	2.54E-05	5.46E-08	2.54E-05	3.17E-06	1.99E-08	3.19E-06	1.55E-11	4.67E-11	2.7E-11	0	0	0	0	5.012E-08	2.5424E-07	3.19E-06	1.28521E-11	0	7.89523E-12	0
240	570630.6	4178199	0.55, 41781	0.27242	0.23473	135.79301	45.13025	16.97413	8.73982	5.56967E-08	3.02E-10	5.6E-08	2.78E-05	5.80E-08	2.78E-05	3.47E-06	2.18E-08	3.49E-06	1.73E-11	5.22E-11	3.02E-11	0	0	0	0	5.6E-08	2.7821E-07	3.49E-06	1.43601E-11	0	8.82165E-12	0
241	570670.6	4178199	0.55, 41781	0.29828	0.27729	136.89517	48.04336	17.44831	9.65486	6.09838E-08	3.56E-10	6.13E-08	2.8E-05	6.17E-08	2.81E-05	3.57E-06	2.24E-08	3.59E-06	1.89E-11	5.72E-11	3.31E-11	0	0	0	0	6.134E-08	2.805E-07	3.59E-06	1.57299E-11	0	9.66316E-12	0
242	570710.6	4178199	0.55, 41781	0.321	0.32818	151.98197	52.23375	19.68934	11.4382	6.5629E-08	4.22E-10	6.61E-08	3.11E-05	6.71E-08	3.11E-05	4.03E-06	2.53E-08	4.05E-06	2.04E-11	6.15E-11	3.56E-11	0	0	0	0	6.605E-08	3.114E-07	4.05E-06	1.69379E-11	0	1.04052E-11	0
243	570750.6	4178199	0.55, 41781	0.34558	0.38955	144.14265	57.26085	22.53194	13.53855	7.06544E-08	5.00E-10	7.12E-08	2.95E-05	7.36E-08	2.95E-05	4.61E-06	2.89E-08	4.64E-06	2.2E-11	6.63E-11	3.84E-11	0	0	0	0	7.115E-08	2.9544E-07	4.64E-06	1.82468E-11	0	1.12093E-11	0
244	570790.6	4178199	0.55, 41781	0.38143	0.46429	173.32889	66.95506	25.57778	15.36352	7.7984E-08	5.97E-10	7.86E-08	3.54E-05	8.60E-08	3.55E-05	5.23E-06	3.29E-08	5.26E-06	2.42E-11	7.32E-11	4.24E-11	0	0	0	0	7.858E-08	3.5523E-07	5.26E-06	2.01511E-11	0	1.23791E-11	0
245	570830.6	4178199	0.55, 41781	0.44289	0.55991	200.31972	78.9407	28.47462	17.66262	9.05496E-08	7.19E-10	9.13E-08	4.1E-05	1.01E-07	4.11E-05	5.82E-06	3.66E-08	5.86E-06	2.82E-11	8.5E-11	4.92E-11	0	0	0	0	9.127E-08	4.1057E-07	5.86E-06	2.34049E-11	0	1.4378E-11	0
246	570870.6	4178199	0.55, 41781	0.55133	0.6879	245.75399	83.68372	34.28137	20.83884	1.1272E-07	8.84E-10	1.14E-07	5.02E-05	1.08E-07	5.04E-05	7.01E-06	4.40E-08	7.05E-06	3.51E-11	1.06E-10	6.13E-11	0	0	0	0	1.136E-07	5.0352E-07	7.05E-06	2.91324E-11	0	1.78965E-11	0
247	570910.6	4178199	0.55, 41781	0.74216	0.86472	353.61381	98.21675	44.20173	24.01316	1.51736E-07	1.11E-09	1.53E-07	7.23E-05	1.26E-07	7.24E-05	9.04E-06	5.68E-08	9.09E-06	4.72E-11	1.42E-10	8.24E-11	0	0	0	0	1.528E-07	7.2423E-07	9.09E-06	3.91958E-11	0	2.40786E-11	0
248	570950.6	4178199	0.55, 41781	1.08517	1.1274	376.11466	111.85514	52.74149	29.33795	2.21865E-07	1.45E-09	2.23E-07	7.69E-05	1.44E-07	7.7E-05	1.08E-05	6.78E-08	1.09E-05	6.89E-11	2.08E-10	1.2E-10	0	0	0	0	2.233E-07	7.7041E-07	1.09E-05	5.72661E-11	0	3.51795E-11	0
249	570990.6	4178199	0.55, 41781	1.58976	1.56693	410.19015	135.68135	68.60008	44.06737	3.25029E-07	2.01E-09	3.27E-07	8.39E-05	1.74E-07	8.4E-05	1.4E-05	8.81E-08	1.41E-05	1.01E-10	3.05E-10	1.76E-10	0	0	0	0	3.27E-07	8.4038E-07	1.41E-05	8.38661E-11	0	5.15203E-11	0
250	571030.6	4178199	0.55, 41781	2.42958	2.27373	561.74649	191.25505	107.05418	55.40677	4.96732E-07	2.92E-09	5E-07	0.000115	2.46E-07	0.000115	2.19E-05	1.38E-07	2.2E-05	1.54E-10	4.66E-10	2.7E-10	0	0	0	0	4.997E-07	1.151E-06	2.2E-05	1.2813E-10	0	7.87124E-11	0
251	571070.6	4178199	0.55, 41781	3.58306	3.18041	721.18769	259.71405	139.44796	73.67892	7.32562E-07	4.09E-09	7.37E-07	0.000147	3.34E-07	0.000148	2.85E-05	1.79E-07	2.87E-05	2.27E-10	6.86E-10	3.97E-10	0	0	0	0	7.366E-07	1.4778E-06	2.87E-05	1.88905E-10	0	1.16047E-10	0
252	571110.6	4178199	0.55, 41781	5.26167	3.22788	536.30163	206.72583	116.57539	57.94295	1.07576E-06	4.15E-09	1.08E-06	0.00011	2.66E-07	0.00011	2.38E-05	1.50E-07	2.4E-05	3.33E-10	1.01E-09	5.82E-10	0	0	0	0	1.08E-06	1.0991E-06	2.4E-05	2.76929E-10	0	1.70122E-10	0
253	571150.6	4178199	0.55, 41781	4.55265	2.7214	406.82024	165.14744	75.27018	43.84452	9.30797E-07	3.50E-09	9.34E-07	8.32E-05	2.12E-07	8.34E-05	1.54E-05	9.67E-08	1.55E-05	2.88E-10	8.71E-10	5.04E-10	0	0	0	0	9.343E-07	8.3387E-07	1.55E-05	2.39589E-10	0	1.47183E-10	0
254	571190.6	4178199	0.55, 41781	3.6655	2.27193	348.88414	129.45816	55.11772	35.12171	7.49417E-07	2.92E-09	7.52E-07	7.13E-05	1.66E-07	7.15E-05	1.13E-05	7.08E-08	1.13E-05	2.32E-10	7.01E-10	4.06E-10	0	0	0	0	7.523E-07	7.1496E-07	1.13E-05	1.92928E-10	0	1.18519E-10	0

255	571230.6	4178199	0.55, 41781	2.99647	1.91661	311.11499	100.77545	44.29874	28.05958	6.12633E-07	2.46E-09	6.15E-07	6.36E-05	1.29E-07	6.37E-05	9.06E-06	5.69E-08	9.11E-06	1.9E-10	5.73E-10	3.32E-10	0	0	0	0	6.151E-07	6.3737E-07	9.11E-06	1.57734E-10	0	9.68986E-11	0
256	571270.6	4178199	0.55, 41781	2.48655	1.63354	275.28639	78.6156	36.03295	23.70769	5.08379E-07	2.10E-09	5.1E-07	5.63E-05	1.01E-07	5.64E-05	7.37E-06	4.63E-08	7.41E-06	1.58E-10	4.76E-10	2.75E-10	0	0	0	0	5.105E-07	5.6384E-07	7.41E-06	1.30906E-10	0	8.04177E-11	0
257	571310.6	4178199	0.55, 41781	2.04979	1.39182	251.65063	69.80646	31.45633	18.505	4.19083E-07	1.79E-09	4.21E-07	5.15E-05	8.97E-08	5.15E-05	6.43E-06	4.04E-08	6.47E-06	1.3E-10	3.92E-10	2.27E-10	0	0	0	0	4.209E-07	5.154E-07	6.47E-06	1.07927E-10	0	6.63016E-11	0
258	571350.6	4178199	0.55, 41781	1.66907	1.18291	207.71058	67.17721	28.41822	15.5683	3.41244E-07	1.52E-09	3.43E-07	4.25E-05	8.63E-08	4.26E-05	5.81E-06	3.65E-08	5.85E-06	1.06E-10	3.19E-10	1.85E-10	0	0	0	0	3.428E-07	4.2553E-07	5.85E-06	8.78978E-11	0	5.3997E-11	0
259	571390.6	4178199	0.55, 41781	1.33874	0.99933	175.53523	63.93291	26.80029	13.20173	2.73708E-07	1.28E-09	2.75E-07	3.59E-05	8.21E-08	3.6E-05	5.48E-06	3.44E-08	5.51E-06	8.49E-11	2.56E-10	1.48E-10	0	0	0	0	2.75E-07	3.5971E-07	5.51E-06	7.05184E-11	0	4.33206E-11	0
260	571430.6	4178199	0.55, 41781	1.08215	0.84466	146.49279	60.30749	24.41546	11.02968	2.21247E-07	1.09E-09	2.22E-07	3E-05	7.75E-08	3E-05	4.99E-06	3.14E-08	5.02E-06	6.86E-11	2.07E-10	1.2E-10	0	0	0	0	2.223E-07	3.0028E-07	5.02E-06	5.70146E-11	0	3.5025E-11	0
261	571470.6	4178199	0.55, 41781	0.88511	0.71494	129.54701	55.96987	21.59117	9.33698	1.80962E-07	9.19E-10	1.82E-07	2.65E-05	7.19E-08	2.66E-05	4.41E-06	2.77E-08	4.44E-06	5.61E-11	1.69E-10	9.81E-11	0	0	0	0	1.819E-07	2.6558E-07	4.44E-06	4.66412E-11	0	2.86524E-11	0
262	571510.6	4178199	0.55, 41781	0.73336	0.60746	112.64977	51.14316	18.77496	8.40942	1.49937E-07	7.80E-10	1.51E-07	2.3E-05	6.57E-08	2.31E-05	3.84E-06	2.41E-08	3.86E-06	4.65E-11	1.4E-10	8.13E-11	0	0	0	0	1.507E-07	2.3097E-07	3.86E-06	3.86496E-11	0	2.37431E-11	0
263	571550.6	4178199	0.55, 41781	0.6189	0.52125	97.68282	46.08498	16.28047	7.59304	1.26535E-07	6.70E-10	1.27E-07	2E-05	5.92E-08	2E-05	3.33E-06	2.09E-08	3.35E-06	3.93E-11	1.19E-10	6.86E-11	0	0	0	0	1.272E-07	2.0031E-07	3.35E-06	3.26202E-11	0	2.00391E-11	0
264	571590.6	4178199	0.55, 41781	0.52714	0.45016	84.87826	41.93857	14.14638	6.8553	1.07775E-07	5.78E-10	1.08E-07	1.74E-05	5.39E-08	1.74E-05	2.89E-06	1.82E-08	2.91E-06	3.34E-11	1.01E-10	5.84E-11	0	0	0	0	1.084E-07	1.7407E-07	2.91E-06	2.77859E-11	0	1.70693E-11	0
265	570310.6	4178239	0.55, 41782	0.10871	0.07725	69.36135	22.19632	9.49069	3.20395	2.22259E-08	9.92E-11	2.23E-08	1.42E-05	2.85E-08	1.42E-05	1.94E-06	1.22E-08	1.95E-06	6.89E-12	2.08E-11	1.2E-11	0	0	0	0	2.233E-08	1.421E-07	1.95E-06	5.72503E-12	0	3.51698E-12	0
266	570350.6	4178239	0.55, 41782	0.12097	0.08699	80.24676	23.95533	10.03084	3.79637	2.47325E-08	1.12E-10	2.48E-08	1.64E-05	3.08E-08	1.64E-05	2.05E-06	1.29E-08	2.06E-06	7.67E-12	2.31E-11	1.34E-11	0	0	0	0	2.484E-08	1.6437E-07	2.06E-06	6.37102E-12	0	3.91382E-12	0
267	570390.6	4178239	0.55, 41782	0.13576	0.09875	97.68381	28.15369	12.21048	4.56788	2.77564E-08	1.27E-10	2.79E-08	2E-05	3.62E-08	2E-05	2.5E-06	1.57E-08	2.51E-06	8.6E-12	2.6E-11	1.5E-11	0	0	0	0	2.788E-08	2.0008E-07	2.51E-06	7.15033E-12	0	4.39256E-12	0
268	570430.6	4178239	0.55, 41782	0.15369	0.11303	112.57412	32.01468	14.07177	5.30028	3.14222E-08	1.45E-10	3.16E-08	2.3E-05	4.11E-08	2.31E-05	2.88E-06	1.81E-08	2.9E-06	9.74E-12	2.94E-11	1.7E-11	0	0	0	0	3.157E-08	2.3057E-07	2.9E-06	8.09509E-12	0	4.97294E-12	0
269	570470.6	4178239	0.55, 41782	0.17542	0.1305	120.86213	35.6675	15.10777	5.94458	3.58649E-08	1.68E-10	3.6E-08	2.47E-05	4.58E-08	2.48E-05	3.09E-06	1.94E-08	3.11E-06	1.11E-11	3.36E-11	1.94E-11	0	0	0	0	3.603E-08	2.4756E-07	3.11E-06	9.24013E-12	0	5.67636E-12	0
270	570510.6	4178239	0.55, 41782	0.20166	0.15208	118.29832	38.86505	14.78729	6.47751	4.12297E-08	1.95E-10	4.14E-08	2.42E-05	4.99E-08	2.42E-05	3.02E-06	1.90E-08	3.04E-06	1.28E-11	3.86E-11	2.23E-11	0	0	0	0	4.143E-08	2.4236E-07	3.04E-06	1.0623E-11	0	6.52587E-12	0
271	570550.6	4178239	0.55, 41782	0.23297	0.17899	134.82021	41.51275	16.85253	6.91879	4.76311E-08	2.30E-10	4.79E-08	2.76E-05	5.33E-08	2.76E-05	3.45E-06	2.17E-08	3.47E-06	1.48E-11	4.46E-11	2.58E-11	0	0	0	0	4.786E-08	2.7618E-07	3.47E-06	1.22734E-11	0	7.53975E-12	0
272	570590.6	4178239	0.55, 41782	0.26933	0.21289	138.182	44.61865	17.27275	7.89914	5.5065E-08	2.74E-10	5.53E-08	2.83E-05	5.73E-08	2.83E-05	3.53E-06	2.22E-08	3.55E-06	1.71E-11	5.16E-11	2.98E-11	0	0	0	0	5.534E-08	2.8309E-07	3.55E-06	1.41909E-11	0	8.7177E-12	0
273	570630.6	4178239	0.55, 41782	0.31001	0.25571	151.57706	47.88426	18.94713	9.37801	6.3382E-08	3.29E-10	6.37E-08	3.1E-05	6.15E-08	3.11E-05	3.87E-06	2.43E-08	3.9E-06	1.97E-11	5.94E-11	3.44E-11	0	0	0	0	6.371E-08	3.1052E-07	3.9E-06	1.63378E-11	0	1.00366E-11	0
274	570670.6	4178239	0.55, 41782	0.35129	0.30919	163.01094	51.1286	20.37637	10.66356	7.18218E-08	3.97E-10	7.22E-08	3.33E-05	6.57E-08	3.34E-05	4.17E-06	2.62E-08	4.19E-06	2.23E-11	6.73E-11	3.9E-11	0	0	0	0	7.222E-08	3.3394E-07	4.19E-06	1.85197E-11	0	1.1377E-11	0
275	570710.6	4178239	0.55, 41782	0.3879	0.37553	161.77129	55.27243	21.46966	11.91574	7.93068E-08	4.82E-10	7.98E-08	3.31E-05	7.10E-08	3.31E-05	4.39E-06	2.76E-08	4.42E-06	2.46E-11	7.43E-11	4.3E-11	0	0	0	0	7.979E-08	3.3145E-07	4.42E-06	2.0461E-11	0	1.25695E-11	0
276	570750.6	4178239	0.55, 41782	0.41955	0.45853	185.09687	61.2613	24.33831	15.0229	8.57777E-08	5.89E-10	8.64E-08	3.78E-05	7.87E-08	3.79E-05	4.98E-06	3.13E-08	5.01E-06	2.67E-11	8.05E-11	4.66E-11	0	0	0	0	8.637E-08	3.7922E-07	5.01E-06	2.21478E-11	0	1.36057E-11	0
277	570790.6	4178239	0.55, 41782	0.45531	0.56517	195.76674	71.16962	30.0466	17.67317	9.30889E-08	7.26E-10	9.38E-08	4E-05	9.14E-08	4.01E-05	6.14E-06	3.86E-08	6.18E-06	2.89E-11	8.74E-11	5.06E-11	0	0	0	0	9.381E-08	4.0116E-07	6.18E-06	2.40578E-11	0	1.47791E-11	0
278	570830.6	4178239	0.55, 41782	0.51729	0.70869	186.14136	86.93814	30.32646	20.0795	1.05761E-07	9.10E-10	1.07E-07	3.81E-05	1.12E-07	3.82E-05	6.2E-06	3.90E-08	6.24E-06	3.29E-11	9.94E-11	5.75E-11	0	0	0	0	1.067E-07	3.8169E-07	6.24E-06	2.73546E-11	0	1.68044E-11	0
279	570870.6	4178239	0.55, 41782	0.63421	0.91745	225.98347	96.3139	37.66391	24.81387	1.29665E-07	1.18E-09	1.31E-07	4.62E-05	1.24E-07	4.63E-05	7.7E-06	4.84E-08	7.75E-06	4.04E-11	1.22E-10	7.06E-11	0	0	0	0	1.308E-07	4.6326E-07	7.75E-06	3.35534E-11	0	2.06124E-11	0
280	570910.6	4178239	0.55, 41782	0.85302	1.23442	293.13359	117.47886	47.06613	30.6738	1.74401E-07	1.59E-09	1.76E-07	5.99E-05	1.51E-07	6.01E-05	9.62E-06	6.05E-08	9.68E-06	5.43E-11	1.64E-10	9.49E-11	0	0	0	0	1.76E-07	6.0083E-07	9.68E-06	4.51299E-11	0	2.7724E-11	0
281	570950.6	4178239	0.55, 41782	1.35023	1.79208	455.80102	142.22416	68.40553	39.86266	2.76057E-07	2.30E-09	2.78E-07	9.32E-05	1.83E-07	9.34E-05	1.4E-05	8.79E-08	1.41E-05	8.59E-11	2.59E-10	1.5E-10	0	0	0	0	2.784E-07	9.3372E-07	1.41E-05	7.1382E-11	0	4.38511E-11	0
282	570990.6	4178239	0.55, 41782	3.0182	3.06414	885.93977	193.04223	147.1874	58.20401	6.17076E-07	3.94E-09	6.21E-07	0.000181	2.48E-07	0.000181	3.01E-05	1.89E-07	3.03E-05	1.92E-10	5.79E-10	3.35E-10	0	0	0	0	6.21E-07	1.8138E-06	3.03E-05	1.59251E-10	0	9.78307E-11	0
283	571030.6	4178239	0.55, 41782	7.70332	4.46365	679.65913	243.63294	144.28562	71.78775	1.57496E-06	5.73E-09	1.58E-06	0.000139	3.13E-07	0.000139	2.95E-05	1.85E-07	2.97E-05	4.88E-10	1.47E-09	8.53E-10	0	0	0	0	1.581E-06	1.3927E-06	2.97E-05	4.0535E-10	0	2.49013E-10	0
284	571110.6	4178239	0.55, 41782	48.37684	13.76668	1082.14109	288.2044	441.33003	115.9324	9.89072E-06	1.77E-08	9.91E-06	0.000221	3.70E-07	0.000222	9.02E-05	5.67E-07	9.08E-05	3.06E-09	9.23E-09	5.34E-09	0	0	0	0	9.908E-06	2.2162E-06	9.08E-05	2.5409E-09	0	1.56091E-09	0
285	571150.6	4178239	0.55, 41782	14.38318	6.22649	550.93904	192.81003	147.46183	59.89562	2.94066E-06	8.00E-09	2.95E-06	0.000113	2.48E-07	0.000113	3.01E-05	1.89E-07	3.03E-05	9.1E-10	2.75E-09	1.59E-09	0	0	0	0	2.949E-06	1.1289E-06	3.03E-05	7.56151E-10	0	4.64516E-10	0
286	571190.6	4178239	0.55, 41782	8.08563	4.10425	423.01159	138.20819	88.76631	43.45879	1.65312E-06	5.27E-09	1.66E-06	8.65E-05	1.78E-07	8.67E-05	1.81E-05	1.14E-07	1.83E-05	5.12E-10	1.55E-09	8.94E-10	0	0	0	0	1.658E-06	8.6663E-07	1.83E-05	4.25276E-10	0	2.61254E-10	0
287	571230.6	4178239	0.55, 41782	5.48613	3.01374	364.79857	99.98669	64.1708	32.88659	1.12165E-06	3.87E-09	1.13E-06	7.46E-05	1.28E-07	7.47E-05	1.31E-05	8.24E-08	1.32E-05	3.47E-10	1.05E-09	6.07E-10	0	0	0	0	1.126E-06	7.4712E-07	1.32E-05	2.88627E-10	0	1.77308E-10	0
288	571270.6	4178239	0.55, 41782	3.91656	2.30583	308.69657	91.16262	42.97299	25.31404	8.00747E-07	2.96E-09	8.04E-07	6.31E-05	1.17E-07	6.32E-05	8.79E-06	5.52E-08	8.84E-06	2.48E-10	7.49E-10	4.34E-10	0	0	0	0	8.037E-07	6.3231E-07	8.84E-06	2.06102E-10	0	1.26612E-10	0
289	571310.6	4178239	0.55, 41782	2.81911	1.80691	238.76095	82.99282	36.57222	19.65898	5.76372E-07	2.32E-09	5.79E-07	4.88E-05	1.07E-07	4.89E-05	7.48E-06	4.70E-08	7.52E-06	1.79E-10	5.39E-10	3.12E-10	0	0	0	0	5.787E-07	4.8922E-07	7.52E-06	1.48399E-10	0	9.1164E-11	0
290	571350.6	4178239	0.55, 41782	2.07392	1.43877	186.98174	75.01218	31.16362	15.62493	4.24016E-07	1.85E-09	4.26E-07	3.82E-05	9.64E-08	3.83E-05	6.37E-06	4.00E-08	6.41E-06	1.31E-10	3.97E-10	2.3E-10	0	0	0	0	4.259E-07	3.8325E-07	6.41E-06	1.09208E-10	0	6.70883E-11	0
291	571390.6	4178239	0.55, 41782	1.57003	1.1589	153.36435	67.14235	25.56072	13.28221	3.20995E-07	1.49E-09	3.22E-07	3.14E-05	8.63E-08	3.14E-05	5.23E-06	3.28E-08	5.26E-06	9.95E-11	3E-10	1.74E-10	0	0	0	0	3.225E-07	3.1442E-07	5.26E-06	8.26973E-11	0	5.08023E-11	0
292	571430.6	4178239	0.55, 41782	1.23548	0.94866	124.99719	59.46648	20.83286	11.6734	2.52596E-07	1.22E-09	2.54E-07	2.56E-05	7.64E-08	2.56E-05	4.26E-06	2.68E-08	4.29E-06	7.83E-11	2.36E-10	1.37E-10	0	0	0	0	2.538E-07	2.5632E-07	4.29E-06	6.50878E-11	0	3.99845E-11	0
293	571470.6	4178239	0.55, 41782	0.99131	0.7845	109.3041	54.21436	17.2339	10.26711	2.02675E-07	1.01E-09	2.04E-07	2.23E-05	6.97E-08	2.24E-05	3.52E-06	2.21E-08	3.55E-06	6.29E-11	1.9E-10	1.1E-10	0	0	0	0	2.037E-07	2.2417E-07	3.55E-06	5.22321E-11	0	3.2087E-11	0
294	571510.6	4178239	0.55, 41782	0.81688	0.65976	100.30585	50.40167	14.55844	9.03737	1.67012E-07	8.48E-10	1.68E-07	2.05E-05	6.48E-08	2.06E-05	2.98E-06	1.87E-08	3E-06	5.18E-11	1.56E-10	9.05E-11	0	0	0	0	1.679E-07	2.0572E-07	3E-06	4.30458E-11	0	2.64437E-11	0
295	571550.6	4178239	0.55, 41782	0.68618	0.56281	92.19218	46.80105	12.52836	7.96128	1.40291E-07	7.23E-10	1.41E-07	1.88E-05	6.01E-08	1.89E-05	2.56E-06	1.61E-08	2.58E-06	4.35E-11	1.31E-10	7.61E-11	0	0	0	0	1.41E-07	1.8909E-07	2.58E-06	3.61613E-11	0	2.22145E-11	0
296	571590.6	4178239	0.55, 41782	0.57854	0.48285	84.94405	43.3686	10.89629	7.01254	1.18283E-07	6.20E-10	1.19E-07	1.74E-05	5.57E-08	1.74E-05	2.23E-06	1.40E-08	2.24E-06	3.67E-11	1.11E-10	6.41E-11	0	0	0	0	1.189E-07	1.7423E-07	2.24E-06	3.04915E-11	0	1.87314E-11	0
297	570310.6	4178279	0.55, 41782	0.11004	0.07807	74.04292	22.79319	10.17864	3.64675	2.24979E-08	1.00E-10	2.26E-08	1.51E-05	2.93E-08	1.52E-05	2.08E-06	1.31E-08	2.09E-06	6.97E-12	2.11E-11	1.22E-11	0	0	0	0	2.26E-08	1.5167E-07	2.09E-06	5.79503E-12	0	3.55998E-12	0
298	570350.6	4178279	0.55, 41782	0.12249	0.08802	80.9847	23.74961	11.08549	3.81596	2.50433E-08	1.13E-10	2.52E-08	1.66E-05	3.05E-08	1.66E-05	2.27E-06	1.42E-08	2.28E-06	7.76E-12	2.34E-11	1.36E-11	0	0	0	0	2.516E-08	1.6588E-07	2.28E-06	6.45106E-12	0	3.96299E-12	0
299	570390.6	4178279	0.55, 41782	0.13757	0.10016	86.03589	24.80698	11.74551	4.00404	2.81264E-08	1.29E-10	2.83E-08	1.76E-05	3.19E-08	1.76E-05	2.4E-06	1.51E-08	2.42E-06	8.72E-12	2.63E-11	1.52E-11	0	0	0	0	2.826E-08	1.7622E-07	2.42E-06	7.24569E-12	0	4.45114E-12	0
300	570430.6	4178279	0.55, 41782	0.15607	0.11514	96.31741	27.84204	12.03968	4.46456	3.19088E-08	1.48E-10	3.21E-08	1.97E-05	3.58E-08	1.97E-05	2.46E-06	1.55E-08	2.48E-06	9.89E-12	2.99E-11	1.73E-11	0	0	0	0	3.206E-08	1.9728E-07	2.48E-06	8.22057E-12	0	5.05003E-12	0
301	570470.6	4178279	0.55, 41782	0.17907	0.13378	120.52086	33.01708	15.06511	5.41696	3.66112E-08	1.72E-10	3.68E-08	2.46E-05	4.24E-08	2.47E-05	3.08E-06	1.94E-08	3.1E-06	1.14E-11	3.43E-11	1.98E-11	0	0	0	0	3.678E-08	2.4683E-07	3.1E-06	9.43258E-12	0	5.79459E-12	0
302	570510.6	4178279	0.55, 41782	0.20795	0.15724	141.57577	37.85068	17.69697	6.30845	4.25157E-08	2.02E-10	4.27E-08	2.89E-05	4.86E-08	2.9E-05	3.62E-06	2.27E-08	3.64E-06	1.32E-11	3.98E-11	2.3E-11	0	0	0	0	4.272E-08	2.8994E-07	3.64E-06	1.09545E-11	0	6.72951E-12	0
303	570550.6	4178279	0.55, 41782	0.24435	0.18714	153.17347	42.50173	19.14668	7.08362	4.99578E-08	2.40E-10	5.02E-08	3.13E-05	5.46E-08	3.14E-05	3.91E-06	2.46E-08	3.94E-06	1.55E-11	4.68E-11	2.71E-11	0	0	0	0	5.02E-08	3.1371E-07	3.94E-06	1.28727E-11	0	7.90793E-12	0
304	570590.6	4178279	0.55, 41782	0.28993	0.22577	157.86485	46.41285	19.73311	7.73548	5.92767E-08	2.90E-10	5.96E-08	3.23E-05	5.96E-08	3.23E-05	4.03E-06	2.54E-08	4.06E-06	1.84E-11	5.55E-11	3.21E-11	0	0	0	0	5.957E-08	3.2335E-07	4.06E-06	1.52752E-11	0	9.3838E-12	0
305	570630.6	4178279	0.55, 41782	0.34541	0.27631	169.89337	50.77009	21.23667	9.57894	7.06196E-08	3.55E-10	7.1E-08	3.47E-05	6.52E-08	3.48E-05	4.34E-06	2.73E-08	4.37E-06	2.19E-11	6.61E-11	3.83E-11	0	0	0	0	7.097E-08	3.48E-07	4.37E-06	1.82006E-11	0	1.11809E-11	0
306	570670.6	4178279	0.55, 41782	0.40869	0.34273	189.16159	55.36754	23.6452	11.64813	8.35573E-08	4.40E-10	8.4E-08	3.87E-05	7.11E-08	3.87E-05	4.83E-06	3.04E-08	4.86E-06	2.59E-11	7.83E-11	4.53E-11	0	0	0	0	8.4E-08	3.8746E-07	4.86E-06	2.15402E-11	0	1.32325E-11	0
307	570710.6	4178279	0.55, 41782	0.47241	0.42944	202.37611	59.97812	25.29701	13.4468	9.6585E-08	5.52E-10	9.71E-08	4.14E-05	7.71E-08	4.15E-05	5.17E-06	3.25E-08	5.2E-06	3E-11	9.05E-11	5.24E-11	0	0	0	0	9.714E-08	4.1453E-07	5.2E-06	2.49096E-11	0	1.53024E-11	0
308	570750.6	4178279	0.55, 41782	0.52143	0.53099	207.36077	66.44988	28.38204	16.35494	1.06607E-07	6.82E-10	1.07E-07	4.24E-05	8.54E-08	4.25E-05	5.8E-06	3.65E-08	5.84E-06	3.31E-11	1E-10	5.79E-11	0	0	0	0	1.073E-07	4.2481E-07	5.84E-06	2.75131E-11	0	1.69018E-11	0
309	570790.6	4178279	0.55, 41782	0.56782	0.69623	217.33897	75.80804	33.24185	20.36018	1.16092E-07	8.94E-10	1.17E-07	4.44E-05	9.74E-08	4.45E-05	6.8E-06	4.27E-08	6.84E-06	3.61E-11	1.09E-10	6.31E-11	0	0	0	0	1.17E-07	4.4533E-07	6.84E-06	2.99998E-11	0	1.84293E-11	0
310	570830.6	4178279	0.55, 41782	0.62461	0.91706	236.67869	94.57659	34.09074	24.90976	1.27703E-07	1.18E-09	1.29E-07	4.84E-05	1.22E-07	4.85E-05	6.97E-06	4.38E-08	7.01E-06	3.98E-11	1.2E-10	6.95E-11	0	0	0	0	1.289E-07	4.8511E-07	7.01E-06	3.305E-11	0	2.03031E-11	0
311	570870.6	4178279	0.55, 41782	0.74364	1.27032	232.57719	121.10786	38.76287	29.17824	1.52038E-07	1.63E-09	1.54E-07	4.76E-05	1.56E-07	4.77E-05	7.93E-06	4.98E-08	7.97E-06	4.74E-11	1.43E-10	8.29E-11	0	0	0	0	1.537E-07	4.7706E-07	7.97E-06	3.9407E-11	0	2.42084E-11	0
312	570910.6	4178279	0.55, 41782	0.98087	1.94043	289.58181	139.00222	48.26363	45.30681	2.0054E-07	2.49E-09	2.03E-07	5.92E-05	1.79E-07	5.94E-05	9.87E-06	6.20E-08	9.93E-06	6.27E-11	1.89E-10	1.1E-10	0	0	0	0	2.03E-07	5.9384E-07	9.93E-06	5.20656E-11	0	3.19847E-11	0
313	570950.6	4178279	0.55, 41782	1.54705	3.33468	380.89662	209.14004	63.48277	60.99964	3.16297E-07	4.28E-09	3.21E-07	7.79E-05	2.69E-07	7.81E-05	1.3E-05	8.16E-08	1.31E-05	9.89E-11	2.99E-10	1.73E-10	0	0	0	0	3.206E-07	7.8144E-07	1.31E-05	8.22093E-11	0	5.05025E-11	0
314	571150.6	4178279	0.55, 41782	125.5821	15.27099	2183.625	235.47088	1020.3296	115.3363	2.56755E-05	1.96E-08	2.57E-05	0.000446	3.03E-07	0.000447	0.000209	1.31E-06	0.00021	7.93E-09	2.39E-08	1.39E-08	0	0	0	0	2.57E-05	4.4675E-06	0.00021	6.5892E-09	0	4.04786E-09	0
315	571190.6	4178279	0.55, 41782	19.14498	7.50998	704.1647	157.76938	186.41477	61.8786	3.91422E-06	9.65E-09	3.92E-06	0.000144	2.03E-07	0.000144	3.81E-05	2.39E-07	3.84E-05	1.21E-09	3.66E-09	2.12E-09	0	0	0	0	3.924E-06	1.4417E-06	3.84E-05	1.00623E-09	0	6.18144E-10	0
316	571230.6	4178279	0.55, 41782	9.41744	4.44398	418.2482	120.63814	87.01567	39.51148	1.92541E-06	5.71E-09	1.93E-06	8.55E-05	1.55E-07	8.57E-05	1.78E-05	1.12E-07	1.79E-05	5.96E-10	1.8E-09	1.04E-09	0	0	0	0	1.931E-06	8.5667E-07	1.79E-05	4.95213E-10	0	3.04218E-10	0
317	571270.6	4178279	0.55, 41782	5.33507	3.02277	265.61255	99.06709	58.88721	29.56115	1.09076E-06	3.88E-09	1.09E-06	5.43E-05	1.27E-07	5.44E-05	1.2E-05	7.57E-08	1.21E-05	3.38E-10	1.02E-09	5.9E-10	0	0	0	0	1.095E-06	5.4432E-07	1.21E-05	2.8071E-10	0	1.72444E-10	0
318	571310.6	4178279	0.55, 41782	3.44949	2.20529	197.38222	83.78037	42.40574	23.44903	7.05254E-07	2.83E-09	7.08E-07	4.04E-05	1.08E-07	4.05E-05	8.67E-06	5.45E-08	8.72E-06	2.19E-10	6.6E-10	3.82E-10	0	0	0	0	7.081E-07	4.0463E-07	8.72E-06	1.81581E-10	0	1.11548E-10	0
319	571350.6	4178279	0.55, 41782	2.42474	1.67304	164.77993	74.08708	31.82391	19.20475	4.95742E-07	2.15E-09	4.98E-07	3.37E-05	9.52E-08	3.38E-05	6.51E-06	4.09E-08	6.55E-06	1.54E-10	4.64E-10	2.69E-10	0	0	0	0	4.979E-07	3.3785E-07	6.55E-06	1.27678E-10	0	7.8435E-11	0
320	571390.6	4178279	0.55, 41782	1.80332	1.30805	139.62437	66.18564	24.75802	16.07748	3.68692E-07	1.68E-09	3.7E-07	2.85E-05	8.50E-08	2.86E-05	5.06E-06	3.18E-08	5.09E-06	1.14E-10	3.45E-10	2E-10	0	0	0	0	3.704E-07	2.8631E-07	5.09E-06	9.49776E-11	0	5.83463E-11	0
321	571430.6	4178279	0.55, 41782	1.38872	1.04688	120.07885	59.47148	19.78612	13.66223	2.83926E-07	1.34E-09	2.85E-07	2.46E-05	7.64E-08	2.46E-05	4.05E-06	2.54E-08	4.07E-06	8.8E-11	2.66E-10	1.54E-10	0	0	0	0	2.853E-07	2.4627E-07	4.07E-06	7.31544E-11	0	4.494E-11	0
322	571470.6	4178279	0.55, 41782	1.11171	0.86066	104.95004	53.66694	16.34545	11.81303	2.27291E-07	1.11E-09	2.28E-07	2.15E-05	6.89E-08	2.15E-05	3.34E-06	2.10E-08	3.36E-06	7.05E-11	2.13E-10	1.23E-10	0	0	0	0	2.284E-07	2.1526E-07	3.36E-06	5.85697E-11	0	3.59803E-11	0
323	571510.6	4178279	0.55, 41782	0.90331	0.71725	92.95227	48.50847	13.70064	10.27697	1.84683E-07	9.21E-10	1.86E-07	1.9E-05	6.23E-08	1.91E-05	2.8E-06	1.76E-08	2.82E-06	5.73E-11	1.73E-10	1E-10	0	0	0	0	1.856E-07	1.9067E-07	2.82E-06	4.75962E-11	0	2.92391E-11	0
324	571550.6	4178279	0.55, 41782	0.74685	0.60641	83.35854	43.88956	11.6678	9.00306	1.52695E-07	7.79E-10	1.53E-07	1.7E-05	5.64E-08	1.71E-05	2.39E-06	1.50E-08	2.4E-06	4.74E-11	1.43E-10	8.28E-11	0	0	0	0	1.535E-07	1.7099E-07	2.4E-06	3.93566E-11	0	2.41774E-11	0
325	571590.6	4178279	0.55, 41782	0.63093	0.52161	75.57295	41.1264	10.11638	7.96472	1.28995E-07	6.70E-10	1.3E-07	1.55E-05	5.28E-08	1.55E-05	2.07E-06	1.30E-08	2.08E-06	4E-11	1.21E-10	6.99E-11	0	0	0	0	1.297E-07	1.5504E-07	2.08E-06	3.3251E-11	0	2.04266E-11	0
326	570310.6	4178319	0.55, 41783	0.1112	0.07908	65.67409	25.12162	10.72274	3.92383	2.2735E-08	1.02E-10	2.28E-08	1.34E-05	3.23E-08	1.35E-05	2.19E-06	1.38E-08	2.21E-06	7.05E-12	2.13E-11	1.23E-11	0	0	0	0	2.284E-08	1.3459E-07	2.21E-06	5.85619E-12	0	3.59755E-12	0
327	570350.6	4178319	0.55, 41783	0.12381	0.08915	72.99363	26.3644	10.96785	4.13077	2.53132E-08	1.15E-10	2.54E-08	1.49E-05	3.39E-08	1.5E-05	2.24E-06	1.41E-08	2.26E-06	7.85E-12	2.37E-11	1.37E-11	0	0	0	0	2.543E-08	1.4958E-07	2.26E-06	6.52064E-12	0	4.00573E-12	0
328	570390.6	4178319	0.55, 41783	0.13907	0.1015	85.61577	27.73961	11.84211	4.3586	2.84331E-08	1.30E-10	2.86E-08	1.75E-05	3.56E-08	1.75E-05	2.42E-06	1.52E-08	2.44E-06	8.81E-12	2.66E-11	1.54E-11	0	0	0	0	2.856E-08	1.754E-07	2.44E-06	7.32477E-12	0	4.49973E-12	0
329	570430.6	4178319	0.55, 41783	0.15783	0.11689	97.99246	29.27563	13.47747	4.61214	3.22686E-08	1.50E-10	3.24E-08	2E-05	3.76E-08	2.01E-05	2.76E-06	1.73E-08	2.77E-06	1E-11	3.02E-11	1.75E-11	0	0	0	0	3.242E-08	2.0072E-07	2.77E-06	8.31342E-12	0	5.10707E-12	0
330	570470.6	4178319	0.55, 41783	0.18134	0.13633	108.90086	31.01454	14.92794	4.89871	3.70753E-08	1.75E-10	3.73E-08	2.23E-05	3.98E-08	2.23E-05	3.05E-06	1.92E-08	3.07E-06	1.15E-11	3.47E-11	2.01E-11	0	0	0	0	3.725E-08	2.2305E-07	3.07E-06	9.55243E-12	0	5.86821E-12	0
331	570510.6	4178319	0.55, 41783	0.21129	0.16124	118.40452	33.29424	15.9306	5.40834	4.31986E-08	2.07E-10	4.34E-08	2.42E-05	4.28E-08	2.43E-05	3.26E-06	2.05E-08	3.28E-06	1.34E-11	4.04E-11	2.34E-11	0	0	0	0	4.341E-08	2.4251E-07	3.28E-06	1.11309E-11	0	6.83789E-12	0
332	570550.6	4178319	0.55, 41783	0.2503	0.19368	153.9338	39.94632	19.24172	6.62991	5.11742E-08	2.49E-10	5.14E-08	3.15E-05	5.13E-08	3.15E-05	3.93E-06	2.47E-08	3.96E-06	1.59E-11	4.79E-11	2.77E-11	0	0	0	0	5.142E-08	3.1523E-07	3.96E-06	1.31868E-11	0	8.1009E-12	0
333	570590.6	4178319	0.55, 41783	0.30196	0.23671	186.54438	46.61587	23.31805	7.76931	6.17362E-08	3.04E-10	6.2E-08	3.81E-05	5.99E-08	3.82E-05	4.77E-06	3.00E-08	4.8E-06	1.91E-11	5.78E-11	3.35E-11	0	0	0	0	6.204E-08	3.8199E-07	4.8E-06	1.59095E-11	0	9.77348E-12	0
334	570630.6	4178319	0.55, 41783	0.37105	0.29503	205.0145	52.79857	25.62681	8.79976	7.58618E-08	3.79E-10	7.62E-08	4.19E-05	6.78E-08	4.2E-05	5.24E-06	3.29E-08	5.27E-06	2.35E-11	7.1E-11	4.11E-11	0	0	0	0	7.624E-08	4.1983E-07	5.27E-06	1.95511E-11	0	1.20105E-11	0
335	570670.6	4178319	0.55, 41783	0.462	0.37572	218.45656	59.57781	27.30707	11.98561	9.44566E-08	4.83E-10	9.49E-08	4.47E-05	7.65E-08	4.47E-05	5.58E-06	3.51E-08	5.62E-06	2.93E-11	8.85E-11	5.12E-11	0	0	0	0	9.494E-08	4.474E-07	5.62E-06	2.43461E-11	0	1.49562E-11	0
336	570710.6	4178319	0.55, 41783	0.57218	0.48827	242.44958	66.62286	30.3062	15.15553	1.16983E-07	6.27E-10	1.18E-07	4.96E-05	8.56E-08	4.97E-05	6.2E-06	3.89E-08	6.24E-06	3.63E-11	1.1E-10	6.34E-11	0	0	0	0	1.176E-07	4.9655E-07	6.24E-06	3.01598E-11	0	1.85277E-11	0
337	570750.6	4178319	0.55, 41783	0.67767	0.63416	262.41203	72.71034	32.8015	17.84948	1.38551E-07	8.15E-10	1.39E-07	5.37E-05	9.34E-08	5.37E-05	6.71E-06	4.21E-08	6.75E-06	4.3E-11	1.3E-10	7.52E-11	0	0	0	0	1.394E-07	5.3744E-07	6.75E-06	3.57387E-11	0	2.19548E-11	0
338	570790.6	4178319	0.55, 41783	0.76041	0.85502	285.66779	86.45349	42.9347	23.67926	1.55467E-07	1.10E-09	1.57E-07	5.84E-05	1.11E-07	5.85E-05	8.78E-06	5.52E-08	8.83E-06	4.83E-11	1.46E-10	8.44E-11	0	0	0	0	1.566E-07	5.8516E-07	8.83E-06	4.01494E-11	0	2.46644E-11	0
339	570830.6	4178319	0.55, 41783	0.82107	1.23378	302.59427	109.05103	45.07728	29.79255	1.67869E-07	1.59E-09	1.69E-07	6.19E-05	1.40E-07	6.2E-05	9.22E-06	5.79E-08	9.27E-06	5.23E-11	1.58E-10	9.14E-11	0	0	0	0	1.695E-07	6.2006E-07	9.27E-06	4.34546E-11	0	2.66948E-11	0
340	570870.6	4178319	0.55, 41783	0.93174	1.8881	263.71888	150.69846	37.23183	42.82711	1.90496E-07	2.43E-09	1.93E-07	5.39E-05	1.94E-07	5.41E-05	7.61E-06	4.78E-08	7.66E-06	5.95E-11	1.8E-10	1.04E-10	0	0	0	0	1.929E-07	5.4111E-07	7.66E-06	4.94725E-11	0	3.03917E-11	0
341	570910.6	4178319	0.55, 41783	1.19482	3.5981	225.26352	195.84246	37.31993	59.22953	2.44283E-07	4.62E-09	2.49E-07	4.61E-05	2.52E-07	4.63E-05	7.63E-06	4.79E-08	7.68E-06	7.68E-11	2.32E-10	1.34E-10	0	0	0	0	2.489E-07	4.6307E-07	7.68E-06	6.38289E-11	0	3.92112E-11	0
342	571190.6	4178319	0.55, 41783	29.13102	9.74239	1204.46355	192.40018	337.10397	86.14095	5.95588E-06	1.25E-08	5.97E-06	0.000246	2.47E-07	0.000247	6.89E-05	4.33E-07	6.94E-05	1.84E-09	5.56E-09	3.22E-09	0	0	0	0	5.968E-06	2.465E-06	6.94E-05	1.53053E-09	0	9.40228E-10	0
343	571230.6	4178319	0.55, 41783	10.45163	5.25398	479.33008	117.37647	126.19986	44.06446	2.13685E-06	6.75E-09	2.14E-06	9.8E-05	1.51E-07	9.82E-05	2.58E-05	1.62E-07	2.6E-05	6.61E-10	2E-09	1.16E-09	0	0	0	0	2.144E-06	9.8151E-07	2.6E-05	5.49702E-10	0	3.37691E-10	0
344	571270.6	4178319	0.55, 41783	5.72808	3.4301	292.22118	96.9874	63.79547	33.00222	1.17112E-06	4.41E-09	1.18E-06	5.97E-05	1.25E-07	5.99E-05	1.3E-05	8.20E-08	1.31E-05	3.63E-10	1.1E-09	6.34E-10	0	0	0	0	1.176E-06	5.987E-07	1.31E-05	3.01449E-10	0	1.85185E-10	0
345	571310.6	4178319	0.55, 41783	3.67711	2.43151	175.48484	83.52768	43.52526	25.92364	7.51791E-07	3.12E-09	7.55E-07	3.59E-05	1.07E-07	3.6E-05	8.9E-06	5.59E-08	8.95E-06	2.33E-10	7.03E-10	4.07E-10	0	0	0	0	7.549E-07	3.5985E-07	8.95E-06	1.93589E-10	0	1.18925E-10	0
346	571350.6	4178319	0.55, 41783	2.57847	1.81872	135.74456	73.58424	31.86463	21.08438	5.27172E-07	2.34E-09	5.3E-07	2.78E-05	9.45E-08	2.78E-05	6.51E-06	4.09E-08	6.56E-06	1.63E-10	4.93E-10	2.86E-10	0	0	0	0	5.295E-07	2.7848E-07	6.56E-06	1.35786E-10	0	8.34158E-11	0
347	571390.6	4178319	0.55, 41783	1.91038	1.41202	114.67965	65.84745	24.95277	17.54375	3.9058E-07	1.81E-09	3.92E-07	2.34E-05	8.46E-08	2.35E-05	5.1E-06	3.21E-08	5.13E-06	1.21E-10	3.66E-10	2.12E-10	0	0	0	0	3.924E-07	2.3531E-07	5.13E-06	1.00625E-10	0	6.18156E-11	0
348	571430.6	4178319	0.55, 41783	1.47151	1.12853	100.57811	59.61061	20.18585	14.84739	3.00853E-07	1.45E-09	3.02E-07	2.06E-05	7.66E-08	2.06E-05	4.13E-06	2.59E-08	4.15E-06	9.33E-11	2.82E-10	1.63E-10	0	0	0	0	3.023E-07	2.064E-07	4.15E-06	7.7522E-11	0	4.7623E-11	0
349	571470.6	4178319	0.55, 41783	1.16585	0.92218	90.09229	54.43044	16.69193	12.71837	2.3836E-07	1.18E-09	2.4E-07	1.84E-05	6.99E-08	1.85E-05	3.41E-06	2.14E-08	3.43E-06	7.39E-11	2.23E-10	1.29E-10	0	0	0	0	2.395E-07	1.8489E-07	3.43E-06	6.14284E-11	0	3.77365E-11	0
350	571510.6	4178319	0.55, 41783	0.94595	0.76805	81.52103	50.05282	14.06823	11.00608	1.93401E-07	9.87E-10	1.94E-07	1.67E-05	6.43E-08	1.67E-05	2.88E-06	1.81E-08	2.89E-06	6E-11	1.81E-10	1.05E-10	0	0	0	0	1.944E-07	1.6731E-07	2.89E-06	4.98485E-11	0	3.06227E-11	0
351	571550.6	4178319	0.55, 41783	0.78212	0.64956	74.38547	46.28731	12.02264	9.59923	1.59906E-07	8.35E-10	1.61E-07	1.52E-05	5.95E-08	1.53E-05	2.46E-06	1.54E-08	2.47E-06	4.96E-11	1.5E-10	8.67E-11	0	0	0	0	1.607E-07	1.5268E-07	2.47E-06	4.122E-11	0	2.53221E-11	0
352	571590.6	4178319	0.55, 41783	0.65442	0.55508	68.29245	42.98116	10.3334	8.40789	1.33797E-07	7.13E-10	1.35E-07	1.4E-05	5.52E-08	1.4E-05	2.11E-06	1.33E-08	2.13E-06	4.15E-11	1.25E-10	7.26E-11	0	0	0	0	1.345E-07	1.4018E-07	2.13E-06	3.44936E-11	0	2.119E-11	0
353	570310.6	4178359	0.55, 41783	0.11229	0.07993	69.29068	26.58817	11.54845	4.0095	2.29579E-08	1.03E-10	2.31E-08	1.42E-05	3.42E-08	1.42E-05	2.36E-06	1.48E-08	2.38E-06	7.12E-12	2.15E-11	1.24E-11	0	0	0	0	2.306E-08	1.4201E-07	2.38E-06	5.91361E-12	0	3.63283E-12	0
354	570350.6	4178359	0.55, 41783	0.12531	0.09043	75.30937	28.06345	12.55156	4.25756	2.56198E-08	1.16E-10	2.57E-08	1.54E-05	3.61E-08	1.54E-05	2.57E-06	1.61E-08	2.58E-06	7.94E-12	2.4E-11	1.39E-11	0	0	0	0	2.574E-08	1.5433E-07	2.58E-06	6.5997E-12	0	4.0543E-12	0
355	570390.6	4178359	0.55, 41783	0.14084	0.10296	81.29058	29.71471	13.54843	4.53386	2.8795E-08	1.32E-10	2.89E-08	1.66E-05	3.82E-08	1.67E-05	2.77E-06	1.74E-08	2.79E-06	8.93E-12	2.7E-11	1.56E-11	0	0	0	0	2.893E-08	1.6658E-07	2.79E-06	7.41806E-12	0	4.55703E-12	0
356	570430.6	4178359	0.55, 41783	0.15989	0.11858	87.11605	31.54887	14.51934	4.83992	3.26898E-08	1.52E-10	3.28E-08	1.78E-05	4.05E-08	1.79E-05	2.97E-06	1.87E-08	2.99E-06	1.01E-11	3.06E-11	1.77E-11	0	0	0	0	3.284E-08	1.7852E-07	2.99E-06	8.42198E-12	0	5.17376E-12	0
357	570470.6	4178359	0.55, 41783	0.18374	0.13844	97.3598	33.59814	15.36354	5.1813	3.75659E-08	1.78E-10	3.77E-08	1.99E-05	4.32E-08	1.99E-05	3.14E-06	1.97E-08	3.16E-06	1.16E-11	3.52E-11	2.04E-11	0	0	0	0	3.774E-08	1.9949E-07	3.16E-06	9.67896E-12	0	5.94594E-12	0
358	570510.6	4178359	0.55, 41783	0.21432	0.16421	118.04415	35.93263	16.48105	5.5698	4.38181E-08	2.11E-10	4.4E-08	2.41E-05	4.62E-08	2.42E-05	3.37E-06	2.12E-08	3.39E-06	1.36E-11	4.1E-11	2.37E-11	0	0	0	0	4.403E-08	2.418E-07	3.39E-06	1.12907E-11	0	6.93608E-12	0
359	570550.6	4178359	0.55, 41783	0.25472	0.19842	139.50155	38.63371	19.4148	6.01971	5.20779E-08	2.55E-10	5.23E-08	2.85E-05	4.96E-08	2.86E-05	3.97E-06	2.49E-08	3.99E-06	1.61E-11	4.88E-11	2.82E-11	0	0	0	0	5.233E-08	2.8571E-07	3.99E-06	1.34201E-11	0	8.24421E-12	0
360	570590.6	4178359	0.55, 41783	0.30979	0.24497	159.83108	41.83842	22.23989	6.84975	6.33371E-08	3.15E-10	6.37E-08	3.27E-05	5.38E-08	3.27E-05	4.55E-06	2.86E-08	4.58E-06	1.96E-11	5.93E-11	3.43E-11	0	0	0	0	6.365E-08	3.2731E-07	4.58E-06	1.63228E-11	0	1.00273E-11	0
361	570630.6	4178359	0.55, 41783	0.38734	0.31015	206.43147	51.05257	25.80393	8.50876	7.91923E-08	3.98E-10	7.96E-08	4.22E-05	6.56E-08	4.23E-05	5.28E-06	3.32E-08	5.31E-06	2.46E-11	7.42E-11	4.29E-11	0	0	0	0	7.959E-08	4.2271E-07	5.31E-06	2.04101E-11	0	1.25383E-11	0
362	570670.6	4178359	0.55, 41783	0.50063	0.40488	262.98595	60.70684	32.87324	10.74505	1.02355E-07	5.20E-10	1.03E-07	5.38E-05	7.80E-08	5.38E-05	6.72E-06	4.22E-08	6.76E-06	3.17E-11	9.59E-11	5.55E-11	0	0	0	0	1.029E-07	5.3846E-07	6.76E-06	2.6381E-11	0	1.62063E-11	0
363	570710.6	4178359	0.55, 41783	0.66972	0.54814	304.17814	72.14807	38.02227	15.71205	1.36925E-07	7.04E-10	1.38E-07	6.22E-05	9.27E-08	6.23E-05	7.77E-06	4.88E-08	7.82E-06	4.25E-11	1.28E-10	7.42E-11	0	0	0	0	1.376E-07	6.2282E-07	7.82E-06	3.52935E-11	0	2.16814E-11	0
364	570750.6	4178359	0.55, 41783	0.90523	0.76876	339.35657	85.82023	44.72327	21.31802	1.85076E-07	9.88E-10	1.86E-07	6.94E-05	1.10E-07	6.95E-05	9.14E-06	5.75E-08	9.2E-06	5.74E-11	1.73E-10	1E-10	0	0	0	0	1.861E-07	6.9492E-07	9.2E-06	4.77138E-11	0	2.93114E-11	0
365	570790.6	4178359	0.55, 41783	1.13154	1.06104	377.53193	96.31599	54.94081	27.90141	2.31345E-07	1.36E-09	2.33E-07	7.72E-05	1.24E-07	7.73E-05	1.12E-05	7.06E-08	1.13E-05	7.18E-11	2.17E-10	1.26E-10	0	0	0	0	2.327E-07	7.7311E-07	1.13E-05	5.96754E-11	0	3.66595E-11	0
366	570830.6	4178359	0.55, 41783	1.33226	1.74963	411.58415	139.14147	69.46909	37.35577	2.72383E-07	2.25E-09	2.75E-07	8.41E-05	1.79E-07	8.43E-05	1.42E-05	8.93E-08	1.43E-05	8.47E-11	2.56E-10	1.48E-10	0	0	0	0	2.746E-07	8.4328E-07	1.43E-05	7.04258E-11	0	4.32637E-11	0
367	570870.6	4178359	0.55, 41783	1.45984	3.38436	346.78431	184.49712	52.43952	61.49528	2.98467E-07	4.35E-09	3.03E-07	7.09E-05	2.37E-07	7.11E-05	1.07E-05	6.74E-08	1.08E-05	9.34E-11	2.82E-10	1.63E-10	0	0	0	0	3.028E-07	7.1138E-07	1.08E-05	7.76533E-11	0	4.77037E-11	0
368	571150.6	4178359	0.55, 41783	17.36196	17.82412	1537.79423	258.8776	350.34789	128.93656	3.54968E-06	2.29E-08	3.57E-06	0.000314	3.33E-07	0.000315	7.16E-05	4.50E-07	7.21E-05	1.1E-09	3.33E-09	1.93E-09	0	0	0	0	3.573E-06	3.1474E-06	7.21E-05	9.16147E-10	0	5.62804E-10	0
369	571190.6	4178359	0.55, 41783	10.35157	8.16971	590.93034	162.31709	161.82999	76.08872	2.1164E-06	1.05E-08	2.13E-06	0.000121	2.09E-07	0.000121	3.31E-05	2.08E-07	3.33E-05	6.56E-10	1.98E-09	1.15E-09	0	0	0	0	2.127E-06	1.2103E-06	3.33E-05	5.45417E-10	0	3.35058E-10	0
370	571230.6	4178359	0.55, 41783	6.41954	4.85697	429.96716	118.18476	103.83364	47.29307	1.31249E-06	6.24E-09	1.32E-06	8.79E-05	1.52E-07	8.81E-05	2.12E-05	1.33E-07	2.14E-05	4.07E-10	1.23E-09	7.11E-10	0	0	0	0	1.319E-06	8.8059E-07	2.14E-05	3.38172E-10	0	2.07744E-10	0
371	571270.6	4178359	0.55, 41783	4.24607	3.28764	330.34534	97.41521	71.25122	30.79427	8.68116E-07	4.22E-09	8.72E-07	6.75E-05	1.25E-07	6.77E-05	1.46E-05	9.15E-08	1.47E-05	2.69E-10	8.13E-10	4.71E-10	0	0	0	0	8.723E-07	6.7665E-07	1.47E-05	2.23701E-10	0	1.37423E-10	0
372	571310.6	4178359	0.55, 41783	3.01802	2.39332	280.32399	84.30249	47.38187	23.6076	6.17039E-07	3.07E-09	6.2E-07	5.73E-05	1.08E-07	5.74E-05	9.69E-06	6.09E-08	9.75E-06	1.91E-10	5.78E-10	3.34E-10	0	0	0	0	6.201E-07	5.7421E-07	9.75E-06	1.59021E-10	0	9.76892E-11	0
373	571350.6	4178359	0.55, 41783	2.25439	1.82521	223.1696	75.03337	32.74083	19.24184	4.60914E-07	2.34E-09	4.63E-07	4.56E-05	9.64E-08	4.57E-05	6.69E-06	4.21E-08	6.74E-06	1.43E-10	4.32E-10	2.5E-10	0	0	0	0	4.633E-07	4.5724E-07	6.74E-06	1.18797E-10	0	7.29791E-11	0
374	571390.6	4178359	0.55, 41783	1.7395	1.43625	164.0034	68.00709	25.39154	16.17569	3.55644E-07	1.85E-09	3.57E-07	3.35E-05	8.74E-08	3.36E-05	5.19E-06	3.26E-08	5.22E-06	1.1E-10	3.33E-10	1.93E-10	0	0	0	0	3.575E-07	3.3618E-07	5.22E-06	9.16738E-11	0	5.63167E-11	0
375	571430.6	4178359	0.55, 41783	1.37666	1.15767	113.66708	62.41604	21.33563	13.79366	2.8146E-07	1.49E-09	2.83E-07	2.32E-05	8.02E-08	2.33E-05	4.36E-06	2.74E-08	4.39E-06	8.73E-11	2.64E-10	1.53E-10	0	0	0	0	2.829E-07	2.332E-07	4.39E-06	7.25586E-11	0	4.4574E-11	0
376	571470.6	4178359	0.55, 41783	1.11313	0.95193	91.64258	57.80687	17.74486	11.89568	2.27581E-07	1.22E-09	2.29E-07	1.87E-05	7.43E-08	1.88E-05	3.63E-06	2.28E-08	3.65E-06	7.06E-11	2.13E-10	1.23E-10	0	0	0	0	2.288E-07	1.8811E-07	3.65E-06	5.86742E-11	0	3.60445E-11	0
377	571510.6	4178359	0.55, 41783	0.9166	0.79605	82.11168	53.90312	14.64829	10.35284	1.874E-07	1.02E-09	1.88E-07	1.68E-05	6.93E-08	1.69E-05	2.99E-06	1.88E-08	3.01E-06	5.81E-11	1.76E-10	1.02E-10	0	0	0	0	1.884E-07	1.6857E-07	3.01E-06	4.83189E-11	0	2.96831E-11	0
378	571550.6	4178359	0.55, 41783	0.76622	0.67498	72.9064	50.52239	12.13868	9.07968	1.56655E-07	8.67E-10	1.58E-07	1.49E-05	6.49E-08	1.5E-05	2.48E-06	1.56E-08	2.5E-06	4.86E-11	1.47E-10	8.5E-11	0	0	0	0	1.575E-07	1.4971E-07	2.5E-06	4.03947E-11	0	2.48151E-11	0
379	571590.6	4178359	0.55, 41783	0.64386	0.57575	65.94968	47.48497	10.99161	8.00686	1.31638E-07	7.40E-10	1.32E-07	1.35E-05	6.10E-08	1.35E-05	2.25E-06	1.41E-08	2.26E-06	4.08E-11	1.23E-10	7.14E-11	0	0	0	0	1.324E-07	1.3545E-07	2.26E-06	3.39468E-11	0	2.08541E-11	0
380	570310.6	4178399	0.55, 41783	0.11287	0.08031	71.34246	27.87564	11.89041	3.82503	2.30765E-08	1.03E-10	2.32E-08	1.46E-05	3.58E-08	1.46E-05	2.43E-06	1.53E-08	2.45E-06	7.15E-12	2.16E-11	1.25E-11	0	0	0	0	2.318E-08	1.4622E-07	2.45E-06	5.94415E-12	0	3.65159E-12	0
381	570350.6	4178399	0.55, 41783	0.12665	0.09175	75.96419	29.57043	12.46202	4.12173	2.58938E-08	1.18E-10	2.6E-08	1.55E-05	3.80E-08	1.56E-05	2.55E-06	1.60E-08	2.56E-06	8.03E-12	2.42E-11	1.4E-11	0	0	0	0	2.601E-08	1.5569E-07	2.56E-06	6.67039E-12	0	4.09773E-12	0
382	570390.6	4178399	0.55, 41783	0.1425	0.10434	83.29233	31.439	13.04897	4.44958	2.91344E-08	1.34E-10	2.93E-08	1.7E-05	4.04E-08	1.71E-05	2.67E-06	1.68E-08	2.68E-06	9.03E-12	2.73E-11	1.58E-11	0	0	0	0	2.927E-08	1.707E-07	2.68E-06	7.50554E-12	0	4.61078E-12	0
383	570430.6	4178399	0.55, 41783	0.16211	0.12032	91.32735	33.521	14.59534	4.81492	3.31437E-08	1.55E-10	3.33E-08	1.87E-05	4.31E-08	1.87E-05	2.98E-06	1.88E-08	3E-06	1.03E-11	3.1E-11	1.8E-11	0	0	0	0	3.33E-08	1.8715E-07	3E-06	8.53894E-12	0	5.24561E-12	0
384	570470.6	4178399	0.55, 41783	0.18668	0.14051	100.43451	35.89015	16.57018	5.22899	3.8167E-08	1.81E-10	3.83E-08	2.05E-05	4.61E-08	2.06E-05	3.39E-06	2.13E-08	3.41E-06	1.18E-11	3.57E-11	2.07E-11	0	0	0	0	3.835E-08	2.058E-07	3.41E-06	9.83378E-12	0	6.04105E-12	0
385	570510.6	4178399	0.55, 41783	0.21834	0.16684	112.76596	38.62084	18.79433	5.70408	4.464E-08	2.14E-10	4.49E-08	2.31E-05	4.96E-08	2.31E-05	3.84E-06	2.41E-08	3.87E-06	1.38E-11	4.18E-11	2.42E-11	0	0	0	0	4.485E-08	2.3105E-07	3.87E-06	1.15024E-11	0	7.06609E-12	0
386	570550.6	4178399	0.55, 41783	0.26039	0.20212	127.75395	41.82578	21.29232	6.25899	5.32372E-08	2.60E-10	5.35E-08	2.61E-05	5.37E-08	2.62E-05	4.35E-06	2.74E-08	4.38E-06	1.65E-11	4.98E-11	2.89E-11	0	0	0	0	5.35E-08	2.6173E-07	4.38E-06	1.37186E-11	0	8.42758E-12	0
387	570590.6	4178399	0.55, 41783	0.3185	0.25095	144.10526	45.67081	24.01754	7.17597	6.51178E-08	3.22E-10	6.54E-08	2.95E-05	5.87E-08	2.95E-05	4.91E-06	3.09E-08	4.94E-06	2.02E-11	6.1E-11	3.53E-11	0	0	0	0	6.544E-08	2.9521E-07	4.94E-06	1.67814E-11	0	1.03091E-11	0
388	570630.6	4178399	0.55, 41783	0.40291	0.32135	177.65061	50.39519	27.05917	8.74903	8.23756E-08	4.13E-10	8.28E-08	3.63E-05	6.47E-08	3.64E-05	5.53E-06	3.48E-08	5.57E-06	2.55E-11	7.71E-11	4.47E-11	0	0	0	0	8.279E-08	3.6386E-07	5.57E-06	2.12301E-11	0	1.3042E-11	0
389	570670.6	4178399	0.55, 41783	0.53348	0.4284	224.79663	56.41372	32.60934	10.76331	1.09071E-07	5.50E-10	1.1E-07	4.6E-05	7.25E-08	4.6E-05	6.67E-06	4.19E-08	6.71E-06	3.38E-11	1.02E-10	5.91E-11	0	0	0	0	1.096E-07	4.6033E-07	6.71E-06	2.81111E-11	0	1.72691E-11	0
390	570710.6	4178399	0.55, 41783	0.75271	0.60288	297.96202	70.92072	41.13122	14.0152	1.53893E-07	7.75E-10	1.55E-07	6.09E-05	9.11E-08	6.1E-05	8.41E-06	5.28E-08	8.46E-06	4.77E-11	1.44E-10	8.34E-11	0	0	0	0	1.547E-07	6.101E-07	8.46E-06	3.96626E-11	0	2.43654E-11	0
391	570750.6	4178399	0.55, 41783	1.15447	0.90762	416.42427	90.04322	52.05303	22.1169	2.36033E-07	1.17E-09	2.37E-07	8.51E-05	1.16E-07	8.53E-05	1.06E-05	6.69E-08	1.07E-05	7.32E-11	2.21E-10	1.28E-10	0	0	0	0	2.372E-07	8.5254E-07	1.07E-05	6.0827E-11	0	3.7367E-11	0
392	570790.6	4178399	0.55, 41783	1.70092	1.35462	632.44551	121.09647	79.05569	31.00919	3.47756E-07	1.74E-09	3.49E-07	0.000129	1.56E-07	0.000129	1.62E-05	1.02E-07	1.63E-05	1.08E-10	3.26E-10	1.89E-10	0	0	0	0	3.495E-07	1.2946E-06	1.63E-05	8.96242E-11	0	5.50576E-11	0
393	570830.6	4178399	0.55, 41783	3.46088	2.976	854.46592	185.76652	157.19416	64.23703	7.07583E-07	3.82E-09	7.11E-07	0.000175	2.39E-07	0.000175	3.21E-05	2.02E-07	3.23E-05	2.2E-10	6.63E-10	3.84E-10	0	0	0	0	7.114E-07	1.7494E-06	3.23E-05	1.82432E-10	0	1.12071E-10	0
394	571110.6	4178399	0.55, 41783	4.7766	17.70794	386.44752	237.89657	91.74551	117.26543	9.76584E-07	2.28E-08	9.99E-07	7.9E-05	3.06E-07	7.93E-05	1.88E-05	1.18E-07	1.89E-05	3.08E-10	9.31E-10	5.39E-10	0	0	0	0	9.993E-07	7.9315E-07	1.89E-05	2.56268E-10	0	1.57429E-10	0
395	571150.6	4178399	0.55, 41783	4.75682	9.04164	493.27775	194.83019	91.47407	80.27894	9.7254E-07	1.16E-08	9.84E-07	0.000101	2.50E-07	0.000101	1.87E-05	1.18E-07	1.88E-05	3.04E-10	9.17E-10	5.31E-10	0	0	0	0	9.842E-07	1.011E-06	1.88E-05	2.52375E-10	0	1.55038E-10	0
396	571190.6	4178399	0.55, 41783	4.13591	5.67532	541.83424	159.29594	82.25115	55.55038	8.45593E-07	7.29E-09	8.53E-07	0.000111	2.05E-07	0.000111	1.68E-05	1.06E-07	1.69E-05	2.63E-10	7.95E-10	4.6E-10	0	0	0	0	8.529E-07	1.1098E-06	1.69E-05	2.18712E-10	0	1.34359E-10	0
397	571230.6	4178399	0.55, 41783	3.34043	3.91116	419.25179	113.41297	67.92735	42.50701	6.82956E-07	5.02E-09	6.88E-07	8.57E-05	1.46E-07	8.59E-05	1.39E-05	8.73E-08	1.4E-05	2.12E-10	6.41E-10	3.71E-10	0	0	0	0	6.88E-07	8.5862E-07	1.4E-05	1.76425E-10	0	1.08381E-10	0
398	571270.6	4178399	0.55, 41783	2.69096	2.84934	276.99568	96.24025	46.4546	32.10306	5.50171E-07	3.66E-09	5.54E-07	5.66E-05	1.24E-07	5.68E-05	9.5E-06	5.97E-08	9.56E-06	1.71E-10	5.16E-10	2.99E-10	0	0	0	0	5.538E-07	5.6756E-07	9.56E-06	1.42024E-10	0	8.72475E-11	0
399	571310.6	4178399	0.55, 41783	2.15304	2.16763	240.01182	84.08056	39.08125	24.00367	4.40193E-07	2.78E-09	4.43E-07	4.91E-05	1.08E-07	4.92E-05	7.99E-06	5.02E-08	8.04E-06	1.37E-10	4.13E-10	2.39E-10	0	0	0	0	4.43E-07	4.9179E-07	8.04E-06	1.13596E-10	0	6.97841E-11	0
400	571350.6	4178399	0.55, 41783	1.74135	1.70512	224.12525	73.73672	31.06226	18.34101	3.56022E-07	2.19E-09	3.58E-07	4.58E-05	9.47E-08	4.59E-05	6.35E-06	3.99E-08	6.39E-06	1.11E-10	3.34E-10	1.93E-10	0	0	0	0	3.582E-07	4.5918E-07	6.39E-06	9.18594E-11	0	5.64307E-11	0
401	571390.6	4178399	0.55, 41783	1.43215	1.37481	207.21833	64.01827	26.21992	15.02288	2.92805E-07	1.77E-09	2.95E-07	4.24E-05	8.22E-08	4.24E-05	5.36E-06	3.37E-08	5.39E-06	9.09E-11	2.74E-10	1.59E-10	0	0	0	0	2.946E-07	4.2448E-07	5.39E-06	7.55395E-11	0	4.64051E-11	0
402	571430.6	4178399	0.55, 41783	1.19016	1.12906	179.9524	59.14274	22.49405	12.88734	2.4333E-07	1.45E-09	2.45E-07	3.68E-05	7.60E-08	3.69E-05	4.6E-06	2.89E-08	4.63E-06	7.55E-11	2.28E-10	1.32E-10	0	0	0	0	2.448E-07	3.6868E-07	4.63E-06	6.27712E-11	0	3.85613E-11	0
403	571470.6	4178399	0.55, 41783	0.9966	0.93995	146.8642	55.47011	18.35802	11.23121	2.03756E-07	1.21E-09	2.05E-07	3E-05	7.13E-08	3.01E-05	3.75E-06	2.36E-08	3.78E-06	6.32E-11	1.91E-10	1.11E-10	0	0	0	0	2.05E-07	3.0098E-07	3.78E-06	5.25607E-11	0	3.22889E-11	0
404	571510.6	4178399	0.55, 41783	0.8441	0.79417	113.63796	52.27286	14.20474	9.85599	1.72578E-07	1.02E-09	1.74E-07	2.32E-05	6.72E-08	2.33E-05	2.9E-06	1.82E-08	2.92E-06	5.36E-11	1.62E-10	9.36E-11	0	0	0	0	1.736E-07	2.3301E-07	2.92E-06	4.45172E-11	0	2.73476E-11	0
405	571550.6	4178399	0.55, 41783	0.71988	0.67749	84.04695	49.45688	12.59546	8.65245	1.47181E-07	8.70E-10	1.48E-07	1.72E-05	6.35E-08	1.72E-05	2.58E-06	1.62E-08	2.59E-06	4.57E-11	1.38E-10	7.99E-11	0	0	0	0	1.481E-07	1.7247E-07	2.59E-06	3.7966E-11	0	2.33231E-11	0
406	571590.6	4178399	0.55, 41783	0.61846	0.58359	61.25343	46.95039	11.31778	7.65227	1.26445E-07	7.50E-10	1.27E-07	1.25E-05	6.03E-08	1.26E-05	2.31E-06	1.45E-08	2.33E-06	3.92E-11	1.19E-10	6.86E-11	0	0	0	0	1.272E-07	1.2584E-07	2.33E-06	3.26177E-11	0	2.00376E-11	0
407	570310.6	4178439	0.55, 41784	0.11265	0.08111	78.47962	27.91467	13.07994	3.48933	2.30315E-08	1.04E-10	2.31E-08	1.6E-05	3.59E-08	1.61E-05	2.67E-06	1.68E-08	2.69E-06	7.14E-12	2.16E-11	1.25E-11	0	0	0	0	2.314E-08	1.6081E-07	2.69E-06	5.93288E-12	0	3.64466E-12	0
408	570350.6	4178439	0.55, 41784	0.12585	0.09139	84.54471	29.62734	14.09078	3.70342	2.57302E-08	1.17E-10	2.58E-08	1.73E-05	3.81E-08	1.73E-05	2.88E-06	1.81E-08	2.9E-06	7.98E-12	2.41E-11	1.39E-11	0	0	0	0	2.585E-08	1.7323E-07	2.9E-06	6.62833E-12	0	4.07189E-12	0
409	570390.6	4178439	0.55, 41784	0.14252	0.10489	91.50908	31.67143	15.25151	4.06451	2.91384E-08	1.35E-10	2.93E-08	1.87E-05	4.07E-08	1.87E-05	3.12E-06	1.96E-08	3.14E-06	9.03E-12	2.73E-11	1.58E-11	0	0	0	0	2.927E-08	1.875E-07	3.14E-06	7.50677E-12	0	4.61153E-12	0
410	570430.6	4178439	0.55, 41784	0.16313	0.12204	99.54775	33.93845	16.59129	4.47421	3.33522E-08	1.57E-10	3.35E-08	2.04E-05	4.36E-08	2.04E-05	3.39E-06	2.13E-08	3.41E-06	1.03E-11	3.12E-11	1.81E-11	0	0	0	0	3.351E-08	2.0396E-07	3.41E-06	8.59299E-12	0	5.27881E-12	0
411	570470.6	4178439	0.55, 41784	0.18858	0.14267	108.92524	36.54882	18.15421	4.93599	3.85555E-08	1.83E-10	3.87E-08	2.23E-05	4.70E-08	2.23E-05	3.71E-06	2.33E-08	3.73E-06	1.2E-11	3.61E-11	2.09E-11	0	0	0	0	3.874E-08	2.2317E-07	3.73E-06	9.93411E-12	0	6.10269E-12	0
412	570510.6	4178439	0.55, 41784	0.22167	0.16966	120.34611	39.98702	20.05769	5.68986	4.53208E-08	2.18E-10	4.55E-08	2.46E-05	5.14E-08	2.47E-05	4.1E-06	2.58E-08	4.13E-06	1.41E-11	4.24E-11	2.46E-11	0	0	0	0	4.554E-08	2.4656E-07	4.13E-06	1.16779E-11	0	7.17391E-12	0
413	570550.6	4178439	0.55, 41784	0.2658	0.20594	134.27176	44.24032	22.37863	6.83821	5.43432E-08	2.65E-10	5.46E-08	2.75E-05	5.68E-08	2.75E-05	4.58E-06	2.88E-08	4.6E-06	1.69E-11	5.09E-11	2.95E-11	0	0	0	0	5.461E-08	2.7509E-07	4.6E-06	1.40035E-11	0	8.6026E-12	0
414	570590.6	4178439	0.55, 41784	0.3272	0.25654	151.91315	49.32778	25.31886	8.30482	6.68966E-08	3.30E-10	6.72E-08	3.11E-05	6.34E-08	3.11E-05	5.18E-06	3.25E-08	5.21E-06	2.07E-11	6.26E-11	3.63E-11	0	0	0	0	6.723E-08	3.1122E-07	5.21E-06	1.72394E-11	0	1.05904E-11	0
415	570630.6	4178439	0.55, 41784	0.41735	0.33056	175.42083	55.6235	29.2368	10.21264	8.53279E-08	4.25E-10	8.58E-08	3.59E-05	7.15E-08	3.59E-05	5.98E-06	3.76E-08	6.02E-06	2.65E-11	7.99E-11	4.63E-11	0	0	0	0	8.575E-08	3.5937E-07	6.02E-06	2.19902E-11	0	1.3509E-11	0
416	570670.6	4178439	0.55, 41784	0.56024	0.44648	208.37177	63.80907	34.72863	12.75328	1.14542E-07	5.74E-10	1.15E-07	4.26E-05	8.20E-08	4.27E-05	7.1E-06	4.46E-08	7.14E-06	3.55E-11	1.07E-10	6.21E-11	0	0	0	0	1.151E-07	4.2684E-07	7.14E-06	2.95201E-11	0	1.81346E-11	0
417	570710.6	4178439	0.55, 41784	0.81434	0.64609	258.28683	75.2647	43.04781	16.40047	1.66493E-07	8.30E-10	1.67E-07	5.28E-05	9.67E-08	5.29E-05	8.8E-06	5.53E-08	8.86E-06	5.16E-11	1.56E-10	9.03E-11	0	0	0	0	1.673E-07	5.2904E-07	8.86E-06	4.29081E-11	0	2.63591E-11	0
418	570750.6	4178439	0.55, 41784	1.35572	1.03003	343.9155	93.10334	57.16949	22.25077	2.77179E-07	1.32E-09	2.79E-07	7.03E-05	1.20E-07	7.04E-05	1.17E-05	7.34E-08	1.18E-05	8.59E-11	2.59E-10	1.5E-10	0	0	0	0	2.785E-07	7.0434E-07	1.18E-05	7.14187E-11	0	4.38737E-11	0
419	570790.6	4178439	0.55, 41784	3.18264	2.0617	571.47263	129.70009	95.66015	38.79176	6.50696E-07	2.65E-09	6.53E-07	0.000117	1.67E-07	0.000117	1.96E-05	1.23E-07	1.97E-05	2.02E-10	6.09E-10	3.52E-10	0	0	0	0	6.533E-07	1.1701E-06	1.97E-05	1.67543E-10	0	1.02924E-10	0
420	571070.6	4178439	0.55, 41784	4.74443	12.25677	251.71558	235.3671	48.15254	87.29167	9.70006E-07	1.57E-08	9.86E-07	5.15E-05	3.02E-07	5.18E-05	9.84E-06	6.19E-08	9.91E-06	3.04E-10	9.18E-10	5.32E-10	0	0	0	0	9.858E-07	5.1766E-07	9.91E-06	2.52785E-10	0	1.5529E-10	0
421	571110.6	4178439	0.55, 41784	3.89854	10.39914	292.37938	213.76959	54.55193	96.69541	7.97063E-07	1.34E-08	8.1E-07	5.98E-05	2.75E-07	6.01E-05	1.12E-05	7.01E-08	1.12E-05	2.5E-10	7.55E-10	4.37E-10	0	0	0	0	8.104E-07	6.0052E-07	1.12E-05	2.07824E-10	0	1.27669E-10	0
422	571150.6	4178439	0.55, 41784	3.24566	6.14355	299.25996	151.74182	53.26943	58.88405	6.6358E-07	7.89E-09	6.71E-07	6.12E-05	1.95E-07	6.14E-05	1.09E-05	6.84E-08	1.1E-05	2.07E-10	6.26E-10	3.62E-10	0	0	0	0	6.715E-07	6.1379E-07	1.1E-05	1.72192E-10	0	1.0578E-10	0
423	571190.6	4178439	0.55, 41784	2.68652	4.20662	319.22111	114.25705	45.60302	42.68486	5.49263E-07	5.40E-09	5.55E-07	6.53E-05	1.47E-07	6.54E-05	9.32E-06	5.86E-08	9.38E-06	1.71E-10	5.17E-10	2.99E-10	0	0	0	0	5.547E-07	6.5412E-07	9.38E-06	1.42238E-10	0	8.73792E-11	0
424	571230.6	4178439	0.55, 41784	2.2851	3.10379	355.31137	114.374	48.25343	33.87475	4.67192E-07	3.99E-09	4.71E-07	7.26E-05	1.47E-07	7.28E-05	9.87E-06	6.20E-08	9.93E-06	1.45E-10	4.39E-10	2.54E-10	0	0	0	0	4.712E-07	7.2791E-07	9.93E-06	1.20829E-10	0	7.4227E-11	0
425	571270.6	4178439	0.55, 41784	1.91581	2.39067	281.61312	92.35093	43.32371	28.45229	3.9169E-07	3.07E-09	3.95E-07	5.76E-05	1.19E-07	5.77E-05	8.86E-06	5.57E-08	8.91E-06	1.22E-10	3.68E-10	2.13E-10	0	0	0	0	3.948E-07	5.7695E-07	8.91E-06	1.01232E-10	0	6.21885E-11	0
426	571310.6	4178439	0.55, 41784	1.62017	1.88774	249.98498	75.512	38.72011	23.46838	3.31246E-07	2.43E-09	3.34E-07	5.11E-05	9.70E-08	5.12E-05	7.92E-06	4.97E-08	7.97E-06	1.03E-10	3.11E-10	1.8E-10	0	0	0	0	3.337E-07	5.1207E-07	7.97E-06	8.55662E-11	0	5.25647E-11	0
427	571350.6	4178439	0.55, 41784	1.36969	1.52492	207.90528	71.02603	31.99215	18.96422	2.80035E-07	1.96E-09	2.82E-07	4.25E-05	9.13E-08	4.26E-05	6.54E-06	4.11E-08	6.58E-06	8.7E-11	2.63E-10	1.52E-10	0	0	0	0	2.82E-07	4.2598E-07	6.58E-06	7.23142E-11	0	4.44238E-11	0
428	571390.6	4178439	0.55, 41784	1.16602	1.25794	137.82846	66.02867	21.56098	15.29437	2.38395E-07	1.62E-09	2.4E-07	2.82E-05	8.48E-08	2.83E-05	4.41E-06	2.77E-08	4.44E-06	7.41E-11	2.24E-10	1.29E-10	0	0	0	0	2.4E-07	2.8264E-07	4.44E-06	6.1548E-11	0	3.78099E-11	0
429	571430.6	4178439	0.55, 41784	1.00225	1.05165	150.81052	60.59063	19.07395	12.70811	2.04912E-07	1.35E-09	2.06E-07	3.08E-05	7.78E-08	3.09E-05	3.9E-06	2.45E-08	3.92E-06	6.36E-11	1.92E-10	1.11E-10	0	0	0	0	2.063E-07	3.0911E-07	3.92E-06	5.28937E-11	0	3.24934E-11	0
430	571470.6	4178439	0.55, 41784	0.86528	0.88825	153.64691	54.59461	19.20586	10.6849	1.76908E-07	1.14E-09	1.78E-07	3.14E-05	7.01E-08	3.15E-05	3.93E-06	2.47E-08	3.95E-06	5.49E-11	1.66E-10	9.6E-11	0	0	0	0	1.78E-07	3.1484E-07	3.95E-06	4.56586E-11	0	2.80488E-11	0
431	571510.6	4178439	0.55, 41784	0.75493	0.76151	144.52703	49.13224	18.06588	9.74189	1.54347E-07	9.78E-10	1.55E-07	2.95E-05	6.31E-08	2.96E-05	3.69E-06	2.32E-08	3.72E-06	4.79E-11	1.45E-10	8.38E-11	0	0	0	0	1.553E-07	2.9612E-07	3.72E-06	3.98313E-11	0	2.4469E-11	0
432	571550.6	4178439	0.55, 41784	0.65913	0.65716	127.58758	46.59598	15.94845	8.8858	1.3476E-07	8.44E-10	1.36E-07	2.61E-05	5.99E-08	2.61E-05	3.26E-06	2.05E-08	3.28E-06	4.18E-11	1.26E-10	7.31E-11	0	0	0	0	1.356E-07	2.6145E-07	3.28E-06	3.47742E-11	0	2.13624E-11	0
433	571590.6	4178439	0.55, 41784	0.57626	0.57045	106.82976	44.35137	13.35372	8.08009	1.17817E-07	7.33E-10	1.19E-07	2.18E-05	5.70E-08	2.19E-05	2.73E-06	1.72E-08	2.75E-06	3.66E-11	1.1E-10	6.39E-11	0	0	0	0	1.186E-07	2.1898E-07	2.75E-06	3.04008E-11	0	1.86757E-11	0
434	570310.6	4178479	0.55, 41784	0.1113	0.08183	74.58423	29.47815	11.80727	4.00274	2.27555E-08	1.05E-10	2.29E-08	1.52E-05	3.79E-08	1.53E-05	2.41E-06	1.52E-08	2.43E-06	7.05E-12	2.13E-11	1.23E-11	0	0	0	0	2.286E-08	1.5287E-07	2.43E-06	5.86233E-12	0	3.60133E-12	0
435	570350.6	4178479	0.55, 41784	0.12561	0.09388	80.0812	31.76761	12.83362	4.33491	2.56812E-08	1.21E-10	2.58E-08	1.64E-05	4.08E-08	1.64E-05	2.62E-06	1.65E-08	2.64E-06	7.96E-12	2.4E-11	1.39E-11	0	0	0	0	2.58E-08	1.6414E-07	2.64E-06	6.61657E-12	0	4.06466E-12	0
436	570390.6	4178479	0.55, 41784	0.14146	0.10678	86.10528	34.01158	14.01299	4.67053	2.89217E-08	1.37E-10	2.91E-08	1.76E-05	4.37E-08	1.76E-05	2.86E-06	1.80E-08	2.88E-06	8.97E-12	2.71E-11	1.57E-11	0	0	0	0	2.906E-08	1.7648E-07	2.88E-06	7.45182E-12	0	4.57777E-12	0
437	570430.6	4178479	0.55, 41784	0.16075	0.12266	93.00088	36.36689	15.32204	5.02469	3.28656E-08	1.58E-10	3.3E-08	1.9E-05	4.67E-08	1.91E-05	3.13E-06	1.97E-08	3.15E-06	1.02E-11	3.08E-11	1.78E-11	0	0	0	0	3.302E-08	1.9061E-07	3.15E-06	8.46841E-12	0	5.20228E-12	0
438	570470.6	4178479	0.55, 41784	0.18644	0.14379	101.96042	39.51551	16.93263	5.48718	3.8118E-08	1.85E-10	3.83E-08	2.08E-05	5.08E-08	2.09E-05	3.46E-06	2.18E-08	3.48E-06	1.18E-11	3.57E-11	2.07E-11	0	0	0	0	3.83E-08	2.0897E-07	3.48E-06	9.82228E-12	0	6.03399E-12	0
439	570510.6	4178479	0.55, 41784	0.22079	0.17209	113.44919	43.50567	18.9082	6.17272	4.51409E-08	2.21E-10	4.54E-08	2.32E-05	5.59E-08	2.33E-05	3.87E-06	2.43E-08	3.89E-06	1.4E-11	4.23E-11	2.45E-11	0	0	0	0	4.536E-08	2.3251E-07	3.89E-06	1.16325E-11	0	7.14606E-12	0
440	570550.6	4178479	0.55, 41784	0.2667	0.21004	127.7059	48.20733	21.28432	7.34053	5.45272E-08	2.70E-10	5.48E-08	2.61E-05	6.19E-08	2.62E-05	4.35E-06	2.73E-08	4.38E-06	1.69E-11	5.11E-11	2.96E-11	0	0	0	0	5.48E-08	2.6172E-07	4.38E-06	1.40521E-11	0	8.63242E-12	0
441	570590.6	4178479	0.55, 41784	0.32931	0.26248	144.67878	53.44745	24.11313	8.81975	6.7328E-08	3.37E-10	6.77E-08	2.96E-05	6.87E-08	2.96E-05	4.93E-06	3.10E-08	4.96E-06	2.09E-11	6.3E-11	3.65E-11	0	0	0	0	6.767E-08	2.9648E-07	4.96E-06	1.73519E-11	0	1.06596E-11	0
442	570630.6	4178479	0.55, 41784	0.42133	0.33962	165.95931	60.05375	27.65989	10.77683	8.61416E-08	4.36E-10	8.66E-08	3.39E-05	7.72E-08	3.4E-05	5.66E-06	3.55E-08	5.69E-06	2.67E-11	8.07E-11	4.67E-11	0	0	0	0	8.658E-08	3.4008E-07	5.69E-06	2.22019E-11	0	1.3639E-11	0
443	570670.6	4178479	0.55, 41784	0.56746	0.46145	193.36004	69.0612	32.22667	13.5092	1.16018E-07	5.93E-10	1.17E-07	3.95E-05	8.87E-08	3.96E-05	6.59E-06	4.14E-08	6.63E-06	3.6E-11	1.09E-10	6.29E-11	0	0	0	0	1.166E-07	3.9622E-07	6.63E-06	2.99035E-11	0	1.83702E-11	0
444	570710.6	4178479	0.55, 41784	0.83023	0.67528	236.53606	81.84268	39.07222	17.68943	1.69742E-07	8.68E-10	1.71E-07	4.84E-05	1.05E-07	4.85E-05	7.99E-06	5.02E-08	8.04E-06	5.26E-11	1.59E-10	9.2E-11	0	0	0	0	1.706E-07	4.8465E-07	8.04E-06	4.37508E-11	0	2.68768E-11	0
445	570750.6	4178479	0.55, 41784	1.42426	1.12918	342.03514	102.90165	49.67165	25.1054	2.91192E-07	1.45E-09	2.93E-07	6.99E-05	1.32E-07	7.01E-05	1.02E-05	6.38E-08	1.02E-05	9.03E-11	2.73E-10	1.58E-10	0	0	0	0	2.926E-07	7.0062E-07	1.02E-05	7.50449E-11	0	4.61013E-11	0
446	570790.6	4178479	0.55, 41784	3.63047	2.75084	596.75244	187.47347	107.7468	51.23422	7.42255E-07	3.53E-09	7.46E-07	0.000122	2.41E-07	0.000122	2.2E-05	1.38E-07	2.22E-05	2.3E-10	6.95E-10	4.02E-10	0	0	0	0	7.458E-07	1.2225E-06	2.22E-05	1.91249E-10	0	1.17487E-10	0
447	571030.6	4178479	0.55, 41784	9.40071	15.68167	333.68631	267.08575	81.11776	110.69164	1.92199E-06	2.01E-08	1.94E-06	6.82E-05	3.43E-07	6.86E-05	1.66E-05	1.04E-07	1.67E-05	5.99E-10	1.81E-09	1.05E-09	0	0	0	0	1.942E-06	6.8566E-07	1.67E-05	4.98039E-10	0	3.05953E-10	0
448	571070.6	4178479	0.55, 41784	5.59712	9.0131	216.22006	204.77885	54.58514	76.29745	1.14434E-06	1.16E-08	1.16E-06	4.42E-05	2.63E-07	4.45E-05	1.12E-05	7.01E-08	1.12E-05	3.57E-10	1.08E-09	6.23E-10	0	0	0	0	1.156E-06	4.447E-07	1.12E-05	2.96422E-10	0	1.82097E-10	0
449	571110.6	4178479	0.55, 41784	3.86033	5.8724	232.77263	158.88759	40.87392	60.11848	7.89251E-07	7.54E-09	7.97E-07	4.76E-05	2.04E-07	4.78E-05	8.36E-06	5.25E-08	8.41E-06	2.46E-10	7.42E-10	4.3E-10	0	0	0	0	7.968E-07	4.7795E-07	8.41E-06	2.04329E-10	0	1.25523E-10	0
450	571150.6	4178479	0.55, 41784	2.87873	4.17215	243.47288	131.88403	36.94401	47.80365	5.88561E-07	5.36E-09	5.94E-07	4.98E-05	1.69E-07	4.99E-05	7.55E-06	4.75E-08	7.6E-06	1.83E-10	5.53E-10	3.2E-10	0	0	0	0	5.939E-07	4.9948E-07	7.6E-06	1.52304E-10	0	9.35629E-11	0
451	571190.6	4178479	0.55, 41784	2.25924	3.11768	272.99859	103.34976	40.61499	35.56429	4.61905E-07	4.01E-09	4.66E-07	5.58E-05	1.33E-07	5.59E-05	8.3E-06	5.22E-08	8.36E-06	1.44E-10	4.34E-10	2.51E-10	0	0	0	0	4.659E-07	5.5948E-07	8.36E-06	1.19477E-10	0	7.33969E-11	0
452	571230.6	4178479	0.55, 41784	1.86428	2.43731	228.60917	88.43023	34.9281	28.65964	3.81155E-07	3.13E-09	3.84E-07	4.67E-05	1.14E-07	4.69E-05	7.14E-06	4.49E-08	7.19E-06	1.19E-10	3.58E-10	2.07E-10	0	0	0	0	3.843E-07	4.6853E-07	7.19E-06	9.85458E-11	0	6.05383E-11	0
453	571270.6	4178479	0.55, 41784	1.58233	1.95726	275.18297	89.4878	39.56066	24.38596	3.2351E-07	2.51E-09	3.26E-07	5.63E-05	1.15E-07	5.64E-05	8.09E-06	5.08E-08	8.14E-06	1.01E-10	3.04E-10	1.76E-10	0	0	0	0	3.26E-07	5.6377E-07	8.14E-06	8.36052E-11	0	5.136E-11	0
454	571310.6	4178479	0.55, 41784	1.35793	1.6065	222.77943	77.47813	32.82803	21.05024	2.77631E-07	2.06E-09	2.8E-07	4.55E-05	9.95E-08	4.56E-05	6.71E-06	4.22E-08	6.75E-06	8.63E-11	2.61E-10	1.51E-10	0	0	0	0	2.797E-07	4.5647E-07	6.75E-06	7.17245E-11	0	4.40615E-11	0
455	571350.6	4178479	0.55, 41784	1.1642	1.33076	210.30644	64.61424	30.9494	18.13628	2.38023E-07	1.71E-09	2.4E-07	4.3E-05	8.30E-08	4.31E-05	6.33E-06	3.98E-08	6.37E-06	7.4E-11	2.23E-10	1.29E-10	0	0	0	0	2.397E-07	4.3081E-07	6.37E-06	6.14766E-11	0	3.7766E-11	0
456	571390.6	4178479	0.55, 41784	1.001	1.11694	187.8278	60.73144	27.7002	15.35336	2.04656E-07	1.44E-09	2.06E-07	3.84E-05	7.80E-08	3.85E-05	5.66E-06	3.56E-08	5.7E-06	6.36E-11	1.92E-10	1.11E-10	0	0	0	0	2.061E-07	3.848E-07	5.7E-06	5.28497E-11	0	3.24664E-11	0
457	571430.6	4178479	0.55, 41784	0.8626	0.94616	141.00765	57.76687	20.99683	12.7525	1.7636E-07	1.22E-09	1.78E-07	2.88E-05	7.42E-08	2.89E-05	4.29E-06	2.70E-08	4.32E-06	5.48E-11	1.65E-10	9.58E-11	0	0	0	0	1.776E-07	2.8903E-07	4.32E-06	4.55372E-11	0	2.79742E-11	0
458	571470.6	4178479	0.55, 41784	0.75511	0.81334	85.41876	54.87579	13.60469	11.10539	1.54383E-07	1.04E-09	1.55E-07	1.75E-05	7.05E-08	1.75E-05	2.78E-06	1.75E-08	2.8E-06	4.8E-11	1.45E-10	8.38E-11	0	0	0	0	1.554E-07	1.7535E-07	2.8E-06	3.98578E-11	0	2.44853E-11	0
459	571510.6	4178479	0.55, 41784	0.666	0.70453	104.54177	51.61661	13.06772	9.4895	1.36165E-07	9.05E-10	1.37E-07	2.14E-05	6.63E-08	2.14E-05	2.67E-06	1.68E-08	2.69E-06	4.23E-11	1.28E-10	7.39E-11	0	0	0	0	1.371E-07	2.144E-07	2.69E-06	3.515E-11	0	2.15932E-11	0
460	571550.6	4178479	0.55, 41784	0.58993	0.61436	114.23468	47.78612	14.27934	8.47335	1.20612E-07	7.89E-10	1.21E-07	2.34E-05	6.14E-08	2.34E-05	2.92E-06	1.83E-08	2.94E-06	3.75E-11	1.13E-10	6.55E-11	0	0	0	0	1.214E-07	2.3417E-07	2.94E-06	3.1132E-11	0	1.91249E-11	0
461	571590.6	4178479	0.55, 41784	0.5248	0.5396	114.71837	43.31659	14.3398	7.89274	1.07296E-07	6.93E-10	1.08E-07	2.35E-05	5.57E-08	2.35E-05	2.93E-06	1.84E-08	2.95E-06	3.33E-11	1.01E-10	5.82E-11	0	0	0	0	1.08E-07	2.351E-07	2.95E-06	2.76926E-11	0	1.7012E-11	0
462	570310.6	4178519	0.55, 41785	0.10968	0.08323	75.92481	30.95134	12.65413	4.31611	2.24243E-08	1.07E-10	2.25E-08	1.55E-05	3.98E-08	1.56E-05	2.59E-06	1.63E-08	2.6E-06	6.95E-12	2.1E-11	1.22E-11	0	0	0	0	2.253E-08	1.5563E-07	2.6E-06	5.77786E-12	0	3.54943E-12	0
463	570350.6	4178519	0.55, 41785	0.12253	0.09413	80.98331	32.52203	13.49722	4.56123	2.50515E-08	1.21E-10	2.52E-08	1.66E-05	4.18E-08	1.66E-05	2.76E-06	1.73E-08	2.78E-06	7.77E-12	2.35E-11	1.36E-11	0	0	0	0	2.517E-08	1.6599E-07	2.78E-06	6.45517E-12	0	3.96551E-12	0
464	570390.6	4178519	0.55, 41785	0.13706	0.10653	86.4192	34.09518	14.4032	4.78567	2.80221E-08	1.37E-10	2.82E-08	1.77E-05	4.38E-08	1.77E-05	2.94E-06	1.85E-08	2.96E-06	8.69E-12	2.62E-11	1.52E-11	0	0	0	0	2.816E-08	1.7712E-07	2.96E-06	7.22105E-12	0	4.43601E-12	0
465	570430.6	4178519	0.55, 41785	0.15657	0.12308	93.48729	36.56809	15.58121	5.11226	3.2011E-08	1.58E-10	3.22E-08	1.91E-05	4.70E-08	1.92E-05	3.19E-06	2.00E-08	3.21E-06	9.93E-12	3E-11	1.74E-11	0	0	0	0	3.217E-08	1.9161E-07	3.21E-06	8.2494E-12	0	5.06774E-12	0
466	570470.6	4178519	0.55, 41785	0.18113	0.14422	101.65542	39.2669	16.9419	5.47129	3.70323E-08	1.85E-10	3.72E-08	2.08E-05	5.04E-08	2.08E-05	3.46E-06	2.18E-08	3.49E-06	1.15E-11	3.47E-11	2.01E-11	0	0	0	0	3.722E-08	2.0833E-07	3.49E-06	9.54402E-12	0	5.86305E-12	0
467	570510.6	4178519	0.55, 41785	0.21556	0.17373	112.42418	43.21366	18.73736	6.23491	4.40716E-08	2.23E-10	4.43E-08	2.3E-05	5.55E-08	2.3E-05	3.83E-06	2.41E-08	3.85E-06	1.37E-11	4.13E-11	2.39E-11	0	0	0	0	4.429E-08	2.3041E-07	3.85E-06	1.13589E-11	0	6.97795E-12	0
468	570550.6	4178519	0.55, 41785	0.26244	0.21401	127.39838	48.06291	20.89373	7.26318	5.36563E-08	2.75E-10	5.39E-08	2.6E-05	6.17E-08	2.61E-05	4.27E-06	2.68E-08	4.3E-06	1.66E-11	5.02E-11	2.91E-11	0	0	0	0	5.393E-08	2.6109E-07	4.3E-06	1.383E-11	0	8.49602E-12	0
469	570590.6	4178519	0.55, 41785	0.32438	0.26815	146.74921	52.55391	23.05175	8.49659	6.632E-08	3.45E-10	6.67E-08	3E-05	6.75E-08	3.01E-05	4.71E-06	2.96E-08	4.74E-06	2.06E-11	6.21E-11	3.6E-11	0	0	0	0	6.666E-08	3.0071E-07	4.74E-06	1.70953E-11	0	1.05019E-11	0
470	570630.6	4178519	0.55, 41785	0.41604	0.34788	170.82398	60.03664	25.41079	10.076	8.50601E-08	4.47E-10	8.55E-08	3.49E-05	7.71E-08	3.5E-05	5.2E-06	3.26E-08	5.23E-06	2.64E-11	7.97E-11	4.61E-11	0	0	0	0	8.551E-08	3.5002E-07	5.23E-06	2.19273E-11	0	1.34703E-11	0
471	570670.6	4178519	0.55, 41785	0.56352	0.47347	210.6175	71.54419	27.95974	12.2085	1.15213E-07	6.08E-10	1.16E-07	4.31E-05	9.19E-08	4.32E-05	5.72E-06	3.59E-08	5.75E-06	3.57E-11	1.08E-10	6.25E-11	0	0	0	0	1.158E-07	4.3153E-07	5.75E-06	2.97009E-11	0	1.82458E-11	0
472	570710.6	4178519	0.55, 41785	0.82936	0.69158	257.30872	94.91316	32.16359	16.3308	1.69564E-07	8.89E-10	1.7E-07	5.26E-05	1.22E-07	5.27E-05	6.58E-06	4.13E-08	6.62E-06	5.26E-11	1.59E-10	9.19E-11	0	0	0	0	1.705E-07	5.2729E-07	6.62E-06	4.37106E-11	0	2.68521E-11	0
473	570750.6	4178519	0.55, 41785	1.36529	1.13262	327.60111	130.96882	45.80096	29.91109	2.79136E-07	1.46E-09	2.81E-07	6.7E-05	1.68E-07	6.71E-05	9.36E-06	5.88E-08	9.42E-06	8.66E-11	2.61E-10	1.51E-10	0	0	0	0	2.806E-07	6.7147E-07	9.42E-06	7.19543E-11	0	4.42027E-11	0
474	570790.6	4178519	0.55, 41785	2.09469	1.90095	339.24086	174.34023	59.4987	49.70987	4.28263E-07	2.44E-09	4.31E-07	6.94E-05	2.24E-07	6.96E-05	1.22E-05	7.64E-08	1.22E-05	1.33E-10	4.01E-10	2.32E-10	0	0	0	0	4.307E-07	6.9582E-07	1.22E-05	1.10449E-10	0	6.78508E-11	0
475	570990.6	4178519	0.55, 41785	30.9381	16.28557	1645.60932	278.46944	444.29015	131.46412	6.32534E-06	2.09E-08	6.35E-06	0.000336	3.58E-07	0.000337	9.08E-05	5.71E-07	9.14E-05	1.96E-09	5.91E-09	3.42E-09	0	0	0	0	6.346E-06	3.3681E-06	9.14E-05	1.62743E-09	0	9.99755E-10	0
476	571030.6	4178519	0.55, 41785	10.39533	8.05295	575.07494	188.36146	130.51861	75.45666	2.12534E-06	1.03E-08	2.14E-06	0.000118	2.42E-07	0.000118	2.67E-05	1.68E-07	2.69E-05	6.59E-10	1.99E-09	1.15E-09	0	0	0	0	2.136E-06	1.1782E-06	2.69E-05	5.47672E-10	0	3.36444E-10	0
477	571070.6	4178519	0.55, 41785	5.62777	5.38206	327.13066	151.27996	61.45445	56.79768	1.15061E-06	6.91E-09	1.16E-06	6.69E-05	1.94E-07	6.71E-05	1.26E-05	7.90E-08	1.26E-05	3.57E-10	1.08E-09	6.24E-10	0	0	0	0	1.158E-06	6.7077E-07	1.26E-05	2.96833E-10	0	1.82349E-10	0
478	571110.6	4178519	0.55, 41785	3.70135	3.92679	194.51307	130.68512	41.68788	44.49195	7.56747E-07	5.04E-09	7.62E-07	3.98E-05	1.68E-07	3.99E-05	8.52E-06	5.36E-08	8.58E-06	2.35E-10	7.1E-10	4.11E-10	0	0	0	0	7.618E-07	3.9936E-07	8.58E-06	1.95353E-10	0	1.20008E-10	0
479	571150.6	4178519	0.55, 41785	2.69329	3.00723	208.02281	103.35418	30.40761	37.50867	5.50647E-07	3.86E-09	5.55E-07	4.25E-05	1.33E-07	4.27E-05	6.22E-06	3.91E-08	6.26E-06	1.71E-10	5.17E-10	2.99E-10	0	0	0	0	5.545E-07	4.2663E-07	6.26E-06	1.42198E-10	0	8.73545E-11	0
480	571190.6	4178519	0.55, 41785	2.08526	2.38411	205.94825	100.14217	32.90062	31.32752	4.26335E-07	3.06E-09	4.29E-07	4.21E-05	1.29E-07	4.22E-05	6.73E-06	4.23E-08	6.77E-06	1.33E-10	4E-10	2.32E-10	0	0	0	0	4.294E-07	4.2235E-07	6.77E-06	1.10114E-10	0	6.76449E-11	0
481	571230.6	4178519	0.55, 41785	1.66362	1.91731	215.41751	83.66277	30.77393	25.17962	3.4013E-07	2.46E-09	3.43E-07	4.4E-05	1.07E-07	4.41E-05	6.29E-06	3.95E-08	6.33E-06	1.06E-10	3.19E-10	1.85E-10	0	0	0	0	3.426E-07	4.415E-07	6.33E-06	8.7854E-11	0	5.39701E-11	0
482	571270.6	4178519	0.55, 41785	1.38104	1.58176	194.90891	74.63088	31.16799	21.56574	2.82356E-07	2.03E-09	2.84E-07	3.98E-05	9.59E-08	3.99E-05	6.37E-06	4.00E-08	6.41E-06	8.78E-11	2.65E-10	1.53E-10	0	0	0	0	2.844E-07	3.9945E-07	6.41E-06	7.2928E-11	0	4.48009E-11	0
483	571310.6	4178519	0.55, 41785	1.18628	1.33473	227.7435	74.01926	34.0231	18.88588	2.42537E-07	1.71E-09	2.44E-07	4.66E-05	9.51E-08	4.67E-05	6.96E-06	4.37E-08	7E-06	7.54E-11	2.28E-10	1.32E-10	0	0	0	0	2.443E-07	4.6658E-07	7E-06	6.26355E-11	0	3.8478E-11	0
484	571350.6	4178519	0.55, 41785	1.02794	1.1349	186.21806	66.32591	28.09378	16.3212	2.10164E-07	1.46E-09	2.12E-07	3.81E-05	8.52E-08	3.82E-05	5.74E-06	3.61E-08	5.78E-06	6.53E-11	1.97E-10	1.14E-10	0	0	0	0	2.116E-07	3.8158E-07	5.78E-06	5.4268E-11	0	3.33377E-11	0
485	571390.6	4178519	0.55, 41785	0.88898	0.96986	165.64096	58.31983	23.55305	14.40747	1.81753E-07	1.25E-09	1.83E-07	3.39E-05	7.49E-08	3.39E-05	4.82E-06	3.03E-08	4.85E-06	5.65E-11	1.71E-10	9.87E-11	0	0	0	0	1.83E-07	3.394E-07	4.85E-06	4.69281E-11	0	2.88287E-11	0
486	571430.6	4178519	0.55, 41785	0.7696	0.83467	166.81635	54.79876	23.72844	12.50769	1.57346E-07	1.07E-09	1.58E-07	3.41E-05	7.04E-08	3.42E-05	4.85E-06	3.05E-08	4.88E-06	4.89E-11	1.48E-10	8.54E-11	0	0	0	0	1.584E-07	3.4176E-07	4.88E-06	4.06245E-11	0	2.49563E-11	0
487	571470.6	4178519	0.55, 41785	0.67066	0.72494	138.40145	51.97552	19.82816	10.73341	1.37118E-07	9.31E-10	1.38E-07	2.83E-05	6.68E-08	2.84E-05	4.05E-06	2.55E-08	4.08E-06	4.26E-11	1.29E-10	7.45E-11	0	0	0	0	1.38E-07	2.8363E-07	4.08E-06	3.5401E-11	0	2.17474E-11	0
488	571510.6	4178519	0.55, 41785	0.58987	0.63439	93.94363	49.66848	13.736	9.50533	1.206E-07	8.15E-10	1.21E-07	1.92E-05	6.38E-08	1.93E-05	2.81E-06	1.76E-08	2.83E-06	3.75E-11	1.13E-10	6.55E-11	0	0	0	0	1.214E-07	1.9271E-07	2.83E-06	3.11354E-11	0	1.9127E-11	0
489	571550.6	4178519	0.55, 41785	0.52422	0.55926	64.7066	47.53612	9.81761	8.44297	1.07178E-07	7.19E-10	1.08E-07	1.32E-05	6.11E-08	1.33E-05	2.01E-06	1.26E-08	2.02E-06	3.33E-11	1.01E-10	5.82E-11	0	0	0	0	1.079E-07	1.329E-07	2.02E-06	2.76687E-11	0	1.69973E-11	0
490	571590.6	4178519	0.55, 41785	0.47148	0.49721	75.39988	45.27823	9.54319	7.49343	9.63948E-08	6.39E-10	9.7E-08	1.54E-05	5.82E-08	1.55E-05	1.95E-06	1.23E-08	1.96E-06	2.99E-11	9.04E-11	5.23E-11	0	0	0	0	9.703E-08	1.5474E-07	1.96E-06	2.48831E-11	0	1.52861E-11	0
491	570310.6	4178559	0.55, 41785	0.10731	0.08405	76.80272	30.54078	12.80045	4.19275	2.19397E-08	1.08E-10	2.2E-08	1.57E-05	3.92E-08	1.57E-05	2.62E-06	1.64E-08	2.63E-06	6.8E-12	2.05E-11	1.19E-11	0	0	0	0	2.205E-08	1.5742E-07	2.63E-06	5.65387E-12	0	3.47327E-12	0
492	570350.6	4178559	0.55, 41785	0.11907	0.09438	82.9813	31.5625	13.39224	4.31782	2.43441E-08	1.21E-10	2.45E-08	1.7E-05	4.06E-08	1.7E-05	2.74E-06	1.72E-08	2.76E-06	7.55E-12	2.28E-11	1.32E-11	0	0	0	0	2.447E-08	1.7006E-07	2.76E-06	6.27384E-12	0	3.85412E-12	0
493	570390.6	4178559	0.55, 41785	0.1339	0.10748	90.55746	32.83588	14.07263	4.47793	2.73761E-08	1.38E-10	2.75E-08	1.85E-05	4.22E-08	1.86E-05	2.88E-06	1.81E-08	2.9E-06	8.49E-12	2.56E-11	1.48E-11	0	0	0	0	2.751E-08	1.8557E-07	2.9E-06	7.05569E-12	0	4.33442E-12	0
494	570430.6	4178559	0.55, 41785	0.15297	0.12443	99.07784	34.42492	14.88754	4.68196	3.1275E-08	1.60E-10	3.14E-08	2.03E-05	4.42E-08	2.03E-05	3.04E-06	1.91E-08	3.06E-06	9.7E-12	2.93E-11	1.7E-11	0	0	0	0	3.143E-08	2.0301E-07	3.06E-06	8.0611E-12	0	4.95206E-12	0
495	570470.6	4178559	0.55, 41785	0.17711	0.14611	108.3811	37.13833	15.68816	5.10948	3.62104E-08	1.88E-10	3.64E-08	2.22E-05	4.77E-08	2.22E-05	3.21E-06	2.02E-08	3.23E-06	1.12E-11	3.39E-11	1.96E-11	0	0	0	0	3.64E-08	2.2206E-07	3.23E-06	9.33388E-12	0	5.73395E-12	0
496	570510.6	4178559	0.55, 41785	0.21022	0.1758	119.02071	41.74654	16.67371	5.7123	4.29798E-08	2.26E-10	4.32E-08	2.43E-05	5.36E-08	2.44E-05	3.41E-06	2.14E-08	3.43E-06	1.33E-11	4.03E-11	2.33E-11	0	0	0	0	4.321E-08	2.4388E-07	3.43E-06	1.10796E-11	0	6.80637E-12	0
497	570550.6	4178559	0.55, 41785	0.25686	0.21737	138.81712	48.97119	17.78034	6.5378	5.25154E-08	2.79E-10	5.28E-08	2.84E-05	6.29E-08	2.84E-05	3.64E-06	2.28E-08	3.66E-06	1.63E-11	4.92E-11	2.85E-11	0	0	0	0	5.279E-08	2.8444E-07	3.66E-06	1.35386E-11	0	8.31698E-12	0
498	570590.6	4178559	0.55, 41785	0.31921	0.27311	158.95656	55.69599	19.86957	7.90259	6.5263E-08	3.51E-10	6.56E-08	3.25E-05	7.16E-08	3.26E-05	4.06E-06	2.55E-08	4.09E-06	2.02E-11	6.11E-11	3.54E-11	0	0	0	0	6.561E-08	3.257E-07	4.09E-06	1.68259E-11	0	1.03364E-11	0
499	570630.6	4178559	0.55, 41785	0.41072	0.35398	180.38278	65.18573	22.54785	9.64997	8.39724E-08	4.55E-10	8.44E-08	3.69E-05	8.37E-08	3.7E-05	4.61E-06	2.90E-08	4.64E-06	2.61E-11	7.87E-11	4.55E-11	0	0	0	0	8.443E-08	3.6963E-07	4.64E-06	2.16504E-11	0	1.33002E-11	0
500	570670.6	4178559	0.55, 41785	0.55178	0.47716	218.05495	85.23197	27.25687	14.02323	1.12812E-07	6.13E-10	1.13E-07	4.46E-05	1.10E-07	4.47E-05	5.57E-06	3.50E-08	5.61E-06	3.5E-11	1.06E-10	6.12E-11	0	0	0	0	1.134E-07	4.4691E-07	5.61E-06	2.90866E-11	0	1.78684E-11	0
501	570710.6	4178559	0.55, 41785	0.78132	0.6809	244.71244	105.12049	32.595	21.74638	1.59742E-07	8.75E-10	1.61E-07	5E-05	1.35E-07	5.02E-05	6.66E-06	4.19E-08	6.71E-06	4.96E-11	1.5E-10	8.66E-11	0	0	0	0	1.606E-07	5.0167E-07	6.71E-06	4.11883E-11	0	2.53027E-11	0
502	570750.6	4178559	0.55, 41785	1.13763	1.02831	276.33124	124.7524	39.47589	32.46528	2.3259E-07	1.32E-09	2.34E-07	5.65E-05	1.60E-07	5.67E-05	8.07E-06	5.07E-08	8.12E-06	7.22E-11	2.18E-10	1.26E-10	0	0	0	0	2.339E-07	5.6657E-07	8.12E-06	5.99839E-11	0	3.68491E-11	0
503	570790.6	4178559	0.55, 41785	1.48115	1.46435	285.306	157.20995	43.19026	42.97795	3.02824E-07	1.88E-09	3.05E-07	5.83E-05	2.02E-07	5.85E-05	8.83E-06	5.55E-08	8.89E-06	9.4E-11	2.84E-10	1.64E-10	0	0	0	0	3.047E-07	5.8533E-07	8.89E-06	7.8138E-11	0	4.80015E-11	0
504	570830.6	4178559	0.55, 41785	2.67811	2.99292	342.02881	178.80856	66.23843	64.34565	5.47544E-07	3.85E-09	5.51E-07	6.99E-05	2.30E-07	7.02E-05	1.35E-05	8.51E-08	1.36E-05	1.7E-10	5.14E-10	2.97E-10	0	0	0	0	5.514E-07	7.0158E-07	1.36E-05	1.41397E-10	0	8.68627E-11	0
505	570950.6	4178559	0.55, 41785	26.55575	12.00196	679.01352	318.67052	280.37281	116.3834	5.42937E-06	1.54E-08	5.44E-06	0.000139	4.09E-07	0.000139	5.73E-05	3.60E-07	5.77E-05	1.68E-09	5.07E-09	2.94E-09	0	0	0	0	5.445E-06	1.3923E-06	5.77E-05	1.39625E-09	0	8.5774E-10	0
506	570990.6	4178559	0.55, 41785	10.52141	6.96087	639.29991	205.65266	133.52138	75.6432	2.15112E-06	8.94E-09	2.16E-06	0.000131	2.64E-07	0.000131	2.73E-05	1.72E-07	2.75E-05	6.67E-10	2.01E-09	1.17E-09	0	0	0	0	2.16E-06	1.3097E-06	2.75E-05	5.53923E-10	0	3.40284E-10	0
507	571030.6	4178559	0.55, 41785	6.12086	4.69941	562.31532	143.87555	97.52112	53.65332	1.25142E-06	6.04E-09	1.26E-06	0.000115	1.85E-07	0.000115	1.99E-05	1.25E-07	2.01E-05	3.88E-10	1.17E-09	6.78E-10	0	0	0	0	1.257E-06	1.1515E-06	2.01E-05	3.2246E-10	0	1.98093E-10	0
508	571070.6	4178559	0.55, 41785	4.00501	3.46908	291.75499	122.4909	69.10596	41.80504	8.18831E-07	4.46E-09	8.23E-07	5.96E-05	1.57E-07	5.98E-05	1.41E-05	8.88E-08	1.42E-05	2.54E-10	7.67E-10	4.44E-10	0	0	0	0	8.233E-07	5.9807E-07	1.42E-05	2.11123E-10	0	1.29696E-10	0
509	571110.6	4178559	0.55, 41785	2.89394	2.70355	288.47324	105.99812	48.03981	36.46899	5.91671E-07	3.47E-09	5.95E-07	5.9E-05	1.36E-07	5.91E-05	9.82E-06	6.17E-08	9.88E-06	1.84E-10	5.55E-10	3.21E-10	0	0	0	0	5.951E-07	5.9115E-07	9.88E-06	1.52618E-10	0	9.37556E-11	0
510	571150.6	4178559	0.55, 41785	2.21115	2.17534	240.56187	97.79178	31.90722	30.3701	4.52073E-07	2.79E-09	4.55E-07	4.92E-05	1.26E-07	4.93E-05	6.52E-06	4.10E-08	6.56E-06	1.4E-10	4.24E-10	2.45E-10	0	0	0	0	4.549E-07	4.9309E-07	6.56E-06	1.16646E-10	0	7.16573E-11	0
511	571190.6	4178559	0.55, 41785	1.76303	1.79806	177.14345	83.63267	24.55859	26.34777	3.60454E-07	2.31E-09	3.63E-07	3.62E-05	1.07E-07	3.63E-05	5.02E-06	3.16E-08	5.05E-06	1.12E-10	3.38E-10	1.96E-10	0	0	0	0	3.628E-07	3.6325E-07	5.05E-06	9.30267E-11	0	5.71478E-11	0
512	571230.6	4178559	0.55, 41785	1.44054	1.50665	192.87207	80.98435	29.09943	22.26218	2.94521E-07	1.94E-09	2.96E-07	3.94E-05	1.04E-07	3.95E-05	5.95E-06	3.74E-08	5.99E-06	9.15E-11	2.76E-10	1.6E-10	0	0	0	0	2.965E-07	3.9537E-07	5.99E-06	7.60228E-11	0	4.6702E-11	0
513	571270.6	4178559	0.55, 41785	1.19178	1.27042	167.21575	71.42327	22.32638	19.23301	2.43661E-07	1.63E-09	2.45E-07	3.42E-05	9.18E-08	3.43E-05	4.56E-06	2.87E-08	4.59E-06	7.57E-11	2.29E-10	1.32E-10	0	0	0	0	2.453E-07	3.4279E-07	4.59E-06	6.29027E-11	0	3.86421E-11	0

514	571310.6	4178559	0.55, 41785	1.01245	1.08581	169.23295	65.49002	26.6418	16.91234	2.06997E-07	1.40E-09	2.08E-07	3.46E-05	8.41E-08	3.47E-05	5.45E-06	3.42E-08	5.48E-06	6.43E-11	1.94E-10	1.12E-10	0	0	0	0	2.084E-07	3.4684E-07	5.48E-06	5.34397E-11	0	3.28289E-11	0
515	571350.6	4178559	0.55, 41785	0.8838	0.94242	194.09519	63.64749	28.90026	14.99354	1.80694E-07	1.21E-09	1.82E-07	3.97E-05	8.18E-08	3.98E-05	5.91E-06	3.71E-08	5.95E-06	5.61E-11	1.69E-10	9.81E-11	0	0	0	0	1.819E-07	3.9765E-07	5.95E-06	4.66475E-11	0	2.86563E-11	0
516	571390.6	4178559	0.55, 41785	0.78025	0.82372	158.10154	57.98385	23.81897	12.89204	1.59523E-07	1.06E-09	1.61E-07	3.23E-05	7.45E-08	3.24E-05	4.87E-06	3.06E-08	4.9E-06	4.96E-11	1.5E-10	8.66E-11	0	0	0	0	1.606E-07	3.2399E-07	4.9E-06	4.11793E-11	0	2.52971E-11	0
517	571430.6	4178559	0.55, 41785	0.68512	0.72115	137.68904	52.2569	18.93914	11.62385	1.40074E-07	9.27E-10	1.41E-07	2.82E-05	6.71E-08	2.82E-05	3.87E-06	2.43E-08	3.9E-06	4.35E-11	1.31E-10	7.61E-11	0	0	0	0	1.41E-07	2.8218E-07	3.9E-06	3.61579E-11	0	2.22124E-11	0
518	571470.6	4178559	0.55, 41785	0.60049	0.63425	143.56241	49.93475	19.90478	10.29716	1.22771E-07	8.15E-10	1.24E-07	2.94E-05	6.42E-08	2.94E-05	4.07E-06	2.56E-08	4.1E-06	3.81E-11	1.15E-10	6.67E-11	0	0	0	0	1.236E-07	2.9416E-07	4.1E-06	3.16922E-11	0	1.9469E-11	0
519	571510.6	4178559	0.55, 41785	0.52736	0.56045	131.02036	47.72087	18.26486	8.99798	1.0782E-07	7.20E-10	1.09E-07	2.68E-05	6.13E-08	2.68E-05	3.73E-06	2.35E-08	3.76E-06	3.35E-11	1.01E-10	5.85E-11	0	0	0	0	1.085E-07	2.6849E-07	3.76E-06	2.78337E-11	0	1.70987E-11	0
520	571550.6	4178559	0.55, 41785	0.46874	0.49944	99.50634	45.73793	14.05158	8.03042	9.58347E-08	6.42E-10	9.65E-08	2.03E-05	5.88E-08	2.04E-05	2.87E-06	1.81E-08	2.89E-06	2.98E-11	8.99E-11	5.2E-11	0	0	0	0	9.648E-08	2.0403E-07	2.89E-06	2.47402E-11	0	1.51983E-11	0
521	571590.6	4178559	0.55, 41785	0.42104	0.44786	63.39282	43.98321	9.17705	7.35207	8.60823E-08	5.75E-10	8.67E-08	1.3E-05	5.65E-08	1.3E-05	1.88E-06	1.18E-08	1.89E-06	2.67E-11	8.07E-11	4.67E-11	0	0	0	0	8.666E-08	1.3017E-07	1.89E-06	2.22224E-11	0	1.36516E-11	0
522	570310.6	4178599	0.55, 41785	0.10507	0.08466	83.25071	28.48032	11.19876	3.62883	2.14817E-08	1.09E-10	2.16E-08	1.7E-05	3.66E-08	1.71E-05	2.29E-06	1.44E-08	2.3E-06	6.66E-12	2.01E-11	1.16E-11	0	0	0	0	2.159E-08	1.7057E-07	2.3E-06	5.53663E-12	0	3.40124E-12	0
523	570350.6	4178599	0.55, 41785	0.11716	0.09561	88.57329	30.33455	11.44069	3.79182	2.39536E-08	1.23E-10	2.41E-08	1.81E-05	3.90E-08	1.81E-05	2.34E-06	1.47E-08	2.35E-06	7.43E-12	2.24E-11	1.3E-11	0	0	0	0	2.408E-08	1.8148E-07	2.35E-06	6.17411E-12	0	3.79286E-12	0
524	570390.6	4178599	0.55, 41785	0.13131	0.10865	93.2639	32.45644	11.65799	4.05706	2.68465E-08	1.40E-10	2.7E-08	1.91E-05	4.17E-08	1.91E-05	2.38E-06	1.50E-08	2.4E-06	8.33E-12	2.51E-11	1.46E-11	0	0	0	0	2.699E-08	1.911E-07	2.4E-06	6.92028E-12	0	4.25124E-12	0
525	570430.6	4178599	0.55, 41785	0.15022	0.126	103.53542	36.02365	12.94193	4.50296	3.07127E-08	1.62E-10	3.09E-08	2.12E-05	4.63E-08	2.12E-05	2.65E-06	1.66E-08	2.66E-06	9.53E-12	2.88E-11	1.67E-11	0	0	0	0	3.087E-08	2.1214E-07	2.66E-06	7.91743E-12	0	4.86381E-12	0
526	570470.6	4178599	0.55, 41785	0.17421	0.14819	115.63183	39.91557	14.45398	5.34922	3.56175E-08	1.90E-10	3.58E-08	2.36E-05	5.13E-08	2.37E-05	2.96E-06	1.86E-08	2.97E-06	1.1E-11	3.34E-11	1.93E-11	0	0	0	0	3.581E-08	2.3692E-07	2.97E-06	9.18252E-12	0	5.64097E-12	0
527	570510.6	4178599	0.55, 41785	0.20799	0.17912	128.15759	44.54205	16.0197	6.36274	4.25239E-08	2.30E-10	4.28E-08	2.62E-05	5.72E-08	2.63E-05	3.28E-06	2.06E-08	3.3E-06	1.32E-11	3.98E-11	2.31E-11	0	0	0	0	4.275E-08	2.6259E-07	3.3E-06	1.09638E-11	0	6.73522E-12	0
528	570550.6	4178599	0.55, 41785	0.25382	0.22088	141.74172	51.90419	17.71771	7.41488	5.18939E-08	2.84E-10	5.22E-08	2.9E-05	6.67E-08	2.9E-05	3.62E-06	2.28E-08	3.65E-06	1.61E-11	4.86E-11	2.81E-11	0	0	0	0	5.218E-08	2.9046E-07	3.65E-06	1.33804E-11	0	8.21977E-12	0
529	570590.6	4178599	0.55, 41785	0.31442	0.27626	161.8077	62.94071	20.22596	8.27119	6.42837E-08	3.55E-10	6.46E-08	3.31E-05	8.09E-08	3.32E-05	4.14E-06	2.60E-08	4.16E-06	1.99E-11	6.02E-11	3.49E-11	0	0	0	0	6.464E-08	3.3163E-07	4.16E-06	1.65758E-11	0	1.01828E-11	0
530	570630.6	4178599	0.55, 41785	0.39904	0.35395	187.04764	77.01967	23.38095	12.20463	8.15844E-08	4.55E-10	8.2E-08	3.82E-05	9.90E-08	3.83E-05	4.78E-06	3.00E-08	4.81E-06	2.53E-11	7.64E-11	4.42E-11	0	0	0	0	8.204E-08	3.8341E-07	4.81E-06	2.1038E-11	0	1.2924E-11	0
531	570670.6	4178599	0.55, 41785	0.52025	0.46779	203.91154	89.67976	27.18561	17.16092	1.06366E-07	6.01E-10	1.07E-07	4.17E-05	1.15E-07	4.18E-05	5.56E-06	3.49E-08	5.59E-06	3.3E-11	9.97E-11	5.77E-11	0	0	0	0	1.07E-07	4.1805E-07	5.59E-06	2.74304E-11	0	1.6851E-11	0
532	570710.6	4178599	0.55, 41785	0.68748	0.63563	226.5911	101.22552	32.37016	22.387	1.40556E-07	8.17E-10	1.41E-07	4.63E-05	1.30E-07	4.65E-05	6.62E-06	4.16E-08	6.66E-06	4.36E-11	1.32E-10	7.63E-11	0	0	0	0	1.414E-07	4.6457E-07	6.66E-06	3.62535E-11	0	2.22711E-11	0
533	570750.6	4178599	0.55, 41785	0.91976	0.89022	243.41497	114.05895	34.77357	31.00996	1.88046E-07	1.14E-09	1.89E-07	4.98E-05	1.47E-07	4.99E-05	7.11E-06	4.47E-08	7.15E-06	5.84E-11	1.76E-10	1.02E-10	0	0	0	0	1.892E-07	4.9913E-07	7.15E-06	4.85156E-11	0	2.98039E-11	0
534	570790.6	4178599	0.55, 41785	1.20615	1.22781	261.32328	130.44037	39.31654	39.06207	2.46599E-07	1.58E-09	2.48E-07	5.34E-05	1.68E-07	5.36E-05	8.04E-06	5.05E-08	8.09E-06	7.66E-11	2.31E-10	1.34E-10	0	0	0	0	2.482E-07	5.3596E-07	8.09E-06	6.3642E-11	0	3.90963E-11	0
535	570830.6	4178599	0.55, 41785	1.86035	2.06593	307.79075	158.37727	57.33573	51.17396	3.80352E-07	2.65E-09	3.83E-07	6.29E-05	2.03E-07	6.31E-05	1.17E-05	7.37E-08	1.18E-05	1.18E-10	3.57E-10	2.07E-10	0	0	0	0	3.83E-07	6.3132E-07	1.18E-05	9.82174E-11	0	6.03365E-11	0
536	570870.6	4178599	0.55, 41785	2.81953	3.8452	429.66876	238.19724	77.96533	87.47681	5.76457E-07	4.94E-09	5.81E-07	8.78E-05	3.06E-07	8.82E-05	1.59E-05	1.00E-07	1.6E-05	1.79E-10	5.42E-10	3.14E-10	0	0	0	0	5.814E-07	8.8153E-07	1.6E-05	1.49093E-10	0	9.159E-11	0
537	570910.6	4178599	0.55, 41785	4.21414	6.38342	555.65098	273.48442	124.98504	103.73159	8.61588E-07	8.20E-09	8.7E-07	0.000114	3.51E-07	0.000114	2.56E-05	1.61E-07	2.57E-05	2.68E-10	8.1E-10	4.69E-10	0	0	0	0	8.698E-07	1.1396E-06	2.57E-05	2.23047E-10	0	1.37022E-10	0
538	570950.6	4178599	0.55, 41785	4.59898	4.54538	563.80012	195.03038	96.52509	58.5202	9.40269E-07	5.84E-09	9.46E-07	0.000115	2.51E-07	0.000116	1.97E-05	1.24E-07	1.99E-05	2.92E-10	8.82E-10	5.1E-10	0	0	0	0	9.461E-07	1.1552E-06	1.99E-05	2.42619E-10	0	1.49045E-10	0
539	570990.6	4178599	0.55, 41785	3.82228	3.4158	387.45867	157.86758	74.93195	45.58999	7.81471E-07	4.39E-09	7.86E-07	7.92E-05	2.03E-07	7.94E-05	1.53E-05	9.63E-08	1.54E-05	2.43E-10	7.32E-10	4.24E-10	0	0	0	0	7.859E-07	7.9419E-07	1.54E-05	2.01525E-10	0	1.238E-10	0
540	571030.6	4178599	0.55, 41785	3.02247	2.69987	442.17309	124.03841	67.82636	38.72372	6.17949E-07	3.47E-09	6.21E-07	9.04E-05	1.59E-07	9.06E-05	1.39E-05	8.71E-08	1.4E-05	1.92E-10	5.79E-10	3.35E-10	0	0	0	0	6.214E-07	9.0562E-07	1.4E-05	1.59355E-10	0	9.78945E-11	0
541	571070.6	4178599	0.55, 41785	2.43201	2.20804	323.32852	105.96293	49.87717	32.54487	4.97228E-07	2.84E-09	5E-07	6.61E-05	1.36E-07	6.62E-05	1.02E-05	6.41E-08	1.03E-05	1.54E-10	4.66E-10	2.7E-10	0	0	0	0	5.001E-07	6.6241E-07	1.03E-05	1.28236E-10	0	7.87774E-11	0
542	571110.6	4178599	0.55, 41785	1.9361	1.83698	285.52756	89.63178	42.26506	28.59229	3.95839E-07	2.36E-09	3.98E-07	5.84E-05	1.15E-07	5.85E-05	8.64E-06	5.43E-08	8.7E-06	1.23E-10	3.71E-10	2.15E-10	0	0	0	0	3.982E-07	5.8492E-07	8.7E-06	1.02113E-10	0	6.273E-11	0
543	571150.6	4178599	0.55, 41785	1.58315	1.55537	182.41041	88.91432	29.75311	25.20352	3.23678E-07	2.00E-09	3.26E-07	3.73E-05	1.14E-07	3.74E-05	6.08E-06	3.82E-08	6.12E-06	1E-10	3.03E-10	1.76E-10	0	0	0	0	3.257E-07	3.7408E-07	6.12E-06	8.35158E-11	0	5.13051E-11	0
544	571190.6	4178599	0.55, 41785	1.33739	1.33597	189.26194	77.8274	24.55337	21.99349	2.73432E-07	1.72E-09	2.75E-07	3.87E-05	1.00E-07	3.88E-05	5.02E-06	3.15E-08	5.05E-06	8.49E-11	2.56E-10	1.48E-10	0	0	0	0	2.751E-07	3.8795E-07	5.05E-06	7.05585E-11	0	4.33452E-11	0
545	571230.6	4178599	0.55, 41785	1.14183	1.1549	177.02423	70.01737	25.42204	18.83046	2.33449E-07	1.48E-09	2.35E-07	3.62E-05	9.00E-08	3.63E-05	5.2E-06	3.27E-08	5.23E-06	7.25E-11	2.19E-10	1.27E-10	0	0	0	0	2.349E-07	3.6283E-07	5.23E-06	6.02458E-11	0	3.701E-11	0
546	571270.6	4178599	0.55, 41785	0.97959	1.00523	160.46118	68.49541	22.92303	16.81937	2.00279E-07	1.29E-09	2.02E-07	3.28E-05	8.80E-08	3.29E-05	4.69E-06	2.95E-08	4.72E-06	6.22E-11	1.88E-10	1.09E-10	0	0	0	0	2.016E-07	3.2895E-07	4.72E-06	5.16903E-11	0	3.17542E-11	0
547	571310.6	4178599	0.55, 41785	0.84011	0.87488	131.92842	62.86665	16.49105	15.16442	1.71762E-07	1.12E-09	1.73E-07	2.7E-05	8.08E-08	2.71E-05	3.37E-06	2.12E-08	3.39E-06	5.33E-11	1.61E-10	9.33E-11	0	0	0	0	1.729E-07	2.7054E-07	3.39E-06	4.43346E-11	0	2.72354E-11	0
548	571350.6	4178599	0.55, 41785	0.73896	0.77159	149.85158	58.69155	22.55392	13.49962	1.51082E-07	9.91E-10	1.52E-07	3.06E-05	7.54E-08	3.07E-05	4.61E-06	2.90E-08	4.64E-06	4.69E-11	1.42E-10	8.2E-11	0	0	0	0	1.521E-07	3.0713E-07	4.64E-06	3.89973E-11	0	2.39567E-11	0
549	571390.6	4178599	0.55, 41785	0.661	0.68563	168.50279	56.32456	24.41155	12.10471	1.35143E-07	8.81E-10	1.36E-07	3.45E-05	7.24E-08	3.45E-05	4.99E-06	3.14E-08	5.02E-06	4.2E-11	1.27E-10	7.34E-11	0	0	0	0	1.36E-07	3.4523E-07	5.02E-06	3.48816E-11	0	2.14283E-11	0
550	571430.6	4178599	0.55, 41785	0.59511	0.61204	136.17098	51.76249	20.03651	10.61326	1.21671E-07	7.86E-10	1.22E-07	2.78E-05	6.65E-08	2.79E-05	4.1E-06	2.57E-08	4.12E-06	3.78E-11	1.14E-10	6.61E-11	0	0	0	0	1.225E-07	2.7907E-07	4.12E-06	3.14028E-11	0	1.92913E-11	0
551	571470.6	4178599	0.55, 41785	0.53051	0.54561	117.9441	47.17442	16.84916	9.40387	1.08464E-07	7.01E-10	1.09E-07	2.41E-05	6.06E-08	2.42E-05	3.44E-06	2.16E-08	3.47E-06	3.37E-11	1.02E-10	5.89E-11	0	0	0	0	1.092E-07	2.4174E-07	3.47E-06	2.7994E-11	0	1.71972E-11	0
552	571510.6	4178599	0.55, 41785	0.47218	0.48877	120.07824	45.51387	16.38718	8.49605	9.6538E-08	6.28E-10	9.72E-08	2.46E-05	5.85E-08	2.46E-05	3.35E-06	2.11E-08	3.37E-06	3E-11	9.05E-11	5.24E-11	0	0	0	0	9.717E-08	2.4609E-07	3.37E-06	2.49171E-11	0	1.5307E-11	0
553	571550.6	4178599	0.55, 41785	0.42043	0.43954	119.99429	43.92883	16.43506	7.56489	8.59576E-08	5.65E-10	8.65E-08	2.45E-05	5.64E-08	2.46E-05	3.36E-06	2.11E-08	3.38E-06	2.67E-11	8.06E-11	4.67E-11	0	0	0	0	8.652E-08	2.4589E-07	3.38E-06	2.21876E-11	0	1.36302E-11	0
554	571590.6	4178599	0.55, 41785	0.37632	0.39688	100.33698	42.40478	13.86046	7.00095	7.69392E-08	5.10E-10	7.74E-08	2.05E-05	5.45E-08	2.06E-05	2.83E-06	1.78E-08	2.85E-06	2.39E-11	7.22E-11	4.18E-11	0	0	0	0	7.745E-08	2.0569E-07	2.85E-06	1.98609E-11	0	1.22009E-11	0
555	570310.6	4178639	0.55, 41786	0.10356	0.08559	83.92303	29.66661	10.49038	3.70833	2.1173E-08	1.10E-10	2.13E-08	1.72E-05	3.81E-08	1.72E-05	2.14E-06	1.35E-08	2.16E-06	6.57E-12	1.98E-11	1.15E-11	0	0	0	0	2.128E-08	1.7196E-07	2.16E-06	5.45777E-12	0	3.3528E-12	0
556	570350.6	4178639	0.55, 41786	0.1161	0.09716	92.63397	32.60646	11.57925	4.08084	2.37368E-08	1.25E-10	2.39E-08	1.89E-05	4.19E-08	1.9E-05	2.37E-06	1.49E-08	2.38E-06	7.36E-12	2.22E-11	1.29E-11	0	0	0	0	2.386E-08	1.8981E-07	2.38E-06	6.11904E-12	0	3.75903E-12	0
557	570390.6	4178639	0.55, 41786	0.13068	0.11086	100.54346	34.97331	12.56793	4.70976	2.67177E-08	1.42E-10	2.69E-08	2.06E-05	4.49E-08	2.06E-05	2.57E-06	1.61E-08	2.59E-06	8.29E-12	2.5E-11	1.45E-11	0	0	0	0	2.686E-08	2.0601E-07	2.59E-06	6.88798E-12	0	4.2314E-12	0
558	570430.6	4178639	0.55, 41786	0.14929	0.12834	107.49924	37.52244	13.4374	5.36035	3.05226E-08	1.65E-10	3.07E-08	2.2E-05	4.82E-08	2.2E-05	2.75E-06	1.73E-08	2.76E-06	9.47E-12	2.86E-11	1.66E-11	0	0	0	0	3.069E-08	2.2027E-07	2.76E-06	7.86944E-12	0	4.83433E-12	0
559	570470.6	4178639	0.55, 41786	0.17443	0.15183	116.62505	42.4162	14.57813	6.05946	3.56625E-08	1.95E-10	3.59E-08	2.38E-05	5.45E-08	2.39E-05	2.98E-06	1.87E-08	3E-06	1.11E-11	3.34E-11	1.93E-11	0	0	0	0	3.586E-08	2.3899E-07	3E-06	9.19525E-12	0	5.64879E-12	0
560	570510.6	4178639	0.55, 41786	0.20768	0.18277	127.00459	48.18252	15.87557	6.71257	4.24605E-08	2.35E-10	4.27E-08	2.6E-05	6.19E-08	2.6E-05	3.25E-06	2.04E-08	3.27E-06	1.32E-11	3.98E-11	2.3E-11	0	0	0	0	4.27E-08	2.6028E-07	3.27E-06	1.09487E-11	0	6.72598E-12	0
561	570550.6	4178639	0.55, 41786	0.2504	0.22269	148.76746	59.99627	18.59593	7.58374	5.11947E-08	2.86E-10	5.15E-08	3.04E-05	7.71E-08	3.05E-05	3.8E-06	2.39E-08	3.83E-06	1.59E-11	4.8E-11	2.78E-11	0	0	0	0	5.148E-08	3.0493E-07	3.83E-06	1.32016E-11	0	8.10999E-12	0
562	570590.6	4178639	0.55, 41786	0.30521	0.27478	162.38276	69.4472	20.29784	10.74133	6.24007E-08	3.53E-10	6.28E-08	3.32E-05	8.92E-08	3.33E-05	4.15E-06	2.61E-08	4.18E-06	1.94E-11	5.85E-11	3.38E-11	0	0	0	0	6.275E-08	3.3289E-07	4.18E-06	1.60925E-11	0	9.88586E-12	0
563	570630.6	4178639	0.55, 41786	0.37839	0.34592	177.15033	78.68271	23.7109	14.16715	7.73624E-08	4.44E-10	7.78E-08	3.62E-05	1.01E-07	3.63E-05	4.85E-06	3.05E-08	4.88E-06	2.4E-11	7.25E-11	4.2E-11	0	0	0	0	7.781E-08	3.632E-07	4.88E-06	1.99527E-11	0	1.22572E-11	0
564	570670.6	4178639	0.55, 41786	0.47152	0.44129	194.04584	86.02037	27.72083	17.24466	9.6403E-08	5.67E-10	9.7E-08	3.97E-05	1.11E-07	3.98E-05	5.67E-06	3.56E-08	5.7E-06	2.99E-11	9.03E-11	5.23E-11	0	0	0	0	9.697E-08	3.9784E-07	5.7E-06	2.48668E-11	0	1.52761E-11	0
565	570710.6	4178639	0.55, 41786	0.59058	0.57043	207.44684	93.90742	29.63526	21.88085	1.20745E-07	7.33E-10	1.21E-07	4.24E-05	1.21E-07	4.25E-05	6.06E-06	3.81E-08	6.1E-06	3.75E-11	1.13E-10	6.55E-11	0	0	0	0	1.215E-07	4.2533E-07	6.1E-06	3.11516E-11	0	1.91369E-11	0
566	570750.6	4178639	0.55, 41786	0.7421	0.74424	219.27007	107.04803	31.3243	27.05481	1.51724E-07	9.56E-10	1.53E-07	4.48E-05	1.38E-07	4.5E-05	6.4E-06	4.02E-08	6.44E-06	4.71E-11	1.42E-10	8.24E-11	0	0	0	0	1.527E-07	4.4968E-07	6.44E-06	3.91529E-11	0	2.40523E-11	0
567	570790.6	4178639	0.55, 41786	0.94425	0.97087	237.37937	117.94026	33.01145	30.70173	1.93053E-07	1.25E-09	1.94E-07	4.85E-05	1.52E-07	4.87E-05	6.75E-06	4.24E-08	6.79E-06	6E-11	1.81E-10	1.05E-10	0	0	0	0	1.943E-07	4.8684E-07	6.79E-06	4.98262E-11	0	3.0609E-11	0
568	570830.6	4178639	0.55, 41786	1.23329	1.33292	295.25944	130.22679	42.69044	39.99654	2.52148E-07	1.71E-09	2.54E-07	6.04E-05	1.67E-07	6.05E-05	8.73E-06	5.48E-08	8.78E-06	7.83E-11	2.37E-10	1.37E-10	0	0	0	0	2.539E-07	6.0534E-07	8.78E-06	6.50996E-11	0	3.99917E-11	0
569	570870.6	4178639	0.55, 41786	1.50989	1.73214	317.24906	188.19869	58.25942	53.82297	3.08699E-07	2.23E-09	3.11E-07	6.49E-05	2.42E-07	6.51E-05	1.19E-05	7.48E-08	1.2E-05	9.59E-11	2.9E-10	1.68E-10	0	0	0	0	3.109E-07	6.5104E-07	1.2E-05	7.97331E-11	0	4.89813E-11	0
570	570910.6	4178639	0.55, 41786	1.78259	1.99297	332.58479	179.86407	63.94152	52.98497	3.64453E-07	2.56E-09	3.67E-07	6.8E-05	2.31E-07	6.82E-05	1.31E-05	8.21E-08	1.32E-05	1.13E-10	3.42E-10	1.98E-10	0	0	0	0	3.67E-07	6.8229E-07	1.32E-05	9.41164E-11	0	5.78173E-11	0
571	570950.6	4178639	0.55, 41786	1.86524	1.94862	326.77204	147.92341	57.64661	41.4452	3.81351E-07	2.50E-09	3.84E-07	6.68E-05	1.90E-07	6.7E-05	1.18E-05	7.41E-08	1.19E-05	1.18E-10	3.58E-10	2.07E-10	0	0	0	0	3.839E-07	6.6999E-07	1.19E-05	9.84351E-11	0	6.04703E-11	0
572	570990.6	4178639	0.55, 41786	1.76592	1.78245	311.73236	122.31574	43.80696	33.57582	3.61045E-07	2.29E-09	3.63E-07	6.37E-05	1.57E-07	6.39E-05	8.96E-06	5.63E-08	9.01E-06	1.12E-10	3.39E-10	1.96E-10	0	0	0	0	3.633E-07	6.3891E-07	9.01E-06	9.31731E-11	0	5.72377E-11	0
573	571030.6	4178639	0.55, 41786	1.5977	1.58915	263.38378	106.70114	40.88022	26.80487	3.26652E-07	2.04E-09	3.29E-07	5.38E-05	1.37E-07	5.4E-05	8.36E-06	5.25E-08	8.41E-06	1.01E-10	3.06E-10	1.77E-10	0	0	0	0	3.287E-07	5.3986E-07	8.41E-06	8.42898E-11	0	5.17806E-11	0
574	571070.6	4178639	0.55, 41786	1.42629	1.41473	323.91584	92.06505	44.84431	24.93328	2.91607E-07	1.82E-09	2.93E-07	6.62E-05	1.18E-07	6.63E-05	9.17E-06	5.76E-08	9.23E-06	9.05E-11	2.73E-10	1.58E-10	0	0	0	0	2.934E-07	6.6343E-07	9.23E-06	7.52454E-11	0	4.62245E-11	0
575	571110.6	4178639	0.55, 41786	1.27265	1.25146	231.49813	85.11921	34.4516	22.95032	2.60195E-07	1.61E-09	2.62E-07	4.73E-05	1.09E-07	4.74E-05	7.04E-06	4.43E-08	7.09E-06	8.08E-11	2.44E-10	1.41E-10	0	0	0	0	2.618E-07	4.744E-07	7.09E-06	6.71364E-11	0	4.1243E-11	0
576	571150.6	4178639	0.55, 41786	1.10067	1.1079	235.36335	78.49538	33.92291	20.75102	2.25034E-07	1.42E-09	2.26E-07	4.81E-05	1.01E-07	4.82E-05	6.94E-06	4.36E-08	6.98E-06	6.99E-11	2.11E-10	1.22E-10	0	0	0	0	2.265E-07	4.8221E-07	6.98E-06	5.80723E-11	0	3.56748E-11	0
577	571190.6	4178639	0.55, 41786	0.96404	0.98605	150.10185	73.9658	22.00887	18.66835	1.971E-07	1.27E-09	1.98E-07	3.07E-05	9.50E-08	3.08E-05	4.5E-06	2.83E-08	4.53E-06	6.12E-11	1.85E-10	1.07E-10	0	0	0	0	1.984E-07	3.0784E-07	4.53E-06	5.08687E-11	0	3.12495E-11	0
578	571230.6	4178639	0.55, 41786	0.85847	0.87787	130.71922	65.23747	20.98447	16.26127	1.75516E-07	1.13E-09	1.77E-07	2.67E-05	8.38E-08	2.68E-05	4.29E-06	2.70E-08	4.32E-06	5.45E-11	1.65E-10	9.53E-11	0	0	0	0	1.766E-07	2.681E-07	4.32E-06	4.52982E-11	0	2.78274E-11	0
579	571270.6	4178639	0.55, 41786	0.76521	0.78388	147.71702	61.52416	22.46264	14.29709	1.56448E-07	1.01E-09	1.57E-07	3.02E-05	7.90E-08	3.03E-05	4.59E-06	2.89E-08	4.62E-06	4.86E-11	1.47E-10	8.49E-11	0	0	0	0	1.575E-07	3.028E-07	4.62E-06	4.03776E-11	0	2.48046E-11	0
580	571310.6	4178639	0.55, 41786	0.67814	0.70066	136.41117	59.8434	17.34958	13.40052	1.38647E-07	9.00E-10	1.4E-07	2.79E-05	7.69E-08	2.8E-05	3.55E-06	2.23E-08	3.57E-06	4.31E-11	1.3E-10	7.53E-11	0	0	0	0	1.395E-07	2.7966E-07	3.57E-06	3.57852E-11	0	2.19834E-11	0
581	571350.6	4178639	0.55, 41786	0.60279	0.6273	124.67819	56.4143	15.58477	12.33978	1.23241E-07	8.06E-10	1.24E-07	2.55E-05	7.25E-08	2.56E-05	3.19E-06	2.00E-08	3.21E-06	3.83E-11	1.16E-10	6.69E-11	0	0	0	0	1.24E-07	2.5563E-07	3.21E-06	3.18105E-11	0	1.95417E-11	0
582	571390.6	4178639	0.55, 41786	0.54567	0.56561	134.64293	53.30447	19.4501	11.04071	1.11563E-07	7.27E-10	1.12E-07	2.75E-05	6.85E-08	2.76E-05	3.98E-06	2.50E-08	4E-06	3.47E-11	1.05E-10	6.06E-11	0	0	0	0	1.123E-07	2.7596E-07	4E-06	2.87954E-11	0	1.76895E-11	0
583	571430.6	4178639	0.55, 41786	0.50035	0.51255	147.79016	50.85435	20.77571	9.97795	1.02297E-07	6.59E-10	1.03E-07	3.02E-05	6.53E-08	3.03E-05	4.25E-06	2.67E-08	4.27E-06	3.18E-11	9.59E-11	5.55E-11	0	0	0	0	1.03E-07	3.0281E-07	4.27E-06	2.64018E-11	0	1.62191E-11	0
584	571470.6	4178639	0.55, 41786	0.45884	0.46513	118.76181	47.03177	16.94782	8.9119	9.38106E-08	5.98E-10	9.44E-08	2.43E-05	6.04E-08	2.43E-05	3.47E-06	2.18E-08	3.49E-06	2.91E-11	8.8E-11	5.09E-11	0	0	0	0	9.441E-08	2.4341E-07	3.49E-06	2.42099E-11	0	1.48725E-11	0
585	571510.6	4178639	0.55, 41786	0.41516	0.4204	105.04191	43.02213	15.00599	7.61313	8.48801E-08	5.40E-10	8.54E-08	2.15E-05	5.53E-08	2.15E-05	3.07E-06	1.93E-08	3.09E-06	2.64E-11	7.96E-11	4.61E-11	0	0	0	0	8.542E-08	2.1531E-07	3.09E-06	2.1905E-11	0	1.34566E-11	0
586	571550.6	4178639	0.55, 41786	0.37489	0.38245	101.59712	41.64808	13.25702	7.0054	7.66469E-08	4.91E-10	7.71E-08	2.08E-05	5.35E-08	2.08E-05	2.71E-06	1.70E-08	2.73E-06	2.38E-11	7.19E-11	4.16E-11	0	0	0	0	7.714E-08	2.0825E-07	2.73E-06	1.97812E-11	0	1.21519E-11	0
587	571590.6	4178639	0.55, 41786	0.33863	0.34937	106.83121	40.48294	14.45913	6.53587	6.92335E-08	4.49E-10	6.97E-08	2.18E-05	5.20E-08	2.19E-05	2.96E-06	1.86E-08	2.97E-06	2.15E-11	6.49E-11	3.76E-11	0	0	0	0	6.968E-08	2.1894E-07	2.97E-06	1.78692E-11	0	1.09774E-11	0
588	570310.6	4178679	0.55, 41786	0.10291	0.0869	88.39628	30.98258	11.04953	4.21243	2.10401E-08	1.12E-10	2.12E-08	1.81E-05	3.98E-08	1.81E-05	2.26E-06	1.42E-08	2.27E-06	6.53E-12	1.97E-11	1.14E-11	0	0	0	0	2.115E-08	1.8113E-07	2.27E-06	5.42412E-12	0	3.33213E-12	0
589	570350.6	4178679	0.55, 41786	0.11574	0.09888	93.23081	33.32166	11.65385	4.76024	2.36632E-08	1.27E-10	2.38E-08	1.91E-05	4.28E-08	1.91E-05	2.38E-06	1.50E-08	2.4E-06	7.34E-12	2.22E-11	1.28E-11	0	0	0	0	2.379E-08	1.9104E-07	2.4E-06	6.10074E-12	0	3.74778E-12	0
590	570390.6	4178679	0.55, 41786	0.13137	0.11361	99.39798	36.831	12.42475	5.26157	2.68588E-08	1.46E-10	2.7E-08	2.03E-05	4.73E-08	2.04E-05	2.54E-06	1.60E-08	2.56E-06	8.33E-12	2.52E-11	1.46E-11	0	0	0	0	2.7E-08	2.0369E-07	2.56E-06	6.92506E-12	0	4.25418E-12	0
591	570430.6	4178679	0.55, 41786	0.15074	0.13191	105.99103	39.73692	13.24888	5.6767	3.0819E-08	1.69E-10	3.1E-08	2.17E-05	5.11E-08	2.17E-05	2.71E-06	1.70E-08	2.73E-06	9.56E-12	2.89E-11	1.67E-11	0	0	0	0	3.099E-08	2.1721E-07	2.73E-06	7.94664E-12	0	4.88175E-12	0
592	570470.6	4178679	0.55, 41786	0.17494	0.15487	121.69462	47.75873	15.21183	5.96984	3.57668E-08	1.99E-10	3.6E-08	2.49E-05	6.14E-08	2.49E-05	3.11E-06	1.95E-08	3.13E-06	1.11E-11	3.35E-11	1.94E-11	0	0	0	0	3.597E-08	2.4942E-07	3.13E-06	9.22299E-12	0	5.66584E-12	0
593	570510.6	4178679	0.55, 41786	0.2057	0.18414	135.37794	56.46386	16.92224	7.12807	4.20557E-08	2.37E-10	4.23E-08	2.77E-05	7.25E-08	2.78E-05	3.46E-06	2.17E-08	3.48E-06	1.31E-11	3.94E-11	2.28E-11	0	0	0	0	4.229E-08	2.7751E-07	3.48E-06	1.08454E-11	0	6.66248E-12	0
594	570550.6	4178679	0.55, 41786	0.2434	0.22078	142.10791	62.60325	17.76349	9.55219	4.97635E-08	2.84E-10	5E-08	2.91E-05	8.04E-08	2.91E-05	3.63E-06	2.28E-08	3.65E-06	1.54E-11	4.66E-11	2.7E-11	0	0	0	0	5.005E-08	2.9135E-07	3.65E-06	1.2834E-11	0	7.88414E-12	0
595	570590.6	4178679	0.55, 41786	0.29132	0.2684	157.44437	70.02377	21.20731	12.01595	5.95608E-08	3.45E-10	5.99E-08	3.22E-05	9.00E-08	3.23E-05	4.34E-06	2.72E-08	4.36E-06	1.85E-11	5.58E-11	3.23E-11	0	0	0	0	5.991E-08	3.228E-07	4.36E-06	1.53621E-11	0	9.4372E-12	0
596	570630.6	4178679	0.55, 41786	0.34871	0.32823	170.78411	74.6949	24.39773	14.09383	7.12943E-08	4.22E-10	7.17E-08	3.49E-05	9.60E-08	3.5E-05	4.99E-06	3.13E-08	5.02E-06	2.21E-11	6.68E-11	3.87E-11	0	0	0	0	7.172E-08	3.5013E-07	5.02E-06	1.83907E-11	0	1.12977E-11	0
597	570670.6	4178679	0.55, 41786	0.41782	0.40379	181.29369	80.27499	25.8991	15.99045	8.5424E-08	5.19E-10	8.59E-08	3.71E-05	1.03E-07	3.72E-05	5.3E-06	3.33E-08	5.33E-06	2.65E-11	8.01E-11	4.64E-11	0	0	0	0	8.594E-08	3.7169E-07	5.33E-06	2.2039E-11	0	1.35389E-11	0
598	570710.6	4178679	0.55, 41786	0.49876	0.49687	185.88712	90.92914	26.5553	19.21501	1.01972E-07	6.38E-10	1.03E-07	3.8E-05	1.17E-07	3.81E-05	5.43E-06	3.41E-08	5.46E-06	3.17E-11	9.56E-11	5.53E-11	0	0	0	0	1.026E-07	3.8122E-07	5.46E-06	2.63133E-11	0	1.61647E-11	0
599	570750.6	4178679	0.55, 41786	0.59336	0.60818	195.07014	97.11431	27.40212	20.89244	1.21313E-07	7.81E-10	1.22E-07	3.99E-05	1.25E-07	4E-05	5.6E-06	3.52E-08	5.64E-06	3.77E-11	1.14E-10	6.59E-11	0	0	0	0	1.221E-07	4.0007E-07	5.64E-06	3.13098E-11	0	1.92341E-11	0
600	570790.6	4178679	0.55, 41786	0.71288	0.74367	232.56486	100.08812	29.70634	25.09865	1.45749E-07	9.55E-10	1.47E-07	4.75E-05	1.29E-07	4.77E-05	6.07E-06	3.82E-08	6.11E-06	4.53E-11	1.37E-10	7.91E-11	0	0	0	0	1.467E-07	4.7677E-07	6.11E-06	3.76208E-11	0	2.3111E-11	0
601	570830.6	4178679	0.55, 41786	0.82835	0.8948	250.25968	113.32691	36.36599	33.16876	1.69357E-07	1.15E-09	1.71E-07	5.12E-05	1.46E-07	5.13E-05	7.44E-06	4.67E-08	7.48E-06	5.26E-11	1.59E-10	9.2E-11	0	0	0	0	1.705E-07	5.1312E-07	7.48E-06	4.37246E-11	0	2.68607E-11	0
602	570870.6	4178679	0.55, 41786	0.92801	1.04065	269.45277	158.88347	39.41339	35.15016	1.89733E-07	1.34E-09	1.91E-07	5.51E-05	2.04E-07	5.53E-05	8.06E-06	5.06E-08	8.11E-06	5.9E-11	1.78E-10	1.03E-10	0	0	0	0	1.911E-07	5.5294E-07	8.11E-06	4.89977E-11	0	3.01001E-11	0
603	570910.6	4178679	0.55, 41786	1.03394	1.13081	259.70616	144.94226	42.20689	35.5523	2.11391E-07	1.45E-09	2.13E-07	5.31E-05	1.86E-07	5.33E-05	8.63E-06	5.42E-08	8.68E-06	6.57E-11	1.98E-10	1.15E-10	0	0	0	0	2.128E-07	5.3284E-07	8.68E-06	5.45812E-11	0	3.35301E-11	0
604	570950.6	4178679	0.55, 41786	1.05684	1.13643	242.80014	123.49716	39.92153	30.15323	2.16073E-07	1.46E-09	2.18E-07	4.96E-05	1.59E-07	4.98E-05	8.16E-06	5.13E-08	8.21E-06	6.71E-11	2.03E-10	1.17E-10	0	0	0	0	2.175E-07	4.98E-07	8.21E-06	5.57837E-11	0	3.42688E-11	0
605	570990.6	4178679	0.55, 41786	1.01802	1.09421	255.86386	105.93706	37.15781	26.85338	2.08136E-07	1.41E-09	2.1E-07	5.23E-05	1.36E-07	5.24E-05	7.6E-06	4.77E-08	7.64E-06	6.47E-11	1.95E-10	1.13E-10	0	0	0	0	2.095E-07	5.2448E-07	7.64E-06	5.37345E-11	0	3.301E-11	0
606	571030.6	4178679	0.55, 41786	0.98373	1.03259	224.24787	96.85684	32.03518	21.71644	2.01125E-07	1.33E-09	2.02E-07	4.58E-05	1.24E-07	4.6E-05	6.55E-06	4.12E-08	6.59E-06	6.25E-11	1.89E-10	1.09E-10	0	0	0	0	2.025E-07	4.5972E-07	6.59E-06	5.19164E-11	0	3.18931E-11	0
607	571070.6	4178679	0.55, 41786	0.92088	0.95493	234.21131	81.25508	29.84103	18.74017	1.88275E-07	1.23E-09	1.9E-07	4.79E-05	1.04E-07	4.8E-05	6.1E-06	3.83E-08	6.14E-06	5.85E-11	1.77E-10	1.02E-10	0	0	0	0	1.895E-07	4.7989E-07	6.14E-06	4.85956E-11	0	2.98531E-11	0
608	571110.6	4178679	0.55, 41786	0.85296	0.87816	249.82687	76.90023	32.83771	18.41049	1.74389E-07	1.13E-09	1.76E-07	5.11E-05	9.88E-08	5.12E-05	6.71E-06	4.22E-08	6.76E-06	5.42E-11	1.64E-10	9.47E-11	0	0	0	0	1.755E-07	5.1176E-07	6.76E-06	4.50094E-11	0	2.765E-11	0
609	571150.6	4178679	0.55, 41786	0.78449	0.80428	184.12399	71.8753	26.94504	17.68151	1.6039E-07	1.03E-09	1.61E-07	3.76E-05	9.23E-08	3.77E-05	5.51E-06	3.46E-08	5.54E-06	4.98E-11	1.5E-10	8.71E-11	0	0	0	0	1.614E-07	3.7737E-07	5.54E-06	4.13952E-11	0	2.54297E-11	0
610	571190.6	4178679	0.55, 41786	0.70872	0.73542	192.12547	69.23049	27.25383	16.04767	1.44899E-07	9.45E-10	1.46E-07	3.93E-05	8.89E-08	3.94E-05	5.57E-06	3.50E-08	5.61E-06	4.5E-11	1.36E-10	7.87E-11	0	0	0	0	1.458E-07	3.9369E-07	5.61E-06	3.73999E-11	0	2.29754E-11	0
611	571230.6	4178679	0.55, 41786	0.64141	0.6715	152.95792	62.82263	21.78847	14.44714	1.31137E-07	8.63E-10	1.32E-07	3.13E-05	8.07E-08	3.14E-05	4.45E-06	2.80E-08	4.48E-06	4.07E-11	1.23E-10	7.12E-11	0	0	0	0	1.32E-07	3.1353E-07	4.48E-06	3.38499E-11	0	2.07945E-11	0
612	571270.6	4178679	0.55, 41786	0.5854	0.61191	124.65244	57.66905	20.54509	12.75642	1.19686E-07	7.86E-10	1.2E-07	2.55E-05	7.41E-08	2.56E-05	4.2E-06	2.64E-08	4.23E-06	3.72E-11	1.12E-10	6.5E-11	0	0	0	0	1.205E-07	2.5559E-07	4.23E-06	3.08937E-11	0	1.89785E-11	0
613	571310.6	4178679	0.55, 41786	0.53447	0.5582	125.80787	55.1913	17.97255	11.70277	1.09273E-07	7.17E-10	1.1E-07	2.57E-05	7.09E-08	2.58E-05	3.67E-06	2.31E-08	3.7E-06	3.39E-11	1.02E-10	5.93E-11	0	0	0	0	1.1E-07	2.5793E-07	3.7E-06	2.82058E-11	0	1.73273E-11	0
614	571350.6	4178679	0.55, 41786	0.48504	0.50906	111.39997	53.56601	13.925	11.19981	9.91672E-08	6.54E-10	9.98E-08	2.28E-05	6.88E-08	2.28E-05	2.85E-06	1.79E-08	2.86E-06	3.08E-11	9.3E-11	5.38E-11	0	0	0	0	9.982E-08	2.2845E-07	2.86E-06	2.5598E-11	0	1.57253E-11	0
615	571390.6	4178679	0.55, 41786	0.44312	0.4655	107.51836	51.27371	13.43979	10.40254	9.05966E-08	5.98E-10	9.12E-08	2.2E-05	6.59E-08	2.2E-05	2.75E-06	1.73E-08	2.77E-06	2.81E-11	8.5E-11	4.92E-11	0	0	0	0	9.119E-08	2.2048E-07	2.77E-06	2.33858E-11	0	1.43663E-11	0
616	571430.6	4178679	0.55, 41786	0.41031	0.42684	122.12368	48.88835	17.23844	9.36082	8.38885E-08	5.48E-10	8.44E-08	2.5E-05	6.28E-08	2.5E-05	3.52E-06	2.21E-08	3.55E-06	2.61E-11	7.87E-11	4.55E-11	0	0	0	0	8.444E-08	2.5031E-07	3.55E-06	2.16529E-11	0	1.33017E-11	0
617	571470.6	4178679	0.55, 41786	0.38401	0.39267	130.83453	46.56818	18.03085	8.50414	7.85115E-08	5.04E-10	7.9E-08	2.67E-05	5.98E-08	2.68E-05	3.69E-06	2.32E-08	3.71E-06	2.44E-11	7.36E-11	4.26E-11	0	0	0	0	7.902E-08	2.6809E-07	3.71E-06	2.02627E-11	0	1.24477E-11	0
618	571510.6	4178679	0.55, 41786	0.35733	0.36026	104.69184	43.30646	14.57371	7.68103	7.30567E-08	4.63E-10	7.35E-08	2.14E-05	5.56E-08	2.15E-05	2.98E-06	1.87E-08	3E-06	2.27E-11	6.85E-11	3.97E-11	0	0	0	0	7.352E-08	2.146E-07	3E-06	1.88532E-11	0	1.15818E-11	0
619	571550.6	4178679	0.55, 41786	0.32923	0.33046	93.91251	40.06683	13.41607	6.60436	6.73116E-08	4.25E-10	6.77E-08	1.92E-05	5.15E-08	1.93E-05	2.74E-06	1.72E-08	2.76E-06	2.09E-11	6.31E-11	3.65E-11	0	0	0	0	6.774E-08	1.9252E-07	2.76E-06	1.73702E-11	0	1.06708E-11	0
620	571590.6	4178679	0.55, 41786	0.30119	0.30402	90.51235	37.8645	11.49242	5.95997	6.15788E-08	3.91E-10	6.2E-08	1.85E-05	4.86E-08	1.86E-05	2.35E-06	1.48E-08	2.36E-06	1.91E-11	5.77E-11	3.34E-11	0	0	0	0	6.197E-08	1.8554E-07	2.36E-06	1.58913E-11	0	9.7623E-12	0
621	570310.6	4178719	0.55, 41787	0.10285	0.08839	86.08959	31.99227	10.7612	4.57032	2.10278E-08	1.14E-10	2.11E-08	1.76E-05	4.11E-08	1.76E-05	2.2E-06	1.38E-08	2.21E-06	6.52E-12	1.97E-11	1.14E-11	0	0	0	0	2.114E-08	1.7642E-07	2.21E-06	5.42147E-12	0	3.3305E-12	0
622	570350.6	4178719	0.55, 41787	0.11563	0.10049	90.6137	34.18211	11.32671	4.88316	2.36407E-08	1.29E-10	2.38E-08	1.85E-05	4.39E-08	1.86E-05	2.32E-06	1.46E-08	2.33E-06	7.33E-12	2.21E-11	1.28E-11	0	0	0	0	2.377E-08	1.857E-07	2.33E-06	6.0955E-12	0	3.74456E-12	0
623	570390.6	4178719	0.55, 41787	0.13114	0.11521	102.01088	38.97546	12.75136	5.08393	2.68118E-08	1.48E-10	2.7E-08	2.09E-05	5.01E-08	2.09E-05	2.61E-06	1.64E-08	2.62E-06	8.32E-12	2.51E-11	1.45E-11	0	0	0	0	2.696E-08	2.0906E-07	2.62E-06	6.91353E-12	0	4.24709E-12	0
624	570430.6	4178719	0.55, 41787	0.15	0.13322	114.28488	46.41789	14.28561	5.80224	3.06677E-08	1.71E-10	3.08E-08	2.34E-05	5.96E-08	2.34E-05	2.92E-06	1.84E-08	2.94E-06	9.52E-12	2.87E-11	1.66E-11	0	0	0	0	3.084E-08	2.3425E-07	2.94E-06	7.90828E-12	0	4.85818E-12	0
625	570470.6	4178719	0.55, 41787	0.17288	0.1553	122.16306	52.59309	15.27038	6.67803	3.53456E-08	2.00E-10	3.55E-08	2.5E-05	6.76E-08	2.5E-05	3.12E-06	1.96E-08	3.14E-06	1.1E-11	3.31E-11	1.92E-11	0	0	0	0	3.555E-08	2.5044E-07	3.14E-06	9.11513E-12	0	5.59957E-12	0
626	570510.6	4178719	0.55, 41787	0.1999	0.18201	126.87173	56.8638	15.85897	8.56143	4.08699E-08	2.34E-10	4.11E-08	2.59E-05	7.31E-08	2.6E-05	3.24E-06	2.04E-08	3.26E-06	1.27E-11	3.83E-11	2.22E-11	0	0	0	0	4.11E-08	2.6012E-07	3.26E-06	1.05406E-11	0	6.47524E-12	0
627	570550.6	4178719	0.55, 41787	0.2328	0.21534	141.7684	62.68438	19.27806	10.36338	4.75963E-08	2.77E-10	4.79E-08	2.9E-05	8.05E-08	2.91E-05	3.94E-06	2.48E-08	3.97E-06	1.48E-11	4.46E-11	2.58E-11	0	0	0	0	4.787E-08	2.9065E-07	3.97E-06	1.22765E-11	0	7.54164E-12	0
628	570590.6	4178719	0.55, 41787	0.2704	0.25529	152.6333	65.86327	21.80476	11.76563	5.52837E-08	3.28E-10	5.56E-08	3.12E-05	8.46E-08	3.13E-05	4.46E-06	2.80E-08	4.49E-06	1.72E-11	5.18E-11	3E-11	0	0	0	0	5.561E-08	3.1291E-07	4.49E-06	1.4261E-11	0	8.76075E-12	0
629	570630.6	4178719	0.55, 41787	0.31352	0.30328	160.25221	70.5161	22.89317	12.52474	6.40997E-08	3.90E-10	6.45E-08	3.28E-05	9.06E-08	3.29E-05	4.68E-06	2.94E-08	4.71E-06	1.99E-11	6.01E-11	3.48E-11	0	0	0	0	6.449E-08	3.2854E-07	4.71E-06	1.65375E-11	0	1.01593E-11	0
630	570670.6	4178719	0.55, 41787	0.36149	0.3594	159.13882	79.23774	22.73412	14.05012	7.39072E-08	4.62E-10	7.44E-08	3.25E-05	1.02E-07	3.26E-05	4.65E-06	2.92E-08	4.68E-06	2.29E-11	6.93E-11	4.01E-11	0	0	0	0	7.437E-08	3.2638E-07	4.68E-06	1.90711E-11	0	1.17157E-11	0
631	570710.6	4178719	0.55, 41787	0.41184	0.42167	168.39934	82.78202	23.84947	15.22445	8.42014E-08	5.42E-10	8.47E-08	3.44E-05	1.06E-07	3.45E-05	4.88E-06	3.06E-08	4.91E-06	2.62E-11	7.9E-11	4.57E-11	0	0	0	0	8.474E-08	3.4536E-07	4.91E-06	2.17314E-11	0	1.33499E-11	0
632	570750.6	4178719	0.55, 41787	0.46631	0.48852	193.26616	81.97611	24.83922	16.78199	9.53378E-08	6.28E-10	9.6E-08	3.95E-05	1.05E-07	3.96E-05	5.08E-06	3.19E-08	5.11E-06	2.96E-11	8.94E-11	5.18E-11	0	0	0	0	9.597E-08	3.9619E-07	5.11E-06	2.46092E-11	0	1.51178E-11	0
633	570790.6	4178719	0.55, 41787	0.5297	0.5627	208.56721	92.88706	26.09236	23.00092	1.08298E-07	7.23E-10	1.09E-07	4.26E-05	1.19E-07	4.28E-05	5.33E-06	3.35E-08	5.37E-06	3.36E-11	1.02E-10	5.88E-11	0	0	0	0	1.09E-07	4.2761E-07	5.37E-06	2.79572E-11	0	1.71745E-11	0
634	570830.6	4178719	0.55, 41787	0.58417	0.63922	206.25232	102.59816	28.9378	25.69667	1.19435E-07	8.21E-10	1.2E-07	4.22E-05	1.32E-07	4.23E-05	5.92E-06	3.72E-08	5.95E-06	3.71E-11	1.12E-10	6.49E-11	0	0	0	0	1.203E-07	4.23E-07	5.95E-06	3.08382E-11	0	1.89444E-11	0
635	570870.6	4178719	0.55, 41787	0.63384	0.71183	208.40577	136.85909	28.70976	24.7437	1.2959E-07	9.15E-10	1.31E-07	4.26E-05	1.76E-07	4.28E-05	5.87E-06	3.69E-08	5.91E-06	4.03E-11	1.22E-10	7.04E-11	0	0	0	0	1.305E-07	4.2785E-07	5.91E-06	3.34663E-11	0	2.05589E-11	0
636	570910.6	4178719	0.55, 41787	0.68401	0.75343	211.07044	124.31957	30.70854	25.49482	1.39847E-07	9.68E-10	1.41E-07	4.32E-05	1.60E-07	4.33E-05	6.28E-06	3.95E-08	6.32E-06	4.35E-11	1.31E-10	7.6E-11	0	0	0	0	1.408E-07	4.3313E-07	6.32E-06	3.61103E-11	0	2.21832E-11	0
637	570950.6	4178719	0.55, 41787	0.69007	0.76497	207.10313	108.18225	30.79195	24.65468	1.41086E-07	9.83E-10	1.42E-07	4.23E-05	1.39E-07	4.25E-05	6.3E-06	3.96E-08	6.34E-06	4.38E-11	1.32E-10	7.66E-11	0	0	0	0	1.421E-07	4.2482E-07	6.34E-06	3.64319E-11	0	2.23807E-11	0
638	570990.6	4178719	0.55, 41787	0.68048	0.74999	206.58356	95.47159	32.17827	21.60129	1.39125E-07	9.64E-10	1.4E-07	4.22E-05	1.23E-07	4.24E-05	6.58E-06	4.13E-08	6.62E-06	4.32E-11	1.31E-10	7.56E-11	0	0	0	0	1.401E-07	4.2359E-07	6.62E-06	3.59241E-11	0	2.20688E-11	0
639	571030.6	4178719	0.55, 41787	0.66194	0.72353	210.3532	86.11281	30.372	18.42489	1.35335E-07	9.30E-10	1.36E-07	4.3E-05	1.11E-07	4.31E-05	6.21E-06	3.90E-08	6.25E-06	4.2E-11	1.27E-10	7.35E-11	0	0	0	0	1.363E-07	4.3118E-07	6.25E-06	3.49434E-11	0	2.14663E-11	0
640	571070.6	4178719	0.55, 41787	0.64029	0.68839	181.70859	76.31707	22.73215	15.52213	1.30908E-07	8.84E-10	1.32E-07	3.72E-05	9.80E-08	3.72E-05	4.65E-06	2.92E-08	4.68E-06	4.07E-11	1.23E-10	7.11E-11	0	0	0	0	1.318E-07	3.7249E-07	4.68E-06	3.37967E-11	0	2.07619E-11	0
641	571110.6	4178719	0.55, 41787	0.60626	0.64543	207.95149	70.27092	26.16426	14.32632	1.23951E-07	8.29E-10	1.25E-07	4.25E-05	9.03E-08	4.26E-05	5.35E-06	3.36E-08	5.38E-06	3.85E-11	1.16E-10	6.73E-11	0	0	0	0	1.248E-07	4.2606E-07	5.38E-06	3.19984E-11	0	1.96571E-11	0
642	571150.6	4178719	0.55, 41787	0.57256	0.60327	200.64391	66.12781	25.68735	14.52342	1.17061E-07	7.75E-10	1.18E-07	4.1E-05	8.50E-08	4.11E-05	5.25E-06	3.30E-08	5.28E-06	3.64E-11	1.1E-10	6.36E-11	0	0	0	0	1.178E-07	4.1107E-07	5.28E-06	3.02176E-11	0	1.85632E-11	0
643	571190.6	4178719	0.55, 41787	0.53842	0.56251	154.3512	63.9477	22.19645	14.00077	1.10081E-07	7.23E-10	1.11E-07	3.16E-05	8.22E-08	3.16E-05	4.54E-06	2.85E-08	4.57E-06	3.42E-11	1.03E-10	5.98E-11	0	0	0	0	1.108E-07	3.164E-07	4.57E-06	2.84143E-11	0	1.74554E-11	0
644	571230.6	4178719	0.55, 41787	0.49735	0.52247	159.72675	60.41971	22.34048	12.75874	1.01684E-07	6.71E-10	1.02E-07	3.27E-05	7.76E-08	3.27E-05	4.57E-06	2.87E-08	4.6E-06	3.16E-11	9.54E-11	5.52E-11	0	0	0	0	1.024E-07	3.2734E-07	4.6E-06	2.62478E-11	0	1.61245E-11	0
645	571270.6	4178719	0.55, 41787	0.45612	0.4836	144.14128	55.22387	20.17616	11.51496	9.32545E-08	6.21E-10	9.39E-08	2.95E-05	7.09E-08	2.95E-05	4.13E-06	2.59E-08	4.15E-06	2.9E-11	8.75E-11	5.06E-11	0	0	0	0	9.388E-08	2.9541E-07	4.15E-06	2.40734E-11	0	1.47887E-11	0
646	571310.6	4178719	0.55, 41787	0.42006	0.44717	118.44349	52.26024	17.97136	10.56882	8.58819E-08	5.75E-10	8.65E-08	2.42E-05	6.71E-08	2.43E-05	3.67E-06	2.31E-08	3.7E-06	2.67E-11	8.06E-11	4.66E-11	0	0	0	0	8.646E-08	2.4283E-07	3.7E-06	2.21708E-11	0	1.36199E-11	0
647	571350.6	4178719	0.55, 41787	0.38785	0.41385	109.17018	50.24459	14.07795	10.0186	7.92966E-08	5.32E-10	7.98E-08	2.23E-05	6.46E-08	2.24E-05	2.88E-06	1.81E-08	2.9E-06	2.46E-11	7.44E-11	4.31E-11	0	0	0	0	7.983E-08	2.2385E-07	2.9E-06	2.0471E-11	0	1.25757E-11	0
648	571390.6	4178719	0.55, 41787	0.35875	0.38356	87.70597	48.80309	10.96325	9.64341	7.3347E-08	4.93E-10	7.38E-08	1.79E-05	6.27E-08	1.8E-05	2.24E-06	1.41E-08	2.26E-06	2.28E-11	6.88E-11	3.98E-11	0	0	0	0	7.384E-08	1.7994E-07	2.26E-06	1.89354E-11	0	1.16323E-11	0
649	571430.6	4178719	0.55, 41787	0.33385	0.35563	80.9107	47.09106	11.59229	8.99084	6.82562E-08	4.57E-10	6.87E-08	1.65E-05	6.05E-08	1.66E-05	2.37E-06	1.49E-08	2.38E-06	2.12E-11	6.4E-11	3.71E-11	0	0	0	0	6.871E-08	1.6603E-07	2.38E-06	1.76207E-11	0	1.08247E-11	0
650	571470.6	4178719	0.55, 41787	0.31507	0.33052	111.40642	45.19171	15.57659	8.16367	6.44166E-08	4.25E-10	6.48E-08	2.28E-05	5.81E-08	2.28E-05	3.18E-06	2.00E-08	3.2E-06	2E-11	6.04E-11	3.5E-11	0	0	0	0	6.484E-08	2.2835E-07	3.2E-06	1.66278E-11	0	1.02147E-11	0
651	571510.6	4178719	0.55, 41787	0.29891	0.30701	116.70467	43.07153	15.95519	7.46065	6.11126E-08	3.94E-10	6.15E-08	2.39E-05	5.53E-08	2.39E-05	3.26E-06	2.05E-08	3.28E-06	1.9E-11	5.73E-11	3.32E-11	0	0	0	0	6.151E-08	2.3916E-07	3.28E-06	1.57728E-11	0	9.68947E-12	0
652	571550.6	4178719	0.55, 41787	0.28299	0.28542	93.20798	40.2806	12.81909	6.80365	5.78578E-08	3.67E-10	5.82E-08	1.91E-05	5.18E-08	1.91E-05	2.62E-06	1.65E-08	2.64E-06	1.8E-11	5.42E-11	3.14E-11	0	0	0	0	5.822E-08	1.9108E-07	2.64E-06	1.4931E-11	0	9.17235E-12	0
653	571590.6	4178719	0.55, 41787	0.2649	0.26495	84.18961	37.57199	12.02709	5.93847	5.41592E-08	3.40E-10	5.45E-08	1.72E-05	4.83E-08	1.73E-05	2.46E-06	1.55E-08	2.47E-06	1.68E-11	5.08E-11	2.94E-11	0	0	0	0	5.45E-08	1.7261E-07	2.47E-06	1.39758E-11	0	8.58556E-12	0
654	570310.6	4178759	0.55, 41787	0.10291	0.08971	86.89901	32.22927	10.86238	4.40505	2.10401E-08	1.15E-10	2.12E-08	1.78E-05	4.14E-08	1.78E-05	2.22E-06	1.40E-08	2.23E-06	6.53E-12	1.97E-11	1.14E-11	0	0	0	0	2.116E-08	1.7808E-07	2.23E-06	5.42505E-12	0	3.3327E-12	0
655	570350.6	4178759	0.55, 41787	0.11544	0.10167	97.89636	38.6449	12.23704	4.83061	2.36019E-08	1.31E-10	2.37E-08	2E-05	4.96E-08	2.01E-05	2.5E-06	1.57E-08	2.52E-06	7.32E-12	2.21E-11	1.28E-11	0	0	0	0	2.373E-08	2.0065E-07	2.52E-06	6.08593E-12	0	3.73868E-12	0
656	570390.6	4178759	0.55, 41787	0.13027	0.11595	105.67733	44.34348	13.20967	5.54293	2.66339E-08	1.49E-10	2.68E-08	2.16E-05	5.70E-08	2.17E-05	2.7E-06	1.70E-08	2.72E-06	8.26E-12	2.5E-11	1.44E-11	0	0	0	0	2.678E-08	2.1663E-07	2.72E-06	6.86816E-12	0	4.21922E-12	0
657	570430.6	4178759	0.55, 41787	0.14773	0.133	109.21499	48.49986	13.65187	6.24447	3.02036E-08	1.71E-10	3.04E-08	2.23E-05	6.23E-08	2.24E-05	2.79E-06	1.75E-08	2.81E-06	9.37E-12	2.83E-11	1.64E-11	0	0	0	0	3.037E-08	2.2391E-07	2.81E-06	7.78919E-12	0	4.78503E-12	0
658	570470.6	4178759	0.55, 41787	0.16767	0.15301	117.79795	52.53636	14.72474	7.71399	3.42804E-08	1.97E-10	3.45E-08	2.41E-05	6.75E-08	2.42E-05	3.01E-06	1.89E-08	3.03E-06	1.06E-11	3.21E-11	1.86E-11	0	0	0	0	3.448E-08	2.4151E-07	3.03E-06	8.84122E-12	0	5.43131E-12	0
659	570510.6	4178759	0.55, 41787	0.191	0.17712	128.29828	56.17436	17.6792	9.03197	3.90503E-08	2.28E-10	3.93E-08	2.62E-05	7.22E-08	2.63E-05	3.61E-06	2.27E-08	3.64E-06	1.21E-11	3.66E-11	2.12E-11	0	0	0	0	3.928E-08	2.6303E-07	3.64E-06	1.00723E-11	0	6.1876E-12	0
660	570550.6	4178759	0.55, 41787	0.21672	0.20498	137.63049	58.52483	19.6615	9.95092	4.43088E-08	2.63E-10	4.46E-08	2.81E-05	7.52E-08	2.82E-05	4.02E-06	2.53E-08	4.05E-06	1.38E-11	4.15E-11	2.4E-11	0	0	0	0	4.457E-08	2.8214E-07	4.05E-06	1.143E-11	0	7.02163E-12	0
661	570590.6	4178759	0.55, 41787	0.24504	0.23724	142.23889	62.68425	20.31984	10.25836	5.00988E-08	3.05E-10	5.04E-08	2.91E-05	8.05E-08	2.92E-05	4.15E-06	2.61E-08	4.18E-06	1.56E-11	4.7E-11	2.72E-11	0	0	0	0	5.04E-08	2.9162E-07	4.18E-06	1.29254E-11	0	7.9403E-12	0
662	570630.6	4178759	0.55, 41787	0.27554	0.27375	139.19636	70.02218	19.61007	11.07526	5.63346E-08	3.52E-10	5.67E-08	2.85E-05	9.00E-08	2.85E-05	4.01E-06	2.52E-08	4.03E-06	1.75E-11	5.28E-11	3.06E-11	0	0	0	0	5.669E-08	2.8549E-07	4.03E-06	1.45365E-11	0	8.93003E-12	0
663	570670.6	4178759	0.55, 41787	0.30614	0.31293	149.31547	72.47289	21.10931	12.07881	6.25908E-08	4.02E-10	6.3E-08	3.05E-05	9.31E-08	3.06E-05	4.32E-06	2.71E-08	4.34E-06	1.94E-11	5.87E-11	3.4E-11	0	0	0	0	6.299E-08	3.0621E-07	4.34E-06	1.61538E-11	0	9.92353E-12	0
664	570710.6	4178759	0.55, 41787	0.33494	0.35231	164.794	71.08708	21.55176	13.08376	6.8479E-08	4.53E-10	6.89E-08	3.37E-05	9.13E-08	3.38E-05	4.41E-06	2.77E-08	4.43E-06	2.13E-11	6.42E-11	3.72E-11	0	0	0	0	6.893E-08	3.3784E-07	4.43E-06	1.76767E-11	0	1.08591E-11	0
665	570750.6	4178759	0.55, 41787	0.36674	0.3924	179.38877	78.60477	22.4236	16.36841	7.49806E-08	5.04E-10	7.55E-08	3.67E-05	1.01E-07	3.68E-05	4.58E-06	2.88E-08	4.61E-06	2.33E-11	7.03E-11	4.07E-11	0	0	0	0	7.548E-08	3.6777E-07	4.61E-06	1.93572E-11	0	1.18914E-11	0
666	570790.6	4178759	0.55, 41787	0.40357	0.43625	166.36606	82.34558	21.7564	19.87746	8.25105E-08	5.60E-10	8.31E-08	3.4E-05	1.06E-07	3.41E-05	4.45E-06	2.80E-08	4.48E-06	2.56E-11	7.74E-11	4.48E-11	0	0	0	0	8.307E-08	3.412E-07	4.48E-06	2.13026E-11	0	1.30865E-11	0
667	570830.6	4178759	0.55, 41787	0.43354	0.48203	188.6599	98.62945	24.95504	19.43466	8.8638E-08	6.19E-10	8.93E-08	3.86E-05	1.27E-07	3.87E-05	5.1E-06	3.21E-08	5.13E-06	2.75E-11	8.32E-11	4.81E-11	0	0	0	0	8.926E-08	3.8699E-07	5.13E-06	2.2889E-11	0	1.40611E-11	0
668	570870.6	4178759	0.55, 41787	0.46387	0.52331	172.12292	120.25167	21.51536	18.67269	9.4839E-08	6.72E-10	9.55E-08	3.52E-05	1.54E-07	3.53E-05	4.4E-06	2.76E-08	4.43E-06	2.95E-11	8.9E-11	5.15E-11	0	0	0	0	9.551E-08	3.5345E-07	4.43E-06	2.44928E-11	0	1.50463E-11	0
669	570910.6	4178759	0.55, 41787	0.49085	0.54778	176.15826	108.72169	23.43896	19.655	1.00355E-07	7.04E-10	1.01E-07	3.6E-05	1.40E-07	3.62E-05	4.79E-06	3.01E-08	4.82E-06	3.12E-11	9.42E-11	5.45E-11	0	0	0	0	1.011E-07	3.6156E-07	4.82E-06	2.59154E-11	0	1.59202E-11	0
670	570950.6	4178759	0.55, 41787	0.48762	0.55475	180.46301	97.04885	24.36206	20.46933	9.96947E-08	7.13E-10	1E-07	3.69E-05	1.25E-07	3.7E-05	4.98E-06	3.13E-08	5.01E-06	3.1E-11	9.36E-11	5.42E-11	0	0	0	0	1.004E-07	3.7021E-07	5.01E-06	2.57483E-11	0	1.58176E-11	0
671	570990.6	4178759	0.55, 41787	0.49051	0.55159	151.23194	87.28492	25.20532	17.38113	1.00286E-07	7.09E-10	1.01E-07	3.09E-05	1.12E-07	3.1E-05	5.15E-06	3.24E-08	5.19E-06	3.12E-11	9.41E-11	5.45E-11	0	0	0	0	1.01E-07	3.1032E-07	5.19E-06	2.58988E-11	0	1.591E-11	0
672	571030.6	4178759	0.55, 41787	0.48428	0.53663	187.58168	78.86438	28.06386	15.68835	9.90118E-08	6.89E-10	9.97E-08	3.84E-05	1.01E-07	3.85E-05	5.74E-06	3.61E-08	5.77E-06	3.08E-11	9.29E-11	5.38E-11	0	0	0	0	9.97E-08	3.8453E-07	5.77E-06	2.55672E-11	0	1.57064E-11	0
673	571070.6	4178759	0.55, 41787	0.467	0.51625	163.79974	72.83551	22.54296	13.46245	9.54789E-08	6.63E-10	9.61E-08	3.35E-05	9.36E-08	3.36E-05	4.61E-06	2.90E-08	4.64E-06	2.97E-11	8.96E-11	5.19E-11	0	0	0	0	9.614E-08	3.3583E-07	4.64E-06	2.46545E-11	0	1.51457E-11	0
674	571110.6	4178759	0.55, 41787	0.44755	0.4933	157.0432	65.36033	19.63651	11.35189	9.15023E-08	6.34E-10	9.21E-08	3.21E-05	8.40E-08	3.22E-05	4.01E-06	2.52E-08	4.04E-06	2.84E-11	8.58E-11	4.97E-11	0	0	0	0	9.214E-08	3.2192E-07	4.04E-06	2.36272E-11	0	1.45146E-11	0
675	571150.6	4178759	0.55, 41787	0.4302	0.46818	183.98767	62.14189	23.05685	11.54043	8.79551E-08	6.02E-10	8.86E-08	3.76E-05	7.98E-08	3.77E-05	4.71E-06	2.96E-08	4.74E-06	2.73E-11	8.25E-11	4.78E-11	0	0	0	0	8.856E-08	3.7696E-07	4.74E-06	2.27093E-11	0	1.39507E-11	0
676	571190.6	4178759	0.55, 41787	0.41561	0.44245	166.33485	59.4631	21.02615	11.70076	8.49721E-08	5.68E-10	8.55E-08	3.4E-05	7.64E-08	3.41E-05	4.3E-06	2.70E-08	4.33E-06	2.64E-11	7.97E-11	4.61E-11	0	0	0	0	8.554E-08	3.4084E-07	4.33E-06	2.19359E-11	0	1.34756E-11	0
677	571230.6	4178759	0.55, 41787	0.39577	0.41616	133.04594	57.55284	19.00656	11.25795	8.09158E-08	5.35E-10	8.15E-08	2.72E-05	7.39E-08	2.73E-05	3.89E-06	2.44E-08	3.91E-06	2.51E-11	7.59E-11	4.39E-11	0	0	0	0	8.145E-08	2.7275E-07	3.91E-06	2.0887E-11	0	1.28312E-11	0
678	571270.6	4178759	0.55, 41787	0.36933	0.38979	133.93343	52.76944	18.49966	10.32502	7.55101E-08	5.01E-10	7.6E-08	2.74E-05	6.78E-08	2.75E-05	3.78E-06	2.38E-08	3.81E-06	2.35E-11	7.08E-11	4.1E-11	0	0	0	0	7.601E-08	2.7451E-07	3.81E-06	1.94921E-11	0	1.19743E-11	0
679	571310.6	4178759	0.55, 41787	0.3411	0.36413	131.1619	50.25063	18.11843	9.56125	6.97384E-08	4.68E-10	7.02E-08	2.68E-05	6.46E-08	2.69E-05	3.7E-06	2.33E-08	3.73E-06	2.17E-11	6.54E-11	3.79E-11	0	0	0	0	7.021E-08	2.6881E-07	3.73E-06	1.80036E-11	0	1.10599E-11	0
680	571350.6	4178759	0.55, 41787	0.31543	0.34037	103.20737	47.94128	14.62528	9.08266	6.44902E-08	4.37E-10	6.49E-08	2.11E-05	6.16E-08	2.12E-05	2.99E-06	1.88E-08	3.01E-06	2E-11	6.05E-11	3.5E-11	0	0	0	0	6.493E-08	2.1163E-07	3.01E-06	1.66499E-11	0	1.02283E-11	0
681	571390.6	4178759	0.55, 41787	0.29206	0.31801	95.20975	46.26011	11.90122	8.7596	5.97121E-08	4.09E-10	6.01E-08	1.95E-05	5.94E-08	1.95E-05	2.43E-06	1.53E-08	2.45E-06	1.86E-11	5.6E-11	3.24E-11	0	0	0	0	6.012E-08	1.9525E-07	2.45E-06	1.54173E-11	0	9.47107E-12	0
682	571430.6	4178759	0.55, 41787	0.27184	0.29676	65.82255	44.97926	8.48847	8.42183	5.55781E-08	3.81E-10	5.6E-08	1.35E-05	5.78E-08	1.35E-05	1.74E-06	1.09E-08	1.75E-06	1.73E-11	5.21E-11	3.02E-11	0	0	0	0	5.596E-08	1.3515E-07	1.75E-06	1.43501E-11	0	8.81552E-12	0
683	571470.6	4178759	0.55, 41787	0.25781	0.27877	74.19853	43.62462	10.92817	7.8818	5.27097E-08	3.58E-10	5.31E-08	1.52E-05	5.60E-08	1.52E-05	2.23E-06	1.40E-08	2.25E-06	1.64E-11	4.94E-11	2.86E-11	0	0	0	0	5.307E-08	1.5226E-07	2.25E-06	1.36086E-11	0	8.36E-12	0
684	571510.6	4178759	0.55, 41787	0.24715	0.26193	102.14842	42.0514	14.2101	7.23025	5.05302E-08	3.37E-10	5.09E-08	2.09E-05	5.40E-08	2.09E-05	2.91E-06	1.83E-08	2.92E-06	1.57E-11	4.74E-11	2.74E-11	0	0	0	0	5.087E-08	2.0938E-07	2.92E-06	1.30442E-11	0	8.01325E-12	0
685	571550.6	4178759	0.55, 41787	0.23772	0.24585	104.82233	40.15762	14.31586	6.66643	4.86022E-08	3.16E-10	4.89E-08	2.14E-05	5.16E-08	2.15E-05	2.93E-06	1.84E-08	2.95E-06	1.51E-11	4.56E-11	2.64E-11	0	0	0	0	4.892E-08	2.1483E-07	2.95E-06	1.25445E-11	0	7.70628E-12	0
686	571590.6	4178759	0.55, 41787	0.22808	0.23097	83.60184	37.747	11.46846	6.12919	4.66313E-08	2.97E-10	4.69E-08	1.71E-05	4.85E-08	1.71E-05	2.34E-06	1.47E-08	2.36E-06	1.45E-11	4.37E-11	2.53E-11	0	0	0	0	4.693E-08	1.7141E-07	2.36E-06	1.20342E-11	0	7.39278E-12	0
687	570310.6	4178799	0.55, 41787	0.10253	0.09048	92.22772	37.68456	11.52846	4.71057	2.09624E-08	1.16E-10	2.11E-08	1.89E-05	4.84E-08	1.89E-05	2.36E-06	1.48E-08	2.37E-06	6.5E-12	1.96E-11	1.14E-11	0	0	0	0	2.108E-08	1.8905E-07	2.37E-06	5.40538E-12	0	3.32061E-12	0
688	570350.6	4178799	0.55, 41787	0.11434	0.10195	96.42289	41.82094	12.05286	5.22762	2.3377E-08	1.31E-10	2.35E-08	1.97E-05	5.37E-08	1.98E-05	2.46E-06	1.55E-08	2.48E-06	7.25E-12	2.19E-11	1.27E-11	0	0	0	0	2.351E-08	1.9768E-07	2.48E-06	6.02835E-12	0	3.70331E-12	0
689	570390.6	4178799	0.55, 41787	0.12785	0.11532	96.70849	44.28794	12.08856	5.83168	2.61391E-08	1.48E-10	2.63E-08	1.98E-05	5.69E-08	1.98E-05	2.47E-06	1.55E-08	2.49E-06	8.11E-12	2.45E-11	1.42E-11	0	0	0	0	2.629E-08	1.9829E-07	2.49E-06	6.74107E-12	0	4.14115E-12	0
690	570430.6	4178799	0.55, 41787	0.14288	0.13064	109.4746	48.39009	13.83026	6.97525	2.9212E-08	1.68E-10	2.94E-08	2.24E-05	6.22E-08	2.24E-05	2.83E-06	1.78E-08	2.85E-06	9.07E-12	2.74E-11	1.58E-11	0	0	0	0	2.938E-08	2.2444E-07	2.85E-06	7.53413E-12	0	4.62834E-12	0
691	570470.6	4178799	0.55, 41787	0.15993	0.14857	116.3647	50.80214	16.31235	7.92735	3.26979E-08	1.91E-10	3.29E-08	2.38E-05	6.53E-08	2.39E-05	3.34E-06	2.10E-08	3.36E-06	1.01E-11	3.06E-11	1.77E-11	0	0	0	0	3.289E-08	2.3856E-07	3.36E-06	8.43396E-12	0	5.18112E-12	0
692	570510.6	4178799	0.55, 41787	0.17816	0.16871	124.77861	52.11481	17.82552	8.49382	3.64251E-08	2.17E-10	3.66E-08	2.55E-05	6.70E-08	2.56E-05	3.64E-06	2.29E-08	3.67E-06	1.13E-11	3.41E-11	1.98E-11	0	0	0	0	3.664E-08	2.5578E-07	3.67E-06	9.39638E-12	0	5.77235E-12	0
693	570550.6	4178799	0.55, 41787	0.19752	0.19131	126.89522	56.18657	18.12789	8.51005	4.03833E-08	2.46E-10	4.06E-08	2.59E-05	7.22E-08	2.6E-05	3.71E-06	2.33E-08	3.73E-06	1.25E-11	3.79E-11	2.19E-11	0	0	0	0	4.063E-08	2.6016E-07	3.73E-06	1.04189E-11	0	6.40047E-12	0
694	570590.6	4178799	0.55, 41787	0.21773	0.21627	122.68072	62.5324	17.14296	9.80776	4.45153E-08	2.78E-10	4.48E-08	2.51E-05	8.03E-08	2.52E-05	3.5E-06	2.20E-08	3.53E-06	1.38E-11	4.17E-11	2.42E-11	0	0	0	0	4.479E-08	2.5163E-07	3.53E-06	1.14867E-11	0	7.05645E-12	0
695	570630.6	4178799	0.55, 41787	0.23771	0.24268	133.9153	64.36556	18.95021	10.72759	4.86002E-08	3.12E-10	4.89E-08	2.74E-05	8.27E-08	2.75E-05	3.87E-06	2.43E-08	3.9E-06	1.51E-11	4.56E-11	2.64E-11	0	0	0	0	4.891E-08	2.7462E-07	3.9E-06	1.25429E-11	0	7.70531E-12	0
696	570670.6	4178799	0.55, 41787	0.25595	0.26895	141.94782	63.09907	19.13844	10.57117	5.23294E-08	3.46E-10	5.27E-08	2.9E-05	8.11E-08	2.91E-05	3.91E-06	2.46E-08	3.94E-06	1.63E-11	4.91E-11	2.84E-11	0	0	0	0	5.267E-08	2.9103E-07	3.94E-06	1.35079E-11	0	8.29811E-12	0
697	570710.6	4178799	0.55, 41787	0.27273	0.29382	157.12572	66.69563	19.64072	11.93189	5.57601E-08	3.77E-10	5.61E-08	3.21E-05	8.57E-08	3.22E-05	4.02E-06	2.52E-08	4.04E-06	1.73E-11	5.23E-11	3.03E-11	0	0	0	0	5.614E-08	3.221E-07	4.04E-06	1.43958E-11	0	8.84359E-12	0
698	570750.6	4178799	0.55, 41787	0.29355	0.31916	152.65771	72.44297	19.08221	15.18472	6.00168E-08	4.10E-10	6.04E-08	3.12E-05	9.31E-08	3.13E-05	3.9E-06	2.45E-08	3.93E-06	1.86E-11	5.63E-11	3.26E-11	0	0	0	0	6.043E-08	3.1304E-07	3.93E-06	1.54958E-11	0	9.51929E-12	0
699	570790.6	4178799	0.55, 41787	0.31688	0.34759	157.73005	72.26845	20.13646	16.34526	6.47866E-08	4.47E-10	6.52E-08	3.22E-05	9.28E-08	3.23E-05	4.12E-06	2.59E-08	4.14E-06	2.01E-11	6.08E-11	3.52E-11	0	0	0	0	6.523E-08	3.2341E-07	4.14E-06	1.67283E-11	0	1.02765E-11	0
700	570830.6	4178799	0.55, 41787	0.33524	0.37796	162.23746	94.66133	21.09567	14.73083	6.85404E-08	4.86E-10	6.9E-08	3.32E-05	1.22E-07	3.33E-05	4.31E-06	2.71E-08	4.34E-06	2.13E-11	6.43E-11	3.72E-11	0	0	0	0	6.903E-08	3.3291E-07	4.34E-06	1.77009E-11	0	1.0874E-11	0
701	570870.6	4178799	0.55, 41787	0.35595	0.40358	158.80625	107.46352	19.85078	16.70272	7.27746E-08	5.19E-10	7.33E-08	3.25E-05	1.38E-07	3.26E-05	4.06E-06	2.55E-08	4.08E-06	2.26E-11	6.83E-11	3.95E-11	0	0	0	0	7.329E-08	3.2606E-07	4.08E-06	1.87952E-11	0	1.15462E-11	0
702	570910.6	4178799	0.55, 41787	0.3676	0.41723	150.41188	96.98395	18.80149	15.72408	7.51564E-08	5.36E-10	7.57E-08	3.08E-05	1.25E-07	3.09E-05	3.84E-06	2.42E-08	3.87E-06	2.34E-11	7.05E-11	4.08E-11	0	0	0	0	7.569E-08	3.0877E-07	3.87E-06	1.94104E-11	0	1.19242E-11	0
703	570950.6	4178799	0.55, 41787	0.34637	0.40141	159.46188	87.41269	19.93273	16.48069	7.08159E-08	5.16E-10	7.13E-08	3.26E-05	1.12E-07	3.27E-05	4.08E-06	2.56E-08	4.1E-06	2.2E-11	6.65E-11	3.85E-11	0	0	0	0	7.133E-08	3.2715E-07	4.1E-06	1.82922E-11	0	1.12372E-11	0
704	570990.6	4178799	0.55, 41787	0.35579	0.40756	119.48057	79.68844	17.5796	14.60553	7.27418E-08	5.24E-10	7.33E-08	2.44E-05	1.02E-07	2.45E-05	3.59E-06	2.26E-08	3.62E-06	2.26E-11	6.83E-11	3.95E-11	0	0	0	0	7.327E-08	2.453E-07	3.62E-06	1.87881E-11	0	1.15418E-11	0
705	571030.6	4178799	0.55, 41787	0.37225	0.416	155.14917	72.93395	24.86673	12.948	7.61071E-08	5.34E-10	7.66E-08	3.17E-05	9.37E-08	3.18E-05	5.08E-06	3.19E-08	5.12E-06	2.37E-11	7.14E-11	4.13E-11	0	0	0	0	7.664E-08	3.1814E-07	5.12E-06	1.96538E-11	0	1.20737E-11	0
706	571070.6	4178799	0.55, 41787	0.3594	0.40135	158.59146	67.81733	22.65592	11.74555	7.34799E-08	5.16E-10	7.4E-08	3.24E-05	8.71E-08	3.25E-05	4.63E-06	2.91E-08	4.66E-06	2.28E-11	6.89E-11	3.99E-11	0	0	0	0	7.4E-08	3.2511E-07	4.66E-06	1.89753E-11	0	1.16568E-11	0
707	571110.6	4178799	0.55, 41787	0.34191	0.38638	133.9595	62.41991	16.74494	10.40332	6.99041E-08	4.96E-10	7.04E-08	2.74E-05	8.02E-08	2.75E-05	3.42E-06	2.15E-08	3.45E-06	2.17E-11	6.56E-11	3.8E-11	0	0	0	0	7.04E-08	2.7468E-07	3.45E-06	1.80534E-11	0	1.10905E-11	0
708	571150.6	4178799	0.55, 41787	0.32926	0.37153	140.52662	58.47073	17.56829	9.74512	6.73177E-08	4.77E-10	6.78E-08	2.87E-05	7.51E-08	2.88E-05	3.59E-06	2.26E-08	3.61E-06	2.09E-11	6.32E-11	3.66E-11	0	0	0	0	6.78E-08	2.8806E-07	3.61E-06	1.73853E-11	0	1.068E-11	0
709	571190.6	4178799	0.55, 41787	0.32393	0.35615	162.80337	55.99612	20.37225	9.46414	6.6228E-08	4.58E-10	6.67E-08	3.33E-05	7.19E-08	3.34E-05	4.17E-06	2.62E-08	4.19E-06	2.06E-11	6.21E-11	3.6E-11	0	0	0	0	6.669E-08	3.3357E-07	4.19E-06	1.71007E-11	0	1.05053E-11	0
710	571230.6	4178799	0.55, 41787	0.31732	0.33876	141.0743	54.42569	17.72831	9.52966	6.48766E-08	4.35E-10	6.53E-08	2.88E-05	6.99E-08	2.89E-05	3.62E-06	2.28E-08	3.65E-06	2.02E-11	6.09E-11	3.52E-11	0	0	0	0	6.531E-08	2.8913E-07	3.65E-06	1.67485E-11	0	1.02888E-11	0
711	571270.6	4178799	0.55, 41787	0.30415	0.32027	116.54381	51.24633	16.64912	9.13765	6.2184E-08	4.11E-10	6.26E-08	2.38E-05	6.58E-08	2.39E-05	3.4E-06	2.14E-08	3.43E-06	1.93E-11	5.83E-11	3.38E-11	0	0	0	0	6.26E-08	2.3893E-07	3.43E-06	1.60519E-11	0	9.86092E-12	0
712	571310.6	4178799	0.55, 41787	0.28608	0.30211	111.77517	48.08718	15.28029	8.60329	5.84895E-08	3.88E-10	5.89E-08	2.29E-05	6.18E-08	2.29E-05	3.12E-06	1.96E-08	3.14E-06	1.82E-11	5.49E-11	3.18E-11	0	0	0	0	5.888E-08	2.2914E-07	3.14E-06	1.50985E-11	0	9.27525E-12	0
713	571350.6	4178799	0.55, 41787	0.26522	0.28423	116.94553	46.1941	15.97517	8.23917	5.42247E-08	3.65E-10	5.46E-08	2.39E-05	5.93E-08	2.4E-05	3.27E-06	2.05E-08	3.29E-06	1.68E-11	5.09E-11	2.94E-11	0	0	0	0	5.459E-08	2.3969E-07	3.29E-06	1.39989E-11	0	8.59977E-12	0
714	571390.6	4178799	0.55, 41787	0.24309	0.26586	101.64822	44.37475	13.96186	7.97488	4.97001E-08	3.42E-10	5E-08	2.08E-05	5.70E-08	2.08E-05	2.85E-06	1.79E-08	2.87E-06	1.54E-11	4.66E-11	2.7E-11	0	0	0	0	5.004E-08	2.0839E-07	2.87E-06	1.28326E-11	0	7.88328E-12	0
715	571430.6	4178799	0.55, 41787	0.22645	0.25105	78.66707	42.96369	10.22882	7.75525	4.62981E-08	3.23E-10	4.66E-08	1.61E-05	5.52E-08	1.61E-05	2.09E-06	1.31E-08	2.1E-06	1.44E-11	4.34E-11	2.51E-11	0	0	0	0	4.662E-08	1.6139E-07	2.1E-06	1.19553E-11	0	7.34434E-12	0
716	571470.6	4178799	0.55, 41787	0.21325	0.23694	47.64153	41.84289	7.70461	7.45296	4.35993E-08	3.04E-10	4.39E-08	9.74E-06	5.38E-08	9.79E-06	1.58E-06	9.90E-09	1.59E-06	1.35E-11	4.09E-11	2.37E-11	0	0	0	0	4.39E-08	9.7941E-08	1.59E-06	1.12586E-11	0	6.91634E-12	0
717	571510.6	4178799	0.55, 41787	0.20623	0.22585	71.44774	40.73398	10.29216	7.00806	4.21641E-08	2.90E-10	4.25E-08	1.46E-05	5.23E-08	1.47E-05	2.1E-06	1.32E-08	2.12E-06	1.31E-11	3.96E-11	2.29E-11	0	0	0	0	4.245E-08	1.466E-07	2.12E-06	1.08869E-11	0	6.68799E-12	0
718	571550.6	4178799	0.55, 41787	0.19818	0.21228	94.10249	39.35835	13.01678	6.4744	4.05182E-08	2.73E-10	4.08E-08	1.92E-05	5.06E-08	1.93E-05	2.66E-06	1.67E-08	2.68E-06	1.26E-11	3.8E-11	2.2E-11	0	0	0	0	4.079E-08	1.929E-07	2.68E-06	1.04604E-11	0	6.42597E-12	0
719	571590.6	4178799	0.55, 41787	0.19254	0.20073	94.76849	37.66806	12.95063	6.01952	3.93651E-08	2.58E-10	3.96E-08	1.94E-05	4.84E-08	1.94E-05	2.65E-06	1.66E-08	2.66E-06	1.22E-11	3.69E-11	2.14E-11	0	0	0	0	3.962E-08	1.9424E-07	2.66E-06	1.01609E-11	0	6.24198E-12	0
720	570310.6	4178839	0.55, 41788	0.10118	0.0904	86.93136	38.98232	10.86642	4.87279	2.06864E-08	1.16E-10	2.08E-08	1.78E-05	5.01E-08	1.78E-05	2.22E-06	1.40E-08	2.24E-06	6.42E-12	1.94E-11	1.12E-11	0	0	0	0	2.08E-08	1.7823E-07	2.24E-06	5.33457E-12	0	3.27712E-12	0
721	570350.6	4178839	0.55, 41788	0.1118	0.10104	92.10266	41.60712	11.51283	5.43734	2.28577E-08	1.30E-10	2.3E-08	1.88E-05	5.35E-08	1.89E-05	2.35E-06	1.48E-08	2.37E-06	7.09E-12	2.14E-11	1.24E-11	0	0	0	0	2.299E-08	1.8884E-07	2.37E-06	5.89488E-12	0	3.62132E-12	0
722	570390.6	4178839	0.55, 41788	0.12335	0.11299	101.58992	44.39945	13.097	6.32134	2.52191E-08	1.45E-10	2.54E-08	2.08E-05	5.70E-08	2.08E-05	2.68E-06	1.68E-08	2.69E-06	7.83E-12	2.36E-11	1.37E-11	0	0	0	0	2.536E-08	2.0827E-07	2.69E-06	6.50437E-12	0	3.99574E-12	0
723	570430.6	4178839	0.55, 41788	0.13612	0.12663	105.75261	46.22171	15.10752	6.99394	2.783E-08	1.63E-10	2.8E-08	2.16E-05	5.94E-08	2.17E-05	3.09E-06	1.94E-08	3.11E-06	8.64E-12	2.61E-11	1.51E-11	0	0	0	0	2.799E-08	2.1681E-07	3.11E-06	7.17839E-12	0	4.4098E-12	0
724	570470.6	4178839	0.55, 41788	0.14941	0.1416	113.55911	47.52324	16.22273	7.30549	3.05471E-08	1.82E-10	3.07E-08	2.32E-05	6.11E-08	2.33E-05	3.32E-06	2.08E-08	3.34E-06	9.48E-12	2.86E-11	1.66E-11	0	0	0	0	3.073E-08	2.3278E-07	3.34E-06	7.8801E-12	0	4.84088E-12	0
725	570510.6	4178839	0.55, 41788	0.16314	0.158	114.44641	50.69094	16.21485	7.16417	3.33542E-08	2.03E-10	3.36E-08	2.34E-05	6.51E-08	2.35E-05	3.32E-06	2.08E-08	3.34E-06	1.04E-11	3.13E-11	1.81E-11	0	0	0	0	3.356E-08	2.3464E-07	3.34E-06	8.60536E-12	0	5.28641E-12	0
726	570550.6	4178839	0.55, 41788	0.17704	0.17576	109.2842	56.30775	15.45924	8.75778	3.61961E-08	2.26E-10	3.64E-08	2.23E-05	7.23E-08	2.24E-05	3.16E-06	1.99E-08	3.18E-06	1.12E-11	3.39E-11	1.96E-11	0	0	0	0	3.642E-08	2.2416E-07	3.18E-06	9.33998E-12	0	5.7377E-12	0
727	570590.6	4178839	0.55, 41788	0.1907	0.19445	121.04262	57.73789	17.123	9.62298	3.89889E-08	2.50E-10	3.92E-08	2.47E-05	7.42E-08	2.48E-05	3.5E-06	2.20E-08	3.52E-06	1.21E-11	3.66E-11	2.12E-11	0	0	0	0	3.924E-08	2.4822E-07	3.52E-06	1.00623E-11	0	6.18145E-12	0
728	570630.6	4178839	0.55, 41788	0.20316	0.21304	125.84874	56.85617	17.26057	9.47603	4.15364E-08	2.74E-10	4.18E-08	2.57E-05	7.30E-08	2.58E-05	3.53E-06	2.22E-08	3.55E-06	1.29E-11	3.9E-11	2.26E-11	0	0	0	0	4.181E-08	2.5803E-07	3.55E-06	1.07217E-11	0	6.58652E-12	0
729	570670.6	4178839	0.55, 41788	0.21386	0.23043	138.80556	56.19819	17.35069	9.51337	4.3724E-08	2.96E-10	4.4E-08	2.84E-05	7.22E-08	2.85E-05	3.55E-06	2.23E-08	3.57E-06	1.36E-11	4.1E-11	2.37E-11	0	0	0	0	4.402E-08	2.8451E-07	3.57E-06	1.12884E-11	0	6.93467E-12	0
730	570710.6	4178839	0.55, 41788	0.22462	0.24643	139.69865	64.11019	17.46233	11.64998	4.59239E-08	3.17E-10	4.62E-08	2.86E-05	8.24E-08	2.86E-05	3.57E-06	2.24E-08	3.59E-06	1.43E-11	4.31E-11	2.49E-11	0	0	0	0	4.624E-08	2.8644E-07	3.59E-06	1.18578E-11	0	7.28447E-12	0
731	570750.6	4178839	0.55, 41788	0.23931	0.26333	129.30344	65.03758	16.25667	13.35444	4.89273E-08	3.38E-10	4.93E-08	2.64E-05	8.36E-08	2.65E-05	3.32E-06	2.09E-08	3.34E-06	1.52E-11	4.59E-11	2.66E-11	0	0	0	0	4.927E-08	2.652E-07	3.34E-06	1.26336E-11	0	7.76102E-12	0
732	570790.6	4178839	0.55, 41788	0.2546	0.28325	148.04332	66.52984	18.88746	13.10425	5.20534E-08	3.64E-10	5.24E-08	3.03E-05	8.55E-08	3.04E-05	3.86E-06	2.43E-08	3.89E-06	1.62E-11	4.88E-11	2.83E-11	0	0	0	0	5.242E-08	3.0353E-07	3.89E-06	1.34418E-11	0	8.25752E-12	0
733	570830.6	4178839	0.55, 41788	0.26766	0.30497	136.3658	90.38201	17.19519	14.05196	5.47235E-08	3.92E-10	5.51E-08	2.79E-05	1.16E-07	2.8E-05	3.52E-06	2.21E-08	3.54E-06	1.7E-11	5.14E-11	2.97E-11	0	0	0	0	5.512E-08	2.7996E-07	3.54E-06	1.41337E-11	0	8.68255E-12	0
734	570870.6	4178839	0.55, 41788	0.28248	0.32215	145.76117	97.26265	18.22015	15.13016	5.77535E-08	4.14E-10	5.82E-08	2.98E-05	1.25E-07	2.99E-05	3.73E-06	2.34E-08	3.75E-06	1.79E-11	5.42E-11	3.14E-11	0	0	0	0	5.817E-08	2.9926E-07	3.75E-06	1.49163E-11	0	9.16335E-12	0
735	570910.6	4178839	0.55, 41788	0.28799	0.33135	130.6935	87.1686	16.33669	13.50967	5.888E-08	4.26E-10	5.93E-08	2.67E-05	1.12E-07	2.68E-05	3.34E-06	2.10E-08	3.36E-06	1.83E-11	5.53E-11	3.2E-11	0	0	0	0	5.931E-08	2.6832E-07	3.36E-06	1.52083E-11	0	9.34268E-12	0
736	570950.6	4178839	0.55, 41788	0.28758	0.33724	143.26415	81.64199	17.90802	13.93242	5.87962E-08	4.33E-10	5.92E-08	2.93E-05	1.05E-07	2.94E-05	3.66E-06	2.30E-08	3.68E-06	1.83E-11	5.52E-11	3.19E-11	0	0	0	0	5.923E-08	2.9395E-07	3.68E-06	1.51887E-11	0	9.33067E-12	0
737	570990.6	4178839	0.55, 41788	0.28844	0.33412	115.42228	74.82901	15.11344	13.01217	5.8972E-08	4.29E-10	5.94E-08	2.36E-05	9.61E-08	2.37E-05	3.09E-06	1.94E-08	3.11E-06	1.83E-11	5.53E-11	3.2E-11	0	0	0	0	5.94E-08	2.3694E-07	3.11E-06	1.52328E-11	0	9.35774E-12	0
738	571030.6	4178839	0.55, 41788	0.29049	0.32848	122.60648	67.85889	20.43441	11.21527	5.93912E-08	4.22E-10	5.98E-08	2.51E-05	8.72E-08	2.52E-05	4.18E-06	2.63E-08	4.2E-06	1.85E-11	5.57E-11	3.23E-11	0	0	0	0	5.981E-08	2.5154E-07	4.2E-06	1.53384E-11	0	9.42262E-12	0
739	571070.6	4178839	0.55, 41788	0.28682	0.32211	145.80556	62.69899	22.09774	10.44682	5.86408E-08	4.14E-10	5.91E-08	2.98E-05	8.06E-08	2.99E-05	4.52E-06	2.84E-08	4.55E-06	1.82E-11	5.5E-11	3.19E-11	0	0	0	0	5.905E-08	2.9891E-07	4.55E-06	1.51439E-11	0	9.30313E-12	0
740	571110.6	4178839	0.55, 41788	0.272	0.3104	131.09883	59.8466	17.36249	9.97443	5.56108E-08	3.99E-10	5.6E-08	2.68E-05	7.69E-08	2.69E-05	3.55E-06	2.23E-08	3.57E-06	1.73E-11	5.22E-11	3.02E-11	0	0	0	0	5.601E-08	2.688E-07	3.57E-06	1.4363E-11	0	8.82343E-12	0
741	571150.6	4178839	0.55, 41788	0.26	0.30055	99.99815	55.57889	12.49977	9.26315	5.31574E-08	3.86E-10	5.35E-08	2.04E-05	7.14E-08	2.05E-05	2.56E-06	1.61E-08	2.57E-06	1.65E-11	4.99E-11	2.89E-11	0	0	0	0	5.354E-08	2.0516E-07	2.57E-06	1.37306E-11	0	8.43494E-12	0
742	571190.6	4178839	0.55, 41788	0.2552	0.29099	127.82601	53.11626	15.97966	8.85271	5.21761E-08	3.74E-10	5.25E-08	2.61E-05	6.82E-08	2.62E-05	3.27E-06	2.05E-08	3.29E-06	1.62E-11	4.9E-11	2.83E-11	0	0	0	0	5.255E-08	2.6202E-07	3.29E-06	1.34758E-11	0	8.27841E-12	0
743	571230.6	4178839	0.55, 41788	0.25406	0.28009	144.46225	51.51588	18.06666	8.58598	5.1943E-08	3.60E-10	5.23E-08	2.95E-05	6.62E-08	2.96E-05	3.69E-06	2.32E-08	3.72E-06	1.61E-11	4.87E-11	2.82E-11	0	0	0	0	5.23E-08	2.9602E-07	3.72E-06	1.34125E-11	0	8.23949E-12	0
744	571270.6	4178839	0.55, 41788	0.2507	0.26766	121.82335	49.56018	15.26733	8.26003	5.1256E-08	3.44E-10	5.16E-08	2.49E-05	6.37E-08	2.5E-05	3.12E-06	1.96E-08	3.14E-06	1.59E-11	4.81E-11	2.78E-11	0	0	0	0	5.16E-08	2.4971E-07	3.14E-06	1.32322E-11	0	8.12875E-12	0
745	571310.6	4178839	0.55, 41788	0.24184	0.25433	103.21026	44.65355	14.74432	7.58702	4.94446E-08	3.27E-10	4.98E-08	2.11E-05	5.74E-08	2.12E-05	3.01E-06	1.89E-08	3.03E-06	1.54E-11	4.64E-11	2.68E-11	0	0	0	0	4.977E-08	2.1159E-07	3.03E-06	1.27633E-11	0	7.84069E-12	0
746	571350.6	4178839	0.55, 41788	0.22797	0.24079	99.0464	44.12829	14.35742	7.39344	4.66088E-08	3.09E-10	4.69E-08	2.03E-05	5.67E-08	2.03E-05	2.94E-06	1.84E-08	2.95E-06	1.45E-11	4.37E-11	2.53E-11	0	0	0	0	4.692E-08	2.0307E-07	2.95E-06	1.20316E-11	0	7.39122E-12	0
747	571390.6	4178839	0.55, 41788	0.21103	0.22733	102.76287	42.76623	13.91866	7.25999	4.31454E-08	2.92E-10	4.34E-08	2.1E-05	5.49E-08	2.11E-05	2.85E-06	1.79E-08	2.86E-06	1.34E-11	4.05E-11	2.34E-11	0	0	0	0	4.344E-08	2.1065E-07	2.86E-06	1.1139E-11	0	6.84289E-12	0
748	571430.6	4178839	0.55, 41788	0.19469	0.21494	96.70075	41.37793	13.13698	7.12068	3.98047E-08	2.76E-10	4.01E-08	1.98E-05	5.32E-08	1.98E-05	2.69E-06	1.69E-08	2.7E-06	1.24E-11	3.73E-11	2.16E-11	0	0	0	0	4.008E-08	1.9824E-07	2.7E-06	1.02783E-11	0	6.3141E-12	0
749	571470.6	4178839	0.55, 41788	0.18137	0.20392	77.02264	40.18933	10.5662	6.94319	3.70814E-08	2.62E-10	3.73E-08	1.57E-05	5.16E-08	1.58E-05	2.16E-06	1.36E-08	2.17E-06	1.15E-11	3.48E-11	2.01E-11	0	0	0	0	3.734E-08	1.5799E-07	2.17E-06	9.57627E-12	0	5.88286E-12	0
750	571510.6	4178839	0.55, 41788	0.17253	0.19446	52.60803	39.21497	7.34906	6.67327	3.5274E-08	2.50E-10	3.55E-08	1.08E-05	5.04E-08	1.08E-05	1.5E-06	9.44E-09	1.51E-06	1.1E-11	3.31E-11	1.92E-11	0	0	0	0	3.552E-08	1.0806E-07	1.51E-06	9.10968E-12	0	5.59623E-12	0
751	571550.6	4178839	0.55, 41788	0.16797	0.18619	68.59481	38.25365	9.65516	6.29212	3.43417E-08	2.39E-10	3.46E-08	1.4E-05	4.91E-08	1.41E-05	1.97E-06	1.24E-08	1.99E-06	1.07E-11	3.22E-11	1.87E-11	0	0	0	0	3.458E-08	1.4073E-07	1.99E-06	8.86788E-12	0	5.44768E-12	0
752	571590.6	4178839	0.55, 41788	0.16271	0.17607	86.9293	37.04871	11.93163	5.86384	3.32663E-08	2.26E-10	3.35E-08	1.78E-05	4.76E-08	1.78E-05	2.44E-06	1.53E-08	2.45E-06	1.03E-11	3.12E-11	1.81E-11	0	0	0	0	3.349E-08	1.782E-07	2.45E-06	8.58877E-12	0	5.27622E-12	0
753	570839.2	4178446	9.17, 41784	74.46739	6.86955	1115.31188	246.53605	545.24687	92.47095	1.5225E-05	8.83E-09	1.52E-05	0.000228	3.17E-07	0.000228	0.000111	7.01E-07	0.000112	4.7E-09	1.42E-08	8.22E-09	0	0	0	0	1.523E-05	2.2834E-06	0.000112	3.90653E-09	0	2.39985E-09	0
754	570839.2	4178486	9.17, 41784	72.70489	8.35312	2611.28562	240.43522	1286.82968	90.10385	1.48646E-05	1.07E-08	1.49E-05	0.000534	3.09E-07	0.000534	0.000263	1.65E-06	0.000265	4.59E-09	1.39E-08	8.02E-09	0	0	0	0	1.488E-05	5.3419E-06	0.000265	3.81461E-09	0	2.34338E-09	0
755	570879.2	4178406	9.17, 41784	9.26791	12.09581	654.37651	281.54322	174.87233	99.71055	1.89484E-06	1.55E-08	1.91E-06	0.000134	3.62E-07	0.000134	3.58E-05	2.25E-07	3.6E-05	5.9E-10	1.78E-09	1.03E-09	0	0	0	0	1.91E-06	1.3415E-06	3.6E-05	4.89895E-10	0	3.0095E-10	0
756	570879.2	4178446	9.17, 41784	110.98197	13.33715	3333.88644	260.53475	1717.50318	91.01179	2.26904E-05	1.71E-08	2.27E-05	0.000682	3.35E-07	0.000682	0.000351	2.21E-06	0.000353	7.01E-09	2.12E-08	1.22E-08	0	0	0	0	2.271E-05	6.8195E-06	0.000353	5.82309E-09	0	3.57722E-09	0
757	570879.2	4178486	9.17, 41784	18.42358	13.79846	473.0449	246.35325	141.68031	100.88031	3.76673E-06	1.77E-08	3.78E-06	9.67E-05	3.17E-07	9.7E-05	2.9E-05	1.82E-07	2.91E-05	1.17E-09	3.53E-09	2.04E-09	0	0	0	0	3.784E-06	9.7031E-07	2.91E-05	9.7048E-10	0	5.96182E-10	0
758	570879.2	4178526	9.17, 41785	94.91809	17.71904	3340.71117	271.69492	1490.9797	113.49448	1.94062E-05	2.28E-08	1.94E-05	0.000683	3.49E-07	0.000683	0.000305	1.92E-06	0.000307	6E-09	1.81E-08	1.05E-08	0	0	0	0	1.943E-05	6.8336E-06	0.000307	4.98232E-09	0	3.06072E-09	0
759	570879.2	4178566	9.17, 41785	6.34056	7.84517	517.57011	248.69096	138.67192	92.32789	1.29634E-06	1.01E-08	1.31E-06	0.000106	3.20E-07	0.000106	2.84E-05	1.78E-07	2.85E-05	4.03E-10	1.22E-09	7.05E-10	0	0	0	0	1.306E-06	1.0614E-06	2.85E-05	3.35015E-10	0	2.05805E-10	0
760	570919.2	4178366	9.17, 41783	2.36921	8.89638	279.82249	231.14799	50.20448	85.64726	4.84389E-07	1.14E-08	4.96E-07	5.72E-05	2.97E-07	5.75E-05	1.03E-05	6.45E-08	1.03E-05	1.53E-10	4.62E-10	2.67E-10	0	0	0	0	4.958E-07	5.7507E-07	1.03E-05	1.27147E-10	0	7.81084E-11	0
761	570919.2	4178406	9.17, 41784	7.16288	18.51893	387.12304	281.06153	102.95605	123.97591	1.46446E-06	2.38E-08	1.49E-06	7.91E-05	3.61E-07	7.95E-05	2.1E-05	1.32E-07	2.12E-05	4.59E-10	1.39E-09	8.03E-10	0	0	0	0	1.488E-06	7.9509E-07	2.12E-05	3.81646E-10	0	2.34451E-10	0
762	570919.2	4178446	9.17, 41784	30.90779	15.96768	761.46723	266.85593	290.35951	97.37786	6.31915E-06	2.05E-08	6.34E-06	0.000156	3.43E-07	0.000156	5.94E-05	3.73E-07	5.97E-05	1.96E-09	5.91E-09	3.42E-09	0	0	0	0	6.34E-06	1.5603E-06	5.97E-05	1.62573E-09	0	9.98714E-10	0
763	570919.2	4178486	9.17, 41784	29.57453	18.16179	992.62163	281.14129	425.98322	121.6397	6.04656E-06	2.33E-08	6.07E-06	0.000203	3.61E-07	0.000203	8.71E-05	5.47E-07	8.76E-05	1.87E-09	5.66E-09	3.27E-09	0	0	0	0	6.07E-06	2.033E-06	8.76E-05	1.55655E-09	0	9.56216E-10	0
764	570919.2	4178526	9.17, 41785	19.47257	21.77306	427.44744	357.8357	126.47105	151.21701	3.9812E-06	2.80E-08	4.01E-06	8.74E-05	4.60E-07	8.79E-05	2.59E-05	1.62E-07	2.6E-05	1.24E-09	3.74E-09	2.16E-09	0	0	0	0	4.009E-06	8.7852E-07	2.6E-05	1.02811E-09	0	6.31582E-10	0
765	570919.2	4178566	9.17, 41785	68.70701	17.81326	3547.24462	326.79695	1121.59815	123.62419	1.40473E-05	2.29E-08	1.41E-05	0.000725	4.20E-07	0.000726	0.000229	1.44E-06	0.000231	4.34E-09	1.31E-08	7.59E-09	0	0	0	0	1.407E-05	7.2566E-06	0.000231	3.60812E-09	0	2.21653E-09	0
766	570959.2	4178326	9.17, 41783	2.08146	12.83514	279.67021	252.56813	42.32993	97.81035	4.25558E-07	1.65E-08	4.42E-07	5.72E-05	3.24E-07	5.75E-05	8.65E-06	5.44E-08	8.71E-06	1.36E-10	4.12E-10	2.38E-10	0	0	0	0	4.42E-07	5.7504E-07	8.71E-06	1.13358E-10	0	6.96377E-11	0
767	570959.2	4178366	9.17, 41783	2.97969	11.80225	241.09871	252.07126	42.48046	78.75938	6.09202E-07	1.52E-08	6.24E-07	4.93E-05	3.24E-07	4.96E-05	8.69E-06	5.46E-08	8.74E-06	1.93E-10	5.82E-10	3.37E-10	0	0	0	0	6.244E-07	4.9617E-07	8.74E-06	1.60111E-10	0	9.8359E-11	0
768	570959.2	4178406	9.17, 41784	5.48321	18.00699	312.89849	292.26242	67.10795	111.57482	1.12105E-06	2.31E-08	1.14E-06	6.4E-05	3.75E-07	6.43E-05	1.37E-05	8.62E-08	1.38E-05	3.53E-10	1.07E-09	6.17E-10	0	0	0	0	1.144E-06	6.4348E-07	1.38E-05	2.93413E-10	0	1.80248E-10	0
769	570959.2	4178446	9.17, 41784	13.2141	15.9724	471.07205	258.82785	129.31081	100.45092	2.70164E-06	2.05E-08	2.72E-06	9.63E-05	3.33E-07	9.66E-05	2.64E-05	1.66E-07	2.66E-05	8.4E-10	2.54E-09	1.47E-09	0	0	0	0	2.722E-06	9.6644E-07	2.66E-05	6.98067E-10	0	4.28834E-10	0
770	570959.2	4178486	9.17, 41784	61.20406	15.71053	1330.20017	250.50131	539.4281	101.77571	1.25133E-05	2.02E-08	1.25E-05	0.000272	3.22E-07	0.000272	0.00011	6.93E-07	0.000111	3.87E-09	1.17E-08	6.76E-09	0	0	0	0	1.253E-05	2.7228E-06	0.000111	3.21406E-09	0	1.97445E-09	0
771	570959.2	4178526	9.17, 41785	233.18259	14.04006	3491.90215	258.73899	1687.05022	110.68808	4.76746E-05	1.80E-08	4.77E-05	0.000714	3.32E-07	0.000714	0.000345	2.17E-06	0.000347	1.47E-08	4.44E-08	2.57E-08	0	0	0	0	4.769E-05	7.1426E-06	0.000347	1.22302E-08	0	7.51322E-09	0
772	570999.2	4178286	9.17, 41782	4.82709	7.01905	541.05323	230.67805	117.6944	82.70868	9.86906E-07	9.02E-09	9.96E-07	0.000111	2.96E-07	0.000111	2.41E-05	1.51E-07	2.42E-05	3.07E-10	9.28E-10	5.37E-10	0	0	0	0	9.959E-07	1.1092E-06	2.42E-05	2.55393E-10	0	1.56892E-10	0

773	570999.2	4178326	9.17, 41783	3.49216	17.23511	334.8047	281.26172	73.88295	121.01705	7.13978E-07	2.21E-08	7.36E-07	6.85E-05	3.61E-07	6.88E-05	1.51E-05	9.49E-08	1.52E-05	2.27E-10	6.86E-10	3.97E-10	0	0	0	0	7.361E-07	6.8813E-07	1.52E-05	1.8877E-10	0	1.15964E-10	0
774	570999.2	4178366	9.17, 41783	3.49499	15.86199	258.09779	262.50756	51.99585	99.38677	7.14556E-07	2.04E-08	7.35E-07	5.28E-05	3.37E-07	5.31E-05	1.06E-05	6.68E-08	1.07E-05	2.27E-10	6.85E-10	3.96E-10	0	0	0	0	7.349E-07	5.3106E-07	1.07E-05	1.88466E-10	0	1.15777E-10	0
775	570999.2	4178406	9.17, 41784	4.67229	14.08019	269.25985	258.20089	48.54927	90.52886	9.55257E-07	1.81E-08	9.73E-07	5.51E-05	3.32E-07	5.54E-05	9.93E-06	6.24E-08	9.99E-06	3E-10	9.07E-10	5.25E-10	0	0	0	0	9.733E-07	5.5382E-07	9.99E-06	2.49603E-10	0	1.53335E-10	0
776	570999.2	4178446	9.17, 41784	8.21208	17.59623	365.10896	254.50285	80.87758	113.65243	1.67897E-06	2.26E-08	1.7E-06	7.46E-05	3.27E-07	7.5E-05	1.65E-05	1.04E-07	1.66E-05	5.25E-10	1.59E-09	9.18E-10	0	0	0	0	1.702E-06	7.4974E-07	1.66E-05	4.3635E-10	0	2.68057E-10	0
777	570999.2	4178486	9.17, 41784	18.06608	14.21786	585.19163	263.25351	156.20535	101.07997	3.69364E-06	1.83E-08	3.71E-06	0.00012	3.38E-07	0.00012	3.19E-05	2.01E-07	3.21E-05	1.15E-09	3.46E-09	2E-09	0	0	0	0	3.712E-06	1.1998E-06	3.21E-05	9.51875E-10	0	5.84752E-10	0
778	571039.2	4178246	9.17, 41782	16.91212	6.90765	857.31055	271.11205	274.95229	93.64332	3.45771E-06	8.87E-09	3.47E-06	0.000175	3.48E-07	0.000176	5.62E-05	3.53E-07	5.66E-05	1.07E-09	3.23E-09	1.87E-09	0	0	0	0	3.467E-06	1.7563E-06	5.66E-05	8.88965E-10	0	5.46106E-10	0
779	571039.2	4178286	9.17, 41782	28.85834	15.10006	1240.055	260.3069	549.80999	92.85324	5.90013E-06	1.94E-08	5.92E-06	0.000254	3.34E-07	0.000254	0.000112	7.06E-07	0.000113	1.83E-09	5.52E-09	3.19E-09	0	0	0	0	5.92E-06	2.5387E-06	0.000113	1.518E-09	0	9.32529E-10	0
780	571039.2	4178326	9.17, 41783	6.67676	17.1171	443.85334	276.43557	131.23026	111.87763	1.36507E-06	2.20E-08	1.39E-06	9.07E-05	3.55E-07	9.11E-05	2.68E-05	1.69E-07	2.7E-05	4.28E-10	1.29E-09	7.48E-10	0	0	0	0	1.387E-06	9.1102E-07	2.7E-05	3.55697E-10	0	2.1851E-10	0
781	571039.2	4178366	9.17, 41783	4.40971	16.57374	310.01939	259.88486	73.97776	106.04392	9.01572E-07	2.13E-08	9.23E-07	6.34E-05	3.34E-07	6.37E-05	1.51E-05	9.50E-08	1.52E-05	2.85E-10	8.6E-10	4.98E-10	0	0	0	0	9.229E-07	6.3718E-07	1.52E-05	2.36658E-10	0	1.45383E-10	0
782	571039.2	4178406	9.17, 41784	4.40492	15.47088	249.62047	251.60574	54.55389	95.67705	9.00593E-07	1.99E-08	9.2E-07	5.1E-05	3.23E-07	5.14E-05	1.12E-05	7.01E-08	1.12E-05	2.84E-10	8.58E-10	4.96E-10	0	0	0	0	9.205E-07	5.1359E-07	1.12E-05	2.36044E-10	0	1.45005E-10	0
783	571039.2	4178446	9.17, 41784	6.02235	17.33371	271.18693	258.43077	53.34538	113.33058	1.23128E-06	2.23E-08	1.25E-06	5.54E-05	3.32E-07	5.58E-05	1.09E-05	6.85E-08	1.1E-05	3.87E-10	1.17E-09	6.76E-10	0	0	0	0	1.254E-06	5.5777E-07	1.1E-05	3.21458E-10	0	1.97477E-10	0
784	571079.2	4178246	9.17, 41782	26.90238	12.76385	686.22219	257.40547	294.80616	92.56412	5.50024E-06	1.64E-08	5.52E-06	0.00014	3.31E-07	0.000141	6.03E-05	3.79E-07	6.07E-05	1.7E-09	5.14E-09	2.98E-09	0	0	0	0	5.517E-06	1.4063E-06	6.07E-05	1.41468E-09	0	8.69059E-10	0
785	571079.2	4178286	9.17, 41782	49.90964	15.92317	957.6563	283.49226	414.11972	108.09945	1.02041E-05	2.05E-08	1.02E-05	0.000196	3.64E-07	0.000196	8.47E-05	5.32E-07	8.52E-05	3.16E-09	9.53E-09	5.51E-09	0	0	0	0	1.022E-05	1.9616E-06	8.52E-05	2.62197E-09	0	1.61072E-09	0
786	571079.2	4178326	9.17, 41783	16.67986	14.36437	793.60016	243.70787	313.14105	91.11491	3.41022E-06	1.85E-08	3.43E-06	0.000162	3.13E-07	0.000163	6.4E-05	4.02E-07	6.44E-05	1.06E-09	3.19E-09	1.85E-09	0	0	0	0	3.429E-06	1.6257E-06	6.44E-05	8.79245E-10	0	5.40134E-10	0
787	571079.2	4178366	9.17, 41783	6.18218	17.09307	419.38901	255.0076	110.95083	108.56867	1.26396E-06	2.20E-08	1.29E-06	8.57E-05	3.28E-07	8.61E-05	2.27E-05	1.43E-07	2.28E-05	3.97E-10	1.2E-09	6.94E-10	0	0	0	0	1.286E-06	8.6072E-07	2.28E-05	3.29759E-10	0	2.02576E-10	0
788	571079.2	4178406	9.17, 41784	4.42977	14.91	310.20505	209.99469	72.09993	91.11305	9.05674E-07	1.92E-08	9.25E-07	6.34E-05	2.70E-07	6.37E-05	1.47E-05	9.26E-08	1.48E-05	2.85E-10	8.62E-10	4.99E-10	0	0	0	0	9.248E-07	6.3692E-07	1.48E-05	2.37162E-10	0	1.45692E-10	0
789	571119.2	4178286	9.17, 41782	25.0824	15.07438	507.91812	256.39153	211.8106	106.96205	5.12814E-06	1.94E-08	5.15E-06	0.000104	3.29E-07	0.000104	4.33E-05	2.72E-07	4.36E-05	1.59E-09	4.8E-09	2.78E-09	0	0	0	0	5.148E-06	1.0417E-06	4.36E-05	1.32002E-09	0	8.10908E-10	0
790	571119.2	4178326	9.17, 41783	197.49067	14.51391	3348.29445	230.6601	1622.72219	95.52079	4.03773E-05	1.86E-08	4.04E-05	0.000685	2.96E-07	0.000685	0.000332	2.08E-06	0.000334	1.25E-08	3.76E-08	2.18E-08	0	0	0	0	4.04E-05	6.8486E-06	0.000334	1.03591E-08	0	6.36374E-09	0
791	571119.2	4178366	9.17, 41783	10.01384	12.46582	630.48898	206.62645	198.58486	83.22549	2.04735E-06	1.60E-08	2.06E-06	0.000129	2.65E-07	0.000129	4.06E-05	2.55E-07	4.09E-05	6.37E-10	1.92E-09	1.11E-09	0	0	0	0	2.063E-06	1.2917E-06	4.09E-05	5.29125E-10	0	3.2505E-10	0
792	571159.2	4178326	9.17, 41783	219.15803	19.05137	3124.9508	277.70648	1560.39264	128.55095	4.48072E-05	2.45E-08	4.48E-05	0.000639	3.57E-07	0.000639	0.000319	2.00E-06	0.000321	1.38E-08	4.18E-08	2.42E-08	0	0	0	0	4.483E-05	6.3926E-06	0.000321	1.14966E-08	0	7.06253E-09	0
793	570808.8	4178465	8.82, 41784	10.95844	3.34212	1253.90468	193.66587	302.59047	56.7134	2.24047E-06	4.29E-09	2.24E-06	0.000256	2.49E-07	0.000257	6.19E-05	3.89E-07	6.23E-05	6.93E-10	2.09E-09	1.21E-09	0	0	0	0	2.245E-06	2.5661E-06	6.23E-05	5.75644E-10	0	3.53627E-10	0
794	570823.9	4178530	3.91, 41785	3.05561	3.25593	358.64643	197.99385	70.39413	63.38636	6.24724E-07	4.18E-09	6.29E-07	7.33E-05	2.54E-07	7.36E-05	1.44E-05	9.04E-08	1.45E-05	1.94E-10	5.86E-10	3.39E-10	0	0	0	0	6.289E-07	7.358E-07	1.45E-05	1.61276E-10	0	9.90745E-11	0
795	570883.3	4178602	3.31, 41786	3.07425	4.49746	479.66242	287.53386	94.76169	103.00469	6.28535E-07	5.78E-09	6.34E-07	9.81E-05	3.69E-07	9.84E-05	1.94E-05	1.22E-07	1.95E-05	1.96E-10	5.91E-10	3.42E-10	0	0	0	0	6.343E-07	9.8437E-07	1.95E-05	1.62662E-10	0	9.99261E-11	0
796	571181.5	4178310	1.45, 41783	77.30582	13.12592	2585.53888	242.23364	872.95261	114.20023	1.58053E-05	1.69E-08	1.58E-05	0.000529	3.11E-07	0.000529	0.000178	1.12E-06	0.00018	4.88E-09	1.47E-08	8.53E-09	0	0	0	0	1.582E-05	5.2893E-06	0.00018	4.05741E-09	0	2.49253E-09	0
797	571067.8	4178207	7.83, 41782	5.36607	4.9243	895.65181	299.02694	223.56067	96.05921	1.0971E-06	6.33E-09	1.1E-06	0.000183	3.84E-07	0.000184	4.57E-05	2.87E-07	4.6E-05	3.4E-10	1.03E-09	5.95E-10	0	0	0	0	1.103E-06	1.835E-06	4.6E-05	2.82961E-10	0	1.73828E-10	0
798	570799.9	4178447	9.89, 41784	4.88888	2.78293	732.83791	152.28075	142.77112	52.0733	9.99539E-07	3.58E-09	1E-06	0.00015	1.96E-07	0.00015	2.92E-05	1.83E-07	2.94E-05	3.1E-10	9.35E-10	5.41E-10	0	0	0	0	1.003E-06	1.5003E-06	2.94E-05	2.57237E-10	0	1.58025E-10	0

Lead

	Trenching	Grading
Emissions Rate (g/s):	8.40E-08	5.28E-10

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	0.042	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	0.042	10	2	70	0.85
2<9	631	1	0.854795	0.000001	0.042	3	0.75	70	0.72
Student	520	1	0.493151	0.000001	0.042	3	3	70	1
Worker	230	1	0.684932	0.000001	0.042	1	3	70	1

Lead

	Chronic (Annu	Acute (1hr)	8hr
REL:	1	1	1

				Concentration [µg/m^3] at 1 g/s						Concentration (µg/m^3) Unmitigated									Unmitigated Residential Dose			Risk by Age Group				Unmitigated			Student Unmitigated		Worker Unmitigated	
#	X	Y	X,Y	Trenching Period	Grading Period	Treching 1hr	Grading 1hr	Trenching 8hr	Grading 8hr	Trenching Period	Grading Period	Period Total	Treching 1hr	Grading 1hr	1hr Total	renching 8h	Grading 8hr	8hr Total	3rd	0<2	2<9	3rd	0<2	2<9	Total Risk	Chronic	Acute	8hr	Dose	Risk	Dose	Risk
1	570310.6	4177919	0.55, 41779	0.08215	0.06425	53.98877	25.74637	6.7486	3.78109	6.90374E-09	3.39E-11	6.94E-09	4.54E-06	1.36E-08	4.55E-06	5.67E-07	3.56E-09	5.71E-07	2.14E-12	6.46E-12	3.74E-12	2.73E-15	6.59E-14	3.64E-15	7.22997E-14	6.938E-09	4.5507E-06	5.71E-07	1.77909E-12	9.60706E-15	1.09292E-12	1.96726E-15
2	570350.6	4177919	0.55, 41779	0.08744	0.06946	61.34869	26.43683	7.66859	3.66465	7.34831E-09	3.67E-11	7.38E-09	5.16E-06	1.40E-08	5.17E-06	6.44E-07	4.05E-09	6.49E-07	2.28E-12	6.88E-12	3.98E-12	2.91E-15	7.02E-14	3.87E-15	7.69613E-14	7.385E-09	5.1696E-06	6.49E-07	1.89379E-12	1.02265E-14	1.16339E-12	2.0941E-15
3	570390.6	4177919	0.55, 41779	0.09273	0.07514	67.57642	27.23616	8.44705	3.80844	7.79287E-09	3.97E-11	7.83E-09	5.68E-06	1.44E-08	5.69E-06	7.1E-07	4.46E-09	7.14E-07	2.42E-12	7.3E-12	4.22E-12	3.08E-15	7.44E-14	4.11E-15	8.16255E-14	7.833E-09	5.6934E-06	7.14E-07	2.00857E-12	1.08463E-14	1.23389E-12	2.22101E-15
4	570430.6	4177919	0.55, 41779	0.09799	0.08123	71.34976	28.07066	8.91872	4.01428	8.23491E-09	4.29E-11	8.28E-09	6E-06	1.48E-08	6.01E-06	7.5E-07	4.71E-09	7.54E-07	2.55E-12	7.71E-12	4.46E-12	3.26E-15	7.87E-14	4.34E-15	8.62657E-14	8.278E-09	6.0109E-06	7.54E-07	2.12275E-12	1.14628E-14	1.30404E-12	2.34727E-15
5	570470.6	4177919	0.55, 41779	0.10292	0.08757	71.34124	28.88227	8.91766	4.18506	8.64922E-09	4.62E-11	8.7E-09	6E-06	1.53E-08	6.01E-06	7.49E-07	4.71E-09	7.54E-07	2.68E-12	8.1E-12	4.69E-12	3.42E-15	8.26E-14	4.56E-15	9.06182E-14	8.695E-09	6.0106E-06	7.54E-07	2.22985E-12	1.20412E-14	1.36983E-12	2.4657E-15
6	570510.6	4177919	0.55, 41779	0.10719	0.09397	70.57748	29.51269	8.82218	4.31581	9.00806E-09	4.96E-11	9.06E-09	5.93E-06	1.56E-08	5.95E-06	7.41E-07	4.66E-09	7.46E-07	2.8E-12	8.44E-12	4.89E-12	3.56E-15	8.61E-14	4.75E-15	9.4393E-14	9.058E-09	5.9468E-06	7.46E-07	2.32274E-12	1.25428E-14	1.4269E-12	2.56841E-15
7	570550.6	4177919	0.55, 41779	0.11095	0.10041	80.02506	30.00614	10.00313	4.88273	9.32405E-09	5.30E-11	9.38E-09	6.73E-06	1.58E-08	6.74E-06	8.41E-07	5.28E-09	8.46E-07	2.89E-12	8.74E-12	5.06E-12	3.69E-15	8.91E-14	4.92E-15	9.77215E-14	9.377E-09	6.741E-06	8.46E-07	2.40464E-12	1.29851E-14	1.47721E-12	2.65898E-15
8	570590.6	4177919	0.55, 41779	0.11537	0.10684	81.14556	31.22548	10.14319	5.49199	9.69549E-09	5.64E-11	9.75E-09	6.82E-06	1.65E-08	6.84E-06	8.52E-07	5.36E-09	8.58E-07	3.01E-12	9.09E-12	5.26E-12	3.84E-15	9.27E-14	5.11E-15	1.01628E-13	9.752E-09	6.8358E-06	8.58E-07	2.50077E-12	1.35041E-14	1.53626E-12	2.76527E-15
9	570630.6	4177919	0.55, 41779	0.12154	0.11343	82.02682	32.76834	10.54682	6.07261	1.0214E-08	5.99E-11	1.03E-08	6.89E-06	1.73E-08	6.91E-06	8.86E-07	5.57E-09	8.92E-07	3.17E-12	9.57E-12	5.54E-12	4.04E-15	9.76E-14	5.39E-15	1.07068E-13	1.027E-08	6.9107E-06	8.92E-07	2.63463E-12	1.4227E-14	1.61849E-12	2.91329E-15
10	570670.6	4177919	0.55, 41779	0.12896	0.11974	90.28793	34.09351	12.11861	6.60764	1.08376E-08	6.32E-11	1.09E-08	7.59E-06	1.80E-08	7.61E-06	1.02E-06	6.40E-09	1.02E-06	3.36E-12	1.02E-11	5.88E-12	4.29E-15	1.04E-13	5.71E-15	1.13601E-13	1.09E-08	7.6056E-06	1.02E-06	2.79539E-12	1.50951E-14	1.71725E-12	3.09105E-15
11	570710.6	4177919	0.55, 41779	0.13589	0.12543	92.03158	38.34133	11.50395	7.03486	1.142E-08	6.62E-11	1.15E-08	7.73E-06	2.02E-08	7.75E-06	9.67E-07	6.08E-09	9.73E-07	3.54E-12	1.07E-11	6.2E-12	4.52E-15	1.09E-13	6.02E-15	1.19701E-13	1.149E-08	7.7544E-06	9.73E-07	2.9455E-12	1.59057E-14	1.80947E-12	3.25705E-15
12	570750.6	4177919	0.55, 41779	0.14097	0.13029	98.93292	42.68075	12.36662	7.25038	1.18469E-08	6.88E-11	1.19E-08	8.31E-06	2.25E-08	8.34E-06	1.04E-06	6.53E-09	1.05E-06	3.68E-12	1.11E-11	6.43E-12	4.69E-15	1.13E-13	6.25E-15	1.24177E-13	1.192E-08	8.3367E-06	1.05E-06	3.05564E-12	1.65004E-14	1.87713E-12	3.37883E-15
13	570790.6	4177919	0.55, 41779	0.1434	0.13429	101.78306	44.96916	12.72288	7.16867	1.20511E-08	7.09E-11	1.21E-08	8.55E-06	2.37E-08	8.58E-06	1.07E-06	6.72E-09	1.08E-06	3.74E-12	1.13E-11	6.54E-12	4.77E-15	1.15E-13	6.36E-15	1.26327E-13	1.212E-08	8.5774E-06	1.08E-06	3.10855E-12	1.67862E-14	1.90963E-12	3.43734E-15
14	570830.6	4177919	0.55, 41779	0.14249	0.1373	103.05806	46.92439	12.88226	6.63254	1.19746E-08	7.25E-11	1.2E-08	8.66E-06	2.48E-08	8.69E-06	1.08E-06	6.80E-09	1.09E-06	3.72E-12	1.12E-11	6.5E-12	4.74E-15	1.14E-13	6.32E-15	1.25547E-13	1.205E-08	8.6856E-06	1.09E-06	3.08934E-12	1.66825E-14	1.89783E-12	3.4161E-15
15	570870.6	4177919	0.55, 41779	0.13915	0.13926	113.81753	49.41272	14.22719	6.17659	1.16939E-08	7.35E-11	1.18E-08	9.57E-06	2.61E-08	9.59E-06	1.2E-06	7.51E-09	1.2E-06	3.63E-12	1.1E-11	6.35E-12	4.63E-15	1.12E-13	6.17E-15	1.22633E-13	1.177E-08	9.5911E-06	1.2E-06	3.01763E-12	1.62952E-14	1.85378E-12	3.3368E-15
16	570910.6	4177919	0.55, 41779	0.13537	0.14116	103.09741	52.00284	16.13684	6.50036	1.13763E-08	7.45E-11	1.15E-08	8.66E-06	2.75E-08	8.69E-06	1.36E-06	8.52E-09	1.36E-06	3.53E-12	1.07E-11	6.18E-12	4.51E-15	1.09E-13	6E-15	1.19332E-13	1.145E-08	8.6916E-06	1.36E-06	2.93643E-12	1.58567E-14	1.80389E-12	3.24701E-15
17	570950.6	4177919	0.55, 41779	0.13129	0.14261	128.63222	54.75687	19.7206	7.6051	1.10334E-08	7.53E-11	1.11E-08	1.08E-05	2.89E-08	1.08E-05	1.66E-06	1.04E-08	1.67E-06	3.43E-12	1.04E-11	5.99E-12	4.37E-15	1.06E-13	5.82E-15	1.15767E-13	1.111E-08	1.0839E-05	1.67E-06	2.8487E-12	1.5383E-14	1.75E-12	3.15E-15
18	570990.6	4177919	0.55, 41779	0.12715	0.1442	126.51514	58.01026	18.07359	9.36612	1.06855E-08	7.62E-11	1.08E-08	1.06E-05	3.06E-08	1.07E-05	1.52E-06	9.54E-09	1.53E-06	3.32E-12	1E-11	5.8E-12	4.23E-15	1.02E-13	5.64E-15	1.1215E-13	1.076E-08	1.0663E-05	1.53E-06	2.75969E-12	1.49023E-14	1.69532E-12	3.05158E-15
19	571030.6	4177919	0.55, 41779	0.12254	0.14609	125.39004	62.99788	17.19472	10.49965	1.0298E-08	7.71E-11	1.04E-08	1.05E-05	3.33E-08	1.06E-05	1.45E-06	9.08E-09	1.45E-06	3.2E-12	9.67E-12	5.6E-12	4.08E-15	9.86E-14	5.44E-15	1.08123E-13	1.038E-08	1.0571E-05	1.45E-06	2.6606E-12	1.43672E-14	1.63445E-12	2.94201E-15
20	571070.6	4177919	0.55, 41779	0.1201	0.14847	126.80092	67.58831	16.22667	10.87469	1.0093E-08	7.84E-11	1.02E-08	1.07E-05	3.57E-08	1.07E-05	1.36E-06	8.57E-09	1.37E-06	3.14E-12	9.48E-12	5.49E-12	4E-15	9.67E-14	5.33E-15	1.05999E-13	1.017E-08	1.0692E-05	1.37E-06	2.60834E-12	1.4085E-14	1.60234E-12	2.88422E-15
21	571110.6	4177919	0.55, 41779	0.1205	0.15044	126.62476	68.47754	20.2586	9.61445	1.01266E-08	7.94E-11	1.02E-08	1.06E-05	3.62E-08	1.07E-05	1.7E-06	1.07E-08	1.71E-06	3.15E-12	9.51E-12	5.5E-12	4.02E-15	9.7E-14	5.35E-15	1.06361E-13	1.021E-08	1.0677E-05	1.71E-06	2.61722E-12	1.4133E-14	1.6078E-12	2.89405E-15
22	571150.6	4177919	0.55, 41779	0.1212	0.15159	131.66409	62.22893	21.10658	9.19459	1.01854E-08	8.01E-11	1.03E-08	1.11E-05	3.29E-08	1.11E-05	1.77E-06	1.11E-08	1.78E-06	3.17E-12	9.56E-12	5.54E-12	4.04E-15	9.76E-14	5.38E-15	1.0698E-13	1.027E-08	1.1098E-05	1.78E-06	2.63247E-12	1.42153E-14	1.61717E-12	2.9109E-15
23	571190.6	4177919	0.55, 41779	0.12215	0.15198	137.85581	66.48698	19.69369	10.25241	1.02653E-08	8.03E-11	1.03E-08	1.16E-05	3.51E-08	1.16E-05	1.66E-06	1.04E-08	1.67E-06	3.19E-12	9.64E-12	5.58E-12	4.07E-15	9.83E-14	5.42E-15	1.07814E-13	1.035E-08	1.162E-05	1.67E-06	2.65299E-12	1.43262E-14	1.62978E-12	2.9336E-15
24	571230.6	4177919	0.55, 41779	0.12354	0.15154	148.65332	75.08948	21.23619	9.50538	1.03821E-08	8.00E-11	1.05E-08	1.25E-05	3.97E-08	1.25E-05	1.78E-06	1.12E-08	1.8E-06	3.23E-12	9.75E-12	5.64E-12	4.12E-15	9.94E-14	5.49E-15	1.09029E-13	1.046E-08	1.2532E-05	1.8E-06	2.68289E-12	1.44876E-14	1.64814E-12	2.96665E-15
25	571270.6	4177919	0.55, 41779	0.12544	0.15047	135.01221	73.55453	18.66937	9.80753	1.05418E-08	7.95E-11	1.06E-08	1.13E-05	3.88E-08	1.14E-05	1.57E-06	9.86E-09	1.58E-06	3.28E-12	9.9E-12	5.73E-12	4.18E-15	1.01E-13	5.57E-15	1.10687E-13	1.062E-08	1.1385E-05	1.58E-06	2.72369E-12	1.47079E-14	1.67321E-12	3.01177E-15
26	571310.6	4177919	0.55, 41779	0.12844	0.14895	144.25948	74.57026	18.03243	9.63087	1.07939E-08	7.87E-11	1.09E-08	1.21E-05	3.94E-08	1.22E-05	1.52E-06	9.52E-09	1.52E-06	3.36E-12	1.01E-11	5.86E-12	4.28E-15	1.03E-13	5.7E-15	1.13306E-13	1.087E-08	1.2163E-05	1.52E-06	2.78813E-12	1.50559E-14	1.7128E-12	3.08303E-15
27	571350.6	4177919	0.55, 41779	0.13264	0.1484	134.13439	65.82548	16.7668	8.49886	1.11468E-08	7.84E-11	1.12E-08	1.13E-05	3.48E-08	1.13E-05	1.41E-06	8.85E-09	1.42E-06	3.46E-12	1.05E-11	6.05E-12	4.42E-15	1.07E-13	5.89E-15	1.16981E-13	1.123E-08	1.1307E-05	1.42E-06	2.87857E-12	1.55443E-14	1.76835E-12	3.18304E-15
28	571390.6	4177919	0.55, 41779	0.13487	0.1464	140.45529	51.40311	17.55691	7.98518	1.13342E-08	7.73E-11	1.14E-08	1.18E-05	2.71E-08	1.18E-05	1.48E-06	9.27E-09	1.48E-06	3.52E-12	1.06E-11	6.16E-12	4.49E-15	1.08E-13	5.98E-15	1.18923E-13	1.141E-08	1.1831E-05	1.48E-06	2.92636E-12	1.58023E-14	1.79771E-12	3.23588E-15
29	571430.6	4177919	0.55, 41779	0.14548	0.15293	139.19794	49.3636	17.39974	7.65374	1.22259E-08	8.08E-11	1.23E-08	1.17E-05	2.61E-08	1.17E-05	1.46E-06	9.19E-09	1.47E-06	3.8E-12	1.15E-11	6.64E-12	4.84E-15	1.17E-13	6.45E-15	1.28252E-13	1.231E-08	1.1724E-05	1.47E-06	3.1559E-12	1.70418E-14	1.93872E-12	3.48969E-15
30	571470.6	4177919	0.55, 41779	0.15916	0.16179	134.87595	45.89373	16.85949	6.86379	1.33755E-08	8.54E-11	1.35E-08	1.13E-05	2.42E-08	1.14E-05	1.42E-06	8.90E-09	1.43E-06	4.15E-12	1.25E-11	7.26E-12	5.3E-15	1.28E-13	7.06E-15	1.40281E-13	1.346E-08	1.1359E-05	1.43E-06	3.45191E-12	1.86403E-14	2.12056E-12	3.81701E-15
31	571510.6	4177919	0.55, 41779	0.17426	0.17151	122.2315	42.4201	15.27894	5.85942	1.46445E-08	9.06E-11	1.47E-08	1.03E-05	2.24E-08	1.03E-05	1.28E-06	8.07E-09	1.29E-06	4.55E-12	1.37E-11	7.95E-12	5.8E-15	1.4E-13	7.73E-15	1.53559E-13	1.474E-08	1.0295E-05	1.29E-06	3.77864E-12	2.04047E-14	2.32128E-12	4.1783E-15
32	571550.6	4177919	0.55, 41779	0.18787	0.18026	112.99449	35.73716	14.12431	5.76206	1.57883E-08	9.52E-11	1.59E-08	9.5E-06	1.89E-08	9.51E-06	1.19E-06	7.46E-09	1.19E-06	4.9E-12	1.48E-11	8.57E-12	6.25E-15	1.51E-13	8.33E-15	1.65527E-13	1.588E-08	9.5147E-06	1.19E-06	4.07313E-12	2.19949E-14	2.50219E-12	4.50394E-15
33	571590.6	4177919	0.55, 41779	0.19949	0.18751	94.68734	29.26563	11.83592	5.30509	1.67648E-08	9.90E-11	1.69E-08	7.96E-06	1.55E-08	7.97E-06	9.95E-07	6.25E-09	1E-06	5.2E-12	1.57E-11	9.1E-12	6.63E-15	1.6E-13	8.84E-15	1.75743E-13	1.686E-08	7.9728E-06	1E-06	4.32453E-12	2.33525E-14	2.65663E-12	4.78193E-15
34	570310.6	4177959	0.55, 41779	0.08597	0.06676	56.89619	26.25101	7.11202	4.18522	7.22477E-09	3.53E-11	7.26E-09	4.78E-06	1.39E-08	4.8E-06	5.98E-07	3.76E-09	6.01E-07	2.24E-12	6.76E-12	3.92E-12	2.86E-15	6.9E-14	3.81E-15	7.5659E-14	7.26E-09	4.7953E-06	6.01E-07	1.86175E-12	1.00534E-14	1.1437E-12	2.05866E-15
35	570350.6	4177959	0.55, 41779	0.09204	0.07257	58.96006	27.16756	7.37001	4.19821	7.73488E-09	3.83E-11	7.77E-09	4.95E-06	1.43E-08	4.97E-06	6.19E-07	3.89E-09	6.23E-07	2.4E-12	7.24E-12	4.19E-12	3.06E-15	7.39E-14	4.08E-15	8.10071E-14	7.773E-09	4.9692E-06	6.23E-07	1.99335E-12	1.07641E-14	1.22455E-12	2.20418E-15
36	570390.6	4177959	0.55, 41779	0.09833	0.07904	63.0038	28.02201	7.87548	4.15896	8.26348E-09	4.17E-11	8.31E-09	5.29E-06	1.48E-08	5.31E-06	6.62E-07	4.16E-09	6.66E-07	2.56E-12	7.74E-12	4.48E-12	3.27E-15	7.89E-14	4.35E-15	8.65514E-14	8.305E-09	5.3095E-06	6.66E-07	2.12978E-12	1.15008E-14	1.30836E-12	2.35504E-15
37	570430.6	4177959	0.55, 41779	0.10461	0.08611	70.72142	28.76698	8.84018	4.23038	8.79124E-09	4.55E-11	8.84E-09	5.94E-06	1.52E-08	5.96E-06	7.43E-07	4.67E-09	7.48E-07	2.73E-12	8.23E-12	4.77E-12	3.48E-15	8.4E-14	4.63E-15	9.20902E-14	8.837E-09	5.9585E-06	7.48E-07	2.26607E-12	1.22368E-14	1.39209E-12	2.50575E-15
38	570470.6	4177959	0.55, 41779	0.11098	0.09385	78.78718	29.82596	9.8484	4.47695	9.32657E-09	4.96E-11	9.38E-09	6.62E-06	1.58E-08	6.64E-06	8.28E-07	5.20E-09	8.33E-07	2.89E-12	8.74E-12	5.06E-12	3.69E-15	8.91E-14	4.92E-15	9.77116E-14	9.376E-09	6.6369E-06	8.33E-07	2.4044E-12	1.29838E-14	1.47706E-12	2.65871E-15
39	570510.6	4177959	0.55, 41779	0.1169	0.10189	83.26174	30.87615	10.40772	4.70339	9.82407E-09	5.38E-11	9.88E-09	7E-06	1.63E-08	7.01E-06	8.75E-07	5.50E-09	8.8E-07	3.05E-12	9.2E-12	5.33E-12	3.89E-15	9.39E-14	5.18E-15	1.02941E-13	9.878E-09	7.0135E-06	8.8E-07	2.53307E-12	1.36786E-14	1.5561E-12	2.80099E-15
40	570550.6	4177959	0.55, 41779	0.12213	0.11	82.46075	31.83495	10.30759	4.9071	1.02636E-08	5.81E-11	1.03E-08	6.93E-06	1.68E-08	6.95E-06	8.66E-07	5.44E-09	8.72E-07	3.19E-12	9.62E-12	5.57E-12	4.06E-15	9.81E-14	5.41E-15	1.07566E-13	1.032E-08	6.9467E-06	8.72E-07	2.64688E-12	1.42931E-14	1.62602E-12	2.92683E-15
41	570590.6	4177959	0.55, 41779	0.1275	0.1185	87.61849	32.53805	10.95231	5.6614	1.07149E-08	6.26E-11	1.08E-08	7.36E-06	1.72E-08	7.38E-06	9.2E-07	5.78E-09	9.26E-07	3.33E-12	1E-11	5.81E-12	4.24E-15	1.02E-13	5.65E-15	1.12315E-13	1.078E-08	7.3805E-06	9.26E-07	2.76375E-12	1.49243E-14	1.69782E-12	3.05607E-15
42	570630.6	4177959	0.55, 41779	0.13429	0.12721	94.25098	33.95012	11.78137	6.34882	1.12855E-08	6.72E-11	1.14E-08	7.92E-06	1.79E-08	7.94E-06	9.9E-07	6.22E-09	9.96E-07	3.5E-12	1.06E-11	6.12E-12	4.47E-15	1.08E-13	5.95E-15	1.1831E-13	1.135E-08	7.9386E-06	9.96E-07	2.91126E-12	1.57208E-14	1.78844E-12	3.21918E-15
43	570670.6	4177959	0.55, 41779	0.1434	0.13582	91.47953	35.4429	12.89467	6.97952	1.20511E-08	7.17E-11	1.21E-08	7.69E-06	1.87E-08	7.71E-06	1.08E-06	6.81E-09	1.09E-06	3.74E-12	1.13E-11	6.54E-12	4.77E-15	1.15E-13	6.36E-15	1.26336E-13	1.212E-08	7.7065E-06	1.09E-06	3.10875E-12	1.67873E-14	1.90976E-12	3.43756E-15
44	570710.6	4177959	0.55, 41779	0.15342	0.14402	103.54122	38.62398	12.94265	7.57754	1.28932E-08	7.61E-11	1.3E-08	8.7E-06	2.04E-08	8.72E-06	1.09E-06	6.83E-09	1.09E-06	4E-12	1.21E-11	7E-12	5.1E-15	1.23E-13	6.8E-15	1.35156E-13	1.297E-08	8.7218E-06	1.09E-06	3.3258E-12	1.79593E-14	2.04309E-12	3.67757E-15
45	570750.6	4177959	0.55, 41779	0.16261	0.1515	105.52732	44.38977	13.19092	8.09206	1.36655E-08	8.00E-11	1.37E-08	8.87E-06	2.34E-08	8.89E-06	1.11E-06	6.97E-09	1.12E-06	4.24E-12	1.28E-11	7.41E-12	5.41E-15	1.31E-13	7.21E-15	1.43246E-13	1.375E-08	8.8918E-06	1.12E-06	3.52487E-12	1.90343E-14	2.16538E-12	3.89769E-15
46	570790.6	4177959	0.55, 41779	0.16989	0.15823	113.60479	47.24143	14.2006	8.3928	1.42773E-08	8.36E-11	1.44E-08	9.55E-06	2.49E-08	9.57E-06	1.19E-06	7.50E-09	1.2E-06	4.43E-12	1.34E-11	7.75E-12	5.65E-15	1.36E-13	7.53E-15	1.49659E-13	1.436E-08	9.5721E-06	1.2E-06	3.68267E-12	1.98864E-14	2.26232E-12	4.07218E-15
47	570830.6	4177959	0.55, 41779	0.1738	0.16401	115.20896	49.45722	14.40112	8.28774	1.46059E-08	8.66E-11	1.47E-08	9.68E-06	2.61E-08	9.71E-06	1.21E-06	7.61E-09	1.22E-06	4.53E-12	1.37E-11	7.92E-12	5.78E-15	1.4E-13	7.7E-15	1.53115E-13	1.469E-08	9.7081E-06	1.22E-06	3.76771E-12	2.03456E-14	2.31457E-12	4.16622E-15
48	570870.6	4177959	0.55, 41779	0.17339	0.16851	122.33209	52.01335	15.29151	7.46689	1.45714E-08	8.90E-11	1.47E-08	1.03E-05	2.75E-08	1.03E-05	1.29E-06	8.08E-09	1.29E-06	4.52E-12	1.37E-11	7.91E-12	5.77E-15	1.39E-13	7.69E-15	1.52781E-13	1.466E-08	1.0308E-05	1.29E-06	3.75948E-12	2.03012E-14	2.30951E-12	4.15712E-15
49	570910.6	4177959	0.55, 41779	0.16973	0.17204	128.70888	55.67631	16.08861	6.95954	1.42638E-08	9.09E-11	1.44E-08	1.08E-05	2.94E-08	1.08E-05	1.35E-06	8.50E-09	1.36E-06	4.43E-12	1.34E-11	7.74E-12	5.65E-15	1.36E-13	7.53E-15	1.49595E-13	1.435E-08	1.0846E-05	1.36E-06	3.68109E-12	1.98779E-14	2.26135E-12	4.07043E-15
50	570950.6	4177959	0.55, 41779	0.16375	0.1746	137.78687	58.35606	21.41966	8.40086	1.37613E-08	9.22E-11	1.39E-08	1.16E-05	3.08E-08	1.16E-05	1.8E-06	1.13E-08	1.81E-06	4.27E-12	1.29E-11	7.47E-12	5.45E-15	1.32E-13	7.26E-15	1.44371E-13	1.385E-08	1.161E-05	1.81E-06	3.55256E-12	1.91838E-14	2.1824E-12	3.92831E-15
51	570990.6	4177959	0.55, 41779	0.1571	0.17611	148.41379	62.43724	21.20197	10.20575	1.32024E-08	9.30E-11	1.33E-08	1.25E-05	3.30E-08	1.25E-05	1.78E-06	1.12E-08	1.79E-06	4.1E-12	1.24E-11	7.17E-12	5.23E-15	1.26E-13	6.97E-15	1.38556E-13	1.33E-08	1.2505E-05	1.79E-06	3.40945E-12	1.84111E-14	2.09448E-12	3.77007E-15
52	571030.6	4177959	0.55, 41779	0.15135	0.1787	141.29712	68.4386	19.05284	11.40643	1.27192E-08	9.44E-11	1.28E-08	1.19E-05	3.61E-08	1.19E-05	1.6E-06	1.01E-08	1.61E-06	3.95E-12	1.19E-11	6.91E-12	5.04E-15	1.22E-13	6.72E-15	1.33534E-13	1.281E-08	1.1911E-05	1.61E-06	3.28589E-12	1.77438E-14	2.01857E-12	3.63343E-15
53	571070.6	4177959	0.55, 41779	0.14838	0.1815	143.49488	74.36914	18.79197	11.80682	1.24696E-08	9.58E-11	1.26E-08	1.21E-05	3.93E-08	1.21E-05	1.58E-06	9.92E-09	1.59E-06	3.88E-12	1.17E-11	6.78E-12	4.94E-15	1.19E-13	6.59E-15	1.30949E-13	1.257E-08	1.2098E-05	1.59E-06	3.22226E-12	1.74002E-14	1.97949E-12	3.56308E-15
54	571110.6	4177959	0.55, 41779	0.14858	0.18375	140.62761	73.34522	22.74237	10.22286	1.24864E-08	9.70E-11	1.26E-08	1.18E-05	3.87E-08	1.19E-05	1.91E-06	1.20E-08	1.92E-06	3.88E-12	1.17E-11	6.79E-12	4.95E-15	1.2E-13	6.6E-15	1.31136E-13	1.258E-08	1.1857E-05	1.92E-06	3.22688E-12	1.74251E-14	1.98232E-12	3.56818E-15
55	571150.6	4177959	0.55, 41779	0.14994	0.18566	146.3467	67.83983	22.92053	11.48399	1.26007E-08	9.80E-11	1.27E-08	1.23E-05	3.58E-08	1.23E-05	1.93E-06	1.21E-08	1.94E-06	3.92E-12	1.18E-11	6.85E-12	5E-15	1.21E-13	6.66E-15	1.32338E-13	1.27E-08	1.2335E-05	1.94E-06	3.25644E-12	1.75848E-14	2.00049E-12	3.60088E-15
56	571190.6	4177959	0.55, 41779	0.1525	0.18616	161.89014	78.97315	23.12716	11.84075	1.28158E-08	9.83E-11	1.29E-08	1.36E-05	4.17E-08	1.36E-05	1.94E-06	1.22E-08	1.96E-06	3.99E-12	1.2E-11	6.97E-12	5.08E-15	1.23E-13	6.77E-15	1.34582E-13	1.291E-08	1.3647E-05	1.96E-06	3.31168E-12	1.78831E-14	2.03442E-12	3.66196E-15
57	571230.6	4177959	0.55, 41779	0.15542	0.18516	156.07845	81.92899	22.29692	11.22006	1.30612E-08	9.78E-11	1.32E-08	1.31E-05	4.33E-08	1.32E-05	1.87E-06	1.18E-08	1.89E-06	4.06E-12	1.23E-11	7.1E-12	5.18E-15	1.25E-13	6.9E-15	1.37134E-13	1.316E-08	1.316E-05	1.89E-06	3.37447E-12	1.82222E-14	2.07299E-12	3.73139E-15
58	571270.6	4177959	0.55, 41779	0.15909	0.18379	158.42767	82.70179	19.80346	11.54254	1.33696E-08	9.71E-11	1.35E-08	1.33E-05	4.37E-08	1.34E-05	1.66E-06	1.05E-08	1.67E-06	4.16E-12	1.25E-11	7.26E-12	5.3E-15	1.28E-13	7.06E-15	1.40341E-13	1.347E-08	1.3358E-05	1.67E-06	3.45338E-12	1.86483E-14	2.12147E-12	3.81864E-15
59	571310.6	4177959	0.55, 41779	0.1655	0.18382	150.26158	75.50789	18.7827	10.48328	1.39083E-08	9.71E-11	1.4E-08	1.26E-05	3.99E-08	1.27E-05	1.58E-06	9.92E-09	1.59E-06	4.32E-12	1.3E-11	7.55E-12	5.51E-15	1.33E-13	7.34E-15	1.45955E-13	1.401E-08	1.2668E-05	1.59E-06	3.59152E-12	1.93942E-14	2.20633E-12	3.9714E-15
60	571350.6	4177959	0.55, 41779	0.17654	0.1881	154.82597	60.83045	19.35325	9.71095	1.48361E-08	9.93E-11	1.49E-08	1.3E-05	3.21E-08	1.3E-05	1.63E-06	1.02E-08	1.64E-06	4.61E-12	1.39E-11	8.06E-12	5.88E-15	1.42E-13	7.83E-15	1.55647E-13	1.494E-08	1.3043E-05	1.64E-06	3.83002E-12	2.06821E-14	2.35284E-12	4.23512E-15
61	571390.6	4177959	0.55, 41779	0.18842	0.1934	152.92189	54.55359	19.11524	9.16318	1.58345E-08	1.02E-10	1.59E-08	1.29E-05	2.88E-08	1.29E-05	1.61E-06	1.01E-08	1.62E-06	4.92E-12	1.48E-11	8.6E-12	6.27E-15	1.51E-13	8.36E-15	1.66081E-13	1.594E-08	1.288E-05	1.62E-06	4.08676E-12	2.20685E-14	2.51056E-12	4.51902E-15
62	571430.6	4177959	0.55, 41779	0.20645	0.20414	148.33328	50.38722	18.54166	8.09078	1.73497E-08	1.08E-10	1.75E-08	1.25E-05	2.66E-08	1.25E-05	1.56E-06	9.79E-09	1.57E-06	5.39E-12	1.63E-11	9.42E-12	6.87E-15	1.66E-13	9.15E-15	1.8193E-13	1.746E-08	1.2492E-05	1.57E-06	4.47677E-12	2.41746E-14	2.75015E-12	4.95028E-15
63	571470.6	4177959	0.55, 41779	0.22554	0.21577	134.13897	46.24246	16.76737	6.92684	1.8954E-08	1.14E-10	1.91E-08	1.13E-05	2.44E-08	1.13E-05	1.41E-06	8.85E-09	1.42E-06	5.88E-12	1.78E-11	1.03E-11	7.5E-15	1.81E-13	1E-14	1.98713E-13	1.907E-08	1.1297E-05	1.42E-06	4.88975E-12	2.64047E-14	3.00385E-12	5.40694E-15
64	571510.6	4177959	0.55, 41779	0.24332	0.22654	122.33786	38.55117	15.29223	6.75463	2.04482E-08	1.20E-10	2.06E-08	1.03E-05	2.04E-08	1.03E-05	1.29E-06	8.08E-09	1.29E-06	6.35E-12	1.92E-11	1.11E-11	8.09E-15	1.95E-13	1.08E-14	2.14344E-13	2.057E-08	1.0301E-05	1.29E-06	5.27438E-12	2.84816E-14	3.24014E-12	5.83225E-15
65	571550.6	4177959	0.55, 41779	0.25539	0.23344	100.38932	31.1899	12.54867	6.13877	2.14625E-08	1.23E-10	2.16E-08	8.44E-06	1.65E-08	8.45E-06	1.05E-06	6.63E-09	1.06E-06	6.66E-12	2.01E-11	1.16E-11	8.49E-15	2.05E-13	1.13E-14	2.24953E-13	2.159E-08	8.453E-06	1.06E-06	5.53543E-12	2.98913E-14	3.4005E-12	6.12091E-15
66	571590.6	4177959	0.55, 41779	0.26174	0.2364	103.20811	24.1035	12.90101	5.55119	2.19962E-08	1.25E-10	2.21E-08	8.67E-06	1.27E-08	8.69E-06	1.08E-06	6.81E-09	1.09E-06	6.83E-12	2.06E-11	1.19E-11	8.7E-15	2.1E-13	1.16E-14	2.3053E-13	2.212E-08	8.6862E-06	1.09E-06	5.67268E-12	3.06325E-14	3.48482E-12	6.27267E-15
67	570310.6	4177999	0.55, 41779	0.08992	0.06909	61.55411	26.71644	7.69426	4.42886	7.55672E-09	3.65E-11	7.59E-09	5.17E-06	1.41E-08	5.19E-06	6.47E-07	4.06E-09	6.51E-07	2.34E-12	7.07E-12	4.1E-12	2.99E-15	7.22E-14	3.98E-15	7.91312E-14	7.593E-09	5.187E-06	6.51E-07	1.94719E-12	1.05148E-14	1.19619E-12	2.15314E-15
68	570350.6	4177999	0.55, 41779	0.09687	0.07551	63.16088	27.72336	7.89511	4.52605	8.14079E-09	3.99E-11	8.18E-09	5.31E-06	1.46E-08	5.32E-06	6.63E-07	4.17E-09	6.68E-07	2.52E-12	7.62E-12	4.41E-12	3.22E-15	7.77E-14	4.29E-15	8.52533E-14	8.181E-09	5.3226E-06	6.68E-07	2.09784E-12	1.13283E-14	1.28873E-12	2.31972E-15
69	570390.6	4177999	0.55, 41779	0.10411	0.08268	65.18315	28.66629	8.14789	4.5901	8.74922E-09	4.37E-11	8.79E-09	5.48E-06	1.51E-08	5.49E-06	6.85E-07	4.30E-09	6.89E-07	2.71E-12	8.19E-12	4.74E-12	3.46E-15	8.36E-14	4.61E-15	9.16335E-14	8.793E-09	5.493E-06	6.89E-07	2.25483E-12	1.21761E-14	1.38518E-12	2.49333E-15
70	570430.6	4177999	0.55, 41779	0.11178	0.0909	69.77828	29.77159	8.72229	4.64595	9.3938E-09	4.80E-11	9.44E-09	5.86E-06	1.57E-08	5.88E-06	7.33E-07	4.61E-09	7.38E-07	2.91E-12	8.8E-12	5.09E-12	3.71E-15	8.97E-14	4.95E-15	9.8396E-14	9.442E-09	5.8798E-06	7.38E-07	2.42124E-12	1.30747E-14	1.48741E-12	2.67733E-15
71	570470.6	4177999	0.55, 41779	0.11947	0.09994	73.23749	30.82615	9.15469	4.70414	1.00401E-08	5.28E-11	1.01E-08	6.15E-06	1.63E-08	6.17E-06	7.69E-07	4.83E-09	7.74E-07	3.11E-12	9.4E-12	5.44E-12	3.97E-15	9.59E-14	5.29E-15	1.05181E-13	1.009E-08	6.171E-06	7.74E-07	2.58819E-12	1.39762E-14	1.58997E-12	2.86194E-15
72	570510.6	4177999	0.55, 41779	0.12689	0.1096	83.36058	31.87471	10.42007	5.00665	1.06636E-08	5.79E-11	1.07E-08	7.01E-06	1.68E-08	7.02E-06	8.76E-07	5.50E-09	8.81E-07	3.31E-12	9.99E-12	5.78E-12	4.22E-15	1.02E-13	5.62E-15	1.11732E-13	1.072E-08	7.0223E-06	8.81E-07	2.7494E-12	1.48468E-14	1.689E-12	3.0402E-15
73	570550.6	4177999	0.55, 41779	0.1338	0.11968	93.92369	33.13511	11.74046	5.30601	1.12443E-08	6.32E-11	1.13E-08	7.89E-06	1.75E-08	7.91E-06	9.87E-07	6.20E-09	9.93E-07	3.49E-12	1.05E-11	6.1E-12	4.45E-15	1.07E-13	5.93E-15	1.17839E-13	1.131E-08	7.9107E-06	9.93E-07	2.89968E-12	1.56583E-14	1.78132E-12	3.20638E-15
74	570590.6	4177999	0.55, 41779	0.14077	0.13095	98.98148	34.43475	12.37268	5.77536	1.18301E-08	6.92E-11	1.19E-08	8.32E-06	1.82E-08	8.34E-06	1.04E-06	6.53E-09	1.05E-06	3.67E-12	1.11E-11	6.42E-12	4.68E-15	1.13E-13	6.24E-15	1.24006E-13	1.19E-08	8.3364E-06	1.05E-06	3.05142E-12	1.64776E-14	1.87453E-12	3.37416E-15
75	570630.6	4177999	0.55, 41779	0.14863	0.14246	96.29887	35.58815	12.03736	6.62596	1.24906E-08	7.52E-11	1.26E-08	8.09E-06	1.88E-08	8.11E-06	1.01E-06	6.36E-09	1.02E-06	3.88E-12	1.17E-11	6.78E-12	4.94E-15	1.19E-13	6.59E-15	1.30953E-13	1.257E-08	8.1116E-06	1.02E-06	3.22236E-12	1.74008E-14	1.97955E-12	3.56319E-15
76	570670.6	4177999	0.55, 41779	0.15906	0.15417	108.0953	37.02771	13.51191	7.37805	1.33671E-08	8.14E-11	1.34E-08	9.08E-06	1.96E-08	9.1E-06	1.14E-06	7.14E-09	1.14E-06	4.15E-12	1.25E-11	7.25E-12	5.29E-15	1.28E-13	7.05E-15	1.40152E-13	1.345E-08	9.1037E-06	1.14E-06	3.44872E-12	1.86231E-14	2.11861E-12	3.81349E-15
77	570710.6	4177999	0.55, 41779	0.17207	0.16581	109.21603	39.28347	14.39109	8.06843	1.44605E-08	8.76E-11	1.45E-08	9.18E-06	2.07E-08	9.2E-06	1.21E-06	7.60E-09	1.22E-06	4.49E-12	1.36E-11	7.85E-12	5.72E-15	1.38E-13	7.63E-15	1.5161E-13	1.455E-08	9.1991E-06	1.22E-06	3.73067E-12	2.01456E-14	2.29181E-12	4.12526E-15
78	570750.6	4177999	0.55, 41779	0.18601	0.17706	119.66853	46.10023	14.95857	8.7788	1.5632E-08	9.35E-11	1.57E-08	1.01E-05	2.43E-08	1.01E-05	1.26E-06	7.90E-09	1.26E-06	4.85E-12	1.47E-11	8.48E-12	6.19E-15	1.49E-13	8.24E-15	1.6388E-13	1.573E-08	1.0081E-05	1.26E-06	4.03261E-12	2.17761E-14	2.4773E-12	4.45914E-15
79	570790.6	4177999	0.55, 41779	0.19953	0.18772	122.67556	49.8289	15.33445	9.45426	1.67682E-08	9.91E-11	1.69E-08	1.03E-05	2.63E-08	1.03E-05	1.29E-06	8.10E-09	1.3E-06	5.2E-12	1.57E-11	9.1E-12	6.64E-15	1.6E-13	8.84E-15	1.75779E-13	1.687E-08	1.0336E-05	1.3E-06	4.32542E-12	2.33573E-14	2.65718E-12	4.78292E-15
80	570830.6	4177999	0.55, 41779	0.21109	0.19773	133.54261	52.4094	16.69283	9.90962	1.77396E-08	1.04E-10	1.78E-08	1.12E-05	2.77E-08	1.13E-05	1.4E-06	8.82E-09	1.41E-06	5.51E-12	1.66E-11	9.62E-12	7.02E-15	1.7E-13	9.36E-15	1.85959E-13	1.784E-08	1.125E-05	1.41E-06	4.5759E-12	2.47099E-14	2.81105E-12	5.05989E-15
81	570870.6	4177999	0.55, 41779	0.21804	0.20674	131.45449	55.15858	16.43181	9.77159	1.83237E-08	1.09E-10	1.84E-08	1.1E-05	2.91E-08	1.11E-05	1.38E-06	8.68E-09	1.39E-06	5.69E-12	1.72E-11	9.94E-12	7.25E-15	1.75E-13	9.66E-15	1.92095E-13	1.843E-08	1.1076E-05	1.39E-06	4.7269E-12	2.55252E-14	2.90381E-12	5.22686E-15
82	570910.6	4177999	0.55, 41779	0.21803	0.21414	148.11273	59.13207	18.51409	8.43226	1.83229E-08	1.13E-10	1.84E-08	1.24E-05	3.12E-08	1.25E-05	1.56E-06	9.78E-09	1.57E-06	5.69E-12	1.72E-11	9.94E-12	7.25E-15	1.75E-13	9.67E-15	1.92127E-13	1.844E-08	1.2478E-05	1.57E-06	4.72768E-12	2.55295E-14	2.90429E-12	5.22773E-15
83	570950.6	4177999	0.55, 41779	0.2114	0.21889	140.12444	63.58464	21.83562	9.32684	1.77657E-08	1.16E-10	1.79E-08	1.18E-05	3.36E-08	1.18E-05	1.84E-06	1.15E-08	1.85E-06	5.52E-12	1.67E-11	9.64E-12	7.04E-15	1.7E-13	9.37E-15	1.86347E-13	1.788E-08	1.1809E-05	1.85E-06	4.58545E-12	2.47614E-14	2.81691E-12	5.07045E-15
84	570990.6	4177999	0.55, 41779	0.2013	0.22185	171.25011	67.61488	25.43318	11.18299	1.69169E-08	1.17E-10	1.7E-08	1.44E-05	3.57E-08	1.44E-05	2.14E-06	1.34E-08	2.15E-06	5.26E-12	1.59E-11	9.19E-12	6.7E-15	1.62E-13	8.93E-15	1.77517E-13	1.703E-08	1.4427E-05	2.15E-06	4.36819E-12	2.35882E-14	2.68345E-12	4.83021E-15
85	571030.6	4177999	0.55, 41779	0.19301	0.22456	161.4506	75.02365	21.94671	12.50394	1.62202E-08	1.19E-10	1.63E-08	1.36E-05	3.96E-08	1.36E-05	1.84E-06	1.16E-08	1.86E-06	5.04E-12	1.52E-11	8.81E-12	6.43E-15	1.55E-13	8.57E-15	1.70272E-13	1.634E-08	1.3608E-05	1.86E-06	4.1899E-12	2.26255E-14	2.57392E-12	4.63306E-15
86	571070.6	4177999	0.55, 41779	0.18927	0.22808	165.36156	82.48884	21.97245	12.95225	1.59059E-08	1.20E-10	1.6E-08	1.39E-05	4.36E-08	1.39E-05	1.85E-06	1.16E-08	1.86E-06	4.95E-12	1.49E-11	8.64E-12	6.31E-15	1.52E-13	8.4E-15	1.67016E-13	1.603E-08	1.394E-05	1.86E-06	4.10978E-12	2.21928E-14	2.5247E-12	4.54446E-15
87	571110.6	4177999	0.55, 41779	0.18141	0.21619	158.60632	80.72549	25.62624	11.81551	1.52454E-08	1.14E-10	1.54E-08	1.33E-05	4.26E-08	1.34E-05	2.15E-06	1.35E-08	2.17E-06	4.74E-12	1.43E-11	8.28E-12	6.04E-15	1.46E-13	8.05E-15	1.60067E-13	1.536E-08	1.3372E-05	2.17E-06	3.93878E-12	2.12694E-14	2.41966E-12	4.35538E-15
88	571150.6	4177999	0.55, 41779	0.19202	0.23351	164.05988	80.42402	24.96785	14.13496	1.6137E-08	1.23E-10	1.63E-08	1.38E-05	4.25E-08	1.38E-05	2.1E-06	1.32E-08	2.11E-06	5.02E-12	1.52E-11	8.77E-12	6.4E-15	1.55E-13	8.52E-15	1.69454E-13	1.626E-08	1.383E-05	2.11E-06	4.16978E-12	2.25168E-14	2.56156E-12	4.61081E-15
89	571190.6	4177999	0.55, 41779	0.1978	0.23414	182.21875	91.74664	26.03125	13.21695	1.66228E-08	1.24E-10	1.67E-08	1.53E-05	4.85E-08	1.54E-05	2.19E-06	1.37E-08	2.2E-06	5.17E-12	1.56E-11	9.03E-12	6.59E-15	1.59E-13	8.78E-15	1.7452E-13	1.675E-08	1.5362E-05	2.2E-06	4.29442E-12	2.31899E-14	2.63813E-12	4.74864E-15
90	571230.6	4177999	0.55, 41779	0.20367	0.23289	172.67663	91.69738	22.62496	13.85272	1.71161E-08	1.23E-10	1.72E-08	1.45E-05	4.84E-08	1.46E-05	1.9E-06	1.19E-08	1.91E-06	5.32E-12	1.61E-11	9.3E-12	6.78E-15	1.64E-13	9.04E-15	1.79654E-13	1.724E-08	1.456E-05	1.91E-06	4.42076E-12	2.38721E-14	2.71574E-12	4.88834E-15
91	571270.6	4177999	0.55, 41779	0.21358	0.23476	171.66845	86.35935	21.45856	13.01074	1.79489E-08	1.24E-10	1.81E-08	1.44E-05	4.56E-08	1.45E-05	1.8E-06	1.13E-08	1.81E-06	5.58E-12	1.68E-11	9.75E-12	7.11E-15	1.72E-13	9.48E-15	1.88343E-13	1.807E-08	1.4472E-05	1.81E-06	4.63458E-12	2.50267E-14	2.8471E-12	5.12477E-15
92	571310.6	4177999	0.55, 41779	0.23025	0.24083	171.26207	72.34733	21.40776	11.81711	1.93498E-08	1.27E-10	1.95E-08	1.44E-05	3.82E-08	1.44E-05	1.8E-06	1.13E-08	1.81E-06	6.01E-12	1.81E-11	1.05E-11	7.66E-15	1.85E-13	1.02E-14	2.02976E-13	1.948E-08	1.4431E-05	1.81E-06	4.99465E-12	2.69711E-14	3.06829E-12	5.52293E-15
93	571350.6	4177999	0.55, 41779	0.25373	0.25254	169.27826	60.68614	21.15978	11.13084	2.1323E-08	1.33E-10	2.15E-08	1.42E-05	3.20E-08	1.43E-05	1.78E-06	1.12E-08	1.79E-06	6.62E-12	2E-11	1.16E-11	8.44E-15	2.04E-13	1.12E-14	2.23604E-13	2.146E-08	1.4258E-05	1.79E-06	5.50224E-12	2.97121E-14	3.38012E-12	6.08421E-15
94	571390.6	4177999	0.55, 41779	0.27999	0.26698	164.13881	55.69534	20.51735	9.69774	2.35299E-08	1.41E-10	2.37E-08	1.38E-05	2.94E-08	1.38E-05	1.72E-06	1.08E-08	1.74E-06	7.3E-12	2.21E-11	1.28E-11	9.31E-15	2.25E-13	1.24E-14	2.46682E-13	2.367E-08	1.3823E-05	1.74E-06	6.07012E-12	3.27786E-14	3.72897E-12	6.71215E-15
95	571430.6	4177999	0.55, 41779	0.30187	0.27888	148.06777	50.74185	18.50847	8.30154	2.53686E-08	1.47E-10	2.55E-08	1.24E-05	2.68E-08	1.25E-05	1.56E-06	9.77E-09	1.57E-06	7.87E-12	2.38E-11	1.38E-11	1E-14	2.42E-13	1.34E-14	2.65909E-13	2.552E-08	1.247E-05	1.57E-06	6.54326E-12	3.53336E-14	4.01963E-12	7.23533E-15
96	571470.6	4177999	0.55, 41779	0.32222	0.29016	133.22849	41.8567	16.65356	8.00082	2.70788E-08	1.53E-10	2.72E-08	1.12E-05	2.21E-08	1.12E-05	1.4E-06	8.79E-09	1.41E-06	8.4E-12	2.54E-11	1.47E-11	1.07E-14	2.59E-13	1.43E-14	2.83794E-13	2.723E-08	1.1218E-05	1.41E-06	6.98334E-12	3.771E-14	4.28998E-12	7.72196E-15
97	571510.6	4177999	0.55, 41779	0.33311	0.29527	113.25391	33.39085	14.15674	7.16119	2.7994E-08	1.56E-10	2.81E-08	9.52E-06	1.76E-08	9.54E-06	1.19E-06	7.48E-09	1.2E-06	8.69E-12	2.62E-11	1.52E-11	1.11E-14	2.68E-13	1.48E-14	2.93359E-13	2.815E-08	9.5353E-06	1.2E-06	7.21872E-12	3.89811E-14	4.43458E-12	7.98224E-15
98	571550.6	4177999	0.55, 41779	0.33431	0.29408	118.79132	25.19774	14.84891	6.75336	2.80948E-08	1.55E-10	2.83E-08	9.98E-06	1.33E-08	1E-05	1.25E-06	7.84E-09	1.26E-06	8.72E-12	2.63E-11	1.52E-11	1.11E-14	2.68E-13	1.48E-14	2.94404E-13	2.825E-08	9.9963E-06	1.26E-06	7.24442E-12	3.91199E-14	4.45036E-12	8.01065E-15
99	571590.6	4177999	0.55, 41779	0.32897	0.28857	117.12124	19.87515	14.64016	6.7762	2.76461E-08	1.52E-10	2.78E-08	9.84E-06	1.05E-08	9.85E-06	1.23E-06	7.73E-09	1.24E-06	8.58E-12	2.59E-11	1.5E-11	1.09E-14	2.64E-13	1.46E-14	2.89697E-13	2.78E-08	9.8532E-06	1.24E-06	7.12859E-12	3.84944E-14	4.37921E-12	7.88258E-15
100	570310.6	4178039	0.55, 41780	0.09395	0.07118	60.38117	27.45867	7.54765	4.57644	7.8954E-09	3.76E-11	7.93E-09	5.07E-06	1.45E-08	5.09E-06	6.34E-07	3.99E-09	6.38E-07	2.45E-12	7.39E-12	4.28E-12	3.12E-15	7.54E-14	4.16E-15	8.26722E-14	7.933E-09	5.0888E-06	6.38E-07	2.03432E-12	1.09853E-14	1.24972E-12	2.24949E-15
101	570350.6	4178039	0.55, 41780	0.10181	0.07823	67.40685	28.30867	8.42586	4.71811	8.55594E-09	4.13E-11	8.6E-09	5.66E-06	1.49E-08	5.68E-06	7.08E-07	4.45E-09	7.13E-07	2.65E-12	8.01E-12	4.64E-12	3.38E-15	8.17E-14	4.51E-15	8.95947E-14	8.597E-09	5.6797E-06	7.13E-07	2.20466E-12	1.19052E-14	1.35436E-12	2.43785E-15
102	570390.6	4178039	0.55, 41780	0.11033	0.08626	70.86935	29.39362	8.85867	4.86131	9.27194E-09	4.56E-11	9.32E-09	5.96E-06	1.55E-08	5.97E-06	7.44E-07	4.68E-09	7.49E-07	2.88E-12	8.68E-12	5.03E-12	3.67E-15	8.85E-14	4.88E-15	9.71006E-14	9.317E-09	5.9713E-06	7.49E-07	2.38936E-12	1.29026E-14	1.46782E-12	2.64208E-15
103	570430.6	4178039	0.55, 41780	0.11935	0.09539	72.77771	30.53752	9.09721	4.99157	1.003E-08	5.04E-11	1.01E-08	6.12E-06	1.61E-08	6.13E-06	7.65E-07	4.80E-09	7.69E-07	3.11E-12	9.39E-12	5.44E-12	3.97E-15	9.58E-14	5.28E-15	1.0505E-13	1.008E-08	6.1322E-06	7.69E-07	2.58499E-12	1.39589E-14	1.588E-12	2.8584E-15
104	570470.6	4178039	0.55, 41780	0.12876	0.10583	77.88414	31.78332	9.73552	5.12346	1.08208E-08	5.59E-11	1.09E-08	6.55E-06	1.68E-08	6.56E-06	8.18E-07	5.14E-09	8.23E-07	3.36E-12	1.01E-11	5.87E-12	4.28E-15	1.03E-13	5.7E-15	1.13349E-13	1.088E-08	6.562E-06	8.23E-07	2.78919E-12	1.50616E-14	1.71345E-12	3.0842E-15
105	570510.6	4178039	0.55, 41780	0.13797	0.11733	81.61557	33.05226	10.20195	5.27698	1.15948E-08	6.20E-11	1.17E-08	6.86E-06	1.75E-08	6.88E-06	8.57E-07	5.39E-09	8.63E-07	3.6E-12	1.09E-11	6.29E-12	4.59E-15	1.11E-13	6.11E-15	1.21478E-13	1.166E-08	6.8763E-06	8.63E-07	2.98923E-12	1.61418E-14	1.83633E-12	3.3054E-15
106	570550.6	4178039	0.55, 41780	0.14677	0.12979	83.22783	34.40977	10.40348	5.64664	1.23343E-08	6.85E-11	1.24E-08	6.99E-06	1.82E-08	7.01E-06	8.74E-07	5.49E-09	8.8E-07	3.83E-12	1.16E-11	6.69E-12	4.88E-15	1.18E-13	6.5E-15	1.29254E-13	1.24E-08	7.0125E-06	8.8E-07	3.18056E-12	1.7175E-14	1.95387E-12	3.51697E-15
107	570590.6	4178039	0.55, 41780	0.15543	0.14397	100.7883	35.81672	12.59854	6.05306	1.30621E-08	7.60E-11	1.31E-08	8.47E-06	1.89E-08	8.49E-06	1.06E-06	6.65E-09	1.07E-06	4.05E-12	1.22E-11	7.09E-12	5.17E-15	1.25E-13	6.89E-15	1.36916E-13	1.314E-08	8.489E-06	1.07E-06	3.36911E-12	1.81932E-14	2.0697E-12	3.72546E-15
108	570630.6	4178039	0.55, 41780	0.16446	0.15887	114.63184	37.47906	14.32898	6.85921	1.38209E-08	8.39E-11	1.39E-08	9.63E-06	1.98E-08	9.65E-06	1.2E-06	7.57E-09	1.21E-06	4.29E-12	1.3E-11	7.5E-12	5.47E-15	1.32E-13	7.29E-15	1.44907E-13	1.39E-08	9.6533E-06	1.21E-06	3.56573E-12	1.9255E-14	2.19049E-12	3.94288E-15
109	570670.6	4178039	0.55, 41780	0.17604	0.17458	120.19022	39.09251	15.02378	7.81169	1.47941E-08	9.22E-11	1.49E-08	1.01E-05	2.06E-08	1.01E-05	1.26E-06	7.93E-09	1.27E-06	4.59E-12	1.39E-11	8.03E-12	5.86E-15	1.41E-13	7.8E-15	1.55135E-13	1.489E-08	1.0121E-05	1.27E-06	3.81742E-12	2.0614E-14	2.3451E-12	4.22118E-15
110	570710.6	4178039	0.55, 41780	0.19156	0.191	122.05191	40.81454	15.86896	8.63568	1.60984E-08	1.01E-10	1.62E-08	1.03E-05	2.16E-08	1.03E-05	1.33E-06	8.38E-09	1.34E-06	5E-12	1.51E-11	8.74E-12	6.37E-15	1.54E-13	8.49E-15	1.68817E-13	1.62E-08	1.0279E-05	1.34E-06	4.15411E-12	2.24322E-14	2.55193E-12	4.59348E-15
111	570750.6	4178039	0.55, 41780	0.2105	0.20761	132.53323	47.68084	16.56665	9.43658	1.76901E-08	1.10E-10	1.78E-08	1.11E-05	2.52E-08	1.12E-05	1.39E-06	8.75E-09	1.4E-06	5.49E-12	1.66E-11	9.6E-12	7E-15	1.69E-13	9.33E-15	1.85496E-13	1.78E-08	1.1163E-05	1.4E-06	4.56452E-12	2.46484E-14	2.80406E-12	5.04731E-15
112	570790.6	4178039	0.55, 41780	0.23169	0.22417	139.552	52.7884	17.444	10.33029	1.94708E-08	1.18E-10	1.96E-08	1.17E-05	2.79E-08	1.18E-05	1.47E-06	9.21E-09	1.48E-06	6.04E-12	1.83E-11	1.06E-11	7.71E-15	1.86E-13	1.03E-14	2.04145E-13	1.959E-08	1.1756E-05	1.48E-06	5.02342E-12	2.71265E-14	3.08597E-12	5.55475E-15
113	570830.6	4178039	0.55, 41780	0.25382	0.24067	145.24751	55.81087	18.15594	11.28689	2.13306E-08	1.27E-10	2.15E-08	1.22E-05	2.95E-08	1.22E-05	1.53E-06	9.59E-09	1.54E-06	6.62E-12	2E-11	1.16E-11	8.44E-15	2.04E-13	1.12E-14	2.23617E-13	2.146E-08	1.2236E-05	1.54E-06	5.50257E-12	2.97139E-14	3.38032E-12	6.08458E-15
114	570870.6	4178039	0.55, 41780	0.27385	0.25672	159.27674	59.06353	19.90959	12.04587	2.30139E-08	1.36E-10	2.31E-08	1.34E-05	3.12E-08	1.34E-05	1.67E-06	1.05E-08	1.68E-06	7.14E-12	2.16E-11	1.25E-11	9.11E-15	2.2E-13	1.21E-14	2.41248E-13	2.315E-08	1.3417E-05	1.68E-06	5.93641E-12	3.20566E-14	3.64683E-12	6.5643E-15
115	570910.6	4178039	0.55, 41780	0.28498	0.272	154.31681	63.03506	19.2896	11.80173	2.39492E-08	1.44E-10	2.41E-08	1.3E-05	3.33E-08	1.3E-05	1.62E-06	1.02E-08	1.63E-06	7.43E-12	2.24E-11	1.3E-11	9.48E-15	2.29E-13	1.26E-14	2.51079E-13	2.409E-08	1.3002E-05	1.63E-06	6.17833E-12	3.3363E-14	3.79545E-12	6.83181E-15
116	570950.6	4178039	0.55, 41780	0.28313	0.28254	178.15221	69.82475	22.26903	10.41815	2.37938E-08	1.49E-10	2.39E-08	1.5E-05	3.69E-08	1.5E-05	1.87E-06	1.18E-08	1.88E-06	7.39E-12	2.23E-11	1.29E-11	9.42E-15	2.28E-13	1.26E-14	2.49517E-13	2.394E-08	1.5008E-05	1.88E-06	6.13989E-12	3.31554E-14	3.77184E-12	6.78931E-15
117	570990.6	4178039	0.55, 41780	0.27042	0.28832	188.87787	74.10995	29.14051	12.35166	2.27256E-08	1.52E-10	2.29E-08	1.59E-05	3.91E-08	1.59E-05	2.45E-06	1.54E-08	2.46E-06	7.06E-12	2.13E-11	1.23E-11	9E-15	2.17E-13	1.2E-14	2.38418E-13	2.288E-08	1.5912E-05	2.46E-06	5.86677E-12	3.16805E-14	3.60405E-12	6.48729E-15
118	571030.6	4178039	0.55, 41780	0.25749	0.29249	188.96663	83.29257	26.99523	13.88209	2.1639E-08	1.54E-10	2.18E-08	1.59E-05	4.40E-08	1.59E-05	2.27E-06	1.43E-08	2.28E-06	6.73E-12	2.03E-11	1.18E-11	8.57E-15	2.07E-13	1.14E-14	2.27117E-13	2.179E-08	1.5924E-05	2.28E-06	5.58868E-12	3.01789E-14	3.43322E-12	6.17979E-15
119	571070.6	4178039	0.55, 41780	0.25163	0.29646	192.59035	92.57991	26.01862	14.40126	2.11465E-08	1.57E-10	2.13E-08	1.62E-05	4.89E-08	1.62E-05	2.19E-06	1.37E-08	2.2E-06	6.57E-12	1.98E-11	1.15E-11	8.38E-15	2.02E-13	1.12E-14	2.22006E-13	2.13E-08	1.6234E-05	2.2E-06	5.46293E-12	2.94998E-14	3.35597E-12	6.04074E-15
120	571110.6	4178039	0.55, 41780	0.23996	0.28057	179.79911	89.13384	29.33997	15.522	2.01658E-08	1.48E-10	2.03E-08	1.51E-05	4.71E-08	1.52E-05	2.47E-06	1.55E-08	2.48E-06	6.27E-12	1.89E-11	1.1E-11	7.99E-15	1.93E-13	1.07E-14	2.11699E-13	2.031E-08	1.5157E-05	2.48E-06	5.20929E-12	2.81301E-14	3.20015E-12	5.76027E-15
121	571150.6	4178039	0.55, 41780	0.25767	0.30302	202.30498	100.11261	28.90071	16.95197	2.16541E-08	1.60E-10	2.18E-08	1.7E-05	5.29E-08	1.71E-05	2.43E-06	1.53E-08	2.44E-06	6.73E-12	2.03E-11	1.18E-11	8.58E-15	2.07E-13	1.14E-14	2.27332E-13	2.181E-08	1.7054E-05	2.44E-06	5.59399E-12	3.02075E-14	3.43648E-12	6.18566E-15
122	571190.6	4178039	0.55, 41780	0.27122	0.30641	194.68377	101.89225	27.81197	16.7188	2.27929E-08	1.62E-10	2.3E-08	1.64E-05	5.38E-08	1.64E-05	2.34E-06	1.47E-08	2.35E-06	7.08E-12	2.14E-11	1.24E-11	9.03E-15	2.18E-13	1.2E-14	2.39218E-13	2.295E-08	1.6415E-05	2.35E-06	5.88646E-12	3.17869E-14	3.61615E-12	6.50906E-15
123	571230.6	4178039	0.55, 41780	0.28804	0.31092	196.84209	99.06119	24.60526	16.26482	2.42064E-08	1.64E-10	2.44E-08	1.65E-05	5.23E-08	1.66E-05	2.07E-06	1.30E-08	2.08E-06	7.52E-12	2.27E-11	1.31E-11	9.59E-15	2.32E-13	1.28E-14	2.53974E-13	2.437E-08	1.6595E-05	2.08E-06	6.24955E-12	3.37476E-14	3.8392E-12	6.91056E-15
124	571270.6	4178039	0.55, 41780	0.31661	0.32283	191.8709	85.51951	23.98386	14.63938	2.66074E-08	1.70E-10	2.68E-08	1.61E-05	4.52E-08	1.62E-05	2.02E-06	1.27E-08	2.03E-06	8.26E-12	2.49E-11	1.44E-11	1.05E-14	2.54E-13	1.4E-14	2.7906E-13	2.678E-08	1.617E-05	2.03E-06	6.86687E-12	3.70811E-14	4.21843E-12	7.59317E-15
125	571310.6	4178039	0.55, 41780	0.35598	0.34149	189.38373	68.10225	23.67297	13.72977	2.99159E-08	1.80E-10	3.01E-08	1.59E-05	3.60E-08	1.6E-05	1.99E-06	1.25E-08	2E-06	9.29E-12	2.8E-11	1.62E-11	1.18E-14	2.86E-13	1.58E-14	3.13643E-13	3.01E-08	1.5951E-05	2E-06	7.71784E-12	4.16763E-14	4.74119E-12	8.53415E-15
126	571350.6	4178039	0.55, 41780	0.39399	0.35989	182.95784	62.01914	22.86973	11.81322	3.31102E-08	1.90E-10	3.33E-08	1.54E-05	3.28E-08	1.54E-05	1.92E-06	1.21E-08	1.93E-06	1.03E-11	3.1E-11	1.8E-11	1.31E-14	3.16E-13	1.75E-14	3.47033E-13	3.33E-08	1.5408E-05	1.93E-06	8.53947E-12	4.61131E-14	5.24594E-12	9.44269E-15
127	571390.6	4178039	0.55, 41780	0.4222	0.3733	164.47464	56.17724	20.55933	10.13431	3.5481E-08	1.97E-10	3.57E-08	1.38E-05	2.97E-08	1.39E-05	1.73E-06	1.09E-08	1.74E-06	1.1E-11	3.32E-11	1.92E-11	1.4E-14	3.39E-13	1.87E-14	3.71813E-13	3.568E-08	1.3852E-05	1.74E-06	9.14923E-12	4.94058E-14	5.62052E-12	1.01169E-14
128	571430.6	4178039	0.55, 41780	0.44026	0.38105	146.31006	45.8458	18.28876	9.60517	3.69987E-08	2.01E-10	3.72E-08	1.23E-05	2.42E-08	1.23E-05	1.54E-06	9.66E-09	1.55E-06	1.15E-11	3.47E-11	2.01E-11	1.46E-14	3.54E-13	1.95E-14	3.87672E-13	3.72E-08	1.232E-05	1.55E-06	9.53949E-12	5.15132E-14	5.86026E-12	1.05485E-14
129	571470.6	4178039	0.55, 41780	0.44344	0.3799	134.05635	35.96521	16.75704	8.42199	3.72659E-08	2.01E-10	3.75E-08	1.13E-05	1.90E-08	1.13E-05	1.41E-06	8.85E-09	1.42E-06	1.16E-11	3.49E-11	2.02E-11	1.47E-14	3.56E-13	1.96E-14	3.90451E-13	3.747E-08	1.1285E-05	1.42E-06	9.60786E-12	5.18824E-14	5.90226E-12	1.06241E-14
130	571510.6	4178039	0.55, 41780	0.43369	0.37075	135.2804	26.4112	16.91005	8.14543	3.64466E-08	1.96E-10	3.66E-08	1.14E-05	1.39E-08	1.14E-05	1.42E-06	8.93E-09	1.43E-06	1.13E-11	3.41E-11	1.98E-11	1.44E-14	3.48E-13	1.92E-14	3.81862E-13	3.664E-08	1.1383E-05	1.43E-06	9.3965E-12	5.07411E-14	5.77242E-12	1.03904E-14
131	571550.6	4178039	0.55, 41780	0.4157	0.35641	128.00174	25.24959	16.00022	7.84928	3.49347E-08	1.88E-10	3.51E-08	1.08E-05	1.33E-08	1.08E-05	1.34E-06	8.45E-09	1.35E-06	1.08E-11	3.27E-11	1.89E-11	1.38E-14	3.34E-13	1.84E-14	3.66027E-13	3.512E-08	1.077E-05	1.35E-06	9.00687E-12	4.86371E-14	5.53306E-12	9.95951E-15
132	571590.6	4178039	0.55, 41780	0.38889	0.33646	114.21376	28.264	14.27672	7.21894	3.26816E-08	1.78E-10	3.29E-08	9.6E-06	1.49E-08	9.61E-06	1.2E-06	7.54E-09	1.21E-06	1.01E-11	3.06E-11	1.77E-11	1.29E-14	3.12E-13	1.72E-14	3.42437E-13	3.286E-08	9.6133E-06	1.21E-06	8.42639E-12	4.55025E-14	5.17647E-12	9.31764E-15
133	570310.6	4178079	0.55, 41780	0.09792	0.07296	71.40728	28.01469	8.92591	4.66912	8.22903E-09	3.85E-11	8.27E-09	6E-06	1.48E-08	6.02E-06	7.5E-07	4.71E-09	7.55E-07	2.55E-12	7.7E-12	4.46E-12	3.25E-15	7.86E-14	4.33E-15	8.61588E-14	8.268E-09	6.0157E-06	7.55E-07	2.12012E-12	1.14486E-14	1.30242E-12	2.34436E-15
134	570350.6	4178079	0.55, 41780	0.1067	0.08065	70.03301	29.10671	8.75413	4.85112	8.96688E-09	4.26E-11	9.01E-09	5.89E-06	1.54E-08	5.9E-06	7.36E-07	4.62E-09	7.4E-07	2.78E-12	8.39E-12	4.86E-12	3.54E-15	8.56E-14	4.72E-15	9.38906E-14	9.009E-09	5.9008E-06	7.4E-07	2.31037E-12	1.2476E-14	1.4193E-12	2.55474E-15
135	570390.6	4178079	0.55, 41780	0.11641	0.08948	73.93226	30.15719	9.24153	5.0262	9.78289E-09	4.73E-11	9.83E-09	6.21E-06	1.59E-08	6.23E-06	7.77E-07	4.88E-09	7.82E-07	3.03E-12	9.16E-12	5.3E-12	3.87E-15	9.34E-14	5.15E-15	1.02443E-13	9.83E-09	6.2291E-06	7.82E-07	2.52083E-12	1.36125E-14	1.54858E-12	2.78745E-15
136	570430.6	4178079	0.55, 41780	0.12715	0.09969	79.99098	31.34254	9.99887	5.20891	1.06855E-08	5.26E-11	1.07E-08	6.72E-06	1.66E-08	6.74E-06	8.4E-07	5.28E-09	8.46E-07	3.31E-12	1E-11	5.79E-12	4.22E-15	1.02E-13	5.63E-15	1.11905E-13	1.074E-08	6.7389E-06	8.46E-07	2.75366E-12	1.48698E-14	1.69162E-12	3.04492E-15
137	570470.6	4178079	0.55, 41780	0.13857	0.11144	81.53824	32.65768	10.19228	5.39019	1.16452E-08	5.89E-11	1.17E-08	6.85E-06	1.72E-08	6.87E-06	8.57E-07	5.38E-09	8.62E-07	3.61E-12	1.09E-11	6.31E-12	4.6E-15	1.11E-13	6.14E-15	1.21971E-13	1.17E-08	6.8696E-06	8.62E-07	3.00136E-12	1.62074E-14	1.84379E-12	3.31881E-15
138	570510.6	4178079	0.55, 41780	0.15049	0.12507	87.75299	34.11951	10.96912	5.60116	1.26469E-08	6.60E-11	1.27E-08	7.37E-06	1.80E-08	7.39E-06	9.22E-07	5.79E-09	9.28E-07	3.92E-12	1.18E-11	6.86E-12	5E-15	1.21E-13	6.67E-15	1.32486E-13	1.271E-08	7.3926E-06	9.28E-07	3.26009E-12	1.76045E-14	2.00273E-12	3.60491E-15
139	570550.6	4178079	0.55, 41780	0.16198	0.14034	91.64015	35.64897	11.45502	5.99366	1.36125E-08	7.41E-11	1.37E-08	7.7E-06	1.88E-08	7.72E-06	9.63E-07	6.05E-09	9.69E-07	4.22E-12	1.28E-11	7.38E-12	5.38E-15	1.3E-13	7.18E-15	1.42633E-13	1.369E-08	7.7201E-06	9.69E-07	3.50978E-12	1.89528E-14	2.15611E-12	3.881E-15
140	570590.6	4178079	0.55, 41780	0.17272	0.15744	88.35639	37.38874	11.57204	6.46071	1.45151E-08	8.31E-11	1.46E-08	7.43E-06	1.97E-08	7.45E-06	9.72E-07	6.11E-09	9.79E-07	4.5E-12	1.36E-11	7.87E-12	5.74E-15	1.39E-13	7.65E-15	1.52133E-13	1.46E-08	7.4451E-06	9.79E-07	3.74355E-12	2.02152E-14	2.29972E-12	4.1395E-15
141	570630.6	4178079	0.55, 41780	0.1831	0.1763	101.08083	39.23196	12.6351	7.02353	1.53874E-08	9.31E-11	1.55E-08	8.49E-06	2.07E-08	8.52E-06	1.06E-06	6.67E-09	1.07E-06	4.78E-12	1.44E-11	8.35E-12	6.09E-15	1.47E-13	8.12E-15	1.61327E-13	1.548E-08	8.5154E-06	1.07E-06	3.9698E-12	2.14369E-14	2.43871E-12	4.38968E-15
142	570670.6	4178079	0.55, 41780	0.19537	0.19687	125.63761	41.20021	15.7047	8.22231	1.64186E-08	1.04E-10	1.65E-08	1.06E-05	2.18E-08	1.06E-05	1.32E-06	8.29E-09	1.33E-06	5.1E-12	1.54E-11	8.91E-12	6.5E-15	1.57E-13	8.66E-15	1.72186E-13	1.652E-08	1.058E-05	1.33E-06	4.23701E-12	2.28798E-14	2.60286E-12	4.68515E-15
143	570710.6	4178079	0.55, 41780	0.21241	0.21933	144.38379	43.29239	18.04797	9.29195	1.78506E-08	1.16E-10	1.8E-08	1.21E-05	2.29E-08	1.22E-05	1.52E-06	9.53E-09	1.53E-06	5.54E-12	1.67E-11	9.69E-12	7.07E-15	1.71E-13	9.42E-15	1.87234E-13	1.797E-08	1.2157E-05	1.53E-06	4.60727E-12	2.48793E-14	2.83032E-12	5.09458E-15
144	570750.6	4178079	0.55, 41780	0.23537	0.24332	149.96792	48.92505	18.74599	10.23	1.97801E-08	1.28E-10	1.99E-08	1.26E-05	2.58E-08	1.26E-05	1.58E-06	9.90E-09	1.59E-06	6.14E-12	1.85E-11	1.07E-11	7.83E-15	1.89E-13	1.04E-14	2.07474E-13	1.991E-08	1.2629E-05	1.59E-06	5.10532E-12	2.75687E-14	3.13628E-12	5.64531E-15
145	570790.6	4178079	0.55, 41780	0.26445	0.26867	159.48841	56.15329	19.93605	11.24377	2.22239E-08	1.42E-10	2.24E-08	1.34E-05	2.97E-08	1.34E-05	1.68E-06	1.05E-08	1.69E-06	6.9E-12	2.08E-11	1.21E-11	8.8E-15	2.13E-13	1.17E-14	2.33081E-13	2.237E-08	1.3433E-05	1.69E-06	5.73545E-12	3.09714E-14	3.52338E-12	6.34208E-15
146	570830.6	4178079	0.55, 41780	0.30001	0.29551	164.85959	59.75168	20.60745	12.43332	2.52123E-08	1.56E-10	2.54E-08	1.39E-05	3.16E-08	1.39E-05	1.73E-06	1.09E-08	1.74E-06	7.83E-12	2.36E-11	1.37E-11	9.98E-15	2.41E-13	1.33E-14	2.64372E-13	2.537E-08	1.3886E-05	1.74E-06	6.50542E-12	3.51293E-14	3.99639E-12	7.1935E-15
147	570870.6	4178079	0.55, 41780	0.34051	0.32416	178.96906	63.85658	22.37113	13.91568	2.86159E-08	1.71E-10	2.88E-08	1.5E-05	3.37E-08	1.51E-05	1.88E-06	1.18E-08	1.89E-06	8.88E-12	2.68E-11	1.55E-11	1.13E-14	2.74E-13	1.51E-14	2.99999E-13	2.879E-08	1.5074E-05	1.89E-06	7.38211E-12	3.98634E-14	4.53495E-12	8.16291E-15
148	570910.6	4178079	0.55, 41780	0.37529	0.35313	192.82824	68.49057	24.10353	15.26079	3.15387E-08	1.86E-10	3.17E-08	1.62E-05	3.62E-08	1.62E-05	2.03E-06	1.27E-08	2.04E-06	9.79E-12	2.96E-11	1.71E-11	1.25E-14	3.02E-13	1.66E-14	3.30618E-13	3.173E-08	1.6241E-05	2.04E-06	8.13556E-12	4.3932E-14	4.99781E-12	8.99605E-15
149	570950.6	4178079	0.55, 41780	0.39192	0.37725	199.56835	75.56845	26.9715	14.65967	3.29363E-08	1.99E-10	3.31E-08	1.68E-05	3.99E-08	1.68E-05	2.27E-06	1.42E-08	2.28E-06	1.02E-11	3.09E-11	1.79E-11	1.3E-14	3.15E-13	1.74E-14	3.45316E-13	3.314E-08	1.6811E-05	2.28E-06	8.49721E-12	4.5885E-14	5.21998E-12	9.39596E-15
150	570990.6	4178079	0.55, 41780	0.38624	0.39167	209.52387	83.72546	31.32288	13.79848	3.24589E-08	2.07E-10	3.27E-08	1.76E-05	4.42E-08	1.77E-05	2.63E-06	1.65E-08	2.65E-06	1.01E-11	3.04E-11	1.76E-11	1.29E-14	3.1E-13	1.71E-14	3.4042E-13	3.267E-08	1.7652E-05	2.65E-06	8.37676E-12	4.52345E-14	5.14598E-12	9.26276E-15
151	571030.6	4178079	0.55, 41780	0.36706	0.40059	238.62537	94.19927	34.73297	15.69988	3.08471E-08	2.12E-10	3.11E-08	2.01E-05	4.97E-08	2.01E-05	2.92E-06	1.83E-08	2.94E-06	9.58E-12	2.89E-11	1.68E-11	1.22E-14	2.95E-13	1.63E-14	3.23672E-13	3.106E-08	2.0103E-05	2.94E-06	7.96463E-12	4.3009E-14	4.8928E-12	8.80704E-15
152	571070.6	4178079	0.55, 41780	0.35702	0.41066	228.92087	105.90077	31.45005	16.61116	3.00033E-08	2.17E-10	3.02E-08	1.92E-05	5.59E-08	1.93E-05	2.64E-06	1.66E-08	2.66E-06	9.33E-12	2.82E-11	1.63E-11	1.19E-14	2.87E-13	1.58E-14	3.14934E-13	3.022E-08	1.9294E-05	2.66E-06	7.74962E-12	4.1848E-14	4.76072E-12	8.56929E-15
153	571110.6	4178079	0.55, 41780	0.35812	0.41418	212.64364	104.08221	34.6648	20.98986	3.00958E-08	2.19E-10	3.03E-08	1.79E-05	5.50E-08	1.79E-05	2.91E-06	1.83E-08	2.93E-06	9.35E-12	2.82E-11	1.64E-11	1.19E-14	2.88E-13	1.59E-14	3.15917E-13	3.031E-08	1.7925E-05	2.93E-06	7.7738E-12	4.19785E-14	4.77557E-12	8.59603E-15
154	571150.6	4178079	0.55, 41780	0.37758	0.42317	239.48451	117.47672	34.21207	20.38272	3.17312E-08	2.23E-10	3.2E-08	2.01E-05	6.20E-08	2.02E-05	2.88E-06	1.81E-08	2.89E-06	9.86E-12	2.98E-11	1.72E-11	1.26E-14	3.04E-13	1.68E-14	3.3301E-13	3.195E-08	2.0188E-05	2.89E-06	8.1944E-12	4.42497E-14	5.03395E-12	9.06111E-15
155	571190.6	4178079	0.55, 41780	0.41277	0.43447	228.77572	115.09155	28.66724	20.67403	3.46885E-08	2.29E-10	3.49E-08	1.92E-05	6.08E-08	1.93E-05	2.41E-06	1.51E-08	2.42E-06	1.08E-11	3.25E-11	1.88E-11	1.37E-14	3.32E-13	1.83E-14	3.63891E-13	3.492E-08	1.9287E-05	2.42E-06	8.95429E-12	4.83532E-14	5.50077E-12	9.90138E-15
156	571230.6	4178079	0.55, 41780	0.46673	0.45732	219.54291	100.98995	27.44286	18.56894	3.92232E-08	2.42E-10	3.95E-08	1.85E-05	5.33E-08	1.85E-05	2.31E-06	1.45E-08	2.32E-06	1.22E-11	3.68E-11	2.13E-11	1.55E-14	3.75E-13	2.07E-14	4.11274E-13	3.946E-08	1.8503E-05	2.32E-06	1.01203E-11	5.46494E-14	6.21704E-12	1.11907E-14
157	571270.6	4178079	0.55, 41780	0.53318	0.48578	215.1929	81.06645	26.89911	17.27973	4.48075E-08	2.57E-10	4.51E-08	1.81E-05	4.28E-08	1.81E-05	2.26E-06	1.42E-08	2.27E-06	1.39E-11	4.2E-11	2.43E-11	1.77E-14	4.28E-13	2.36E-14	4.69627E-13	4.506E-08	1.8127E-05	2.27E-06	1.15562E-11	6.24032E-14	7.09913E-12	1.27784E-14
158	571310.6	4178079	0.55, 41780	0.58671	0.50689	205.97464	69.75551	25.74683	14.70822	4.93061E-08	2.68E-10	4.96E-08	1.73E-05	3.68E-08	1.73E-05	2.16E-06	1.36E-08	2.18E-06	1.53E-11	4.62E-11	2.67E-11	1.95E-14	4.71E-13	2.6E-14	5.16624E-13	4.957E-08	1.7347E-05	2.18E-06	1.27126E-11	6.86481E-14	7.80957E-12	1.40572E-14
159	571350.6	4178079	0.55, 41780	0.61439	0.51569	184.46358	62.8789	23.05795	12.5762	5.16323E-08	2.72E-10	5.19E-08	1.55E-05	3.32E-08	1.55E-05	1.94E-06	1.22E-08	1.95E-06	1.6E-11	4.84E-11	2.8E-11	2.04E-14	4.93E-13	2.72E-14	5.40914E-13	5.19E-08	1.5535E-05	1.95E-06	1.33103E-11	7.18758E-14	8.17675E-12	1.47182E-14
160	571390.6	4178079	0.55, 41780	0.61879	0.51229	162.6235	50.78632	20.32794	11.67282	5.2002E-08	2.71E-10	5.23E-08	1.37E-05	2.68E-08	1.37E-05	1.71E-06	1.07E-08	1.72E-06	1.61E-11	4.87E-11	2.82E-11	2.06E-14	4.97E-13	2.74E-14	5.44749E-13	5.227E-08	1.3693E-05	1.72E-06	1.34047E-11	7.23853E-14	8.23472E-12	1.48225E-14
161	571430.6	4178079	0.55, 41780	0.60477	0.49855	157.24404	39.05995	19.65551	9.99401	5.08238E-08	2.63E-10	5.11E-08	1.32E-05	2.06E-08	1.32E-05	1.65E-06	1.04E-08	1.66E-06	1.58E-11	4.76E-11	2.76E-11	2.01E-14	4.86E-13	2.68E-14	5.32395E-13	5.109E-08	1.3235E-05	1.66E-06	1.31007E-11	7.07437E-14	8.04797E-12	1.44863E-14
162	571470.6	4178079	0.55, 41780	0.57311	0.47467	152.07991	30.59352	19.00999	9.68796	4.81632E-08	2.51E-10	4.84E-08	1.28E-05	1.62E-08	1.28E-05	1.6E-06	1.00E-08	1.61E-06	1.49E-11	4.51E-11	2.61E-11	1.9E-14	4.6E-13	2.54E-14	5.04536E-13	4.841E-08	1.2797E-05	1.61E-06	1.24152E-11	6.70419E-14	7.62684E-12	1.37283E-14
163	571510.6	4178079	0.55, 41780	0.53465	0.44658	137.55383	33.88214	17.19423	8.95455	4.49311E-08	2.36E-10	4.52E-08	1.16E-05	1.79E-08	1.16E-05	1.44E-06	9.08E-09	1.45E-06	1.39E-11	4.21E-11	2.44E-11	1.78E-14	4.29E-13	2.37E-14	4.70699E-13	4.517E-08	1.1578E-05	1.45E-06	1.15825E-11	6.25456E-14	7.11533E-12	1.28076E-14
164	571550.6	4178079	0.55, 41780	0.48548	0.41212	120.13532	36.07438	15.01691	7.90342	4.07989E-08	2.18E-10	4.1E-08	1.01E-05	1.91E-08	1.01E-05	1.26E-06	7.93E-09	1.27E-06	1.27E-11	3.82E-11	2.21E-11	1.61E-14	3.9E-13	2.15E-14	4.27446E-13	4.102E-08	1.0115E-05	1.27E-06	1.05182E-11	5.67983E-14	6.46151E-12	1.16307E-14
165	571590.6	4178079	0.55, 41780	0.43445	0.37558	108.95419	37.19094	13.61927	6.74143	3.65104E-08	1.98E-10	3.67E-08	9.16E-06	1.96E-08	9.18E-06	1.14E-06	7.19E-09	1.15E-06	1.13E-11	3.42E-11	1.98E-11	1.44E-14	3.49E-13	1.92E-14	3.82554E-13	3.671E-08	9.176E-06	1.15E-06	9.41354E-12	5.08331E-14	5.78289E-12	1.04092E-14
166	570310.6	4178119	0.55, 41781	0.10149	0.07442	69.0748	28.05035	8.63435	4.67506	8.52904E-09	3.93E-11	8.57E-09	5.8E-06	1.48E-08	5.82E-06	7.26E-07	4.56E-09	7.3E-07	2.64E-12	7.98E-12	4.62E-12	3.37E-15	8.14E-14	4.49E-15	8.92934E-14	8.568E-09	5.8197E-06	7.3E-07	2.19725E-12	1.18652E-14	1.34981E-12	2.42965E-15
167	570350.6	4178119	0.55, 41781	0.11138	0.08273	79.07973	29.62524	9.88497	4.93754	9.36018E-09	4.37E-11	9.4E-09	6.65E-06	1.56E-08	6.66E-06	8.31E-07	5.22E-09	8.36E-07	2.9E-12	8.76E-12	5.07E-12	3.7E-15	8.94E-14	4.93E-15	9.80007E-14	9.404E-09	6.6614E-06	8.36E-07	2.41151E-12	1.30222E-14	1.48143E-12	2.66658E-15
168	570390.6	4178119	0.55, 41781	0.12249	0.09237	81.81771	30.97041	10.22721	5.16174	1.02938E-08	4.88E-11	1.03E-08	6.88E-06	1.64E-08	6.89E-06	8.59E-07	5.40E-09	8.65E-07	3.19E-12	9.64E-12	5.58E-12	4.07E-15	9.83E-14	5.42E-15	1.07784E-13	1.034E-08	6.8922E-06	8.65E-07	2.65225E-12	1.43221E-14	1.62932E-12	2.93277E-15
169	570430.6	4178119	0.55, 41781	0.13492	0.10362	81.48606	32.23138	10.18576	5.3719	1.13384E-08	5.47E-11	1.14E-08	6.85E-06	1.70E-08	6.86E-06	8.56E-07	5.38E-09	8.61E-07	3.52E-12	1.06E-11	6.15E-12	4.48E-15	1.08E-13	5.97E-15	1.18732E-13	1.139E-08	6.865E-06	8.61E-07	2.92164E-12	1.57769E-14	1.79481E-12	3.23066E-15
170	570470.6	4178119	0.55, 41781	0.14882	0.11683	90.82614	33.6686	11.35327	5.5932	1.25066E-08	6.17E-11	1.26E-08	7.63E-06	1.78E-08	7.65E-06	9.54E-07	6.00E-09	9.6E-07	3.88E-12	1.17E-11	6.78E-12	4.94E-15	1.19E-13	6.59E-15	1.30978E-13	1.257E-08	7.6507E-06	9.6E-07	3.22299E-12	1.74041E-14	1.97993E-12	3.56388E-15
171	570510.6	4178119	0.55, 41781	0.16361	0.13228	92.34034	35.20886	11.54254	5.82093	1.37495E-08	6.99E-11	1.38E-08	7.76E-06	1.86E-08	7.78E-06	9.7E-07	6.10E-09	9.76E-07	4.26E-12	1.29E-11	7.45E-12	5.44E-15	1.31E-13	7.25E-15	1.44016E-13	1.382E-08	7.7787E-06	9.76E-07	3.54381E-12	1.91366E-14	2.17702E-12	3.91864E-15
172	570550.6	4178119	0.55, 41781	0.17911	0.1505	100.11195	36.92243	12.51399	6.33987	1.50521E-08	7.95E-11	1.51E-08	8.41E-06	1.95E-08	8.43E-06	1.05E-06	6.61E-09	1.06E-06	4.67E-12	1.41E-11	8.16E-12	5.95E-15	1.44E-13	7.93E-15	1.57691E-13	1.513E-08	8.4327E-06	1.06E-06	3.88032E-12	2.09537E-14	2.38374E-12	4.29073E-15
173	570590.6	4178119	0.55, 41781	0.19374	0.17125	103.74737	38.76233	12.96842	6.89651	1.62816E-08	9.04E-11	1.64E-08	8.72E-06	2.05E-08	8.74E-06	1.09E-06	6.85E-09	1.1E-06	5.05E-12	1.53E-11	8.83E-12	6.44E-15	1.56E-13	8.58E-15	1.70618E-13	1.637E-08	8.7392E-06	1.1E-06	4.19841E-12	2.26714E-14	2.57915E-12	4.64247E-15
174	570630.6	4178119	0.55, 41781	0.2069	0.19483	104.63966	41.01094	13.84797	7.49161	1.73875E-08	1.03E-10	1.75E-08	8.79E-06	2.17E-08	8.82E-06	1.16E-06	7.31E-09	1.17E-06	5.4E-12	1.63E-11	9.43E-12	6.88E-15	1.66E-13	9.17E-15	1.82273E-13	1.749E-08	8.8154E-06	1.17E-06	4.48521E-12	2.42201E-14	2.75534E-12	4.95961E-15
175	570670.6	4178119	0.55, 41781	0.21998	0.22122	115.58367	43.51142	15.0671	8.60459	1.84867E-08	1.17E-10	1.86E-08	9.71E-06	2.30E-08	9.74E-06	1.27E-06	7.96E-09	1.27E-06	5.74E-12	1.73E-11	1E-11	7.32E-15	1.77E-13	9.75E-15	1.93874E-13	1.86E-08	9.7364E-06	1.27E-06	4.77067E-12	2.57616E-14	2.9307E-12	5.27526E-15
176	570710.6	4178119	0.55, 41781	0.23703	0.25104	127.12041	45.98226	16.41254	9.96819	1.99196E-08	1.33E-10	2.01E-08	1.07E-05	2.43E-08	1.07E-05	1.38E-06	8.67E-09	1.39E-06	6.19E-12	1.87E-11	1.08E-11	7.89E-15	1.91E-13	1.05E-14	2.0897E-13	2.005E-08	1.0707E-05	1.39E-06	5.14214E-12	2.77676E-14	3.1589E-12	5.68602E-15
177	570750.6	4178119	0.55, 41781	0.26187	0.28441	163.41699	49.64069	20.42712	11.18287	2.20071E-08	1.50E-10	2.22E-08	1.37E-05	2.62E-08	1.38E-05	1.72E-06	1.08E-08	1.73E-06	6.84E-12	2.06E-11	1.2E-11	8.72E-15	2.11E-13	1.16E-14	2.30908E-13	2.216E-08	1.3759E-05	1.73E-06	5.68198E-12	3.06827E-14	3.49053E-12	6.28296E-15
178	570790.6	4178119	0.55, 41781	0.29707	0.32177	189.30326	59.79186	23.66291	12.3939	2.49652E-08	1.70E-10	2.51E-08	1.59E-05	3.16E-08	1.59E-05	1.99E-06	1.25E-08	2E-06	7.76E-12	2.34E-11	1.36E-11	9.89E-15	2.39E-13	1.32E-14	2.61942E-13	2.514E-08	1.594E-05	2E-06	6.44562E-12	3.48064E-14	3.95965E-12	7.12737E-15
179	570830.6	4178119	0.55, 41781	0.34574	0.3643	193.11502	64.55328	24.13938	13.76558	2.90554E-08	1.92E-10	2.92E-08	1.62E-05	3.41E-08	1.63E-05	2.03E-06	1.27E-08	2.04E-06	9.03E-12	2.73E-11	1.58E-11	1.15E-14	2.78E-13	1.53E-14	3.048E-13	2.925E-08	1.6263E-05	2.04E-06	7.50025E-12	4.05014E-14	4.60753E-12	8.29355E-15
180	570870.6	4178119	0.55, 41781	0.41228	0.41342	202.8381	69.60981	25.35476	15.49628	3.46473E-08	2.18E-10	3.49E-08	1.7E-05	3.68E-08	1.71E-05	2.13E-06	1.34E-08	2.14E-06	1.08E-11	3.25E-11	1.88E-11	1.37E-14	3.31E-13	1.83E-14	3.63346E-13	3.487E-08	1.7083E-05	2.14E-06	8.94088E-12	4.82808E-14	5.49253E-12	9.88655E-15
181	570910.6	4178119	0.55, 41781	0.49003	0.46844	224.50761	75.3478	28.06345	17.99511	4.11813E-08	2.47E-10	4.14E-08	1.89E-05	3.98E-08	1.89E-05	2.36E-06	1.48E-08	2.37E-06	1.28E-11	3.86E-11	2.23E-11	1.63E-14	3.94E-13	2.17E-14	4.31741E-13	4.143E-08	1.8907E-05	2.37E-06	1.06239E-11	5.7369E-14	6.52643E-12	1.17476E-14
182	570950.6	4178119	0.55, 41781	0.55455	0.52056	237.44511	82.6149	31.19836	20.61697	4.66034E-08	2.75E-10	4.69E-08	2E-05	4.36E-08	2E-05	2.62E-06	1.65E-08	2.64E-06	1.45E-11	4.37E-11	2.53E-11	1.84E-14	4.46E-13	2.46E-14	4.88534E-13	4.688E-08	1.9998E-05	2.64E-06	1.20214E-11	6.49156E-14	7.38494E-12	1.32929E-14
183	570990.6	4178119	0.55, 41781	0.59019	0.56679	260.70129	98.30209	39.14578	18.7176	4.95985E-08	2.99E-10	4.99E-08	2.19E-05	5.19E-08	2.2E-05	3.29E-06	2.07E-08	3.31E-06	1.54E-11	4.65E-11	2.69E-11	1.96E-14	4.74E-13	2.62E-14	5.20002E-13	4.99E-08	2.1961E-05	3.31E-06	1.27957E-11	6.90969E-14	7.86062E-12	1.41491E-14
184	571030.6	4178119	0.55, 41781	0.58003	0.59593	288.08817	110.38847	43.41155	19.84321	4.87447E-08	3.15E-10	4.91E-08	2.42E-05	5.83E-08	2.43E-05	3.65E-06	2.29E-08	3.67E-06	1.51E-11	4.57E-11	2.65E-11	1.93E-14	4.66E-13	2.57E-14	5.11264E-13	4.906E-08	2.4269E-05	3.67E-06	1.25807E-11	6.79359E-14	7.72854E-12	1.39114E-14
185	571070.6	4178119	0.55, 41781	0.56003	0.61401	281.59163	124.26135	39.26934	23.95732	4.7064E-08	3.24E-10	4.74E-08	2.37E-05	6.56E-08	2.37E-05	3.3E-06	2.07E-08	3.32E-06	1.46E-11	4.42E-11	2.56E-11	1.86E-14	4.5E-13	2.48E-14	4.93848E-13	4.739E-08	2.373E-05	3.32E-06	1.21522E-11	6.56216E-14	7.46527E-12	1.34375E-14
186	571110.6	4178119	0.55, 41781	0.57497	0.62965	279.23237	138.16088	41.39356	27.39628	4.83195E-08	3.33E-10	4.87E-08	2.35E-05	7.30E-08	2.35E-05	3.48E-06	2.19E-08	3.5E-06	1.5E-11	4.53E-11	2.62E-11	1.91E-14	4.62E-13	2.55E-14	5.07018E-13	4.865E-08	2.3539E-05	3.5E-06	1.24762E-11	6.73717E-14	7.66436E-12	1.37958E-14
187	571150.6	4178119	0.55, 41781	0.64473	0.65929	273.06399	137.55558	37.77228	27.34359	5.4182E-08	3.48E-10	5.45E-08	2.29E-05	7.26E-08	2.3E-05	3.17E-06	1.99E-08	3.19E-06	1.68E-11	5.08E-11	2.94E-11	2.15E-14	5.18E-13	2.86E-14	5.68276E-13	5.453E-08	2.302E-05	3.19E-06	1.39836E-11	7.55116E-14	8.59037E-12	1.54627E-14
188	571190.6	4178119	0.55, 41781	0.76806	0.70549	260.36357	120.74038	32.90288	24.49294	6.45464E-08	3.73E-10	6.49E-08	2.19E-05	6.38E-08	2.19E-05	2.77E-06	1.74E-08	2.78E-06	2E-11	6.05E-11	3.5E-11	2.55E-14	6.17E-13	3.4E-14	6.76542E-13	6.492E-08	2.1944E-05	2.78E-06	1.66477E-11	8.98977E-14	1.0227E-11	1.84085E-14
189	571230.6	4178119	0.55, 41781	0.88147	0.74364	250.38438	100.21062	31.29805	22.32262	7.40772E-08	3.93E-10	7.45E-08	2.1E-05	5.29E-08	2.11E-05	2.63E-06	1.65E-08	2.65E-06	2.3E-11	6.94E-11	4.02E-11	2.93E-14	7.08E-13	3.9E-14	7.76075E-13	7.447E-08	2.1095E-05	2.65E-06	1.90969E-11	1.03123E-13	1.17316E-11	2.11168E-14
190	571270.6	4178119	0.55, 41781	0.94057	0.75526	235.31349	80.57107	29.41419	18.81416	7.90439E-08	3.99E-10	7.94E-08	1.98E-05	4.25E-08	1.98E-05	2.47E-06	1.55E-08	2.49E-06	2.45E-11	7.4E-11	4.28E-11	3.13E-14	7.55E-13	4.16E-14	8.27898E-13	7.944E-08	1.9818E-05	2.49E-06	2.03722E-11	1.1001E-13	1.25149E-11	2.25269E-14
191	571310.6	4178119	0.55, 41781	0.94266	0.74202	211.76846	71.48368	26.47106	15.9259	7.92195E-08	3.92E-10	7.96E-08	1.78E-05	3.77E-08	1.78E-05	2.22E-06	1.40E-08	2.24E-06	2.46E-11	7.42E-11	4.29E-11	3.13E-14	7.57E-13	4.17E-14	8.29655E-13	7.961E-08	1.7834E-05	2.24E-06	2.04154E-11	1.10243E-13	1.25415E-11	2.25747E-14
192	571350.6	4178119	0.55, 41781	0.90909	0.71255	184.59351	57.17412	23.07419	14.42847	7.63983E-08	3.76E-10	7.68E-08	1.55E-05	3.02E-08	1.55E-05	1.94E-06	1.22E-08	1.95E-06	2.37E-11	7.15E-11	4.14E-11	3.02E-14	7.3E-13	4.03E-14	8.00093E-13	7.677E-08	1.5543E-05	1.95E-06	1.9688E-11	1.06315E-13	1.20946E-11	2.17703E-14
193	571390.6	4178119	0.55, 41781	0.85308	0.67145	182.88204	42.90716	22.86025	12.27464	7.16914E-08	3.55E-10	7.2E-08	1.54E-05	2.27E-08	1.54E-05	1.92E-06	1.21E-08	1.93E-06	2.22E-11	6.71E-11	3.89E-11	2.83E-14	6.85E-13	3.78E-14	7.50814E-13	7.205E-08	1.5392E-05	1.93E-06	1.84753E-11	9.97669E-14	1.13497E-11	2.04295E-14
194	571430.6	4178119	0.55, 41781	0.78	0.62166	169.0522	41.64549	21.13153	11.39175	6.55498E-08	3.28E-10	6.59E-08	1.42E-05	2.20E-08	1.42E-05	1.78E-06	1.12E-08	1.79E-06	2.03E-11	6.14E-11	3.55E-11	2.59E-14	6.26E-13	3.45E-14	6.86537E-13	6.588E-08	1.4229E-05	1.79E-06	1.68937E-11	9.12259E-14	1.03781E-11	1.86805E-14
195	571470.6	4178119	0.55, 41781	0.69763	0.567	144.82238	43.55007	18.1028	10.0864	5.86276E-08	2.99E-10	5.89E-08	1.22E-05	2.30E-08	1.22E-05	1.52E-06	9.56E-09	1.53E-06	1.82E-11	5.49E-11	3.18E-11	2.32E-14	5.6E-13	3.09E-14	6.14098E-13	5.893E-08	1.2194E-05	1.53E-06	1.51112E-11	8.16002E-14	9.28303E-12	1.67094E-14
196	571510.6	4178119	0.55, 41781	0.61632	0.51188	129.07456	44.20691	16.93315	8.5721	5.17945E-08	2.70E-10	5.21E-08	1.08E-05	2.33E-08	1.09E-05	1.42E-06	8.94E-09	1.43E-06	1.61E-11	4.85E-11	2.81E-11	2.05E-14	4.95E-13	2.73E-14	5.42584E-13	5.206E-08	1.0871E-05	1.43E-06	1.33514E-11	7.20976E-14	8.20199E-12	1.47636E-14
197	571550.6	4178119	0.55, 41781	0.53701	0.45659	116.13448	43.6354	16.99831	7.6971	4.51294E-08	2.41E-10	4.54E-08	9.76E-06	2.30E-08	9.78E-06	1.43E-06	8.98E-09	1.44E-06	1.4E-11	4.23E-11	2.45E-11	1.79E-14	4.31E-13	2.38E-14	4.72821E-13	4.537E-08	9.7828E-06	1.44E-06	1.16347E-11	6.28276E-14	7.14741E-12	1.28653E-14
198	571590.6	4178119	0.55, 41781	0.46599	0.40463	103.06511	42.01095	16.60125	6.75955	3.9161E-08	2.14E-10	3.94E-08	8.66E-06	2.22E-08	8.68E-06	1.4E-06	8.77E-09	1.4E-06	1.22E-11	3.67E-11	2.12E-11	1.55E-14	3.74E-13	2.06E-14	4.10336E-13	3.937E-08	8.6836E-06	1.4E-06	1.00972E-11	5.45248E-14	6.20286E-12	1.11651E-14
199	570310.6	4178159	0.55, 41781	0.10452	0.07557	83.14681	27.07322	10.39335	4.47805	8.78368E-09	3.99E-11	8.82E-09	6.99E-06	1.43E-08	7E-06	8.73E-07	5.49E-09	8.79E-07	2.72E-12	8.22E-12	4.76E-12	3.47E-15	8.39E-14	4.63E-15	9.19534E-14	8.824E-09	7.0018E-06	8.79E-07	2.26271E-12	1.22186E-14	1.39002E-12	2.50203E-15
200	570350.6	4178159	0.55, 41781	0.1156	0.08446	83.51332	29.37807	10.43917	4.89635	9.71482E-09	4.46E-11	9.76E-09	7.02E-06	1.55E-08	7.03E-06	8.77E-07	5.51E-09	8.83E-07	3.01E-12	9.09E-12	5.26E-12	3.84E-15	9.27E-14	5.12E-15	1.01706E-13	9.759E-09	7.0338E-06	8.83E-07	2.50269E-12	1.35145E-14	1.53744E-12	2.7674E-15
201	570390.6	4178159	0.55, 41781	0.12828	0.09489	85.72091	31.44775	10.71511	5.24129	1.07804E-08	5.01E-11	1.08E-08	7.2E-06	1.66E-08	7.22E-06	9E-07	5.66E-09	9.06E-07	3.34E-12	1.01E-11	5.84E-12	4.26E-15	1.03E-13	5.68E-15	1.12869E-13	1.083E-08	7.2204E-06	9.06E-07	2.77737E-12	1.49978E-14	1.70618E-12	3.07113E-15
202	570430.6	4178159	0.55, 41781	0.14269	0.1072	94.53138	33.159	11.81642	5.5265	1.19914E-08	5.66E-11	1.2E-08	7.94E-06	1.75E-08	7.96E-06	9.93E-07	6.24E-09	9.99E-07	3.72E-12	1.12E-11	6.5E-12	4.74E-15	1.14E-13	6.32E-15	1.25556E-13	1.205E-08	7.9618E-06	9.99E-07	3.08958E-12	1.66837E-14	1.89798E-12	3.41636E-15
203	570470.6	4178159	0.55, 41781	0.15906	0.12183	91.68652	34.69147	11.46082	5.78191	1.33671E-08	6.43E-11	1.34E-08	7.71E-06	1.83E-08	7.72E-06	9.63E-07	6.05E-09	9.69E-07	4.14E-12	1.25E-11	7.24E-12	5.28E-15	1.28E-13	7.04E-15	1.39974E-13	1.343E-08	7.7235E-06	9.69E-07	3.44434E-12	1.85994E-14	2.11592E-12	3.80865E-15
204	570510.6	4178159	0.55, 41781	0.17738	0.13933	103.8828	36.49731	12.98535	6.04456	1.49067E-08	7.36E-11	1.5E-08	8.73E-06	1.93E-08	8.75E-06	1.09E-06	6.86E-09	1.1E-06	4.62E-12	1.4E-11	8.08E-12	5.89E-15	1.42E-13	7.85E-15	1.56114E-13	1.498E-08	8.7494E-06	1.1E-06	3.84152E-12	2.07442E-14	2.35991E-12	4.24783E-15
205	570550.6	4178159	0.55, 41781	0.19733	0.16029	106.21161	38.46337	13.27645	6.62676	1.65833E-08	8.46E-11	1.67E-08	8.93E-06	2.03E-08	8.95E-06	1.12E-06	7.01E-09	1.12E-06	5.14E-12	1.55E-11	8.99E-12	6.56E-15	1.58E-13	8.74E-15	1.73702E-13	1.667E-08	8.9462E-06	1.12E-06	4.27429E-12	2.30812E-14	2.62577E-12	4.72638E-15
206	570590.6	4178159	0.55, 41781	0.21794	0.18524	115.65264	40.48441	14.45658	7.37316	1.83153E-08	9.78E-11	1.84E-08	9.72E-06	2.14E-08	9.74E-06	1.21E-06	7.63E-09	1.22E-06	5.68E-12	1.72E-11	9.93E-12	7.24E-15	1.75E-13	9.65E-15	1.91889E-13	1.841E-08	9.7406E-06	1.22E-06	4.72183E-12	2.54979E-14	2.9007E-12	5.22126E-15
207	570630.6	4178159	0.55, 41781	0.23707	0.21436	118.44365	42.79741	14.80546	8.08317	1.9923E-08	1.13E-10	2E-08	9.95E-06	2.26E-08	9.98E-06	1.24E-06	7.82E-09	1.25E-06	6.18E-12	1.87E-11	1.08E-11	7.88E-15	1.9E-13	1.05E-14	2.08803E-13	2.004E-08	9.9764E-06	1.25E-06	5.13804E-12	2.77454E-14	3.15638E-12	5.68148E-15
208	570670.6	4178159	0.55, 41781	0.25383	0.24795	124.95922	45.84094	15.6199	8.90031	2.13314E-08	1.31E-10	2.15E-08	1.05E-05	2.42E-08	1.05E-05	1.31E-06	8.25E-09	1.32E-06	6.62E-12	2E-11	1.16E-11	8.44E-15	2.04E-13	1.13E-14	2.23666E-13	2.146E-08	1.0526E-05	1.32E-06	5.50378E-12	2.97204E-14	3.38106E-12	6.08591E-15
209	570710.6	4178159	0.55, 41781	0.27135	0.28697	131.25248	49.29697	17.47805	10.6966	2.28038E-08	1.52E-10	2.3E-08	1.1E-05	2.60E-08	1.11E-05	1.47E-06	9.23E-09	1.48E-06	7.08E-12	2.14E-11	1.24E-11	9.03E-15	2.18E-13	1.2E-14	2.39225E-13	2.296E-08	1.1056E-05	1.48E-06	5.88663E-12	3.17878E-14	3.61625E-12	6.50925E-15
210	570750.6	4178159	0.55, 41781	0.29528	0.33222	146.48828	52.90094	21.86848	12.23914	2.48148E-08	1.75E-10	2.5E-08	1.23E-05	2.79E-08	1.23E-05	1.84E-06	1.15E-08	1.85E-06	7.71E-12	2.33E-11	1.35E-11	9.83E-15	2.37E-13	1.31E-14	2.60431E-13	2.499E-08	1.2339E-05	1.85E-06	6.40846E-12	3.46057E-14	3.93682E-12	7.08628E-15
211	570790.6	4178159	0.55, 41781	0.33253	0.38536	168.4296	63.37031	22.18934	13.75991	2.79452E-08	2.04E-10	2.81E-08	1.42E-05	3.35E-08	1.42E-05	1.86E-06	1.17E-08	1.88E-06	8.69E-12	2.62E-11	1.52E-11	1.11E-14	2.68E-13	1.48E-14	2.93347E-13	2.815E-08	1.4188E-05	1.88E-06	7.21842E-12	3.89795E-14	4.43439E-12	7.98191E-15
212	570830.6	4178159	0.55, 41781	0.39122	0.44987	226.40986	70.88867	28.30123	15.58224	3.28775E-08	2.38E-10	3.31E-08	1.9E-05	3.74E-08	1.91E-05	2.38E-06	1.49E-08	2.39E-06	1.02E-11	3.09E-11	1.79E-11	1.3E-14	3.15E-13	1.74E-14	3.45102E-13	3.312E-08	1.9065E-05	2.39E-06	8.49196E-12	4.58566E-14	5.21675E-12	9.39015E-15
213	570870.6	4178159	0.55, 41781	0.48272	0.53035	262.06298	76.1106	32.75787	17.58972	4.0567E-08	2.80E-10	4.08E-08	2.2E-05	4.02E-08	2.21E-05	2.75E-06	1.73E-08	2.77E-06	1.26E-11	3.81E-11	2.2E-11	1.61E-14	3.88E-13	2.14E-14	4.2568E-13	4.085E-08	2.2064E-05	2.77E-06	1.04747E-11	5.65636E-14	6.43481E-12	1.15826E-14
214	570910.6	4178159	0.55, 41781	0.61652	0.63133	261.24493	84.17228	32.65562	20.33398	5.18113E-08	3.33E-10	5.21E-08	2.2E-05	4.45E-08	2.2E-05	2.74E-06	1.72E-08	2.76E-06	1.61E-11	4.86E-11	2.81E-11	2.05E-14	4.96E-13	2.73E-14	5.43416E-13	5.214E-08	2.1999E-05	2.76E-06	1.33719E-11	7.22082E-14	8.21457E-12	1.47862E-14
215	570950.6	4178159	0.55, 41781	0.78722	0.75662	286.12528	93.97029	38.09436	25.30252	6.61566E-08	4.00E-10	6.66E-08	2.4E-05	4.96E-08	2.41E-05	3.2E-06	2.01E-08	3.22E-06	2.05E-11	6.2E-11	3.59E-11	2.62E-14	6.33E-13	3.49E-14	6.93603E-13	6.656E-08	2.4095E-05	3.22E-06	1.70676E-11	9.21648E-14	1.04849E-11	1.88728E-14
216	570990.6	4178159	0.55, 41781	0.95557	0.89576	303.7283	113.02353	49.39935	30.83627	8.03044E-08	4.73E-10	8.08E-08	2.55E-05	5.97E-08	2.56E-05	4.15E-06	2.61E-08	4.18E-06	2.49E-11	7.53E-11	4.36E-11	3.18E-14	7.68E-13	4.23E-14	8.41808E-13	8.078E-08	2.5584E-05	4.18E-06	2.07144E-11	1.11858E-13	1.27252E-11	2.29054E-14
217	571030.6	4178159	0.55, 41781	1.0701	1.00768	365.27865	135.92516	63.89384	29.33742	8.99293E-08	5.32E-10	9.05E-08	3.07E-05	7.18E-08	3.08E-05	5.37E-06	3.37E-08	5.4E-06	2.79E-11	8.43E-11	4.88E-11	3.56E-14	8.6E-13	4.74E-14	9.42728E-13	9.046E-08	3.0769E-05	5.4E-06	2.31978E-11	1.25268E-13	1.42508E-11	2.56514E-14
218	571070.6	4178159	0.55, 41781	1.06935	1.07923	382.13438	155.20031	54.74849	37.25068	8.98663E-08	5.70E-10	9.04E-08	3.21E-05	8.20E-08	3.22E-05	4.6E-06	2.89E-08	4.63E-06	2.79E-11	8.43E-11	4.88E-11	3.56E-14	8.59E-13	4.74E-14	9.42465E-13	9.044E-08	3.2196E-05	4.63E-06	2.31913E-11	1.25233E-13	1.42468E-11	2.56443E-14
219	571110.6	4178159	0.55, 41781	1.19831	1.16386	373.85472	174.62021	53.40782	39.37776	1.00704E-07	6.15E-10	1.01E-07	3.14E-05	9.22E-08	3.15E-05	4.49E-06	2.82E-08	4.52E-06	3.13E-11	9.44E-11	5.46E-11	3.99E-14	9.63E-13	5.31E-14	1.05587E-12	1.013E-07	3.151E-05	4.52E-06	2.5982E-11	1.40303E-13	1.59611E-11	2.873E-14
220	571150.6	4178159	0.55, 41781	1.53671	1.26322	331.2731	149.81574	50.26616	34.67292	1.29142E-07	6.67E-10	1.3E-07	2.78E-05	7.91E-08	2.79E-05	4.22E-06	2.65E-08	4.25E-06	4.01E-11	1.21E-10	7E-11	5.11E-14	1.23E-12	6.81E-14	1.35279E-12	1.298E-07	2.7919E-05	4.25E-06	3.32881E-11	1.79756E-13	2.04494E-11	3.6809E-14
221	571190.6	4178159	0.55, 41781	1.71324	1.27647	303.51531	125.05743	43.45807	29.97586	1.43978E-07	6.74E-10	1.45E-07	2.55E-05	6.60E-08	2.56E-05	3.65E-06	2.29E-08	3.68E-06	4.46E-11	1.35E-10	7.8E-11	5.69E-14	1.37E-12	7.58E-14	1.50746E-12	1.447E-07	2.5573E-05	3.68E-06	3.70943E-11	2.00309E-13	2.27876E-11	4.10177E-14
222	571230.6	4178159	0.55, 41781	1.67997	1.21931	277.00255	96.22407	36.53844	24.95569	1.41182E-07	6.44E-10	1.42E-07	2.33E-05	5.08E-08	2.33E-05	3.07E-06	1.93E-08	3.09E-06	4.38E-11	1.32E-10	7.65E-11	5.58E-14	1.35E-12	7.44E-14	1.47801E-12	1.418E-07	2.333E-05	3.09E-06	3.63695E-11	1.96396E-13	2.23424E-11	4.02163E-14
223	571270.6	4178159	0.55, 41781	1.56347	1.13234	251.98402	83.18585	31.498	20.71301	1.31391E-07	5.98E-10	1.32E-07	2.12E-05	4.39E-08	2.12E-05	2.65E-06	1.66E-08	2.66E-06	4.07E-11	1.23E-10	7.12E-11	5.19E-14	1.25E-12	6.92E-14	1.3755E-12	1.32E-07	2.122E-05	2.66E-06	3.38471E-11	1.82774E-13	2.07928E-11	3.74271E-14
224	571310.6	4178159	0.55, 41781	1.42012	1.03692	223.09845	65.85457	27.88731	18.21453	1.19344E-07	5.48E-10	1.2E-07	1.87E-05	3.48E-08	1.88E-05	2.34E-06	1.47E-08	2.36E-06	3.7E-11	1.12E-10	6.47E-11	4.72E-14	1.14E-12	6.29E-14	1.24943E-12	1.199E-07	1.8784E-05	2.36E-06	3.07449E-11	1.66023E-13	1.88871E-11	3.39968E-14
225	571350.6	4178159	0.55, 41781	1.26306	0.93714	212.7442	53.05659	26.59303	15.01468	1.06145E-07	4.95E-10	1.07E-07	1.79E-05	2.80E-08	1.79E-05	2.23E-06	1.40E-08	2.25E-06	3.29E-11	9.94E-11	5.75E-11	4.2E-14	1.01E-12	5.59E-14	1.11133E-12	1.066E-07	1.7907E-05	2.25E-06	2.73467E-11	1.47672E-13	1.67995E-11	3.02391E-14
226	571390.6	4178159	0.55, 41781	1.10199	0.83709	185.92823	54.01949	23.24103	13.29114	9.26093E-08	4.42E-10	9.31E-08	1.56E-05	2.85E-08	1.57E-05	1.95E-06	1.23E-08	1.97E-06	2.87E-11	8.67E-11	5.02E-11	3.66E-14	8.84E-13	4.88E-14	9.69718E-13	9.305E-08	1.5654E-05	1.97E-06	2.38619E-11	1.28855E-13	1.46588E-11	2.63858E-14
227	571430.6	4178159	0.55, 41781	0.9418	0.73869	159.26436	53.60229	21.61583	11.2268	7.91472E-08	3.90E-10	7.95E-08	1.34E-05	2.83E-08	1.34E-05	1.82E-06	1.14E-08	1.83E-06	2.45E-11	7.41E-11	4.29E-11	3.13E-14	7.56E-13	4.17E-14	8.28884E-13	7.954E-08	1.3413E-05	1.83E-06	2.03964E-11	1.10141E-13	1.25299E-11	2.25537E-14
228	571470.6	4178159	0.55, 41781	0.79447	0.64516	139.92539	51.85557	21.06215	9.90602	6.67659E-08	3.41E-10	6.71E-08	1.18E-05	2.74E-08	1.18E-05	1.77E-06	1.11E-08	1.78E-06	2.07E-11	6.25E-11	3.62E-11	2.64E-14	6.38E-13	3.52E-14	6.99339E-13	6.711E-08	1.1786E-05	1.78E-06	1.72087E-11	9.2927E-14	1.05716E-11	1.90289E-14
229	571510.6	4178159	0.55, 41781	0.67282	0.56206	120.25585	49.92459	19.96311	8.50885	5.65426E-08	2.97E-10	5.68E-08	1.01E-05	2.64E-08	1.01E-05	1.68E-06	1.05E-08	1.69E-06	1.75E-11	5.3E-11	3.07E-11	2.24E-14	5.4E-13	2.98E-14	5.92342E-13	5.684E-08	1.0132E-05	1.69E-06	1.45758E-11	7.87094E-14	8.95416E-12	1.61175E-14
230	571550.6	4178159	0.55, 41781	0.57423	0.48972	110.64777	47.57404	18.4413	7.31081	4.82573E-08	2.59E-10	4.85E-08	9.3E-06	2.51E-08	9.32E-06	1.55E-06	9.74E-09	1.56E-06	1.5E-11	4.52E-11	2.62E-11	1.91E-14	4.61E-13	2.54E-14	5.056E-13	4.852E-08	9.3238E-06	1.56E-06	1.24413E-11	6.71832E-14	7.64292E-12	1.37573E-14
231	571590.6	4178159	0.55, 41781	0.49292	0.42713	100.4908	44.5532	16.74847	6.44552	4.14241E-08	2.26E-10	4.16E-08	8.45E-06	2.35E-08	8.47E-06	1.41E-06	8.84E-09	1.42E-06	1.29E-11	3.88E-11	2.25E-11	1.64E-14	3.96E-13	2.18E-14	4.34045E-13	4.165E-08	8.4686E-06	1.42E-06	1.06806E-11	5.76751E-14	6.56126E-12	1.18103E-14
232	570310.6	4178199	0.55, 41781	0.10691	0.07648	81.28791	24.55019	10.16099	3.94128	8.98453E-09	4.04E-11	9.02E-09	6.83E-06	1.30E-08	6.84E-06	8.54E-07	5.37E-09	8.59E-07	2.78E-12	8.41E-12	4.87E-12	3.55E-15	8.58E-14	4.73E-15	9.40516E-14	9.025E-09	6.8443E-06	8.59E-07	2.31434E-12	1.24974E-14	1.42173E-12	2.55912E-15
233	570350.6	4178199	0.55, 41781	0.11881	0.08587	92.41038	27.80697	11.5513	4.55912	9.98459E-09	4.53E-11	1E-08	7.77E-06	1.47E-08	7.78E-06	9.71E-07	6.10E-09	9.77E-07	3.1E-12	9.35E-12	5.41E-12	3.95E-15	9.53E-14	5.26E-15	1.04525E-13	1.003E-08	7.7807E-06	9.77E-07	2.57206E-12	1.38891E-14	1.58006E-12	2.8441E-15
234	570390.6	4178199	0.55, 41781	0.13286	0.09703	98.9418	30.67703	12.36772	5.11284	1.11653E-08	5.12E-11	1.12E-08	8.31E-06	1.62E-08	8.33E-06	1.04E-06	6.53E-09	1.05E-06	3.46E-12	1.05E-11	6.05E-12	4.41E-15	1.07E-13	5.88E-15	1.16891E-13	1.122E-08	8.3311E-06	1.05E-06	2.87636E-12	1.55323E-14	1.76699E-12	3.18059E-15
235	570430.6	4178199	0.55, 41781	0.14935	0.11037	98.24021	33.47488	12.28003	5.57915	1.25511E-08	5.83E-11	1.26E-08	8.26E-06	1.77E-08	8.27E-06	1.03E-06	6.48E-09	1.04E-06	3.89E-12	1.17E-11	6.8E-12	4.96E-15	1.2E-13	6.61E-15	1.31407E-13	1.261E-08	8.2736E-06	1.04E-06	3.23353E-12	1.74611E-14	1.98641E-12	3.57554E-15
236	570470.6	4178199	0.55, 41781	0.1686	0.12646	107.25905	35.76824	13.40738	5.96137	1.41689E-08	6.68E-11	1.42E-08	9.01E-06	1.89E-08	9.03E-06	1.13E-06	7.08E-09	1.13E-06	4.39E-12	1.33E-11	7.68E-12	5.6E-15	1.35E-13	7.46E-15	1.48354E-13	1.424E-08	9.0328E-06	1.13E-06	3.65056E-12	1.9713E-14	2.2426E-12	4.03668E-15
237	570510.6	4178199	0.55, 41781	0.19081	0.14598	111.923	37.71142	13.99038	6.28524	1.60353E-08	7.71E-11	1.61E-08	9.41E-06	1.99E-08	9.43E-06	1.18E-06	7.39E-09	1.18E-06	4.97E-12	1.5E-11	8.69E-12	6.34E-15	1.53E-13	8.45E-15	1.67913E-13	1.611E-08	9.4257E-06	1.18E-06	4.13185E-12	2.2312E-14	2.53826E-12	4.56887E-15
238	570550.6	4178199	0.55, 41781	0.21602	0.16987	119.57772	40.00549	14.94721	6.67621	1.81539E-08	8.97E-11	1.82E-08	1E-05	2.11E-08	1.01E-05	1.26E-06	7.89E-09	1.26E-06	5.63E-12	1.7E-11	9.84E-12	7.18E-15	1.73E-13	9.56E-15	1.90123E-13	1.824E-08	1.007E-05	1.26E-06	4.67837E-12	2.52632E-14	2.874E-12	5.1732E-15
239	570590.6	4178199	0.55, 41781	0.24388	0.19917	124.08345	42.52786	15.51043	7.78928	2.04953E-08	1.05E-10	2.06E-08	1.04E-05	2.25E-08	1.05E-05	1.3E-06	8.19E-09	1.31E-06	6.36E-12	1.92E-11	1.11E-11	8.11E-15	1.96E-13	1.08E-14	2.14684E-13	2.06E-08	1.045E-05	1.31E-06	5.28274E-12	2.85268E-14	3.24527E-12	5.84149E-15
240	570630.6	4178199	0.55, 41781	0.27242	0.23473	135.79301	45.13025	16.97413	8.73982	2.28937E-08	1.24E-10	2.3E-08	1.14E-05	2.38E-08	1.14E-05	1.43E-06	8.96E-09	1.44E-06	7.1E-12	2.14E-11	1.24E-11	9.06E-15	2.19E-13	1.21E-14	2.39874E-13	2.302E-08	1.1436E-05	1.44E-06	5.90261E-12	3.18741E-14	3.62607E-12	6.52693E-15
241	570670.6	4178199	0.55, 41781	0.29828	0.27729	136.89517	48.04336	17.44831	9.65486	2.50669E-08	1.46E-10	2.52E-08	1.15E-05	2.54E-08	1.15E-05	1.47E-06	9.21E-09	1.48E-06	7.78E-12	2.35E-11	1.36E-11	9.92E-15	2.4E-13	1.32E-14	2.62757E-13	2.521E-08	1.153E-05	1.48E-06	6.46567E-12	3.49146E-14	3.97197E-12	7.14954E-15
242	570710.6	4178199	0.55, 41781	0.321	0.32818	151.98197	52.23375	19.68934	11.4382	2.69763E-08	1.73E-10	2.71E-08	1.28E-05	2.76E-08	1.28E-05	1.65E-06	1.04E-08	1.67E-06	8.38E-12	2.53E-11	1.46E-11	1.07E-14	2.58E-13	1.42E-14	2.82935E-13	2.715E-08	1.28E-05	1.67E-06	6.9622E-12	3.75959E-14	4.27699E-12	7.69858E-15
243	570750.6	4178199	0.55, 41781	0.34558	0.38955	144.14265	57.26085	22.53194	13.53855	2.90419E-08	2.06E-10	2.92E-08	1.21E-05	3.02E-08	1.21E-05	1.89E-06	1.19E-08	1.91E-06	9.03E-12	2.73E-11	1.58E-11	1.15E-14	2.78E-13	1.53E-14	3.04799E-13	2.925E-08	1.2144E-05	1.91E-06	7.50022E-12	4.05012E-14	4.60751E-12	8.29352E-15
244	570790.6	4178199	0.55, 41781	0.38143	0.46429	173.32889	66.95506	25.57778	15.36352	3.20547E-08	2.45E-10	3.23E-08	1.46E-05	3.54E-08	1.46E-05	2.15E-06	1.35E-08	2.16E-06	9.97E-12	3.01E-11	1.74E-11	1.27E-14	3.07E-13	1.69E-14	3.36608E-13	3.23E-08	1.4602E-05	2.16E-06	8.28293E-12	4.47278E-14	5.08834E-12	9.15901E-15
245	570830.6	4178199	0.55, 41781	0.44289	0.55991	200.31972	78.9407	28.47462	17.66262	3.72197E-08	2.96E-10	3.75E-08	1.68E-05	4.17E-08	1.69E-05	2.39E-06	1.50E-08	2.41E-06	1.16E-11	3.5E-11	2.02E-11	1.48E-14	3.57E-13	1.97E-14	3.9096E-13	3.752E-08	1.6876E-05	2.41E-06	9.62039E-12	5.19501E-14	5.90996E-12	1.06379E-14
246	570870.6	4178199	0.55, 41781	0.55133	0.6879	245.75399	83.68372	34.28137	20.83884	4.63328E-08	3.63E-10	4.67E-08	2.07E-05	4.42E-08	2.07E-05	2.88E-06	1.81E-08	2.9E-06	1.44E-11	4.35E-11	2.52E-11	1.84E-14	4.44E-13	2.45E-14	4.86635E-13	4.67E-08	2.0697E-05	2.9E-06	1.19747E-11	6.46632E-14	7.35623E-12	1.32412E-14
247	570910.6	4178199	0.55, 41781	0.74216	0.86472	353.61381	98.21675	44.20173	24.01316	6.23698E-08	4.57E-10	6.28E-08	2.97E-05	5.19E-08	2.98E-05	3.71E-06	2.33E-08	3.74E-06	1.94E-11	5.85E-11	3.39E-11	2.47E-14	5.97E-13	3.29E-14	6.54735E-13	6.283E-08	2.9769E-05	3.74E-06	1.61111E-11	8.70001E-14	9.89732E-12	1.78152E-14
248	570950.6	4178199	0.55, 41781	1.08517	1.1274	376.11466	111.85514	52.74149	29.33795	9.11958E-08	5.95E-10	9.18E-08	3.16E-05	5.91E-08	3.17E-05	4.43E-06	2.79E-08	4.46E-06	2.83E-11	8.55E-11	4.95E-11	3.61E-14	8.72E-13	4.81E-14	9.56585E-13	9.179E-08	3.1667E-05	4.46E-06	2.35388E-11	1.27109E-13	1.44603E-11	2.60285E-14
249	570990.6	4178199	0.55, 41781	1.58976	1.56693	410.19015	135.68135	68.60008	44.06737	1.33601E-07	8.27E-10	1.34E-07	3.45E-05	7.17E-08	3.45E-05	5.77E-06	3.62E-08	5.8E-06	4.15E-11	1.25E-10	7.25E-11	5.29E-14	1.28E-12	7.05E-14	1.40092E-12	1.344E-07	3.4543E-05	5.8E-06	3.44725E-11	1.86152E-13	2.1177E-11	3.81187E-14
250	571030.6	4178199	0.55, 41781	2.42958	2.27373	561.74649	191.25505	107.05418	55.40677	2.04178E-07	1.20E-09	2.05E-07	4.72E-05	1.01E-07	4.73E-05	9E-06	5.65E-08	9.05E-06	6.34E-11	1.91E-10	1.11E-10	8.08E-14	1.95E-12	1.08E-13	2.14031E-12	2.054E-07	4.7309E-05	9.05E-06	5.26669E-11	2.84401E-13	3.23541E-11	5.82374E-14
251	571070.6	4178199	0.55, 41781	3.58306	3.18041	721.18769	259.71405	139.44796	73.67892	3.01114E-07	1.68E-09	3.03E-07	6.06E-05	1.37E-07	6.07E-05	1.17E-05	7.36E-08	1.18E-05	9.34E-11	2.82E-10	1.63E-10	1.19E-13	2.88E-12	1.59E-13	3.15551E-12	3.028E-07	6.0745E-05	1.18E-05	7.76479E-11	4.19299E-13	4.77004E-11	8.58607E-14
252	571110.6	4178199	0.55, 41781	5.26167	3.22788	536.30163	206.72583	116.57539	57.94295	4.42182E-07	1.70E-09	4.44E-07	4.51E-05	1.09E-07	4.52E-05	9.8E-06	6.16E-08	9.86E-06	1.37E-10	4.14E-10	2.39E-10	1.75E-13	4.22E-12	2.33E-13	4.62588E-12	4.439E-07	4.5179E-05	9.86E-06	1.13829E-10	6.14679E-13	6.99273E-11	1.25869E-13
253	571150.6	4178199	0.55, 41781	4.55265	2.7214	406.82024	165.14744	75.27018	43.84452	3.82597E-07	1.44E-09	3.84E-07	3.42E-05	8.72E-08	3.43E-05	6.33E-06	3.97E-08	6.37E-06	1.19E-10	3.58E-10	2.07E-10	1.51E-13	3.65E-12	2.01E-13	4.00214E-12	3.84E-07	3.4276E-05	6.37E-06	9.8481E-11	5.31798E-13	6.04985E-11	1.08897E-13
254	571190.6	4178199	0.55, 41781	3.6655	2.27193	348.88414	129.45816	55.11772	35.12171	3.08042E-07	1.20E-09	3.09E-07	2.93E-05	6.84E-08	2.94E-05	4.63E-06	2.91E-08	4.66E-06	9.54E-11	2.88E-10	1.67E-10	1.22E-13	2.94E-12	1.62E-13	3.22271E-12	3.092E-07	2.9388E-05	4.66E-06	7.93015E-11	4.28228E-13	4.87162E-11	8.76892E-14

255	571230.6	4178199	0.55, 41781	2.99647	1.91661	311.11499	100.77545	44.29874	28.05958	2.51818E-07	1.01E-09	2.53E-07	2.61E-05	5.32E-08	2.62E-05	3.72E-06	2.34E-08	3.75E-06	7.8E-11	2.36E-10	1.36E-10	9.95E-14	2.4E-12	1.33E-13	2.63483E-12	2.528E-07	2.6199E-05	3.75E-06	6.48354E-11	3.50111E-13	3.98294E-11	7.1693E-14
256	571270.6	4178199	0.55, 41781	2.48655	1.63354	275.28639	78.6156	36.03295	23.70769	2.08965E-07	8.63E-10	2.1E-07	2.31E-05	4.15E-08	2.32E-05	3.03E-06	1.90E-08	3.05E-06	6.47E-11	1.96E-10	1.13E-10	8.26E-14	1.99E-12	1.1E-13	2.18668E-12	2.098E-07	2.3176E-05	3.05E-06	5.3808E-11	2.90563E-13	3.30551E-11	5.94992E-14
257	571310.6	4178199	0.55, 41781	2.04979	1.39182	251.65063	69.80646	31.45633	18.505	1.72261E-07	7.35E-10	1.73E-07	2.11E-05	3.69E-08	2.12E-05	2.64E-06	1.66E-08	2.66E-06	5.34E-11	1.61E-10	9.33E-11	6.81E-14	1.64E-12	9.07E-14	1.80284E-12	1.73E-07	2.1185E-05	2.66E-06	4.43628E-11	2.39559E-13	2.72528E-11	4.9055E-14
258	571350.6	4178199	0.55, 41781	1.66907	1.18291	207.71058	67.17721	28.41822	15.5683	1.40266E-07	6.25E-10	1.41E-07	1.75E-05	3.55E-08	1.75E-05	2.39E-06	1.50E-08	2.4E-06	4.35E-11	1.31E-10	7.6E-11	5.54E-14	1.34E-12	7.39E-14	1.46826E-12	1.409E-07	1.7491E-05	2.4E-06	3.61297E-11	1.951E-13	2.21951E-11	3.99511E-14
259	571390.6	4178199	0.55, 41781	1.33874	0.99933	175.53523	63.93291	26.80029	13.20173	1.12505E-07	5.28E-10	1.13E-07	1.48E-05	3.38E-08	1.48E-05	2.25E-06	1.42E-08	2.27E-06	3.49E-11	1.05E-10	6.1E-11	4.45E-14	1.07E-12	5.93E-14	1.17795E-12	1.13E-07	1.4785E-05	2.27E-06	2.8986E-11	1.56525E-13	1.78066E-11	3.20519E-14
260	571430.6	4178199	0.55, 41781	1.08215	0.84466	146.49279	60.30749	24.41546	11.02968	9.0942E-08	4.46E-10	9.14E-08	1.23E-05	3.18E-08	1.23E-05	2.05E-06	1.29E-08	2.06E-06	2.82E-11	8.51E-11	4.93E-11	3.6E-14	8.69E-13	4.79E-14	9.52384E-13	9.139E-08	1.2343E-05	2.06E-06	2.34354E-11	1.26551E-13	1.43968E-11	2.59142E-14
261	571470.6	4178199	0.55, 41781	0.88511	0.71494	129.54701	55.96987	21.59117	9.33698	7.43831E-08	3.78E-10	7.48E-08	1.09E-05	2.96E-08	1.09E-05	1.81E-06	1.14E-08	1.83E-06	2.31E-11	6.97E-11	4.03E-11	2.94E-14	7.1E-13	3.92E-14	7.79105E-13	7.476E-08	1.0916E-05	1.83E-06	1.91715E-11	1.03526E-13	1.17774E-11	2.11993E-14
262	571510.6	4178199	0.55, 41781	0.73336	0.60746	112.64977	51.14316	18.77496	8.40942	6.16303E-08	3.21E-10	6.2E-08	9.47E-06	2.70E-08	9.49E-06	1.58E-06	9.91E-09	1.59E-06	1.91E-11	5.77E-11	3.34E-11	2.44E-14	5.89E-13	3.25E-14	6.45612E-13	6.195E-08	9.4939E-06	1.59E-06	1.58866E-11	8.57878E-14	9.75942E-12	1.7567E-14
263	571550.6	4178199	0.55, 41781	0.6189	0.52125	97.68282	46.08498	16.28047	7.59304	5.20113E-08	2.75E-10	5.23E-08	8.21E-06	2.43E-08	8.23E-06	1.37E-06	8.60E-09	1.38E-06	1.61E-11	4.87E-11	2.82E-11	2.06E-14	4.97E-13	2.74E-14	5.44895E-13	5.229E-08	8.2334E-06	1.38E-06	1.34083E-11	7.24047E-14	8.23692E-12	1.48265E-14
264	571590.6	4178199	0.55, 41781	0.52714	0.45016	84.87826	41.93857	14.14638	6.8553	4.42999E-08	2.38E-10	4.45E-08	7.13E-06	2.21E-08	7.16E-06	1.19E-06	7.47E-09	1.2E-06	1.37E-11	4.15E-11	2.4E-11	1.75E-14	4.23E-13	2.33E-14	4.64141E-13	4.454E-08	7.1552E-06	1.2E-06	1.14212E-11	6.16743E-14	7.01621E-12	1.26292E-14
265	570310.6	4178239	0.55, 41782	0.10871	0.07725	69.36135	22.19632	9.49069	3.20395	9.1358E-09	4.08E-11	9.18E-09	5.83E-06	1.17E-08	5.84E-06	7.98E-07	5.01E-09	8.03E-07	2.83E-12	8.55E-12	4.95E-12	3.61E-15	8.72E-14	4.81E-15	9.56322E-14	9.177E-09	5.8407E-06	8.03E-07	2.35323E-12	1.27074E-14	1.44563E-12	2.60213E-15
266	570350.6	4178239	0.55, 41782	0.12097	0.08699	80.24676	23.95533	10.03084	3.79637	1.01661E-08	4.59E-11	1.02E-08	6.74E-06	1.27E-08	6.76E-06	8.43E-07	5.30E-09	8.48E-07	3.15E-12	9.51E-12	5.51E-12	4.02E-15	9.71E-14	5.35E-15	1.06423E-13	1.021E-08	6.7564E-06	8.48E-07	2.61876E-12	1.41413E-14	1.60875E-12	2.89575E-15
267	570390.6	4178239	0.55, 41782	0.13576	0.09875	97.68381	28.15369	12.21048	4.56788	1.1409E-08	5.21E-11	1.15E-08	8.21E-06	1.49E-08	8.22E-06	1.03E-06	6.45E-09	1.03E-06	3.54E-12	1.07E-11	6.18E-12	4.51E-15	1.09E-13	6.01E-15	1.19441E-13	1.146E-08	8.224E-06	1.03E-06	2.93909E-12	1.58711E-14	1.80553E-12	3.24995E-15
268	570430.6	4178239	0.55, 41782	0.15369	0.11303	112.57412	32.01468	14.07177	5.30028	1.29158E-08	5.97E-11	1.3E-08	9.46E-06	1.69E-08	9.48E-06	1.18E-06	7.43E-09	1.19E-06	4E-12	1.21E-11	7E-12	5.11E-15	1.23E-13	6.8E-15	1.35222E-13	1.298E-08	9.4774E-06	1.19E-06	3.32742E-12	1.79681E-14	2.04409E-12	3.67936E-15
269	570470.6	4178239	0.55, 41782	0.17542	0.1305	120.86213	35.6675	15.10777	5.94458	1.4742E-08	6.89E-11	1.48E-08	1.02E-05	1.88E-08	1.02E-05	1.27E-06	7.98E-09	1.28E-06	4.57E-12	1.38E-11	7.99E-12	5.83E-15	1.41E-13	7.76E-15	1.54349E-13	1.481E-08	1.0176E-05	1.28E-06	3.79809E-12	2.05097E-14	2.33323E-12	4.19981E-15
270	570510.6	4178239	0.55, 41782	0.20166	0.15208	118.29832	38.86505	14.78729	6.47751	1.69472E-08	8.03E-11	1.7E-08	9.94E-06	2.05E-08	9.96E-06	1.24E-06	7.81E-09	1.25E-06	5.25E-12	1.59E-11	9.18E-12	6.7E-15	1.62E-13	8.93E-15	1.77449E-13	1.703E-08	9.9621E-06	1.25E-06	4.3665E-12	2.35791E-14	2.68241E-12	4.82834E-15
271	570550.6	4178239	0.55, 41782	0.23297	0.17899	134.82021	41.51275	16.85253	6.91879	1.95784E-08	9.45E-11	1.97E-08	1.13E-05	2.19E-08	1.14E-05	1.42E-06	8.90E-09	1.43E-06	6.07E-12	1.83E-11	1.06E-11	7.74E-15	1.87E-13	1.03E-14	2.05018E-13	1.967E-08	1.1352E-05	1.43E-06	5.04489E-12	2.72424E-14	3.09916E-12	5.57848E-15
272	570590.6	4178239	0.55, 41782	0.26933	0.21289	138.182	44.61865	17.27275	7.89914	2.2634E-08	1.12E-10	2.27E-08	1.16E-05	2.36E-08	1.16E-05	1.45E-06	9.12E-09	1.46E-06	7.02E-12	2.12E-11	1.23E-11	8.95E-15	2.16E-13	1.19E-14	2.37048E-13	2.275E-08	1.1636E-05	1.46E-06	5.83306E-12	3.14985E-14	3.58335E-12	6.45002E-15
273	570630.6	4178239	0.55, 41782	0.31001	0.25571	151.57706	47.88426	18.94713	9.37801	2.60527E-08	1.35E-10	2.62E-08	1.27E-05	2.53E-08	1.28E-05	1.59E-06	1.00E-08	1.6E-06	8.08E-12	2.44E-11	1.41E-11	1.03E-14	2.49E-13	1.37E-14	2.72911E-13	2.619E-08	1.2764E-05	1.6E-06	6.71554E-12	3.62639E-14	4.12547E-12	7.42584E-15
274	570670.6	4178239	0.55, 41782	0.35129	0.30919	163.01094	51.1286	20.37637	10.66356	2.95218E-08	1.63E-10	2.97E-08	1.37E-05	2.70E-08	1.37E-05	1.71E-06	1.08E-08	1.72E-06	9.16E-12	2.77E-11	1.6E-11	1.17E-14	2.82E-13	1.56E-14	3.09358E-13	2.969E-08	1.3726E-05	1.72E-06	7.61239E-12	4.11069E-14	4.67642E-12	8.41755E-15
275	570710.6	4178239	0.55, 41782	0.3879	0.37553	161.77129	55.27243	21.46966	11.91574	3.25984E-08	1.98E-10	3.28E-08	1.36E-05	2.92E-08	1.36E-05	1.8E-06	1.13E-08	1.82E-06	1.01E-11	3.06E-11	1.77E-11	1.29E-14	3.12E-13	1.72E-14	3.41785E-13	3.28E-08	1.3624E-05	1.82E-06	8.41035E-12	4.54159E-14	5.16661E-12	9.2999E-15
276	570750.6	4178239	0.55, 41782	0.41955	0.45853	185.09687	61.2613	24.33831	15.0229	3.52583E-08	2.42E-10	3.55E-08	1.56E-05	3.24E-08	1.56E-05	2.05E-06	1.29E-08	2.06E-06	1.1E-11	3.31E-11	1.91E-11	1.4E-14	3.37E-13	1.86E-14	3.69961E-13	3.55E-08	1.5588E-05	2.06E-06	9.10366E-12	4.91598E-14	5.59253E-12	1.00666E-14
277	570790.6	4178239	0.55, 41782	0.45531	0.56517	195.76674	71.16962	30.0466	17.67317	3.82635E-08	2.98E-10	3.86E-08	1.65E-05	3.76E-08	1.65E-05	2.53E-06	1.59E-08	2.54E-06	1.19E-11	3.59E-11	2.08E-11	1.52E-14	3.66E-13	2.02E-14	4.01866E-13	3.856E-08	1.6489E-05	2.54E-06	9.88876E-12	5.33993E-14	6.07482E-12	1.09347E-14
278	570830.6	4178239	0.55, 41782	0.51729	0.70869	186.14136	86.93814	30.32646	20.0795	4.34722E-08	3.74E-10	4.38E-08	1.56E-05	4.59E-08	1.57E-05	2.55E-06	1.60E-08	2.56E-06	1.35E-11	4.09E-11	2.36E-11	1.73E-14	4.17E-13	2.3E-14	4.56937E-13	4.385E-08	1.5689E-05	2.56E-06	1.12439E-11	6.07171E-14	6.90731E-12	1.24332E-14
279	570870.6	4178239	0.55, 41782	0.63421	0.91745	225.98347	96.3139	37.66391	24.81387	5.32979E-08	4.84E-10	5.38E-08	1.9E-05	5.09E-08	1.9E-05	3.17E-06	1.99E-08	3.19E-06	1.66E-11	5.01E-11	2.9E-11	2.12E-14	5.11E-13	2.82E-14	5.60484E-13	5.378E-08	1.9042E-05	3.19E-06	1.37919E-11	7.44761E-14	8.47257E-12	1.52506E-14
280	570910.6	4178239	0.55, 41782	0.85302	1.23442	293.13359	117.47886	47.06613	30.6738	7.16863E-08	6.52E-10	7.23E-08	2.46E-05	6.20E-08	2.47E-05	3.96E-06	2.49E-08	3.98E-06	2.23E-11	6.74E-11	3.9E-11	2.85E-14	6.87E-13	3.79E-14	7.5386E-13	7.234E-08	2.4696E-05	3.98E-06	1.85503E-11	1.00172E-13	1.13957E-11	2.05123E-14
281	570950.6	4178239	0.55, 41782	1.35023	1.79208	455.80102	142.22416	68.40553	39.86266	1.13471E-07	9.46E-10	1.14E-07	3.83E-05	7.51E-08	3.84E-05	5.75E-06	3.61E-08	5.78E-06	3.53E-11	1.07E-10	6.17E-11	4.5E-14	1.09E-12	6E-14	1.19238E-12	1.144E-07	3.838E-05	5.78E-06	2.9341E-11	1.58441E-13	1.80247E-11	3.24444E-14
282	570990.6	4178239	0.55, 41782	3.0182	3.06414	885.93977	193.04223	147.1874	58.20401	2.53644E-07	1.62E-09	2.55E-07	7.45E-05	1.02E-07	7.46E-05	1.24E-05	7.77E-08	1.24E-05	7.88E-11	2.38E-10	1.38E-10	1E-13	2.43E-12	1.34E-13	2.66017E-12	2.553E-07	7.4555E-05	1.24E-05	6.54591E-11	3.53479E-13	4.02126E-11	7.23826E-14
283	571030.6	4178239	0.55, 41782	7.70332	4.46365	679.65913	243.63294	144.28562	71.78775	6.47374E-07	2.36E-09	6.5E-07	5.71E-05	1.29E-07	5.72E-05	1.21E-05	7.62E-08	1.22E-05	2E-10	6.05E-10	3.5E-10	2.56E-13	6.17E-12	3.41E-13	6.77105E-12	6.497E-07	5.7246E-05	1.22E-05	1.66616E-10	8.99726E-13	1.02355E-10	1.84239E-13
284	571110.6	4178239	0.55, 41782	48.37684	13.76668	1082.14109	288.2044	441.33003	115.9324	4.06551E-06	7.27E-09	4.07E-06	9.09E-05	1.52E-07	9.11E-05	3.71E-05	2.33E-07	3.73E-05	1.26E-09	3.79E-09	2.2E-09	1.6E-12	3.87E-11	2.14E-12	4.24437E-11	4.073E-06	9.1093E-05	3.73E-05	1.04442E-09	5.63985E-12	6.41602E-10	1.15488E-12
285	571150.6	4178239	0.55, 41782	14.38318	6.22649	550.93904	192.81003	147.46183	59.89562	1.20874E-06	3.29E-09	1.21E-06	4.63E-05	1.02E-07	4.64E-05	1.24E-05	7.79E-08	1.25E-05	3.74E-10	1.13E-09	6.54E-10	4.77E-13	1.15E-11	6.35E-13	1.26309E-11	1.212E-06	4.6402E-05	1.25E-05	3.1081E-10	1.67837E-12	1.90936E-10	3.43684E-13
286	571190.6	4178239	0.55, 41782	8.08563	4.10425	423.01159	138.20819	88.76631	43.45879	6.79502E-07	2.17E-09	6.82E-07	3.55E-05	7.30E-08	3.56E-05	7.46E-06	4.69E-08	7.51E-06	2.1E-10	6.35E-10	3.68E-10	2.68E-13	6.48E-12	3.57E-13	7.1039E-12	6.817E-07	3.5622E-05	7.51E-06	1.74806E-10	9.43954E-13	1.07386E-10	1.93295E-13
287	571230.6	4178239	0.55, 41782	5.48613	3.01374	364.79857	99.98669	64.1708	32.88659	4.61045E-07	1.59E-09	4.63E-07	3.07E-05	5.28E-08	3.07E-05	5.39E-06	3.39E-08	5.43E-06	1.43E-10	4.31E-10	2.5E-10	1.82E-13	4.4E-12	2.43E-13	4.82128E-12	4.626E-07	3.071E-05	5.43E-06	1.18638E-10	6.40644E-13	7.28811E-11	1.31186E-13
288	571270.6	4178239	0.55, 41782	3.91656	2.30583	308.69657	91.16262	42.97299	25.31404	3.29141E-07	1.22E-09	3.3E-07	2.59E-05	4.81E-08	2.6E-05	3.61E-06	2.27E-08	3.63E-06	1.02E-10	3.08E-10	1.78E-10	1.3E-13	3.14E-12	1.73E-13	3.44277E-12	3.304E-07	2.599E-05	3.63E-06	8.47166E-11	4.5747E-13	5.20428E-11	9.3677E-14
289	571310.6	4178239	0.55, 41782	2.81911	1.80691	238.76095	82.99282	36.57222	19.65898	2.36913E-07	9.54E-10	2.38E-07	2.01E-05	4.38E-08	2.01E-05	3.07E-06	1.93E-08	3.09E-06	7.34E-11	2.22E-10	1.28E-10	9.36E-14	2.26E-12	1.25E-13	2.47889E-12	2.379E-07	2.0109E-05	3.09E-06	6.09983E-11	3.29391E-13	3.74723E-11	6.74501E-14
290	571350.6	4178239	0.55, 41782	2.07392	1.43877	186.98174	75.01218	31.16362	15.62493	1.74289E-07	7.60E-10	1.75E-07	1.57E-05	3.96E-08	1.58E-05	2.62E-06	1.65E-08	2.64E-06	5.4E-11	1.63E-10	9.44E-11	6.89E-14	1.66E-12	9.18E-14	1.82424E-12	1.75E-07	1.5753E-05	2.64E-06	4.48891E-11	2.42401E-13	2.75761E-11	4.9637E-14
291	571390.6	4178239	0.55, 41782	1.57003	1.1589	153.36435	67.14235	25.56072	13.28221	1.31943E-07	6.12E-10	1.33E-07	1.29E-05	3.55E-08	1.29E-05	2.15E-06	1.35E-08	2.16E-06	4.09E-11	1.24E-10	7.15E-11	5.22E-14	1.26E-12	6.95E-14	1.38139E-12	1.326E-07	1.2924E-05	2.16E-06	3.39921E-11	1.83557E-13	2.08819E-11	3.75874E-14
292	571430.6	4178239	0.55, 41782	1.23548	0.94866	124.99719	59.46648	20.83286	11.6734	1.03828E-07	5.01E-10	1.04E-07	1.05E-05	3.14E-08	1.05E-05	1.75E-06	1.10E-08	1.76E-06	3.22E-11	9.72E-11	5.63E-11	4.1E-14	9.91E-13	5.47E-14	1.08724E-12	1.043E-07	1.0536E-05	1.76E-06	2.67538E-11	1.44471E-13	1.64353E-11	2.95836E-14
293	571470.6	4178239	0.55, 41782	0.99131	0.7845	109.3041	54.21436	17.2339	10.26711	8.3308E-08	4.14E-10	8.37E-08	9.19E-06	2.86E-08	9.21E-06	1.45E-06	9.10E-09	1.46E-06	2.58E-11	7.8E-11	4.52E-11	3.29E-14	7.96E-13	4.39E-14	8.72496E-13	8.372E-08	9.2144E-06	1.46E-06	2.14696E-11	1.15936E-13	1.31891E-11	2.37404E-14
294	571510.6	4178239	0.55, 41782	0.81688	0.65976	100.30585	50.40167	14.55844	9.03737	6.86492E-08	3.48E-10	6.9E-08	8.43E-06	2.66E-08	8.46E-06	1.22E-06	7.69E-09	1.23E-06	2.13E-11	6.43E-11	3.72E-11	2.71E-14	6.56E-13	3.62E-14	7.19046E-13	6.9E-08	8.4561E-06	1.23E-06	1.76936E-11	9.55456E-14	1.08695E-11	1.95651E-14
295	571550.6	4178239	0.55, 41782	0.68618	0.56281	92.19218	46.80105	12.52836	7.96128	5.76654E-08	2.97E-10	5.8E-08	7.75E-06	2.47E-08	7.77E-06	1.05E-06	6.62E-09	1.06E-06	1.79E-11	5.4E-11	3.13E-11	2.28E-14	5.51E-13	3.04E-14	6.04047E-13	5.796E-08	7.7724E-06	1.06E-06	1.48638E-11	8.02647E-14	9.13109E-12	1.6436E-14
296	571590.6	4178239	0.55, 41782	0.57854	0.48285	84.94405	43.3686	10.89629	7.01254	4.86195E-08	2.55E-10	4.89E-08	7.14E-06	2.29E-08	7.16E-06	9.16E-07	5.75E-09	9.21E-07	1.51E-11	4.55E-11	2.64E-11	1.92E-14	4.64E-13	2.56E-14	5.09337E-13	4.887E-08	7.1615E-06	9.21E-07	1.25333E-11	6.76798E-14	7.69941E-12	1.38589E-14
297	570310.6	4178279	0.55, 41782	0.11004	0.07807	74.04292	22.79319	10.17864	3.64675	9.24757E-09	4.12E-11	9.29E-09	6.22E-06	1.20E-08	6.23E-06	8.55E-07	5.38E-09	8.61E-07	2.87E-12	8.65E-12	5.01E-12	3.65E-15	8.83E-14	4.87E-15	9.68015E-14	9.289E-09	6.2345E-06	8.61E-07	2.382E-12	1.28628E-14	1.4633E-12	2.63395E-15
298	570350.6	4178279	0.55, 41782	0.12249	0.08802	80.9847	23.74961	11.08549	3.81596	1.02938E-08	4.65E-11	1.03E-08	6.81E-06	1.25E-08	6.82E-06	9.32E-07	5.85E-09	9.37E-07	3.19E-12	9.63E-12	5.58E-12	4.07E-15	9.83E-14	5.42E-15	1.0776E-13	1.034E-08	6.8184E-06	9.37E-07	2.65166E-12	1.43189E-14	1.62896E-12	2.93212E-15
299	570390.6	4178279	0.55, 41782	0.13757	0.10016	86.03589	24.80698	11.74551	4.00404	1.15611E-08	5.29E-11	1.16E-08	7.23E-06	1.31E-08	7.24E-06	9.87E-07	6.20E-09	9.93E-07	3.58E-12	1.08E-11	6.26E-12	4.57E-15	1.1E-13	6.09E-15	1.21034E-13	1.161E-08	7.2434E-06	9.93E-07	2.97828E-12	1.60827E-14	1.82961E-12	3.2933E-15
300	570430.6	4178279	0.55, 41782	0.15607	0.11514	96.31741	27.84204	12.03968	4.46456	1.31159E-08	6.08E-11	1.32E-08	8.09E-06	1.47E-08	8.11E-06	1.01E-06	6.36E-09	1.02E-06	4.07E-12	1.23E-11	7.11E-12	5.18E-15	1.25E-13	6.91E-15	1.37318E-13	1.318E-08	8.1091E-06	1.02E-06	3.379E-12	1.82466E-14	2.07577E-12	3.73639E-15
301	570470.6	4178279	0.55, 41782	0.17907	0.13378	120.52086	33.01708	15.06511	5.41696	1.50487E-08	7.06E-11	1.51E-08	1.01E-05	1.74E-08	1.01E-05	1.27E-06	7.96E-09	1.27E-06	4.67E-12	1.41E-11	8.16E-12	5.95E-15	1.44E-13	7.93E-15	1.57564E-13	1.512E-08	1.0146E-05	1.27E-06	3.87719E-12	2.09368E-14	2.38182E-12	4.28728E-15
302	570510.6	4178279	0.55, 41782	0.20795	0.15724	141.57577	37.85068	17.69697	6.30845	1.74758E-08	8.30E-11	1.76E-08	1.19E-05	2.00E-08	1.19E-05	1.49E-06	9.35E-09	1.5E-06	5.42E-12	1.64E-11	9.47E-12	6.91E-15	1.67E-13	9.21E-15	1.82986E-13	1.756E-08	1.1918E-05	1.5E-06	4.50275E-12	2.43148E-14	2.76611E-12	4.979E-15
303	570550.6	4178279	0.55, 41782	0.24435	0.18714	153.17347	42.50173	19.14668	7.08362	2.05348E-08	9.88E-11	2.06E-08	1.29E-05	2.24E-08	1.29E-05	1.61E-06	1.01E-08	1.62E-06	6.37E-12	1.92E-11	1.11E-11	8.12E-15	1.96E-13	1.08E-14	2.15029E-13	2.063E-08	1.2895E-05	1.62E-06	5.29124E-12	2.85727E-14	3.2505E-12	5.85089E-15
304	570590.6	4178279	0.55, 41782	0.28993	0.22577	157.86485	46.41285	19.73311	7.73548	2.43652E-08	1.19E-10	2.45E-08	1.33E-05	2.45E-08	1.33E-05	1.66E-06	1.04E-08	1.67E-06	7.56E-12	2.28E-11	1.32E-11	9.63E-15	2.33E-13	1.28E-14	2.5516E-13	2.448E-08	1.3291E-05	1.67E-06	6.27875E-12	3.39053E-14	3.85714E-12	6.94285E-15
305	570630.6	4178279	0.55, 41782	0.34541	0.27631	169.89337	50.77009	21.23667	9.57894	2.90277E-08	1.46E-10	2.92E-08	1.43E-05	2.68E-08	1.43E-05	1.78E-06	1.12E-08	1.8E-06	9E-12	2.72E-11	1.57E-11	1.15E-14	2.77E-13	1.53E-14	3.04027E-13	2.917E-08	1.4304E-05	1.8E-06	7.48122E-12	4.03986E-14	4.59584E-12	8.27251E-15
306	570670.6	4178279	0.55, 41782	0.40869	0.34273	189.16159	55.36754	23.6452	11.64813	3.43456E-08	1.81E-10	3.45E-08	1.59E-05	2.92E-08	1.59E-05	1.99E-06	1.25E-08	2E-06	1.07E-11	3.22E-11	1.86E-11	1.36E-14	3.28E-13	1.81E-14	3.59813E-13	3.453E-08	1.5926E-05	2E-06	8.85394E-12	4.78113E-14	5.43912E-12	9.79042E-15
307	570710.6	4178279	0.55, 41782	0.47241	0.42944	202.37611	59.97812	25.29701	13.4468	3.97005E-08	2.27E-10	3.99E-08	1.7E-05	3.17E-08	1.7E-05	2.13E-06	1.34E-08	2.14E-06	1.23E-11	3.72E-11	2.15E-11	1.57E-14	3.79E-13	2.09E-14	4.16095E-13	3.993E-08	1.7039E-05	2.14E-06	1.02389E-11	5.529E-14	6.28992E-12	1.13219E-14
308	570750.6	4178279	0.55, 41782	0.52143	0.53099	207.36077	66.44988	28.38204	16.35494	4.38201E-08	2.80E-10	4.41E-08	1.74E-05	3.51E-08	1.75E-05	2.39E-06	1.50E-08	2.4E-06	1.36E-11	4.11E-11	2.38E-11	1.74E-14	4.19E-13	2.31E-14	4.59585E-13	4.41E-08	1.7461E-05	2.4E-06	1.13091E-11	6.10689E-14	6.94734E-12	1.25052E-14
309	570790.6	4178279	0.55, 41782	0.56782	0.69623	217.33897	75.80804	33.24185	20.36018	4.77186E-08	3.68E-10	4.81E-08	1.83E-05	4.00E-08	1.83E-05	2.79E-06	1.76E-08	2.81E-06	1.48E-11	4.48E-11	2.59E-11	1.89E-14	4.57E-13	2.52E-14	5.01122E-13	4.809E-08	1.8305E-05	2.81E-06	1.23312E-11	6.65883E-14	7.57524E-12	1.36354E-14
310	570830.6	4178279	0.55, 41782	0.62461	0.91706	236.67869	94.57659	34.09074	24.90976	5.24911E-08	4.84E-10	5.3E-08	1.99E-05	4.99E-08	1.99E-05	2.86E-06	1.80E-08	2.88E-06	1.63E-11	4.94E-11	2.86E-11	2.08E-14	5.03E-13	2.78E-14	5.52074E-13	5.298E-08	1.994E-05	2.88E-06	1.35849E-11	7.33586E-14	8.34545E-12	1.50218E-14
311	570870.6	4178279	0.55, 41782	0.74364	1.27032	232.57719	121.10786	38.76287	29.17824	6.24942E-08	6.71E-10	6.32E-08	1.95E-05	6.40E-08	1.96E-05	3.26E-06	2.05E-08	3.28E-06	1.95E-11	5.89E-11	3.41E-11	2.49E-14	6E-13	3.31E-14	6.58263E-13	6.317E-08	1.9609E-05	3.28E-06	1.61979E-11	8.74689E-14	9.95066E-12	1.79112E-14
312	570910.6	4178279	0.55, 41782	0.98087	1.94043	289.58181	139.00222	48.26363	45.30681	8.24306E-08	1.02E-09	8.35E-08	2.43E-05	7.34E-08	2.44E-05	4.06E-06	2.55E-08	4.08E-06	2.58E-11	7.78E-11	4.5E-11	3.28E-14	7.93E-13	4.38E-14	8.69715E-13	8.346E-08	2.4409E-05	4.08E-06	2.14012E-11	1.15566E-13	1.31471E-11	2.36647E-14
313	570950.6	4178279	0.55, 41782	1.54705	3.33468	380.89662	209.14004	63.48277	60.99964	1.30011E-07	1.76E-09	1.32E-07	3.2E-05	1.10E-07	3.21E-05	5.33E-06	3.35E-08	5.37E-06	4.07E-11	1.23E-10	7.11E-11	5.18E-14	1.25E-12	6.91E-14	1.37324E-12	1.318E-07	3.212E-05	5.37E-06	3.37915E-11	1.82474E-13	2.07587E-11	3.73656E-14
314	571150.6	4178279	0.55, 41782	125.5821	15.27099	2183.625	235.47088	1020.3296	115.3363	1.05537E-05	8.06E-09	1.06E-05	0.000184	1.24E-07	0.000184	8.57E-05	5.39E-07	8.63E-05	3.26E-09	9.84E-09	5.7E-09	4.16E-12	1E-10	5.54E-12	1.10068E-10	1.056E-05	0.00018363	8.63E-05	2.70844E-09	1.46256E-11	1.66384E-09	2.99491E-12
315	571190.6	4178279	0.55, 41782	19.14498	7.50998	704.1647	157.76938	186.41477	61.8786	1.60891E-06	3.97E-09	1.61E-06	5.92E-05	8.33E-08	5.93E-05	1.57E-05	9.84E-08	1.58E-05	4.98E-10	1.5E-09	8.7E-10	6.35E-13	1.53E-11	8.46E-13	1.68083E-11	1.613E-06	5.926E-05	1.58E-05	4.13603E-10	2.23346E-12	2.54083E-10	4.5735E-13
316	571230.6	4178279	0.55, 41782	9.41744	4.44398	418.2482	120.63814	87.01567	39.51148	7.91425E-07	2.35E-09	7.94E-07	3.51E-05	6.37E-08	3.52E-05	7.31E-06	4.60E-08	7.36E-06	2.45E-10	7.4E-10	4.28E-10	3.12E-13	7.54E-12	4.16E-13	8.27215E-12	7.938E-07	3.5213E-05	7.36E-06	2.03554E-10	1.09919E-12	1.25046E-10	2.25083E-13
317	571270.6	4178279	0.55, 41782	5.33507	3.02277	265.61255	99.06709	58.88721	29.56115	4.4835E-07	1.60E-09	4.5E-07	2.23E-05	5.23E-08	2.24E-05	4.95E-06	3.11E-08	4.98E-06	1.39E-10	4.19E-10	2.43E-10	1.77E-13	4.28E-12	2.36E-13	4.68903E-12	4.499E-07	2.2374E-05	4.98E-06	1.15383E-10	6.23071E-13	7.0882E-11	1.27588E-13
318	571310.6	4178279	0.55, 41782	3.44949	2.20529	197.38222	83.78037	42.40574	23.44903	2.89889E-07	1.16E-09	2.91E-07	1.66E-05	4.42E-08	1.66E-05	3.56E-06	2.24E-08	3.59E-06	8.98E-11	2.71E-10	1.57E-10	1.15E-13	2.77E-12	1.53E-13	3.03316E-12	2.911E-07	1.6632E-05	3.59E-06	7.46373E-11	4.03042E-13	4.58509E-11	8.25317E-14
319	571350.6	4178279	0.55, 41782	2.42474	1.67304	164.77993	74.08708	31.82391	19.20475	2.03771E-07	8.84E-10	2.05E-07	1.38E-05	3.91E-08	1.39E-05	2.67E-06	1.68E-08	2.69E-06	6.32E-11	1.91E-10	1.1E-10	8.05E-14	1.94E-12	1.07E-13	2.13277E-12	2.047E-07	1.3887E-05	2.69E-06	5.24813E-11	2.83399E-13	3.22401E-11	5.80322E-14
320	571390.6	4178279	0.55, 41782	1.80332	1.30805	139.62437	66.18564	24.75802	16.07748	1.51548E-07	6.91E-10	1.52E-07	1.17E-05	3.50E-08	1.18E-05	2.08E-06	1.31E-08	2.09E-06	4.7E-11	1.42E-10	8.21E-11	5.99E-14	1.45E-12	7.98E-14	1.58653E-12	1.522E-07	1.1769E-05	2.09E-06	3.90398E-11	2.10815E-13	2.39828E-11	4.3169E-14
321	571430.6	4178279	0.55, 41782	1.38872	1.04688	120.07885	59.47148	19.78612	13.66223	1.16706E-07	5.53E-10	1.17E-07	1.01E-05	3.14E-08	1.01E-05	1.66E-06	1.04E-08	1.67E-06	3.62E-11	1.09E-10	6.32E-11	4.61E-14	1.11E-12	6.15E-14	1.22199E-12	1.173E-07	1.0123E-05	1.67E-06	3.00696E-11	1.62376E-13	1.84722E-11	3.325E-14
322	571470.6	4178279	0.55, 41782	1.11171	0.86066	104.95004	53.66694	16.34545	11.81303	9.34262E-08	4.55E-10	9.39E-08	8.82E-06	2.83E-08	8.85E-06	1.37E-06	8.63E-09	1.38E-06	2.9E-11	8.75E-11	5.06E-11	3.69E-14	8.92E-13	4.92E-14	9.78361E-13	9.388E-08	8.8482E-06	1.38E-06	2.40746E-11	1.30003E-13	1.47894E-11	2.6621E-14
323	571510.6	4178279	0.55, 41782	0.90331	0.71725	92.95227	48.50847	13.70064	10.27697	7.59126E-08	3.79E-10	7.63E-08	7.81E-06	2.56E-08	7.84E-06	1.15E-06	7.24E-09	1.16E-06	2.35E-11	7.11E-11	4.11E-11	3E-14	7.25E-13	4E-14	7.95057E-13	7.629E-08	7.8372E-06	1.16E-06	1.9564E-11	1.05646E-13	1.20185E-11	2.16333E-14
324	571550.6	4178279	0.55, 41782	0.74685	0.60641	83.35854	43.88956	11.6678	9.00306	6.2764E-08	3.20E-10	6.31E-08	7.01E-06	2.32E-08	7.03E-06	9.81E-07	6.16E-09	9.87E-07	1.95E-11	5.88E-11	3.4E-11	2.48E-14	6E-13	3.31E-14	6.57421E-13	6.308E-08	7.0285E-06	9.87E-07	1.61772E-11	8.7357E-14	9.93792E-12	1.78883E-14
325	571590.6	4178279	0.55, 41782	0.63093	0.52161	75.57295	41.1264	10.11638	7.96472	5.30223E-08	2.75E-10	5.33E-08	6.35E-06	2.17E-08	6.37E-06	8.5E-07	5.34E-09	8.56E-07	1.64E-11	4.97E-11	2.87E-11	2.1E-14	5.07E-13	2.79E-14	5.55433E-13	5.33E-08	6.3727E-06	8.56E-07	1.36676E-11	7.38049E-14	8.39622E-12	1.51132E-14
326	570310.6	4178319	0.55, 41783	0.1112	0.07908	65.67409	25.12162	10.72274	3.92383	9.34506E-09	4.18E-11	9.39E-09	5.52E-06	1.33E-08	5.53E-06	9.01E-07	5.66E-09	9.07E-07	2.9E-12	8.75E-12	5.06E-12	3.69E-15	8.92E-14	4.92E-15	9.7823E-14	9.387E-09	5.5324E-06	9.07E-07	2.40714E-12	1.29986E-14	1.47875E-12	2.66174E-15
327	570350.6	4178319	0.55, 41783	0.12381	0.08915	72.99363	26.3644	10.96785	4.13077	1.04048E-08	4.71E-11	1.05E-08	6.13E-06	1.39E-08	6.15E-06	9.22E-07	5.79E-09	9.28E-07	3.23E-12	9.74E-12	5.64E-12	4.11E-15	9.93E-14	5.48E-15	1.08922E-13	1.045E-08	6.1482E-06	9.28E-07	2.68026E-12	1.44734E-14	1.64653E-12	2.96375E-15
328	570390.6	4178319	0.55, 41783	0.13907	0.1015	85.61577	27.73961	11.84211	4.3586	1.16872E-08	5.36E-11	1.17E-08	7.2E-06	1.46E-08	7.21E-06	9.95E-07	6.25E-09	1E-06	3.62E-12	1.09E-11	6.33E-12	4.62E-15	1.12E-13	6.16E-15	1.22355E-13	1.174E-08	7.2096E-06	1E-06	3.01079E-12	1.62583E-14	1.84958E-12	3.32924E-15
329	570430.6	4178319	0.55, 41783	0.15783	0.11689	97.99246	29.27563	13.47747	4.61214	1.32638E-08	6.17E-11	1.33E-08	8.24E-06	1.55E-08	8.25E-06	1.13E-06	7.12E-09	1.14E-06	4.11E-12	1.24E-11	7.19E-12	5.24E-15	1.27E-13	6.99E-15	1.38869E-13	1.333E-08	8.2506E-06	1.14E-06	3.41717E-12	1.84527E-14	2.09922E-12	3.7786E-15
330	570470.6	4178319	0.55, 41783	0.18134	0.13633	108.90086	31.01454	14.92794	4.89871	1.52395E-08	7.20E-11	1.53E-08	9.15E-06	1.64E-08	9.17E-06	1.25E-06	7.88E-09	1.26E-06	4.72E-12	1.43E-11	8.26E-12	6.02E-15	1.46E-13	8.03E-15	1.59566E-13	1.531E-08	9.1682E-06	1.26E-06	3.92645E-12	2.12029E-14	2.41208E-12	4.34175E-15
331	570510.6	4178319	0.55, 41783	0.21129	0.16124	118.40452	33.29424	15.9306	5.40834	1.77564E-08	8.51E-11	1.78E-08	9.95E-06	1.76E-08	9.97E-06	1.34E-06	8.41E-09	1.35E-06	5.51E-12	1.66E-11	9.62E-12	7.02E-15	1.7E-13	9.35E-15	1.85933E-13	1.784E-08	9.9681E-06	1.35E-06	4.57527E-12	2.47065E-14	2.81066E-12	5.05919E-15
332	570550.6	4178319	0.55, 41783	0.2503	0.19368	153.9338	39.94632	19.24172	6.62991	2.10348E-08	1.02E-10	2.11E-08	1.29E-05	2.11E-08	1.3E-05	1.62E-06	1.02E-08	1.63E-06	6.52E-12	1.97E-11	1.14E-11	8.32E-15	2.01E-13	1.11E-14	2.20276E-13	2.114E-08	1.2957E-05	1.63E-06	5.42035E-12	2.92699E-14	3.32981E-12	5.99366E-15
333	570590.6	4178319	0.55, 41783	0.30196	0.23671	186.54438	46.61587	23.31805	7.76931	2.53762E-08	1.25E-10	2.55E-08	1.57E-05	2.46E-08	1.57E-05	1.96E-06	1.23E-08	1.97E-06	7.87E-12	2.38E-11	1.38E-11	1E-14	2.42E-13	1.34E-14	2.65756E-13	2.55E-08	1.5701E-05	1.97E-06	6.53949E-12	3.53132E-14	4.01731E-12	7.23116E-15
334	570630.6	4178319	0.55, 41783	0.37105	0.29503	205.0145	52.79857	25.62681	8.79976	3.11824E-08	1.56E-10	3.13E-08	1.72E-05	2.79E-08	1.73E-05	2.15E-06	1.35E-08	2.17E-06	9.67E-12	2.92E-11	1.69E-11	1.23E-14	2.98E-13	1.64E-14	3.26585E-13	3.134E-08	1.7257E-05	2.17E-06	8.03632E-12	4.33961E-14	4.93684E-12	8.88631E-15
335	570670.6	4178319	0.55, 41783	0.462	0.37572	218.45656	59.57781	27.30707	11.98561	3.88257E-08	1.98E-10	3.9E-08	1.84E-05	3.15E-08	1.84E-05	2.29E-06	1.44E-08	2.31E-06	1.2E-11	3.64E-11	2.1E-11	1.54E-14	3.71E-13	2.05E-14	4.06683E-13	3.902E-08	1.839E-05	2.31E-06	1.00073E-11	5.40393E-14	6.14763E-12	1.10657E-14
336	570710.6	4178319	0.55, 41783	0.57218	0.48827	242.44958	66.62286	30.3062	15.15553	4.8085E-08	2.58E-10	4.83E-08	2.04E-05	3.52E-08	2.04E-05	2.55E-06	1.60E-08	2.56E-06	1.49E-11	4.5E-11	2.61E-11	1.9E-14	4.59E-13	2.53E-14	5.03796E-13	4.834E-08	2.041E-05	2.56E-06	1.2397E-11	6.69436E-14	7.61566E-12	1.37082E-14
337	570750.6	4178319	0.55, 41783	0.67767	0.63416	262.41203	72.71034	32.8015	17.84948	5.69502E-08	3.35E-10	5.73E-08	2.21E-05	3.84E-08	2.21E-05	2.76E-06	1.73E-08	2.77E-06	1.77E-11	5.34E-11	3.09E-11	2.25E-14	5.44E-13	3E-14	5.96986E-13	5.729E-08	2.2091E-05	2.77E-06	1.46901E-11	7.93265E-14	9.02437E-12	1.62439E-14
338	570790.6	4178319	0.55, 41783	0.76041	0.85502	285.66779	86.45349	42.9347	23.67926	6.39035E-08	4.52E-10	6.44E-08	2.4E-05	4.57E-08	2.41E-05	3.61E-06	2.27E-08	3.63E-06	1.99E-11	6E-11	3.47E-11	2.53E-14	6.12E-13	3.37E-14	6.70665E-13	6.436E-08	2.4053E-05	3.63E-06	1.65031E-11	8.91168E-14	1.01381E-11	1.82486E-14
339	570830.6	4178319	0.55, 41783	0.82107	1.23378	302.59427	109.05103	45.07728	29.79255	6.90013E-08	6.52E-10	6.97E-08	2.54E-05	5.76E-08	2.55E-05	3.79E-06	2.38E-08	3.81E-06	2.15E-11	6.49E-11	3.76E-11	2.74E-14	6.62E-13	3.65E-14	7.25875E-13	6.965E-08	2.5487E-05	3.81E-06	1.78617E-11	9.6453E-14	1.09727E-11	1.97509E-14
340	570870.6	4178319	0.55, 41783	0.93174	1.8881	263.71888	150.69846	37.23183	42.82711	7.83018E-08	9.97E-10	7.93E-08	2.22E-05	7.96E-08	2.22E-05	3.13E-06	1.97E-08	3.15E-06	2.45E-11	7.39E-11	4.28E-11	3.12E-14	7.54E-13	4.16E-14	8.26399E-13	7.93E-08	2.2242E-05	3.15E-06	2.03353E-11	1.09811E-13	1.24923E-11	2.24861E-14
341	570910.6	4178319	0.55, 41783	1.19482	3.5981	225.26352	195.84246	37.31993	59.22953	1.00411E-07	1.90E-09	1.02E-07	1.89E-05	1.03E-07	1.9E-05	3.14E-06	1.97E-08	3.16E-06	3.16E-11	9.53E-11	5.52E-11	4.03E-14	9.72E-13	5.36E-14	1.06621E-12	1.023E-07	1.9034E-05	3.16E-06	2.62364E-11	1.41677E-13	1.61174E-11	2.90114E-14
342	571190.6	4178319	0.55, 41783	29.13102	9.74239	1204.46355	192.40018	337.10397	86.14095	2.44812E-06	5.14E-09	2.45E-06	0.000101	1.02E-07	0.000101	2.83E-05	1.78E-07	2.85E-05	7.57E-10	2.29E-09	1.32E-09	9.65E-13	2.33E-11	1.29E-12	2.55663E-11	2.453E-06	0.00010132	2.85E-05	6.29111E-10	3.3972E-12	3.86473E-10	6.95652E-13
343	571230.6	4178319	0.55, 41783	10.45163	5.25398	479.33008	117.37647	126.19986	44.06446	8.78337E-07	2.77E-09	8.81E-07	4.03E-05	6.20E-08	4.03E-05	1.06E-05	6.66E-08	1.07E-05	2.72E-10	8.21E-10	4.75E-10	3.47E-13	8.37E-12	4.62E-13	9.18234E-12	8.811E-07	4.0344E-05	1.07E-05	2.25951E-10	1.22013E-12	1.38805E-10	2.49849E-13
344	571270.6	4178319	0.55, 41783	5.72808	3.4301	292.22118	96.9874	63.79547	33.00222	4.81378E-07	1.81E-09	4.83E-07	2.46E-05	5.12E-08	2.46E-05	5.36E-06	3.37E-08	5.39E-06	1.49E-10	4.5E-10	2.61E-10	1.9E-13	4.59E-12	2.53E-13	5.03547E-12	4.832E-07	2.4609E-05	5.39E-06	1.23908E-10	6.69105E-13	7.61189E-11	1.37014E-13
345	571310.6	4178319	0.55, 41783	3.67711	2.43151	175.48484	83.52768	43.52526	25.92364	3.09018E-07	1.28E-09	3.1E-07	1.47E-05	4.41E-08	1.48E-05	3.66E-06	2.30E-08	3.68E-06	9.58E-11	2.89E-10	1.67E-10	1.22E-13	2.95E-12	1.63E-13	3.23376E-12	3.103E-07	1.4792E-05	3.68E-06	7.95733E-11	4.29696E-13	4.88832E-11	8.79897E-14
346	571350.6	4178319	0.55, 41783	2.57847	1.81872	135.74456	73.58424	31.86463	21.08438	2.1669E-07	9.60E-10	2.18E-07	1.14E-05	3.89E-08	1.14E-05	2.68E-06	1.68E-08	2.69E-06	6.72E-11	2.03E-10	1.17E-10	8.56E-14	2.07E-12	1.14E-13	2.26821E-12	2.177E-07	1.1447E-05	2.69E-06	5.5814E-11	3.01395E-13	3.42874E-11	6.17174E-14
347	571390.6	4178319	0.55, 41783	1.91038	1.41202	114.67965	65.84745	24.95277	17.54375	1.60545E-07	7.46E-10	1.61E-07	9.64E-06	3.48E-08	9.67E-06	2.1E-06	1.32E-08	2.11E-06	4.98E-11	1.5E-10	8.7E-11	6.35E-14	1.53E-12	8.46E-14	1.68086E-12	1.613E-07	9.6723E-06	2.11E-06	4.13611E-11	2.2335E-13	2.54088E-11	4.57359E-14
348	571430.6	4178319	0.55, 41783	1.47151	1.12853	100.57811	59.61061	20.18585	14.84739	1.23663E-07	5.96E-10	1.24E-07	8.45E-06	3.15E-08	8.48E-06	1.7E-06	1.07E-08	1.71E-06	3.83E-11	1.16E-10	6.7E-11	4.89E-14	1.18E-12	6.51E-14	1.29494E-12	1.243E-07	8.4839E-06	1.71E-06	3.18648E-11	1.7207E-13	1.95751E-11	3.52351E-14
349	571470.6	4178319	0.55, 41783	1.16585	0.92218	90.09229	54.43044	16.69193	12.71837	9.7976E-08	4.87E-10	9.85E-08	7.57E-06	2.87E-08	7.6E-06	1.4E-06	8.81E-09	1.41E-06	3.04E-11	9.17E-11	5.31E-11	3.87E-14	9.36E-13	5.16E-14	1.02611E-12	9.846E-08	7.5999E-06	1.41E-06	2.52497E-11	1.36348E-13	1.55113E-11	2.79203E-14
350	571510.6	4178319	0.55, 41783	0.94595	0.76805	81.52103	50.05282	14.06823	11.00608	7.9496E-08	4.06E-10	7.99E-08	6.85E-06	2.64E-08	6.88E-06	1.18E-06	7.43E-09	1.19E-06	2.47E-11	7.44E-11	4.31E-11	3.14E-14	7.59E-13	4.19E-14	8.3268E-13	7.99E-08	6.8773E-06	1.19E-06	2.04898E-11	1.10645E-13	1.25872E-11	2.2657E-14
351	571550.6	4178319	0.55, 41783	0.78212	0.64956	74.38547	46.28731	12.02264	9.59923	6.5728E-08	3.43E-10	6.61E-08	6.25E-06	2.44E-08	6.28E-06	1.01E-06	6.35E-09	1.02E-06	2.04E-11	6.16E-11	3.56E-11	2.6E-14	6.28E-13	3.46E-14	6.88547E-13	6.607E-08	6.2757E-06	1.02E-06	1.69431E-11	9.1493E-14	1.04085E-11	1.87352E-14
352	571590.6	4178319	0.55, 41783	0.65442	0.55508	68.29245	42.98116	10.3334	8.40789	5.49963E-08	2.93E-10	5.53E-08	5.74E-06	2.27E-08	5.76E-06	8.68E-07	5.46E-09	8.74E-07	1.71E-11	5.15E-11	2.98E-11	2.18E-14	5.25E-13	2.9E-14	5.76189E-13	5.529E-08	5.7619E-06	8.74E-07	1.41783E-11	7.6563E-14	8.70998E-12	1.5678E-14
353	570310.6	4178359	0.55, 41783	0.11229	0.07993	69.29068	26.58817	11.54845	4.0095	9.43666E-09	4.22E-11	9.48E-09	5.82E-06	1.40E-08	5.84E-06	9.71E-07	6.10E-09	9.77E-07	2.92E-12	8.83E-12	5.11E-12	3.73E-15	9.01E-14	4.97E-15	9.87823E-14	9.479E-09	5.8371E-06	9.77E-07	2.43075E-12	1.3126E-14	1.49325E-12	2.68784E-15
354	570350.6	4178359	0.55, 41783	0.12531	0.09043	75.30937	28.06345	12.55156	4.25756	1.05308E-08	4.78E-11	1.06E-08	6.33E-06	1.48E-08	6.34E-06	1.05E-06	6.63E-09	1.06E-06	3.26E-12	9.86E-12	5.71E-12	4.16E-15	1.01E-13	5.55E-15	1.10243E-13	1.058E-08	6.3437E-06	1.06E-06	2.71276E-12	1.46489E-14	1.66649E-12	2.99968E-15
355	570390.6	4178359	0.55, 41783	0.14084	0.10296	81.29058	29.71471	13.54843	4.53386	1.18359E-08	5.44E-11	1.19E-08	6.83E-06	1.57E-08	6.85E-06	1.14E-06	7.15E-09	1.15E-06	3.67E-12	1.11E-11	6.41E-12	4.68E-15	1.13E-13	6.23E-15	1.23913E-13	1.189E-08	6.8472E-06	1.15E-06	3.04913E-12	1.64653E-14	1.87313E-12	3.37164E-15
356	570430.6	4178359	0.55, 41783	0.15989	0.11858	87.11605	31.54887	14.51934	4.83992	1.34369E-08	6.26E-11	1.35E-08	7.32E-06	1.67E-08	7.34E-06	1.22E-06	7.67E-09	1.23E-06	4.17E-12	1.26E-11	7.28E-12	5.31E-15	1.28E-13	7.08E-15	1.40683E-13	1.35E-08	7.3377E-06	1.23E-06	3.46179E-12	1.86937E-14	2.12663E-12	3.82794E-15
357	570470.6	4178359	0.55, 41783	0.18374	0.13844	97.3598	33.59814	15.36354	5.1813	1.54412E-08	7.31E-11	1.55E-08	8.18E-06	1.77E-08	8.2E-06	1.29E-06	8.11E-09	1.3E-06	4.79E-12	1.45E-11	8.37E-12	6.1E-15	1.47E-13	8.13E-15	1.61679E-13	1.551E-08	8.1997E-06	1.3E-06	3.97846E-12	2.14837E-14	2.44403E-12	4.39926E-15
358	570510.6	4178359	0.55, 41783	0.21432	0.16421	118.04415	35.93263	16.48105	5.5698	1.80111E-08	8.67E-11	1.81E-08	9.92E-06	1.90E-08	9.94E-06	1.39E-06	8.70E-09	1.39E-06	5.58E-12	1.69E-11	9.76E-12	7.12E-15	1.72E-13	9.49E-15	1.88603E-13	1.81E-08	9.9392E-06	1.39E-06	4.64097E-12	2.50612E-14	2.85102E-12	5.13184E-15
359	570550.6	4178359	0.55, 41783	0.25472	0.19842	139.50155	38.63371	19.4148	6.01971	2.14062E-08	1.05E-10	2.15E-08	1.17E-05	2.04E-08	1.17E-05	1.63E-06	1.03E-08	1.64E-06	6.64E-12	2E-11	1.16E-11	8.46E-15	2.04E-13	1.13E-14	2.24173E-13	2.151E-08	1.1744E-05	1.64E-06	5.51625E-12	2.97877E-14	3.38872E-12	6.0997E-15
360	570590.6	4178359	0.55, 41783	0.30979	0.24497	159.83108	41.83842	22.23989	6.84975	2.60342E-08	1.29E-10	2.62E-08	1.34E-05	2.21E-08	1.35E-05	1.87E-06	1.17E-08	1.88E-06	8.07E-12	2.44E-11	1.41E-11	1.03E-14	2.49E-13	1.37E-14	2.72659E-13	2.616E-08	1.3454E-05	1.88E-06	6.70935E-12	3.62305E-14	4.12166E-12	7.41899E-15
361	570630.6	4178359	0.55, 41783	0.38734	0.31015	206.43147	51.05257	25.80393	8.50876	3.25514E-08	1.64E-10	3.27E-08	1.73E-05	2.70E-08	1.74E-05	2.17E-06	1.36E-08	2.18E-06	1.01E-11	3.05E-11	1.76E-11	1.29E-14	3.11E-13	1.72E-14	3.40935E-13	3.272E-08	1.7375E-05	2.18E-06	8.38942E-12	4.53029E-14	5.15376E-12	9.27677E-15
362	570670.6	4178359	0.55, 41783	0.50063	0.40488	262.98595	60.70684	32.87324	10.74505	4.20721E-08	2.14E-10	4.23E-08	2.21E-05	3.21E-08	2.21E-05	2.76E-06	1.74E-08	2.78E-06	1.3E-11	3.94E-11	2.28E-11	1.66E-14	4.02E-13	2.22E-14	4.40675E-13	4.229E-08	2.2133E-05	2.78E-06	1.08437E-11	5.85561E-14	6.66148E-12	1.19907E-14
363	570710.6	4178359	0.55, 41783	0.66972	0.54814	304.17814	72.14807	38.02227	15.71205	5.62821E-08	2.89E-10	5.66E-08	2.56E-05	3.81E-08	2.56E-05	3.2E-06	2.01E-08	3.22E-06	1.75E-11	5.27E-11	3.05E-11	2.23E-14	5.38E-13	2.97E-14	5.8955E-13	5.657E-08	2.5601E-05	3.22E-06	1.45071E-11	7.83385E-14	8.91196E-12	1.60415E-14
364	570750.6	4178359	0.55, 41783	0.90523	0.76876	339.35657	85.82023	44.72327	21.31802	7.6074E-08	4.06E-10	7.65E-08	2.85E-05	4.53E-08	2.86E-05	3.76E-06	2.36E-08	3.78E-06	2.36E-11	7.13E-11	4.13E-11	3.01E-14	7.27E-13	4.01E-14	7.97022E-13	7.648E-08	2.8564E-05	3.78E-06	1.96124E-11	1.05907E-13	1.20482E-11	2.16868E-14
365	570790.6	4178359	0.55, 41783	1.13154	1.06104	377.53193	96.31599	54.94081	27.90141	9.50927E-08	5.60E-10	9.57E-08	3.17E-05	5.09E-08	3.18E-05	4.62E-06	2.90E-08	4.65E-06	2.95E-11	8.91E-11	5.16E-11	3.76E-14	9.09E-13	5.01E-14	9.9683E-13	9.565E-08	3.1778E-05	4.65E-06	2.45291E-11	1.32457E-13	1.50686E-11	2.71235E-14
366	570830.6	4178359	0.55, 41783	1.33226	1.74963	411.58415	139.14147	69.46909	37.35577	1.11961E-07	9.24E-10	1.13E-07	3.46E-05	7.35E-08	3.47E-05	5.84E-06	3.67E-08	5.87E-06	3.48E-11	1.05E-10	6.09E-11	4.44E-14	1.07E-12	5.92E-14	1.17641E-12	1.129E-07	3.4662E-05	5.87E-06	2.8948E-11	1.56319E-13	1.77832E-11	3.20098E-14
367	570870.6	4178359	0.55, 41783	1.45984	3.38436	346.78431	184.49712	52.43952	61.49528	1.22682E-07	1.79E-09	1.24E-07	2.91E-05	9.74E-08	2.92E-05	4.41E-06	2.77E-08	4.43E-06	3.84E-11	1.16E-10	6.71E-11	4.9E-14	1.18E-12	6.53E-14	1.29714E-12	1.245E-07	2.9241E-05	4.43E-06	3.19188E-11	1.72362E-13	1.96082E-11	3.52948E-14
368	571150.6	4178359	0.55, 41783	17.36196	17.82412	1537.79423	258.8776	350.34789	128.93656	1.45907E-06	9.41E-09	1.47E-06	0.000129	1.37E-07	0.000129	2.94E-05	1.85E-07	2.96E-05	4.53E-10	1.37E-09	7.92E-10	5.78E-13	1.4E-11	7.7E-13	1.53035E-11	1.468E-06	0.00012937	2.96E-05	3.76575E-10	2.03351E-12	2.31336E-10	4.16405E-13
369	571190.6	4178359	0.55, 41783	10.35157	8.16971	590.93034	162.31709	161.82999	76.08872	8.69928E-07	4.31E-09	8.74E-07	4.97E-05	8.57E-08	4.97E-05	1.36E-05	8.55E-08	1.37E-05	2.7E-10	8.15E-10	4.72E-10	3.44E-13	8.31E-12	4.58E-13	9.11076E-12	8.742E-07	4.9746E-05	1.37E-05	2.24189E-10	1.21062E-12	1.37723E-10	2.47902E-13
370	571230.6	4178359	0.55, 41783	6.41954	4.85697	429.96716	118.18476	103.83364	47.29307	5.39487E-07	2.56E-09	5.42E-07	3.61E-05	6.24E-08	3.62E-05	8.73E-06	5.48E-08	8.78E-06	1.67E-10	5.05E-10	2.92E-10	2.13E-13	5.15E-12	2.84E-13	5.6489E-12	5.421E-07	3.6196E-05	8.78E-06	1.39003E-10	7.50616E-13	8.53917E-11	1.53705E-13
371	571270.6	4178359	0.55, 41783	4.24607	3.28764	330.34534	97.41521	71.25122	30.79427	3.56832E-07	1.74E-09	3.59E-07	2.78E-05	5.14E-08	2.78E-05	5.99E-06	3.76E-08	6.03E-06	1.11E-10	3.34E-10	1.93E-10	1.41E-13	3.41E-12	1.88E-13	3.73676E-12	3.586E-07	2.7813E-05	6.03E-06	9.19507E-11	4.96534E-13	5.64868E-11	1.01676E-13
372	571310.6	4178359	0.55, 41783	3.01802	2.39332	280.32399	84.30249	47.38187	23.6076	2.53629E-07	1.26E-09	2.55E-07	2.36E-05	4.45E-08	2.36E-05	3.98E-06	2.50E-08	4.01E-06	7.87E-11	2.37E-10	1.37E-10	1E-13	2.42E-12	1.34E-13	2.65632E-12	2.549E-07	2.3602E-05	4.01E-06	6.53644E-11	3.52968E-13	4.01544E-11	7.22779E-14
373	571350.6	4178359	0.55, 41783	2.25439	1.82521	223.1696	75.03337	32.74083	19.24184	1.89455E-07	9.64E-10	1.9E-07	1.88E-05	3.96E-08	1.88E-05	2.75E-06	1.73E-08	2.77E-06	5.88E-11	1.77E-10	1.03E-10	7.49E-14	1.81E-12	9.98E-14	1.98442E-12	1.904E-07	1.8794E-05	2.77E-06	4.88307E-11	2.63686E-13	2.99975E-11	5.39955E-14
374	571390.6	4178359	0.55, 41783	1.7395	1.43625	164.0034	68.00709	25.39154	16.17569	1.46185E-07	7.58E-10	1.47E-07	1.38E-05	3.59E-08	1.38E-05	2.13E-06	1.34E-08	2.15E-06	4.53E-11	1.37E-10	7.93E-11	5.78E-14	1.4E-12	7.7E-14	1.53134E-12	1.469E-07	1.3818E-05	2.15E-06	3.76818E-11	2.03482E-13	2.31486E-11	4.16674E-14
375	571430.6	4178359	0.55, 41783	1.37666	1.15767	113.66708	62.41604	21.33563	13.79366	1.15692E-07	6.11E-10	1.16E-07	9.55E-06	3.30E-08	9.59E-06	1.79E-06	1.13E-08	1.8E-06	3.59E-11	1.08E-10	6.27E-11	4.58E-14	1.11E-12	6.1E-14	1.21204E-12	1.163E-07	9.5853E-06	1.8E-06	2.98247E-11	1.61053E-13	1.83218E-11	3.29792E-14
376	571470.6	4178359	0.55, 41783	1.11313	0.95193	91.64258	57.80687	17.74486	11.89568	9.35455E-08	5.03E-10	9.4E-08	7.7E-06	3.05E-08	7.73E-06	1.49E-06	9.37E-09	1.5E-06	2.9E-11	8.76E-11	5.07E-11	3.7E-14	8.94E-13	4.93E-14	9.80107E-13	9.405E-08	7.732E-06	1.5E-06	2.41176E-11	1.30235E-13	1.48158E-11	2.66685E-14
377	571510.6	4178359	0.55, 41783	0.9166	0.79605	82.11168	53.90312	14.64829	10.35284	7.70295E-08	4.20E-10	7.74E-08	6.9E-06	2.85E-08	6.93E-06	1.23E-06	7.74E-09	1.24E-06	2.39E-11	7.22E-11	4.18E-11	3.05E-14	7.36E-13	4.06E-14	8.0713E-13	7.745E-08	6.929E-06	1.24E-06	1.98611E-11	1.0725E-13	1.2201E-11	2.19618E-14
378	571550.6	4178359	0.55, 41783	0.76622	0.67498	72.9064	50.52239	12.13868	9.07968	6.43918E-08	3.56E-10	6.47E-08	6.13E-06	2.67E-08	6.15E-06	1.02E-06	6.41E-09	1.03E-06	2E-11	6.03E-11	3.49E-11	2.55E-14	6.15E-13	3.39E-14	6.74762E-13	6.475E-08	6.1536E-06	1.03E-06	1.66039E-11	8.96613E-14	1.02001E-11	1.83601E-14
379	571590.6	4178359	0.55, 41783	0.64386	0.57575	65.94968	47.48497	10.99161	8.00686	5.41089E-08	3.04E-10	5.44E-08	5.54E-06	2.51E-08	5.57E-06	9.24E-07	5.80E-09	9.3E-07	1.68E-11	5.07E-11	2.93E-11	2.14E-14	5.17E-13	2.85E-14	5.67054E-13	5.441E-08	5.5674E-06	9.3E-07	1.39536E-11	7.53492E-14	8.5719E-12	1.54294E-14
380	570310.6	4178399	0.55, 41783	0.11287	0.08031	71.34246	27.87564	11.89041	3.82503	9.4854E-09	4.24E-11	9.53E-09	6E-06	1.47E-08	6.01E-06	9.99E-07	6.28E-09	1.01E-06	2.94E-12	8.88E-12	5.14E-12	3.75E-15	9.05E-14	5E-15	9.92923E-14	9.528E-09	6.0102E-06	1.01E-06	2.4433E-12	1.31938E-14	1.50096E-12	2.70172E-15
381	570350.6	4178399	0.55, 41783	0.12665	0.09175	75.96419	29.57043	12.46202	4.12173	1.06434E-08	4.85E-11	1.07E-08	6.38E-06	1.56E-08	6.4E-06	1.05E-06	6.58E-09	1.05E-06	3.3E-12	9.96E-12	5.77E-12	4.21E-15	1.02E-13	5.61E-15	1.11424E-13	1.069E-08	6.3995E-06	1.05E-06	2.74181E-12	1.48058E-14	1.68434E-12	3.03181E-15
382	570390.6	4178399	0.55, 41783	0.1425	0.10434	83.29233	31.439	13.04897	4.44958	1.19755E-08	5.51E-11	1.2E-08	7E-06	1.66E-08	7.02E-06	1.1E-06	6.89E-09	1.1E-06	3.71E-12	1.12E-11	6.49E-12	4.73E-15	1.14E-13	6.31E-15	1.25374E-13	1.203E-08	7.0163E-06	1.1E-06	3.0851E-12	1.66595E-14	1.89522E-12	3.4114E-15
383	570430.6	4178399	0.55, 41783	0.16211	0.12032	91.32735	33.521	14.59534	4.81492	1.36234E-08	6.35E-11	1.37E-08	7.67E-06	1.77E-08	7.69E-06	1.23E-06	7.71E-09	1.23E-06	4.22E-12	1.28E-11	7.38E-12	5.39E-15	1.3E-13	7.18E-15	1.42636E-13	1.369E-08	7.6927E-06	1.23E-06	3.50987E-12	1.89533E-14	2.15617E-12	3.8811E-15
384	570470.6	4178399	0.55, 41783	0.18668	0.14051	100.43451	35.89015	16.57018	5.22899	1.56883E-08	7.42E-11	1.58E-08	8.44E-06	1.90E-08	8.46E-06	1.39E-06	8.75E-09	1.4E-06	4.86E-12	1.47E-11	8.5E-12	6.2E-15	1.5E-13	8.26E-15	1.64266E-13	1.576E-08	8.4593E-06	1.4E-06	4.0421E-12	2.18273E-14	2.48313E-12	4.46963E-15
385	570510.6	4178399	0.55, 41783	0.21834	0.16684	112.76596	38.62084	18.79433	5.70408	1.83489E-08	8.81E-11	1.84E-08	9.48E-06	2.04E-08	9.5E-06	1.58E-06	9.93E-09	1.59E-06	5.69E-12	1.72E-11	9.94E-12	7.25E-15	1.75E-13	9.67E-15	1.92138E-13	1.844E-08	9.4971E-06	1.59E-06	4.72796E-12	2.5531E-14	2.90446E-12	5.22803E-15
386	570550.6	4178399	0.55, 41783	0.26039	0.20212	127.75395	41.82578	21.29232	6.25899	2.18827E-08	1.07E-10	2.2E-08	1.07E-05	2.21E-08	1.08E-05	1.79E-06	1.12E-08	1.8E-06	6.79E-12	2.05E-11	1.19E-11	8.65E-15	2.09E-13	1.15E-14	2.29159E-13	2.199E-08	1.0758E-05	1.8E-06	5.63894E-12	3.04503E-14	3.46409E-12	6.23537E-15
387	570590.6	4178399	0.55, 41783	0.3185	0.25095	144.10526	45.67081	24.01754	7.17597	2.67662E-08	1.33E-10	2.69E-08	1.21E-05	2.41E-08	1.21E-05	2.02E-06	1.27E-08	2.03E-06	8.3E-12	2.51E-11	1.45E-11	1.06E-14	2.56E-13	1.41E-14	2.8032E-13	2.69E-08	1.2134E-05	2.03E-06	6.89786E-12	3.72485E-14	4.23747E-12	7.62744E-15
388	570630.6	4178399	0.55, 41783	0.40291	0.32135	177.65061	50.39519	27.05917	8.74903	3.38599E-08	1.70E-10	3.4E-08	1.49E-05	2.66E-08	1.5E-05	2.27E-06	1.43E-08	2.29E-06	1.05E-11	3.17E-11	1.84E-11	1.34E-14	3.23E-13	1.78E-14	3.54633E-13	3.403E-08	1.4956E-05	2.29E-06	8.72648E-12	4.7123E-14	5.36082E-12	9.64948E-15
389	570670.6	4178399	0.55, 41783	0.53348	0.4284	224.79663	56.41372	32.60934	10.76331	4.48327E-08	2.26E-10	4.51E-08	1.89E-05	2.98E-08	1.89E-05	2.74E-06	1.72E-08	2.76E-06	1.39E-11	4.2E-11	2.43E-11	1.77E-14	4.28E-13	2.36E-14	4.69574E-13	4.506E-08	1.8921E-05	2.76E-06	1.15548E-11	6.23962E-14	7.09833E-12	1.2777E-14
390	570710.6	4178399	0.55, 41783	0.75271	0.60288	297.96202	70.92072	41.13122	14.0152	6.32564E-08	3.18E-10	6.36E-08	2.5E-05	3.75E-08	2.51E-05	3.46E-06	2.17E-08	3.48E-06	1.96E-11	5.92E-11	3.43E-11	2.5E-14	6.04E-13	3.33E-14	6.62533E-13	6.357E-08	2.5078E-05	3.48E-06	1.6303E-11	8.80363E-14	1.00152E-11	1.80274E-14
391	570750.6	4178399	0.55, 41783	1.15447	0.90762	416.42427	90.04322	52.05303	22.1169	9.70197E-08	4.79E-10	9.75E-08	3.5E-05	4.76E-08	3.5E-05	4.37E-06	2.75E-08	4.4E-06	3.01E-11	9.08E-11	5.26E-11	3.84E-14	9.27E-13	5.11E-14	1.01607E-12	9.75E-08	3.5043E-05	4.4E-06	2.50025E-11	1.35013E-13	1.53594E-11	2.7647E-14
392	570790.6	4178399	0.55, 41783	1.70092	1.35462	632.44551	121.09647	79.05569	31.00919	1.42942E-07	7.15E-10	1.44E-07	5.31E-05	6.40E-08	5.32E-05	6.64E-06	4.17E-08	6.69E-06	4.43E-11	1.34E-10	7.75E-11	5.65E-14	1.37E-12	7.53E-14	1.4971E-12	1.437E-07	5.3214E-05	6.69E-06	3.68394E-11	1.98933E-13	2.2631E-11	4.07358E-14
393	570830.6	4178399	0.55, 41783	3.46088	2.976	854.46592	185.76652	157.19416	64.23703	2.90846E-07	1.57E-09	2.92E-07	7.18E-05	9.81E-08	7.19E-05	1.32E-05	8.30E-08	1.33E-05	9.02E-11	2.72E-10	1.58E-10	1.15E-13	2.78E-12	1.53E-13	3.04738E-12	2.924E-07	7.1906E-05	1.33E-05	7.49872E-11	4.04931E-13	4.60658E-11	8.29185E-14
394	571110.6	4178399	0.55, 41783	4.7766	17.70794	386.44752	237.89657	91.74551	117.26543	4.01417E-07	9.35E-09	4.11E-07	3.25E-05	1.26E-07	3.26E-05	7.71E-06	4.85E-08	7.76E-06	1.27E-10	3.83E-10	2.22E-10	1.62E-13	3.9E-12	2.15E-13	4.28075E-12	4.108E-07	3.2602E-05	7.76E-06	1.05337E-10	5.68819E-13	6.47101E-11	1.16478E-13
395	571150.6	4178399	0.55, 41783	4.75682	9.04164	493.27775	194.83019	91.47407	80.27894	3.99755E-07	4.77E-09	4.05E-07	4.15E-05	1.03E-07	4.16E-05	7.69E-06	4.83E-08	7.74E-06	1.25E-10	3.77E-10	2.18E-10	1.59E-13	3.84E-12	2.12E-13	4.21573E-12	4.045E-07	4.1557E-05	7.74E-06	1.03737E-10	5.60179E-13	6.37273E-11	1.14709E-13
396	571190.6	4178399	0.55, 41783	4.13591	5.67532	541.83424	159.29594	82.25115	55.55038	3.47575E-07	3.00E-09	3.51E-07	4.55E-05	8.41E-08	4.56E-05	6.91E-06	4.34E-08	6.96E-06	1.08E-10	3.27E-10	1.89E-10	1.38E-13	3.33E-12	1.84E-13	3.65342E-12	3.506E-07	4.5619E-05	6.96E-06	8.99001E-11	4.8546E-13	5.52271E-11	9.94087E-14
397	571230.6	4178399	0.55, 41783	3.34043	3.91116	419.25179	113.41297	67.92735	42.50701	2.80724E-07	2.07E-09	2.83E-07	3.52E-05	5.99E-08	3.53E-05	5.71E-06	3.59E-08	5.74E-06	8.73E-11	2.63E-10	1.53E-10	1.11E-13	2.69E-12	1.48E-13	2.94704E-12	2.828E-07	3.5293E-05	5.74E-06	7.2518E-11	3.91597E-13	4.4549E-11	8.01882E-14
398	571270.6	4178399	0.55, 41783	2.69096	2.84934	276.99568	96.24025	46.4546	32.10306	2.26144E-07	1.50E-09	2.28E-07	2.33E-05	5.08E-08	2.33E-05	3.9E-06	2.45E-08	3.93E-06	7.02E-11	2.12E-10	1.23E-10	8.96E-14	2.16E-12	1.19E-13	2.3724E-12	2.276E-07	2.3329E-05	3.93E-06	5.83778E-11	3.1524E-13	3.58624E-11	6.45523E-14
399	571310.6	4178399	0.55, 41783	2.15304	2.16763	240.01182	84.08056	39.08125	24.00367	1.80938E-07	1.14E-09	1.82E-07	2.02E-05	4.44E-08	2.02E-05	3.28E-06	2.06E-08	3.3E-06	5.62E-11	1.7E-10	9.82E-11	7.16E-14	1.73E-12	9.55E-14	1.89754E-12	1.821E-07	2.0215E-05	3.3E-06	4.66929E-11	2.52142E-13	2.86842E-11	5.16316E-14
400	571350.6	4178399	0.55, 41783	1.74135	1.70512	224.12525	73.73672	31.06226	18.34101	1.4634E-07	9.00E-10	1.47E-07	1.88E-05	3.89E-08	1.89E-05	2.61E-06	1.64E-08	2.63E-06	4.54E-11	1.37E-10	7.94E-11	5.79E-14	1.4E-12	7.72E-14	1.53444E-12	1.472E-07	1.8874E-05	2.63E-06	3.77581E-11	2.03894E-13	2.31954E-11	4.17518E-14
401	571390.6	4178399	0.55, 41783	1.43215	1.37481	207.21833	64.01827	26.21992	15.02288	1.20355E-07	7.26E-10	1.21E-07	1.74E-05	3.38E-08	1.74E-05	2.2E-06	1.38E-08	2.22E-06	3.74E-11	1.13E-10	6.53E-11	4.76E-14	1.15E-12	6.35E-14	1.26183E-12	1.211E-07	1.7448E-05	2.22E-06	3.10499E-11	1.6767E-13	1.90745E-11	3.4334E-14
402	571430.6	4178399	0.55, 41783	1.19016	1.12906	179.9524	59.14274	22.49405	12.88734	1.00019E-07	5.96E-10	1.01E-07	1.51E-05	3.12E-08	1.52E-05	1.89E-06	1.19E-08	1.9E-06	3.1E-11	9.37E-11	5.43E-11	3.96E-14	9.56E-13	5.27E-14	1.04854E-12	1.006E-07	1.5154E-05	1.9E-06	2.58016E-11	1.39329E-13	1.58503E-11	2.85306E-14
403	571470.6	4178399	0.55, 41783	0.9966	0.93995	146.8642	55.47011	18.35802	11.23121	8.37525E-08	4.96E-10	8.42E-08	1.23E-05	2.93E-08	1.24E-05	1.54E-06	9.69E-09	1.55E-06	2.6E-11	7.85E-11	4.54E-11	3.31E-14	8.01E-13	4.42E-14	8.77985E-13	8.425E-08	1.2372E-05	1.55E-06	2.16047E-11	1.16665E-13	1.32721E-11	2.38898E-14
404	571510.6	4178399	0.55, 41783	0.8441	0.79417	113.63796	52.27286	14.20474	9.85599	7.09367E-08	4.19E-10	7.14E-08	9.55E-06	2.76E-08	9.58E-06	1.19E-06	7.50E-09	1.2E-06	2.2E-11	6.65E-11	3.85E-11	2.81E-14	6.78E-13	3.74E-14	7.43625E-13	7.136E-08	9.5775E-06	1.2E-06	1.82984E-11	9.88116E-14	1.1241E-11	2.02339E-14
405	571550.6	4178399	0.55, 41783	0.71988	0.67749	84.04695	49.45688	12.59546	8.65245	6.04975E-08	3.58E-10	6.09E-08	7.06E-06	2.61E-08	7.09E-06	1.06E-06	6.65E-09	1.07E-06	1.88E-11	5.67E-11	3.28E-11	2.39E-14	5.78E-13	3.19E-14	6.34192E-13	6.086E-08	7.0893E-06	1.07E-06	1.56056E-11	8.42703E-14	9.58679E-12	1.72562E-14
406	571590.6	4178399	0.55, 41783	0.61846	0.58359	61.25343	46.95039	11.31778	7.65227	5.19743E-08	3.08E-10	5.23E-08	5.15E-06	2.48E-08	5.17E-06	9.51E-07	5.98E-09	9.57E-07	1.61E-11	4.87E-11	2.82E-11	2.06E-14	4.97E-13	2.74E-14	5.44853E-13	5.228E-08	5.1724E-06	9.57E-07	1.34072E-11	7.23991E-14	8.23628E-12	1.48253E-14
407	570310.6	4178439	0.55, 41784	0.11265	0.08111	78.47962	27.91467	13.07994	3.48933	9.46691E-09	4.28E-11	9.51E-09	6.6E-06	1.47E-08	6.61E-06	1.1E-06	6.91E-09	1.11E-06	2.93E-12	8.86E-12	5.13E-12	3.74E-15	9.04E-14	4.99E-15	9.91041E-14	9.51E-09	6.61E-06	1.11E-06	2.43866E-12	1.31688E-14	1.49811E-12	2.6966E-15
408	570350.6	4178439	0.55, 41784	0.12585	0.09139	84.54471	29.62734	14.09078	3.70342	1.05762E-08	4.83E-11	1.06E-08	7.1E-06	1.56E-08	7.12E-06	1.18E-06	7.44E-09	1.19E-06	3.28E-12	9.9E-12	5.73E-12	4.18E-15	1.01E-13	5.57E-15	1.10721E-13	1.062E-08	7.1206E-06	1.19E-06	2.72452E-12	1.47124E-14	1.67372E-12	3.01269E-15
409	570390.6	4178439	0.55, 41784	0.14252	0.10489	91.50908	31.67143	15.25151	4.06451	1.19771E-08	5.54E-11	1.2E-08	7.69E-06	1.67E-08	7.71E-06	1.28E-06	8.05E-09	1.29E-06	3.71E-12	1.12E-11	6.49E-12	4.73E-15	1.14E-13	6.31E-15	1.25395E-13	1.203E-08	7.707E-06	1.29E-06	3.0856E-12	1.66622E-14	1.89553E-12	3.41196E-15
410	570430.6	4178439	0.55, 41784	0.16313	0.12204	99.54775	33.93845	16.59129	4.47421	1.37092E-08	6.44E-11	1.38E-08	8.37E-06	1.79E-08	8.38E-06	1.39E-06	8.76E-09	1.4E-06	4.25E-12	1.28E-11	7.43E-12	5.42E-15	1.31E-13	7.22E-15	1.43539E-13	1.377E-08	8.3837E-06	1.4E-06	3.53208E-12	1.90732E-14	2.16982E-12	3.90567E-15
411	570470.6	4178439	0.55, 41784	0.18858	0.14267	108.92524	36.54882	18.15421	4.93599	1.58479E-08	7.53E-11	1.59E-08	9.15E-06	1.93E-08	9.17E-06	1.53E-06	9.59E-09	1.54E-06	4.91E-12	1.48E-11	8.59E-12	6.26E-15	1.51E-13	8.35E-15	1.65942E-13	1.592E-08	9.1732E-06	1.54E-06	4.08334E-12	2.205E-14	2.50846E-12	4.51523E-15
412	570510.6	4178439	0.55, 41784	0.22167	0.16966	120.34611	39.98702	20.05769	5.68986	1.86288E-08	8.96E-11	1.87E-08	1.01E-05	2.11E-08	1.01E-05	1.69E-06	1.06E-08	1.7E-06	5.78E-12	1.74E-11	1.01E-11	7.36E-15	1.78E-13	9.81E-15	1.9507E-13	1.872E-08	1.0135E-05	1.7E-06	4.80011E-12	2.59206E-14	2.94878E-12	5.30781E-15
413	570550.6	4178439	0.55, 41784	0.2658	0.20594	134.27176	44.24032	22.37863	6.83821	2.23374E-08	1.09E-10	2.24E-08	1.13E-05	2.34E-08	1.13E-05	1.88E-06	1.18E-08	1.89E-06	6.93E-12	2.09E-11	1.21E-11	8.83E-15	2.13E-13	1.18E-14	2.33918E-13	2.245E-08	1.1307E-05	1.89E-06	5.75605E-12	3.10827E-14	3.53603E-12	6.36486E-15
414	570590.6	4178439	0.55, 41784	0.3272	0.25654	151.91315	49.32778	25.31886	8.30482	2.74973E-08	1.35E-10	2.76E-08	1.28E-05	2.60E-08	1.28E-05	2.13E-06	1.34E-08	2.14E-06	8.53E-12	2.57E-11	1.49E-11	1.09E-14	2.63E-13	1.45E-14	2.8797E-13	2.763E-08	1.2793E-05	2.14E-06	7.08611E-12	3.8265E-14	4.35311E-12	7.8356E-15
415	570630.6	4178439	0.55, 41784	0.41735	0.33056	175.42083	55.6235	29.2368	10.21264	3.50734E-08	1.75E-10	3.52E-08	1.47E-05	2.94E-08	1.48E-05	2.46E-06	1.54E-08	2.47E-06	1.09E-11	3.28E-11	1.9E-11	1.39E-14	3.35E-13	1.85E-14	3.6733E-13	3.525E-08	1.4771E-05	2.47E-06	9.03892E-12	4.88102E-14	5.55276E-12	9.99496E-15
416	570670.6	4178439	0.55, 41784	0.56024	0.44648	208.37177	63.80907	34.72863	12.75328	4.70816E-08	2.36E-10	4.73E-08	1.75E-05	3.37E-08	1.75E-05	2.92E-06	1.83E-08	2.94E-06	1.46E-11	4.41E-11	2.55E-11	1.86E-14	4.5E-13	2.48E-14	4.9311E-13	4.732E-08	1.7545E-05	2.94E-06	1.2134E-11	6.55236E-14	7.45411E-12	1.34174E-14
417	570710.6	4178439	0.55, 41784	0.81434	0.64609	258.28683	75.2647	43.04781	16.40047	6.84357E-08	3.41E-10	6.88E-08	2.17E-05	3.97E-08	2.17E-05	3.62E-06	2.27E-08	3.64E-06	2.12E-11	6.41E-11	3.71E-11	2.71E-14	6.54E-13	3.61E-14	7.16746E-13	6.878E-08	2.1746E-05	3.64E-06	1.7637E-11	9.524E-14	1.08347E-11	1.95025E-14
418	570750.6	4178439	0.55, 41784	1.35572	1.03003	343.9155	93.10334	57.16949	22.25077	1.13932E-07	5.44E-10	1.14E-07	2.89E-05	4.92E-08	2.9E-05	4.8E-06	3.02E-08	4.83E-06	3.53E-11	1.07E-10	6.17E-11	4.5E-14	1.09E-12	6E-14	1.19299E-12	1.145E-07	2.8951E-05	4.83E-06	2.93561E-11	1.58523E-13	1.80339E-11	3.24611E-14
419	570790.6	4178439	0.55, 41784	3.18264	2.0617	571.47263	129.70009	95.66015	38.79176	2.67464E-07	1.09E-09	2.69E-07	4.8E-05	6.85E-08	4.81E-05	8.04E-06	5.05E-08	8.09E-06	8.29E-11	2.5E-10	1.45E-10	1.06E-13	2.55E-12	1.41E-13	2.79867E-12	2.686E-07	4.8094E-05	8.09E-06	6.88671E-11	3.71882E-13	4.23062E-11	7.61511E-14
420	571070.6	4178439	0.55, 41784	4.74443	12.25677	251.71558	235.3671	48.15254	87.29167	3.98714E-07	6.47E-09	4.05E-07	2.12E-05	1.24E-07	2.13E-05	4.05E-06	2.54E-08	4.07E-06	1.25E-10	3.78E-10	2.19E-10	1.59E-13	3.85E-12	2.12E-13	4.22258E-12	4.052E-07	2.1278E-05	4.07E-06	1.03905E-10	5.61089E-13	6.38307E-11	1.14895E-13
421	571110.6	4178439	0.55, 41784	3.89854	10.39914	292.37938	213.76959	54.55193	96.69541	3.27627E-07	5.49E-09	3.33E-07	2.46E-05	1.13E-07	2.47E-05	4.58E-06	2.88E-08	4.61E-06	1.03E-10	3.1E-10	1.8E-10	1.31E-13	3.17E-12	1.75E-13	3.47153E-12	3.331E-07	2.4684E-05	4.61E-06	8.54243E-11	4.61291E-13	5.24775E-11	9.44596E-14
422	571150.6	4178439	0.55, 41784	3.24566	6.14355	299.25996	151.74182	53.26943	58.88405	2.7276E-07	3.24E-09	2.76E-07	2.51E-05	8.01E-08	2.52E-05	4.48E-06	2.81E-08	4.5E-06	8.52E-11	2.57E-10	1.49E-10	1.09E-13	2.62E-12	1.45E-13	2.87633E-12	2.76E-07	2.5229E-05	4.5E-06	7.0778E-11	3.82201E-13	4.34801E-11	7.82641E-14
423	571190.6	4178439	0.55, 41784	2.68652	4.20662	319.22111	114.25705	45.60302	42.68486	2.2577E-07	2.22E-09	2.28E-07	2.68E-05	6.03E-08	2.69E-05	3.83E-06	2.41E-08	3.86E-06	7.04E-11	2.12E-10	1.23E-10	8.97E-14	2.17E-12	1.2E-13	2.37598E-12	2.28E-07	2.6887E-05	3.86E-06	5.84659E-11	3.15716E-13	3.59165E-11	6.46498E-14
424	571230.6	4178439	0.55, 41784	2.2851	3.10379	355.31137	114.374	48.25343	33.87475	1.92036E-07	1.64E-09	1.94E-07	2.99E-05	6.04E-08	2.99E-05	4.06E-06	2.55E-08	4.08E-06	5.98E-11	1.8E-10	1.04E-10	7.62E-14	1.84E-12	1.02E-13	2.01835E-12	1.937E-07	2.992E-05	4.08E-06	4.96657E-11	2.68195E-13	3.05104E-11	5.49188E-14
425	571270.6	4178439	0.55, 41784	1.91581	2.39067	281.61312	92.35093	43.32371	28.45229	1.61001E-07	1.26E-09	1.62E-07	2.37E-05	4.88E-08	2.37E-05	3.64E-06	2.29E-08	3.66E-06	5.01E-11	1.51E-10	8.75E-11	6.38E-14	1.54E-12	8.51E-14	1.691E-12	1.623E-07	2.3715E-05	3.66E-06	4.16107E-11	2.24698E-13	2.55621E-11	4.60118E-14
426	571310.6	4178439	0.55, 41784	1.62017	1.88774	249.98498	75.512	38.72011	23.46838	1.36156E-07	9.97E-10	1.37E-07	2.1E-05	3.99E-08	2.1E-05	3.25E-06	2.04E-08	3.27E-06	4.23E-11	1.28E-10	7.4E-11	5.4E-14	1.3E-12	7.19E-14	1.42932E-12	1.372E-07	2.1048E-05	3.27E-06	3.51713E-11	1.89925E-13	2.16063E-11	3.88914E-14
427	571350.6	4178439	0.55, 41784	1.36969	1.52492	207.90528	71.02603	31.99215	18.96422	1.15106E-07	8.05E-10	1.16E-07	1.75E-05	3.75E-08	1.75E-05	2.69E-06	1.69E-08	2.71E-06	3.58E-11	1.08E-10	6.25E-11	4.56E-14	1.1E-12	6.08E-14	1.20795E-12	1.159E-07	1.751E-05	2.71E-06	2.97242E-11	1.60511E-13	1.82601E-11	3.28681E-14
428	571390.6	4178439	0.55, 41784	1.16602	1.25794	137.82846	66.02867	21.56098	15.29437	9.79903E-08	6.64E-10	9.87E-08	1.16E-05	3.49E-08	1.16E-05	1.81E-06	1.14E-08	1.82E-06	3.04E-11	9.19E-11	5.32E-11	3.88E-14	9.38E-13	5.17E-14	1.02811E-12	9.865E-08	1.1618E-05	1.82E-06	2.52988E-11	1.36614E-13	1.55415E-11	2.79747E-14
429	571430.6	4178439	0.55, 41784	1.00225	1.05165	150.81052	60.59063	19.07395	12.70811	8.42274E-08	5.55E-10	8.48E-08	1.27E-05	3.20E-08	1.27E-05	1.6E-06	1.01E-08	1.61E-06	2.62E-11	7.9E-11	4.57E-11	3.34E-14	8.06E-13	4.44E-14	8.83548E-13	8.478E-08	1.2706E-05	1.61E-06	2.17415E-11	1.17404E-13	1.33562E-11	2.40411E-14
430	571470.6	4178439	0.55, 41784	0.86528	0.88825	153.64691	54.59461	19.20586	10.6849	7.27166E-08	4.69E-10	7.32E-08	1.29E-05	2.88E-08	1.29E-05	1.61E-06	1.01E-08	1.62E-06	2.26E-11	6.82E-11	3.95E-11	2.88E-14	6.96E-13	3.84E-14	7.62692E-13	7.319E-08	1.2941E-05	1.62E-06	1.87676E-11	1.01345E-13	1.15293E-11	2.07527E-14
431	571510.6	4178439	0.55, 41784	0.75493	0.76151	144.52703	49.13224	18.06588	9.74189	6.3443E-08	4.02E-10	6.38E-08	1.21E-05	2.59E-08	1.22E-05	1.52E-06	9.54E-09	1.53E-06	1.97E-11	5.95E-11	3.44E-11	2.51E-14	6.07E-13	3.35E-14	6.65351E-13	6.385E-08	1.2172E-05	1.53E-06	1.63723E-11	8.84107E-14	1.00578E-11	1.8104E-14
432	571550.6	4178439	0.55, 41784	0.65913	0.65716	127.58758	46.59598	15.94845	8.8858	5.53921E-08	3.47E-10	5.57E-08	1.07E-05	2.46E-08	1.07E-05	1.34E-06	8.42E-09	1.35E-06	1.72E-11	5.19E-11	3.01E-11	2.19E-14	5.3E-13	2.92E-14	5.80876E-13	5.574E-08	1.0747E-05	1.35E-06	1.42937E-11	7.71858E-14	8.78083E-12	1.58055E-14
433	571590.6	4178439	0.55, 41784	0.57626	0.57045	106.82976	44.35137	13.35372	8.08009	4.84279E-08	3.01E-10	4.87E-08	8.98E-06	2.34E-08	9E-06	1.12E-06	7.05E-09	1.13E-06	1.5E-11	4.54E-11	2.63E-11	1.92E-14	4.63E-13	2.55E-14	5.07822E-13	4.873E-08	9.0012E-06	1.13E-06	1.2496E-11	6.74785E-14	7.67651E-12	1.38177E-14
434	570310.6	4178479	0.55, 41784	0.1113	0.08183	74.58423	29.47815	11.80727	4.00274	9.35346E-09	4.32E-11	9.4E-09	6.27E-06	1.56E-08	6.28E-06	9.92E-07	6.24E-09	9.98E-07	2.9E-12	8.76E-12	5.07E-12	3.7E-15	8.93E-14	4.93E-15	9.79257E-14	9.397E-09	6.2835E-06	9.98E-07	2.40967E-12	1.30122E-14	1.4803E-12	2.66454E-15
435	570350.6	4178479	0.55, 41784	0.12561	0.09388	80.0812	31.76761	12.83362	4.33491	1.0556E-08	4.96E-11	1.06E-08	6.73E-06	1.68E-08	6.75E-06	1.08E-06	6.78E-09	1.09E-06	3.27E-12	9.88E-12	5.72E-12	4.17E-15	1.01E-13	5.56E-15	1.10525E-13	1.061E-08	6.7467E-06	1.09E-06	2.71969E-12	1.46863E-14	1.67075E-12	3.00735E-15
436	570390.6	4178479	0.55, 41784	0.14146	0.10678	86.10528	34.01158	14.01299	4.67053	1.18881E-08	5.64E-11	1.19E-08	7.24E-06	1.80E-08	7.25E-06	1.18E-06	7.40E-09	1.19E-06	3.69E-12	1.11E-11	6.44E-12	4.7E-15	1.14E-13	6.26E-15	1.24477E-13	1.194E-08	7.2541E-06	1.19E-06	3.06301E-12	1.65403E-14	1.88166E-12	3.38699E-15
437	570430.6	4178479	0.55, 41784	0.16075	0.12266	93.00088	36.36689	15.32204	5.02469	1.35092E-08	6.48E-11	1.36E-08	7.82E-06	1.92E-08	7.83E-06	1.29E-06	8.09E-09	1.3E-06	4.19E-12	1.26E-11	7.32E-12	5.34E-15	1.29E-13	7.12E-15	1.41458E-13	1.357E-08	7.8348E-06	1.3E-06	3.48088E-12	1.87967E-14	2.13836E-12	3.84905E-15
438	570470.6	4178479	0.55, 41784	0.18644	0.14379	101.96042	39.51551	16.93263	5.48718	1.56681E-08	7.59E-11	1.57E-08	8.57E-06	2.09E-08	8.59E-06	1.42E-06	8.94E-09	1.43E-06	4.86E-12	1.47E-11	8.49E-12	6.19E-15	1.5E-13	8.25E-15	1.64074E-13	1.574E-08	8.5894E-06	1.43E-06	4.03737E-12	2.18018E-14	2.48022E-12	4.4644E-15
439	570510.6	4178479	0.55, 41784	0.22079	0.17209	113.44919	43.50567	18.9082	6.17272	1.85548E-08	9.09E-11	1.86E-08	9.53E-06	2.30E-08	9.56E-06	1.59E-06	9.99E-09	1.6E-06	5.75E-12	1.74E-11	1.01E-11	7.34E-15	1.77E-13	9.78E-15	1.94313E-13	1.865E-08	9.557E-06	1.6E-06	4.78147E-12	2.58199E-14	2.93733E-12	5.2872E-15
440	570550.6	4178479	0.55, 41784	0.2667	0.21004	127.7059	48.20733	21.28432	7.34053	2.2413E-08	1.11E-10	2.25E-08	1.07E-05	2.55E-08	1.08E-05	1.79E-06	1.12E-08	1.8E-06	6.95E-12	2.1E-11	1.21E-11	8.86E-15	2.14E-13	1.18E-14	2.34729E-13	2.252E-08	1.0758E-05	1.8E-06	5.776E-12	3.11904E-14	3.54829E-12	6.38692E-15
441	570590.6	4178479	0.55, 41784	0.32931	0.26248	144.67878	53.44745	24.11313	8.81975	2.76746E-08	1.39E-10	2.78E-08	1.22E-05	2.82E-08	1.22E-05	2.03E-06	1.27E-08	2.04E-06	8.58E-12	2.59E-11	1.5E-11	1.09E-14	2.64E-13	1.46E-14	2.89851E-13	2.781E-08	1.2187E-05	2.04E-06	7.13239E-12	3.85149E-14	4.38154E-12	7.88677E-15
442	570630.6	4178479	0.55, 41784	0.42133	0.33962	165.95931	60.05375	27.65989	10.77683	3.54078E-08	1.79E-10	3.56E-08	1.39E-05	3.17E-08	1.4E-05	2.32E-06	1.46E-08	2.34E-06	1.1E-11	3.32E-11	1.92E-11	1.4E-14	3.38E-13	1.87E-14	3.70865E-13	3.559E-08	1.3979E-05	2.34E-06	9.12592E-12	4.928E-14	5.6062E-12	1.00912E-14
443	570670.6	4178479	0.55, 41784	0.56746	0.46145	193.36004	69.0612	32.22667	13.5092	4.76884E-08	2.44E-10	4.79E-08	1.62E-05	3.65E-08	1.63E-05	2.71E-06	1.70E-08	2.73E-06	1.48E-11	4.47E-11	2.59E-11	1.89E-14	4.56E-13	2.51E-14	4.99515E-13	4.793E-08	1.6286E-05	2.73E-06	1.22916E-11	6.63747E-14	7.55094E-12	1.35917E-14
444	570710.6	4178479	0.55, 41784	0.83023	0.67528	236.53606	81.84268	39.07222	17.68943	6.97711E-08	3.57E-10	7.01E-08	1.99E-05	4.32E-08	1.99E-05	3.28E-06	2.06E-08	3.3E-06	2.16E-11	6.53E-11	3.78E-11	2.76E-14	6.66E-13	3.68E-14	7.30823E-13	7.013E-08	1.9921E-05	3.3E-06	1.79834E-11	9.71105E-14	1.10475E-11	1.98855E-14
445	570750.6	4178479	0.55, 41784	1.42426	1.12918	342.03514	102.90165	49.67165	25.1054	1.19692E-07	5.96E-10	1.2E-07	2.87E-05	5.43E-08	2.88E-05	4.17E-06	2.62E-08	4.2E-06	3.71E-11	1.12E-10	6.49E-11	4.73E-14	1.14E-12	6.31E-14	1.25357E-12	1.203E-07	2.8798E-05	4.2E-06	3.08466E-11	1.66572E-13	1.89496E-11	3.41092E-14
446	570790.6	4178479	0.55, 41784	3.63047	2.75084	596.75244	187.47347	107.7468	51.23422	3.05098E-07	1.45E-09	3.07E-07	5.02E-05	9.90E-08	5.02E-05	9.05E-06	5.69E-08	9.11E-06	9.46E-11	2.86E-10	1.65E-10	1.21E-13	2.91E-12	1.61E-13	3.19467E-12	3.066E-07	5.0249E-05	9.11E-06	7.86115E-11	4.24502E-13	4.82923E-11	8.69261E-14
447	571030.6	4178479	0.55, 41784	9.40071	15.68167	333.68631	267.08575	81.11776	110.69164	7.90019E-07	8.28E-09	7.98E-07	2.8E-05	1.41E-07	2.82E-05	6.82E-06	4.28E-08	6.86E-06	2.46E-10	7.44E-10	4.31E-10	3.14E-13	7.59E-12	4.19E-13	8.31935E-12	7.983E-07	2.8183E-05	6.86E-06	2.04715E-10	1.10546E-12	1.2576E-10	2.26367E-13
448	571070.6	4178479	0.55, 41784	5.59712	9.0131	216.22006	204.77885	54.58514	76.29745	4.70372E-07	4.76E-09	4.75E-07	1.82E-05	1.08E-07	1.83E-05	4.59E-06	2.88E-08	4.62E-06	1.47E-10	4.43E-10	2.56E-10	1.87E-13	4.52E-12	2.49E-13	4.9515E-12	4.751E-07	1.8279E-05	4.62E-06	1.21842E-10	6.57947E-13	7.48496E-11	1.34729E-13
449	571110.6	4178479	0.55, 41784	3.86033	5.8724	232.77263	158.88759	40.87392	60.11848	3.24415E-07	3.10E-09	3.28E-07	1.96E-05	8.39E-08	1.96E-05	3.43E-06	2.16E-08	3.46E-06	1.01E-10	3.05E-10	1.77E-10	1.29E-13	3.11E-12	1.72E-13	3.41316E-12	3.275E-07	1.9646E-05	3.46E-06	8.39878E-11	4.53534E-13	5.15951E-11	9.28711E-14
450	571150.6	4178479	0.55, 41784	2.87873	4.17215	243.47288	131.88403	36.94401	47.80365	2.41923E-07	2.20E-09	2.44E-07	2.05E-05	6.96E-08	2.05E-05	3.1E-06	1.95E-08	3.12E-06	7.53E-11	2.27E-10	1.32E-10	9.6E-14	2.32E-12	1.28E-13	2.54412E-12	2.441E-07	2.0531E-05	3.12E-06	6.26035E-11	3.38059E-13	3.84583E-11	6.9225E-14
451	571190.6	4178479	0.55, 41784	2.25924	3.11768	272.99859	103.34976	40.61499	35.56429	1.89863E-07	1.65E-09	1.92E-07	2.29E-05	5.46E-08	2.3E-05	3.41E-06	2.14E-08	3.43E-06	5.91E-11	1.78E-10	1.03E-10	7.53E-14	1.82E-12	1E-13	1.99578E-12	1.915E-07	2.2997E-05	3.43E-06	4.91103E-11	2.65195E-13	3.01692E-11	5.43046E-14
452	571230.6	4178479	0.55, 41784	1.86428	2.43731	228.60917	88.43023	34.9281	28.65964	1.56671E-07	1.29E-09	1.58E-07	1.92E-05	4.67E-08	1.93E-05	2.94E-06	1.84E-08	2.95E-06	4.87E-11	1.47E-10	8.52E-11	6.21E-14	1.5E-12	8.28E-14	1.64613E-12	1.58E-07	1.9259E-05	2.95E-06	4.05065E-11	2.18735E-13	2.48838E-11	4.47908E-14
453	571270.6	4178479	0.55, 41784	1.58233	1.95726	275.18297	89.4878	39.56066	24.38596	1.32976E-07	1.03E-09	1.34E-07	2.31E-05	4.73E-08	2.32E-05	3.32E-06	2.09E-08	3.35E-06	4.14E-11	1.25E-10	7.23E-11	5.27E-14	1.27E-12	7.03E-14	1.39656E-12	1.34E-07	2.3173E-05	3.35E-06	3.43653E-11	1.85572E-13	2.11111E-11	3.80001E-14
454	571310.6	4178479	0.55, 41784	1.35793	1.6065	222.77943	77.47813	32.82803	21.05024	1.14118E-07	8.48E-10	1.15E-07	1.87E-05	4.09E-08	1.88E-05	2.76E-06	1.73E-08	2.78E-06	3.55E-11	1.07E-10	6.2E-11	4.52E-14	1.09E-12	6.03E-14	1.1981E-12	1.15E-07	1.8763E-05	2.78E-06	2.94818E-11	1.59202E-13	1.81112E-11	3.26001E-14
455	571350.6	4178479	0.55, 41784	1.1642	1.33076	210.30644	64.61424	30.9494	18.13628	9.78373E-08	7.03E-10	9.85E-08	1.77E-05	3.41E-08	1.77E-05	2.6E-06	1.63E-08	2.62E-06	3.04E-11	9.18E-11	5.32E-11	3.88E-14	9.36E-13	5.17E-14	1.02692E-12	9.854E-08	1.7708E-05	2.62E-06	2.52695E-11	1.36455E-13	1.55234E-11	2.79422E-14
456	571390.6	4178479	0.55, 41784	1.001	1.11694	187.8278	60.73144	27.7002	15.35336	8.41223E-08	5.90E-10	8.47E-08	1.58E-05	3.21E-08	1.58E-05	2.33E-06	1.46E-08	2.34E-06	2.61E-11	7.89E-11	4.57E-11	3.33E-14	8.05E-13	4.44E-14	8.82812E-13	8.471E-08	1.5817E-05	2.34E-06	2.17234E-11	1.17307E-13	1.33451E-11	2.40211E-14
457	571430.6	4178479	0.55, 41784	0.8626	0.94616	141.00765	57.76687	20.99683	12.7525	7.24914E-08	5.00E-10	7.3E-08	1.19E-05	3.05E-08	1.19E-05	1.76E-06	1.11E-08	1.78E-06	2.25E-11	6.8E-11	3.94E-11	2.87E-14	6.94E-13	3.83E-14	7.60663E-13	7.299E-08	1.1881E-05	1.78E-06	1.87177E-11	1.01076E-13	1.14986E-11	2.06975E-14
458	571470.6	4178479	0.55, 41784	0.75511	0.81334	85.41876	54.87579	13.60469	11.10539	6.34581E-08	4.30E-10	6.39E-08	7.18E-06	2.90E-08	7.21E-06	1.14E-06	7.18E-09	1.15E-06	1.97E-11	5.95E-11	3.45E-11	2.51E-14	6.07E-13	3.35E-14	6.65794E-13	6.389E-08	7.2074E-06	1.15E-06	1.63832E-11	8.84695E-14	1.00645E-11	1.81161E-14
459	571510.6	4178479	0.55, 41784	0.666	0.70453	104.54177	51.61661	13.06772	9.4895	5.59695E-08	3.72E-10	5.63E-08	8.79E-06	2.73E-08	8.81E-06	1.1E-06	6.90E-09	1.11E-06	1.74E-11	5.25E-11	3.04E-11	2.22E-14	5.35E-13	2.95E-14	5.87153E-13	5.634E-08	8.8128E-06	1.11E-06	1.44481E-11	7.80199E-14	8.87572E-12	1.59763E-14
460	571550.6	4178479	0.55, 41784	0.58993	0.61436	114.23468	47.78612	14.27934	8.47335	4.95767E-08	3.24E-10	4.99E-08	9.6E-06	2.52E-08	9.63E-06	1.2E-06	7.54E-09	1.21E-06	1.54E-11	4.65E-11	2.69E-11	1.96E-14	4.74E-13	2.62E-14	5.20036E-13	4.99E-08	9.6253E-06	1.21E-06	1.27966E-11	6.91014E-14	7.86114E-12	1.415E-14
461	571590.6	4178479	0.55, 41784	0.5248	0.5396	114.71837	43.31659	14.3398	7.89274	4.41033E-08	2.85E-10	4.44E-08	9.64E-06	2.29E-08	9.66E-06	1.21E-06	7.57E-09	1.21E-06	1.37E-11	4.14E-11	2.39E-11	1.75E-14	4.22E-13	2.33E-14	4.62584E-13	4.439E-08	9.6636E-06	1.21E-06	1.13828E-11	6.14674E-14	6.99267E-12	1.25868E-14
462	570310.6	4178519	0.55, 41785	0.10968	0.08323	75.92481	30.95134	12.65413	4.31611	9.21732E-09	4.40E-11	9.26E-09	6.38E-06	1.63E-08	6.4E-06	1.06E-06	6.68E-09	1.07E-06	2.86E-12	8.63E-12	5E-12	3.64E-15	8.8E-14	4.86E-15	9.65146E-14	9.261E-09	6.3969E-06	1.07E-06	2.37494E-12	1.28247E-14	1.45897E-12	2.62614E-15
463	570350.6	4178519	0.55, 41785	0.12253	0.09413	80.98331	32.52203	13.49722	4.56123	1.02972E-08	4.97E-11	1.03E-08	6.81E-06	1.72E-08	6.82E-06	1.13E-06	7.13E-09	1.14E-06	3.19E-12	9.64E-12	5.58E-12	4.07E-15	9.83E-14	5.42E-15	1.07829E-13	1.035E-08	6.8229E-06	1.14E-06	2.65335E-12	1.43281E-14	1.62999E-12	2.93399E-15
464	570390.6	4178519	0.55, 41785	0.13706	0.10653	86.4192	34.09518	14.4032	4.78567	1.15183E-08	5.63E-11	1.16E-08	7.26E-06	1.80E-08	7.28E-06	1.21E-06	7.61E-09	1.22E-06	3.57E-12	1.08E-11	6.24E-12	4.55E-15	1.1E-13	6.07E-15	1.20622E-13	1.157E-08	7.2805E-06	1.22E-06	2.96816E-12	1.6028E-14	1.82339E-12	3.2821E-15
465	570430.6	4178519	0.55, 41785	0.15657	0.12308	93.48729	36.56809	15.58121	5.11226	1.31579E-08	6.50E-11	1.32E-08	7.86E-06	1.93E-08	7.88E-06	1.31E-06	8.23E-09	1.32E-06	4.08E-12	1.23E-11	7.13E-12	5.2E-15	1.26E-13	6.93E-15	1.378E-13	1.322E-08	7.8758E-06	1.32E-06	3.39085E-12	1.83106E-14	2.08305E-12	3.7495E-15
466	570470.6	4178519	0.55, 41785	0.18113	0.14422	101.65142	39.2669	16.9419	5.47129	1.52219E-08	7.62E-11	1.53E-08	8.54E-06	2.07E-08	8.56E-06	1.42E-06	8.95E-09	1.43E-06	4.72E-12	1.43E-11	8.25E-12	6.02E-15	1.45E-13	8.02E-15	1.59425E-13	1.53E-08	8.5633E-06	1.43E-06	3.923E-12	2.11842E-14	2.40996E-12	4.33793E-15
467	570510.6	4178519	0.55, 41785	0.21556	0.17373	112.42418	43.21366	18.73736	6.23491	1.81153E-08	9.17E-11	1.82E-08	9.45E-06	2.28E-08	9.47E-06	1.57E-06	9.90E-09	1.58E-06	5.62E-12	1.7E-11	9.82E-12	7.16E-15	1.73E-13	9.55E-15	1.89741E-13	1.821E-08	9.4708E-06	1.58E-06	4.66898E-12	2.52125E-14	2.86823E-12	5.16282E-15
468	570550.6	4178519	0.55, 41785	0.26244	0.21401	127.39838	48.06291	20.89373	7.26318	2.2055E-08	1.13E-10	2.22E-08	1.07E-05	2.54E-08	1.07E-05	1.76E-06	1.10E-08	1.77E-06	6.84E-12	2.07E-11	1.2E-11	8.72E-15	2.11E-13	1.16E-14	2.3102E-13	2.217E-08	1.0732E-05	1.77E-06	5.68473E-12	3.06975E-14	3.49222E-12	6.286E-15
469	570590.6	4178519	0.55, 41785	0.32438	0.26815	146.74921	52.55391	23.05175	8.49659	2.72603E-08	1.42E-10	2.74E-08	1.23E-05	2.78E-08	1.24E-05	1.94E-06	1.22E-08	1.95E-06	8.46E-12	2.55E-11	1.48E-11	1.08E-14	2.6E-13	1.44E-14	2.85564E-13	2.74E-08	1.236E-05	1.95E-06	7.02691E-12	3.79453E-14	4.31674E-12	7.77014E-15
470	570630.6	4178519	0.55, 41785	0.41604	0.34788	170.82398	60.03664	25.41079	10.076	3.49633E-08	1.84E-10	3.51E-08	1.44E-05	3.17E-08	1.44E-05	2.14E-06	1.34E-08	2.15E-06	1.08E-11	3.27E-11	1.9E-11	1.38E-14	3.34E-13	1.84E-14	3.66278E-13	3.515E-08	1.4387E-05	2.15E-06	9.01304E-12	4.86704E-14	5.53686E-12	9.96634E-15
471	570670.6	4178519	0.55, 41785	0.56352	0.47347	210.6175	71.54419	27.95974	12.2085	4.73572E-08	2.50E-10	4.76E-08	1.77E-05	3.78E-08	1.77E-05	2.35E-06	1.48E-08	2.36E-06	1.47E-11	4.44E-11	2.57E-11	1.87E-14	4.52E-13	2.5E-14	4.96131E-13	4.761E-08	1.7738E-05	2.36E-06	1.22083E-11	6.5925E-14	7.49978E-12	1.34996E-14
472	570710.6	4178519	0.55, 41785	0.82936	0.69158	257.30872	94.91316	32.16359	16.3308	6.9698E-08	3.65E-10	7.01E-08	2.16E-05	5.01E-08	2.17E-05	2.7E-06	1.70E-08	2.72E-06	2.16E-11	6.53E-11	3.78E-11	2.76E-14	6.66E-13	3.67E-14	7.30151E-13	7.006E-08	2.1674E-05	2.72E-06	1.79669E-11	9.70212E-14	1.10374E-11	1.98672E-14
473	570750.6	4178519	0.55, 41785	1.36529	1.13262	327.60111	130.96882	45.80096	29.91109	1.14737E-07	5.98E-10	1.15E-07	2.75E-05	6.92E-08	2.76E-05	3.85E-06	2.42E-08	3.87E-06	3.56E-11	1.07E-10	6.22E-11	4.54E-14	1.1E-12	6.05E-14	1.20194E-12	1.153E-07	2.76E-05	3.87E-06	2.95762E-11	1.59712E-13	1.81692E-11	3.27045E-14
474	570790.6	4178519	0.55, 41785	2.09469	1.90095	339.24086	174.34023	59.4987	49.70987	1.76034E-07	1.00E-09	1.77E-07	2.85E-05	9.21E-08	2.86E-05	5E-06	3.14E-08	5.03E-06	5.46E-11	1.65E-10	9.55E-11	6.97E-14	1.68E-12	9.28E-14	1.84497E-12	1.77E-07	2.8601E-05	5.03E-06	4.53993E-11	2.45156E-13	2.78895E-11	5.02012E-14
475	570990.6	4178519	0.55, 41785	30.9381	16.28557	1645.60932	278.46944	444.29015	131.46412	2.59998E-06	8.60E-09	2.61E-06	0.000138	1.47E-07	0.000138	3.73E-05	2.35E-07	3.76E-05	8.05E-10	2.43E-09	1.41E-09	1.03E-12	2.48E-11	1.37E-12	2.71849E-11	2.609E-06	0.00013844	3.76E-05	6.68941E-10	3.61228E-12	4.10941E-10	7.39695E-13
476	571030.6	4178519	0.55, 41785	10.39533	8.05295	575.07494	188.36146	130.51861	75.45666	8.73606E-07	4.25E-09	8.78E-07	4.83E-05	9.95E-08	4.84E-05	1.1E-05	6.89E-08	1.1E-05	2.71E-10	8.18E-10	4.73E-10	3.45E-13	8.34E-12	4.6E-13	9.14844E-12	8.779E-07	4.8428E-05	1.1E-05	2.25117E-10	1.21563E-12	1.38293E-10	2.48927E-13
477	571070.6	4178519	0.55, 41785	5.62777	5.38206	327.13066	151.27996	61.45445	56.79768	4.72948E-07	2.84E-09	4.76E-07	2.75E-05	7.99E-08	2.76E-05	5.16E-06	3.25E-08	5.2E-06	1.47E-10	4.43E-10	2.57E-10	1.87E-13	4.52E-12	2.49E-13	4.95836E-12	4.758E-07	2.7571E-05	5.2E-06	1.22011E-10	6.58859E-13	7.49533E-11	1.34916E-13
478	571110.6	4178519	0.55, 41785	3.70135	3.92679	194.51307	130.68512	41.68788	44.49195	3.11055E-07	2.07E-09	3.13E-07	1.63E-05	6.90E-08	1.64E-05	3.5E-06	2.20E-08	3.53E-06	9.66E-11	2.92E-10	1.69E-10	1.23E-13	2.98E-12	1.64E-13	3.26321E-12	3.131E-07	1.6416E-05	3.53E-06	8.02982E-11	4.3361E-13	4.93285E-11	8.87913E-14
479	571150.6	4178519	0.55, 41785	2.69329	3.00723	208.02281	103.35418	30.40761	37.50867	2.26339E-07	1.59E-09	2.28E-07	1.75E-05	5.46E-08	1.75E-05	2.56E-06	1.61E-08	2.57E-06	7.03E-11	2.12E-10	1.23E-10	8.97E-14	2.17E-12	1.19E-13	2.37531E-12	2.279E-07	1.7536E-05	2.57E-06	5.84494E-11	3.15627E-13	3.59064E-11	6.46315E-14
480	571190.6	4178519	0.55, 41785	2.08526	2.38411	205.94825	100.14217	32.90062	31.32752	1.75242E-07	1.26E-09	1.77E-07	1.73E-05	5.29E-08	1.74E-05	2.76E-06	1.74E-08	2.78E-06	5.45E-11	1.64E-10	9.52E-11	6.94E-14	1.68E-12	9.25E-14	1.83937E-12	1.765E-07	1.736E-05	2.78E-06	4.52615E-11	2.44412E-13	2.78049E-11	5.00488E-14
481	571230.6	4178519	0.55, 41785	1.66362	1.91731	215.41751	83.66277	30.77393	25.17962	1.39808E-07	1.01E-09	1.41E-07	1.81E-05	4.42E-08	1.81E-05	2.59E-06	1.63E-08	2.6E-06	4.35E-11	1.31E-10	7.6E-11	5.54E-14	1.34E-12	7.38E-14	1.46753E-12	1.408E-07	1.8147E-05	2.6E-06	3.61117E-11	1.95003E-13	2.2184E-11	3.99312E-14
482	571270.6	4178519	0.55, 41785	1.38104	1.58176	194.90891	74.63088	31.16799	21.56574	1.1606E-07	8.35E-10	1.17E-07	1.64E-05	3.94E-08	1.64E-05	2.62E-06	1.65E-08	2.64E-06	3.61E-11	1.09E-10	6.31E-11	4.6E-14	1.11E-12	6.13E-14	1.21821E-12	1.169E-07	1.6419E-05	2.64E-06	2.99765E-11	1.61873E-13	1.8415E-11	3.31471E-14
483	571310.6	4178519	0.55, 41785	1.18628	1.33473	227.7435	74.01926	34.0231	18.88588	9.96929E-08	7.05E-10	1E-07	1.91E-05	3.91E-08	1.92E-05	2.86E-06	1.80E-08	2.88E-06	3.1E-11	9.35E-11	5.42E-11	3.95E-14	9.54E-13	5.26E-14	1.04628E-12	1.004E-07	1.9178E-05	2.88E-06	2.57458E-11	1.39028E-13	1.58161E-11	2.8469E-14
484	571350.6	4178519	0.55, 41785	1.02794	1.1349	186.21806	66.32591	28.09378	16.3212	8.63863E-08	5.99E-10	8.7E-08	1.56E-05	3.50E-08	1.57E-05	2.36E-06	1.48E-08	2.38E-06	2.68E-11	8.1E-11	4.69E-11	3.42E-14	8.27E-13	4.56E-14	9.06505E-13	8.699E-08	1.5684E-05	2.38E-06	2.23065E-11	1.20455E-13	1.37032E-11	2.46658E-14
485	571390.6	4178519	0.55, 41785	0.88898	0.96986	165.64096	58.31983	23.55305	14.40747	7.47083E-08	5.12E-10	7.52E-08	1.39E-05	3.08E-08	1.4E-05	1.98E-06	1.24E-08	1.99E-06	2.32E-11	7.01E-11	4.06E-11	2.96E-14	7.15E-13	3.94E-14	7.83897E-13	7.522E-08	1.3951E-05	1.99E-06	1.92894E-11	1.04163E-13	1.18498E-11	2.13297E-14
486	571430.6	4178519	0.55, 41785	0.7696	0.83467	166.81635	54.79876	23.72844	12.50769	6.46758E-08	4.41E-10	6.51E-08	1.4E-05	2.89E-08	1.4E-05	1.99E-06	1.25E-08	2.01E-06	2.01E-11	6.07E-11	3.51E-11	2.56E-14	6.19E-13	3.41E-14	6.78601E-13	6.512E-08	1.4048E-05	2.01E-06	1.66984E-11	9.01714E-14	1.02581E-11	1.84646E-14
487	571470.6	4178519	0.55, 41785	0.67066	0.72494	138.40145	51.97552	19.82816	10.73341	5.63611E-08	3.83E-10	5.67E-08	1.16E-05	2.74E-08	1.17E-05	1.67E-06	1.05E-08	1.68E-06	1.75E-11	5.29E-11	3.06E-11	2.23E-14	5.39E-13	2.97E-14	5.91347E-13	5.674E-08	1.1658E-05	1.68E-06	1.45513E-11	7.85771E-14	8.93911E-12	1.60904E-14
488	571510.6	4178519	0.55, 41785	0.58987	0.63439	93.94363	49.66848	13.736	9.50533	4.95717E-08	3.35E-10	4.99E-08	7.89E-06	2.62E-08	7.92E-06	1.15E-06	7.25E-09	1.16E-06	1.54E-11	4.65E-11	2.69E-11	1.96E-14	4.74E-13	2.62E-14	5.20093E-13	4.991E-08	7.9211E-06	1.16E-06	1.2798E-11	6.91091E-14	7.86201E-12	1.41516E-14
489	571550.6	4178519	0.55, 41785	0.52422	0.55926	64.7066	47.53612	9.81761	8.44297	4.40545E-08	2.95E-10	4.43E-08	5.44E-06	2.51E-08	5.46E-06	8.25E-07	5.18E-09	8.3E-07	1.37E-11	4.13E-11	2.39E-11	1.74E-14	4.21E-13	2.33E-14	4.62184E-13	4.435E-08	5.4629E-06	8.3E-07	1.1373E-11	6.14143E-14	6.98663E-12	1.25759E-14
490	571590.6	4178519	0.55, 41785	0.47148	0.49721	75.39988	45.27823	9.54319	7.49343	3.96224E-08	2.63E-10	3.99E-08	6.34E-06	2.39E-08	6.36E-06	8.02E-07	5.04E-09	8.07E-07	1.23E-11	3.72E-11	2.15E-11	1.57E-14	3.79E-13	2.09E-14	4.15654E-13	3.988E-08	6.3604E-06	8.07E-07	1.0228E-11	5.52313E-14	6.28324E-12	1.13098E-14
491	570310.6	4178559	0.55, 41785	0.10731	0.08405	76.80272	30.54078	12.80045	4.19275	9.01815E-09	4.44E-11	9.06E-09	6.45E-06	1.61E-08	6.47E-06	1.08E-06	6.76E-09	1.08E-06	2.8E-12	8.44E-12	4.89E-12	3.57E-15	8.61E-14	4.75E-15	9.44435E-14	9.063E-09	6.4705E-06	1.08E-06	2.32398E-12	1.25495E-14	1.42766E-12	2.56979E-15
492	570350.6	4178559	0.55, 41785	0.11907	0.09438	82.9813	31.5625	13.39224	4.31782	1.00064E-08	4.98E-11	1.01E-08	6.97E-06	1.67E-08	6.99E-06	1.13E-06	7.07E-09	1.13E-06	3.1E-12	9.37E-12	5.42E-12	3.96E-15	9.56E-14	5.27E-15	1.048E-13	1.006E-08	6.9903E-06	1.13E-06	2.57882E-12	1.39256E-14	1.58421E-12	2.85157E-15
493	570390.6	4178559	0.55, 41785	0.1339	0.10748	90.55746	32.83588	14.07263	4.47793	1.12527E-08	5.68E-11	1.13E-08	7.61E-06	1.73E-08	7.63E-06	1.18E-06	7.43E-09	1.19E-06	3.49E-12	1.05E-11	6.1E-12	4.45E-15	1.07E-13	5.93E-15	1.1786E-13	1.131E-08	7.6276E-06	1.19E-06	2.90019E-12	1.5661E-14	1.78163E-12	3.20694E-15
494	570430.6	4178559	0.55, 41785	0.15297	0.12443	99.07784	34.42492	14.88754	4.68196	1.28553E-08	6.57E-11	1.29E-08	8.33E-06	1.82E-08	8.34E-06	1.25E-06	7.86E-09	1.26E-06	3.99E-12	1.2E-11	6.97E-12	5.08E-15	1.23E-13	6.77E-15	1.34654E-13	1.292E-08	8.3445E-06	1.26E-06	3.31345E-12	1.78926E-14	2.03551E-12	3.66391E-15
495	570470.6	4178559	0.55, 41785	0.17711	0.14611	108.3811	37.13833	15.68816	5.10948	1.4884E-08	7.72E-11	1.5E-08	9.11E-06	1.96E-08	9.13E-06	1.32E-06	8.28E-09	1.33E-06	4.62E-12	1.39E-11	8.07E-12	5.89E-15	1.42E-13	7.84E-15	1.55915E-13	1.496E-08	9.1278E-06	1.33E-06	3.83662E-12	2.07177E-14	2.3569E-12	4.24242E-15
496	570510.6	4178559	0.55, 41785	0.21022	0.1758	119.02071	41.74654	16.67371	5.7123	1.76665E-08	9.28E-11	1.78E-08	1E-05	2.20E-08	1E-05	1.4E-06	8.81E-09	1.41E-06	5.48E-12	1.65E-11	9.58E-12	6.99E-15	1.69E-13	9.31E-15	1.85076E-13	1.776E-08	1.0024E-05	1.41E-06	4.55418E-12	2.45926E-14	2.79771E-12	5.03587E-15
497	570550.6	4178559	0.55, 41785	0.25686	0.21737	138.81712	48.97119	17.78034	6.5378	2.15861E-08	1.15E-10	2.17E-08	1.17E-05	2.59E-08	1.17E-05	1.49E-06	9.39E-09	1.5E-06	6.7E-12	2.02E-11	1.17E-11	8.54E-15	2.06E-13	1.14E-14	2.26152E-13	2.17E-08	1.1692E-05	1.5E-06	5.56493E-12	3.00506E-14	3.41863E-12	6.15353E-15
498	570590.6	4178559	0.55, 41785	0.31921	0.27311	158.95656	55.69599	19.86957	7.90259	2.68259E-08	1.44E-10	2.7E-08	1.34E-05	2.94E-08	1.34E-05	1.67E-06	1.05E-08	1.68E-06	8.32E-12	2.51E-11	1.45E-11	1.06E-14	2.56E-13	1.41E-14	2.81064E-13	2.697E-08	1.3388E-05	1.68E-06	6.91616E-12	3.73473E-14	4.24871E-12	7.64768E-15
499	570630.6	4178559	0.55, 41785	0.41072	0.35398	180.38278	65.18573	22.54785	9.64997	3.45162E-08	1.87E-10	3.47E-08	1.52E-05	3.44E-08	1.52E-05	1.89E-06	1.19E-08	1.91E-06	1.07E-11	3.23E-11	1.87E-11	1.37E-14	3.3E-13	1.82E-14	3.61652E-13	3.47E-08	1.5193E-05	1.91E-06	8.89921E-12	4.80558E-14	5.46693E-12	9.84048E-15
500	570670.6	4178559	0.55, 41785	0.55178	0.47716	218.05495	85.23197	27.25687	14.02323	4.63706E-08	2.52E-10	4.66E-08	1.83E-05	4.50E-08	1.84E-05	2.29E-06	1.44E-08	2.31E-06	1.44E-11	4.34E-11	2.51E-11	1.83E-14	4.43E-13	2.44E-14	4.85869E-13	4.662E-08	1.837E-05	2.31E-06	1.19558E-11	6.45615E-14	7.34466E-12	1.32204E-14
501	570710.6	4178559	0.55, 41785	0.78132	0.6809	244.71244	105.12049	32.595	21.74638	6.56608E-08	3.60E-10	6.6E-08	2.06E-05	5.55E-08	2.06E-05	2.74E-06	1.72E-08	2.76E-06	2.04E-11	6.15E-11	3.56E-11	2.6E-14	6.27E-13	3.46E-14	6.88019E-13	6.602E-08	2.0621E-05	2.76E-06	1.69302E-11	9.14228E-14	1.04005E-11	1.87208E-14
502	570750.6	4178559	0.55, 41785	1.13763	1.02831	276.33124	124.7524	39.47589	32.46528	9.56045E-08	5.43E-10	9.61E-08	2.32E-05	6.59E-08	2.33E-05	3.32E-06	2.08E-08	3.34E-06	2.97E-11	8.96E-11	5.19E-11	3.78E-14	9.14E-13	5.04E-14	1.00198E-12	9.615E-08	2.3288E-05	3.34E-06	2.46559E-11	1.33142E-13	1.51465E-11	2.72637E-14
503	570790.6	4178559	0.55, 41785	1.48115	1.46435	285.306	157.20995	43.19026	42.97795	1.24473E-07	7.73E-10	1.25E-07	2.4E-05	8.30E-08	2.41E-05	3.63E-06	2.28E-08	3.65E-06	3.86E-11	1.17E-10	6.76E-11	4.93E-14	1.19E-12	6.57E-14	1.30523E-12	1.252E-07	2.406E-05	3.65E-06	3.2118E-11	1.73437E-13	1.97306E-11	3.55151E-14
504	570830.6	4178559	0.55, 41785	2.67811	2.99292	342.02881	178.80856	66.23843	64.34565	2.25064E-07	1.58E-09	2.27E-07	2.87E-05	9.44E-08	2.88E-05	5.57E-06	3.50E-08	5.6E-06	6.99E-11	2.11E-10	1.22E-10	8.92E-14	2.15E-12	1.19E-13	2.36193E-12	2.266E-07	2.8838E-05	5.6E-06	5.81203E-11	3.1385E-13	3.57042E-11	6.42676E-14
505	570950.6	4178559	0.55, 41785	26.55575	12.00196	679.01352	318.67052	280.37281	116.3834	2.2317E-06	6.34E-09	2.24E-06	5.71E-05	1.68E-07	5.72E-05	2.36E-05	1.48E-07	2.37E-05	6.91E-10	2.09E-09	1.21E-09	8.81E-13	2.13E-11	1.17E-12	2.33233E-11	2.238E-06	5.7231E-05	2.37E-05	5.73919E-10	3.09916E-12	3.52568E-10	6.34622E-13
506	570990.6	4178559	0.55, 41785	10.52141	6.96087	639.29991	205.65266	133.52138	75.6432	8.84201E-07	3.68E-09	8.88E-07	5.37E-05	1.09E-07	5.38E-05	1.12E-05	7.05E-08	1.13E-05	2.74E-10	8.27E-10	4.79E-10	3.49E-13	8.44E-12	4.65E-13	9.25285E-12	8.879E-07	5.3834E-05	1.13E-05	2.27686E-10	1.2295E-12	1.39871E-10	2.51768E-13
507	571030.6	4178559	0.55, 41785	6.12086	4.69941	562.31532	143.87555	97.52112	53.65332	5.14386E-07	2.48E-09	5.17E-07	4.73E-05	7.60E-08	4.73E-05	8.2E-06	5.15E-08	8.25E-06	1.59E-10	4.82E-10	2.79E-10	2.03E-13	4.91E-12	2.71E-13	5.38645E-12	5.169E-07	4.7332E-05	8.25E-06	1.32545E-10	7.15742E-13	8.14244E-11	1.46564E-13
508	571070.6	4178559	0.55, 41785	4.00501	3.46908	291.75499	122.4909	69.10596	41.80504	3.36574E-07	1.83E-09	3.38E-07	2.45E-05	6.47E-08	2.46E-05	5.81E-06	3.65E-08	5.84E-06	1.04E-10	3.15E-10	1.83E-10	1.33E-13	3.22E-12	1.77E-13	3.52664E-12	3.384E-07	2.4583E-05	5.84E-06	8.67803E-11	4.68614E-13	5.33105E-11	9.5959E-14
509	571110.6	4178559	0.55, 41785	2.89394	2.70355	288.47324	105.99812	48.03981	36.46899	2.43202E-07	1.43E-09	2.45E-07	2.42E-05	5.60E-08	2.43E-05	4.04E-06	2.54E-08	4.06E-06	7.55E-11	2.28E-10	1.32E-10	9.62E-14	2.32E-12	1.28E-13	2.54936E-12	2.446E-07	2.4299E-05	4.06E-06	6.27324E-11	3.38755E-13	3.85375E-11	6.93675E-14
510	571150.6	4178559	0.55, 41785	2.21115	2.17534	240.56187	97.79178	31.90722	30.3701	1.85821E-07	1.15E-09	1.87E-07	2.02E-05	5.16E-08	2.03E-05	2.68E-06	1.68E-08	2.7E-06	5.77E-11	1.74E-10	1.01E-10	7.36E-14	1.78E-12	9.8E-14	1.94847E-12	1.87E-07	2.0268E-05	2.7E-06	4.79463E-11	2.5891E-13	2.94542E-11	5.30175E-14
511	571190.6	4178559	0.55, 41785	1.76303	1.79806	177.14345	83.63267	24.55859	26.34777	1.48162E-07	9.50E-10	1.49E-07	1.49E-05	4.42E-08	1.49E-05	2.06E-06	1.30E-08	2.08E-06	4.6E-11	1.39E-10	8.04E-11	5.87E-14	1.42E-12	7.82E-14	1.55394E-12	1.491E-07	1.4931E-05	2.08E-06	3.82379E-11	2.06485E-13	2.34902E-11	4.22823E-14
512	571230.6	4178559	0.55, 41785	1.44054	1.50665	192.87207	80.98435	29.09943	22.26218	1.2106E-07	7.96E-10	1.22E-07	1.62E-05	4.28E-08	1.63E-05	2.45E-06	1.54E-08	2.46E-06	3.76E-11	1.14E-10	6.57E-11	4.79E-14	1.16E-12	6.39E-14	1.2699E-12	1.219E-07	1.6251E-05	2.46E-06	3.12486E-11	1.68742E-13	1.91965E-11	3.45537E-14
513	571270.6	4178559	0.55, 41785	1.19178	1.27042	167.21575	71.42327	22.32638	19.23301	1.00155E-07	6.71E-10	1.01E-07	1.41E-05	3.77E-08	1.41E-05	1.88E-06	1.18E-08	1.89E-06	3.11E-11	9.39E-11	5.44E-11	3.97E-14	9.58E-13	5.29E-14	1.05074E-12	1.008E-07	1.409E-05	1.89E-06	2.58557E-11	1.39621E-13	1.58836E-11	2.85904E-14

514	571310.6	4178559 0.55, 41785	1.01245	1.08581	169.23295	65.49002	26.6418	16.91234	8.50845E-08	5.73E-10	8.57E-08	1.42E-05	3.46E-08	1.43E-05	2.24E-06	1.41E-08	2.25E-06	2.64E-11	7.98E-11	4.62E-11	3.37E-14	8.14E-13	4.49E-14	8.92669E-13	8.566E-08	1.4257E-05	2.25E-06	2.1966E-11	1.18616E-13	1.34941E-11	2.42893E-14
515	571350.6	4178559 0.55, 41785	0.8838	0.94242	194.09519	63.64749	28.90026	14.99354	7.4273E-08	4.98E-10	7.48E-08	1.63E-05	3.36E-08	1.63E-05	2.43E-06	1.53E-08	2.44E-06	2.31E-11	6.97E-11	4.03E-11	2.94E-14	7.11E-13	3.92E-14	7.79209E-13	7.477E-08	1.6345E-05	2.44E-06	1.91741E-11	1.0354E-13	1.17789E-11	2.12021E-14
516	571390.6	4178559 0.55, 41785	0.78025	0.82372	158.10154	57.98385	23.81897	12.89204	6.55709E-08	4.35E-10	6.6E-08	1.33E-05	3.06E-08	1.33E-05	2E-06	1.26E-08	2.01E-06	2.04E-11	6.15E-11	3.56E-11	2.6E-14	6.27E-13	3.46E-14	6.87868E-13	6.601E-08	1.3317E-05	2.01E-06	1.69264E-11	9.14027E-14	1.03982E-11	1.87167E-14
517	571430.6	4178559 0.55, 41785	0.68512	0.72115	137.68904	52.2569	18.93914	11.62385	5.75763E-08	3.81E-10	5.8E-08	1.16E-05	2.76E-08	1.16E-05	1.59E-06	1.00E-08	1.6E-06	1.79E-11	5.4E-11	3.13E-11	2.28E-14	5.51E-13	3.04E-14	6.0399E-13	5.796E-08	1.1599E-05	1.6E-06	1.48624E-11	8.02571E-14	9.13023E-12	1.64344E-14
518	571470.6	4178559 0.55, 41785	0.60049	0.63425	143.56241	49.93475	19.90478	10.29716	5.04641E-08	3.35E-10	5.08E-08	1.21E-05	2.64E-08	1.21E-05	1.67E-06	1.05E-08	1.68E-06	1.57E-11	4.73E-11	2.74E-11	2E-14	4.83E-13	2.66E-14	5.29393E-13	5.08E-08	1.2091E-05	1.68E-06	1.30268E-11	7.03449E-14	8.00259E-12	1.44047E-14
519	571510.6	4178559 0.55, 41785	0.52736	0.56045	131.02036	47.72087	18.26486	8.99798	4.43184E-08	2.96E-10	4.46E-08	1.1E-05	2.52E-08	1.1E-05	1.53E-06	9.65E-09	1.54E-06	1.38E-11	4.16E-11	2.41E-11	1.76E-14	4.24E-13	2.34E-14	4.64941E-13	4.461E-08	1.1036E-05	1.54E-06	1.14408E-11	6.17805E-14	7.02829E-12	1.26509E-14
520	571550.6	4178559 0.55, 41785	0.46874	0.49944	99.50634	45.73793	14.05158	8.03042	3.93921E-08	2.64E-10	3.97E-08	8.36E-06	2.42E-08	8.39E-06	1.18E-06	7.42E-09	1.19E-06	1.22E-11	3.69E-11	2.14E-11	1.56E-14	3.77E-13	2.08E-14	4.13266E-13	3.966E-08	8.3865E-06	1.19E-06	1.01693E-11	5.49141E-14	6.24715E-12	1.12449E-14
521	571590.6	4178559 0.55, 41785	0.42104	0.44786	63.39282	43.98321	9.17705	7.35207	3.53835E-08	2.37E-10	3.56E-08	5.33E-06	2.32E-08	5.35E-06	7.71E-07	4.85E-09	7.76E-07	1.1E-11	3.32E-11	1.92E-11	1.4E-14	3.39E-13	1.87E-14	3.71207E-13	3.562E-08	5.3506E-06	7.76E-07	9.13433E-12	4.93254E-14	5.61137E-12	1.01005E-14
522	570310.6	4178599 0.55, 41785	0.10507	0.08466	83.25071	28.48032	11.19876	3.62883	8.8299E-09	4.47E-11	8.87E-09	7E-06	1.50E-08	7.01E-06	9.41E-07	5.91E-09	9.47E-07	2.74E-12	8.27E-12	4.79E-12	3.49E-15	8.43E-14	4.65E-15	9.24851E-14	8.875E-09	7.0113E-06	9.47E-07	2.27579E-12	1.22893E-14	1.39805E-12	2.5165E-15
523	570350.6	4178599 0.55, 41785	0.11716	0.09561	88.57329	30.33455	11.44069	3.79182	9.84592E-09	5.05E-11	9.9E-09	7.44E-06	1.60E-08	7.46E-06	9.61E-07	6.04E-09	9.67E-07	3.05E-12	9.22E-12	5.34E-12	3.89E-15	9.41E-14	5.19E-15	1.03134E-13	9.896E-09	7.4596E-06	9.67E-07	2.53782E-12	1.37042E-14	1.55902E-12	2.80624E-15
524	570390.6	4178599 0.55, 41785	0.13131	0.10865	93.2639	32.45644	11.65799	4.05706	1.10351E-08	5.74E-11	1.11E-08	7.84E-06	1.71E-08	7.85E-06	9.8E-07	6.16E-09	9.86E-07	3.42E-12	1.03E-11	5.98E-12	4.36E-15	1.05E-13	5.82E-15	1.15598E-13	1.109E-08	7.8549E-06	9.86E-07	2.84453E-12	1.53604E-14	1.74744E-12	3.14539E-15
525	570430.6	4178599 0.55, 41785	0.15022	0.126	103.53542	36.02365	12.94193	4.50296	1.26242E-08	6.65E-11	1.27E-08	8.7E-06	1.90E-08	8.72E-06	1.09E-06	6.83E-09	1.09E-06	3.92E-12	1.18E-11	6.85E-12	4.99E-15	1.21E-13	6.65E-15	1.32255E-13	1.269E-08	8.72E-06	1.09E-06	3.2544E-12	1.75738E-14	1.99923E-12	3.59862E-15
526	570470.6	4178599 0.55, 41785	0.17421	0.14819	115.63183	39.91557	14.45398	5.34922	1.46403E-08	7.83E-11	1.47E-08	9.72E-06	2.11E-08	9.74E-06	1.21E-06	7.63E-09	1.22E-06	4.54E-12	1.37E-11	7.94E-12	5.79E-15	1.4E-13	7.72E-15	1.53387E-13	1.472E-08	9.7386E-06	1.22E-06	3.7744E-12	2.03818E-14	2.31868E-12	4.17362E-15
527	570510.6	4178599 0.55, 41785	0.20799	0.17912	128.15759	44.54205	16.0197	6.36274	1.74791E-08	9.46E-11	1.76E-08	1.08E-05	2.35E-08	1.08E-05	1.35E-06	8.46E-09	1.35E-06	5.42E-12	1.64E-11	9.48E-12	6.91E-15	1.67E-13	9.21E-15	1.83141E-13	1.757E-08	1.0794E-05	1.35E-06	4.50657E-12	2.43355E-14	2.76846E-12	4.98323E-15
528	570550.6	4178599 0.55, 41785	0.25382	0.22088	141.74172	51.90419	17.71771	7.41488	2.13306E-08	1.17E-10	2.14E-08	1.19E-05	2.74E-08	1.19E-05	1.49E-06	9.36E-09	1.5E-06	6.62E-12	2E-11	1.16E-11	8.44E-15	2.04E-13	1.12E-14	2.23509E-13	2.145E-08	1.1939E-05	1.5E-06	5.49989E-12	2.96994E-14	3.37867E-12	6.08161E-15
529	570590.6	4178599 0.55, 41785	0.31442	0.27626	161.8077	62.94071	20.22596	8.27119	2.64233E-08	1.46E-10	2.66E-08	1.36E-05	3.32E-08	1.36E-05	1.7E-06	1.07E-08	1.71E-06	8.2E-12	2.48E-11	1.43E-11	1.05E-14	2.53E-13	1.39E-14	2.76886E-13	2.657E-08	1.3631E-05	1.71E-06	6.81336E-12	3.67922E-14	4.18556E-12	7.53401E-15
530	570630.6	4178599 0.55, 41785	0.39904	0.35395	187.04764	77.01967	23.38095	12.20463	3.35346E-08	1.87E-10	3.37E-08	1.57E-05	4.07E-08	1.58E-05	1.96E-06	1.23E-08	1.98E-06	1.04E-11	3.14E-11	1.82E-11	1.33E-14	3.2E-13	1.77E-14	3.51423E-13	3.372E-08	1.576E-05	1.98E-06	8.6475E-12	4.66965E-14	5.3123E-12	9.56214E-15
531	570670.6	4178599 0.55, 41785	0.52025	0.46779	203.91154	89.67976	27.18561	17.16092	4.37209E-08	2.47E-10	4.4E-08	1.71E-05	4.74E-08	1.72E-05	2.28E-06	1.44E-08	2.3E-06	1.36E-11	4.1E-11	2.37E-11	1.73E-14	4.18E-13	2.31E-14	4.58204E-13	4.397E-08	1.7184E-05	2.3E-06	1.12751E-11	6.08854E-14	6.92646E-12	1.24676E-14
532	570710.6	4178599 0.55, 41785	0.68748	0.63563	226.5911	101.22552	32.37016	22.387	5.77746E-08	3.36E-10	5.81E-08	1.9E-05	5.35E-08	1.91E-05	2.72E-06	1.71E-08	2.74E-06	1.79E-11	5.41E-11	3.13E-11	2.29E-14	5.52E-13	3.05E-14	6.05586E-13	5.811E-08	1.9096E-05	2.74E-06	1.49017E-11	8.04692E-14	9.15436E-12	1.64779E-14
533	570750.6	4178599 0.55, 41785	0.91976	0.89022	243.41497	114.05895	34.77357	31.00996	7.7295E-08	4.70E-10	7.78E-08	2.05E-05	6.02E-08	2.05E-05	2.92E-06	1.84E-08	2.94E-06	2.4E-11	7.25E-11	4.19E-11	3.06E-14	7.39E-13	4.08E-14	8.10415E-13	7.777E-08	2.0516E-05	2.94E-06	1.9942E-11	1.07687E-13	1.22507E-11	2.20512E-14
534	570790.6	4178599 0.55, 41785	1.20615	1.22781	261.32328	130.44037	39.31654	39.06207	1.01363E-07	6.48E-10	1.02E-07	2.2E-05	6.89E-08	2.2E-05	3.3E-06	2.08E-08	3.32E-06	3.15E-11	9.5E-11	5.5E-11	4.01E-14	9.69E-13	5.35E-14	1.06309E-12	1.02E-07	2.203E-05	3.32E-06	2.61596E-11	1.41262E-13	1.60702E-11	2.89264E-14
535	570830.6	4178599 0.55, 41785	1.86035	2.06593	307.79075	158.37727	57.33573	51.17396	1.56341E-07	1.09E-09	1.57E-07	2.59E-05	8.36E-08	2.59E-05	4.82E-06	3.03E-08	4.85E-06	4.86E-11	1.47E-10	8.49E-11	6.19E-14	1.5E-12	8.25E-14	1.64064E-12	1.574E-07	2.595E-05	4.85E-06	4.03715E-11	2.18006E-13	2.48009E-11	4.46416E-14
536	570870.6	4178599 0.55, 41785	2.81953	3.8452	429.66876	238.19724	77.96533	87.47681	2.36948E-07	2.03E-09	2.39E-07	3.61E-05	1.26E-07	3.62E-05	6.55E-06	4.12E-08	6.59E-06	7.37E-11	2.23E-10	1.29E-10	9.4E-14	2.27E-12	1.25E-13	2.49048E-12	2.39E-07	3.6234E-05	6.59E-06	6.12834E-11	3.3093E-13	3.76474E-11	6.77653E-14
537	570910.6	4178599 0.55, 41785	4.21414	6.38342	555.65098	273.48442	124.98504	103.73159	3.54149E-07	3.37E-09	3.58E-07	4.67E-05	1.44E-07	4.68E-05	1.05E-05	6.60E-08	1.06E-05	1.1E-10	3.33E-10	1.93E-10	1.41E-13	3.4E-12	1.87E-13	3.72583E-12	3.575E-07	4.684E-05	1.06E-05	9.16819E-11	4.95082E-13	5.63217E-11	1.01379E-13
538	570950.6	4178599 0.55, 41785	4.59898	4.54538	563.80012	195.03038	96.52509	58.5202	3.8649E-07	2.40E-09	3.89E-07	4.74E-05	1.03E-07	4.75E-05	8.11E-06	5.10E-08	8.16E-06	1.2E-10	3.62E-10	2.1E-10	1.53E-13	3.7E-12	2.04E-13	4.05275E-12	3.889E-07	4.7484E-05	8.16E-06	9.97265E-11	5.38523E-13	6.12636E-11	1.10274E-13
539	570990.6	4178599 0.55, 41785	3.82228	3.4158	387.45867	157.86758	74.93195	45.58999	3.21218E-07	1.80E-09	3.23E-07	3.26E-05	8.34E-08	3.26E-05	6.3E-06	3.96E-08	6.34E-06	9.97E-11	3.01E-10	1.74E-10	1.27E-13	3.07E-12	1.69E-13	3.36631E-12	3.23E-07	3.2645E-05	6.34E-06	8.28351E-11	4.4731E-13	5.0887E-11	9.15965E-14
540	571030.6	4178599 0.55, 41785	3.02247	2.69987	442.17309	124.03841	67.82636	38.72372	2.54003E-07	1.43E-09	2.55E-07	3.72E-05	6.55E-08	3.72E-05	5.7E-06	3.58E-08	5.74E-06	7.88E-11	2.38E-10	1.38E-10	1E-13	2.43E-12	1.34E-13	2.66191E-12	2.554E-07	3.7225E-05	5.74E-06	6.55018E-11	3.5371E-13	4.02388E-11	7.24298E-14
541	571070.6	4178599 0.55, 41785	2.43201	2.20804	323.32852	105.96293	49.87717	32.54487	2.04382E-07	1.17E-09	2.06E-07	2.72E-05	5.60E-08	2.72E-05	4.19E-06	2.63E-08	4.22E-06	6.34E-11	1.92E-10	1.11E-10	8.09E-14	1.95E-12	1.08E-13	2.14208E-12	2.055E-07	2.7228E-05	4.22E-06	5.27104E-11	2.84636E-13	3.23808E-11	5.82855E-14
542	571110.6	4178599 0.55, 41785	1.9361	1.83698	285.52756	89.63178	42.26506	28.59229	1.62706E-07	9.70E-10	1.64E-07	2.4E-05	4.73E-08	2.4E-05	3.55E-06	2.23E-08	3.57E-06	5.05E-11	1.53E-10	8.83E-11	6.44E-14	1.56E-12	8.58E-14	1.70573E-12	1.637E-07	2.4043E-05	3.57E-06	4.1973E-11	2.26654E-13	2.57847E-11	4.64124E-14
543	571150.6	4178599 0.55, 41785	1.58315	1.55537	182.41041	88.91432	29.75311	25.20352	1.33045E-07	8.21E-10	1.34E-07	1.53E-05	4.70E-08	1.54E-05	2.5E-06	1.57E-08	2.52E-06	4.13E-11	1.25E-10	7.22E-11	5.27E-14	1.27E-12	7.02E-14	1.39507E-12	1.339E-07	1.5376E-05	2.52E-06	3.43285E-11	1.85374E-13	2.10886E-11	3.79594E-14
544	571190.6	4178599 0.55, 41785	1.33739	1.33597	189.26194	77.8274	24.55337	21.99349	1.12392E-07	7.06E-10	1.13E-07	1.59E-05	4.11E-08	1.59E-05	2.06E-06	1.30E-08	2.08E-06	3.49E-11	1.05E-10	6.1E-11	4.45E-14	1.07E-12	5.93E-14	1.17862E-12	1.131E-07	1.5946E-05	2.08E-06	2.90025E-11	1.56614E-13	1.78167E-11	3.20701E-14
545	571230.6	4178599 0.55, 41785	1.14183	1.1549	177.02423	70.01737	25.42204	18.83046	9.59574E-08	6.10E-10	9.66E-08	1.49E-05	3.70E-08	1.49E-05	2.14E-06	1.34E-08	2.15E-06	2.98E-11	9E-11	5.21E-11	3.8E-14	9.18E-13	5.06E-14	1.00636E-12	9.657E-08	1.4914E-05	2.15E-06	2.47636E-11	1.33723E-13	1.52127E-11	2.73828E-14
546	571270.6	4178599 0.55, 41785	0.97959	1.00523	160.46118	68.49541	22.92303	16.81937	8.2323E-08	5.31E-10	8.29E-08	1.35E-05	3.62E-08	1.35E-05	1.93E-06	1.21E-08	1.94E-06	2.56E-11	7.72E-11	4.47E-11	3.26E-14	7.87E-13	4.34E-14	8.63447E-13	8.285E-08	1.3521E-05	1.94E-06	2.12469E-11	1.14733E-13	1.30523E-11	2.34942E-14
547	571310.6	4178599 0.55, 41785	0.84011	0.87488	131.92842	62.86665	16.49105	15.16442	7.06014E-08	4.62E-10	7.11E-08	1.11E-05	3.32E-08	1.11E-05	1.39E-06	8.71E-09	1.39E-06	2.19E-11	6.62E-11	3.83E-11	2.8E-14	6.75E-13	3.73E-14	7.40574E-13	7.106E-08	1.112E-05	1.39E-06	1.82234E-11	9.84063E-14	1.11949E-11	2.01509E-14
548	571350.6	4178599 0.55, 41785	0.73896	0.77159	149.85158	58.69155	22.55392	13.49962	6.21009E-08	4.07E-10	6.25E-08	1.26E-05	3.10E-08	1.26E-05	1.9E-06	1.19E-08	1.91E-06	1.93E-11	5.82E-11	3.37E-11	2.46E-14	5.94E-13	3.28E-14	6.5142E-13	6.251E-08	1.2624E-05	1.91E-06	1.60295E-11	8.65596E-14	9.84721E-12	1.7725E-14
549	571390.6	4178599 0.55, 41785	0.661	0.68563	168.50279	56.32456	24.41155	12.10471	5.55493E-08	3.62E-10	5.59E-08	1.42E-05	2.97E-08	1.42E-05	2.05E-06	1.29E-08	2.06E-06	1.73E-11	5.21E-11	3.02E-11	2.2E-14	5.31E-13	2.93E-14	5.8267E-13	5.591E-08	1.419E-05	2.06E-06	1.43378E-11	7.74242E-14	8.80796E-12	1.58543E-14
550	571430.6	4178599 0.55, 41785	0.59511	0.61204	136.17098	51.76249	20.03651	10.61326	5.0012E-08	3.23E-10	5.03E-08	1.14E-05	2.73E-08	1.15E-05	1.68E-06	1.06E-08	1.69E-06	1.55E-11	4.69E-11	2.71E-11	1.98E-14	4.78E-13	2.64E-14	5.24559E-13	5.034E-08	1.1471E-05	1.69E-06	1.29079E-11	6.97026E-14	7.92952E-12	1.42731E-14
551	571470.6	4178599 0.55, 41785	0.53051	0.54561	117.9441	47.17442	16.84916	9.40387	4.45831E-08	2.88E-10	4.49E-08	9.91E-06	2.49E-08	9.94E-06	1.42E-06	8.90E-09	1.42E-06	1.38E-11	4.18E-11	2.42E-11	1.77E-14	4.26E-13	2.35E-14	4.67618E-13	4.487E-08	9.9367E-06	1.42E-06	1.15067E-11	6.21363E-14	7.06876E-12	1.27238E-14
552	571510.6	4178599 0.55, 41785	0.47218	0.48877	120.07824	45.51387	16.38718	8.49605	3.96812E-08	2.58E-10	3.99E-08	1.01E-05	2.40E-08	1.01E-05	1.38E-06	8.65E-09	1.39E-06	1.23E-11	3.72E-11	2.15E-11	1.57E-14	3.8E-13	2.09E-14	4.1622E-13	3.994E-08	1.0115E-05	1.39E-06	1.0242E-11	5.53066E-14	6.29181E-12	1.13253E-14
553	571550.6	4178599 0.55, 41785	0.42043	0.43954	119.99429	43.92883	16.43506	7.56489	3.53322E-08	2.32E-10	3.56E-08	1.01E-05	2.32E-08	1.01E-05	1.38E-06	8.68E-09	1.39E-06	1.1E-11	3.31E-11	1.92E-11	1.4E-14	3.38E-13	1.86E-14	3.70627E-13	3.556E-08	1.0107E-05	1.39E-06	9.12006E-12	4.92483E-14	5.6026E-12	1.00847E-14
554	571590.6	4178599 0.55, 41785	0.37632	0.39688	100.33698	42.40478	13.86046	7.00095	3.16253E-08	2.10E-10	3.18E-08	8.43E-06	2.24E-08	8.45E-06	1.16E-06	7.32E-09	1.17E-06	9.82E-12	2.97E-11	1.72E-11	1.25E-14	3.03E-13	1.67E-14	3.31761E-13	3.183E-08	8.4545E-06	1.17E-06	8.16368E-12	4.40839E-14	5.01508E-12	9.02715E-15
555	570310.6	4178639 0.55, 41786	0.10356	0.08559	83.92303	29.66661	10.49038	3.70833	8.703E-09	4.52E-11	8.75E-09	7.05E-06	1.57E-08	7.07E-06	8.82E-07	5.54E-09	8.87E-07	2.7E-12	8.15E-12	4.72E-12	3.44E-15	8.31E-14	4.59E-15	9.11678E-14	8.748E-09	7.0684E-06	8.87E-07	2.24337E-12	1.21142E-14	1.37814E-12	2.48065E-15
556	570350.6	4178639 0.55, 41786	0.1161	0.09716	92.63397	32.60646	11.57925	4.08084	9.75684E-09	5.13E-11	9.81E-09	7.78E-06	1.72E-08	7.8E-06	9.73E-07	6.11E-09	9.79E-07	3.03E-12	9.14E-12	5.29E-12	3.86E-15	9.32E-14	5.14E-15	1.02214E-13	9.808E-09	7.802E-06	9.79E-07	2.51519E-12	1.3582E-14	1.54512E-12	2.78122E-15
557	570390.6	4178639 0.55, 41786	0.13068	0.11086	100.54346	34.97331	12.56793	4.70976	1.09821E-08	5.85E-11	1.1E-08	8.45E-06	1.85E-08	8.47E-06	1.06E-06	6.64E-09	1.06E-06	3.41E-12	1.03E-11	5.96E-12	4.34E-15	1.05E-13	5.79E-15	1.15058E-13	1.104E-08	8.468E-06	1.06E-06	2.83125E-12	1.52887E-14	1.73928E-12	3.13071E-15
558	570430.6	4178639 0.55, 41786	0.14929	0.12834	107.49924	37.52244	13.4374	5.36035	1.25461E-08	6.78E-11	1.26E-08	9.03E-06	1.98E-08	9.05E-06	1.13E-06	7.10E-09	1.14E-06	3.89E-12	1.18E-11	6.8E-12	4.96E-15	1.2E-13	6.61E-15	1.31453E-13	1.261E-08	9.0539E-06	1.14E-06	3.23467E-12	1.74672E-14	1.98711E-12	3.5768E-15
559	570470.6	4178639 0.55, 41786	0.17443	0.15183	116.62505	42.4162	14.57813	6.05946	1.46588E-08	8.02E-11	1.47E-08	9.8E-06	2.24E-08	9.82E-06	1.23E-06	7.70E-09	1.23E-06	4.55E-12	1.37E-11	7.95E-12	5.8E-15	1.4E-13	7.73E-15	1.536E-13	1.474E-08	9.8234E-06	1.23E-06	3.77964E-12	2.041E-14	2.32189E-12	4.17941E-15
560	570510.6	4178639 0.55, 41786	0.20768	0.18277	127.00459	48.18252	15.87557	6.71257	1.74531E-08	9.65E-11	1.75E-08	1.07E-05	2.54E-08	1.07E-05	1.33E-06	8.38E-09	1.34E-06	5.42E-12	1.64E-11	9.47E-12	6.9E-15	1.67E-13	9.2E-15	1.8289E-13	1.755E-08	1.0699E-05	1.34E-06	4.50039E-12	2.43021E-14	2.76466E-12	4.97639E-15
561	570550.6	4178639 0.55, 41786	0.2504	0.22269	148.76746	59.99627	18.59593	7.58374	2.10432E-08	1.18E-10	2.12E-08	1.25E-05	3.17E-08	1.25E-05	1.56E-06	9.82E-09	1.57E-06	6.53E-12	1.97E-11	1.14E-11	8.33E-15	2.01E-13	1.11E-14	2.20523E-13	2.116E-08	1.2534E-05	1.57E-06	5.42644E-12	2.93028E-14	3.33355E-12	6.00039E-15
562	570590.6	4178639 0.55, 41786	0.30521	0.27478	162.38276	69.4472	20.29784	10.74133	2.56493E-08	1.45E-10	2.58E-08	1.36E-05	3.67E-08	1.37E-05	1.71E-06	1.07E-08	1.72E-06	7.96E-12	2.4E-11	1.39E-11	1.01E-14	2.45E-13	1.35E-14	2.68812E-13	2.579E-08	1.3683E-05	1.72E-06	6.61468E-12	3.57193E-14	4.06351E-12	7.31431E-15
563	570630.6	4178639 0.55, 41786	0.37839	0.34592	177.15033	78.68271	23.7109	14.16715	3.17992E-08	1.83E-10	3.2E-08	1.49E-05	4.16E-08	1.49E-05	1.99E-06	1.25E-08	2.01E-06	9.87E-12	2.98E-11	1.73E-11	1.26E-14	3.04E-13	1.68E-14	3.33294E-13	3.198E-08	1.4929E-05	2.01E-06	8.20139E-12	4.42875E-14	5.03825E-12	9.06885E-15
564	570670.6	4178639 0.55, 41786	0.47152	0.44129	194.04584	86.02037	27.72083	17.24466	3.96257E-08	2.33E-10	3.99E-08	1.63E-05	4.54E-08	1.64E-05	2.33E-06	1.46E-08	2.34E-06	1.23E-11	3.71E-11	2.15E-11	1.57E-14	3.79E-13	2.09E-14	4.15381E-13	3.986E-08	1.6353E-05	2.34E-06	1.02213E-11	5.51951E-14	6.27912E-12	1.13024E-14
565	570710.6	4178639 0.55, 41786	0.59058	0.57043	207.44684	93.90742	29.63526	21.88085	4.96313E-08	3.01E-10	4.99E-08	1.74E-05	4.96E-08	1.75E-05	2.49E-06	1.57E-08	2.51E-06	1.54E-11	4.65E-11	2.69E-11	1.96E-14	4.75E-13	2.62E-14	5.20363E-13	4.993E-08	1.7483E-05	2.51E-06	1.28046E-11	6.9145E-14	7.86609E-12	1.4159E-14
566	570750.6	4178639 0.55, 41786	0.7421	0.74424	219.27007	107.04803	31.3243	27.05481	6.23648E-08	3.93E-10	6.28E-08	1.84E-05	5.65E-08	1.85E-05	2.63E-06	1.65E-08	2.65E-06	1.94E-11	5.85E-11	3.39E-11	2.47E-14	5.96E-13	3.29E-14	6.54019E-13	6.276E-08	1.8484E-05	2.65E-06	1.60935E-11	8.6905E-14	9.88651E-12	1.77957E-14
567	570790.6	4178639 0.55, 41786	0.94425	0.97087	237.37937	117.94026	33.01145	30.70173	7.93531E-08	5.13E-10	7.99E-08	1.99E-05	6.23E-08	2E-05	2.77E-06	1.74E-08	2.79E-06	2.46E-11	7.44E-11	4.31E-11	3.14E-14	7.59E-13	4.19E-14	8.32307E-13	7.987E-08	2.0011E-05	2.79E-06	2.04807E-11	1.10596E-13	1.25816E-11	2.26469E-14
568	570830.6	4178639 0.55, 41786	1.23329	1.33292	295.25944	130.22679	42.69044	39.99654	1.03644E-07	7.04E-10	1.04E-07	2.48E-05	6.88E-08	2.49E-05	3.59E-06	2.25E-08	3.61E-06	3.22E-11	9.72E-11	5.63E-11	4.11E-14	9.92E-13	5.47E-14	1.08744E-12	1.043E-07	2.4882E-05	3.61E-06	2.67587E-11	1.44497E-13	1.64383E-11	2.95889E-14
569	570870.6	4178639 0.55, 41786	1.50989	1.73214	317.24906	188.19869	58.25942	53.82297	1.26889E-07	9.15E-10	1.28E-07	2.67E-05	9.94E-08	2.68E-05	4.9E-06	3.08E-08	4.93E-06	3.94E-11	1.19E-10	6.89E-11	5.03E-14	1.21E-12	6.7E-14	1.33188E-12	1.278E-07	2.676E-05	4.93E-06	3.27737E-11	1.76978E-13	2.01334E-11	3.62401E-14
570	570910.6	4178639 0.55, 41786	1.78259	1.99297	332.58479	179.86407	63.94152	52.98497	1.49806E-07	1.05E-09	1.51E-07	2.79E-05	9.50E-08	2.8E-05	5.37E-06	3.38E-08	5.41E-06	4.66E-11	1.41E-10	8.14E-11	5.94E-14	1.43E-12	7.91E-14	1.57214E-12	1.509E-07	2.8045E-05	5.41E-06	3.86858E-11	2.08904E-13	2.37653E-11	4.27776E-14
571	570950.6	4178639 0.55, 41786	1.86524	1.94862	326.77204	147.92341	57.64661	41.4452	1.56752E-07	1.03E-09	1.58E-07	2.75E-05	7.81E-08	2.75E-05	4.84E-06	3.04E-08	4.87E-06	4.87E-11	1.47E-10	8.51E-11	6.21E-14	1.5E-12	8.27E-14	1.64428E-12	1.578E-07	2.7539E-05	4.87E-06	4.0461E-11	2.18489E-13	2.48558E-11	4.47405E-14
572	570990.6	4178639 0.55, 41786	1.76592	1.78245	311.73236	122.31574	43.80696	33.57582	1.48405E-07	9.41E-10	1.49E-07	2.62E-05	6.46E-08	2.63E-05	3.68E-06	2.31E-08	3.7E-06	4.61E-11	1.39E-10	8.06E-11	5.88E-14	1.42E-12	7.83E-14	1.55638E-12	1.493E-07	2.6262E-05	3.7E-06	3.82981E-11	2.0681E-13	2.35271E-11	4.23488E-14
573	571030.6	4178639 0.55, 41786	1.5977	1.58915	263.38378	106.70114	40.88022	26.80487	1.34268E-07	8.39E-10	1.35E-07	2.21E-05	5.63E-08	2.22E-05	3.44E-06	2.16E-08	3.46E-06	4.17E-11	1.26E-10	7.29E-11	5.32E-14	1.28E-12	7.08E-14	1.40799E-12	1.351E-07	2.2191E-05	3.46E-06	3.46467E-11	1.87092E-13	2.1284E-11	3.83112E-14
574	571070.6	4178639 0.55, 41786	1.42629	1.41473	323.91584	92.06505	44.84431	24.93328	1.19863E-07	7.47E-10	1.21E-07	2.72E-05	4.86E-08	2.73E-05	3.77E-06	2.37E-08	3.79E-06	3.72E-11	1.12E-10	6.51E-11	4.75E-14	1.15E-12	6.32E-14	1.25692E-12	1.206E-07	2.727E-05	3.79E-06	3.0929E-11	1.67017E-13	1.90002E-11	3.42004E-14
575	571110.6	4178639 0.55, 41786	1.27265	1.25146	231.49813	85.11921	34.4516	22.95032	1.06951E-07	6.61E-10	1.08E-07	1.95E-05	4.50E-08	1.95E-05	2.9E-06	1.82E-08	2.91E-06	3.32E-11	1E-10	5.8E-11	4.23E-14	1.02E-12	5.64E-14	1.12146E-12	1.076E-07	1.95E-05	2.91E-06	2.75959E-11	1.49018E-13	1.69526E-11	3.05147E-14
576	571150.6	4178639 0.55, 41786	1.10067	1.1079	235.36335	78.49538	33.92291	20.75102	9.24984E-08	5.85E-10	9.31E-08	1.98E-05	4.15E-08	1.98E-05	2.85E-06	1.79E-08	2.87E-06	2.87E-11	8.67E-11	5.02E-11	3.66E-14	8.85E-13	4.88E-14	9.70053E-13	9.308E-08	1.9821E-05	2.87E-06	2.38702E-11	1.28899E-13	1.46638E-11	2.63949E-14
577	571190.6	4178639 0.55, 41786	0.96404	0.98605	150.10185	73.9658	22.00887	18.66835	8.10162E-08	5.21E-10	8.15E-08	1.26E-05	3.91E-08	1.27E-05	1.85E-06	1.16E-08	1.86E-06	2.52E-11	7.6E-11	4.4E-11	3.21E-14	7.75E-13	4.27E-14	8.49723E-13	8.154E-08	1.2653E-05	1.86E-06	2.09092E-11	1.1291E-13	1.28449E-11	2.31208E-14
578	571230.6	4178639 0.55, 41786	0.85847	0.87787	130.71922	65.23747	20.98447	16.26127	7.21443E-08	4.64E-10	7.26E-08	1.1E-05	3.45E-08	1.1E-05	1.76E-06	1.11E-08	1.77E-06	2.24E-11	6.77E-11	3.92E-11	2.86E-14	6.9E-13	3.81E-14	7.5667E-13	7.261E-08	1.102E-05	1.77E-06	1.86195E-11	1.00545E-13	1.14382E-11	2.05888E-14
579	571270.6	4178639 0.55, 41786	0.76521	0.78388	147.71702	61.52416	22.46264	14.29709	6.43069E-08	4.14E-10	6.47E-08	1.24E-05	3.25E-08	1.24E-05	1.89E-06	1.19E-08	1.9E-06	2E-11	6.03E-11	3.49E-11	2.55E-14	6.15E-13	3.39E-14	6.74477E-13	6.472E-08	1.2446E-05	1.9E-06	1.65969E-11	8.96234E-14	1.01958E-11	1.83524E-14
580	571310.6	4178639 0.55, 41786	0.67814	0.70066	136.41117	59.8434	17.34958	13.40052	5.69897E-08	3.70E-10	5.74E-08	1.15E-05	3.16E-08	1.15E-05	1.46E-06	9.16E-09	1.47E-06	1.77E-11	5.34E-11	3.09E-11	2.26E-14	5.45E-13	3.01E-14	5.97764E-13	5.736E-08	1.1495E-05	1.47E-06	1.47092E-11	7.94299E-14	9.03612E-12	1.6265E-14
581	571350.6	4178639 0.55, 41786	0.60279	0.6273	124.67819	56.4143	15.58477	12.33978	5.06574E-08	3.31E-10	5.1E-08	1.05E-05	2.98E-08	1.05E-05	1.31E-06	8.23E-09	1.32E-06	1.57E-11	4.75E-11	2.75E-11	2.01E-14	4.85E-13	2.67E-14	5.31369E-13	5.099E-08	1.0508E-05	1.32E-06	1.30755E-11	7.06075E-14	8.03247E-12	1.44584E-14
582	571390.6	4178639 0.55, 41786	0.54567	0.56561	134.64293	53.30447	19.4501	11.04071	4.58572E-08	2.99E-10	4.62E-08	1.13E-05	2.81E-08	1.13E-05	1.63E-06	1.03E-08	1.64E-06	1.42E-11	4.3E-11	2.49E-11	1.82E-14	4.39E-13	2.42E-14	4.81005E-13	4.616E-08	1.1343E-05	1.64E-06	1.18361E-11	6.39151E-14	7.27113E-12	1.3088E-14
583	571430.6	4178639 0.55, 41786	0.50035	0.51255	147.79016	50.85435	20.77571	9.97795	4.20485E-08	2.71E-10	4.23E-08	1.24E-05	2.69E-08	1.24E-05	1.75E-06	1.10E-08	1.76E-06	1.31E-11	3.94E-11	2.28E-11	1.67E-14	4.02E-13	2.22E-14	4.41022E-13	4.232E-08	1.2447E-05	1.76E-06	1.08523E-11	5.86023E-14	6.66673E-12	1.20001E-14
584	571470.6	4178639 0.55, 41786	0.45884	0.46513	118.76181	47.03177	16.94782	8.9119	3.85601E-08	2.46E-10	3.88E-08	9.98E-06	2.48E-08	1E-05	1.42E-06	8.95E-09	1.43E-06	1.2E-11	3.62E-11	2.09E-11	1.53E-14	3.69E-13	2.03E-14	4.04407E-13	3.881E-08	1.0005E-05	1.43E-06	9.95128E-12	5.37369E-14	6.11323E-12	1.10038E-14
585	571510.6	4178639 0.55, 41786	0.41516	0.4204	105.04191	43.02213	15.00599	7.61313	3.48893E-08	2.22E-10	3.51E-08	8.83E-06	2.27E-08	8.85E-06	1.26E-06	7.92E-09	1.27E-06	1.08E-11	3.27E-11	1.89E-11	1.38E-14	3.34E-13	1.84E-14	3.65906E-13	3.511E-08	8.8503E-06	1.27E-06	9.00389E-12	4.8621E-14	5.53124E-12	9.95623E-15
586	571550.6	4178639 0.55, 41786	0.37489	0.38245	101.59712	41.64808	13.25702	7.0054	3.15051E-08	2.02E-10	3.17E-08	8.54E-06	2.20E-08	8.56E-06	1.11E-06	7.00E-09	1.12E-06	9.78E-12	2.95E-11	1.71E-11	1.25E-14	3.01E-13	1.66E-14	3.3043E-13	3.171E-08	8.56E-06	1.12E-06	8.13091E-12	4.39069E-14	4.99495E-12	8.99091E-15
587	571590.6	4178639 0.55, 41786	0.33863	0.34937	106.83121	40.48294	14.45913	6.53587	2.84579E-08	1.84E-10	2.86E-08	8.98E-06	2.14E-08	9E-06	1.22E-06	7.64E-09	1.22E-06	8.84E-12	2.67E-11	1.54E-11	1.13E-14	2.72E-13	1.5E-14	2.98491E-13	2.864E-08	8.9993E-06	1.22E-06	7.345E-12	3.9663E-14	4.51216E-12	8.12188E-15
588	570310.6	4178679 0.55, 41786	0.10291	0.0869	88.39628	30.98258	11.04953	4.21243	8.64838E-09	4.59E-11	8.69E-09	7.43E-06	1.64E-08	7.45E-06	9.29E-07	5.84E-09	9.34E-07	2.68E-12	8.1E-12	4.69E-12	3.42E-15	8.26E-14	4.56E-15	9.06058E-14	8.694E-09	7.445E-06	9.34E-07	2.22954E-12	1.20395E-14	1.36965E-12	2.46536E-15
589	570350.6	4178679 0.55, 41786	0.11574	0.09888	93.23081	33.32166	11.65385	4.76024	9.72659E-09	5.22E-11	9.78E-09	7.83E-06	1.76E-08	7.85E-06	9.79E-07	6.15E-09	9.86E-07	3.02E-12	9.11E-12	5.27E-12	3.85E-15	9.29E-14	5.13E-15	1.01908E-13	9.779E-09	7.8526E-06	9.86E-07	2.50766E-12	1.35414E-14	1.5405E-12	2.77289E-15
590	570390.6	4178679 0.55, 41786	0.13137	0.11361	99.39798	36.831	12.42475	5.26157	1.10401E-08	6.00E-11	1.11E-08	8.35E-06	1.95E-08	8.37E-06	1.04E-06	6.56E-09	1.05E-06	3.43E-12	1.03E-11	5.99E-12	4.37E-15	1.05E-13	5.82E-15	1.15678E-13	1.11E-08	8.3727E-06	1.05E-06	2.84649E-12	1.53711E-14	1.74865E-12	3.14756E-15
591	570430.6	4178679 0.55, 41786	0.15074	0.13191	105.99103	39.73692	13.24888	5.6767	1.26679E-08	6.97E-11	1.27E-08	8.91E-06	2.10E-08	8.93E-06	1.11E-06	7.00E-09	1.12E-06	3.93E-12	1.19E-11	6.87E-12	5.01E-15	1.21E-13	6.68E-15	1.32742E-13	1.274E-08	8.9283E-06	1.12E-06	3.26641E-12	1.76386E-14	2.00661E-12	3.61189E-15
592	570470.6	4178679 0.55, 41786	0.17494	0.15487	121.69462	47.75873	15.21183	5.96984	1.47017E-08	8.18E-11	1.48E-08	1.02E-05	2.52E-08	1.03E-05	1.28E-06	8.03E-09	1.29E-06	4.56E-12	1.38E-11	7.97E-12	5.82E-15	1.4E-13	7.75E-15	1.54063E-13	1.478E-08	1.0252E-05	1.29E-06	3.79104E-12	2.04716E-14	2.3289E-12	4.19202E-15
593	570510.6	4178679 0.55, 41786	0.2057	0.18414	135.37794	56.46386	16.92224	7.12807	1.72867E-08	9.72E-11	1.74E-08	1.14E-05	2.98E-08	1.14E-05	1.42E-06	8.94E-09	1.43E-06	5.36E-12	1.62E-11	9.38E-12	6.84E-15	1.65E-13	9.11E-15	1.81163E-13	1.738E-08	1.1407E-05	1.43E-06	4.4579E-12	2.40727E-14	2.73856E-12	4.92941E-15
594	570550.6	4178679 0.55, 41786	0.2434	0.22078	142.10791	62.60325	17.76349	9.55219	2.04549E-08	1.17E-10	2.06E-08	1.19E-05	3.31E-08	1.2E-05	1.49E-06	9.38E-09	1.5E-06	6.35E-12	1.92E-11	1.11E-11	8.09E-15	1.96E-13	1.08E-14	2.14382E-13	2.057E-08	1.1976E-05	1.5E-06	5.27532E-12	2.84867E-14	3.24072E-12	5.83329E-15
595	570590.6	4178679 0.55, 41786	0.29132	0.2684	157.44437	70.02377	21.20731	12.01595	2.4482E-08	1.42E-10	2.46E-08	1.32E-05	3.70E-08	1.33E-05	1.78E-06	1.12E-08	1.79E-06	7.6E-12	2.29E-11	1.33E-11	9.69E-15	2.34E-13	1.29E-14	2.56612E-13	2.462E-08	1.3268E-05	1.79E-06	6.31448E-12	3.40982E-14	3.87909E-12	6.98236E-15
596	570630.6	4178679 0.55, 41786	0.34871	0.32823	170.78411	74.6949	24.39773	14.09383	2.9305E-08	1.73E-10	2.95E-08	1.44E-05	3.94E-08	1.44E-05	2.05E-06	1.29E-08	2.06E-06	9.1E-12	2.75E-11	1.59E-11	1.16E-14	2.8E-13	1.55E-14	3.07203E-13	2.948E-08	1.4392E-05	2.06E-06	7.55937E-12	4.08206E-14	4.64384E-12	8.35892E-15
597	570670.6	4178679 0.55, 41786	0.41782	0.40379	181.29369	80.27499	25.8991	15.99045	3.51129E-08	2.13E-10	3.53E-08	1.52E-05	4.24E-08	1.53E-05	2.18E-06	1.37E-08	2.19E-06	1.09E-11	3.29E-11	1.91E-11	1.39E-14	3.36E-13	1.85E-14	3.68145E-13	3.533E-08	1.5278E-05	2.19E-06	9.05897E-12	4.89184E-14	5.56507E-12	1.00171E-14
598	570710.6	4178679 0.55, 41786	0.49876	0.49687	185.88712	90.92914	26.5553	19.21501	4.19149E-08	2.62E-10	4.22E-08	1.56E-05	4.80E-08	1.57E-05	2.23E-06	1.40E-08	2.25E-06	1.3E-11	3.93E-11	2.27E-11	1.66E-14	4.01E-13	2.21E-14	4.39543E-13	4.218E-08	1.567E-05	2.25E-06	1.08159E-11	5.84058E-14	6.64437E-12	1.19599E-14
599	570750.6	4178679 0.55, 41786	0.59336	0.60818	195.07014	97.11431	27.40212	20.89244	4.98649E-08	3.21E-10	5.02E-08	1.64E-05	5.13E-08	1.64E-05	2.3E-06	1.45E-08	2.32E-06	1.55E-11	4.68E-11	2.71E-11	1.97E-14	4.77E-13	2.63E-14	5.23006E-13	5.019E-08	1.6445E-05	2.32E-06	1.28696E-11	6.94961E-14	7.90603E-12	1.42309E-14
600	570790.6	4178679 0.55, 41786	0.71288	0.74367	232.56486	100.08812	29.70634	25.09865	5.99092E-08	3.93E-10	6.03E-08	1.95E-05	5.29E-08	1.96E-05	2.5E-06	1.57E-08	2.51E-06	1.86E-11	5.62E-11	3.25E-11	2.37E-14	5.73E-13	3.16E-14	6.28426E-13	6.03E-08	1.9597E-05	2.51E-06	1.54637E-11	8.35041E-14	9.49962E-12	1.70993E-14
601	570830.6	4178679 0.55, 41786	0.82835	0.8948	250.25968	113.32691	36.36599	33.16876	6.96131E-08	4.73E-10	7.01E-08	2.1E-05	5.98E-08	2.11E-05	3.06E-06	1.92E-08	3.08E-06	2.16E-11	6.53E-11	3.78E-11	2.76E-14	6.66E-13	3.67E-14	7.30385E-13	7.009E-08	2.1091E-05	3.08E-06	1.79726E-11	9.70523E-14	1.10409E-11	1.98736E-14
602	570870.6	4178679 0.55, 41786	0.92801	1.04065	269.45277	158.88347	39.41339	35.15016	7.79884E-08	5.50E-10	7.85E-08	2.26E-05	8.39E-08	2.27E-05	3.31E-06	2.08E-08	3.33E-06	2.42E-11	7.32E-11	4.24E-11	3.09E-14	7.46E-13	4.12E-14	8.18469E-13	7.854E-08	2.2728E-05	3.33E-06	2.01401E-11	1.08757E-13	1.23724E-11	2.22703E-14
603	570910.6	4178679 0.55, 41786	1.03394	1.13081	259.70616	144.94226	42.20689	35.5523	8.68905E-08	5.97E-10	8.75E-08	2.18E-05	7.65E-08	2.19E-05	3.55E-06	2.23E-08	3.57E-06	2.7E-11	8.15E-11	4.72E-11	3.44E-14	8.31E-13	4.59E-14	9.11737E-13	8.749E-08	2.1902E-05	3.57E-06	2.24352E-11	1.2115E-13	1.37823E-11	2.48082E-14
604	570950.6	4178679 0.55, 41786	1.05684	1.13643	242.80014	123.49716	39.92153	30.15323	8.8815E-08	6.00E-10	8.94E-08	2.04E-05	6.52E-08	2.05E-05	3.35E-06	2.11E-08	3.38E-06	2.76E-11	8.33E-11	4.82E-11	3.52E-14	8.5E-13	4.69E-14	9.31824E-13	8.942E-08	2.047E-05	3.38E-06	2.29295E-11	1.23819E-13	1.40859E-11	2.53547E-14
605	570990.6	4178679 0.55, 41786	1.01802	1.09421	255.86386	105.93706	37.15781	26.85338	8.55526E-08	5.78E-10	8.61E-08	2.15E-05	5.59E-08	2.16E-05	3.12E-06	1.96E-08	3.14E-06	2.66E-11	8.03E-11	4.65E-11	3.39E-14	8.19E-13	4.52E-14	8.97593E-13	8.613E-08	2.1558E-05	3.14E-06	2.20872E-11	1.19271E-13	1.35685E-11	2.44233E-14
606	571030.6	4178679 0.55, 41786	0.98373	1.03259	224.24787	96.85684	32.03518	21.71644	8.2671E-08	5.45E-10	8.32E-08	1.88E-05	5.11E-08	1.89E-05	2.69E-06	1.69E-08	2.71E-06	2.57E-11	7.75E-11	4.49E-11	3.27E-14	7.91E-13	4.36E-14	8.67223E-13	8.322E-08	1.8897E-05	2.71E-06	2.13398E-11	1.15235E-13	1.31094E-11	2.35969E-14
607	571070.6	4178679 0.55, 41786	0.92088	0.95493	234.21131	81.25508	29.84103	18.74017	7.73892E-08	5.04E-10	7.79E-08	1.97E-05	4.29E-08	1.97E-05	2.51E-06	1.58E-08	2.52E-06	2.4E-11	7.26E-11	4.2E-11	3.06E-14	7.4E-13	4.08E-14	8.11752E-13	7.789E-08	1.9726E-05	2.52E-06	1.99749E-11	1.07864E-13	1.22709E-11	2.20876E-14
608	571110.6	4178679 0.55, 41786	0.85296	0.87816	249.82687	76.90023	32.83771	18.41049	7.16813E-08	4.64E-10	7.21E-08	2.1E-05	4.06E-08	2.1E-05	2.76E-06	1.73E-08	2.78E-06	2.23E-11	6.72E-11	3.89E-11	2.84E-14	6.86E-13	3.78E-14	7.51846E-13	7.215E-08	2.1036E-05	2.78E-06	1.85008E-11	9.99041E-14	1.13653E-11	2.04576E-14
609	571150.6	4178679 0.55, 41786	0.78449	0.80428	184.12399	71.8753	26.94504	17.68151	6.59272E-08	4.25E-10	6.64E-08	1.55E-05	3.80E-08	1.55E-05	2.26E-06	1.42E-08	2.28E-06	2.05E-11	6.18E-11	3.58E-11	2.61E-14	6.31E-13	3.48E-14	6.91474E-13	6.635E-08	1.5511E-05	2.28E-06	1.70152E-11	9.18819E-14	1.04527E-11	1.88149E-14
610	571190.6	4178679 0.55, 41786	0.70872	0.73542	192.12547	69.23049	27.25383	16.04767	5.95596E-08	3.88E-10	5.99E-08	1.61E-05	3.66E-08	1.62E-05	2.29E-06	1.44E-08	2.3E-06	1.85E-11	5.59E-11	3.23E-11	2.36E-14	5.7E-13	3.14E-14	6.24737E-13	5.995E-08	1.6182E-05	2.3E-06	1.5373E-11	8.3014E-14	9.44386E-12	1.69989E-14
611	571230.6	4178679 0.55, 41786	0.64141	0.6715	152.95792	62.82263	21.78847	14.44714	5.3903E-08	3.55E-10	5.43E-08	1.29E-05	3.32E-08	1.29E-05	1.83E-06	1.15E-08	1.84E-06	1.67E-11	5.06E-11	2.93E-11	2.13E-14	5.16E-13	2.84E-14	5.65436E-13	5.426E-08	1.2887E-05	1.84E-06	1.39137E-11	7.51341E-14	8.54743E-12	1.53854E-14
612	571270.6	4178679 0.55, 41786	0.5854	0.61191	124.65244	57.66905	20.54509	12.75642	4.9196E-08	3.23E-10	4.95E-08	1.05E-05	3.05E-08	1.05E-05	1.73E-06	1.08E-08	1.74E-06	1.53E-11	4.61E-11	2.67E-11	1.95E-14	4.71E-13	2.6E-14	5.16055E-13	4.952E-08	1.0506E-05	1.74E-06	1.26986E-11	6.85725E-14	7.80096E-12	1.40417E-14
613	571310.6	4178679 0.55, 41786	0.53447	0.5582	125.80787	55.1913	17.97255	11.70277	4.49159E-08	2.95E-10	4.52E-08	1.06E-05	2.91E-08	1.06E-05	1.51E-06	9.49E-09	1.52E-06	1.4E-11	4.21E-11	2.44E-11	1.78E-14	4.3E-13	2.37E-14	4.71155E-13	4.521E-08	1.0602E-05	1.52E-06	1.15938E-11	6.26063E-14	7.12224E-12	1.282E-14
614	571350.6	4178679 0.55, 41786	0.48504	0.50906	111.39997	53.56601	13.925	11.19981	4.07619E-08	2.69E-10	4.1E-08	9.36E-06	2.83E-08	9.39E-06	1.17E-06	7.35E-09	1.18E-06	1.27E-11	3.82E-11	2.21E-11	1.61E-14	3.9E-13	2.15E-14	4.27595E-13	4.103E-08	9.3901E-06	1.18E-06	1.05219E-11	5.6818E-14	6.46375E-12	1.16347E-14
615	571390.6	4178679 0.55, 41786	0.44312	0.4655	107.51836	51.27371	13.43979	10.40254	3.7239E-08	2.46E-10	3.75E-08	9.04E-06	2.71E-08	9.06E-06	1.13E-06	7.10E-09	1.14E-06	1.16E-11	3.49E-11	2.02E-11	1.47E-14	3.56E-13	1.97E-14	3.90642E-13	3.748E-08	9.0627E-06	1.14E-06	9.61256E-12	5.19078E-14	5.90515E-12	1.06293E-14
616	571430.6	4178679 0.55, 41786	0.41031	0.42684	122.12368	48.88835	17.23844	9.36082	3.44817E-08	2.25E-10	3.47E-08	1.03E-05	2.58E-08	1.03E-05	1.45E-06	9.10E-09	1.46E-06	1.07E-11	3.23E-11	1.87E-11	1.37E-14	3.3E-13	1.82E-14	3.61694E-13	3.471E-08	1.0289E-05	1.46E-06	8.90024E-12	4.80613E-14	5.46757E-12	9.84162E-15
617	571470.6	4178679 0.55, 41786	0.38401	0.39267	130.83453	46.56818	18.03085	8.50414	3.22715E-08	2.07E-10	3.25E-08	1.1E-05	2.46E-08	1.1E-05	1.52E-06	9.52E-09	1.52E-06	1E-11	3.03E-11	1.75E-11	1.28E-14	3.09E-13	1.7E-14	3.38473E-13	3.248E-08	1.102E-05	1.52E-06	8.32884E-12	4.49757E-14	5.11654E-12	9.20977E-15
618	571510.6	4178679 0.55, 41786	0.35733	0.36026	104.69184	43.30646	14.57371	7.68103	3.00294E-08	1.90E-10	3.02E-08	8.8E-06	2.29E-08	8.82E-06	1.22E-06	7.70E-09	1.23E-06	9.33E-12	2.82E-11	1.63E-11	1.19E-14	2.87E-13	1.58E-14	3.14929E-13	3.022E-08	8.821E-06	1.23E-06	7.74948E-12	4.18472E-14	4.76063E-12	8.56913E-15
619	571550.6	4178679 0.55, 41786	0.32923	0.33046	93.91251	40.06683	13.41607	6.60436	2.76679E-08	1.75E-10	2.78E-08	7.89E-06	2.12E-08	7.91E-06	1.13E-06	7.08E-09	1.13E-06	8.59E-12	2.59E-11	1.5E-11	1.1E-14	2.65E-13	1.46E-14	2.90155E-13	2.784E-08	7.9134E-06	1.13E-06	7.13987E-12	3.85553E-14	4.38614E-12	7.89505E-15
620	571590.6	4178679 0.55, 41786	0.30119	0.30402	90.51235	37.8645	11.49242	5.95997	2.53115E-08	1.61E-10	2.55E-08	7.61E-06	2.00E-08	7.63E-06	9.66E-07	6.07E-09	9.72E-07	7.86E-12	2.37E-11	1.37E-11	1E-14	2.42E-13	1.34E-14	2.65452E-13	2.547E-08	7.6265E-06	9.72E-07	6.53201E-12	3.52728E-14	4.01272E-12	7.22289E-15
621	570310.6	4178719 0.55, 41787	0.10285	0.08839	86.08959	31.99227	10.7612	4.57032	8.64334E-09	4.67E-11	8.69E-09	7.23E-06	1.69E-08	7.25E-06	9.04E-07	5.68E-09	9.1E-07	2.68E-12	8.1E-12	4.69E-12	3.42E-15	8.26E-14	4.56E-15	9.05614E-14	8.69E-09	7.2517E-06	9.1E-07	2.22845E-12	1.20336E-14	1.36897E-12	2.46415E-15
622	570350.6	4178719 0.55, 41787	0.11563	0.10049	90.6137	34.18211	11.32671	4.88316	9.71734E-09	5.31E-11	9.77E-09	7.62E-06	1.81E-08	7.63E-06	9.52E-07	5.98E-09	9.58E-07	3.01E-12	9.1E-12	5.27E-12	3.84E-15	9.29E-14	5.12E-15	1.01821E-13	9.77E-09	7.6331E-06	9.58E-07	2.50551E-12	1.35297E-14	1.53917E-12	2.77051E-15
623	570390.6	4178719 0.55, 41787	0.13114	0.11521	102.01088	38.97546	12.75136	5.08393	1.10208E-08	6.08E-11	1.11E-08	8.57E-06	2.06E-08	8.59E-06	1.07E-06	6.73E-09	1.08E-06	3.42E-12	1.03E-11	5.98E-12	4.36E-15	1.05E-13	5.81E-15	1.15485E-13	1.108E-08	8.5934E-06	1.08E-06	2.84175E-12	1.53455E-14	1.74573E-12	3.14232E-15
624	570430.6	4178719 0.55, 41787	0.15	0.13322	114.28488	46.41789	14.28561	5.80224	1.26057E-08	7.04E-11	1.27E-08	9.6E-06	2.45E-08	9.63E-06	1.2E-06	7.54E-09	1.21E-06	3.91E-12	1.18E-11	6.84E-12	4.99E-15	1.2E-13	6.65E-15	1.32102E-13	1.268E-08	9.6288E-06	1.21E-06	3.25064E-12	1.75534E-14	1.99692E-12	3.59445E-15
625	570470.6	4178719 0.55, 41787	0.17288	0.1553	122.16306	52.59309	15.27038	6.67803	1.45285E-08	8.20E-11	1.46E-08	1.03E-05	2.78E-08	1.03E-05	1.28E-06	8.06E-09	1.29E-06	4.51E-12	1.36E-11	7.88E-12	5.75E-15	1.39E-13	7.66E-15	1.52261E-13	1.461E-08	1.0294E-05	1.29E-06	3.7467E-12	2.02322E-14	2.30166E-12	4.14299E-15
626	570510.6	4178719 0.55, 41787	0.1999	0.18201	126.87173	56.8638	15.85897	8.56143	1.67992E-08	9.61E-11	1.69E-08	1.07E-05	3.00E-08	1.07E-05	1.33E-06	8.38E-09	1.34E-06	5.21E-12	1.57E-11	9.11E-12	6.65E-15	1.61E-13	8.86E-15	1.76072E-13	1.69E-08	1.0692E-05	1.34E-06	4.33262E-12	2.33961E-14	2.6616E-12	4.79088E-15
627	570550.6	4178719 0.55, 41787	0.2328	0.21534	141.7684	62.68438	19.27806	10.36338	1.95641E-08	1.14E-10	1.97E-08	1.19E-05	3.31E-08	1.19E-05	1.62E-06	1.02E-08	1.63E-06	6.07E-12	1.83E-11	1.06E-11	7.74E-15	1.87E-13	1.03E-14	2.05069E-13	1.968E-08	1.1947E-05	1.63E-06	5.04615E-12	2.72492E-14	3.09993E-12	5.57988E-15
628	570590.6	4178719 0.55, 41787	0.2704	0.25529	152.6333	65.86327	21.80476	11.76563	2.27239E-08	1.35E-10	2.29E-08	1.28E-05	3.48E-08	1.29E-05	1.83E-06	1.15E-08	1.84E-06	7.05E-12	2.13E-11	1.23E-11	8.99E-15	2.17E-13	1.2E-14	2.38218E-13	2.286E-08	1.2862E-05	1.84E-06	5.86186E-12	3.16541E-14	3.60104E-12	6.48187E-15
629	570630.6	4178719 0.55, 41787	0.31352	0.30328	160.25221	70.5161	22.89317	12.52474	2.63477E-08	1.60E-10	2.65E-08	1.35E-05	3.72E-08	1.35E-05	1.92E-06	1.21E-08	1.94E-06	8.18E-12	2.47E-11	1.43E-11	1.04E-14	2.52E-13	1.39E-14	2.76247E-13	2.651E-08	1.3505E-05	1.94E-06	6.79763E-12	3.67072E-14	4.17589E-12	7.51661E-15
630	570670.6	4178719 0.55, 41787	0.36149	0.3594	159.13882	79.23774	22.73412	14.05012	3.0379E-08	1.90E-10	3.06E-08	1.34E-05	4.18E-08	1.34E-05	1.91E-06	1.20E-08	1.92E-06	9.43E-12	2.85E-11	1.65E-11	1.2E-14	2.91E-13	1.6E-14	3.18567E-13	3.057E-08	1.3416E-05	1.92E-06	7.83901E-12	4.23307E-14	4.81563E-12	8.66814E-15
631	570710.6	4178719 0.55, 41787	0.41184	0.42167	168.39934	82.78202	23.84947	15.22445	3.46103E-08	2.23E-10	3.48E-08	1.42E-05	4.37E-08	1.42E-05	2E-06	1.26E-08	2.02E-06	1.07E-11	3.25E-11	1.88E-11	1.37E-14	3.31E-13	1.83E-14	3.63006E-13	3.483E-08	1.4196E-05	2.02E-06	8.93252E-12	4.82356E-14	5.48739E-12	9.8773E-15
632	570750.6	4178719 0.55, 41787	0.46631	0.48852	193.26616	81.97611	24.83922	16.78199	3.91879E-08	2.58E-10	3.94E-08	1.62E-05	4.33E-08	1.63E-05	2.09E-06	1.31E-08	2.1E-06	1.22E-11	3.68E-11	2.13E-11	1.55E-14	3.75E-13	2.07E-14	4.11078E-13	3.945E-08	1.6285E-05	2.1E-06	1.01154E-11	5.46233E-14	6.21408E-12	1.11853E-14
633	570790.6	4178719 0.55, 41787	0.5297	0.5627	208.56721	92.88706	26.09236	23.00092	4.45151E-08	2.97E-10	4.48E-08	1.75E-05	4.91E-08	1.76E-05	2.19E-06	1.38E-08	2.21E-06	1.38E-11	4.18E-11	2.42E-11	1.76E-14	4.26E-13	2.35E-14	4.67003E-13	4.481E-08	1.7577E-05	2.21E-06	1.14916E-11	6.20545E-14	7.05946E-12	1.2707E-14
634	570830.6	4178719 0.55, 41787	0.58417	0.63922	206.25232	102.59816	28.9378	25.69667	4.90926E-08	3.38E-10	4.94E-08	1.73E-05	5.42E-08	1.74E-05	2.43E-06	1.53E-08	2.45E-06	1.53E-11	4.61E-11	2.67E-11	1.94E-14	4.7E-13	2.59E-14	5.15128E-13	4.943E-08	1.7387E-05	2.45E-06	1.26758E-11	6.84493E-14	7.78695E-12	1.40165E-14
635	570870.6	4178719 0.55, 41787	0.63384	0.71183	208.40577	136.85909	28.70976	24.7437	5.32668E-08	3.76E-10	5.36E-08	1.75E-05	7.23E-08	1.76E-05	2.41E-06	1.52E-08	2.43E-06	1.66E-11	5E-11	2.89E-11	2.11E-14	5.1E-13	2.81E-14	5.59028E-13	5.364E-08	1.7586E-05	2.43E-06	1.37561E-11	7.42827E-14	8.45057E-12	1.5211E-14
636	570910.6	4178719 0.55, 41787	0.68401	0.75343	211.07044	124.31957	30.70854	25.49482	5.7483E-08	3.98E-10	5.79E-08	1.77E-05	6.57E-08	1.78E-05	2.58E-06	1.62E-08	2.6E-06	1.79E-11	5.39E-11	3.12E-11	2.28E-14	5.5E-13	3.03E-14	6.03195E-13	5.788E-08	1.7804E-05	2.6E-06	1.48429E-11	8.01516E-14	9.11822E-12	1.64128E-14
637	570950.6	4178719 0.55, 41787	0.69007	0.76497	207.10313	108.18225	30.79195	24.65468	5.79923E-08	4.04E-10	5.84E-08	1.74E-05	5.71E-08	1.75E-05	2.59E-06	1.63E-08	2.6E-06	1.8E-11	5.44E-11	3.15E-11	2.3E-14	5.55E-13	3.06E-14	6.08566E-13	5.84E-08	1.7462E-05	2.6E-06	1.4975E-11	8.08652E-14	9.19941E-12	1.65589E-14
638	570990.6	4178719 0.55, 41787	0.68048	0.74999	206.58356	95.47159	32.17827	21.60129	5.71864E-08	3.96E-10	5.76E-08	1.74E-05	5.04E-08	1.74E-05	2.7E-06	1.70E-08	2.72E-06	1.78E-11	5.37E-11	3.11E-11	2.27E-14	5.47E-13	3.02E-14	6.00085E-13	5.758E-08	1.7411E-05	2.72E-06	1.47663E-11	7.97382E-14	9.0712E-12	1.63282E-14
639	571030.6	4178719 0.55, 41787	0.66194	0.72353	210.3532	86.11281	30.372	18.42489	5.56283E-08	3.82E-10	5.6E-08	1.77E-05	4.55E-08	1.77E-05	2.55E-06	1.60E-08	2.57E-06	1.73E-11	5.22E-11	3.02E-11	2.2E-14	5.32E-13	2.94E-14	5.83702E-13	5.601E-08	1.7723E-05	2.57E-06	1.43632E-11	7.75613E-14	8.82355E-12	1.58824E-14
640	571070.6	4178719 0.55, 41787	0.64029	0.68839	181.70859	76.31707	22.73215	15.52213	5.38089E-08	3.64E-10	5.42E-08	1.53E-05	4.03E-08	1.53E-05	1.91E-06	1.20E-08	1.92E-06	1.67E-11	5.05E-11	2.92E-11	2.13E-14	5.15E-13	2.84E-14	5.64548E-13	5.417E-08	1.5311E-05	1.92E-06	1.38919E-11	7.50162E-14	8.53401E-12	1.53612E-14
641	571110.6	4178719 0.55, 41787	0.60626	0.64543	207.95149	70.27092	26.16426	14.32632	5.0949E-08	3.41E-10	5.13E-08	1.75E-05	3.71E-08	1.75E-05	2.2E-06	1.38E-08	2.21E-06	1.58E-11	4.78E-11	2.77E-11	2.02E-14	4.87E-13	2.69E-14	5.34508E-13	5.129E-08	1.7513E-05	2.21E-06	1.31527E-11	7.10245E-14	8.07991E-12	1.45438E-14
642	571150.6	4178719 0.55, 41787	0.57256	0.60327	200.64391	66.12781	25.68735	14.52342	4.81169E-08	3.19E-10	4.84E-08	1.69E-05	3.49E-08	1.69E-05	2.16E-06	1.36E-08	2.17E-06	1.49E-11	4.51E-11	2.61E-11	1.91E-14	4.6E-13	2.54E-14	5.04762E-13	4.844E-08	1.6897E-05	2.17E-06	1.24207E-11	6.70719E-14	7.63026E-12	1.37345E-14
643	571190.6	4178719 0.55, 41787	0.53842	0.56251	154.3512	63.9477	22.19645	14.00077	4.52479E-08	2.97E-10	4.55E-08	1.3E-05	3.38E-08	1.3E-05	1.87E-06	1.17E-08	1.88E-06	1.41E-11	4.24E-11	2.46E-11	1.79E-14	4.33E-13	2.39E-14	4.74638E-13	4.554E-08	1.3005E-05	1.88E-06	1.16795E-11	6.30691E-14	7.17489E-12	1.29148E-14
644	571230.6	4178719 0.55, 41787	0.49735	0.52247	159.72675	60.41971	22.34048	12.75874	4.17964E-08	2.76E-10	4.21E-08	1.34E-05	3.19E-08	1.35E-05	1.88E-06	1.18E-08	1.89E-06	1.3E-11	3.92E-11	2.27E-11	1.66E-14	4E-13	2.21E-14	4.38449E-13	4.207E-08	1.3455E-05	1.89E-06	1.0789E-11	5.82604E-14	6.62784E-12	1.19301E-14
645	571270.6	4178719 0.55, 41787	0.45612	0.4836	144.14128	55.22387	20.17616	11.51496	3.83315E-08	2.55E-10	3.86E-08	1.21E-05	2.92E-08	1.21E-05	1.7E-06	1.07E-08	1.71E-06	1.19E-11	3.6E-11	2.08E-11	1.52E-14	3.67E-13	2.02E-14	4.02127E-13	3.859E-08	1.2143E-05	1.71E-06	9.89517E-12	5.34339E-14	6.07876E-12	1.09418E-14
646	571310.6	4178719 0.55, 41787	0.42006	0.44717	118.44349	52.26024	17.97136	10.56882	3.53011E-08	2.36E-10	3.55E-08	9.95E-06	2.76E-08	9.98E-06	1.51E-06	9.49E-09	1.52E-06	1.1E-11	3.31E-11	1.92E-11	1.4E-14	3.38E-13	1.86E-14	3.70345E-13	3.554E-08	9.9814E-06	1.52E-06	9.11312E-12	4.92108E-14	5.59834E-12	1.0077E-14
647	571350.6	4178719 0.55, 41787	0.38785	0.41385	109.17018	50.24459	14.07795	10.0186	3.25942E-08	2.19E-10	3.28E-08	9.17E-06	2.65E-08	9.2E-06	1.18E-06	7.43E-09	1.19E-06	1.01E-11	3.06E-11	1.77E-11	1.29E-14	3.12E-13	1.72E-14	3.41953E-13	3.281E-08	9.201E-06	1.19E-06	8.41446E-12	4.54381E-14	5.16914E-12	9.30445E-15
648	571390.6	4178719 0.55, 41787	0.35875	0.38356	87.70597	48.80309	10.96325	9.64341	3.01487E-08	2.03E-10	3.04E-08	7.37E-06	2.58E-08	7.4E-06	9.21E-07	5.79E-09	9.27E-07	9.37E-12	2.83E-11	1.64E-11	1.19E-14	2.88E-13	1.59E-14	3.163E-13	3.035E-08	7.3964E-06	9.27E-07	7.78323E-12	4.20295E-14	4.78137E-12	8.60646E-15
649	571430.6	4178719 0.55, 41787	0.33385	0.35563	80.9107	47.09106	11.59229	8.99084	2.80562E-08	1.88E-10	2.82E-08	6.8E-06	2.49E-08	6.82E-06	9.74E-07	6.12E-09	9.8E-07	8.72E-12	2.63E-11	1.52E-11	1.11E-14	2.68E-13	1.48E-14	2.9434E-13	2.824E-08	6.8245E-06	9.8E-07	7.24284E-12	3.91113E-14	4.44939E-12	8.00891E-15
650	571470.6	4178719 0.55, 41787	0.31507	0.33052	111.40642	45.19171	15.57659	8.16367	2.64779E-08	1.75E-10	2.67E-08	9.36E-06	2.39E-08	9.39E-06	1.31E-06	8.23E-09	1.32E-06	8.22E-12	2.48E-11	1.44E-11	1.05E-14	2.53E-13	1.4E-14	2.77754E-13	2.665E-08	9.3863E-06	1.32E-06	6.83472E-12	3.69075E-14	4.19868E-12	7.55762E-15
651	571510.6	4178719 0.55, 41787	0.29891	0.30701	116.70467	43.07153	15.95519	7.46065	2.51199E-08	1.62E-10	2.53E-08	9.81E-06	2.27E-08	9.83E-06	1.34E-06	8.43E-09	1.35E-06	7.8E-12	2.36E-11	1.36E-11	9.95E-15	2.4E-13	1.33E-14	2.63472E-13	2.528E-08	9.8304E-06	1.35E-06	6.48328E-12	3.50097E-14	3.98278E-12	7.16901E-15
652	571550.6	4178719 0.55, 41787	0.28299	0.28542	93.20798	40.2806	12.81909	6.80365	2.3782E-08	1.51E-10	2.39E-08	7.83E-06	2.13E-08	7.85E-06	1.08E-06	6.77E-09	1.08E-06	7.39E-12	2.23E-11	1.29E-11	9.42E-15	2.27E-13	1.25E-14	2.4941E-13	2.393E-08	7.8543E-06	1.08E-06	6.13727E-12	3.31412E-14	3.77022E-12	6.7864E-15
653	571590.6	4178719 0.55, 41787	0.2649	0.26495	84.18961	37.57199	12.02709	5.93847	2.22617E-08	1.40E-10	2.24E-08	7.08E-06	1.98E-08	7.09E-06	1.01E-06	6.35E-09	1.02E-06	6.91E-12	2.09E-11	1.21E-11	8.81E-15	2.13E-13	1.17E-14	2.33455E-13	2.24E-08	7.095E-06	1.02E-06	5.74464E-12	3.10211E-14	3.52903E-12	6.35225E-15
654	570310.6	4178759 0.55, 41787	0.10291	0.08971	86.89901	32.22927	10.86238	4.40505	8.64838E-09	4.74E-11	8.7E-09	7.3E-06	1.70E-08	7.32E-06	9.13E-07	5.74E-09	9.19E-07	2.68E-12	8.1E-12	4.69E-12	3.42E-15	8.26E-14	4.56E-15	9.06212E-14	8.696E-09	7.3199E-06	9.19E-07	2.22992E-12	1.20416E-14	1.36988E-12	2.46578E-15
655	570350.6	4178759 0.55, 41787	0.11544	0.10167	97.89636	38.6449	12.23704	4.83061	9.70138E-09	5.37E-11	9.76E-09	8.23E-06	2.04E-08	8.25E-06	1.03E-06	6.46E-09	1.03E-06	3.01E-12	9.09E-12	5.26E-12	3.84E-15	9.27E-14	5.11E-15	1.01661E-13	9.755E-09	8.2474E-06	1.03E-06	2.50157E-12	1.35085E-14	1.53676E-12	2.76616E-15
656	570390.6	4178759 0.55, 41787	0.13027	0.11595	105.67733	44.34348	13.20967	5.54293	1.09477E-08	6.12E-11	1.1E-08	8.88E-06	2.34E-08	8.9E-06	1.11E-06	6.98E-09	1.12E-06	3.4E-12	1.03E-11	5.94E-12	4.33E-15	1.05E-13	5.77E-15	1.14727E-13	1.101E-08	8.9044E-06	1.12E-06	2.8231E-12	1.52448E-14	1.73428E-12	3.1217E-15
657	570430.6	4178759 0.55, 41787	0.14773	0.133	109.21499	48.49986	13.65187	6.24447	1.2415E-08	7.02E-11	1.25E-08	9.18E-06	2.56E-08	9.2E-06	1.15E-06	7.21E-09	1.15E-06	3.85E-12	1.16E-11	6.73E-12	4.91E-15	1.19E-13	6.55E-15	1.30112E-13	1.249E-08	9.2039E-06	1.15E-06	3.20169E-12	1.72891E-14	1.96685E-12	3.54033E-15
658	570470.6	4178759 0.55, 41787	0.16767	0.15301	117.79795	52.53636	14.72474	7.71399	1.40907E-08	8.08E-11	1.42E-08	9.9E-06	2.77E-08	9.93E-06	1.24E-06	7.78E-09	1.25E-06	4.37E-12	1.32E-11	7.64E-12	5.58E-15	1.35E-13	7.43E-15	1.47686E-13	1.417E-08	9.9273E-06	1.25E-06	3.63412E-12	1.96242E-14	2.2325E-12	4.01849E-15
659	570510.6	4178759 0.55, 41787	0.191	0.17712	128.29828	56.17436	17.6792	9.03197	1.60513E-08	9.35E-11	1.61E-08	1.08E-05	2.97E-08	1.08E-05	1.49E-06	9.34E-09	1.5E-06	4.98E-12	1.5E-11	8.71E-12	6.35E-15	1.53E-13	8.46E-15	1.68251E-13	1.614E-08	1.0812E-05	1.5E-06	4.14016E-12	2.23568E-14	2.54337E-12	4.57806E-15
660	570550.6	4178759 0.55, 41787	0.21672	0.20498	137.63049	58.52483	19.6615	9.95092	1.82128E-08	1.08E-10	1.83E-08	1.16E-05	3.09E-08	1.16E-05	1.65E-06	1.04E-08	1.66E-06	5.65E-12	1.71E-11	9.88E-12	7.21E-15	1.74E-13	9.61E-15	1.90929E-13	1.832E-08	1.1597E-05	1.66E-06	4.69821E-12	2.53703E-14	2.88619E-12	5.19514E-15
661	570590.6	4178759 0.55, 41787	0.24504	0.23724	142.23889	62.68425	20.31984	10.25836	2.05927E-08	1.25E-10	2.07E-08	1.2E-05	3.31E-08	1.2E-05	1.71E-06	1.07E-08	1.72E-06	6.39E-12	1.93E-11	1.12E-11	8.15E-15	1.97E-13	1.09E-14	2.15909E-13	2.072E-08	1.1987E-05	1.72E-06	5.3129E-12	2.86896E-14	3.2638E-12	5.87484E-15
662	570630.6	4178759 0.55, 41787	0.27554	0.27375	139.19636	70.02218	19.61007	11.07526	2.31559E-08	1.45E-10	2.33E-08	1.17E-05	3.70E-08	1.17E-05	1.65E-06	1.04E-08	1.66E-06	7.19E-12	2.17E-11	1.26E-11	9.17E-15	2.21E-13	1.22E-14	2.42822E-13	2.33E-08	1.1735E-05	1.66E-06	5.97513E-12	3.22657E-14	3.67062E-12	6.60712E-15
663	570670.6	4178759 0.55, 41787	0.30614	0.31293	149.31547	72.47289	21.10931	12.07881	2.57275E-08	1.65E-10	2.59E-08	1.25E-05	3.83E-08	1.26E-05	1.77E-06	1.11E-08	1.79E-06	7.99E-12	2.41E-11	1.4E-11	1.02E-14	2.46E-13	1.36E-14	2.69836E-13	2.589E-08	1.2586E-05	1.79E-06	6.63989E-12	3.58554E-14	4.07899E-12	7.34219E-15
664	570710.6	4178759 0.55, 41787	0.33494	0.35231	164.794	71.08708	21.55176	13.08376	2.81478E-08	1.86E-10	2.83E-08	1.38E-05	3.75E-08	1.39E-05	1.81E-06	1.14E-08	1.82E-06	8.74E-12	2.64E-11	1.53E-11	1.11E-14	2.69E-13	1.49E-14	2.95276E-13	2.833E-08	1.3887E-05	1.82E-06	7.26588E-12	3.92358E-14	4.46355E-12	8.03439E-15
665	570750.6	4178759 0.55, 41787	0.36674	0.3924	179.38877	78.60477	22.4236	16.36841	3.08202E-08	2.07E-10	3.1E-08	1.51E-05	4.15E-08	1.51E-05	1.88E-06	1.18E-08	1.9E-06	9.57E-12	2.89E-11	1.67E-11	1.22E-14	2.95E-13	1.63E-14	3.23347E-13	3.103E-08	1.5117E-05	1.9E-06	7.95662E-12	4.29657E-14	4.88788E-12	8.79819E-15
666	570790.6	4178759 0.55, 41787	0.40357	0.43625	166.36606	82.34558	21.7564	19.87746	3.39153E-08	2.30E-10	3.41E-08	1.4E-05	4.35E-08	1.4E-05	1.83E-06	1.15E-08	1.84E-06	1.05E-11	3.18E-11	1.84E-11	1.34E-14	3.25E-13	1.79E-14	3.55843E-13	3.415E-08	1.4025E-05	1.84E-06	8.75627E-12	4.72838E-14	5.37912E-12	9.68241E-15
667	570830.6	4178759 0.55, 41787	0.43354	0.48203	188.6599	98.62945	24.95504	19.43466	3.64339E-08	2.55E-10	3.67E-08	1.59E-05	5.21E-08	1.59E-05	2.1E-06	1.32E-08	2.11E-06	1.13E-11	3.42E-11	1.98E-11	1.44E-14	3.49E-13	1.92E-14	3.82343E-13	3.669E-08	1.5907E-05	2.11E-06	9.40834E-12	5.0805E-14	5.7797E-12	1.04035E-14
668	570870.6	4178759 0.55, 41787	0.46387	0.52331	172.12292	120.25167	21.51536	18.67269	3.89828E-08	2.76E-10	3.93E-08	1.45E-05	6.35E-08	1.45E-05	1.81E-06	1.14E-08	1.82E-06	1.21E-11	3.66E-11	2.12E-11	1.54E-14	3.73E-13	2.06E-14	4.09133E-13	3.926E-08	1.4528E-05	1.82E-06	1.00676E-11	5.43648E-14	6.18467E-12	1.11324E-14
669	570910.6	4178759 0.55, 41787	0.49085	0.54778	176.15826	108.72169	23.43896	19.655	4.12502E-08	2.89E-10	4.15E-08	1.48E-05	5.74E-08	1.49E-05	1.97E-06	1.24E-08	1.98E-06	1.28E-11	3.87E-11	2.24E-11	1.63E-14	3.95E-13	2.18E-14	4.32896E-13	4.154E-08	1.4861E-05	1.98E-06	1.06523E-11	5.75225E-14	6.54389E-12	1.1779E-14
670	570950.6	4178759 0.55, 41787	0.48762	0.55475	180.46301	97.04885	24.36206	20.46933	4.09787E-08	2.93E-10	4.13E-08	1.52E-05	5.13E-08	1.52E-05	2.05E-06	1.29E-08	2.06E-06	1.27E-11	3.85E-11	2.23E-11	1.62E-14	3.92E-13	2.16E-14	4.30106E-13	4.127E-08	1.5217E-05	2.06E-06	1.05836E-11	5.71517E-14	6.50171E-12	1.17031E-14
671	570990.6	4178759 0.55, 41787	0.49051	0.55159	151.23194	87.28492	25.20532	17.38113	4.12216E-08	2.91E-10	4.15E-08	1.27E-05	4.61E-08	1.28E-05	2.12E-06	1.33E-08	2.13E-06	1.28E-11	3.87E-11	2.24E-11	1.63E-14	3.95E-13	2.18E-14	4.32619E-13	4.151E-08	1.2755E-05	2.13E-06	1.06455E-11	5.74857E-14	6.5397E-12	1.17715E-14
672	571030.6	4178759 0.55, 41787	0.48428	0.53663	187.58168	78.86438	28.06386	15.68835	4.06981E-08	2.83E-10	4.1E-08	1.58E-05	4.16E-08	1.58E-05	2.36E-06	1.48E-08	2.37E-06	1.26E-11	3.82E-11	2.21E-11	1.61E-14	3.89E-13	2.15E-14	4.27081E-13	4.098E-08	1.5806E-05	2.37E-06	1.05092E-11	5.67498E-14	6.45598E-12	1.16208E-14
673	571070.6	4178759 0.55, 41787	0.467	0.51625	163.79974	72.83551	22.54296	13.46245	3.92459E-08	2.73E-10	3.95E-08	1.38E-05	3.85E-08	1.38E-05	1.89E-06	1.19E-08	1.91E-06	1.22E-11	3.68E-11	2.13E-11	1.55E-14	3.76E-13	2.07E-14	4.11835E-13	3.952E-08	1.3804E-05	1.91E-06	1.01341E-11	5.47239E-14	6.22552E-12	1.12059E-14
674	571110.6	4178759 0.55, 41787	0.44755	0.4933	157.0432	65.36033	19.63651	11.35189	3.76113E-08	2.61E-10	3.79E-08	1.32E-05	3.45E-08	1.32E-05	1.65E-06	1.04E-08	1.66E-06	1.17E-11	3.53E-11	2.04E-11	1.49E-14	3.6E-13	1.99E-14	3.94674E-13	3.787E-08	1.3232E-05	1.66E-06	9.71179E-12	5.24437E-14	5.96611E-12	1.0739E-14
675	571150.6	4178759 0.55, 41787	0.4302	0.46818	183.98767	62.14189	23.05685	11.54043	3.61533E-08	2.47E-10	3.64E-08	1.55E-05	3.28E-08	1.55E-05	1.94E-06	1.22E-08	1.95E-06	1.12E-11	3.39E-11	1.96E-11	1.43E-14	3.46E-13	1.91E-14	3.79341E-13	3.64E-08	1.5495E-05	1.95E-06	9.33449E-12	5.04062E-14	5.73433E-12	1.03218E-14
676	571190.6	4178759 0.55, 41787	0.41561	0.44245	166.33485	59.4631	21.02615	11.70076	3.49271E-08	2.34E-10	3.52E-08	1.4E-05	3.14E-08	1.4E-05	1.77E-06	1.11E-08	1.78E-06	1.08E-11	3.28E-11	1.9E-11	1.38E-14	3.34E-13	1.84E-14	3.66422E-13	3.516E-08	1.401E-05	1.78E-06	9.01658E-12	4.86895E-14	5.53903E-12	9.97025E-15
677	571230.6	4178759 0.55, 41787	0.39577	0.41616	133.04594	57.55284	19.00656	11.25795	3.32598E-08	2.20E-10	3.35E-08	1.12E-05	3.04E-08	1.12E-05	1.6E-06	1.00E-08	1.61E-06	1.03E-11	3.12E-11	1.81E-11	1.32E-14	3.18E-13	1.76E-14	3.48902E-13	3.348E-08	1.1211E-05	1.61E-06	8.58545E-12	4.63614E-14	5.27418E-12	9.49353E-15
678	571270.6	4178759 0.55, 41787	0.36933	0.38979	133.93343	52.76944	18.49966	10.32502	3.10379E-08	2.06E-10	3.12E-08	1.13E-05	2.79E-08	1.13E-05	1.55E-06	9.77E-09	1.56E-06	9.64E-12	2.91E-11	1.69E-11	1.23E-14	2.97E-13	1.64E-14	3.25601E-13	3.124E-08	1.1283E-05	1.56E-06	8.01208E-12	4.32652E-14	4.92195E-12	8.85951E-15
679	571310.6	4178759 0.55, 41787	0.3411	0.36413	131.1619	50.25063	18.11843	9.56125	2.86655E-08	1.92E-10	2.89E-08	1.1E-05	2.65E-08	1.1E-05	1.52E-06	9.57E-09	1.53E-06	8.9E-12	2.69E-11	1.56E-11	1.14E-14	2.74E-13	1.51E-14	3.00736E-13	2.886E-08	1.1049E-05	1.53E-06	7.40023E-12	3.99613E-14	4.54608E-12	8.18295E-15
680	571350.6	4178759 0.55, 41787	0.31543	0.34037	103.20737	47.94128	14.62528	9.08266	2.65082E-08	1.80E-10	2.67E-08	8.67E-06	2.53E-08	8.7E-06	1.23E-06	7.72E-09	1.24E-06	8.24E-12	2.49E-11	1.44E-11	1.05E-14	2.54E-13	1.4E-14	2.78124E-13	2.669E-08	8.6987E-06	1.24E-06	6.84381E-12	3.69566E-14	4.20426E-12	7.56768E-15
681	571390.6	4178759 0.55, 41787	0.29206	0.31801	95.20975	46.26011	11.90122	8.7596	2.45442E-08	1.68E-10	2.47E-08	8E-06	2.44E-08	8.03E-06	1E-06	6.28E-09	1.01E-06	7.63E-12	2.3E-11	1.33E-11	9.72E-15	2.35E-13	1.3E-14	2.57533E-13	2.471E-08	8.0257E-06	1.01E-06	6.33714E-12	3.42206E-14	3.89301E-12	7.00742E-15
682	571430.6	4178759 0.55, 41787	0.27184	0.29676	65.82255	44.97926	8.48847	8.42183	2.2845E-08	1.57E-10	2.3E-08	5.53E-06	2.38E-08	5.56E-06	7.13E-07	4.48E-09	7.18E-07	7.1E-12	2.14E-11	1.24E-11	9.05E-15	2.19E-13	1.21E-14	2.39708E-13	2.3E-08	5.5554E-06	7.18E-07	5.89851E-12	3.1852E-14	3.62355E-12	6.52239E-15
683	571470.6	4178759 0.55, 41787	0.25781	0.27877	74.19853	43.62462	10.92817	7.8818	2.16659E-08	1.47E-10	2.18E-08	6.24E-06	2.30E-08	6.26E-06	9.18E-07	5.77E-09	9.24E-07	6.73E-12	2.03E-11	1.18E-11	8.58E-15	2.07E-13	1.14E-14	2.27321E-13	2.181E-08	6.2586E-06	9.24E-07	5.59372E-12	3.02061E-14	3.43631E-12	6.18536E-15
684	571510.6	4178759 0.55, 41787	0.24715	0.26193	102.14842	42.0514	14.2101	7.23025	2.07701E-08	1.38E-10	2.09E-08	8.58E-06	2.22E-08	8.61E-06	1.19E-06	7.50E-09	1.2E-06	6.45E-12	1.95E-11	1.13E-11	8.23E-15	1.99E-13	1.1E-14	2.17893E-13	2.091E-08	8.6066E-06	1.2E-06	5.36171E-12	2.89532E-14	3.29379E-12	5.92881E-15
685	571550.6	4178759 0.55, 41787	0.23772	0.24585	104.82233	40.15762	14.31586	6.66643	1.99776E-08	1.30E-10	2.01E-08	8.81E-06	2.12E-08	8.83E-06	1.2E-06	7.56E-09	1.21E-06	6.2E-12	1.87E-11	1.08E-11	7.91E-15	1.91E-13	1.05E-14	2.09546E-13	2.011E-08	8.8303E-06	1.21E-06	5.15631E-12	2.78441E-14	3.16761E-12	5.70169E-15
686	571590.6	4178759 0.55, 41787	0.22808	0.23097	83.60184	37.747	11.46846	6.12919	1.91674E-08	1.22E-10	1.93E-08	7.03E-06	1.99E-08	7.05E-06	9.64E-07	6.06E-09	9.7E-07	5.95E-12	1.8E-11	1.04E-11	7.59E-15	1.83E-13	1.01E-14	2.01021E-13	1.929E-08	7.0457E-06	9.7E-07	4.94655E-12	2.67114E-14	3.03874E-12	5.46974E-15
687	570310.6	4178799 0.55, 41787	0.10253	0.09048	92.22772	37.68456	11.52846	4.71057	8.61644E-09	4.78E-11	8.66E-09	7.75E-06	1.99E-08	7.77E-06	9.69E-07	6.09E-09	9.75E-07	2.67E-12	8.07E-12	4.67E-12	3.41E-15	8.23E-14	4.54E-15	9.02927E-14	8.664E-09	7.7706E-06	9.75E-07	2.22184E-12	1.19979E-14	1.36491E-12	2.45684E-15
688	570350.6	4178799 0.55, 41787	0.11434	0.10195	96.42289	41.82094	12.05286	5.22762	9.60894E-09	5.38E-11	9.66E-09	8.1E-06	2.21E-08	8.13E-06	1.01E-06	6.37E-09	1.02E-06	2.98E-12	9E-12	5.21E-12	3.8E-15	9.18E-14	5.07E-15	1.00699E-13	9.663E-09	8.1253E-06	1.02E-06	2.47791E-12	1.33807E-14	1.52222E-12	2.73999E-15
689	570390.6	4178799 0.55, 41787	0.12785	0.11532	96.70849	44.28794	12.08856	5.83168	1.07443E-08	6.09E-11	1.08E-08	8.13E-06	2.34E-08	8.15E-06	1.02E-06	6.38E-09	1.02E-06	3.33E-12	1.01E-11	5.83E-12	4.25E-15	1.03E-13	5.66E-15	1.12604E-13	1.081E-08	8.1506E-06	1.02E-06	2.77087E-12	1.49627E-14	1.70219E-12	3.06394E-15
690	570430.6	4178799 0.55, 41787	0.14288	0.13064	109.4746	48.39009	13.83026	6.97525	1.20074E-08	6.90E-11	1.21E-08	9.2E-06	2.56E-08	9.23E-06	1.16E-06	7.30E-09	1.17E-06	3.73E-12	1.13E-11	6.51E-12	4.75E-15	1.15E-13	6.33E-15	1.25852E-13	1.208E-08	9.2256E-06	1.17E-06	3.09685E-12	1.6723E-14	1.90244E-12	3.4244E-15
691	570470.6	4178799 0.55, 41787	0.15993	0.14857	116.3647	50.80214	16.31235	7.92735	1.34402E-08	7.85E-11	1.35E-08	9.78E-06	2.68E-08	9.81E-06	1.37E-06	8.61E-09	1.38E-06	4.17E-12	1.26E-11	7.29E-12	5.32E-15	1.28E-13	7.09E-15	1.40883E-13	1.352E-08	9.8059E-06	1.38E-06	3.46671E-12	1.87202E-14	2.12966E-12	3.83338E-15
692	570510.6	4178799 0.55, 41787	0.17816	0.16871	124.77861	52.11481	17.82552	8.49382	1.49723E-08	8.91E-11	1.51E-08	1.05E-05	2.75E-08	1.05E-05	1.5E-06	9.41E-09	1.51E-06	4.65E-12	1.4E-11	8.12E-12	5.93E-15	1.43E-13	7.9E-15	1.56959E-13	1.506E-08	1.0514E-05	1.51E-06	3.86231E-12	2.08565E-14	2.37268E-12	4.27082E-15
693	570550.6	4178799 0.55, 41787	0.19752	0.19131	126.89522	56.18657	18.12789	8.51005	1.65992E-08	1.01E-10	1.67E-08	1.07E-05	2.97E-08	1.07E-05	1.52E-06	9.57E-09	1.53E-06	5.15E-12	1.56E-11	9.01E-12	6.57E-15	1.59E-13	8.76E-15	1.74039E-13	1.67E-08	1.0694E-05	1.53E-06	4.28259E-12	2.3126E-14	2.63086E-12	4.73556E-15
694	570590.6	4178799 0.55, 41787	0.21773	0.21627	122.68072	62.5324	17.14296	9.80776	1.82977E-08	1.14E-10	1.84E-08	1.03E-05	3.30E-08	1.03E-05	1.44E-06	9.05E-09	1.45E-06	5.68E-12	1.72E-11	9.93E-12	7.24E-15	1.75E-13	9.65E-15	1.91876E-13	1.841E-08	1.0343E-05	1.45E-06	4.72151E-12	2.54961E-14	2.9005E-12	5.2209E-15
695	570630.6	4178799 0.55, 41787	0.23771	0.24268	133.9153	64.36556	18.95021	10.72759	1.99767E-08	1.28E-10	2.01E-08	1.13E-05	3.40E-08	1.13E-05	1.59E-06	1.00E-08	1.6E-06	6.2E-12	1.87E-11	1.08E-11	7.91E-15	1.91E-13	1.05E-14	2.0952E-13	2.01E-08	1.1288E-05	1.6E-06	5.15567E-12	2.78406E-14	3.16721E-12	5.70098E-15
696	570670.6	4178799 0.55, 41787	0.25595	0.26895	141.94782	63.09907	19.13844	10.57117	2.15096E-08	1.42E-10	2.17E-08	1.19E-05	3.33E-08	1.2E-05	1.61E-06	1.01E-08	1.62E-06	6.68E-12	2.02E-11	1.17E-11	8.52E-15	2.06E-13	1.14E-14	2.25638E-13	2.165E-08	1.1962E-05	1.62E-06	5.55231E-12	2.99825E-14	3.41087E-12	6.13957E-15
697	570710.6	4178799 0.55, 41787	0.27273	0.29382	157.12572	66.69563	19.64072	11.93189	2.29198E-08	1.55E-10	2.31E-08	1.32E-05	3.52E-08	1.32E-05	1.65E-06	1.04E-08	1.66E-06	7.12E-12	2.15E-11	1.24E-11	9.08E-15	2.19E-13	1.21E-14	2.40471E-13	2.307E-08	1.324E-05	1.66E-06	5.91729E-12	3.19534E-14	3.63509E-12	6.54316E-15
698	570750.6	4178799 0.55, 41787	0.29355	0.31916	152.65771	72.44297	19.08221	15.18472	2.46694E-08	1.69E-10	2.48E-08	1.28E-05	3.83E-08	1.29E-05	1.6E-06	1.01E-08	1.61E-06	7.66E-12	2.31E-11	1.34E-11	9.77E-15	2.36E-13	1.3E-14	2.58844E-13	2.484E-08	1.2867E-05	1.61E-06	6.36941E-12	3.43948E-14	3.91283E-12	7.0431E-15
699	570790.6	4178799 0.55, 41787	0.31688	0.34759	157.73005	72.26845	20.13646	16.34526	2.663E-08	1.84E-10	2.68E-08	1.33E-05	3.82E-08	1.33E-05	1.69E-06	1.06E-08	1.7E-06	8.27E-12	2.5E-11	1.45E-11	1.05E-14	2.55E-13	1.41E-14	2.79433E-13	2.681E-08	1.3294E-05	1.7E-06	6.87604E-12	3.71306E-14	4.22406E-12	7.60331E-15
700	570830.6	4178799 0.55, 41787	0.33524	0.37796	162.23746	94.66133	21.09567	14.73083	2.8173E-08	2.00E-10	2.84E-08	1.36E-05	5.00E-08	1.37E-05	1.77E-06	1.11E-08	1.78E-06	8.76E-12	2.64E-11	1.53E-11	1.12E-14	2.7E-13	1.49E-14	2.9568E-13	2.837E-08	1.3684E-05	1.78E-06	7.27582E-12	3.92894E-14	4.46965E-12	8.04538E-15
701	570870.6	4178799 0.55, 41787	0.35595	0.40358	158.80625	107.46352	19.85078	16.70272	2.99134E-08	2.13E-10	3.01E-08	1.33E-05	5.68E-08	1.34E-05	1.67E-06	1.05E-08	1.68E-06	9.3E-12	2.81E-11	1.62E-11	1.19E-14	2.86E-13	1.58E-14	3.13958E-13	3.013E-08	1.3403E-05	1.68E-06	7.7256E-12	4.17183E-14	4.74596E-12	8.54273E-15
702	570910.6	4178799 0.55, 41787	0.3676	0.41723	150.41188	96.98395	18.80149	15.72408	3.08925E-08	2.20E-10	3.11E-08	1.26E-05	5.12E-08	1.27E-05	1.58E-06	9.93E-09	1.59E-06	9.6E-12	2.9E-11	1.68E-11	1.22E-14	2.96E-13	1.63E-14	3.24236E-13	3.111E-08	1.2692E-05	1.59E-06	7.97852E-12	4.3084E-14	4.90133E-12	8.8224E-15
703	570950.6	4178799 0.55, 41787	0.34637	0.40141	159.46188	87.41269	19.93273	16.48069	2.91083E-08	2.12E-10	2.93E-08	1.34E-05	4.62E-08	1.34E-05	1.68E-06	1.05E-08	1.69E-06	9.05E-12	2.73E-11	1.58E-11	1.15E-14	2.79E-13	1.54E-14	3.05556E-13	2.932E-08	1.3447E-05	1.69E-06	7.51885E-12	4.06018E-14	4.61895E-12	8.31412E-15
704	570990.6	4178799 0.55, 41787	0.35579	0.40756	119.48057	79.68844	17.5796	14.60553	2.99E-08	2.15E-10	3.01E-08	1E-05	4.21E-08	1.01E-05	1.48E-06	9.28E-09	1.49E-06	9.29E-12	2.81E-11	1.62E-11	1.18E-14	2.86E-13	1.58E-14	3.1384E-13	3.012E-08	1.0083E-05	1.49E-06	7.72269E-12	4.17025E-14	4.74418E-12	8.53952E-15
705	571030.6	4178799 0.55, 41787	0.37225	0.416	155.14917	72.93395	24.86673	12.948	3.12832E-08	2.20E-10	3.15E-08	1.3E-05	3.85E-08	1.31E-05	2.09E-06	1.31E-08	2.1E-06	9.72E-12	2.94E-11	1.7E-11	1.24E-14	2.99E-13	1.65E-14	3.28302E-13	3.15E-08	1.3077E-05	2.1E-06	8.07856E-12	4.36242E-14	4.96279E-12	8.93302E-15
706	571070.6	4178799 0.55, 41787	0.3594	0.40135	158.59146	67.81733	22.65592	11.74555	3.02034E-08	2.12E-10	3.04E-08	1.33E-05	3.58E-08	1.34E-05	1.9E-06	1.20E-08	1.92E-06	9.39E-12	2.83E-11	1.64E-11	1.2E-14	2.89E-13	1.59E-14	3.16968E-13	3.042E-08	1.3364E-05	1.92E-06	7.79965E-12	4.21181E-14	4.79145E-12	8.62461E-15
707	571110.6	4178799 0.55, 41787	0.34191	0.38638	133.9595	62.41991	16.74494	10.40332	2.87335E-08	2.04E-10	2.89E-08	1.13E-05	3.30E-08	1.13E-05	1.41E-06	8.84E-09	1.42E-06	8.93E-12	2.7E-11	1.56E-11	1.14E-14	2.75E-13	1.52E-14	3.01568E-13	2.894E-08	1.1291E-05	1.42E-06	7.4207E-12	4.00718E-14	4.55866E-12	8.20558E-15
708	571150.6	4178799 0.55, 41787	0.32926	0.37153	140.52662	58.47073	17.56829	9.74512	2.76704E-08	1.96E-10	2.79E-08	1.18E-05	3.09E-08	1.18E-05	1.48E-06	9.28E-09	1.49E-06	8.6E-12	2.6E-11	1.5E-11	1.1E-14	2.65E-13	1.46E-14	2.90407E-13	2.787E-08	1.184E-05	1.49E-06	7.14608E-12	3.85888E-14	4.38995E-12	7.90191E-15
709	571190.6	4178799 0.55, 41787	0.32393	0.35615	162.80337	55.99612	20.37225	9.46414	2.72225E-08	1.88E-10	2.74E-08	1.37E-05	2.96E-08	1.37E-05	1.71E-06	1.08E-08	1.72E-06	8.46E-12	2.55E-11	1.48E-11	1.08E-14	2.6E-13	1.44E-14	2.85655E-13	2.741E-08	1.3711E-05	1.72E-06	7.02913E-12	3.79573E-14	4.31811E-12	7.77259E-15
710	571230.6	4178799 0.55, 41787	0.31732	0.33876	141.0743	54.42569	17.72831	9.52966	2.6667E-08	1.79E-10	2.68E-08	1.19E-05	2.87E-08	1.19E-05	1.49E-06	9.36E-09	1.5E-06	8.28E-12	2.5E-11	1.45E-11	1.06E-14	2.55E-13	1.41E-14	2.7977E-13	2.685E-08	1.1884E-05	1.5E-06	6.88432E-12	3.71753E-14	4.22915E-12	7.61247E-15
711	571270.6	4178799 0.55, 41787	0.30415	0.32027	116.54381	51.24633	16.64912	9.13765	2.55602E-08	1.69E-10	2.57E-08	9.79E-06	2.71E-08	9.82E-06	1.4E-06	8.79E-09	1.41E-06	7.94E-12	2.4E-11	1.39E-11	1.01E-14	2.45E-13	1.35E-14	2.68134E-13	2.573E-08	9.8212E-06	1.41E-06	6.598E-12	3.56292E-14	4.05326E-12	7.29586E-15
712	571310.6	4178799 0.55, 41787	0.28608	0.30211	111.77517	48.08718	15.28029	8.60329	2.40417E-08	1.60E-10	2.42E-08	9.39E-06	2.54E-08	9.42E-06	1.28E-06	8.07E-09	1.29E-06	7.47E-12	2.25E-11	1.31E-11	9.52E-15	2.3E-13	1.27E-14	2.52209E-13	2.42E-08	9.4188E-06	1.29E-06	6.20612E-12	3.3513E-14	3.81252E-12	6.86253E-15
713	571350.6	4178799 0.55, 41787	0.26522	0.28423	116.94553	46.1941	15.97517	8.23917	2.22886E-08	1.50E-10	2.24E-08	9.83E-06	2.44E-08	9.85E-06	1.34E-06	8.44E-09	1.35E-06	6.92E-12	2.09E-11	1.21E-11	8.83E-15	2.13E-13	1.18E-14	2.33841E-13	2.244E-08	9.8523E-06	1.35E-06	5.75415E-12	3.10724E-14	3.53487E-12	6.36276E-15
714	571390.6	4178799 0.55, 41787	0.24309	0.26586	101.64822	44.37475	13.96186	7.97488	2.04289E-08	1.40E-10	2.06E-08	8.54E-06	2.34E-08	8.57E-06	1.17E-06	7.37E-09	1.18E-06	6.35E-12	1.92E-11	1.11E-11	8.09E-15	1.95E-13	1.08E-14	2.14359E-13	2.057E-08	8.5658E-06	1.18E-06	5.27475E-12	2.84836E-14	3.24036E-12	5.83265E-15
715	571430.6	4178799 0.55, 41787	0.22645	0.25105	78.66707	42.96369	10.22882	7.75525	1.90305E-08	1.33E-10	1.92E-08	6.61E-06	2.27E-08	6.63E-06	8.6E-07	5.40E-09	8.65E-07	5.91E-12	1.79E-11	1.03E-11	7.54E-15	1.82E-13	1E-14	1.99704E-13	1.916E-08	6.6337E-06	8.65E-07	4.91414E-12	2.65364E-14	3.01884E-12	5.4339E-15
716	571470.6	4178799 0.55, 41787	0.21325	0.23694	47.64153	41.84289	7.70461	7.45296	1.79212E-08	1.25E-10	1.8E-08	4E-06	2.21E-08	4.03E-06	6.47E-07	4.07E-09	6.52E-07	5.57E-12	1.68E-11	9.73E-12	7.1E-15	1.72E-13	9.46E-15	1.88066E-13	1.805E-08	4.0258E-06	6.52E-07	4.62776E-12	2.49899E-14	2.84291E-12	5.11723E-15
717	571510.6	4178799 0.55, 41787	0.20623	0.22585	71.44774	40.73398	10.29216	7.00806	1.73312E-08	1.19E-10	1.75E-08	6E-06	2.15E-08	6.03E-06	8.65E-07	5.44E-09	8.7E-07	5.38E-12	1.63E-11	9.41E-12	6.87E-15	1.66E-13	9.15E-15	1.81857E-13	1.745E-08	6.0259E-06	8.7E-07	4.47497E-12	2.41649E-14	2.74905E-12	4.94829E-15
718	571550.6	4178799 0.55, 41787	0.19818	0.21228	94.10249	39.35835	13.01678	6.4744	1.66547E-08	1.12E-10	1.68E-08	7.91E-06	2.08E-08	7.93E-06	1.09E-06	6.87E-09	1.1E-06	5.17E-12	1.56E-11	9.04E-12	6.6E-15	1.59E-13	8.79E-15	1.74732E-13	1.677E-08	7.929E-06	1.1E-06	4.29965E-12	2.32181E-14	2.64135E-12	4.75442E-15
719	571590.6	4178799 0.55, 41787	0.19254	0.20073	94.76849	37.66806	12.95063	6.01952	1.61807E-08	1.06E-10	1.63E-08	7.96E-06	1.99E-08	7.98E-06	1.09E-06	6.84E-09	1.1E-06	5.03E-12	1.52E-11	8.78E-12	6.41E-15	1.55E-13	8.54E-15	1.69729E-13	1.629E-08	7.9841E-06	1.1E-06	4.17654E-12	2.25533E-14	2.56572E-12	4.61829E-15
720	570310.6	4178839 0.55, 41788	0.10118	0.0904	86.93136	38.98232	10.86642	4.87279	8.50299E-09	4.77E-11	8.55E-09	7.31E-06	2.06E-08	7.33E-06	9.13E-07	5.74E-09	9.19E-07	2.64E-12	7.97E-12	4.61E-12	3.36E-15	8.13E-14	4.48E-15	8.91099E-14	8.551E-09	7.3261E-06	9.19E-07	2.19274E-12	1.18408E-14	1.34703E-12	2.42466E-15
721	570350.6	4178839 0.55, 41788	0.1118	0.10104	92.10266	41.60712	11.51283	5.43734	9.39548E-09	5.34E-11	9.45E-09	7.74E-06	2.20E-08	7.76E-06	9.68E-07	6.08E-09	9.74E-07	2.92E-12	8.8E-12	5.1E-12	3.72E-15	8.98E-14	4.95E-15	9.84693E-14	9.449E-09	7.7621E-06	9.74E-07	2.42304E-12	1.30844E-14	1.48852E-12	2.67933E-15
722	570390.6	4178839 0.55, 41788	0.12335	0.11299	101.58992	44.39945	13.097	6.32134	1.03661E-08	5.97E-11	1.04E-08	8.54E-06	2.34E-08	8.56E-06	1.1E-06	6.92E-09	1.11E-06	3.22E-12	9.71E-12	5.62E-12	4.1E-15	9.91E-14	5.47E-15	1.0865E-13	1.043E-08	8.5609E-06	1.11E-06	2.67357E-12	1.44373E-14	1.64242E-12	2.95635E-15
723	570430.6	4178839 0.55, 41788	0.13612	0.12663	105.75261	46.22171	15.10752	6.99394	1.14393E-08	6.69E-11	1.15E-08	8.89E-06	2.44E-08	8.91E-06	1.27E-06	7.98E-09	1.28E-06	3.55E-12	1.07E-11	6.21E-12	4.53E-15	1.09E-13	6.03E-15	1.19909E-13	1.151E-08	8.9117E-06	1.28E-06	2.95062E-12	1.59334E-14	1.81261E-12	3.26271E-15
724	570470.6	4178839 0.55, 41788	0.14941	0.1416	113.55911	47.52324	16.22273	7.30549	1.25562E-08	7.48E-11	1.26E-08	9.54E-06	2.51E-08	9.57E-06	1.36E-06	8.57E-09	1.37E-06	3.9E-12	1.18E-11	6.81E-12	4.97E-15	1.2E-13	6.62E-15	1.31631E-13	1.263E-08	9.5684E-06	1.37E-06	3.23906E-12	1.74909E-14	1.9898E-12	3.58165E-15
725	570510.6	4178839 0.55, 41788	0.16314	0.158	114.44641	50.69094	16.21485	7.16417	1.371E-08	8.34E-11	1.38E-08	9.62E-06	2.68E-08	9.64E-06	1.36E-06	8.56E-09	1.37E-06	4.26E-12	1.29E-11	7.44E-12	5.43E-15	1.31E-13	7.23E-15	1.43746E-13	1.379E-08	9.6446E-06	1.37E-06	3.53717E-12	1.91007E-14	2.17294E-12	3.91129E-15
726	570550.6	4178839 0.55, 41788	0.17704	0.17576	109.2842	56.30775	15.45924	8.75778	1.48781E-08	9.28E-11	1.5E-08	9.18E-06	2.97E-08	9.21E-06	1.3E-06	8.16E-09	1.31E-06	4.62E-12	1.39E-11	8.07E-12	5.89E-15	1.42E-13	7.85E-15	1.56017E-13	1.497E-08	9.2138E-06	1.31E-06	3.83913E-12	2.07313E-14	2.35844E-12	4.24519E-15
727	570590.6	4178839 0.55, 41788	0.1907	0.19445	121.04262	57.73789	17.123	9.62298	1.60261E-08	1.03E-10	1.61E-08	1.02E-05	3.05E-08	1.02E-05	1.44E-06	9.04E-09	1.45E-06	4.98E-12	1.5E-11	8.7E-12	6.35E-15	1.53E-13	8.46E-15	1.68083E-13	1.613E-08	1.0203E-05	1.45E-06	4.13604E-12	2.23346E-14	2.54084E-12	4.5735E-15
728	570630.6	4178839 0.55, 41788	0.20316	0.21304	125.84874	56.85617	17.26057	9.47603	1.70732E-08	1.13E-10	1.72E-08	1.06E-05	3.00E-08	1.06E-05	1.45E-06	9.12E-09	1.46E-06	5.3E-12	1.6E-11	9.27E-12	6.76E-15	1.63E-13	9.01E-15	1.79098E-13	1.719E-08	1.0606E-05	1.46E-06	4.40708E-12	2.37982E-14	2.70734E-12	4.87321E-15
729	570670.6	4178839 0.55, 41788	0.21386	0.23043	138.80556	56.19819	17.35069	9.51337	1.79724E-08	1.22E-10	1.81E-08	1.17E-05	2.97E-08	1.17E-05	1.46E-06	9.16E-09	1.47E-06	5.58E-12	1.69E-11	9.76E-12	7.12E-15	1.72E-13	9.49E-15	1.88565E-13	1.809E-08	1.1695E-05	1.47E-06	4.64002E-12	2.50561E-14	2.85044E-12	5.1308E-15
730	570710.6	4178839 0.55, 41788	0.22462	0.24643	139.69865	64.11019	17.46233	11.64998	1.88767E-08	1.30E-10	1.9E-08	1.17E-05	3.39E-08	1.18E-05	1.47E-06	9.22E-09	1.48E-06	5.87E-12	1.77E-11	1.03E-11	7.48E-15	1.81E-13	9.96E-15	1.98076E-13	1.901E-08	1.1774E-05	1.48E-06	4.87408E-12	2.632E-14	2.99422E-12	5.3896E-15
731	570750.6	4178839 0.55, 41788	0.23931	0.26333	129.30344	65.03758	16.25667	13.35444	2.01112E-08	1.39E-10	2.03E-08	1.09E-05	3.43E-08	1.09E-05	1.37E-06	8.59E-09	1.37E-06	6.25E-12	1.89E-11	1.09E-11	7.97E-15	1.92E-13	1.06E-14	2.11034E-13	2.025E-08	1.0901E-05	1.37E-06	5.19294E-12	2.80419E-14	3.19011E-12	5.7422E-15
732	570790.6	4178839 0.55, 41788	0.2546	0.28325	148.04332	66.52984	18.88746	13.10425	2.13961E-08	1.50E-10	2.15E-08	1.24E-05	3.51E-08	1.25E-05	1.59E-06	9.97E-09	1.6E-06	6.65E-12	2.01E-11	1.16E-11	8.48E-15	2.05E-13	1.13E-14	2.24535E-13	2.155E-08	1.2476E-05	1.6E-06	5.52515E-12	2.98358E-14	3.39419E-12	6.10954E-15
733	570830.6	4178839 0.55, 41788	0.26766	0.30497	136.3658	90.38201	17.19519	14.05196	2.24937E-08	1.61E-10	2.27E-08	1.15E-05	4.77E-08	1.15E-05	1.45E-06	9.08E-09	1.45E-06	6.99E-12	2.11E-11	1.22E-11	8.91E-15	2.15E-13	1.19E-14	2.36092E-13	2.265E-08	1.1508E-05	1.45E-06	5.80954E-12	3.13715E-14	3.5689E-12	6.42401E-15
734	570870.6	4178839 0.55, 41788	0.28248	0.32215	145.76117	97.26265	18.22015	15.13016	2.37391E-08	1.70E-10	2.39E-08	1.22E-05	5.14E-08	1.23E-05	1.53E-06	9.62E-09	1.54E-06	7.38E-12	2.23E-11	1.29E-11	9.41E-15	2.27E-13	1.25E-14	2.49166E-13	2.391E-08	1.2301E-05	1.54E-06	6.13125E-12	3.31087E-14	3.76653E-12	6.77975E-15
735	570910.6	4178839 0.55, 41788	0.28799	0.33135	130.6935	87.1686	16.33669	13.50967	2.42022E-08	1.75E-10	2.44E-08	1.1E-05	4.60E-08	1.1E-05	1.37E-06	8.63E-09	1.38E-06	7.52E-12	2.27E-11	1.31E-11	9.59E-15	2.32E-13	1.28E-14	2.54042E-13	2.438E-08	1.1029E-05	1.38E-06	6.25124E-12	3.37567E-14	3.84024E-12	6.91243E-15
736	570950.6	4178839 0.55, 41788	0.28758	0.33724	143.26415	81.64199	17.90802	13.93242	2.41677E-08	1.78E-10	2.43E-08	1.2E-05	4.31E-08	1.21E-05	1.5E-06	9.46E-09	1.51E-06	7.51E-12	2.27E-11	1.31E-11	9.58E-15	2.31E-13	1.28E-14	2.53716E-13	2.435E-08	1.2083E-05	1.51E-06	6.2432E-12	3.37133E-14	3.8353E-12	6.90354E-15
737	570990.6	4178839 0.55, 41788	0.28844	0.33412	115.42228	74.82901	15.11344	13.01217	2.424E-08	1.76E-10	2.44E-08	9.7E-06	3.95E-08	9.74E-06	1.27E-06	7.98E-09	1.28E-06	7.53E-12	2.27E-11	1.32E-11	9.61E-15	2.32E-13	1.28E-14	2.54452E-13	2.442E-08	9.7394E-06	1.28E-06	6.26131E-12	3.38111E-14	3.84643E-12	6.92357E-15
738	571030.6	4178839 0.55, 41788	0.29049	0.32848	122.60648	67.85889	20.43441	11.21527	2.44123E-08	1.73E-10	2.46E-08	1.03E-05	3.58E-08	1.03E-05	1.72E-06	1.08E-08	1.73E-06	7.59E-12	2.29E-11	1.33E-11	9.67E-15	2.34E-13	1.29E-14	2.56216E-13	2.459E-08	1.0339E-05	1.73E-06	6.30473E-12	3.40455E-14	3.8731E-12	6.97157E-15
739	571070.6	4178839 0.55, 41788	0.28682	0.32211	145.80556	62.69899	22.09774	10.44682	2.41039E-08	1.70E-10	2.43E-08	1.23E-05	3.31E-08	1.23E-05	1.86E-06	1.17E-08	1.87E-06	7.49E-12	2.26E-11	1.31E-11	9.55E-15	2.31E-13	1.27E-14	2.52967E-13	2.427E-08	1.2286E-05	1.87E-06	6.22477E-12	3.36138E-14	3.82398E-12	6.88316E-15
740	571110.6	4178839 0.55, 41788	0.272	0.3104	131.09883	59.8466	17.36249	9.97443	2.28584E-08	1.64E-10	2.3E-08	1.1E-05	3.16E-08	1.1E-05	1.46E-06	9.17E-09	1.47E-06	7.1E-12	2.15E-11	1.24E-11	9.06E-15	2.19E-13	1.21E-14	2.39923E-13	2.302E-08	1.1049E-05	1.47E-06	5.90381E-12	3.18806E-14	3.62681E-12	6.52825E-15
741	571150.6	4178839 0.55, 41788	0.26	0.30055	99.99815	55.57889	12.49977	9.26315	2.18499E-08	1.59E-10	2.2E-08	8.4E-06	2.94E-08	8.43E-06	1.05E-06	6.60E-09	1.06E-06	6.79E-12	2.05E-11	1.19E-11	8.66E-15	2.09E-13	1.15E-14	2.29359E-13	2.201E-08	8.433E-06	1.06E-06	5.64387E-12	3.04769E-14	3.46712E-12	6.24081E-15
742	571190.6	4178839 0.55, 41788	0.2552	0.29099	127.82601	53.11626	15.97966	8.85271	2.14466E-08	1.54E-10	2.16E-08	1.07E-05	2.81E-08	1.08E-05	1.34E-06	8.44E-09	1.35E-06	6.67E-12	2.01E-11	1.17E-11	8.5E-15	2.05E-13	1.13E-14	2.25103E-13	2.16E-08	1.077E-05	1.35E-06	5.53913E-12	2.99113E-14	3.40278E-12	6.125E-15
743	571230.6	4178839 0.55, 41788	0.25406	0.28009	144.46225	51.51588	18.06666	8.58598	2.13508E-08	1.48E-10	2.15E-08	1.21E-05	2.72E-08	1.22E-05	1.52E-06	9.54E-09	1.53E-06	6.63E-12	2E-11	1.16E-11	8.46E-15	2.04E-13	1.13E-14	2.24045E-13	2.15E-08	1.2168E-05	1.53E-06	5.51308E-12	2.97707E-14	3.38678E-12	6.0962E-15
744	571270.6	4178839 0.55, 41788	0.2507	0.26766	121.82335	49.56018	15.26733	8.26003	2.10684E-08	1.41E-10	2.12E-08	1.02E-05	2.62E-08	1.03E-05	1.28E-06	8.06E-09	1.29E-06	6.54E-12	1.98E-11	1.14E-11	8.34E-15	2.02E-13	1.11E-14	2.21033E-13	2.121E-08	1.0264E-05	1.29E-06	5.43899E-12	2.93706E-14	3.34126E-12	6.01427E-15
745	571310.6	4178839 0.55, 41788	0.24184	0.25433	103.21026	44.65355	14.74432	7.58702	2.03238E-08	1.34E-10	2.05E-08	8.67E-06	2.36E-08	8.7E-06	1.24E-06	7.79E-09	1.25E-06	6.31E-12	1.91E-11	1.1E-11	8.05E-15	1.94E-13	1.07E-14	2.13201E-13	2.046E-08	8.6972E-06	1.25E-06	5.24625E-12	2.83297E-14	3.22286E-12	5.80114E-15
746	571350.6	4178839 0.55, 41788	0.22797	0.24079	99.0464	44.12829	14.35742	7.39344	1.91582E-08	1.27E-10	1.93E-08	8.32E-06	2.33E-08	8.35E-06	1.21E-06	7.58E-09	1.21E-06	5.95E-12	1.8E-11	1.04E-11	7.59E-15	1.83E-13	1.01E-14	2.00979E-13	1.929E-08	8.347E-06	1.21E-06	4.94551E-12	2.67057E-14	3.03811E-12	5.46859E-15
747	571390.6	4178839 0.55, 41788	0.21103	0.22733	102.76287	42.76623	13.91866	7.25999	1.77346E-08	1.20E-10	1.79E-08	8.64E-06	2.26E-08	8.66E-06	1.17E-06	7.35E-09	1.18E-06	5.51E-12	1.66E-11	9.63E-12	7.02E-15	1.7E-13	9.36E-15	1.86069E-13	1.785E-08	8.6586E-06	1.18E-06	4.57862E-12	2.47245E-14	2.81272E-12	5.06289E-15
748	571430.6	4178839 0.55, 41788	0.19469	0.21494	96.70075	41.37793	13.13698	7.12068	1.63614E-08	1.14E-10	1.65E-08	8.13E-06	2.19E-08	8.15E-06	1.1E-06	6.94E-09	1.11E-06	5.08E-12	1.54E-11	8.89E-12	6.48E-15	1.57E-13	8.64E-15	1.7169E-13	1.647E-08	8.1484E-06	1.11E-06	4.2248E-12	2.28139E-14	2.59536E-12	4.67165E-15
749	571470.6	4178839 0.55, 41788	0.18137	0.20392	77.02264	40.18933	10.5662	6.94319	1.5242E-08	1.08E-10	1.53E-08	6.47E-06	2.12E-08	6.49E-06	8.88E-07	5.58E-09	8.94E-07	4.74E-12	1.43E-11	8.28E-12	6.04E-15	1.46E-13	8.05E-15	1.59964E-13	1.535E-08	6.4941E-06	8.94E-07	3.93625E-12	2.12558E-14	2.4181E-12	4.35259E-15
750	571510.6	4178839 0.55, 41788	0.17253	0.19446	52.60803	39.21497	7.34906	6.67327	1.44991E-08	1.03E-10	1.46E-08	4.42E-06	2.07E-08	4.44E-06	6.18E-07	3.88E-09	6.21E-07	4.51E-12	1.36E-11	7.88E-12	5.74E-15	1.39E-13	7.66E-15	1.5217E-13	1.46E-08	4.4418E-06	6.21E-07	3.74447E-12	2.02201E-14	2.30029E-12	4.14051E-15
751	571550.6	4178839 0.55, 41788	0.16797	0.18619	68.59481	38.25365	9.65516	6.29212	1.41159E-08	9.83E-11	1.42E-08	5.76E-06	2.02E-08	5.78E-06	8.11E-07	5.10E-09	8.17E-07	4.39E-12	1.32E-11	7.67E-12	5.59E-15	1.35E-13	7.45E-15	1.48131E-13	1.421E-08	5.7848E-06	8.17E-07	3.64507E-12	1.96834E-14	2.23923E-12	4.03061E-15
752	571590.6	4178839 0.55, 41788	0.16271	0.17607	86.9293	37.04871	11.93163	5.86384	1.36739E-08	9.30E-11	1.38E-08	7.31E-06	1.96E-08	7.32E-06	1E-06	6.30E-09	1.01E-06	4.25E-12	1.28E-11	7.43E-12	5.42E-15	1.31E-13	7.22E-15	1.43469E-13	1.377E-08	7.325E-06	1.01E-06	3.53035E-12	1.90639E-14	2.16875E-12	3.90375E-15
753	570839.2	4178446 9.17, 41784	74.46739	6.86955	1115.31188	246.53605	545.24687	92.47095	6.25811E-06	3.63E-09	6.26E-06	9.37E-05	1.30E-07	9.39E-05	4.58E-05	2.88E-07	4.61E-05	1.93E-09	5.83E-09	3.38E-09	2.46E-12	5.95E-11	3.28E-12	6.52556E-11	6.262E-06	9.3859E-05	4.61E-05	1.60575E-09	8.67105E-12	9.86438E-10	1.77559E-12
754	570839.2	4178486 9.17, 41784	72.70489	8.35312	2611.28562	240.43522	1286.82968	90.10385	6.10999E-06	4.41E-09	6.11E-06	0.000219	1.27E-07	0.00022	0.000108	6.80E-07	0.000109	1.89E-09	5.7E-09	3.3E-09	2.41E-12	5.81E-11	3.21E-12	6.37202E-11	6.114E-06	0.00021957	0.000109	1.56797E-09	8.46703E-12	9.63228E-10	1.73381E-12
755	570879.2	4178406 9.17, 41784	9.26791	12.09581	654.37651	281.54322	174.87233	99.71055	7.78859E-07	6.39E-09	7.85E-07	5.5E-05	1.49E-07	5.51E-05	1.47E-05	9.23E-08	1.48E-05	2.42E-10	7.32E-10	4.24E-10	3.09E-13	7.46E-12	4.12E-13	8.18331E-12	7.852E-07	5.5141E-05	1.48E-05	2.01367E-10	1.08738E-12	1.23703E-10	2.22666E-13
756	570879.2	4178446 9.17, 41784	110.98197	13.33715	3333.88644	260.53475	1717.50318	91.01179	9.32673E-06	7.04E-09	9.33E-06	0.00028	1.38E-07	0.00028	0.000144	9.07E-07	0.000145	2.88E-09	8.7E-09	5.03E-09	3.67E-12	8.87E-11	4.89E-12	9.72703E-11	9.334E-06	0.00028031	0.000145	2.39354E-09	1.29251E-11	1.47039E-09	2.6467E-12
757	570879.2	4178486 9.17, 41784	18.42358	13.79846	473.0449	246.35325	141.68031	100.88031	1.54829E-06	7.29E-09	1.56E-06	3.98E-05	1.30E-07	3.99E-05	1.19E-05	7.48E-08	1.2E-05	4.8E-10	1.45E-09	8.39E-10	6.12E-13	1.48E-11	8.16E-13	1.62111E-11	1.556E-06	3.9884E-05	1.2E-05	3.98908E-10	2.15411E-12	2.45056E-10	4.41101E-13
758	570879.2	4178526 9.17, 41785	94.91809	17.71904	3340.71117	271.69492	1490.9797	113.49448	7.97675E-06	9.36E-09	7.99E-06	0.000281	1.43E-07	0.000281	0.000125	7.87E-07	0.000126	2.46E-09	7.44E-09	4.31E-09	3.14E-12	7.59E-11	4.19E-12	8.32258E-11	7.986E-06	0.00028089	0.000126	2.04794E-09	1.10589E-11	1.25809E-09	2.26455E-12
759	570879.2	4178566 9.17, 41785	6.34056	7.84517	517.57011	248.69096	138.67192	92.32789	5.3285E-07	4.14E-09	5.37E-07	4.35E-05	1.31E-07	4.36E-05	1.17E-05	7.32E-08	1.17E-05	1.66E-10	5E-10	2.9E-10	2.11E-13	5.1E-12	2.82E-13	5.59617E-12	5.37E-07	4.3627E-05	1.17E-05	1.37706E-10	7.4361E-13	8.45947E-11	1.52271E-13
760	570919.2	4178366 9.17, 41783	2.36921	8.89638	279.82249	231.14799	50.20448	85.64726	1.99104E-07	4.70E-09	2.04E-07	2.35E-05	1.22E-07	2.36E-05	4.22E-06	2.65E-08	4.25E-06	6.29E-11	1.9E-10	1.1E-10	8.02E-14	1.94E-12	1.07E-13	2.12389E-12	2.038E-07	2.3638E-05	4.25E-06	5.22628E-11	2.82219E-13	3.21059E-11	5.77905E-14
761	570919.2	4178406 9.17, 41784	7.16288	18.51893	387.12304	281.06153	102.95605	123.97591	6.01956E-07	9.78E-09	6.12E-07	3.25E-05	1.48E-07	3.27E-05	8.65E-06	5.44E-08	8.71E-06	1.89E-10	5.7E-10	3.3E-10	2.41E-13	5.81E-12	3.21E-13	6.37509E-12	6.117E-07	3.2682E-05	8.71E-06	1.56873E-10	8.47112E-13	9.63693E-11	1.73465E-13
762	570919.2	4178446 9.17, 41784	30.90779	15.96768	761.46723	266.85593	290.35951	97.37786	2.59744E-06	8.43E-09	2.61E-06	6.4E-05	1.41E-07	6.41E-05	2.44E-05	1.53E-07	2.46E-05	8.04E-10	2.43E-09	1.41E-09	1.03E-12	2.48E-11	1.37E-12	2.71566E-11	2.606E-06	6.4133E-05	2.46E-05	6.68245E-10	3.60852E-12	4.10514E-10	7.38925E-13
763	570919.2	4178486 9.17, 41784	29.57453	18.16179	992.62163	281.14129	425.98322	121.6397	2.48539E-06	9.59E-09	2.49E-06	8.34E-05	1.48E-07	8.36E-05	3.58E-05	2.25E-07	3.6E-05	7.7E-10	2.32E-09	1.35E-09	9.82E-13	2.37E-11	1.31E-12	2.6001E-11	2.495E-06	8.3567E-05	3.6E-05	6.39809E-10	3.45497E-12	3.93045E-10	7.07482E-13
764	570919.2	4178526 9.17, 41785	19.47257	21.77306	427.44744	357.8357	126.47105	151.21701	1.63644E-06	1.15E-08	1.65E-06	3.59E-05	1.89E-07	3.61E-05	1.06E-05	6.68E-08	1.07E-05	5.09E-10	1.54E-09	8.89E-10	6.48E-13	1.57E-11	8.64E-13	1.71737E-11	1.648E-06	3.6111E-05	1.07E-05	4.22595E-10	2.28201E-12	2.59607E-10	4.67292E-13
765	570919.2	4178566 9.17, 41785	68.70701	17.81326	3547.24462	326.79695	1121.59815	123.62419	5.77402E-06	9.41E-09	5.78E-06	0.000298	1.73E-07	0.000298	9.43E-05	5.92E-07	9.48E-05	1.78E-09	5.39E-09	3.12E-09	2.28E-12	5.5E-11	3.03E-12	6.02709E-11	5.783E-06	0.00029828	9.48E-05	1.48309E-09	8.0087E-12	9.11088E-10	1.63996E-12
766	570959.2	4178326 9.17, 41783	2.08146	12.83514	279.67021	252.56813	42.32993	97.81035	1.74922E-07	6.78E-09	1.82E-07	2.35E-05	1.33E-07	2.36E-05	3.56E-06	2.24E-08	3.58E-06	5.61E-11	1.69E-10	9.8E-11	7.15E-14	1.73E-12	9.53E-14	1.89356E-12	1.817E-07	2.3636E-05	3.58E-06	4.6595E-11	2.51613E-13	2.8624E-11	5.15233E-14
767	570959.2	4178366 9.17, 41783	2.97969	11.80225	241.09871	252.07126	42.48046	78.75938	2.50408E-07	6.23E-09	2.57E-07	2.03E-05	1.33E-07	2.04E-05	3.57E-06	2.24E-08	3.59E-06	7.92E-11	2.39E-10	1.38E-10	1.01E-13	2.44E-12	1.35E-13	2.67453E-12	2.566E-07	2.0395E-05	3.59E-06	6.58125E-11	3.55388E-13	4.04297E-11	7.27734E-14
768	570959.2	4178406 9.17, 41784	5.48321	18.00699	312.89849	292.26242	67.10795	111.57482	4.60799E-07	9.51E-09	4.7E-07	2.63E-05	1.54E-07	2.64E-05	5.64E-06	3.54E-08	5.68E-06	1.45E-10	4.38E-10	2.54E-10	1.85E-13	4.47E-12	2.47E-13	4.90124E-12	4.703E-07	2.645E-05	5.68E-06	1.20605E-10	6.51268E-13	7.40897E-11	1.33362E-13
769	570959.2	4178446 9.17, 41784	13.2141	15.9724	471.07205	258.82785	129.31081	100.45092	1.11049E-06	8.43E-09	1.12E-06	3.96E-05	1.37E-07	3.97E-05	1.09E-05	6.83E-08	1.09E-05	3.45E-10	1.04E-09	6.04E-10	4.4E-13	1.06E-11	5.87E-13	1.16607E-11	1.119E-06	3.9725E-05	1.09E-05	2.86935E-10	1.54945E-12	1.76269E-10	3.17284E-13
770	570959.2	4178486 9.17, 41784	61.20406	15.71053	1330.20017	250.50131	539.4281	101.77571	5.14348E-06	8.30E-09	5.15E-06	0.000112	1.32E-07	0.000112	4.53E-05	2.85E-07	4.56E-05	1.59E-09	4.8E-09	2.78E-09	2.03E-12	4.9E-11	2.7E-12	5.36883E-11	5.152E-06	0.00011192	4.56E-05	1.32111E-09	7.13402E-12	8.11582E-10	1.46085E-12
771	570959.2	4178526 9.17, 41785	233.18259	14.04006	3491.90215	258.73899	1687.05022	110.68808	1.95963E-05	7.41E-09	1.96E-05	0.000293	1.37E-07	0.000294	0.000142	8.91E-07	0.000143	6.05E-09	1.83E-08	1.06E-08	7.71E-12	1.86E-10	1.03E-11	2.04296E-10	1.96E-05	0.00029359	0.000143	5.02713E-09	2.71465E-11	3.08825E-09	5.55885E-12
772	570999.2	4178286 9.17, 41782	4.82709	7.01905	541.05323	230.67805	117.6944	82.70868	4.0566E-07	3.71E-09	4.09E-07	4.55E-05	1.22E-07	4.56E-05	9.89E-06	6.22E-08	9.95E-06	1.26E-10	3.81E-10	2.21E-10	1.61E-13	3.89E-12	2.15E-13	4.26614E-12	4.094E-07	4.5591E-05	9.95E-06	1.04977E-10	5.66878E-13	6.44893E-11	1.16081E-13

773	570999.2	4178326	9.17, 41783	3.49216	17.23511	334.8047	281.26172	73.88295	121.01705	2.93475E-07	9.10E-09	3.03E-07	2.81E-05	1.49E-07	2.83E-05	6.21E-06	3.90E-08	6.25E-06	9.34E-11	2.82E-10	1.63E-10	1.19E-13	2.88E-12	1.59E-13	3.15325E-12	3.026E-07	2.8285E-05	6.25E-06	7.75923E-11	4.18998E-13	4.76662E-11	8.57992E-14
774	570999.2	4178366	9.17, 41783	3.49499	15.86199	258.09779	262.50756	51.99585	99.38677	2.93713E-07	8.38E-09	3.02E-07	2.17E-05	1.39E-07	2.18E-05	4.37E-06	2.75E-08	4.4E-06	9.32E-11	2.81E-10	1.63E-10	1.19E-13	2.87E-12	1.58E-13	3.14817E-12	3.021E-07	2.1829E-05	4.4E-06	7.74673E-11	4.18324E-13	4.75894E-11	8.5661E-14
775	570999.2	4178406	9.17, 41784	4.67229	14.08019	269.25985	258.20089	48.54927	90.52886	3.92651E-07	7.44E-09	4E-07	2.26E-05	1.36E-07	2.28E-05	4.08E-06	2.56E-08	4.11E-06	1.23E-10	3.73E-10	2.16E-10	1.57E-13	3.8E-12	2.1E-13	4.16943E-12	4.001E-07	2.2764E-05	4.11E-06	1.02598E-10	5.54027E-13	6.30274E-11	1.13449E-13
776	570999.2	4178446	9.17, 41784	8.21208	17.59623	365.10896	254.50285	80.87758	113.65243	6.90129E-07	9.29E-09	6.99E-07	3.07E-05	1.34E-07	3.08E-05	6.8E-06	4.27E-08	6.84E-06	2.16E-10	6.52E-10	3.77E-10	2.75E-13	6.65E-12	3.67E-13	7.28889E-12	6.994E-07	3.0818E-05	6.84E-06	1.79358E-10	9.68536E-13	1.10183E-10	1.98329E-13
777	570999.2	4178486	9.17, 41784	18.06608	14.21786	585.19163	263.25351	156.20535	101.07997	1.51824E-06	7.51E-09	1.53E-06	4.92E-05	1.39E-07	4.93E-05	1.31E-05	8.25E-08	1.32E-05	4.71E-10	1.42E-09	8.23E-10	6E-13	1.45E-11	8E-13	1.59003E-11	1.526E-06	4.9318E-05	1.32E-05	3.91261E-10	2.11281E-12	2.40358E-10	4.32644E-13
778	571039.2	4178246	9.17, 41782	16.91212	6.90765	857.31055	271.11205	274.95229	93.64332	1.42127E-06	3.65E-09	1.42E-06	7.2E-05	1.43E-07	7.22E-05	2.31E-05	1.45E-07	2.33E-05	4.4E-10	1.33E-09	7.69E-10	5.61E-13	1.35E-11	7.47E-13	1.48495E-11	1.425E-06	7.219E-05	2.33E-05	3.65402E-10	1.97317E-12	2.24473E-10	4.04051E-13
779	571039.2	4178286	9.17, 41782	28.85834	15.10006	1240.055	260.3069	549.80999	92.85324	2.4252E-06	7.97E-09	2.43E-06	0.000104	1.37E-07	0.000104	4.62E-05	2.90E-07	4.65E-05	7.51E-10	2.27E-09	1.31E-09	9.57E-13	2.31E-11	1.28E-12	2.53569E-11	2.433E-06	0.00010435	4.65E-05	6.2396E-10	3.36939E-12	3.83309E-10	6.89956E-13
780	571039.2	4178326	9.17, 41783	6.67676	17.1171	443.85334	276.43557	131.23026	111.87763	5.61103E-07	9.04E-09	5.7E-07	3.73E-05	1.46E-07	3.74E-05	1.1E-05	6.93E-08	1.11E-05	1.76E-10	5.31E-10	3.08E-10	2.24E-13	5.42E-12	2.99E-13	5.94164E-12	5.701E-07	3.7447E-05	1.11E-05	1.46206E-10	7.89515E-13	8.9817E-11	1.61671E-13
781	571039.2	4178366	9.17, 41783	4.40971	16.57374	310.01939	259.88486	73.97776	106.04392	3.70584E-07	8.75E-09	3.79E-07	2.61E-05	1.37E-07	2.62E-05	6.22E-06	3.91E-08	6.26E-06	1.17E-10	3.53E-10	2.05E-10	1.49E-13	3.61E-12	1.99E-13	3.95319E-12	3.793E-07	2.6191E-05	6.26E-06	9.72765E-11	5.25293E-13	5.97585E-11	1.07565E-13
782	571039.2	4178406	9.17, 41784	4.40492	15.47088	249.62047	251.60574	54.55389	95.67705	3.70182E-07	8.17E-09	3.78E-07	2.1E-05	1.33E-07	2.11E-05	4.58E-06	2.88E-08	4.61E-06	1.17E-10	3.53E-10	2.04E-10	1.49E-13	3.6E-12	1.98E-13	3.94293E-12	3.784E-07	2.1111E-05	4.61E-06	9.70239E-11	5.23929E-13	5.96034E-11	1.07286E-13
783	571039.2	4178446	9.17, 41784	6.02235	17.33371	271.18693	258.43077	53.34538	113.33058	5.06108E-07	9.15E-09	5.15E-07	2.28E-05	1.36E-07	2.29E-05	4.48E-06	2.82E-08	4.51E-06	1.59E-10	4.8E-10	2.78E-10	2.03E-13	4.9E-12	2.7E-13	5.36971E-12	5.153E-07	2.2927E-05	4.51E-06	1.32133E-10	7.13517E-13	8.11714E-11	1.46108E-13
784	571079.2	4178246	9.17, 41782	26.90238	12.76385	686.22219	257.40547	294.80616	92.56412	2.26083E-06	6.74E-09	2.27E-06	5.77E-05	1.36E-07	5.78E-05	2.48E-05	1.56E-07	2.49E-05	7E-10	2.11E-09	1.22E-09	8.92E-13	2.16E-11	1.19E-12	2.36311E-11	2.268E-06	5.7805E-05	2.49E-05	5.81492E-10	3.14006E-12	3.5722E-10	6.42996E-13
785	571079.2	4178286	9.17, 41782	49.90964	15.92317	957.6563	283.49226	414.11972	108.09945	4.19432E-06	8.41E-09	4.2E-06	8.05E-05	1.50E-07	8.06E-05	3.48E-05	2.19E-07	3.5E-05	1.3E-09	3.92E-09	2.27E-09	1.65E-12	3.99E-11	2.2E-12	4.3798E-11	4.203E-06	8.0629E-05	3.5E-05	1.07774E-09	5.8198E-12	6.62074E-10	1.19173E-12
786	571079.2	4178326	9.17, 41783	16.67986	14.36437	793.60016	243.70787	313.14105	91.11491	1.40175E-06	7.59E-09	1.41E-06	6.67E-05	1.29E-07	6.68E-05	2.63E-05	1.65E-07	2.65E-05	4.35E-10	1.31E-09	7.6E-10	5.54E-13	1.34E-11	7.39E-13	1.46871E-11	1.409E-06	6.6821E-05	2.65E-05	3.61407E-10	1.9516E-12	2.22018E-10	3.99633E-13
787	571079.2	4178366	9.17, 41783	6.18218	17.09307	419.38901	255.0076	110.95083	108.56867	5.1954E-07	9.03E-09	5.29E-07	3.52E-05	1.35E-07	3.54E-05	9.32E-06	5.86E-08	9.38E-06	1.63E-10	4.92E-10	2.85E-10	2.08E-13	5.02E-12	2.77E-13	5.50836E-12	5.286E-07	3.5379E-05	9.38E-06	1.35545E-10	7.31941E-13	8.32673E-11	1.49881E-13
788	571079.2	4178406	9.17, 41784	4.42977	14.91	310.20505	209.99469	72.09993	91.11305	3.7227E-07	7.87E-09	3.8E-07	2.61E-05	1.11E-07	2.62E-05	6.06E-06	3.81E-08	6.1E-06	1.17E-10	3.54E-10	2.05E-10	1.5E-13	3.61E-12	1.99E-13	3.9616E-12	3.801E-07	2.618E-05	6.1E-06	9.74835E-11	5.26411E-13	5.98857E-11	1.07794E-13
789	571119.2	4178286	9.17, 41782	25.0824	15.07438	507.91812	256.39153	211.8106	106.96205	2.10788E-06	7.96E-09	2.12E-06	4.27E-05	1.35E-07	4.28E-05	1.78E-05	1.12E-07	1.79E-05	6.53E-10	1.97E-09	1.14E-09	8.32E-13	2.01E-11	1.11E-12	2.20499E-11	2.116E-06	4.282E-05	1.79E-05	5.42583E-10	2.92995E-12	3.33318E-10	5.99972E-13
790	571119.2	4178326	9.17, 41783	197.49067	14.51391	3348.29445	230.6601	1622.72219	95.52079	1.65968E-05	7.66E-09	1.66E-05	0.000281	1.22E-07	0.000282	0.000136	8.57E-07	0.000137	5.12E-09	1.55E-08	8.96E-09	6.53E-12	1.58E-10	8.71E-12	1.7304E-10	1.66E-05	0.00028151	0.000137	4.25801E-09	2.29933E-11	2.61577E-09	4.70838E-12
791	571119.2	4178366	9.17, 41783	10.01384	12.46582	630.48898	206.62645	198.58486	83.22549	8.41546E-07	6.58E-09	8.48E-07	5.3E-05	1.09E-07	5.31E-05	1.67E-05	1.05E-07	1.68E-05	2.62E-10	7.9E-10	4.57E-10	3.34E-13	8.06E-12	4.45E-13	8.83862E-12	8.481E-07	5.3094E-05	1.68E-05	2.17493E-10	1.17446E-12	1.33609E-10	2.40497E-13
792	571159.2	4178326	9.17, 41783	219.15803	19.05137	3124.9508	277.70648	1560.39264	128.55095	1.84177E-05	1.01E-08	1.84E-05	0.000263	1.47E-07	0.000263	0.000131	8.24E-07	0.000132	5.69E-09	1.72E-08	9.94E-09	7.25E-12	1.75E-10	9.66E-12	1.92041E-10	1.843E-05	0.00026276	0.000132	4.72557E-09	2.55181E-11	2.903E-09	5.2254E-12
793	570808.8	4178465	8.82, 41784	10.95844	3.34212	1253.90468	193.66587	302.59047	56.7134	9.20928E-07	1.76E-09	9.23E-07	0.000105	1.02E-07	0.000105	2.54E-05	1.60E-07	2.56E-05	2.85E-10	8.6E-10	4.98E-10	3.63E-13	8.77E-12	4.84E-13	9.61568E-12	9.227E-07	0.00010548	2.56E-05	2.36614E-10	1.27772E-12	1.45356E-10	2.6164E-13
794	570823.9	4178530	3.91, 41785	3.05561	3.25593	358.64643	197.99385	70.39413	63.38636	2.56788E-07	1.72E-09	2.59E-07	3.01E-05	1.05E-07	3.02E-05	5.92E-06	3.72E-08	5.95E-06	7.98E-11	2.41E-10	1.39E-10	1.02E-13	2.46E-12	1.36E-13	2.69399E-12	2.585E-07	3.0245E-05	5.95E-06	6.62913E-11	3.57973E-13	4.07238E-11	7.33028E-14
795	570883.3	4178602	3.31, 41786	3.07425	4.49746	479.66242	287.53386	94.76169	103.00469	2.58355E-07	2.38E-09	2.61E-07	4.03E-05	1.52E-07	4.05E-05	7.96E-06	5.00E-08	8.01E-06	8.05E-11	2.43E-10	1.41E-10	1.03E-13	2.48E-12	1.37E-13	2.71715E-12	2.607E-07	4.0462E-05	8.01E-06	6.68611E-11	3.6105E-13	4.10739E-11	7.39329E-14
796	571181.5	4178310	1.45, 41783	77.30582	13.12592	2585.53888	242.23364	872.95261	114.20023	6.49665E-06	6.93E-09	6.5E-06	0.000217	1.28E-07	0.000217	7.34E-05	4.61E-07	7.38E-05	2.01E-09	6.06E-09	3.51E-09	2.56E-12	6.18E-11	3.41E-12	6.77759E-11	6.504E-06	0.00021741	7.38E-05	1.66777E-09	9.00594E-12	1.02454E-09	1.84417E-12
797	571067.8	4178207	7.83, 41782	5.36607	4.9243	895.65181	299.02694	223.56067	96.05921	4.50955E-07	2.60E-09	4.54E-07	7.53E-05	1.58E-07	7.54E-05	1.88E-05	1.18E-07	1.89E-05	1.4E-10	4.23E-10	2.45E-10	1.78E-13	4.31E-12	2.38E-13	4.72665E-12	4.536E-07	7.5427E-05	1.89E-05	1.16309E-10	6.28069E-13	7.14506E-11	1.28611E-13
798	570799.9	4178447	9.89, 41784	4.88888	2.78293	732.83791	152.28075	142.77112	52.0733	4.10853E-07	1.47E-09	4.12E-07	6.16E-05	8.04E-08	6.17E-05	1.2E-05	7.54E-08	1.21E-05	1.27E-10	3.84E-10	2.22E-10	1.62E-13	3.92E-12	2.16E-13	4.29695E-12	4.123E-07	6.1667E-05	1.21E-05	1.05735E-10	5.70971E-13	6.49549E-11	1.16919E-13
799	490186.7	3860535	6.72, 38605	0.00149		8.11608			1.15944	1.25217E-10	0.00E+00	1.25E-10	6.82E-07	0.00E+00	6.82E-07	0	0.00E+00	0	3.86E-14	1.17E-13	6.75E-14	4.93E-17	1.19E-15	6.56E-17	1.30493E-15	1.252E-10	6.8206E-07	0	3.21104E-14	1.73396E-16	1.9726E-14	3.55067E-17

Nickel

	Trenching	Grading
Emissions Rate (g/s):	2.35E-08	1.48E-10

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	0.91	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	0.91	10	2	70	0.85
2<9	631	1	0.854795	0.000001	0.91	3	0.75	70	0.72
Student	520	1	0.493151	0.000001	0.91	3	3	70	1
Worker	230	1	0.684932	0.000001	0.91	1	3	70	1

Nickel

	Chronic (Annu	Acute (1hr)	8hr
REL:	0.014	0.2	0.06

										Concentration (µg/m^3)									Unmitigated										Student		Worker	
				Concentration [µg/m^3] at 1 g/s						Unmitigated									Residential Dose			Risk by Age Group				Unmitigated			Unmitigated		Unmitigated	
#	X	Y	X,Y	Trenching Period	Grading Period	Treching 1hr	Grading 1hr	Trenching 8hr	Grading 8hr	Trenching Period	Grading Period	Period Total	Treching 1hr	Grading 1hr	1hr Total	Trenching 8hr	Grading 8hr	8hr Total	3rd	0<2	2<9	3rd	0<2	2<9	Total Risk	Chronic	Acute	8hr	Dose	Risk	Dose	Risk
1	570310.6	4177919	0.55, 41779	0.08215	0.06425	53.98877	25.74637	6.7486	3.78109	1.92915E-09	9.48E-12	1.94E-09	1.27E-06	3.80E-09	1.27E-06	1.58E-07	9.96E-10	1.59E-07	5.98E-13	1.81E-12	1.05E-12	1.65E-14	3.99E-13	2.2E-14	4.37735E-13	1.385E-07	6.3582E-06	2.66E-06	4.97141E-13	5.81654E-14	3.05402E-13	1.19107E-14
2	570350.6	4177919	0.55, 41779	0.08744	0.06946	61.34869	26.43683	7.66859	3.66465	2.05338E-09	1.03E-11	2.06E-09	1.44E-06	3.90E-09	1.44E-06	1.8E-07	1.13E-09	1.81E-07	6.37E-13	1.92E-12	1.11E-12	1.76E-14	4.25E-13	2.34E-14	4.65958E-13	1.474E-07	7.2229E-06	3.02E-06	5.29194E-13	6.19157E-14	3.25093E-13	1.26786E-14
3	570390.6	4177919	0.55, 41779	0.09273	0.07514	67.57642	27.23616	8.44705	3.80844	2.17761E-09	1.11E-11	2.19E-09	1.59E-06	4.02E-09	1.59E-06	1.98E-07	1.25E-09	2E-07	6.75E-13	2.04E-12	1.18E-12	1.87E-14	4.51E-13	2.49E-14	4.94197E-13	1.563E-07	7.9547E-06	3.33E-06	5.61266E-13	6.56681E-14	3.44795E-13	1.3447E-14
4	570430.6	4177919	0.55, 41779	0.09799	0.08123	71.34976	28.07066	8.91872	4.01428	2.30113E-09	1.20E-11	2.31E-09	1.68E-06	4.14E-09	1.68E-06	2.09E-07	1.32E-09	2.11E-07	7.14E-13	2.16E-12	1.25E-12	1.97E-14	4.76E-13	2.63E-14	5.22291E-13	1.652E-07	8.3984E-06	3.51E-06	5.93172E-13	6.94011E-14	3.64395E-13	1.42114E-14
5	570470.6	4177919	0.55, 41779	0.10292	0.08757	71.34124	28.88227	8.91766	4.18506	2.4169E-09	1.29E-11	2.43E-09	1.68E-06	4.26E-09	1.68E-06	2.09E-07	1.32E-09	2.11E-07	7.5E-13	2.26E-12	1.31E-12	2.07E-14	5E-13	2.76E-14	5.48643E-13	1.736E-07	8.398E-06	3.51E-06	6.231E-13	7.29028E-14	3.82781E-13	1.49284E-14
6	570510.6	4177919	0.55, 41779	0.10719	0.09397	70.57748	29.51269	8.82218	4.31581	2.51718E-09	1.39E-11	2.53E-09	1.66E-06	4.36E-09	1.66E-06	2.07E-07	1.30E-09	2.08E-07	7.81E-13	2.36E-12	1.37E-12	2.16E-14	5.21E-13	2.88E-14	5.71498E-13	1.808E-07	8.3087E-06	3.47E-06	6.49057E-13	7.59396E-14	3.98726E-13	1.55503E-14
7	570550.6	4177919	0.55, 41779	0.11095	0.10041	80.02506	30.00614	10.00313	4.88273	2.60547E-09	1.48E-11	2.62E-09	1.88E-06	4.43E-09	1.88E-06	2.35E-07	1.48E-09	2.36E-07	8.09E-13	2.44E-12	1.41E-12	2.23E-14	5.4E-13	2.98E-14	5.91649E-13	1.872E-07	9.4184E-06	3.94E-06	6.71943E-13	7.86174E-14	4.12786E-13	1.60986E-14
8	570590.6	4177919	0.55, 41779	0.11537	0.10684	81.14556	31.22548	10.14319	5.49199	2.70927E-09	1.58E-11	2.73E-09	1.91E-06	4.61E-09	1.91E-06	2.38E-07	1.50E-09	2.4E-07	8.41E-13	2.54E-12	1.47E-12	2.32E-14	5.61E-13	3.1E-14	6.153E-13	1.946E-07	9.5509E-06	3.99E-06	6.98804E-13	8.17601E-14	4.29287E-13	1.67422E-14
9	570630.6	4177919	0.55, 41779	0.12154	0.11343	82.02682	32.76834	10.54682	6.07261	2.85416E-09	1.67E-11	2.87E-09	1.93E-06	4.84E-09	1.93E-06	2.48E-07	1.56E-09	2.49E-07	8.86E-13	2.67E-12	1.55E-12	2.45E-14	5.91E-13	3.26E-14	6.48236E-13	2.051E-07	9.6555E-06	4.15E-06	7.36209E-13	8.61365E-14	4.52265E-13	1.76383E-14
10	570670.6	4177919	0.55, 41779	0.12896	0.11974	90.28793	34.09351	12.11861	6.60764	3.02841E-09	1.77E-11	3.05E-09	2.12E-06	5.03E-09	2.13E-06	2.85E-07	1.79E-09	2.86E-07	9.4E-13	2.84E-12	1.64E-12	2.6E-14	6.27E-13	3.46E-14	6.8779E-13	2.176E-07	1.0626E-05	4.77E-06	7.81131E-13	9.13924E-14	4.79862E-13	1.87146E-14
11	570710.6	4177919	0.55, 41779	0.13589	0.12543	92.03158	38.34133	11.50395	7.03486	3.19115E-09	1.85E-11	3.21E-09	2.16E-06	5.66E-09	2.17E-06	2.7E-07	1.70E-09	2.72E-07	9.9E-13	2.99E-12	1.73E-12	2.74E-14	6.61E-13	3.65E-14	7.24725E-13	2.293E-07	1.0834E-05	4.53E-06	8.23079E-13	9.63003E-14	5.05631E-13	1.97196E-14
12	570750.6	4177919	0.55, 41779	0.14097	0.13029	98.93292	42.68075	12.36662	7.25038	3.31044E-09	1.92E-11	3.33E-09	2.32E-06	6.30E-09	2.33E-06	2.9E-07	1.82E-09	2.92E-07	1.03E-12	3.1E-12	1.8E-12	2.84E-14	6.86E-13	3.78E-14	7.51824E-13	2.378E-07	1.1648E-05	4.87E-06	8.53855E-13	9.9901E-14	5.24537E-13	2.04569E-14
13	570790.6	4177919	0.55, 41779	0.1434	0.13429	101.78306	44.96916	12.72288	7.16867	3.36751E-09	1.98E-11	3.39E-09	2.39E-06	6.64E-09	2.4E-06	2.99E-07	1.88E-09	3.01E-07	1.05E-12	3.16E-12	1.83E-12	2.89E-14	6.97E-13	3.85E-14	7.64842E-13	2.42E-07	1.1984E-05	5.01E-06	8.6864E-13	1.01631E-13	5.3362E-13	2.08112E-14
14	570830.6	4177919	0.55, 41779	0.14249	0.1373	103.05806	46.92439	12.88226	6.63254	3.34614E-09	2.03E-11	3.37E-09	2.42E-06	6.92E-09	2.43E-06	3.03E-07	1.90E-09	3.04E-07	1.04E-12	3.14E-12	1.82E-12	2.87E-14	6.93E-13	3.82E-14	7.60117E-13	2.405E-07	1.2135E-05	5.07E-06	8.63274E-13	1.01003E-13	5.30323E-13	2.06826E-14
15	570870.6	4177919	0.55, 41779	0.13915	0.13926	113.81753	49.41272	14.22719	6.17659	3.2677E-09	2.06E-11	3.29E-09	2.67E-06	7.29E-09	2.68E-06	3.34E-07	2.10E-09	3.36E-07	1.01E-12	3.06E-12	1.77E-12	2.8E-14	6.77E-13	3.74E-14	7.42472E-13	2.349E-07	1.3401E-05	5.6E-06	8.43234E-13	9.86584E-14	5.18013E-13	2.02025E-14
16	570910.6	4177919	0.55, 41779	0.13537	0.14116	103.09741	52.00284	16.13684	6.50036	3.17894E-09	2.08E-11	3.2E-09	2.42E-06	7.67E-09	2.43E-06	3.79E-07	2.38E-09	3.81E-07	9.87E-13	2.98E-12	1.73E-12	2.73E-14	6.59E-13	3.63E-14	7.22492E-13	2.286E-07	1.2144E-05	6.36E-06	8.20543E-13	9.60035E-14	5.04073E-13	1.96588E-14
17	570950.6	4177919	0.55, 41779	0.13129	0.14261	128.63222	54.75687	19.7206	7.6051	3.08312E-09	2.10E-11	3.1E-09	3.02E-06	8.08E-09	3.03E-06	4.63E-07	2.91E-09	4.66E-07	9.58E-13	2.89E-12	1.67E-12	2.65E-14	6.39E-13	3.53E-14	7.00907E-13	2.217E-07	1.5144E-05	7.77E-06	7.96028E-13	9.31353E-14	4.89013E-13	1.90715E-14
18	570990.6	4177919	0.55, 41779	0.12715	0.1442	126.51514	58.01026	18.07359	9.36612	2.9859E-09	2.13E-11	3.01E-09	2.97E-06	8.56E-09	2.98E-06	4.24E-07	2.67E-09	4.27E-07	9.28E-13	2.8E-12	1.62E-12	2.56E-14	6.19E-13	3.42E-14	6.79008E-13	2.148E-07	1.4898E-05	7.12E-06	7.71157E-13	9.02254E-14	4.73734E-13	1.84756E-14
19	571030.6	4177919	0.55, 41779	0.12254	0.14609	125.39004	62.99788	17.19472	10.49965	2.87765E-09	2.16E-11	2.9E-09	2.94E-06	9.30E-09	2.95E-06	4.04E-07	2.54E-09	4.06E-07	8.95E-13	2.7E-12	1.56E-12	2.47E-14	5.97E-13	3.29E-14	6.54626E-13	2.071E-07	1.4769E-05	6.77E-06	7.43467E-13	8.69856E-14	4.56724E-13	1.78122E-14
20	571070.6	4177919	0.55, 41779	0.1201	0.14847	126.80092	67.58831	16.22667	10.87469	2.82035E-09	2.19E-11	2.84E-09	2.98E-06	9.97E-09	2.99E-06	3.81E-07	2.39E-09	3.83E-07	8.77E-13	2.65E-12	1.53E-12	2.42E-14	5.85E-13	3.23E-14	6.41768E-13	2.03E-07	1.4938E-05	6.39E-06	7.28863E-13	8.5277E-14	4.47753E-13	1.74624E-14
21	571110.6	4177919	0.55, 41779	0.1205	0.15044	126.62476	68.47754	20.2586	9.61445	2.82974E-09	2.22E-11	2.85E-09	2.97E-06	1.01E-08	2.98E-06	4.76E-07	2.99E-09	4.79E-07	8.8E-13	2.66E-12	1.54E-12	2.43E-14	5.87E-13	3.24E-14	6.43954E-13	2.037E-07	1.4918E-05	7.98E-06	7.31347E-13	8.55676E-14	4.49278E-13	1.75218E-14
22	571150.6	4177919	0.55, 41779	0.1212	0.15159	131.66409	62.22893	21.10658	9.19459	2.84618E-09	2.24E-11	2.87E-09	3.09E-06	9.18E-09	3.1E-06	4.96E-07	3.11E-09	4.99E-07	8.85E-13	2.67E-12	1.55E-12	2.45E-14	5.91E-13	3.26E-14	6.47704E-13	2.049E-07	1.5505E-05	8.31E-06	7.35606E-13	8.60659E-14	4.51895E-13	1.76239E-14
23	571190.6	4177919	0.55, 41779	0.12215	0.15198	137.85581	66.48698	19.69369	10.25241	2.86849E-09	2.24E-11	2.89E-09	3.24E-06	9.81E-09	3.25E-06	4.62E-07	2.91E-09	4.65E-07	8.92E-13	2.69E-12	1.56E-12	2.46E-14	5.95E-13	3.28E-14	6.52755E-13	2.065E-07	1.6236E-05	7.76E-06	7.41341E-13	8.67369E-14	4.55418E-13	1.77613E-14
24	571230.6	4177919	0.55, 41779	0.12354	0.15154	148.65332	75.08948	21.23619	9.50538	2.90113E-09	2.24E-11	2.92E-09	3.49E-06	1.11E-08	3.5E-06	4.99E-07	3.13E-09	5.02E-07	9.02E-13	2.72E-12	1.58E-12	2.49E-14	6.02E-13	3.32E-14	6.6011E-13	2.088E-07	1.751E-05	8.36E-06	7.49695E-13	8.77144E-14	4.6055E-13	1.79615E-14
25	571270.6	4177919	0.55, 41779	0.12544	0.15047	135.01221	73.55453	18.66937	9.80753	2.94575E-09	2.22E-11	2.97E-09	3.17E-06	1.09E-08	3.18E-06	4.38E-07	2.76E-09	4.41E-07	9.16E-13	2.77E-12	1.6E-12	2.53E-14	6.11E-13	3.37E-14	6.70149E-13	2.12E-07	1.5907E-05	7.35E-06	7.61097E-13	8.90483E-14	4.67554E-13	1.82346E-14
26	571310.6	4177919	0.55, 41779	0.12844	0.14895	144.25948	74.57026	18.03243	9.63087	3.0162E-09	2.20E-11	3.04E-09	3.39E-06	1.10E-08	3.4E-06	4.23E-07	2.66E-09	4.26E-07	9.38E-13	2.83E-12	1.64E-12	2.59E-14	6.26E-13	3.45E-14	6.86006E-13	2.17E-07	1.6993E-05	7.1E-06	7.79105E-13	9.11553E-14	4.78617E-13	1.86661E-14
27	571350.6	4177919	0.55, 41779	0.13264	0.1484	134.13439	65.82548	16.7668	8.49886	3.11483E-09	2.19E-11	3.14E-09	3.15E-06	9.71E-09	3.16E-06	3.94E-07	2.47E-09	3.96E-07	9.68E-13	2.92E-12	1.69E-12	2.67E-14	6.46E-13	3.56E-14	7.08258E-13	2.241E-07	1.5798E-05	6.6E-06	8.04377E-13	9.41121E-14	4.94142E-13	1.92715E-14
28	571390.6	4177919	0.55, 41779	0.13487	0.1464	140.45529	51.40311	17.55691	7.98518	3.16719E-09	2.16E-11	3.19E-09	3.3E-06	7.59E-09	3.31E-06	4.12E-07	2.59E-09	4.15E-07	9.84E-13	2.97E-12	1.72E-12	2.72E-14	6.57E-13	3.62E-14	7.20016E-13	2.278E-07	1.653E-05	6.91E-06	8.1773E-13	9.56744E-14	5.02345E-13	1.95915E-14
29	571430.6	4177919	0.55, 41779	0.14548	0.15293	139.19794	49.3636	17.39974	7.65374	3.41635E-09	2.26E-11	3.44E-09	3.27E-06	7.28E-09	3.28E-06	4.09E-07	2.57E-09	4.11E-07	1.06E-12	3.2E-12	1.85E-12	2.93E-14	7.08E-13	3.91E-14	7.76492E-13	2.456E-07	1.6381E-05	6.85E-06	8.81871E-13	1.03179E-13	5.41748E-13	2.11282E-14
30	571470.6	4177919	0.55, 41779	0.15916	0.16179	134.87595	45.89373	16.85949	6.86379	3.7376E-09	2.39E-11	3.76E-09	3.17E-06	6.77E-09	3.17E-06	3.96E-07	2.49E-09	3.98E-07	1.16E-12	3.5E-12	2.03E-12	3.21E-14	7.75E-13	4.27E-14	8.49324E-13	2.687E-07	1.5871E-05	6.64E-06	9.64588E-13	1.12857E-13	5.92562E-13	2.31099E-14
31	571510.6	4177919	0.55, 41779	0.17426	0.17151	122.2315	42.4201	15.27894	5.85942	4.0922E-09	2.53E-11	4.12E-09	2.87E-06	6.26E-09	2.88E-06	3.59E-07	2.25E-09	3.61E-07	1.27E-12	3.84E-12	2.22E-12	3.51E-14	8.48E-13	4.68E-14	9.29715E-13	2.941E-07	1.4383E-05	6.02E-06	1.05589E-12	1.23539E-13	6.48649E-13	2.52973E-14
32	571550.6	4177919	0.55, 41779	0.18787	0.18026	112.99449	35.73716	14.12431	5.76206	4.41181E-09	2.66E-11	4.44E-09	2.65E-06	5.27E-09	2.66E-06	3.32E-07	2.08E-09	3.34E-07	1.37E-12	4.14E-12	2.39E-12	3.78E-14	9.14E-13	5.04E-14	1.00217E-12	3.17E-07	1.3294E-05	5.56E-06	1.13818E-12	1.33167E-13	6.99202E-13	2.72689E-14
33	571590.6	4177919	0.55, 41779	0.19949	0.18751	94.68734	29.26563	11.83592	5.30509	4.68469E-09	2.77E-11	4.71E-09	2.22E-06	4.32E-09	2.23E-06	2.78E-07	1.75E-09	2.8E-07	1.45E-12	4.39E-12	2.54E-12	4.02E-14	9.7E-13	5.35E-14	1.06403E-12	3.366E-07	1.1139E-05	4.66E-06	1.20843E-12	1.41386E-13	7.42358E-13	2.89519E-14
34	570310.6	4177959	0.55, 41779	0.08597	0.06676	56.89619	26.25101	7.11202	4.18522	2.01886E-09	9.85E-12	2.03E-09	1.34E-06	3.87E-09	1.34E-06	1.67E-07	1.05E-09	1.68E-07	6.26E-13	1.89E-12	1.09E-12	1.73E-14	4.18E-13	2.3E-14	4.58074E-13	1.449E-07	6.6999E-06	2.8E-06	5.2024E-13	6.0868E-14	3.19592E-13	1.24641E-14
35	570350.6	4177959	0.55, 41779	0.09204	0.07257	58.96006	27.16756	7.37001	4.19821	2.1614E-09	1.07E-11	2.17E-09	1.38E-06	4.01E-09	1.39E-06	1.73E-07	1.09E-09	1.74E-07	6.7E-13	2.02E-12	1.17E-12	1.85E-14	4.47E-13	2.47E-14	4.90453E-13	1.552E-07	6.9429E-06	2.9E-06	5.57013E-13	6.51705E-14	3.42182E-13	1.33451E-14
36	570390.6	4177959	0.55, 41779	0.09833	0.07904	63.0038	28.02201	7.87548	4.15896	2.30911E-09	1.17E-11	2.32E-09	1.48E-06	4.14E-09	1.48E-06	1.85E-07	1.16E-09	1.86E-07	7.16E-13	2.16E-12	1.25E-12	1.98E-14	4.78E-13	2.64E-14	5.24021E-13	1.658E-07	7.4184E-06	3.1E-06	5.95137E-13	6.9631E-14	3.65602E-13	1.42585E-14
37	570430.6	4177959	0.55, 41779	0.10461	0.08611	70.72142	28.76698	8.84018	4.23038	2.45659E-09	1.27E-11	2.47E-09	1.66E-06	4.25E-09	1.67E-06	2.08E-07	1.30E-09	2.09E-07	7.62E-13	2.3E-12	1.33E-12	2.1E-14	5.08E-13	2.8E-14	5.57555E-13	1.764E-07	8.3251E-06	3.48E-06	6.33222E-13	7.4087E-14	3.88999E-13	1.5171E-14
38	570470.6	4177959	0.55, 41779	0.11098	0.09385	78.78718	29.82596	9.8484	4.47695	2.60618E-09	1.38E-11	2.62E-09	1.85E-06	4.40E-09	1.85E-06	2.31E-07	1.45E-09	2.33E-07	8.08E-13	2.44E-12	1.41E-12	2.23E-14	5.39E-13	2.98E-14	5.9159E-13	1.871E-07	9.2729E-06	3.88E-06	6.71876E-13	7.86094E-14	4.12744E-13	1.6097E-14
39	570510.6	4177959	0.55, 41779	0.1169	0.10189	83.26174	30.87615	10.40772	4.70339	2.7452E-09	1.50E-11	2.76E-09	1.96E-06	4.56E-09	1.96E-06	2.44E-07	1.54E-09	2.46E-07	8.52E-13	2.57E-12	1.49E-12	2.35E-14	5.68E-13	3.14E-14	6.23248E-13	1.972E-07	9.7991E-06	4.1E-06	7.0783E-13	8.28161E-14	4.34832E-13	1.69584E-14
40	570550.6	4177959	0.55, 41779	0.12213	0.11	82.46075	31.83495	10.30759	4.9071	2.86802E-09	1.62E-11	2.88E-09	1.94E-06	4.70E-09	1.94E-06	2.42E-07	1.52E-09	2.44E-07	8.9E-13	2.69E-12	1.56E-12	2.46E-14	5.94E-13	3.28E-14	6.5125E-13	2.06E-07	9.7057E-06	4.06E-06	7.39632E-13	8.6537E-14	4.54368E-13	1.77204E-14
41	570590.6	4177959	0.55, 41779	0.1275	0.1185	87.61849	32.53805	10.95231	5.6614	2.99412E-09	1.75E-11	3.01E-09	2.06E-06	4.80E-09	2.06E-06	2.57E-07	1.62E-09	2.59E-07	9.29E-13	2.81E-12	1.62E-12	2.57E-14	6.2E-13	3.42E-14	6.80007E-13	2.151E-07	1.0312E-05	4.31E-06	7.72292E-13	9.03582E-14	4.74432E-13	1.85028E-14
42	570630.6	4177959	0.55, 41779	0.13429	0.12721	94.25098	33.95012	11.78137	6.34882	3.15357E-09	1.88E-11	3.17E-09	2.21E-06	5.01E-09	2.22E-06	2.77E-07	1.74E-09	2.78E-07	9.79E-13	2.96E-12	1.71E-12	2.7E-14	6.53E-13	3.6E-14	7.16301E-13	2.266E-07	1.1092E-05	4.64E-06	8.13511E-13	9.51808E-14	4.99753E-13	1.94904E-14
43	570670.6	4177959	0.55, 41779	0.1434	0.13582	91.47953	35.4429	12.89467	6.97952	3.36751E-09	2.00E-11	3.39E-09	2.15E-06	5.23E-09	2.15E-06	3.03E-07	1.90E-09	3.05E-07	1.05E-12	3.16E-12	1.83E-12	2.89E-14	6.98E-13	3.85E-14	7.64893E-13	2.42E-07	1.0767E-05	5.08E-06	8.68698E-13	1.01638E-13	5.33655E-13	2.08126E-14
44	570710.6	4177959	0.55, 41779	0.15342	0.14402	103.54122	38.62398	12.94265	7.57754	3.60281E-09	2.13E-11	3.62E-09	2.43E-06	5.70E-09	2.44E-06	3.04E-07	1.91E-09	3.06E-07	1.12E-12	3.38E-12	1.95E-12	3.09E-14	7.46E-13	4.12E-14	8.18296E-13	2.589E-07	1.2186E-05	5.1E-06	9.29349E-13	1.08734E-13	5.70914E-13	2.22656E-14
45	570750.6	4177959	0.55, 41779	0.16261	0.1515	105.52732	44.38977	13.19092	8.09206	3.81862E-09	2.24E-11	3.84E-09	2.48E-06	6.55E-09	2.48E-06	3.1E-07	1.95E-09	3.12E-07	1.19E-12	3.58E-12	2.07E-12	3.27E-14	7.91E-13	4.36E-14	8.67275E-13	2.744E-07	1.2423E-05	5.2E-06	9.84974E-13	1.15242E-13	6.05086E-13	2.35983E-14
46	570790.6	4177959	0.55, 41779	0.16989	0.15823	113.60479	47.24143	14.2006	8.3928	3.98958E-09	2.33E-11	4.01E-09	2.67E-06	6.97E-09	2.67E-06	3.33E-07	2.10E-09	3.36E-07	1.24E-12	3.74E-12	2.16E-12	3.42E-14	8.26E-13	4.56E-14	9.06101E-13	2.866E-07	1.3374E-05	5.59E-06	1.02907E-12	1.20401E-13	6.32174E-13	2.46548E-14
47	570830.6	4177959	0.55, 41779	0.1738	0.16401	115.20896	49.45722	14.40112	8.28774	4.0814E-09	2.42E-11	4.11E-09	2.71E-06	7.30E-09	2.71E-06	3.38E-07	2.13E-09	3.4E-07	1.27E-12	3.83E-12	2.21E-12	3.5E-14	8.45E-13	4.66E-14	9.27026E-13	2.933E-07	1.3564E-05	5.67E-06	1.05283E-12	1.23182E-13	6.46773E-13	2.52242E-14
48	570870.6	4177959	0.55, 41779	0.17339	0.16851	122.33209	52.01335	15.29151	7.46689	4.07177E-09	2.49E-11	4.1E-09	2.87E-06	7.68E-09	2.88E-06	3.59E-07	2.26E-09	3.61E-07	1.26E-12	3.82E-12	2.21E-12	3.49E-14	8.44E-13	4.65E-14	9.25002E-13	2.926E-07	1.4402E-05	6.02E-06	1.05054E-12	1.22913E-13	6.45361E-13	2.51691E-14
49	570910.6	4177959	0.55, 41779	0.16973	0.17204	128.70888	55.67631	16.08861	6.95954	3.98582E-09	2.54E-11	4.01E-09	3.02E-06	8.22E-09	3.03E-06	3.78E-07	2.37E-09	3.8E-07	1.24E-12	3.74E-12	2.16E-12	3.42E-14	8.26E-13	4.56E-14	9.05712E-13	2.865E-07	1.5154E-05	6.34E-06	1.02863E-12	1.2035E-13	6.31903E-13	2.46442E-14
50	570950.6	4177959	0.55, 41779	0.16375	0.1746	137.78687	58.35606	21.41966	8.40086	3.84539E-09	2.58E-11	3.87E-09	3.24E-06	8.61E-09	3.24E-06	5.03E-07	3.16E-09	5.06E-07	1.19E-12	3.61E-12	2.09E-12	3.3E-14	7.97E-13	4.4E-14	8.74089E-13	2.765E-07	1.6222E-05	8.44E-06	9.92714E-13	1.16147E-13	6.0984E-13	2.37838E-14
51	570990.6	4177959	0.55, 41779	0.1571	0.17611	148.41379	62.43724	21.20197	10.20575	3.68923E-09	2.60E-11	3.72E-09	3.49E-06	9.21E-09	3.49E-06	4.98E-07	3.13E-09	5.01E-07	1.15E-12	3.46E-12	2E-12	3.17E-14	7.65E-13	4.22E-14	8.38878E-13	2.654E-07	1.7472E-05	8.35E-06	9.52724E-13	1.11469E-13	5.85274E-13	2.28257E-14
52	571030.6	4177959	0.55, 41779	0.15135	0.1787	141.29712	68.4386	19.05284	11.40643	3.5542E-09	2.64E-11	3.58E-09	3.32E-06	1.01E-08	3.33E-06	4.47E-07	2.81E-09	4.5E-07	1.1E-12	3.34E-12	1.93E-12	3.05E-14	7.37E-13	4.07E-14	8.08476E-13	2.558E-07	1.6641E-05	7.5E-06	9.18196E-13	1.07429E-13	5.64062E-13	2.19984E-14
53	571070.6	4177959	0.55, 41779	0.14838	0.1815	143.49488	74.36914	18.79197	11.80682	3.48445E-09	2.68E-11	3.51E-09	3.37E-06	1.10E-08	3.38E-06	4.41E-07	2.77E-09	4.44E-07	1.08E-12	3.27E-12	1.89E-12	2.99E-14	7.23E-13	3.99E-14	7.92821E-13	2.508E-07	1.6904E-05	7.4E-06	9.00416E-13	1.05349E-13	5.5314E-13	2.15725E-14
54	571110.6	4177959	0.55, 41779	0.14858	0.18375	140.62761	73.34522	22.74237	10.22286	3.48915E-09	2.71E-11	3.52E-09	3.3E-06	1.08E-08	3.31E-06	5.34E-07	3.36E-09	5.37E-07	1.09E-12	3.28E-12	1.9E-12	3E-14	7.24E-13	3.99E-14	7.93956E-13	2.512E-07	1.6566E-05	8.96E-06	9.01706E-13	1.055E-13	5.53932E-13	2.16034E-14
55	571150.6	4177959	0.55, 41779	0.14994	0.18566	146.3467	67.83983	22.92053	11.48399	3.52109E-09	2.74E-11	3.55E-09	3.44E-06	1.00E-08	3.45E-06	5.38E-07	3.38E-09	5.42E-07	1.09E-12	3.31E-12	1.91E-12	3.02E-14	7.31E-13	4.03E-14	8.01231E-13	2.535E-07	1.7234E-05	9.03E-06	9.09968E-13	1.06466E-13	5.59008E-13	2.18013E-14
56	571190.6	4177959	0.55, 41779	0.1525	0.18616	161.89014	78.97315	23.12716	11.84075	3.58121E-09	2.75E-11	3.61E-09	3.8E-06	1.17E-08	3.81E-06	5.43E-07	3.41E-09	5.47E-07	1.11E-12	3.36E-12	1.95E-12	3.08E-14	7.43E-13	4.1E-14	8.14822E-13	2.578E-07	1.9067E-05	9.11E-06	9.25403E-13	1.08272E-13	5.6849E-13	2.21711E-14
57	571230.6	4177959	0.55, 41779	0.15542	0.18516	156.07845	81.92899	22.29692	11.22006	3.64978E-09	2.73E-11	3.68E-09	3.67E-06	1.21E-08	3.68E-06	5.24E-07	3.29E-09	5.27E-07	1.13E-12	3.43E-12	1.98E-12	3.13E-14	7.57E-13	4.18E-14	8.30272E-13	2.627E-07	1.8387E-05	8.78E-06	9.4295E-13	1.10325E-13	5.79269E-13	2.25915E-14
58	571270.6	4177959	0.55, 41779	0.15909	0.18379	158.42767	82.70179	19.80346	11.54254	3.73596E-09	2.71E-11	3.76E-09	3.72E-06	1.22E-08	3.73E-06	4.65E-07	2.92E-09	4.68E-07	1.16E-12	3.51E-12	2.03E-12	3.21E-14	7.75E-13	4.27E-14	8.49686E-13	2.688E-07	1.8663E-05	7.8E-06	9.64999E-13	1.12905E-13	5.92814E-13	2.31198E-14
59	571310.6	4177959	0.55, 41779	0.1655	0.18382	150.26158	75.50789	18.7827	10.48328	3.88649E-09	2.71E-11	3.91E-09	3.53E-06	1.11E-08	3.54E-06	4.41E-07	2.77E-09	4.44E-07	1.21E-12	3.65E-12	2.11E-12	3.34E-14	8.06E-13	4.45E-14	8.83676E-13	2.795E-07	1.7699E-05	7.4E-06	1.0036E-12	1.17421E-13	6.16528E-13	2.40446E-14
60	571350.6	4177959	0.55, 41779	0.17654	0.1881	154.82597	60.83045	19.35325	9.71095	4.14574E-09	2.78E-11	4.17E-09	3.64E-06	8.98E-09	3.64E-06	4.54E-07	2.86E-09	4.57E-07	1.29E-12	3.89E-12	2.25E-12	3.56E-14	8.59E-13	4.74E-14	9.42357E-13	2.981E-07	1.8224E-05	7.62E-06	1.07025E-12	1.25219E-13	6.5747E-13	2.56413E-14
61	571390.6	4177959	0.55, 41779	0.18842	0.1934	152.92189	54.55359	19.11524	9.16318	4.42473E-09	2.85E-11	4.45E-09	3.59E-06	8.05E-09	3.6E-06	4.49E-07	2.82E-09	4.52E-07	1.37E-12	4.15E-12	2.4E-12	3.8E-14	9.17E-13	5.06E-14	1.00553E-12	3.181E-07	1.7996E-05	7.53E-06	1.14199E-12	1.33613E-13	7.01542E-13	2.73601E-14
62	571430.6	4177959	0.55, 41779	0.20645	0.20414	148.33328	50.38722	18.54166	8.09078	4.84813E-09	3.01E-11	4.88E-09	3.48E-06	7.44E-09	3.49E-06	4.35E-07	2.74E-09	4.38E-07	1.51E-12	4.55E-12	2.63E-12	4.16E-14	1E-12	5.54E-14	1.10149E-12	3.484E-07	1.7454E-05	7.3E-06	1.25097E-12	1.46364E-13	7.68492E-13	2.99712E-14
63	571470.6	4177959	0.55, 41779	0.22554	0.21577	134.13897	46.24246	16.76737	6.92684	5.29643E-09	3.18E-11	5.33E-09	3.15E-06	6.82E-09	3.16E-06	3.94E-07	2.47E-09	3.96E-07	1.64E-12	4.96E-12	2.87E-12	4.54E-14	1.1E-12	6.05E-14	1.2031E-12	3.806E-07	1.5784E-05	6.6E-06	1.36637E-12	1.59866E-13	8.39385E-13	3.2736E-14
64	571510.6	4177959	0.55, 41779	0.24332	0.22654	122.33786	38.55117	15.29223	6.75463	5.71396E-09	3.34E-11	5.75E-09	2.87E-06	5.69E-09	2.88E-06	3.59E-07	2.26E-09	3.61E-07	1.77E-12	5.35E-12	3.1E-12	4.9E-14	1.18E-12	6.53E-14	1.29773E-12	4.105E-07	1.4393E-05	6.02E-06	1.47385E-12	1.72441E-13	9.05411E-13	3.5311E-14
65	571550.6	4177959	0.55, 41779	0.25539	0.23344	100.38932	31.1899	12.54867	6.13877	5.9974E-09	3.44E-11	6.03E-09	2.36E-06	4.60E-09	2.36E-06	2.95E-07	1.85E-09	2.97E-07	1.86E-12	5.62E-12	3.25E-12	5.14E-14	1.24E-12	6.85E-14	1.36196E-12	4.308E-07	1.181E-05	4.94E-06	1.5468E-12	1.80975E-13	9.50223E-13	3.70587E-14
66	571590.6	4177959	0.55, 41779	0.26174	0.2364	103.20811	24.1035	12.90101	5.55119	6.14652E-09	3.49E-11	6.18E-09	2.42E-06	3.56E-09	2.43E-06	3.03E-07	1.90E-09	3.05E-07	1.91E-12	5.76E-12	3.33E-12	5.27E-14	1.27E-12	7.02E-14	1.39573E-12	4.415E-07	1.2136E-05	5.08E-06	1.58515E-12	1.85463E-13	9.73784E-13	3.79776E-14
67	570310.6	4177999	0.55, 41779	0.08992	0.06909	61.55411	26.71644	7.69426	4.42886	2.11162E-09	1.02E-11	2.12E-09	1.45E-06	3.94E-09	1.45E-06	1.81E-07	1.14E-09	1.82E-07	6.55E-13	1.98E-12	1.14E-12	1.81E-14	4.37E-13	2.41E-14	4.79096E-13	1.516E-07	7.2472E-06	3.03E-06	5.44115E-13	6.36614E-14	3.34259E-13	1.30361E-14
68	570350.6	4177999	0.55, 41779	0.09687	0.07551	63.16088	27.72336	7.89511	4.52605	2.27483E-09	1.11E-11	2.29E-09	1.48E-06	4.09E-09	1.49E-06	1.85E-07	1.17E-09	1.87E-07	7.05E-13	2.13E-12	1.23E-12	1.95E-14	4.71E-13	2.6E-14	5.16162E-13	1.633E-07	7.4366E-06	3.11E-06	5.86211E-13	6.85867E-14	3.60119E-13	1.40446E-14
69	570390.6	4177999	0.55, 41779	0.10411	0.08268	65.18315	28.66629	8.14789	4.5901	2.44485E-09	1.22E-11	2.46E-09	1.53E-06	4.23E-09	1.53E-06	1.91E-07	1.20E-09	1.93E-07	7.58E-13	2.29E-12	1.33E-12	2.09E-14	5.06E-13	2.79E-14	5.5479E-13	1.755E-07	7.6747E-06	3.21E-06	6.30082E-13	7.37195E-14	3.87069E-13	1.50957E-14
70	570430.6	4177999	0.55, 41779	0.11178	0.0909	69.77828	29.77159	8.72229	4.64595	2.62497E-09	1.34E-11	2.64E-09	1.64E-06	4.39E-09	1.64E-06	2.05E-07	1.29E-09	2.06E-07	8.14E-13	2.46E-12	1.42E-12	2.25E-14	5.43E-13	3E-14	5.95733E-13	1.885E-07	8.2151E-06	3.44E-06	6.76582E-13	7.916E-14	4.15635E-13	1.62098E-14
71	570470.6	4177999	0.55, 41779	0.11947	0.09994	73.23749	30.82615	9.15469	4.70414	2.80555E-09	1.47E-11	2.82E-09	1.72E-06	4.55E-09	1.72E-06	2.15E-07	1.35E-09	2.16E-07	8.7E-13	2.63E-12	1.52E-12	2.4E-14	5.81E-13	3.2E-14	6.3681E-13	2.014E-07	8.622E-06	3.61E-06	7.23233E-13	8.46183E-14	4.44294E-13	1.73275E-14
72	570510.6	4177999	0.55, 41779	0.12689	0.1096	83.36058	31.87471	10.42007	5.00665	2.9798E-09	1.62E-11	3E-09	1.96E-06	4.70E-09	1.96E-06	2.45E-07	1.54E-09	2.46E-07	9.24E-13	2.79E-12	1.62E-12	2.55E-14	6.17E-13	3.4E-14	6.76476E-13	2.14E-07	9.8114E-06	4.1E-06	7.68282E-13	8.9889E-14	4.71968E-13	1.84068E-14
73	570550.6	4177999	0.55, 41779	0.1338	0.11968	93.92369	33.13511	11.74046	5.30601	3.14207E-09	1.77E-11	3.16E-09	2.21E-06	4.89E-09	2.21E-06	2.76E-07	1.73E-09	2.77E-07	9.75E-13	2.94E-12	1.7E-12	2.69E-14	6.51E-13	3.59E-14	7.13452E-13	2.257E-07	1.1053E-05	4.62E-06	8.10276E-13	9.48022E-14	4.97765E-13	1.94129E-14
74	570590.6	4177999	0.55, 41779	0.14077	0.13095	98.98148	34.43475	12.37268	5.77536	3.30575E-09	1.93E-11	3.33E-09	2.32E-06	5.08E-09	2.33E-06	2.91E-07	1.83E-09	2.92E-07	1.03E-12	3.1E-12	1.79E-12	2.83E-14	6.85E-13	3.78E-14	7.50785E-13	2.375E-07	1.1647E-05	4.87E-06	8.52676E-13	9.9763E-14	5.23812E-13	2.04287E-14
75	570630.6	4177999	0.55, 41779	0.14863	0.14246	96.29887	35.58815	12.03736	6.62596	3.49033E-09	2.10E-11	3.51E-09	2.26E-06	5.25E-09	2.27E-06	2.83E-07	1.78E-09	2.84E-07	1.08E-12	3.27E-12	1.89E-12	2.99E-14	7.23E-13	3.99E-14	7.92846E-13	2.508E-07	1.1333E-05	4.74E-06	9.00444E-13	1.05352E-13	5.53158E-13	2.15731E-14
76	570670.6	4177999	0.55, 41779	0.15906	0.15417	108.0953	37.02771	13.51191	7.37805	3.73526E-09	2.28E-11	3.76E-09	2.54E-06	5.46E-09	2.54E-06	3.17E-07	1.99E-09	3.19E-07	1.16E-12	3.5E-12	2.03E-12	3.2E-14	7.74E-13	4.27E-14	8.4854E-13	2.684E-07	1.272E-05	5.32E-06	9.63697E-13	1.12753E-13	5.92015E-13	2.30886E-14
77	570710.6	4177999	0.55, 41779	0.17207	0.16581	109.21603	39.28347	14.39109	8.06843	4.04077E-09	2.45E-11	4.07E-09	2.56E-06	5.80E-09	2.57E-06	3.38E-07	2.12E-09	3.4E-07	1.25E-12	3.79E-12	2.19E-12	3.47E-14	8.37E-13	4.62E-14	9.17912E-13	2.904E-07	1.2853E-05	5.67E-06	1.04248E-12	1.21971E-13	6.40415E-13	2.49762E-14
78	570750.6	4177999	0.55, 41779	0.18601	0.17706	119.66853	46.10023	14.95857	8.7788	4.36813E-09	2.61E-11	4.39E-09	2.81E-06	6.80E-09	2.82E-06	3.51E-07	2.21E-09	3.53E-07	1.36E-12	4.09E-12	2.37E-12	3.75E-14	9.05E-13	4.99E-14	9.92203E-13	3.139E-07	1.4085E-05	5.89E-06	1.12686E-12	1.31842E-13	6.92246E-13	2.69976E-14
79	570790.6	4177999	0.55, 41779	0.19953	0.18772	122.67556	49.8289	15.33445	9.45426	4.68563E-09	2.77E-11	4.71E-09	2.88E-06	7.35E-09	2.89E-06	3.6E-07	2.26E-09	3.62E-07	1.45E-12	4.39E-12	2.54E-12	4.02E-14	9.71E-13	5.35E-14	1.06425E-12	3.367E-07	1.4441E-05	6.04E-06	1.20868E-12	1.41415E-13	7.42511E-13	2.89579E-14
80	570830.6	4177999	0.55, 41779	0.21109	0.19773	133.54261	52.4094	16.69283	9.90962	4.95709E-09	2.92E-11	4.99E-09	3.14E-06	7.73E-09	3.14E-06	3.92E-07	2.46E-09	3.94E-07	1.54E-12	4.65E-12	2.69E-12	4.25E-14	1.03E-12	5.66E-14	1.12588E-12	3.562E-07	1.5719E-05	6.57E-06	1.27867E-12	1.49605E-13	7.85509E-13	3.06348E-14
81	570870.6	4177999	0.55, 41779	0.21804	0.20674	131.45449	55.15858	16.43181	9.77159	5.1203E-09	3.05E-11	5.15E-09	3.09E-06	8.14E-09	3.1E-06	3.86E-07	2.42E-09	3.88E-07	1.59E-12	4.8E-12	2.78E-12	4.39E-14	1.06E-12	5.85E-14	1.16303E-12	3.679E-07	1.5476E-05	6.47E-06	1.32087E-12	1.54541E-13	8.11429E-13	3.16457E-14
82	570910.6	4177999	0.55, 41779	0.21803	0.21414	148.11273	59.13207	18.51409	8.43226	5.12007E-09	3.16E-11	5.15E-09	3.48E-06	8.73E-09	3.49E-06	4.35E-07	2.73E-09	4.38E-07	1.59E-12	4.8E-12	2.78E-12	4.39E-14	1.06E-12	5.85E-14	1.16322E-12	3.68E-07	1.7435E-05	7.29E-06	1.32109E-12	1.54567E-13	8.11564E-13	3.1651E-14
83	570950.6	4177999	0.55, 41779	0.2114	0.21889	140.12444	63.58464	21.83562	9.32684	4.96437E-09	3.23E-11	5E-09	3.29E-06	9.38E-09	3.3E-06	5.13E-07	3.22E-09	5.16E-07	1.54E-12	4.66E-12	2.7E-12	4.26E-14	1.03E-12	5.68E-14	1.12823E-12	3.569E-07	1.65E-05	8.6E-06	1.28134E-12	1.49917E-13	7.87147E-13	3.06987E-14
84	570990.6	4177999	0.55, 41779	0.2013	0.22185	171.25011	67.61488	25.43318	11.18299	4.72719E-09	3.27E-11	4.76E-09	4.02E-06	9.98E-09	4.03E-06	5.97E-07	3.75E-09	6.01E-07	1.47E-12	4.43E-12	2.57E-12	4.06E-14	9.8E-13	5.41E-14	1.07477E-12	3.4E-07	2.0157E-05	1E-05	1.22063E-12	1.42814E-13	7.49852E-13	2.92442E-14
85	571030.6	4177999	0.55, 41779	0.19301	0.22456	161.4506	75.02365	21.94671	12.50394	4.53251E-09	3.31E-11	4.57E-09	3.79E-06	1.11E-08	3.8E-06	5.15E-07	3.24E-09	5.19E-07	1.41E-12	4.25E-12	2.46E-12	3.89E-14	9.4E-13	5.19E-14	1.0309E-12	3.261E-07	1.9012E-05	8.64E-06	1.17081E-12	1.36985E-13	7.19247E-13	2.80506E-14
86	571070.6	4177999	0.55, 41779	0.18927	0.22808	165.36156	82.48884	21.97245	12.95225	4.44469E-09	3.37E-11	4.48E-09	3.88E-06	1.22E-08	3.9E-06	5.16E-07	3.24E-09	5.19E-07	1.38E-12	4.17E-12	2.42E-12	3.82E-14	9.22E-13	5.09E-14	1.01119E-12	3.199E-07	1.9477E-05	8.65E-06	1.14842E-12	1.34365E-13	7.05493E-13	2.75142E-14
87	571110.6	4177999	0.55, 41779	0.18141	0.21619	158.60632	80.72549	25.62624	11.81551	4.26011E-09	3.19E-11	4.29E-09	3.72E-06	1.19E-08	3.74E-06	6.02E-07	3.78E-09	6.06E-07	1.32E-12	4E-12	2.32E-12	3.66E-14	8.84E-13	4.88E-14	9.69116E-13	3.066E-07	1.8683E-05	1.01E-05	1.10064E-12	1.28774E-13	6.76139E-13	2.63694E-14
88	571150.6	4177999	0.55, 41779	0.19202	0.23351	164.05988	80.42402	24.96785	14.13496	4.50927E-09	3.45E-11	4.54E-09	3.85E-06	1.19E-08	3.86E-06	5.86E-07	3.68E-09	5.9E-07	1.4E-12	4.23E-12	2.45E-12	3.87E-14	9.36E-13	5.16E-14	1.02595E-12	3.246E-07	1.9323E-05	9.83E-06	1.16519E-12	1.36327E-13	7.15792E-13	2.79159E-14
89	571190.6	4177999	0.55, 41779	0.1978	0.23414	182.21875	91.74664	26.03125	13.21695	4.645E-09	3.46E-11	4.68E-09	4.28E-06	1.35E-08	4.29E-06	6.11E-07	3.84E-09	6.15E-07	1.44E-12	4.36E-12	2.52E-12	3.99E-14	9.64E-13	5.32E-14	1.05662E-12	3.343E-07	2.1463E-05	1.03E-05	1.20002E-12	1.40402E-13	7.3719E-13	2.87504E-14
90	571230.6	4177999	0.55, 41779	0.20367	0.23289	172.67663	91.69738	22.62496	13.85272	4.78285E-09	3.44E-11	4.82E-09	4.06E-06	1.35E-08	4.07E-06	5.31E-07	3.34E-09	5.35E-07	1.49E-12	4.49E-12	2.6E-12	4.11E-14	9.92E-13	5.47E-14	1.0877E-12	3.441E-07	2.0343E-05	8.91E-06	1.23532E-12	1.44532E-13	7.58876E-13	2.95962E-14
91	571270.6	4177999	0.55, 41779	0.21358	0.23476	171.66845	86.35935	21.45856	13.01074	5.01557E-09	3.46E-11	5.05E-09	4.03E-06	1.27E-08	4.04E-06	5.04E-07	3.17E-09	5.07E-07	1.56E-12	4.71E-12	2.72E-12	4.31E-14	1.04E-12	5.74E-14	1.14031E-12	3.607E-07	2.022E-05	8.45E-06	1.29507E-12	1.51523E-13	7.95581E-13	3.10277E-14
92	571310.6	4177999	0.55, 41779	0.23025	0.24083	171.26207	72.34733	21.40776	11.81711	5.40703E-09	3.55E-11	5.44E-09	4.02E-06	1.07E-08	4.03E-06	5.03E-07	3.16E-09	5.06E-07	1.68E-12	5.07E-12	2.94E-12	4.64E-14	1.12E-12	6.18E-14	1.22891E-12	3.888E-07	2.0162E-05	8.43E-06	1.39568E-12	1.63295E-13	8.57392E-13	3.34383E-14
93	571350.6	4177999	0.55, 41779	0.25373	0.25254	169.27826	60.68614	21.15978	11.13084	5.95842E-09	3.73E-11	6E-09	3.98E-06	8.96E-09	3.98E-06	4.97E-07	3.12E-09	5E-07	1.85E-12	5.59E-12	3.23E-12	5.11E-14	1.23E-12	6.81E-14	1.3538E-12	4.283E-07	1.9921E-05	8.33E-06	1.53752E-12	1.7989E-13	9.44526E-13	3.68365E-14
94	571390.6	4177999	0.55, 41779	0.27999	0.26698	164.13881	55.69534	20.51735	9.69774	6.57509E-09	3.94E-11	6.61E-09	3.85E-06	8.22E-09	3.86E-06	4.82E-07	3.03E-09	4.85E-07	2.04E-12	6.16E-12	3.57E-12	5.64E-14	1.36E-12	7.51E-14	1.49352E-12	4.725E-07	1.9314E-05	8.08E-06	1.69621E-12	1.98456E-13	1.04201E-12	4.06383E-14
95	571430.6	4177999	0.55, 41779	0.30187	0.27888	148.06777	50.74185	18.50847	8.30154	7.08891E-09	4.12E-11	7.13E-09	3.48E-06	7.49E-09	3.48E-06	4.35E-07	2.73E-09	4.37E-07	2.2E-12	6.64E-12	3.85E-12	6.08E-14	1.47E-12	8.1E-14	1.60993E-12	5.093E-07	1.7423E-05	7.29E-06	1.82842E-12	2.13925E-13	1.12323E-12	4.38059E-14
96	571470.6	4177999	0.55, 41779	0.32222	0.29016	133.22849	41.8567	16.65356	8.00082	7.56679E-09	4.28E-11	7.61E-09	3.13E-06	6.18E-09	3.13E-06	3.91E-07	2.46E-09	3.94E-07	2.35E-12	7.09E-12	4.1E-12	6.49E-14	1.57E-12	8.64E-14	1.71821E-12	5.435E-07	1.5674E-05	6.56E-06	1.9514E-12	2.28313E-13	1.19877E-12	4.67522E-14
97	571510.6	4177999	0.55, 41779	0.33311	0.29527	113.25391	33.39085	14.15674	7.16119	7.82253E-09	4.36E-11	7.87E-09	2.66E-06	4.93E-09	2.66E-06	3.32E-07	2.09E-09	3.35E-07	2.43E-12	7.33E-12	4.24E-12	6.71E-14	1.62E-12	8.94E-14	1.77613E-12	5.619E-07	1.3323E-05	5.58E-06	2.01717E-12	2.36009E-13	1.23918E-12	4.8328E-14
98	571550.6	4177999	0.55, 41779	0.33431	0.29408	118.79132	25.19774	14.84891	6.75336	7.85071E-09	4.34E-11	7.89E-09	2.79E-06	3.72E-09	2.79E-06	3.49E-07	2.19E-09	3.51E-07	2.44E-12	7.36E-12	4.26E-12	6.73E-14	1.63E-12	8.97E-14	1.78245E-12	5.639E-07	1.3967E-05	5.85E-06	2.02435E-12	2.36849E-13	1.24359E-12	4.85001E-14
99	571590.6	4177999	0.55, 41779	0.32897	0.28857	117.12124	19.87515	14.64016	6.7762	7.72531E-09	4.26E-11	7.77E-09	2.75E-06	2.93E-09	2.75E-06	3.44E-07	2.16E-09	3.46E-07	2.4E-12	7.24E-12	4.19E-12	6.62E-14	1.6E-12	8.82E-14	1.75395E-12	5.548E-07	1.3767E-05	5.77E-06	1.99199E-12	2.33062E-13	1.22371E-12	4.77246E-14
100	570310.6	4178039	0.55, 41780	0.09395	0.07118	60.38117	27.45867	7.54765	4.57644	2.20626E-09	1.05E-11	2.22E-09	1.42E-06	4.05E-09	1.42E-06	1.77E-07	1.11E-09	1.78E-07	6.84E-13	2.07E-12	1.2E-12	1.89E-14	4.56E-13	2.52E-14	5.00534E-13	1.583E-07	7.11E-06	2.97E-06	5.68463E-13	6.65101E-14	3.49216E-13	1.36194E-14
101	570350.6	4178039	0.55, 41780	0.10181	0.07823	67.40685	28.30867	8.42586	4.71811	2.39084E-09	1.15E-11	2.4E-09	1.58E-06	4.18E-09	1.59E-06	1.98E-07	1.24E-09	1.99E-07	7.41E-13	2.24E-12	1.3E-12	2.05E-14	4.95E-13	2.73E-14	5.42446E-13	1.716E-07	7.9356E-06	3.32E-06	6.16063E-13	7.20793E-14	3.78457E-13	1.47598E-14
102	570390.6	4178039	0.55, 41780	0.11033	0.08626	70.86935	29.39362	8.85867	4.86131	2.59091E-09	1.27E-11	2.6E-09	1.66E-06	4.34E-09	1.67E-06	2.08E-07	1.31E-09	2.09E-07	8.03E-13	2.43E-12	1.4E-12	2.22E-14	5.36E-13	2.96E-14	5.8789E-13	1.86E-07	8.3429E-06	3.49E-06	6.67674E-13	7.81179E-14	4.10163E-13	1.59964E-14
103	570430.6	4178039	0.55, 41780	0.11935	0.09539	72.77771	30.53752	9.09721	4.99157	2.80273E-09	1.41E-11	2.82E-09	1.71E-06	4.51E-09	1.71E-06	2.14E-07	1.34E-09	2.15E-07	8.69E-13	2.62E-12	1.52E-12	2.4E-14	5.8E-13	3.2E-14	6.36022E-13	2.012E-07	8.5678E-06	3.58E-06	7.22338E-13	8.45136E-14	4.43744E-13	1.7306E-14
104	570470.6	4178039	0.55, 41780	0.12876	0.10583	77.88414	31.78332	9.73552	5.12346	3.02371E-09	1.56E-11	3.04E-09	1.83E-06	4.69E-09	1.83E-06	2.29E-07	1.44E-09	2.3E-07	9.38E-13	2.83E-12	1.64E-12	2.59E-14	6.26E-13	3.45E-14	6.86266E-13	2.171E-07	9.1683E-06	3.83E-06	7.79401E-13	9.11899E-14	4.78798E-13	1.86731E-14
105	570510.6	4178039	0.55, 41780	0.13797	0.11733	81.61557	33.05226	10.20195	5.27698	3.23999E-09	1.73E-11	3.26E-09	1.92E-06	4.88E-09	1.92E-06	2.4E-07	1.51E-09	2.41E-07	1.01E-12	3.03E-12	1.76E-12	2.78E-14	6.71E-13	3.7E-14	7.35484E-13	2.327E-07	9.6074E-06	4.02E-06	8.35299E-13	9.77299E-14	5.13137E-13	2.00124E-14
106	570550.6	4178039	0.55, 41780	0.14677	0.12979	83.22783	34.40977	10.40348	5.64664	3.44665E-09	1.92E-11	3.47E-09	1.95E-06	5.08E-09	1.96E-06	2.44E-07	1.54E-09	2.46E-07	1.07E-12	3.23E-12	1.87E-12	2.95E-14	7.14E-13	3.94E-14	7.82561E-13	2.476E-07	9.7977E-06	4.1E-06	8.88764E-13	1.03985E-13	5.45982E-13	2.12933E-14
107	570590.6	4178039	0.55, 41780	0.15543	0.14397	100.7883	35.81672	12.59854	6.05306	3.65001E-09	2.12E-11	3.67E-09	2.37E-06	5.29E-09	2.37E-06	2.96E-07	1.86E-09	2.98E-07	1.13E-12	3.42E-12	1.98E-12	3.13E-14	7.56E-13	4.17E-14	8.28952E-13	2.622E-07	1.1861E-05	4.96E-06	9.41451E-13	1.1015E-13	5.78349E-13	2.25556E-14
108	570630.6	4178039	0.55, 41780	0.16446	0.15887	114.63184	37.47906	14.32898	6.85921	3.86207E-09	2.34E-11	3.89E-09	2.69E-06	5.53E-09	2.7E-06	3.36E-07	2.11E-09	3.39E-07	1.2E-12	3.62E-12	2.1E-12	3.31E-14	8E-13	4.41E-14	8.7733E-13	2.775E-07	1.3487E-05	5.64E-06	9.96394E-13	1.16578E-13	6.12101E-13	2.38719E-14
109	570670.6	4178039	0.55, 41780	0.17604	0.17458	120.19022	39.09251	15.02378	7.81169	4.134E-09	2.58E-11	4.16E-09	2.82E-06	5.77E-09	2.83E-06	3.53E-07	2.22E-09	3.55E-07	1.28E-12	3.88E-12	2.24E-12	3.55E-14	8.57E-13	4.73E-14	9.39255E-13	2.971E-07	1.4141E-05	5.92E-06	1.06672E-12	1.24807E-13	6.55306E-13	2.55569E-14
110	570710.6	4178039	0.55, 41780	0.19156	0.191	122.05191	40.81454	15.86896	8.63568	4.49846E-09	2.82E-11	4.53E-09	2.87E-06	6.02E-09	2.87E-06	3.73E-07	2.34E-09	3.75E-07	1.4E-12	4.22E-12	2.44E-12	3.86E-14	9.32E-13	5.14E-14	1.0221E-12	3.233E-07	1.4361E-05	6.25E-06	1.16081E-12	1.35814E-13	7.13102E-13	2.7811E-14
111	570750.6	4178039	0.55, 41780	0.2105	0.20761	132.53323	47.68084	16.56665	9.43658	4.94324E-09	3.06E-11	4.97E-09	3.11E-06	7.04E-09	3.12E-06	3.89E-07	2.44E-09	3.91E-07	1.53E-12	4.63E-12	2.68E-12	4.24E-14	1.02E-12	5.65E-14	1.12308E-12	3.553E-07	1.5597E-05	6.52E-06	1.27549E-12	1.49233E-13	7.83556E-13	3.05587E-14
112	570790.6	4178039	0.55, 41780	0.23169	0.22417	139.552	52.7884	17.444	10.33029	5.44085E-09	3.31E-11	5.47E-09	3.28E-06	7.79E-09	3.28E-06	4.1E-07	2.57E-09	4.12E-07	1.69E-12	5.1E-12	2.95E-12	4.67E-14	1.13E-12	6.22E-14	1.23599E-12	3.91E-07	1.6425E-05	6.87E-06	1.40373E-12	1.64236E-13	8.62331E-13	3.36309E-14
113	570830.6	4178039	0.55, 41780	0.25382	0.24067	145.24751	55.81087	18.15594	11.28689	5.96054E-09	3.55E-11	6E-09	3.41E-06	8.24E-09	3.42E-06	4.26E-07	2.68E-09	4.29E-07	1.85E-12	5.59E-12	3.23E-12	5.11E-14	1.23E-12	6.81E-14	1.35388E-12	4.283E-07	1.7096E-05	7.15E-06	1.53762E-12	1.79901E-13	9.44583E-13	3.68387E-14
114	570870.6	4178039	0.55, 41780	0.27385	0.25672	159.27674	59.06353	19.90959	12.04587	6.43091E-09	3.79E-11	6.47E-09	3.74E-06	8.72E-09	3.75E-06	4.68E-07	2.94E-09	4.7E-07	2E-12	6.03E-12	3.49E-12	5.51E-14	1.33E-12	7.35E-14	1.46062E-12	4.621E-07	1.8745E-05	7.84E-06	1.65885E-12	1.94085E-13	1.01906E-12	3.97432E-14
115	570910.6	4178039	0.55, 41780	0.28498	0.272	154.31681	63.03506	19.2896	11.80173	6.69228E-09	4.01E-11	6.73E-09	3.62E-06	9.30E-09	3.63E-06	4.53E-07	2.85E-09	4.56E-07	2.08E-12	6.27E-12	3.63E-12	5.74E-14	1.39E-12	7.65E-14	1.52015E-12	4.809E-07	1.8166E-05	7.6E-06	1.72645E-12	2.01995E-13	1.06059E-12	4.13628E-14
116	570950.6	4178039	0.55, 41780	0.28313	0.28254	178.15221	69.82475	22.26903	10.41815	6.64883E-09	4.17E-11	6.69E-09	4.18E-06	1.03E-08	4.19E-06	5.23E-07	3.29E-09	5.26E-07	2.06E-12	6.23E-12	3.61E-12	5.7E-14	1.38E-12	7.6E-14	1.51069E-12	4.779E-07	2.097E-05	8.77E-06	1.71571E-12	2.00738E-13	1.05399E-12	4.11055E-14
117	570990.6	4178039	0.55, 41780	0.27042	0.28832	188.87787	74.10995	29.14051	12.35166	6.35036E-09	4.25E-11	6.39E-09	4.44E-06	1.09E-08	4.45E-06	6.84E-07	4.30E-09	6.89E-07	1.97E-12	5.96E-12	3.45E-12	5.45E-14	1.32E-12	7.26E-14	1.44349E-12	4.566E-07	2.2232E-05	1.15E-05	1.63939E-12	1.91808E-13	1.0071E-12	3.9277E-14
118	571030.6	4178039	0.55, 41780	0.25749	0.29249	188.96663	83.29257	26.99523	13.88209	6.04672E-09	4.32E-11	6.09E-09	4.44E-06	1.23E-08	4.45E-06	6.34E-07	3.98E-09	6.38E-07	1.88E-12	5.67E-12	3.28E-12	5.19E-14	1.25E-12	6.92E-14	1.37507E-12	4.35E-07	2.2249E-05	1.06E-05	1.56168E-12	1.82716E-13	9.59365E-13	3.74152E-14
119	571070.6	4178039	0.55, 41780	0.25163	0.29646	192.59035	92.57991	26.01862	14.40126	5.90911E-09	4.37E-11	5.95E-09	4.52E-06	1.37E-08	4.54E-06	6.11E-07	3.84E-09	6.15E-07	1.84E-12	5.55E-12	3.21E-12	5.07E-14	1.23E-12	6.76E-14	1.34413E-12	4.252E-07	2.2682E-05	1.02E-05	1.52654E-12	1.78605E-13	9.37779E-13	3.65734E-14
120	571110.6	4178039	0.55, 41780	0.23996	0.28057	179.79911	89.13384	29.33997	15.522	5.63506E-09	4.14E-11	5.68E-09	4.22E-06	1.32E-08	4.24E-06	6.89E-07	4.33E-09	6.93E-07	1.75E-12	5.29E-12	3.06E-12	4.84E-14	1.17E-12	6.45E-14	1.28172E-12	4.055E-07	2.1177E-05	1.16E-05	1.45566E-12	1.70312E-13	8.94237E-13	3.48752E-14
121	571150.6	4178039	0.55, 41780	0.25767	0.30302	202.30498	100.11261	28.90071	16.95197	6.05095E-09	4.47E-11	6.1E-09	4.75E-06	1.48E-08	4.77E-06	6.79E-07	4.26E-09	6.83E-07	1.88E-12	5.68E-12	3.29E-12	5.2E-14	1.26E-12	6.92E-14	1.37637E-12	4.354E-07	2.3828E-05	1.14E-05	1.56316E-12	1.8289E-13	9.60276E-13	3.74507E-14
122	571190.6	4178039	0.55, 41780	0.27122	0.30641	194.68377	101.89225	27.81197	16.7188	6.36915E-09	4.52E-11	6.41E-09	4.57E-06	1.50E-08	4.59E-06	6.53E-07	4.10E-09	6.57E-07	1.98E-12	5.98E-12	3.46E-12	5.47E-14	1.32E-12	7.29E-14	1.44833E-12	4.582E-07	2.2934E-05	1.1E-05	1.64489E-12	1.92452E-13	1.01048E-12	3.94088E-14
123	571230.6	4178039	0.55, 41780	0.28804	0.31092	196.84209	99.06119	24.60526	16.26482	6.76413E-09	4.59E-11	6.81E-09	4.62E-06	1.46E-08	4.64E-06	5.78E-07	3.63E-09	5.81E-07	2.1E-12	6.35E-12	3.67E-12	5.81E-14	1.4E-12	7.74E-14	1.53767E-12	4.864E-07	2.3186E-05	9.69E-06	1.74635E-12	2.04323E-13	1.07281E-12	4.18396E-14
124	571270.6	4178039	0.55, 41780	0.31661	0.32283	191.8709	85.51951	23.98386	14.63938	7.43505E-09	4.76E-11	7.48E-09	4.51E-06	1.26E-08	4.52E-06	5.63E-07	3.54E-09	5.67E-07	2.31E-12	6.97E-12	4.04E-12	6.38E-14	1.54E-12	8.5E-14	1.68956E-12	5.345E-07	2.2592E-05	9.45E-06	1.91885E-12	2.24505E-13	1.17878E-12	4.59724E-14
125	571310.6	4178039	0.55, 41780	0.35598	0.34149	189.38373	68.10225	23.67297	13.72977	8.35959E-09	5.04E-11	8.41E-09	4.45E-06	1.00E-08	4.46E-06	5.56E-07	3.49E-09	5.59E-07	2.6E-12	7.84E-12	4.54E-12	7.17E-14	1.73E-12	9.55E-14	1.89893E-12	6.007E-07	2.2287E-05	9.32E-06	2.15664E-12	2.52327E-13	1.32486E-12	5.16696E-14
126	571350.6	4178039	0.55, 41780	0.39399	0.35989	182.95784	62.01914	22.86973	11.81322	9.25219E-09	5.31E-11	9.31E-09	4.3E-06	9.15E-09	4.31E-06	5.37E-07	3.37E-09	5.4E-07	2.87E-12	8.67E-12	5.02E-12	7.93E-14	1.92E-12	1.06E-13	2.10109E-12	6.647E-07	2.1528E-05	9.01E-06	2.38624E-12	2.7919E-13	1.4659E-12	5.71702E-14
127	571390.6	4178039	0.55, 41780	0.4222	0.3733	164.47464	56.17724	20.55933	10.13431	9.91466E-09	5.51E-11	9.97E-09	3.86E-06	8.29E-09	3.87E-06	4.83E-07	3.03E-09	4.86E-07	3.08E-12	9.29E-12	5.38E-12	8.5E-14	2.05E-12	1.13E-13	2.25112E-12	7.121E-07	1.9353E-05	8.1E-06	2.55662E-12	2.99125E-13	1.57058E-12	6.12525E-14
128	571430.6	4178039	0.55, 41780	0.44026	0.38105	146.31006	45.8458	18.28876	9.60517	1.03388E-08	5.62E-11	1.04E-08	3.44E-06	6.77E-09	3.44E-06	4.29E-07	2.70E-09	4.32E-07	3.21E-12	9.69E-12	5.61E-12	8.86E-14	2.14E-12	1.18E-13	2.34714E-12	7.425E-07	1.7213E-05	7.2E-06	2.66568E-12	3.11884E-13	1.63757E-12	6.38651E-14
129	571470.6	4178039	0.55, 41780	0.44344	0.3799	134.05635	35.96521	16.75704	8.42199	1.04134E-08	5.61E-11	1.05E-08	3.15E-06	5.31E-09	3.15E-06	3.94E-07	2.47E-09	3.96E-07	3.23E-12	9.75E-12	5.65E-12	8.92E-14	2.16E-12	1.19E-13	2.36396E-12	7.478E-07	1.5767E-05	6.6E-06	2.68478E-12	3.1412E-13	1.64931E-12	6.43229E-14
130	571510.6	4178039	0.55, 41780	0.43369	0.37075	135.2804	26.4112	16.91005	8.14543	1.01845E-08	5.47E-11	1.02E-08	3.18E-06	3.90E-09	3.18E-06	3.97E-07	2.50E-09	4E-07	3.16E-12	9.54E-12	5.52E-12	8.73E-14	2.11E-12	1.16E-13	2.31196E-12	7.314E-07	1.5904E-05	6.66E-06	2.62572E-12	3.07209E-13	1.61302E-12	6.29079E-14
131	571550.6	4178039	0.55, 41780	0.4157	0.35641	128.00174	25.24959	16.00022	7.84928	9.76201E-09	5.26E-11	9.81E-09	3.01E-06	3.73E-09	3.01E-06	3.76E-07	2.36E-09	3.78E-07	3.03E-12	9.14E-12	5.29E-12	8.37E-14	2.02E-12	1.11E-13	2.21609E-12	7.01E-07	1.5048E-05	6.3E-06	2.51684E-12	2.94471E-13	1.54614E-12	6.02993E-14
132	571590.6	4178039	0.55, 41780	0.38889	0.33646	114.21376	28.264	14.27672	7.21894	9.13243E-09	4.97E-11	9.18E-09	2.68E-06	4.17E-09	2.69E-06	3.35E-07	2.11E-09	3.37E-07	2.83E-12	8.56E-12	4.95E-12	7.83E-14	1.89E-12	1.04E-13	2.07327E-12	6.559E-07	1.3431E-05	5.62E-06	2.35464E-12	2.75493E-13	1.44649E-12	5.64132E-14
133	570310.6	4178079	0.55, 41780	0.09792	0.07296	71.40728	28.01469	8.92591	4.66912	2.29949E-09	1.08E-11	2.31E-09	1.68E-06	4.13E-09	1.68E-06	2.1E-07	1.32E-09	2.11E-07	7.13E-13	2.15E-12	1.25E-12	1.97E-14	4.76E-13	2.62E-14	5.21644E-13	1.65E-07	8.4051E-06	3.52E-06	5.92437E-13	6.93152E-14	3.63944E-13	1.41938E-14
134	570350.6	4178079	0.55, 41780	0.1067	0.08065	70.03301	29.10671	8.75413	4.85112	2.50567E-09	1.19E-11	2.52E-09	1.64E-06	4.30E-09	1.65E-06	2.06E-07	1.29E-09	2.07E-07	7.77E-13	2.35E-12	1.36E-12	2.15E-14	5.18E-13	2.86E-14	5.68456E-13	1.798E-07	8.2445E-06	3.45E-06	6.45602E-13	7.55354E-14	3.96604E-13	1.54675E-14
135	570390.6	4178079	0.55, 41780	0.11641	0.08948	73.93226	30.15719	9.24153	5.0262	2.73369E-09	1.32E-11	2.75E-09	1.74E-06	4.45E-09	1.74E-06	2.17E-07	1.36E-09	2.18E-07	8.48E-13	2.56E-12	1.48E-12	2.34E-14	5.66E-13	3.12E-14	6.20236E-13	1.962E-07	8.7031E-06	3.64E-06	7.0441E-13	8.24159E-14	4.3273E-13	1.68765E-14
136	570430.6	4178079	0.55, 41780	0.12715	0.09969	79.99098	31.34254	9.99887	5.20891	2.9859E-09	1.47E-11	3E-09	1.88E-06	4.63E-09	1.88E-06	2.35E-07	1.48E-09	2.36E-07	9.26E-13	2.8E-12	1.62E-12	2.56E-14	6.18E-13	3.41E-14	6.77525E-13	2.143E-07	9.4154E-06	3.94E-06	7.69473E-13	9.00283E-14	4.727E-13	1.84353E-14
137	570470.6	4178079	0.55, 41780	0.13857	0.11144	81.53824	32.65768	10.19228	5.39019	3.25408E-09	1.64E-11	3.27E-09	1.91E-06	4.82E-09	1.92E-06	2.39E-07	1.50E-09	2.41E-07	1.01E-12	3.05E-12	1.76E-12	2.79E-14	6.73E-13	3.72E-14	7.3847E-13	2.336E-07	9.598E-06	4.01E-06	8.38689E-13	9.81266E-14	5.1522E-13	2.00936E-14
138	570510.6	4178079	0.55, 41780	0.15049	0.12507	87.75299	34.11951	10.96912	5.60116	3.534E-09	1.85E-11	3.55E-09	2.06E-06	5.03E-09	2.07E-06	2.58E-07	1.62E-09	2.59E-07	1.1E-12	3.31E-12	1.92E-12	3.03E-14	7.31E-13	4.04E-14	8.02129E-13	2.537E-07	1.0329E-05	4.32E-06	9.10987E-13	1.06585E-13	5.59634E-13	2.18257E-14
139	570550.6	4178079	0.55, 41780	0.16198	0.14034	91.64015	35.64897	11.45502	5.99366	3.80383E-09	2.07E-11	3.82E-09	2.15E-06	5.26E-09	2.16E-06	2.69E-07	1.69E-09	2.71E-07	1.18E-12	3.56E-12	2.06E-12	3.26E-14	7.88E-13	4.34E-14	8.63562E-13	2.732E-07	1.0786E-05	4.51E-06	9.80758E-13	1.14749E-13	6.02496E-13	2.34973E-14
140	570590.6	4178079	0.55, 41780	0.17272	0.15744	88.35639	37.38874	11.57204	6.46071	4.05604E-09	2.32E-11	4.08E-09	2.07E-06	5.52E-09	2.08E-06	2.72E-07	1.71E-09	2.73E-07	1.26E-12	3.8E-12	2.2E-12	3.48E-14	8.4E-13	4.63E-14	9.2108E-13	2.914E-07	1.0402E-05	4.56E-06	1.04608E-12	1.22392E-13	6.42625E-13	2.50624E-14
141	570630.6	4178079	0.55, 41780	0.1831	0.1763	101.08083	39.23196	12.6351	7.02353	4.2998E-09	2.60E-11	4.33E-09	2.37E-06	5.79E-09	2.38E-06	2.97E-07	1.86E-09	2.99E-07	1.33E-12	4.03E-12	2.33E-12	3.69E-14	8.91E-13	4.91E-14	9.76748E-13	3.09E-07	1.1898E-05	4.98E-06	1.1093E-12	1.29789E-13	6.81463E-13	2.65771E-14
142	570670.6	4178079	0.55, 41780	0.19537	0.19687	125.63761	41.20021	15.7047	8.22231	4.58794E-09	2.91E-11	4.62E-09	2.95E-06	6.08E-09	2.96E-06	3.69E-07	2.32E-09	3.71E-07	1.42E-12	4.3E-12	2.49E-12	3.94E-14	9.51E-13	5.24E-14	1.04249E-12	3.298E-07	1.4782E-05	6.19E-06	1.18397E-12	1.38525E-13	7.27334E-13	2.8366E-14
143	570710.6	4178079	0.55, 41780	0.21241	0.21933	144.38379	43.29239	18.04797	9.29195	4.98809E-09	3.24E-11	5.02E-09	3.39E-06	6.39E-09	3.4E-06	4.24E-07	2.66E-09	4.26E-07	1.55E-12	4.68E-12	2.71E-12	4.28E-14	1.03E-12	5.7E-14	1.1336E-12	3.586E-07	1.6985E-05	7.11E-06	1.28744E-12	1.5063E-13	7.90894E-13	3.08449E-14
144	570750.6	4178079	0.55, 41780	0.23537	0.24332	149.96792	48.92505	18.74599	10.23	5.52727E-09	3.59E-11	5.56E-09	3.52E-06	7.22E-09	3.53E-06	4.4E-07	2.77E-09	4.43E-07	1.72E-12	5.18E-12	3E-12	4.74E-14	1.15E-12	6.32E-14	1.25614E-12	3.974E-07	1.7645E-05	7.38E-06	1.42661E-12	1.66914E-13	8.7639E-13	3.41792E-14
145	570790.6	4178079	0.55, 41780	0.26445	0.26867	159.48841	56.15329	19.93605	11.24377	6.21016E-09	3.96E-11	6.25E-09	3.75E-06	8.29E-09	3.75E-06	4.68E-07	2.94E-09	4.71E-07	1.93E-12	5.82E-12	3.37E-12	5.33E-14	1.29E-12	7.1E-14	1.41118E-12	4.464E-07	1.8768E-05	7.85E-06	1.60269E-12	1.87515E-13	9.84559E-13	3.83978E-14
146	570830.6	4178079	0.55, 41780	0.30001	0.29551	164.85959	59.75168	20.60745	12.43332	7.04523E-09	4.36E-11	7.09E-09	3.87E-06	8.82E-09	3.88E-06	4.84E-07	3.04E-09	4.87E-07	2.19E-12	6.6E-12	3.82E-12	6.04E-14	1.46E-12	8.05E-14	1.60063E-12	5.063E-07	1.9401E-05	8.12E-06	1.81785E-12	2.12688E-13	1.11673E-12	4.35527E-14
147	570870.6	4178079	0.55, 41780	0.34051	0.32416	178.96906	63.85658	22.37113	13.91568	7.9963E-09	4.78E-11	8.04E-09	4.2E-06	9.42E-09	4.21E-06	5.25E-07	3.30E-09	5.29E-07	2.48E-12	7.49E-12	4.34E-12	6.86E-14	1.66E-12	9.14E-14	1.81633E-12	5.746E-07	2.1061E-05	8.81E-06	2.06283E-12	2.41351E-13	1.26723E-12	4.94219E-14
148	570910.6	4178079	0.55, 41780	0.37529	0.35313	192.82824	68.49057	24.10353	15.26079	8.81305E-09	5.21E-11	8.87E-09	4.53E-06	1.01E-08	4.54E-06	5.66E-07	3.56E-09	5.7E-07	2.74E-12	8.26E-12	4.78E-12	7.56E-14	1.83E-12	1.01E-13	2.00171E-12	6.332E-07	2.2692E-05	9.49E-06	2.27337E-12	2.65984E-13	1.39657E-12	5.44661E-14
149	570950.6	4178079	0.55, 41780	0.39192	0.37725	199.56835	75.56845	26.9715	14.65967	9.20358E-09	5.57E-11	9.26E-09	4.69E-06	1.12E-08	4.7E-06	6.33E-07	3.98E-09	6.37E-07	2.86E-12	8.63E-12	4.99E-12	7.89E-14	1.91E-12	1.05E-13	2.09069E-12	6.614E-07	2.3488E-05	1.06E-05	2.37443E-12	2.77808E-13	1.45865E-12	5.68873E-14
150	570990.6	4178079	0.55, 41780	0.38624	0.39167	209.52387	83.72546	31.32288	13.79848	9.0702E-09	5.78E-11	9.13E-09	4.92E-06	1.24E-08	4.93E-06	7.36E-07	4.62E-09	7.4E-07	2.82E-12	8.5E-12	4.92E-12	7.78E-14	1.88E-12	1.04E-13	2.06106E-12	6.52E-07	2.4663E-05	1.23E-05	2.34077E-12	2.7387E-13	1.43797E-12	5.60809E-14
151	571030.6	4178079	0.55, 41780	0.36706	0.40059	238.62537	94.19927	34.73297	15.69988	8.61979E-09	5.91E-11	8.68E-09	5.6E-06	1.39E-08	5.62E-06	8.16E-07	5.13E-09	8.21E-07	2.68E-12	8.09E-12	4.68E-12	7.4E-14	1.79E-12	9.86E-14	1.95965E-12	6.199E-07	2.8088E-05	1.37E-05	2.2256E-12	2.60396E-13	1.36722E-12	5.33217E-14
152	571070.6	4178079	0.55, 41780	0.35702	0.41066	228.92087	105.90077	31.45005	16.61116	8.38401E-09	6.06E-11	8.44E-09	5.38E-06	1.56E-08	5.39E-06	7.39E-07	4.64E-09	7.43E-07	2.61E-12	7.87E-12	4.55E-12	7.2E-14	1.74E-12	9.59E-14	1.90675E-12	6.032E-07	2.6957E-05	1.24E-05	2.16552E-12	2.53366E-13	1.33032E-12	5.18823E-14
153	571110.6	4178079	0.55, 41780	0.35812	0.41418	212.64364	104.08221	34.6648	20.98986	8.40985E-09	6.11E-11	8.47E-09	4.99E-06	1.54E-08	5.01E-06	8.14E-07	5.12E-09	8.19E-07	2.61E-12	7.89E-12	4.57E-12	7.22E-14	1.74E-12	9.62E-14	1.9127E-12	6.051E-07	2.5045E-05	1.37E-05	2.17228E-12	2.54157E-13	1.33447E-12	5.20442E-14
154	571150.6	4178079	0.55, 41780	0.37758	0.42317	239.48451	117.47672	34.21207	20.38272	8.86683E-09	6.24E-11	8.93E-09	5.62E-06	1.73E-08	5.64E-06	8.03E-07	5.05E-09	8.08E-07	2.76E-12	8.32E-12	4.82E-12	7.61E-14	1.84E-12	1.01E-13	2.01619E-12	6.378E-07	2.8206E-05	1.35E-05	2.28981E-12	2.67908E-13	1.40667E-12	5.486E-14
155	571190.6	4178079	0.55, 41780	0.41277	0.43447	228.77572	115.09155	28.66724	20.67403	9.69321E-09	6.41E-11	9.76E-09	5.37E-06	1.70E-08	5.39E-06	6.73E-07	4.23E-09	6.77E-07	3.01E-12	9.09E-12	5.26E-12	8.32E-14	2.01E-12	1.11E-13	2.20316E-12	6.97E-07	2.6947E-05	1.13E-05	2.50215E-12	2.92752E-13	1.53711E-12	5.99474E-14
156	571230.6	4178079	0.55, 41780	0.46673	0.45732	219.54291	100.98995	27.44286	18.56894	1.09604E-08	6.75E-11	1.1E-08	5.16E-06	1.49E-08	5.17E-06	6.44E-07	4.05E-09	6.48E-07	3.4E-12	1.03E-11	5.95E-12	9.4E-14	2.27E-12	1.25E-13	2.49004E-12	7.877E-07	2.5852E-05	1.08E-05	2.82796E-12	3.30872E-13	1.73726E-12	6.77533E-14
157	571270.6	4178079	0.55, 41780	0.53318	0.48578	215.1929	81.06645	26.89911	17.27973	1.25208E-08	7.17E-11	1.26E-08	5.05E-06	1.20E-08	5.07E-06	6.32E-07	3.97E-09	6.36E-07	3.89E-12	1.17E-11	6.79E-12	1.07E-13	2.59E-12	1.43E-13	2.84333E-12	8.995E-07	2.5327E-05	1.06E-05	3.22921E-12	3.77817E-13	1.98375E-12	7.73664E-14
158	571310.6	4178079	0.55, 41780	0.58671	0.50689	205.97464	69.75551	25.74683	14.70822	1.37779E-08	7.48E-11	1.39E-08	4.84E-06	1.03E-08	4.85E-06	6.05E-07	3.80E-09	6.08E-07	4.27E-12	1.29E-11	7.47E-12	1.18E-13	2.85E-12	1.57E-13	3.12787E-12	9.895E-07	2.4236E-05	1.01E-05	3.55236E-12	4.15626E-13	2.18227E-12	8.51087E-14
159	571350.6	4178079	0.55, 41780	0.61439	0.51569	184.46358	62.8789	23.05795	12.5762	1.44279E-08	7.61E-11	1.45E-08	4.33E-06	9.28E-09	4.34E-06	5.41E-07	3.40E-09	5.45E-07	4.48E-12	1.35E-11	7.82E-12	1.24E-13	2.99E-12	1.65E-13	3.27494E-12	1.036E-06	2.1705E-05	9.08E-06	3.71939E-12	4.35168E-13	2.28488E-12	8.91103E-14
160	571390.6	4178079	0.55, 41780	0.61879	0.51229	162.6235	50.78632	20.32794	11.67282	1.45312E-08	7.56E-11	1.46E-08	3.82E-06	7.49E-09	3.83E-06	4.77E-07	3.00E-09	4.8E-07	4.51E-12	1.36E-11	7.88E-12	1.25E-13	3.01E-12	1.66E-13	3.29815E-12	1.043E-06	1.9132E-05	8.01E-06	3.74575E-12	4.38253E-13	2.30108E-12	8.9742E-14
161	571430.6	4178079	0.55, 41780	0.60477	0.49855	157.24404	39.05995	19.65551	9.99401	1.4202E-08	7.36E-11	1.43E-08	3.69E-06	5.76E-09	3.7E-06	4.62E-07	2.90E-09	4.64E-07	4.41E-12	1.33E-11	7.7E-12	1.22E-13	2.94E-12	1.62E-13	3.22336E-12	1.02E-06	1.8492E-05	7.74E-06	3.66081E-12	4.28314E-13	2.24889E-12	8.77068E-14
162	571470.6	4178079	0.55, 41780	0.57311	0.47467	152.07991	30.59352	19.00999	9.68796	1.34585E-08	7.00E-11	1.35E-08	3.57E-06	4.51E-09	3.58E-06	4.46E-07	2.81E-09	4.49E-07	4.17E-12	1.26E-11	7.3E-12	1.15E-13	2.79E-12	1.54E-13	3.05469E-12	9.663E-07	1.7879E-05	7.49E-06	3.46924E-12	4.05902E-13	2.13121E-12	8.31173E-14
163	571510.6	4178079	0.55, 41780	0.53465	0.44658	137.55383	33.88214	17.19423	8.95455	1.25554E-08	6.59E-11	1.26E-08	3.23E-06	5.00E-09	3.24E-06	4.04E-07	2.54E-09	4.06E-07	3.89E-12	1.18E-11	6.81E-12	1.08E-13	2.6E-12	1.43E-13	2.84982E-12	9.015E-07	1.6176E-05	6.77E-06	3.23657E-12	3.78679E-13	1.98828E-12	7.75429E-14
164	571550.6	4178079	0.55, 41780	0.48548	0.41212	120.13532	36.07438	15.01691	7.90342	1.14007E-08	6.08E-11	1.15E-08	2.82E-06	5.32E-09	2.83E-06	3.53E-07	2.22E-09	3.55E-07	3.54E-12	1.07E-11	6.18E-12	9.77E-14	2.36E-12	1.3E-13	2.58795E-12	8.187E-07	1.4132E-05	5.91E-06	2.93917E-12	3.43883E-13	1.80558E-12	7.04175E-14
165	571590.6	4178079	0.55, 41780	0.43445	0.37558	108.95419	37.19094	13.61927	6.74143	1.02023E-08	5.54E-11	1.03E-08	2.56E-06	5.49E-09	2.56E-06	3.2E-07	2.01E-09	3.22E-07	3.17E-12	9.56E-12	5.53E-12	8.74E-14	2.11E-12	1.17E-13	2.31615E-12	7.327E-07	1.282E-05	5.36E-06	2.63048E-12	3.07766E-13	1.61595E-12	6.30219E-14
166	570310.6	4178119	0.55, 41781	0.10149	0.07442	69.0748	28.05035	8.63435	4.67506	2.38332E-09	1.10E-11	2.39E-09	1.62E-06	4.14E-09	1.63E-06	2.03E-07	1.27E-09	2.04E-07	7.39E-13	2.23E-12	1.29E-12	2.04E-14	4.93E-13	2.72E-14	5.40622E-13	1.71E-07	8.1312E-06	3.4E-06	6.13991E-13	7.1837E-14	3.77185E-13	1.47102E-14
167	570350.6	4178119	0.55, 41781	0.11138	0.08273	79.07973	29.62524	9.88497	4.93754	2.61557E-09	1.22E-11	2.63E-09	1.86E-06	4.37E-09	1.86E-06	2.32E-07	1.46E-09	2.34E-07	8.11E-13	2.45E-12	1.42E-12	2.24E-14	5.41E-13	2.98E-14	5.9334E-13	1.877E-07	9.3071E-06	3.89E-06	6.73864E-13	7.8842E-14	4.13965E-13	1.61446E-14
168	570390.6	4178119	0.55, 41781	0.12249	0.09237	81.81771	30.97041	10.22721	5.16174	2.87647E-09	1.36E-11	2.89E-09	1.92E-06	4.57E-09	1.93E-06	2.4E-07	1.51E-09	2.42E-07	8.92E-13	2.69E-12	1.56E-12	2.46E-14	5.95E-13	3.28E-14	6.52571E-13	2.064E-07	9.6296E-06	4.03E-06	7.41133E-13	8.67126E-14	4.5529E-13	1.77563E-14
169	570430.6	4178119	0.55, 41781	0.13492	0.10362	81.48606	32.23138	10.18576	5.3719	3.16837E-09	1.53E-11	3.18E-09	1.91E-06	4.76E-09	1.92E-06	2.39E-07	1.50E-09	2.41E-07	9.82E-13	2.97E-12	1.72E-12	2.71E-14	6.56E-13	3.62E-14	7.18855E-13	2.274E-07	9.5916E-06	4.01E-06	8.16413E-13	9.55203E-14	5.01535E-13	1.95599E-14
170	570470.6	4178119	0.55, 41781	0.14882	0.11683	90.82614	33.6686	11.35327	5.5932	3.49479E-09	1.72E-11	3.51E-09	2.13E-06	4.97E-09	2.14E-06	2.67E-07	1.68E-09	2.68E-07	1.08E-12	3.27E-12	1.89E-12	2.99E-14	7.23E-13	3.99E-14	7.92999E-13	2.509E-07	1.0689E-05	4.47E-06	9.00619E-13	1.05372E-13	5.53265E-13	2.15773E-14
171	570510.6	4178119	0.55, 41781	0.16361	0.13228	92.34034	35.20886	11.54254	5.82093	3.84211E-09	1.95E-11	3.86E-09	2.17E-06	5.20E-09	2.17E-06	2.71E-07	1.70E-09	2.73E-07	1.19E-12	3.6E-12	2.08E-12	3.29E-14	7.95E-13	4.39E-14	8.71937E-13	2.758E-07	1.0868E-05	4.55E-06	9.90269E-13	1.15861E-13	6.08338E-13	2.37252E-14
172	570550.6	4178119	0.55, 41781	0.17911	0.1505	100.11195	36.92243	12.51399	6.33987	4.2061E-09	2.22E-11	4.23E-09	2.35E-06	5.45E-09	2.36E-06	2.94E-07	1.85E-09	2.96E-07	1.3E-12	3.94E-12	2.28E-12	3.6E-14	8.71E-13	4.8E-14	9.54731E-13	3.02E-07	1.1782E-05	4.93E-06	1.0843E-12	1.26863E-13	6.66103E-13	2.5978E-14
173	570590.6	4178119	0.55, 41781	0.19374	0.17125	103.74737	38.76233	12.96842	6.89651	4.54966E-09	2.53E-11	4.57E-09	2.44E-06	5.72E-09	2.44E-06	3.05E-07	1.91E-09	3.06E-07	1.41E-12	4.26E-12	2.47E-12	3.9E-14	9.42E-13	5.2E-14	1.033E-12	3.268E-07	1.221E-05	5.11E-06	1.17319E-12	1.37263E-13	7.20708E-13	2.81076E-14
174	570630.6	4178119	0.55, 41781	0.2069	0.19483	104.63966	41.01094	13.84797	7.49161	4.8587E-09	2.88E-11	4.89E-09	2.46E-06	6.05E-09	2.46E-06	3.25E-07	2.04E-09	3.27E-07	1.51E-12	4.55E-12	2.64E-12	4.17E-14	1.01E-12	5.55E-14	1.10356E-12	3.491E-07	1.2317E-05	5.45E-06	1.25333E-12	1.4664E-13	7.69941E-13	3.00277E-14
175	570670.6	4178119	0.55, 41781	0.21998	0.22122	115.58367	43.51142	15.0671	8.60459	5.16586E-09	3.26E-11	5.2E-09	2.71E-06	6.42E-09	2.72E-06	3.54E-07	2.22E-09	3.56E-07	1.6E-12	4.84E-12	2.8E-12	4.43E-14	1.07E-12	5.91E-14	1.1738E-12	3.713E-07	1.3604E-05	5.93E-06	1.3331E-12	1.55972E-13	8.18943E-13	3.19388E-14
176	570710.6	4178119	0.55, 41781	0.23703	0.25104	127.12041	45.98226	16.41254	9.96819	5.56625E-09	3.70E-11	5.6E-09	2.99E-06	6.79E-09	2.99E-06	3.85E-07	2.42E-09	3.88E-07	1.73E-12	5.22E-12	3.02E-12	4.78E-14	1.15E-12	6.36E-14	1.2652E-12	4.002E-07	1.496E-05	6.46E-06	1.4369E-12	1.68117E-13	8.82711E-13	3.44257E-14
177	570750.6	4178119	0.55, 41781	0.26187	0.28441	163.41699	49.64069	20.42712	11.18287	6.14958E-09	4.20E-11	6.19E-09	3.84E-06	7.33E-09	3.84E-06	4.8E-07	3.01E-09	4.83E-07	1.91E-12	5.77E-12	3.34E-12	5.28E-14	1.27E-12	7.03E-14	1.39802E-12	4.423E-07	1.9224E-05	8.05E-06	1.58775E-12	1.85767E-13	9.75381E-13	3.80398E-14
178	570790.6	4178119	0.55, 41781	0.29707	0.32177	189.30326	59.79186	23.66291	12.3939	6.97619E-09	4.75E-11	7.02E-09	4.45E-06	8.82E-09	4.45E-06	5.56E-07	3.49E-09	5.59E-07	2.17E-12	6.54E-12	3.79E-12	5.99E-14	1.45E-12	7.98E-14	1.58591E-12	5.017E-07	2.2271E-05	9.32E-06	1.80114E-12	2.10733E-13	1.10647E-12	4.31523E-14
179	570830.6	4178119	0.55, 41781	0.34574	0.3643	193.11502	64.55328	24.13938	13.76558	8.11912E-09	5.38E-11	8.17E-09	4.53E-06	9.53E-09	4.54E-06	5.67E-07	3.56E-09	5.7E-07	2.52E-12	7.61E-12	4.41E-12	6.97E-14	1.68E-12	9.28E-14	1.8454E-12	5.838E-07	2.2723E-05	9.51E-06	2.09584E-12	2.45213E-13	1.28751E-12	5.02128E-14
180	570870.6	4178119	0.55, 41781	0.41228	0.41342	202.8381	69.60981	25.35476	15.49628	9.6817E-09	6.10E-11	9.74E-09	4.76E-06	1.03E-08	4.77E-06	5.95E-07	3.74E-09	5.99E-07	3.01E-12	9.08E-12	5.25E-12	8.31E-14	2.01E-12	1.11E-13	2.19986E-12	6.959E-07	2.3868E-05	9.99E-06	2.4984E-12	2.92313E-13	1.53481E-12	5.98576E-14
181	570910.6	4178119	0.55, 41781	0.49003	0.46844	224.50761	75.3478	28.06345	17.99511	1.15075E-08	6.91E-11	1.16E-08	5.27E-06	1.11E-08	5.28E-06	6.59E-07	4.14E-09	6.63E-07	3.57E-12	1.08E-11	6.24E-12	9.87E-14	2.38E-12	1.32E-13	2.61395E-12	8.269E-07	2.6417E-05	1.11E-05	2.9687E-12	3.47338E-13	1.82372E-12	7.11251E-14
182	570950.6	4178119	0.55, 41781	0.55455	0.52056	237.44511	82.6149	31.19836	20.61697	1.30227E-08	7.68E-11	1.31E-08	5.58E-06	1.22E-08	5.59E-06	7.33E-07	4.60E-09	7.37E-07	4.04E-12	1.22E-11	7.07E-12	1.12E-13	2.7E-12	1.49E-13	2.9578E-12	9.357E-07	2.7941E-05	1.23E-05	3.35921E-12	3.93028E-13	2.06362E-12	8.04811E-14
183	570990.6	4178119	0.55, 41781	0.59019	0.56679	260.70129	98.30209	39.14578	18.7176	1.38596E-08	8.36E-11	1.39E-08	6.12E-06	1.45E-08	6.14E-06	9.19E-07	5.78E-09	9.25E-07	4.3E-12	1.3E-11	7.52E-12	1.19E-13	2.87E-12	1.58E-13	3.14832E-12	9.959E-07	3.0683E-05	1.54E-05	3.57559E-12	4.18344E-13	2.19654E-12	8.56651E-14
184	571030.6	4178119	0.55, 41781	0.58003	0.59593	288.08817	110.38847	43.41155	19.84321	1.3621E-08	8.79E-11	1.37E-08	6.77E-06	1.63E-08	6.78E-06	1.02E-06	6.41E-09	1.03E-06	4.23E-12	1.28E-11	7.39E-12	1.17E-13	2.82E-12	1.56E-13	3.09542E-12	9.792E-07	3.3908E-05	1.71E-05	3.51551E-12	4.11314E-13	2.15963E-12	8.42256E-14
185	571070.6	4178119	0.55, 41781	0.56003	0.61401	281.59163	124.26135	39.26934	23.95732	1.31514E-08	9.06E-11	1.32E-08	6.61E-06	1.83E-08	6.63E-06	9.22E-07	5.79E-09	9.28E-07	4.09E-12	1.23E-11	7.14E-12	1.13E-13	2.73E-12	1.5E-13	2.98997E-12	9.459E-07	3.3155E-05	1.55E-05	3.39575E-12	3.97303E-13	2.08606E-12	8.13565E-14
186	571110.6	4178119	0.55, 41781	0.57497	0.62965	279.23237	138.16088	41.39356	27.39628	1.35022E-08	9.29E-11	1.36E-08	6.56E-06	2.04E-08	6.58E-06	9.72E-07	6.11E-09	9.78E-07	4.2E-12	1.27E-11	7.33E-12	1.16E-13	2.8E-12	1.54E-13	3.06971E-12	9.711E-07	3.2888E-05	1.63E-05	3.48631E-12	4.07898E-13	2.1417E-12	8.35262E-14
187	571150.6	4178119	0.55, 41781	0.64473	0.65929	273.06399	137.55558	37.77228	27.34359	1.51404E-08	9.73E-11	1.52E-08	6.41E-06	2.03E-08	6.43E-06	8.87E-07	5.57E-09	8.93E-07	4.7E-12	1.42E-11	8.22E-12	1.3E-13	3.14E-12	1.73E-13	3.4406E-12	1.088E-06	3.2164E-05	1.49E-05	3.90753E-12	4.57181E-13	2.40046E-12	9.36179E-14
188	571190.6	4178119	0.55, 41781	0.76806	0.70549	260.36357	120.74038	32.90288	24.49294	1.80366E-08	1.04E-10	1.81E-08	6.11E-06	1.78E-08	6.13E-06	7.73E-07	4.86E-09	7.78E-07	5.6E-12	1.69E-11	9.78E-12	1.55E-13	3.74E-12	2.06E-13	4.09608E-12	1.296E-06	3.066E-05	1.3E-05	4.65197E-12	5.44281E-13	2.85778E-12	1.11454E-13
189	571230.6	4178119	0.55, 41781	0.88147	0.74364	250.38438	100.21062	31.29805	22.32262	2.06998E-08	1.10E-10	2.08E-08	5.88E-06	1.48E-08	5.89E-06	7.35E-07	4.62E-09	7.4E-07	6.42E-12	1.94E-11	1.12E-11	1.77E-13	4.28E-12	2.36E-13	4.6987E-12	1.486E-06	2.9473E-05	1.23E-05	5.33637E-12	6.24356E-13	3.27822E-12	1.27851E-13
190	571270.6	4178119	0.55, 41781	0.94057	0.75526	235.31349	80.57107	29.41419	18.81416	2.20877E-08	1.11E-10	2.22E-08	5.53E-06	1.19E-08	5.54E-06	6.91E-07	4.34E-09	6.95E-07	6.85E-12	2.07E-11	1.2E-11	1.89E-13	4.57E-12	2.52E-13	5.01246E-12	1.586E-06	2.7689E-05	1.16E-05	5.69271E-12	6.66048E-13	3.49713E-12	1.36388E-13
191	571310.6	4178119	0.55, 41781	0.94266	0.74202	211.76846	71.48368	26.47106	15.9259	2.21368E-08	1.09E-10	2.22E-08	4.97E-06	1.05E-08	4.98E-06	6.22E-07	3.91E-09	6.26E-07	6.86E-12	2.07E-11	1.2E-11	1.9E-13	4.58E-12	2.53E-13	5.0231E-12	1.589E-06	2.4918E-05	1.04E-05	5.7048E-12	6.67462E-13	3.50455E-12	1.36677E-13
192	571350.6	4178119	0.55, 41781	0.90909	0.71255	184.59351	57.17412	23.07419	14.42847	2.13484E-08	1.05E-10	2.15E-08	4.33E-06	8.44E-09	4.34E-06	5.42E-07	3.41E-09	5.45E-07	6.62E-12	2E-11	1.16E-11	1.83E-13	4.42E-12	2.44E-13	4.84412E-12	1.532E-06	2.1717E-05	9.09E-06	5.50153E-12	6.43678E-13	3.37968E-12	1.31807E-13
193	571390.6	4178119	0.55, 41781	0.85308	0.67145	182.88204	42.90716	22.86025	12.27464	2.00331E-08	9.91E-11	2.01E-08	4.29E-06	6.33E-09	4.3E-06	5.37E-07	3.37E-09	5.4E-07	6.21E-12	1.88E-11	1.09E-11	1.72E-13	4.15E-12	2.29E-13	4.54576E-12	1.438E-06	2.1505E-05	9E-06	5.16268E-12	6.04033E-13	3.17152E-12	1.23689E-13
194	571430.6	4178119	0.55, 41781	0.78	0.62166	169.0522	41.64549	21.13153	11.39175	1.8317E-08	9.17E-11	1.84E-08	3.97E-06	6.15E-09	3.98E-06	4.96E-07	3.12E-09	4.99E-07	5.68E-12	1.72E-11	9.93E-12	1.57E-13	3.79E-12	2.09E-13	4.1566E-12	1.315E-06	1.988E-05	8.32E-06	4.7207E-12	5.52322E-13	2.9E-12	1.131E-13
195	571470.6	4178119	0.55, 41781	0.69763	0.567	144.82238	43.55007	18.1028	10.0864	1.63827E-08	8.37E-11	1.65E-08	3.4E-06	6.43E-09	3.41E-06	4.25E-07	2.67E-09	4.28E-07	5.08E-12	1.53E-11	8.88E-12	1.4E-13	3.39E-12	1.87E-13	3.71802E-12	1.176E-06	1.7037E-05	7.13E-06	4.2226E-12	4.94044E-13	2.59401E-12	1.01166E-13
196	571510.6	4178119	0.55, 41781	0.61632	0.51188	129.07456	44.20691	16.93315	8.5721	1.44732E-08	7.55E-11	1.45E-08	3.03E-06	6.52E-09	3.04E-06	3.98E-07	2.50E-09	4E-07	4.49E-12	1.36E-11	7.85E-12	1.24E-13	3E-12	1.65E-13	3.28504E-12	1.039E-06	1.5188E-05	6.67E-06	3.73086E-12	4.36511E-13	2.29193E-12	8.93853E-14
197	571550.6	4178119	0.55, 41781	0.53701	0.45659	116.13448	43.6354	16.99831	7.6971	1.26108E-08	6.74E-11	1.27E-08	2.73E-06	6.44E-09	2.73E-06	3.99E-07	2.51E-09	4.02E-07	3.91E-12	1.18E-11	6.84E-12	1.08E-13	2.61E-12	1.44E-13	2.86267E-12	9.056E-07	1.3668E-05	6.69E-06	3.25116E-12	3.80386E-13	1.99724E-12	7.78925E-14
198	571590.6	4178119	0.55, 41781	0.46599	0.40463	103.06511	42.01095	16.60125	6.75955	1.0943E-08	5.97E-11	1.1E-08	2.42E-06	6.20E-09	2.43E-06	3.9E-07	2.45E-09	3.92E-07	3.4E-12	1.03E-11	5.93E-12	9.38E-14	2.27E-12	1.25E-13	2.48436E-12	7.859E-07	1.2133E-05	6.54E-06	2.82151E-12	3.30117E-13	1.7333E-12	6.75988E-14
199	570310.6	4178159	0.55, 41781	0.10452	0.07557	83.14681	27.07322	10.39335	4.47805	2.45448E-09	1.12E-11	2.47E-09	1.95E-06	4.00E-09	1.96E-06	2.44E-07	1.53E-09	2.46E-07	7.61E-13	2.3E-12	1.33E-12	2.1E-14	5.08E-13	2.8E-14	5.56727E-13	1.761E-07	9.7828E-06	4.09E-06	6.32282E-13	7.39769E-14	3.88421E-13	1.51484E-14
200	570350.6	4178159	0.55, 41781	0.1156	0.08446	83.51332	29.37807	10.43917	4.89635	2.71467E-09	1.25E-11	2.73E-09	1.96E-06	4.34E-09	1.97E-06	2.45E-07	1.54E-09	2.47E-07	8.42E-13	2.54E-12	1.47E-12	2.32E-14	5.62E-13	3.1E-14	6.15774E-13	1.948E-07	9.8275E-06	4.11E-06	6.99342E-13	8.1823E-14	4.29617E-13	1.67551E-14
201	570390.6	4178159	0.55, 41781	0.12828	0.09489	85.72091	31.44775	10.71511	5.24129	3.01244E-09	1.40E-11	3.03E-09	2.01E-06	4.64E-09	2.02E-06	2.52E-07	1.58E-09	2.53E-07	9.34E-13	2.82E-12	1.63E-12	2.58E-14	6.23E-13	3.44E-14	6.83356E-13	2.162E-07	1.0088E-05	4.22E-06	7.76096E-13	9.08032E-14	4.76768E-13	1.8594E-14
202	570430.6	4178159	0.55, 41781	0.14269	0.1072	94.53138	33.159	11.81642	5.5265	3.35083E-09	1.58E-11	3.37E-09	2.22E-06	4.89E-09	2.22E-06	2.77E-07	1.74E-09	2.79E-07	1.04E-12	3.14E-12	1.82E-12	2.87E-14	6.93E-13	3.82E-14	7.60174E-13	2.405E-07	1.1124E-05	4.65E-06	8.63339E-13	1.01011E-13	5.30363E-13	2.06842E-14
203	570470.6	4178159	0.55, 41781	0.15906	0.12183	91.68652	34.69147	11.46082	5.78191	3.73526E-09	1.80E-11	3.75E-09	2.15E-06	5.12E-09	2.16E-06	2.69E-07	1.69E-09	2.71E-07	1.16E-12	3.5E-12	2.02E-12	3.2E-14	7.73E-13	4.26E-14	8.47462E-13	2.681E-07	1.0791E-05	4.51E-06	9.62473E-13	1.12609E-13	5.91263E-13	2.30593E-14
204	570510.6	4178159	0.55, 41781	0.17738	0.13933	103.8828	36.49731	12.98535	6.04456	4.16547E-09	2.06E-11	4.19E-09	2.44E-06	5.39E-09	2.44E-06	3.05E-07	1.92E-09	3.07E-07	1.29E-12	3.9E-12	2.26E-12	3.57E-14	8.62E-13	4.76E-14	9.45186E-13	2.99E-07	1.2224E-05	5.11E-06	1.07346E-12	1.25595E-13	6.59443E-13	2.57183E-14
205	570550.6	4178159	0.55, 41781	0.19733	0.16029	106.21161	38.46337	13.27645	6.62676	4.63396E-09	2.37E-11	4.66E-09	2.49E-06	5.68E-09	2.5E-06	3.12E-07	1.96E-09	3.14E-07	1.44E-12	4.34E-12	2.51E-12	3.97E-14	9.59E-13	5.29E-14	1.05167E-12	3.327E-07	1.2499E-05	5.23E-06	1.19439E-12	1.39744E-13	7.33734E-13	2.86156E-14
206	570590.6	4178159	0.55, 41781	0.21794	0.18524	115.65264	40.48441	14.45658	7.37316	5.11795E-09	2.73E-11	5.15E-09	2.72E-06	5.97E-09	2.72E-06	3.39E-07	2.13E-09	3.42E-07	1.59E-12	4.79E-12	2.78E-12	4.39E-14	1.06E-12	5.84E-14	1.16178E-12	3.675E-07	1.3609E-05	5.69E-06	1.31945E-12	1.54376E-13	8.10559E-13	3.16118E-14
207	570630.6	4178159	0.55, 41781	0.23707	0.21436	118.44365	42.79741	14.80546	8.08317	5.56719E-09	3.16E-11	5.6E-09	2.78E-06	6.32E-09	2.79E-06	3.48E-07	2.18E-09	3.5E-07	1.73E-12	5.22E-12	3.02E-12	4.77E-14	1.15E-12	6.36E-14	1.26419E-12	3.999E-07	1.3939E-05	5.83E-06	1.43575E-12	1.67983E-13	8.82006E-13	3.43982E-14
208	570670.6	4178159	0.55, 41781	0.25383	0.24795	124.95922	45.84094	15.6199	8.90031	5.96077E-09	3.66E-11	6E-09	2.93E-06	6.76E-09	2.94E-06	3.67E-07	2.30E-09	3.69E-07	1.85E-12	5.59E-12	3.23E-12	5.11E-14	1.23E-12	6.81E-14	1.35418E-12	4.284E-07	1.4706E-05	6.15E-06	1.53795E-12	1.79941E-13	9.4479E-13	3.68468E-14
209	570710.6	4178159	0.55, 41781	0.27135	0.28697	131.25248	49.29697	17.47805	10.6966	6.3722E-09	4.23E-11	6.41E-09	3.08E-06	7.27E-09	3.09E-06	4.1E-07	2.58E-09	4.13E-07	1.98E-12	5.98E-12	3.46E-12	5.47E-14	1.32E-12	7.29E-14	1.44837E-12	4.582E-07	1.5448E-05	6.88E-06	1.64494E-12	1.92457E-13	1.01051E-12	3.94099E-14
210	570750.6	4178159	0.55, 41781	0.29528	0.33222	146.48828	52.90094	21.86848	12.23914	6.93415E-09	4.90E-11	6.98E-09	3.44E-06	7.81E-09	3.45E-06	5.14E-07	3.23E-09	5.17E-07	2.15E-12	6.51E-12	3.77E-12	5.95E-14	1.44E-12	7.93E-14	1.57677E-12	4.988E-07	1.7239E-05	8.61E-06	1.79075E-12	2.09518E-13	1.10009E-12	4.29035E-14
211	570790.6	4178159	0.55, 41781	0.33253	0.38536	168.4296	63.37031	22.18934	13.75991	7.80891E-09	5.69E-11	7.87E-09	3.96E-06	9.35E-09	3.96E-06	5.21E-07	3.27E-09	5.24E-07	2.43E-12	7.33E-12	4.24E-12	6.71E-14	1.62E-12	8.93E-14	1.77605E-12	5.618E-07	1.9823E-05	8.74E-06	2.01709E-12	2.35999E-13	1.23913E-12	4.8326E-14
212	570830.6	4178159	0.55, 41781	0.39122	0.44987	226.40986	70.88867	28.30123	15.58224	9.18714E-09	6.64E-11	9.25E-09	5.32E-06	1.05E-08	5.33E-06	6.65E-07	4.18E-09	6.69E-07	2.86E-12	8.62E-12	4.99E-12	7.89E-14	1.91E-12	1.05E-13	2.0894E-12	6.61E-07	2.6637E-05	1.11E-05	2.37296E-12	2.77636E-13	1.45775E-12	5.68522E-14
213	570870.6	4178159	0.55, 41781	0.48272	0.53035	262.06298	76.1106	32.75787	17.58972	1.13359E-08	7.83E-11	1.14E-08	6.15E-06	1.12E-08	6.17E-06	7.69E-07	4.83E-09	7.74E-07	3.52E-12	1.06E-11	6.16E-12	9.73E-14	2.35E-12	1.3E-13	2.57726E-12	8.153E-07	3.0827E-05	1.29E-05	2.92702E-12	3.42461E-13	1.79812E-12	7.01265E-14
214	570910.6	4178159	0.55, 41781	0.61652	0.63133	261.24493	84.17228	32.65562	20.33398	1.44779E-08	9.32E-11	1.46E-08	6.13E-06	1.24E-08	6.15E-06	7.67E-07	4.82E-09	7.72E-07	4.5E-12	1.36E-11	7.86E-12	1.24E-13	3E-12	1.66E-13	3.29008E-12	1.041E-06	3.0737E-05	1.29E-05	3.73659E-12	4.37181E-13	2.29545E-12	8.95224E-14
215	570950.6	4178159	0.55, 41781	0.78722	0.75662	286.12528	93.97029	38.09436	25.30252	1.84865E-08	1.12E-10	1.86E-08	6.72E-06	1.39E-08	6.73E-06	8.95E-07	5.62E-09	9E-07	5.74E-12	1.73E-11	1E-11	1.59E-13	3.83E-12	2.11E-13	4.19938E-12	1.328E-06	3.3665E-05	1.5E-05	4.76929E-12	5.58007E-13	2.92985E-12	1.14264E-13
216	570990.6	4178159	0.55, 41781	0.95557	0.89576	303.7283	113.02353	49.39935	30.83627	2.244E-08	1.32E-10	2.26E-08	7.13E-06	1.67E-08	7.15E-06	1.16E-06	7.29E-09	1.17E-06	6.97E-12	2.1E-11	1.22E-11	1.92E-13	4.65E-12	2.56E-13	5.09668E-12	1.612E-06	3.5746E-05	1.95E-05	5.78836E-12	6.77238E-13	3.55588E-12	1.3868E-13
217	571030.6	4178159	0.55, 41781	1.0701	1.00768	365.27865	135.92516	63.89384	29.33742	2.51295E-08	1.49E-10	2.53E-08	8.58E-06	2.01E-08	8.6E-06	1.5E-06	9.43E-09	1.51E-06	7.8E-12	2.36E-11	1.36E-11	2.15E-13	5.21E-12	2.87E-13	5.7077E-12	1.806E-06	4.299E-05	2.52E-05	6.4823E-12	7.58429E-13	3.98218E-12	1.55305E-13
218	571070.6	4178159	0.55, 41781	1.06935	1.07923	382.13438	155.20031	54.74849	37.25068	2.51119E-08	1.59E-10	2.53E-08	8.97E-06	2.29E-08	9E-06	1.29E-06	8.08E-09	1.29E-06	7.8E-12	2.35E-11	1.36E-11	2.15E-13	5.2E-12	2.87E-13	5.7061E-12	1.805E-06	4.4983E-05	2.16E-05	6.48049E-12	7.58217E-13	3.98107E-12	1.55262E-13
219	571110.6	4178159	0.55, 41781	1.19831	1.16386	373.85472	174.62021	53.40782	39.37776	2.81403E-08	1.72E-10	2.83E-08	8.78E-06	2.58E-08	8.81E-06	1.25E-06	7.88E-09	1.26E-06	8.74E-12	2.64E-11	1.53E-11	2.41E-13	5.83E-12	3.22E-13	6.39272E-12	2.022E-06	4.4026E-05	2.1E-05	7.26029E-12	8.49454E-13	4.46012E-12	1.73945E-13
220	571150.6	4178159	0.55, 41781	1.53671	1.26322	331.2731	149.81574	50.26616	34.67292	3.6087E-08	1.86E-10	3.63E-08	7.78E-06	2.21E-08	7.8E-06	1.18E-06	7.42E-09	1.19E-06	1.12E-11	3.38E-11	1.96E-11	3.09E-13	7.47E-12	4.12E-13	8.19037E-12	2.591E-06	3.9007E-05	1.98E-05	9.30191E-12	1.08832E-12	5.71431E-12	2.22858E-13
221	571190.6	4178159	0.55, 41781	1.71324	1.27647	303.51531	125.05743	43.45807	29.97586	4.02326E-08	1.88E-10	4.04E-08	7.13E-06	1.85E-08	7.15E-06	1.02E-06	6.41E-09	1.03E-06	1.25E-11	3.77E-11	2.18E-11	3.45E-13	8.32E-12	4.59E-13	9.12685E-12	2.887E-06	3.573E-05	1.71E-05	1.03655E-11	1.21276E-12	6.36768E-12	2.4834E-13
222	571230.6	4178159	0.55, 41781	1.67997	1.21931	277.00255	96.22407	36.53844	24.95569	3.94513E-08	1.80E-10	3.96E-08	6.5E-06	1.42E-08	6.52E-06	8.58E-07	5.39E-09	8.63E-07	1.22E-11	3.69E-11	2.14E-11	3.38E-13	8.16E-12	4.5E-13	8.94854E-12	2.831E-06	3.2596E-05	1.44E-05	1.0163E-11	1.18907E-12	6.24327E-12	2.43488E-13
223	571270.6	4178159	0.55, 41781	1.56347	1.13234	251.98402	83.18585	31.498	20.71301	3.67155E-08	1.67E-10	3.69E-08	5.92E-06	1.23E-08	5.93E-06	7.4E-07	4.65E-09	7.44E-07	1.14E-11	3.44E-11	1.99E-11	3.14E-13	7.59E-12	4.19E-13	8.32791E-12	2.634E-06	2.9648E-05	1.24E-05	9.4581E-12	1.1066E-12	5.81027E-12	2.266E-13
224	571310.6	4178159	0.55, 41781	1.42012	1.03692	223.09845	65.85457	27.88731	18.21453	3.33491E-08	1.53E-10	3.35E-08	5.24E-06	9.72E-09	5.25E-06	6.55E-07	4.12E-09	6.59E-07	1.03E-11	3.12E-11	1.81E-11	2.86E-13	6.9E-12	3.81E-13	7.56462E-12	2.393E-06	2.6244E-05	1.1E-05	8.59123E-12	1.00517E-12	5.27773E-12	2.05832E-13
225	571350.6	4178159	0.55, 41781	1.26306	0.93714	212.7442	53.05659	26.59303	15.01468	2.96608E-08	1.38E-10	2.98E-08	5E-06	7.83E-09	5E-06	6.24E-07	3.92E-09	6.28E-07	9.2E-12	2.78E-11	1.61E-11	2.54E-13	6.14E-12	3.38E-13	6.7285E-12	2.129E-06	2.5019E-05	1.05E-05	7.64164E-12	8.94072E-13	4.69438E-12	1.83081E-13
226	571390.6	4178159	0.55, 41781	1.10199	0.83709	185.92823	54.01949	23.24103	13.29114	2.58784E-08	1.24E-10	2.6E-08	4.37E-06	7.97E-09	4.37E-06	5.46E-07	3.43E-09	5.49E-07	8.02E-12	2.42E-11	1.4E-11	2.22E-13	5.35E-12	2.95E-13	5.87111E-12	1.857E-06	2.1871E-05	9.15E-06	6.66789E-12	7.80143E-13	4.09619E-12	1.59751E-13
227	571430.6	4178159	0.55, 41781	0.9418	0.73869	159.26436	53.60229	21.61583	11.2268	2.21166E-08	1.09E-10	2.22E-08	3.74E-06	7.91E-09	3.75E-06	5.08E-07	3.19E-09	5.11E-07	6.86E-12	2.07E-11	1.2E-11	1.89E-13	4.58E-12	2.52E-13	5.01843E-12	1.588E-06	1.874E-05	8.51E-06	5.69949E-12	6.66841E-13	3.50129E-12	1.3655E-13
228	571470.6	4178159	0.55, 41781	0.79447	0.64516	139.92539	51.85557	21.06215	9.90602	1.86568E-08	9.52E-11	1.88E-08	3.29E-06	7.65E-09	3.29E-06	4.95E-07	3.11E-09	4.98E-07	5.79E-12	1.75E-11	1.01E-11	1.6E-13	3.86E-12	2.13E-13	4.23411E-12	1.339E-06	1.6468E-05	8.3E-06	4.80873E-12	5.62622E-13	2.95408E-12	1.15209E-13
229	571510.6	4178159	0.55, 41781	0.67282	0.56206	120.25585	49.92459	19.96311	8.50885	1.58E-08	8.29E-11	1.59E-08	2.82E-06	7.37E-09	2.83E-06	4.69E-07	2.95E-09	4.72E-07	4.9E-12	1.48E-11	8.57E-12	1.35E-13	3.27E-12	1.8E-13	3.5863E-12	1.134E-06	1.4157E-05	7.86E-06	4.07301E-12	4.76542E-13	2.50211E-12	9.75825E-14
230	571550.6	4178159	0.55, 41781	0.57423	0.48972	110.64777	47.57404	18.4413	7.31081	1.34848E-08	7.23E-11	1.36E-08	2.6E-06	7.02E-09	2.61E-06	4.33E-07	2.72E-09	4.36E-07	4.18E-12	1.26E-11	7.31E-12	1.16E-13	2.79E-12	1.54E-13	3.06113E-12	9.684E-07	1.3027E-05	7.26E-06	3.47656E-12	4.06757E-13	2.13571E-12	8.32925E-14
231	571590.6	4178159	0.55, 41781	0.49292	0.42713	100.4908	44.5532	16.74847	6.44552	1.15754E-08	6.30E-11	1.16E-08	2.36E-06	6.57E-09	2.37E-06	3.93E-07	2.47E-09	3.96E-07	3.59E-12	1.08E-11	6.28E-12	9.92E-14	2.4E-12	1.32E-13	2.6279E-12	8.313E-07	1.1832E-05	6.6E-06	2.98454E-12	3.49191E-13	1.83345E-12	7.15046E-14
232	570310.6	4178199	0.55, 41781	0.10691	0.07648	81.28791	24.55019	10.16099	3.94128	2.5106E-09	1.13E-11	2.52E-09	1.91E-06	3.62E-09	1.91E-06	2.39E-07	1.50E-09	2.4E-07	7.78E-13	2.35E-12	1.36E-12	2.15E-14	5.19E-13	2.86E-14	5.6943E-13	1.801E-07	9.5627E-06	4E-06	6.46709E-13	7.56649E-14	3.97284E-13	1.54941E-14
233	570350.6	4178199	0.55, 41781	0.11881	0.08587	92.41038	27.80697	11.5513	4.55912	2.79005E-09	1.27E-11	2.8E-09	2.17E-06	4.10E-09	2.17E-06	2.71E-07	1.70E-09	2.73E-07	8.65E-13	2.61E-12	1.51E-12	2.39E-14	5.77E-13	3.18E-14	6.32842E-13	2.002E-07	1.0871E-05	4.55E-06	7.18726E-13	8.40909E-14	4.41525E-13	1.72195E-14
234	570390.6	4178199	0.55, 41781	0.13286	0.09703	98.9418	30.67703	12.36772	5.11284	3.11999E-09	1.43E-11	3.13E-09	2.32E-06	4.53E-09	2.33E-06	2.9E-07	1.83E-09	2.92E-07	9.67E-13	2.92E-12	1.69E-12	2.67E-14	6.45E-13	3.56E-14	7.07713E-13	2.239E-07	1.164E-05	4.87E-06	8.03758E-13	9.40397E-14	4.93761E-13	1.92567E-14
235	570430.6	4178199	0.55, 41781	0.14935	0.11037	98.24021	33.47488	12.28003	5.57915	3.50723E-09	1.63E-11	3.52E-09	2.31E-06	4.94E-09	2.31E-06	2.88E-07	1.81E-09	2.9E-07	1.09E-12	3.28E-12	1.9E-12	3E-14	7.26E-13	4E-14	7.95594E-13	2.517E-07	1.156E-05	4.84E-06	9.03566E-13	1.05717E-13	5.55075E-13	2.16479E-14
236	570470.6	4178199	0.55, 41781	0.1686	0.12646	107.25905	35.76824	13.40738	5.96137	3.95929E-09	1.87E-11	3.98E-09	2.52E-06	5.28E-09	2.52E-06	3.15E-07	1.98E-09	3.17E-07	1.23E-12	3.71E-12	2.15E-12	3.39E-14	8.19E-13	4.52E-14	8.98202E-13	2.841E-07	1.262E-05	5.28E-06	1.0201E-12	1.19352E-13	6.26663E-13	2.44399E-14
237	570510.6	4178199	0.55, 41781	0.19081	0.14598	111.923	37.71142	13.99038	6.28524	4.48085E-09	2.15E-11	4.5E-09	2.63E-06	5.56E-09	2.63E-06	3.29E-07	2.06E-09	3.31E-07	1.39E-12	4.19E-12	2.43E-12	3.84E-14	9.27E-13	5.11E-14	1.01662E-12	3.216E-07	1.3169E-05	5.51E-06	1.15459E-12	1.35087E-13	7.09281E-13	2.7662E-14
238	570550.6	4178199	0.55, 41781	0.21602	0.16987	119.57772	40.00549	14.94721	6.67621	5.07287E-09	2.51E-11	5.1E-09	2.81E-06	5.90E-09	2.81E-06	3.51E-07	2.21E-09	3.53E-07	1.57E-12	4.75E-12	2.75E-12	4.35E-14	1.05E-12	5.79E-14	1.15109E-12	3.641E-07	1.407E-05	5.89E-06	1.30731E-12	1.52955E-13	8.03099E-13	3.13209E-14
239	570590.6	4178199	0.55, 41781	0.24388	0.19917	124.08345	42.52786	15.51043	7.78928	5.72711E-09	2.94E-11	5.76E-09	2.91E-06	6.28E-09	2.92E-06	3.64E-07	2.29E-09	3.67E-07	1.78E-12	5.36E-12	3.1E-12	4.91E-14	1.19E-12	6.54E-14	1.29979E-12	4.112E-07	1.4601E-05	6.11E-06	1.47619E-12	1.72714E-13	9.06846E-13	3.5367E-14
240	570630.6	4178199	0.55, 41781	0.27242	0.23473	135.79301	45.13025	16.97413	8.73982	6.39733E-09	3.46E-11	6.43E-09	3.19E-06	6.66E-09	3.2E-06	3.99E-07	2.50E-09	4.01E-07	1.98E-12	5.99E-12	3.47E-12	5.48E-14	1.32E-12	7.31E-14	1.45231E-12	4.594E-07	1.5978E-05	6.69E-06	1.6494E-12	1.9298E-13	1.01325E-12	3.95169E-14
241	570670.6	4178199	0.55, 41781	0.29828	0.27729	136.89517	48.04336	17.44831	9.65486	7.0046E-09	4.09E-11	7.05E-09	3.21E-06	7.09E-09	3.22E-06	4.1E-07	2.57E-09	4.12E-07	2.17E-12	6.56E-12	3.8E-12	6.01E-14	1.45E-12	8E-14	1.59085E-12	5.033E-07	1.6109E-05	6.87E-06	1.80674E-12	2.11389E-13	1.10991E-12	4.32865E-14
242	570710.6	4178199	0.55, 41781	0.321	0.32818	151.98197	52.23375	19.68934	11.4382	7.53814E-09	4.84E-11	7.59E-09	3.57E-06	7.71E-09	3.58E-06	4.62E-07	2.91E-09	4.65E-07	2.34E-12	7.07E-12	4.09E-12	6.47E-14	1.56E-12	8.62E-14	1.71301E-12	5.419E-07	1.7884E-05	7.75E-06	1.94549E-12	2.27622E-13	1.19515E-12	4.66107E-14
243	570750.6	4178199	0.55, 41781	0.34558	0.38955	144.14265	57.26085	22.53194	13.53855	8.11536E-09	5.75E-11	8.17E-09	3.38E-06	8.45E-09	3.39E-06	5.29E-07	3.32E-09	5.32E-07	2.52E-12	7.61E-12	4.41E-12	6.97E-14	1.68E-12	9.28E-14	1.84539E-12	5.838E-07	1.6967E-05	8.87E-06	2.09583E-12	2.45212E-13	1.2875E-12	5.02126E-14
244	570790.6	4178199	0.55, 41781	0.38143	0.46429	173.32889	66.95506	25.57778	15.36352	8.95724E-09	6.85E-11	9.03E-09	4.07E-06	9.88E-09	4.08E-06	6.01E-07	3.77E-09	6.04E-07	2.79E-12	8.41E-12	4.87E-12	7.69E-14	1.86E-12	1.03E-13	2.03797E-12	6.447E-07	2.0401E-05	1.01E-05	2.31455E-12	2.70802E-13	1.42187E-12	5.54528E-14
245	570830.6	4178199	0.55, 41781	0.44289	0.55991	200.31972	78.9407	28.47462	17.66262	1.04005E-08	8.26E-11	1.05E-08	4.7E-06	1.16E-08	4.72E-06	6.69E-07	4.20E-09	6.73E-07	3.23E-12	9.77E-12	5.65E-12	8.94E-14	2.16E-12	1.19E-13	2.36705E-12	7.488E-07	2.3579E-05	1.12E-05	2.68828E-12	3.14529E-13	1.65146E-12	6.44068E-14
246	570870.6	4178199	0.55, 41781	0.55133	0.6879	245.75399	83.68372	34.28137	20.83884	1.29471E-08	1.02E-10	1.3E-08	5.77E-06	1.23E-08	5.78E-06	8.05E-07	5.06E-09	8.1E-07	4.03E-12	1.22E-11	7.04E-12	1.11E-13	2.69E-12	1.48E-13	2.9463E-12	9.32E-07	2.8917E-05	1.35E-05	3.34615E-12	3.915E-13	2.0556E-12	8.01683E-14
247	570910.6	4178199	0.55, 41781	0.74216	0.86472	353.61381	98.21675	44.20173	24.01316	1.74284E-08	1.28E-10	1.76E-08	8.3E-06	1.45E-08	8.32E-06	1.04E-06	6.52E-09	1.04E-06	5.42E-12	1.64E-11	9.47E-12	1.5E-13	3.61E-12	1.99E-13	3.96406E-12	1.254E-06	4.1593E-05	1.74E-05	4.50203E-12	5.26737E-13	2.76567E-12	1.07861E-13
248	570950.6	4178199	0.55, 41781	1.08517	1.1274	376.11466	111.85514	52.74149	29.33795	2.54834E-08	1.66E-10	2.56E-08	8.83E-06	1.65E-08	8.85E-06	1.24E-06	7.78E-09	1.25E-06	7.92E-12	2.39E-11	1.38E-11	2.19E-13	5.28E-12	2.91E-13	5.79159E-12	1.832E-06	4.4245E-05	2.08E-05	6.57758E-12	7.69577E-13	4.04072E-12	1.57588E-13
249	570990.6	4178199	0.55, 41781	1.58976	1.56693	410.19015	135.68135	68.60008	44.06737	3.73328E-08	2.31E-10	3.76E-08	9.63E-06	2.00E-08	9.65E-06	1.61E-06	1.01E-08	1.62E-06	1.16E-11	3.5E-11	2.03E-11	3.2E-13	7.73E-12	4.27E-13	8.48179E-12	2.683E-06	4.8263E-05	2.7E-05	9.63287E-12	1.12705E-12	5.91763E-12	2.30787E-13
250	571030.6	4178199	0.55, 41781	2.42958	2.27373	561.74649	191.25505	107.05418	55.40677	5.70546E-08	3.36E-10	5.74E-08	1.32E-05	2.82E-08	1.32E-05	2.51E-06	1.58E-08	2.53E-06	1.77E-11	5.35E-11	3.1E-11	4.89E-13	1.18E-11	6.52E-13	1.29584E-11	4.099E-06	6.6099E-05	4.22E-05	1.4717E-11	1.72189E-12	9.04091E-12	3.52595E-13
251	571070.6	4178199	0.55, 41781	3.58306	3.18041	721.18769	259.71405	139.44796	73.67892	8.41421E-08	4.69E-10	8.46E-08	1.69E-05	3.83E-08	1.7E-05	3.27E-06	2.06E-08	3.3E-06	2.61E-11	7.88E-11	4.56E-11	7.21E-13	1.74E-11	9.61E-13	1.91049E-11	6.044E-06	8.4871E-05	5.49E-05	2.16976E-11	2.53862E-12	1.33292E-11	5.19839E-13
252	571110.6	4178199	0.55, 41781	5.26167	3.22788	536.30163	206.72583	116.57539	57.94295	1.23561E-07	4.76E-10	1.24E-07	1.26E-05	3.05E-08	1.26E-05	2.74E-06	1.72E-08	2.75E-06	3.83E-11	1.16E-10	6.69E-11	1.06E-12	2.55E-11	1.41E-12	2.80071E-11	8.86E-06	6.3123E-05	4.59E-05	3.1808E-11	3.72154E-12	1.95402E-11	7.62068E-13
253	571150.6	4178199	0.55, 41781	4.55265	2.7214	406.82024	165.14744	75.27018	43.84452	1.06911E-07	4.02E-10	1.07E-07	9.55E-06	2.44E-08	9.58E-06	1.77E-06	1.11E-08	1.78E-06	3.31E-11	1E-10	5.79E-11	9.15E-13	2.21E-11	1.22E-12	2.42307E-11	7.665E-06	4.7889E-05	2.96E-05	2.75191E-11	3.21974E-12	1.69055E-11	6.59313E-13
254	571190.6	4178199	0.55, 41781	3.6655	2.27193	348.88414	129.45816	55.11772	35.12171	8.60781E-08	3.35E-10	8.64E-08	8.19E-06	1.91E-08	8.21E-06	1.29E-06	8.13E-09	1.3E-06	2.67E-11	8.05E-11	4.66E-11	7.37E-13	1.78E-11	9.82E-13	1.95117E-11	6.172E-06	4.106E-05	2.17E-05	2.21597E-11	2.59268E-12	1.36131E-11	5.30909E-13

255	571230.6	4178199	0.55, 41781	2.99647	1.91661	311.11499	100.77545	44.29874	28.05958	7.03671E-08	2.83E-10	7.06E-08	7.31E-06	1.49E-08	7.32E-06	1.04E-06	6.54E-09	1.05E-06	2.18E-11	6.58E-11	3.81E-11	6.02E-13	1.45E-11	8.03E-13	1.59524E-11	5.046E-06	3.6604E-05	1.74E-05	1.81173E-11	2.11973E-12	1.11298E-11	4.34061E-13
256	571270.6	4178199	0.55, 41781	2.48655	1.63354	275.28639	78.6156	36.03295	23.70769	5.83924E-08	2.41E-10	5.86E-08	6.46E-06	1.16E-08	6.48E-06	8.46E-07	5.32E-09	8.51E-07	1.81E-11	5.46E-11	3.16E-11	5E-13	1.21E-11	6.66E-13	1.32392E-11	4.188E-06	3.2381E-05	1.42E-05	1.50359E-11	1.7592E-12	9.23678E-12	3.60235E-13
257	571310.6	4178199	0.55, 41781	2.04979	1.39182	251.65063	69.80646	31.45633	18.505	4.81359E-08	2.05E-10	4.83E-08	5.91E-06	1.03E-08	5.92E-06	7.39E-07	4.64E-09	7.43E-07	1.49E-11	4.5E-11	2.61E-11	4.12E-13	9.95E-12	5.49E-13	1.09152E-11	3.453E-06	2.9599E-05	1.24E-05	1.23966E-11	1.4504E-12	7.6154E-12	2.97001E-13
258	571350.6	4178199	0.55, 41781	1.66907	1.18291	207.71058	67.17721	28.41822	15.5683	3.91953E-08	1.75E-10	3.94E-08	4.88E-06	9.91E-09	4.89E-06	6.67E-07	4.19E-09	6.72E-07	1.21E-11	3.67E-11	2.12E-11	3.36E-13	8.11E-12	4.47E-13	8.88953E-12	2.812E-06	2.4438E-05	1.12E-05	1.00959E-11	1.18123E-12	6.2021E-12	2.41882E-13
259	571390.6	4178199	0.55, 41781	1.33874	0.99933	175.53523	63.93291	26.80029	13.20173	3.14381E-08	1.47E-10	3.16E-08	4.12E-06	9.43E-09	4.13E-06	6.29E-07	3.95E-09	6.33E-07	9.75E-12	2.94E-11	1.7E-11	2.69E-13	6.5E-12	3.59E-13	7.13186E-12	2.256E-06	2.0658E-05	1.06E-05	8.09974E-12	9.4767E-13	4.9758E-12	1.94056E-13
260	571430.6	4178199	0.55, 41781	1.08215	0.84466	146.49279	60.30749	24.41546	11.02968	2.54125E-08	1.25E-10	2.55E-08	3.44E-06	8.90E-09	3.45E-06	5.73E-07	3.60E-09	5.77E-07	7.88E-12	2.38E-11	1.38E-11	2.18E-13	5.26E-12	2.9E-13	5.76616E-12	1.824E-06	1.7245E-05	9.62E-06	6.5487E-12	7.66197E-13	4.02297E-12	1.56896E-13
261	571470.6	4178199	0.55, 41781	0.88511	0.71494	129.54701	55.96987	21.59117	9.33698	2.07853E-08	1.06E-10	2.09E-08	3.04E-06	8.26E-09	3.05E-06	5.07E-07	3.19E-09	5.1E-07	6.45E-12	1.95E-11	1.13E-11	1.78E-13	4.3E-12	2.37E-13	4.71705E-12	1.492E-06	1.5252E-05	8.5E-06	5.35721E-12	6.26793E-13	3.29102E-12	1.2835E-13
262	571510.6	4178199	0.55, 41781	0.73336	0.60746	112.64977	51.14316	18.77496	8.40942	1.72217E-08	8.96E-11	1.73E-08	2.65E-06	7.55E-09	2.65E-06	4.41E-07	2.77E-09	4.44E-07	5.34E-12	1.61E-11	9.34E-12	1.48E-13	3.56E-12	1.97E-13	3.90882E-12	1.237E-06	1.3265E-05	7.39E-06	4.4393E-12	5.19398E-13	2.72713E-12	1.06358E-13
263	571550.6	4178199	0.55, 41781	0.6189	0.52125	97.68282	46.08498	16.28047	7.59304	1.45338E-08	7.69E-11	1.46E-08	2.29E-06	6.80E-09	2.3E-06	3.82E-07	2.40E-09	3.85E-07	4.51E-12	1.36E-11	7.88E-12	1.25E-13	3.01E-12	1.66E-13	3.29904E-12	1.044E-06	1.1504E-05	6.41E-06	3.74676E-12	4.3837E-13	2.30169E-12	8.9766E-14
264	571590.6	4178199	0.55, 41781	0.52714	0.45016	84.87826	41.93857	14.14638	6.8553	1.2379E-08	6.64E-11	1.24E-08	1.99E-06	6.19E-09	2E-06	3.32E-07	2.09E-09	3.34E-07	3.84E-12	1.16E-11	6.71E-12	1.06E-13	2.56E-12	1.41E-13	2.81012E-12	8.89E-07	9.9971E-06	5.57E-06	3.19148E-12	3.73404E-13	1.96058E-12	7.64626E-14
265	570310.6	4178239	0.55, 41782	0.10871	0.07725	69.36135	22.19632	9.49069	3.20395	2.55287E-09	1.14E-11	2.56E-09	1.63E-06	3.28E-09	1.63E-06	2.23E-07	1.40E-09	2.24E-07	7.91E-13	2.39E-12	1.38E-12	2.19E-14	5.28E-13	2.91E-14	5.79E-13	1.832E-07	8.1605E-06	3.74E-06	6.57577E-13	7.69366E-14	4.0396E-13	1.57545E-14
266	570350.6	4178239	0.55, 41782	0.12097	0.08699	80.24676	23.95533	10.03084	3.79637	2.84078E-09	1.28E-11	2.85E-09	1.88E-06	3.54E-09	1.89E-06	2.36E-07	1.48E-09	2.37E-07	8.81E-13	2.66E-12	1.54E-12	2.43E-14	5.88E-13	3.24E-14	6.44332E-13	2.038E-07	9.44E-06	3.95E-06	7.31776E-13	8.56178E-14	4.49542E-13	1.75321E-14
267	570390.6	4178239	0.55, 41782	0.13576	0.09875	97.68381	28.15369	12.21048	4.56788	3.1881E-09	1.46E-11	3.2E-09	2.29E-06	4.15E-09	2.3E-06	2.87E-07	1.80E-09	2.89E-07	9.88E-13	2.98E-12	1.73E-12	2.73E-14	6.59E-13	3.64E-14	7.23147E-13	2.288E-07	1.149E-05	4.81E-06	8.21287E-13	9.60906E-14	5.0453E-13	1.96767E-14
268	570430.6	4178239	0.55, 41782	0.15369	0.11303	112.57412	32.01468	14.07177	5.30028	3.60915E-09	1.67E-11	3.63E-09	2.64E-06	4.72E-09	2.65E-06	3.3E-07	2.08E-09	3.33E-07	1.12E-12	3.38E-12	1.96E-12	3.09E-14	7.47E-13	4.12E-14	8.18695E-13	2.59E-07	1.3242E-05	5.54E-06	9.29802E-13	1.08787E-13	5.71192E-13	2.22765E-14
269	570470.6	4178239	0.55, 41782	0.17542	0.1305	120.86213	35.6675	15.10777	5.94458	4.11944E-09	1.93E-11	4.14E-09	2.84E-06	5.26E-09	2.84E-06	3.55E-07	2.23E-09	3.57E-07	1.28E-12	3.86E-12	2.23E-12	3.53E-14	8.52E-13	4.7E-14	9.34499E-13	2.956E-07	1.4218E-05	5.95E-06	1.06132E-12	1.24175E-13	6.51987E-13	2.54275E-14
270	570510.6	4178239	0.55, 41782	0.20166	0.15208	118.29832	38.86505	14.78729	6.47751	4.73565E-09	2.24E-11	4.76E-09	2.78E-06	5.74E-09	2.78E-06	3.47E-07	2.18E-09	3.49E-07	1.47E-12	4.43E-12	2.57E-12	4.06E-14	9.8E-13	5.4E-14	1.07435E-12	3.399E-07	1.3919E-05	5.82E-06	1.22016E-12	1.42758E-13	7.49562E-13	2.92329E-14
271	570550.6	4178239	0.55, 41782	0.23297	0.17899	134.82021	41.51275	16.85253	6.91879	5.47091E-09	2.64E-11	5.5E-09	3.17E-06	6.13E-09	3.17E-06	3.96E-07	2.49E-09	3.98E-07	1.7E-12	5.12E-12	2.97E-12	4.69E-14	1.13E-12	6.24E-14	1.24127E-12	3.927E-07	1.5861E-05	6.64E-06	1.40972E-12	1.64938E-13	8.66016E-13	3.37746E-14
272	570590.6	4178239	0.55, 41782	0.26933	0.21289	138.182	44.61865	17.27275	7.89914	6.32476E-09	3.14E-11	6.36E-09	3.24E-06	6.58E-09	3.25E-06	4.06E-07	2.55E-09	4.08E-07	1.96E-12	5.92E-12	3.43E-12	5.42E-14	1.31E-12	7.22E-14	1.43519E-12	4.54E-07	1.6258E-05	6.8E-06	1.62997E-12	1.90706E-13	1.00132E-12	3.90513E-14
273	570630.6	4178239	0.55, 41782	0.31001	0.25571	151.57706	47.88426	18.94713	9.37801	7.28006E-09	3.77E-11	7.32E-09	3.56E-06	7.07E-09	3.57E-06	4.45E-07	2.80E-09	4.48E-07	2.26E-12	6.82E-12	3.95E-12	6.24E-14	1.51E-12	8.31E-14	1.65232E-12	5.227E-07	1.7833E-05	7.46E-06	1.87656E-12	2.19558E-13	1.1528E-12	4.49593E-14
274	570670.6	4178239	0.55, 41782	0.35129	0.30919	163.01094	51.1286	20.37637	10.66356	8.24945E-09	4.56E-11	8.3E-09	3.83E-06	7.54E-09	3.84E-06	4.79E-07	3.01E-09	4.82E-07	2.56E-12	7.73E-12	4.47E-12	7.07E-14	1.71E-12	9.42E-14	1.87299E-12	5.925E-07	1.9178E-05	8.03E-06	2.12718E-12	2.4888E-13	1.30676E-12	5.09636E-14
275	570710.6	4178239	0.55, 41782	0.3879	0.37553	161.77129	55.27243	21.46966	11.91574	9.10918E-09	5.54E-11	9.16E-09	3.8E-06	8.16E-09	3.81E-06	5.04E-07	3.17E-09	5.07E-07	2.83E-12	8.54E-12	4.94E-12	7.81E-14	1.89E-12	1.04E-13	2.06932E-12	6.546E-07	1.9035E-05	8.46E-06	2.35015E-12	2.74968E-13	1.44374E-12	5.63058E-14
276	570750.6	4178239	0.55, 41782	0.41955	0.45853	185.09687	61.2613	24.33831	15.0229	9.85243E-09	6.77E-11	9.92E-09	4.35E-06	9.04E-09	4.36E-06	5.72E-07	3.59E-09	5.75E-07	3.06E-12	9.24E-12	5.35E-12	8.46E-14	2.04E-12	1.13E-13	2.23991E-12	7.086E-07	2.1779E-05	9.59E-06	2.54389E-12	2.97635E-13	1.56275E-12	6.09474E-14
277	570790.6	4178239	0.55, 41782	0.45531	0.56517	195.76674	71.16962	30.0466	17.67317	1.06922E-08	8.34E-11	1.08E-08	4.6E-06	1.05E-08	4.61E-06	7.06E-07	4.43E-09	7.1E-07	3.33E-12	1E-11	5.81E-12	9.19E-14	2.22E-12	1.22E-13	2.43308E-12	7.697E-07	2.3039E-05	1.18E-05	2.76327E-12	3.23303E-13	1.69752E-12	6.62035E-14
278	570830.6	4178239	0.55, 41782	0.51729	0.70869	186.14136	86.93814	30.32646	20.0795	1.21477E-08	1.05E-10	1.23E-08	4.37E-06	1.28E-08	4.38E-06	7.12E-07	4.48E-09	7.17E-07	3.78E-12	1.14E-11	6.61E-12	1.04E-13	2.52E-12	1.39E-13	2.7665E-12	8.752E-07	2.192E-05	1.19E-05	3.14195E-12	3.67608E-13	1.93015E-12	7.52759E-14
279	570870.6	4178239	0.55, 41782	0.63421	0.91745	225.98347	96.3139	37.66391	24.81387	1.48934E-08	1.35E-10	1.5E-08	5.31E-06	1.42E-08	5.32E-06	8.84E-07	5.56E-09	8.9E-07	4.64E-12	1.4E-11	8.11E-12	1.28E-13	3.09E-12	1.71E-13	3.39342E-12	1.073E-06	2.6605E-05	1.48E-05	3.85395E-12	4.50912E-13	2.36754E-12	9.23341E-14
280	570910.6	4178239	0.55, 41782	0.85302	1.23442	293.13359	117.47886	47.06613	30.6738	2.00317E-08	1.82E-10	2.02E-08	6.88E-06	1.73E-08	6.9E-06	1.11E-06	6.95E-09	1.11E-06	6.24E-12	1.88E-11	1.09E-11	1.72E-13	4.16E-12	2.3E-13	4.5642E-12	1.444E-06	3.4505E-05	1.85E-05	5.18362E-12	6.06483E-13	3.18438E-12	1.24191E-13
281	570950.6	4178239	0.55, 41782	1.35023	1.79208	455.80102	142.22416	68.40553	39.86266	3.17079E-08	2.64E-10	3.2E-08	1.07E-05	2.10E-08	1.07E-05	1.61E-06	1.01E-08	1.62E-06	9.87E-12	2.98E-11	1.72E-11	2.73E-13	6.58E-12	3.63E-13	7.2192E-12	2.284E-06	5.3624E-05	2.69E-05	8.19893E-12	9.59275E-13	5.03674E-12	1.96433E-13
282	570990.6	4178239	0.55, 41782	3.0182	3.06414	885.93977	193.04223	147.1874	58.20401	7.08773E-08	4.52E-10	7.13E-08	2.08E-05	2.85E-08	2.08E-05	3.46E-06	2.17E-08	3.48E-06	2.2E-11	6.65E-11	3.85E-11	6.08E-13	1.47E-11	8.1E-13	1.61059E-11	5.095E-06	0.00010417	5.8E-05	1.82916E-11	2.14012E-12	1.12368E-11	4.38237E-13
283	571030.6	4178239	0.55, 41782	7.70332	4.46365	679.65913	243.63294	144.28562	71.78775	1.809E-07	6.59E-10	1.82E-07	1.6E-05	3.60E-08	1.6E-05	3.39E-06	2.13E-08	3.41E-06	5.6E-11	1.69E-10	9.79E-11	1.55E-12	3.74E-11	2.06E-12	4.0995E-11	1.297E-05	7.9983E-05	5.68E-05	4.65585E-11	5.44734E-12	2.86016E-11	1.11546E-12
284	571110.6	4178239	0.55, 41782	48.37684	13.76668	1082.14109	288.2044	441.33003	115.9324	1.13605E-06	2.03E-09	1.14E-06	2.54E-05	4.25E-08	2.55E-05	1.04E-05	6.51E-08	1.04E-05	3.51E-10	1.06E-09	6.14E-10	9.7E-12	2.34E-10	1.29E-11	2.56973E-10	8.129E-05	0.00012727	0.000174	2.91847E-10	3.41461E-11	1.79287E-10	6.99218E-12
285	571150.6	4178239	0.55, 41782	14.38318	6.22649	550.93904	192.81003	147.46183	59.89562	3.37765E-07	9.19E-10	3.39E-07	1.29E-05	2.85E-08	1.3E-05	3.46E-06	2.18E-08	3.48E-06	1.05E-10	3.16E-10	1.83E-10	2.89E-12	6.97E-11	3.85E-12	7.64731E-11	2.419E-05	6.4832E-05	5.81E-05	8.68515E-11	1.01616E-11	5.33543E-11	2.08082E-12
286	571190.6	4178239	0.55, 41782	8.08563	4.10425	423.01159	138.20819	88.76631	43.45879	1.89877E-07	6.06E-10	1.9E-07	9.93E-06	2.04E-08	9.95E-06	2.08E-06	1.31E-08	2.1E-06	5.88E-11	1.77E-10	1.03E-10	1.62E-12	3.92E-11	2.16E-12	4.30102E-11	1.361E-05	4.9771E-05	3.5E-05	4.88472E-11	5.71512E-12	3.00076E-11	1.1703E-12
287	571230.6	4178239	0.55, 41782	5.48613	3.01374	364.79857	99.98669	64.1708	32.88659	1.28833E-07	4.45E-10	1.29E-07	8.57E-06	1.48E-08	8.58E-06	1.51E-06	9.47E-09	1.52E-06	3.99E-11	1.2E-10	6.97E-11	1.1E-12	2.66E-11	1.47E-12	2.91902E-11	9.234E-06	4.2907E-05	2.53E-05	3.31516E-11	3.87874E-12	2.03656E-11	7.94258E-13
288	571270.6	4178239	0.55, 41782	3.91656	2.30583	308.69657	91.16262	42.97299	25.31404	9.19738E-08	3.40E-10	9.23E-08	7.25E-06	1.35E-08	7.26E-06	1.01E-06	6.34E-09	1.02E-06	2.85E-11	8.6E-11	4.98E-11	7.87E-13	1.9E-11	1.05E-12	2.08441E-11	6.594E-06	3.6313E-05	1.69E-05	2.36729E-11	2.76973E-12	1.45426E-11	5.67163E-13
289	571310.6	4178239	0.55, 41782	2.81911	1.80691	238.76095	82.99282	36.57222	19.65898	6.62021E-08	2.67E-10	6.65E-08	5.61E-06	1.22E-08	5.62E-06	8.59E-07	5.40E-09	8.64E-07	2.05E-11	6.19E-11	3.59E-11	5.67E-13	1.37E-11	7.55E-13	1.50083E-11	4.748E-06	2.8096E-05	1.44E-05	1.70451E-11	1.99428E-12	1.04711E-11	4.08373E-13
290	571350.6	4178239	0.55, 41782	2.07392	1.43877	186.98174	75.01218	31.16362	15.62493	4.87025E-08	2.12E-10	4.89E-08	4.39E-06	1.11E-08	4.4E-06	7.32E-07	4.60E-09	7.36E-07	1.51E-11	4.56E-11	2.64E-11	4.17E-13	1.01E-11	5.56E-13	1.10447E-11	3.494E-06	2.201E-05	1.23E-05	1.25436E-11	1.46761E-12	7.70576E-12	3.00525E-13
291	571390.6	4178239	0.55, 41782	1.57003	1.1589	153.36435	67.14235	25.56072	13.28221	3.68695E-08	1.71E-10	3.7E-08	3.6E-06	9.91E-09	3.61E-06	6E-07	3.77E-09	6.04E-07	1.14E-11	3.45E-11	2E-11	3.16E-13	7.63E-12	4.21E-13	8.36357E-12	2.646E-06	1.8057E-05	1.01E-05	9.49861E-12	1.11134E-12	5.83515E-12	2.27571E-13
292	571430.6	4178239	0.55, 41782	1.23548	0.94866	124.99719	59.46648	20.83286	11.6734	2.90132E-08	1.40E-10	2.92E-08	2.94E-06	8.78E-09	2.94E-06	4.89E-07	3.07E-09	4.92E-07	9E-12	2.72E-11	1.57E-11	2.49E-13	6E-12	3.31E-13	6.58264E-12	2.082E-06	1.4721E-05	8.2E-06	7.47599E-12	8.74691E-13	4.59262E-12	1.79112E-13
293	571470.6	4178239	0.55, 41782	0.99131	0.7845	109.3041	54.21436	17.2339	10.26711	2.32792E-08	1.16E-10	2.34E-08	2.57E-06	8.00E-09	2.57E-06	4.05E-07	2.54E-09	4.07E-07	7.22E-12	2.18E-11	1.26E-11	1.99E-13	4.82E-12	2.66E-13	5.28248E-12	1.671E-06	1.2874E-05	6.79E-06	5.99938E-12	7.01927E-13	3.68552E-12	1.43735E-13
294	571510.6	4178239	0.55, 41782	0.81688	0.65976	100.30585	50.40167	14.55844	9.03737	1.91831E-08	9.74E-11	1.93E-08	2.36E-06	7.44E-09	2.36E-06	3.42E-07	2.15E-09	3.44E-07	5.95E-12	1.8E-11	1.04E-11	1.64E-13	3.97E-12	2.19E-13	4.35343E-12	1.377E-06	1.1815E-05	5.73E-06	4.94424E-12	5.78476E-13	3.03733E-12	1.18456E-13
295	571550.6	4178239	0.55, 41782	0.68618	0.56281	92.19218	46.80105	12.52836	7.96128	1.61138E-08	8.31E-11	1.62E-08	2.16E-06	6.91E-09	2.17E-06	2.94E-07	1.85E-09	2.96E-07	5E-12	1.51E-11	8.74E-12	1.38E-13	3.34E-12	1.84E-13	3.65717E-12	1.157E-06	1.0859E-05	4.93E-06	4.15349E-12	4.85958E-13	2.55156E-12	9.95107E-14
296	571590.6	4178239	0.55, 41782	0.57854	0.48285	84.94405	43.3686	10.89629	7.01254	1.3586E-08	7.13E-11	1.37E-08	1.99E-06	6.40E-09	2E-06	2.56E-07	1.61E-09	2.57E-07	4.21E-12	1.27E-11	7.37E-12	1.16E-13	2.81E-12	1.55E-13	3.08375E-12	9.755E-07	1.0006E-05	4.29E-06	3.50225E-12	4.09764E-13	2.15149E-12	8.39082E-14
297	570310.6	4178279	0.55, 41782	0.11004	0.07807	74.04292	22.79319	10.17864	3.64675	2.5841E-09	1.15E-11	2.6E-09	1.74E-06	3.36E-09	1.74E-06	2.39E-07	1.50E-09	2.41E-07	8.01E-13	2.42E-12	1.4E-12	2.21E-14	5.34E-13	2.95E-14	5.8608E-13	1.854E-07	8.7107E-06	4.01E-06	6.65618E-13	7.78773E-14	4.089E-13	1.59471E-14
298	570350.6	4178279	0.55, 41782	0.12249	0.08802	80.9847	23.74961	11.08549	3.81596	2.87647E-09	1.30E-11	2.89E-09	1.9E-06	3.50E-09	1.91E-06	2.6E-07	1.64E-09	2.62E-07	8.92E-13	2.69E-12	1.56E-12	2.46E-14	5.95E-13	3.28E-14	6.52426E-13	2.064E-07	9.5265E-06	4.37E-06	7.40968E-13	8.66933E-14	4.55189E-13	1.77524E-14
299	570390.6	4178279	0.55, 41782	0.13757	0.10016	86.03589	24.80698	11.74551	4.00404	3.2306E-09	1.48E-11	3.25E-09	2.02E-06	3.66E-09	2.02E-06	2.76E-07	1.73E-09	2.78E-07	1E-12	3.02E-12	1.75E-12	2.77E-14	6.68E-13	3.69E-14	7.32791E-13	2.318E-07	1.012E-05	4.63E-06	8.3224E-13	9.73721E-14	5.11259E-13	1.99391E-14
300	570430.6	4178279	0.55, 41782	0.15607	0.11514	96.31741	27.84204	12.03968	4.46456	3.66504E-09	1.70E-11	3.68E-09	2.26E-06	4.11E-09	2.27E-06	2.83E-07	1.78E-09	2.85E-07	1.14E-12	3.43E-12	1.99E-12	3.14E-14	7.58E-13	4.18E-14	8.31385E-13	2.63E-07	1.133E-05	4.74E-06	9.44214E-13	1.10473E-13	5.80046E-13	2.26218E-14
301	570470.6	4178279	0.55, 41782	0.17907	0.13378	120.52086	33.01708	15.06511	5.41696	4.20516E-09	1.97E-11	4.22E-09	2.83E-06	4.87E-09	2.84E-06	3.54E-07	2.22E-09	3.56E-07	1.3E-12	3.94E-12	2.28E-12	3.6E-14	8.7E-13	4.8E-14	9.53962E-13	3.018E-07	1.4176E-05	5.93E-06	1.08343E-12	1.26761E-13	6.65566E-13	2.59571E-14
302	570510.6	4178279	0.55, 41782	0.20795	0.15724	141.57577	37.85068	17.69697	6.30845	4.88336E-09	2.32E-11	4.91E-09	3.32E-06	5.59E-09	3.33E-06	4.16E-07	2.61E-09	4.18E-07	1.51E-12	4.57E-12	2.65E-12	4.18E-14	1.01E-12	5.57E-14	1.10788E-12	3.505E-07	1.6651E-05	6.97E-06	1.25823E-12	1.47213E-13	7.72951E-13	3.01451E-14
303	570550.6	4178279	0.55, 41782	0.24435	0.18714	153.17347	42.50173	19.14668	7.08362	5.73815E-09	2.76E-11	5.77E-09	3.6E-06	6.27E-09	3.6E-06	4.5E-07	2.83E-09	4.52E-07	1.78E-12	5.37E-12	3.11E-12	4.92E-14	1.19E-12	6.55E-14	1.30188E-12	4.118E-07	1.8016E-05	7.54E-06	1.47856E-12	1.72992E-13	9.08305E-13	3.54239E-14
304	570590.6	4178279	0.55, 41782	0.28993	0.22577	157.86485	46.41285	19.73311	7.73548	6.80852E-09	3.33E-11	6.84E-09	3.71E-06	6.85E-09	3.71E-06	4.63E-07	2.91E-09	4.66E-07	2.11E-12	6.37E-12	3.69E-12	5.83E-14	1.41E-12	7.77E-14	1.54485E-12	4.887E-07	1.857E-05	7.77E-06	1.75451E-12	2.05278E-13	1.07782E-12	4.20351E-14
305	570630.6	4178279	0.55, 41782	0.34541	0.27631	169.89337	50.77009	21.23667	9.57894	8.11137E-09	4.08E-11	8.15E-09	3.99E-06	7.49E-09	4E-06	4.99E-07	3.13E-09	5.02E-07	2.52E-12	7.6E-12	4.4E-12	6.95E-14	1.68E-12	9.26E-14	1.84072E-12	5.823E-07	1.9986E-05	8.36E-06	2.09052E-12	2.44591E-13	1.28424E-12	5.00855E-14
306	570670.6	4178279	0.55, 41782	0.40869	0.34273	189.16159	55.36754	23.6452	11.64813	9.5974E-09	5.06E-11	9.65E-09	4.44E-06	8.17E-09	4.45E-06	5.55E-07	3.49E-09	5.59E-07	2.98E-12	8.99E-12	5.2E-12	8.22E-14	1.99E-12	1.1E-13	2.17847E-12	6.891E-07	2.2252E-05	9.31E-06	2.47411E-12	2.89471E-13	1.51989E-12	5.92756E-14
307	570710.6	4178279	0.55, 41782	0.47241	0.42944	202.37611	59.97812	25.29701	13.4468	1.10938E-08	6.34E-11	1.12E-08	4.75E-06	8.85E-09	4.76E-06	5.94E-07	3.73E-09	5.98E-07	3.44E-12	1.04E-11	6.02E-12	9.51E-14	2.3E-12	1.27E-13	2.51923E-12	7.969E-07	2.3807E-05	9.96E-06	2.86111E-12	3.3475E-13	1.75763E-12	6.85475E-14
308	570750.6	4178279	0.55, 41782	0.52143	0.53099	207.36077	66.44988	28.38204	16.35494	1.22449E-08	7.84E-11	1.23E-08	4.87E-06	9.81E-09	4.88E-06	6.67E-07	4.19E-09	6.71E-07	3.8E-12	1.15E-11	6.65E-12	1.05E-13	2.54E-12	1.4E-13	2.78253E-12	8.802E-07	2.4397E-05	1.12E-05	3.16016E-12	3.69738E-13	1.94134E-12	7.57121E-14
309	570790.6	4178279	0.55, 41782	0.56782	0.69623	217.33897	75.80804	33.24185	20.36018	1.33343E-08	1.03E-10	1.34E-08	5.1E-06	1.12E-08	5.12E-06	7.81E-07	4.91E-09	7.86E-07	4.15E-12	1.25E-11	7.25E-12	1.15E-13	2.77E-12	1.53E-13	3.03402E-12	9.598E-07	2.5575E-05	1.31E-05	3.44577E-12	4.03155E-13	2.11679E-12	8.2555E-14
310	570830.6	4178279	0.55, 41782	0.62461	0.91706	236.67869	94.57659	34.09074	24.90976	1.46679E-08	1.35E-10	1.48E-08	5.56E-06	1.40E-08	5.57E-06	8.01E-07	5.03E-09	8.06E-07	4.57E-12	1.38E-11	7.98E-12	1.26E-13	3.05E-12	1.68E-13	3.3425E-12	1.057E-06	2.786E-05	1.34E-05	3.79612E-12	4.44146E-13	2.33202E-12	9.09487E-14
311	570870.6	4178279	0.55, 41782	0.74364	1.27032	232.57719	121.10786	38.76287	29.17824	1.74631E-08	1.87E-10	1.77E-08	5.46E-06	1.79E-08	5.48E-06	9.1E-07	5.72E-09	9.16E-07	5.45E-12	1.64E-11	9.52E-12	1.5E-13	3.63E-12	2E-13	3.98542E-12	1.261E-06	2.7398E-05	1.53E-05	4.52629E-12	5.29576E-13	2.78057E-12	1.08442E-13
312	570910.6	4178279	0.55, 41782	0.98087	1.94043	289.58181	139.00222	48.26363	45.30681	2.30341E-08	2.86E-10	2.33E-08	6.8E-06	2.05E-08	6.82E-06	1.13E-06	7.12E-09	1.14E-06	7.2E-12	2.17E-11	1.26E-11	1.99E-13	4.8E-12	2.65E-13	5.26564E-12	1.666E-06	3.4104E-05	1.9E-05	5.98025E-12	6.99689E-13	3.67377E-12	1.43277E-13
313	570950.6	4178279	0.55, 41782	1.54705	3.33468	380.89662	209.14004	63.48277	60.99964	3.63299E-08	4.92E-10	3.68E-08	8.94E-06	3.09E-08	8.98E-06	1.49E-06	9.37E-09	1.5E-06	1.14E-11	3.43E-11	1.99E-11	3.14E-13	7.58E-12	4.18E-13	8.31422E-12	2.63E-06	4.4878E-05	2.5E-05	9.44256E-12	1.10478E-12	5.80072E-12	2.26228E-13
314	571150.6	4178279	0.55, 41782	125.5821	15.27099	2183.625	235.47088	1020.3296	115.3363	2.94908E-06	2.25E-09	2.95E-06	5.13E-05	3.47E-08	5.13E-05	2.4E-05	1.51E-07	2.41E-05	9.11E-10	2.75E-09	1.59E-09	2.52E-11	6.08E-10	3.35E-11	6.66398E-10	0.0002108	0.00025657	0.000402	7.56836E-10	8.85498E-11	4.64937E-10	1.81325E-11
315	571190.6	4178279	0.55, 41782	19.14498	7.50998	704.1647	157.76938	186.41477	61.8786	4.49588E-07	1.11E-09	4.51E-07	1.65E-05	2.33E-08	1.66E-05	4.38E-06	2.75E-08	4.41E-06	1.39E-10	4.2E-10	2.43E-10	3.84E-12	9.28E-11	5.12E-12	1.01765E-10	3.219E-05	8.2797E-05	7.34E-05	1.15576E-10	1.35224E-11	7.1E-11	2.769E-12
316	571230.6	4178279	0.55, 41782	9.41744	4.44398	418.2482	120.63814	87.01567	39.51148	2.21153E-07	6.56E-10	2.22E-07	9.82E-06	1.78E-08	9.84E-06	2.04E-06	1.28E-08	2.06E-06	6.84E-11	2.07E-10	1.2E-10	1.89E-12	4.57E-11	2.52E-12	5.00833E-11	1.584E-05	4.9198E-05	3.43E-05	5.68802E-11	6.65498E-12	3.49424E-11	1.36276E-12
317	571270.6	4178279	0.55, 41782	5.33507	3.02277	265.61255	99.06709	58.88721	29.56115	1.25285E-07	4.46E-10	1.26E-07	6.24E-06	1.46E-08	6.25E-06	1.38E-06	8.69E-09	1.39E-06	3.88E-11	1.17E-10	6.78E-11	1.07E-12	2.59E-11	1.43E-12	2.83895E-11	8.981E-06	3.126E-05	2.32E-05	3.22423E-11	3.77235E-12	1.9807E-11	7.72472E-13
318	571310.6	4178279	0.55, 41782	3.44949	2.20529	197.38222	83.78037	42.40574	23.44903	8.10055E-08	3.25E-10	8.13E-08	4.64E-06	1.24E-08	4.65E-06	9.96E-07	6.26E-09	1E-06	2.51E-11	7.58E-11	4.39E-11	6.93E-13	1.67E-11	9.24E-13	1.83641E-11	5.809E-06	2.3238E-05	1.67E-05	2.08564E-11	2.44019E-12	1.28124E-11	4.99684E-13
319	571350.6	4178279	0.55, 41782	2.42474	1.67304	164.77993	74.08708	31.82391	19.20475	5.69409E-08	2.47E-10	5.72E-08	3.87E-06	1.09E-08	3.88E-06	7.47E-07	4.70E-09	7.52E-07	1.76E-11	5.33E-11	3.08E-11	4.88E-13	1.18E-11	6.5E-13	1.29127E-11	4.085E-06	1.9403E-05	1.25E-05	1.46652E-11	1.71582E-12	9.00904E-12	3.51353E-13
320	571390.6	4178279	0.55, 41782	1.80332	1.30805	139.62437	66.18564	24.75802	16.07748	4.23479E-08	1.93E-10	4.25E-08	3.28E-06	9.77E-09	3.29E-06	5.81E-07	3.65E-09	5.85E-07	1.31E-11	3.96E-11	2.29E-11	3.63E-13	8.76E-12	4.83E-13	9.60555E-12	3.039E-06	1.6443E-05	9.75E-06	1.09091E-11	1.27637E-12	6.70166E-12	2.61365E-13
321	571430.6	4178279	0.55, 41782	1.38872	1.04688	120.07885	59.47148	19.78612	13.66223	3.26118E-08	1.54E-10	3.28E-08	2.82E-06	8.78E-09	2.83E-06	4.65E-07	2.92E-09	4.68E-07	1.01E-11	3.05E-11	1.77E-11	2.79E-13	6.75E-12	3.72E-13	7.39846E-12	2.34E-06	1.4143E-05	7.79E-06	8.40252E-12	9.83095E-13	5.1618E-12	2.0131E-13
322	571470.6	4178279	0.55, 41782	1.11171	0.86066	104.95004	53.66694	16.34545	11.81303	2.61066E-08	1.27E-10	2.62E-08	2.46E-06	7.92E-09	2.47E-06	3.84E-07	2.41E-09	3.86E-07	8.1E-12	2.44E-11	1.41E-11	2.24E-13	5.4E-12	2.98E-13	5.92343E-12	1.874E-06	1.2362E-05	6.44E-06	6.72731E-12	7.87096E-13	4.1327E-12	1.61175E-13
323	571510.6	4178279	0.55, 41782	0.90331	0.71725	92.95227	48.50847	13.70064	10.27697	2.12127E-08	1.06E-10	2.13E-08	2.18E-06	7.16E-09	2.19E-06	3.22E-07	2.02E-09	3.24E-07	6.58E-12	1.99E-11	1.15E-11	1.82E-13	4.39E-12	2.42E-13	4.81363E-12	1.523E-06	1.095E-05	5.4E-06	5.4669E-12	6.39627E-13	3.3584E-12	1.30978E-13
324	571550.6	4178279	0.55, 41782	0.74685	0.60641	83.35854	43.88956	11.6678	9.00306	1.75385E-08	8.95E-11	1.76E-08	1.96E-06	6.48E-09	1.96E-06	2.74E-07	1.72E-09	2.76E-07	5.44E-12	1.64E-11	9.51E-12	1.5E-13	3.63E-12	2E-13	3.98032E-12	1.259E-06	9.8201E-06	4.6E-06	4.5205E-12	5.28898E-13	2.77701E-12	1.08304E-13
325	571590.6	4178279	0.55, 41782	0.63093	0.52161	75.57295	41.1264	10.11638	7.96472	1.48163E-08	7.70E-11	1.49E-08	1.77E-06	6.07E-09	1.78E-06	2.38E-07	1.49E-09	2.39E-07	4.6E-12	1.39E-11	8.03E-12	1.27E-13	3.07E-12	1.69E-13	3.36284E-12	1.064E-06	8.9039E-06	3.98E-06	3.81921E-12	4.46848E-13	2.34621E-12	9.1502E-14
326	570310.6	4178319	0.55, 41783	0.1112	0.07908	65.67409	25.12162	10.72274	3.92383	2.61134E-09	1.17E-11	2.62E-09	1.54E-06	3.71E-09	1.55E-06	2.52E-07	1.58E-09	2.53E-07	8.09E-13	2.44E-12	1.41E-12	2.24E-14	5.4E-13	2.98E-14	5.92264E-13	1.874E-07	7.7298E-06	4.22E-06	6.72642E-13	7.86991E-14	4.13215E-13	1.61154E-14
327	570350.6	4178319	0.55, 41783	0.12381	0.08915	72.99363	26.3644	10.96785	4.13077	2.90747E-09	1.32E-11	2.92E-09	1.71E-06	3.89E-09	1.72E-06	2.58E-07	1.62E-09	2.59E-07	9.01E-13	2.72E-12	1.58E-12	2.49E-14	6.01E-13	3.32E-14	6.59463E-13	2.086E-07	8.5901E-06	4.32E-06	7.4896E-13	8.76284E-14	4.60098E-13	1.79438E-14
328	570390.6	4178319	0.55, 41783	0.13907	0.1015	85.61577	27.73961	11.84211	4.3586	3.26582E-09	1.50E-11	3.28E-09	2.01E-06	4.09E-09	2.01E-06	2.78E-07	1.75E-09	2.8E-07	1.01E-12	3.06E-12	1.77E-12	2.8E-14	6.76E-13	3.73E-14	7.4079E-13	2.343E-07	1.0073E-05	4.66E-06	8.41324E-13	9.84349E-14	5.16839E-13	2.01567E-14
329	570430.6	4178319	0.55, 41783	0.15783	0.11689	97.99246	29.27563	13.47747	4.61214	3.70637E-09	1.72E-11	3.72E-09	2.3E-06	4.32E-09	2.31E-06	3.16E-07	1.99E-09	3.18E-07	1.15E-12	3.47E-12	2.01E-12	3.17E-14	7.67E-13	4.23E-14	8.40776E-13	2.66E-07	1.1528E-05	5.31E-06	9.54879E-13	1.11721E-13	5.86598E-13	2.28773E-14
330	570470.6	4178319	0.55, 41783	0.18134	0.13633	108.90086	31.01454	14.92794	4.89871	4.25846E-09	2.01E-11	4.28E-09	2.56E-06	4.58E-09	2.56E-06	3.51E-07	2.20E-09	3.53E-07	1.32E-12	3.99E-12	2.31E-12	3.65E-14	8.81E-13	4.86E-14	9.66084E-13	3.056E-07	1.281E-05	5.88E-06	1.09719E-12	1.28372E-13	6.74023E-13	2.62869E-14
331	570510.6	4178319	0.55, 41783	0.21129	0.16124	118.40452	33.29424	15.9306	5.40834	4.96179E-09	2.38E-11	4.99E-09	2.78E-06	4.91E-09	2.79E-06	3.74E-07	2.35E-09	3.76E-07	1.54E-12	4.65E-12	2.69E-12	4.25E-14	1.03E-12	5.66E-14	1.12572E-12	3.561E-07	1.3927E-05	6.27E-06	1.27849E-12	1.49584E-13	7.854E-13	3.06306E-14
332	570550.6	4178319	0.55, 41783	0.2503	0.19368	153.9338	39.94632	19.24172	6.62991	5.87787E-09	2.86E-11	5.91E-09	3.61E-06	5.89E-09	3.62E-06	4.52E-07	2.84E-09	4.55E-07	1.82E-12	5.5E-12	3.19E-12	5.03E-14	1.22E-12	6.71E-14	1.33365E-12	4.219E-07	1.8104E-05	7.58E-06	1.51464E-12	1.77213E-13	9.30469E-13	3.62883E-14
333	570590.6	4178319	0.55, 41783	0.30196	0.23671	186.54438	46.61587	23.31805	7.76931	7.09102E-09	3.49E-11	7.13E-09	4.38E-06	6.88E-09	4.39E-06	5.48E-07	3.44E-09	5.51E-07	2.2E-12	6.64E-12	3.84E-12	6.07E-14	1.47E-12	8.09E-14	1.60901E-12	5.09E-07	2.1938E-05	9.18E-06	1.82737E-12	2.13802E-13	1.12258E-12	4.37807E-14
334	570630.6	4178319	0.55, 41783	0.37105	0.29503	205.0145	52.79857	25.62681	8.79976	8.71348E-09	4.35E-11	8.76E-09	4.81E-06	7.79E-09	4.82E-06	6.02E-07	3.78E-09	6.06E-07	2.7E-12	8.16E-12	4.72E-12	7.46E-14	1.8E-12	9.95E-14	1.97729E-12	6.255E-07	2.4111E-05	1.01E-05	2.24564E-12	2.62739E-13	1.37953E-12	5.38017E-14
335	570670.6	4178319	0.55, 41783	0.462	0.37572	218.45656	59.57781	27.30707	11.98561	1.08493E-08	5.54E-11	1.09E-08	5.13E-06	8.79E-09	5.14E-06	6.41E-07	4.03E-09	6.45E-07	3.36E-12	1.02E-11	5.88E-12	9.3E-14	2.25E-12	1.24E-13	2.46224E-12	7.789E-07	2.5694E-05	1.08E-05	2.79639E-12	3.27178E-13	1.71787E-12	6.69969E-14
336	570710.6	4178319	0.55, 41783	0.57218	0.48827	242.44958	66.62286	30.3062	15.15553	1.34367E-08	7.21E-11	1.35E-08	5.69E-06	9.83E-09	5.7E-06	7.12E-07	4.47E-09	7.16E-07	4.17E-12	1.26E-11	7.29E-12	1.15E-13	2.78E-12	1.53E-13	3.05021E-12	9.649E-07	2.8517E-05	1.19E-05	3.46416E-12	4.05307E-13	2.12809E-12	8.29955E-14
337	570750.6	4178319	0.55, 41783	0.67767	0.63416	262.41203	72.71034	32.8015	17.84948	1.59139E-08	9.36E-11	1.6E-08	6.16E-06	1.07E-08	6.17E-06	7.7E-07	4.84E-09	7.75E-07	4.94E-12	1.49E-11	8.63E-12	1.36E-13	3.3E-12	1.82E-13	3.61442E-12	1.143E-06	3.0865E-05	1.29E-05	4.10494E-12	4.80278E-13	2.52173E-12	9.83476E-14
338	570790.6	4178319	0.55, 41783	0.76041	0.85502	285.66779	86.45349	42.9347	23.67926	1.78569E-08	1.26E-10	1.8E-08	6.71E-06	1.28E-08	6.72E-06	1.01E-06	6.34E-09	1.01E-06	5.55E-12	1.68E-11	9.7E-12	1.53E-13	3.7E-12	2.04E-13	4.0605E-12	1.285E-06	3.3606E-05	1.69E-05	4.61156E-12	5.39553E-13	2.83296E-12	1.10485E-13
339	570830.6	4178319	0.55, 41783	0.82107	1.23378	302.59427	109.05103	45.07728	29.79255	1.92814E-08	1.82E-10	1.95E-08	7.11E-06	1.61E-08	7.12E-06	1.06E-06	6.65E-09	1.07E-06	6.01E-12	1.81E-11	1.05E-11	1.66E-13	4.01E-12	2.21E-13	4.39477E-12	1.39E-06	3.561E-05	1.78E-05	4.99119E-12	5.83969E-13	3.06617E-12	1.19581E-13
340	570870.6	4178319	0.55, 41783	0.93174	1.8881	263.71888	150.69846	37.23183	42.82711	2.18803E-08	2.79E-10	2.22E-08	6.19E-06	2.22E-08	6.22E-06	8.74E-07	5.49E-09	8.8E-07	6.84E-12	2.06E-11	1.2E-11	1.89E-13	4.56E-12	2.52E-13	5.00339E-12	1.583E-06	3.1076E-05	1.47E-05	5.68241E-12	6.64842E-13	3.4908E-12	1.36141E-13
341	570910.6	4178319	0.55, 41783	1.19482	3.5981	225.26352	195.84246	37.31993	59.22953	2.80583E-08	5.31E-10	2.86E-08	5.29E-06	2.89E-08	5.32E-06	8.76E-07	5.51E-09	8.82E-07	8.82E-12	2.66E-11	1.54E-11	2.44E-13	5.89E-12	3.25E-13	6.45533E-12	2.042E-06	2.6594E-05	1.47E-05	7.33139E-12	8.57773E-13	4.50379E-12	1.75648E-13
342	571190.6	4178319	0.55, 41783	29.13102	9.74239	1204.46355	192.40018	337.10397	86.14095	6.84093E-07	1.44E-09	6.86E-07	2.83E-05	2.84E-08	2.83E-05	7.92E-06	4.97E-08	7.97E-06	2.12E-10	6.39E-10	3.7E-10	5.84E-12	1.41E-10	7.79E-12	1.5479E-10	4.897E-05	0.00014157	0.000133	1.75796E-10	2.05682E-11	1.07995E-10	4.21179E-12
343	571230.6	4178319	0.55, 41783	10.45163	5.25398	479.33008	117.37647	126.19986	44.06446	2.45439E-07	7.75E-10	2.46E-07	1.13E-05	1.73E-08	1.13E-05	2.96E-06	1.86E-08	2.98E-06	7.6E-11	2.29E-10	1.33E-10	2.1E-12	5.07E-11	2.8E-12	5.5594E-11	1.759E-05	5.6368E-05	4.97E-05	6.31388E-11	7.38724E-12	3.87872E-11	1.5127E-12
344	571270.6	4178319	0.55, 41783	5.72808	3.4301	292.22118	96.9874	63.79547	33.00222	1.34514E-07	5.06E-10	1.35E-07	6.86E-06	1.43E-08	6.88E-06	1.5E-06	9.41E-09	1.51E-06	4.17E-11	1.26E-10	7.28E-11	1.15E-12	2.78E-11	1.53E-12	3.0487E-11	9.644E-06	3.4383E-05	2.51E-05	3.46244E-11	4.05106E-12	2.12704E-11	8.29544E-13
345	571310.6	4178319	0.55, 41783	3.67711	2.43151	175.48484	83.52768	43.52526	25.92364	8.63507E-08	3.59E-10	8.67E-08	4.12E-06	1.23E-08	4.13E-06	1.02E-06	6.42E-09	1.03E-06	2.68E-11	8.08E-11	4.68E-11	7.39E-13	1.79E-11	9.85E-13	1.95786E-11	6.194E-06	2.0666E-05	1.71E-05	2.22357E-11	2.60157E-12	1.36597E-11	5.32729E-13
346	571350.6	4178319	0.55, 41783	2.57847	1.81872	135.74456	73.58424	31.86463	21.08438	6.0551E-08	2.68E-10	6.08E-08	3.19E-06	1.09E-08	3.2E-06	7.48E-07	4.70E-09	7.53E-07	1.88E-11	5.67E-11	3.28E-11	5.18E-13	1.25E-11	6.91E-13	1.37327E-11	4.344E-06	1.5993E-05	1.25E-05	1.55964E-11	1.82478E-12	9.58114E-12	3.73664E-13
347	571390.6	4178319	0.55, 41783	1.91038	1.41202	114.67965	65.84745	24.95277	17.54375	4.48621E-08	2.08E-10	4.51E-08	2.69E-06	9.72E-09	2.7E-06	5.86E-07	3.68E-09	5.9E-07	1.39E-11	4.2E-11	2.43E-11	3.84E-13	9.28E-12	5.12E-13	1.01767E-11	3.219E-06	1.3514E-05	9.83E-06	1.15578E-11	1.35226E-12	7.10014E-12	2.76905E-13
348	571430.6	4178319	0.55, 41783	1.47151	1.12853	100.57811	59.61061	20.18585	14.84739	3.45559E-08	1.67E-10	3.47E-08	2.36E-06	8.80E-09	2.37E-06	4.74E-07	2.98E-09	4.77E-07	1.07E-11	3.24E-11	1.87E-11	2.96E-13	7.15E-12	3.94E-13	7.84017E-12	2.48E-06	1.1854E-05	7.95E-06	8.90417E-12	1.04179E-12	5.46998E-12	2.13329E-13
349	571470.6	4178319	0.55, 41783	1.16585	0.92218	90.09229	54.43044	16.69193	12.71837	2.7378E-08	1.36E-10	2.75E-08	2.12E-06	8.03E-09	2.12E-06	3.92E-07	2.46E-09	3.94E-07	8.49E-12	2.56E-11	1.48E-11	2.35E-13	5.67E-12	3.13E-13	6.21255E-12	1.965E-06	1.0618E-05	6.57E-06	7.05567E-12	8.25514E-13	4.33441E-12	1.69042E-13
350	571510.6	4178319	0.55, 41783	0.94595	0.76805	81.52103	50.05282	14.06823	11.00608	2.2214E-08	1.13E-10	2.23E-08	1.91E-06	7.39E-09	1.92E-06	3.3E-07	2.08E-09	3.32E-07	6.89E-12	2.08E-11	1.2E-11	1.9E-13	4.6E-12	2.54E-13	5.04142E-12	1.595E-06	9.6089E-06	5.54E-06	5.7256E-12	6.69895E-13	3.51733E-12	1.37176E-13
351	571550.6	4178319	0.55, 41783	0.78212	0.64956	74.38547	46.28731	12.02264	9.59923	1.83668E-08	9.59E-11	1.85E-08	1.75E-06	6.83E-09	1.75E-06	2.82E-07	1.77E-09	2.84E-07	5.7E-12	1.72E-11	9.96E-12	1.57E-13	3.8E-12	2.1E-13	4.16877E-12	1.319E-06	8.7682E-06	4.74E-06	4.73453E-12	5.53939E-13	2.9085E-12	1.13431E-13
352	571590.6	4178319	0.55, 41783	0.65442	0.55508	68.29245	42.98116	10.3334	8.40789	1.5368E-08	8.19E-11	1.54E-08	1.6E-06	6.34E-09	1.61E-06	2.43E-07	1.52E-09	2.44E-07	4.77E-12	1.44E-11	8.33E-12	1.32E-13	3.18E-12	1.75E-13	3.48851E-12	1.104E-06	8.0504E-06	4.07E-06	3.96194E-12	4.63547E-13	2.43388E-12	9.49214E-14
353	570310.6	4178359	0.55, 41783	0.11229	0.07993	69.29068	26.58817	11.54845	4.0095	2.63694E-09	1.18E-11	2.65E-09	1.63E-06	3.92E-09	1.63E-06	2.71E-07	1.70E-09	2.73E-07	8.17E-13	2.47E-12	1.43E-12	2.26E-14	5.45E-13	3.01E-14	5.98072E-13	1.892E-07	8.1555E-06	4.55E-06	6.79238E-13	7.94708E-14	4.17267E-13	1.62734E-14
354	570350.6	4178359	0.55, 41783	0.12531	0.09043	75.30937	28.06345	12.55156	4.25756	2.94269E-09	1.33E-11	2.96E-09	1.77E-06	4.14E-09	1.77E-06	2.95E-07	1.85E-09	2.97E-07	9.12E-13	2.75E-12	1.59E-12	2.52E-14	6.09E-13	3.36E-14	6.6746E-13	2.111E-07	8.8633E-06	4.94E-06	7.58042E-13	8.86909E-14	4.65677E-13	1.81614E-14
355	570390.6	4178359	0.55, 41783	0.14084	0.10296	81.29058	29.71471	13.54843	4.53386	3.30739E-09	1.52E-11	3.32E-09	1.91E-06	4.38E-09	1.91E-06	3.18E-07	2.00E-09	3.2E-07	1.03E-12	3.1E-12	1.79E-12	2.83E-14	6.84E-13	3.77E-14	7.50224E-13	2.373E-07	9.5668E-06	5.34E-06	8.52038E-13	9.96884E-14	5.23421E-13	2.04134E-14
356	570430.6	4178359	0.55, 41783	0.15989	0.11858	87.11605	31.54887	14.51934	4.83992	3.75475E-09	1.75E-11	3.77E-09	2.05E-06	4.66E-09	2.05E-06	3.41E-07	2.14E-09	3.43E-07	1.16E-12	3.51E-12	2.03E-12	3.22E-14	7.77E-13	4.28E-14	8.51755E-13	2.694E-07	1.0252E-05	5.72E-06	9.67349E-13	1.1318E-13	5.94258E-13	2.31761E-14
357	570470.6	4178359	0.55, 41783	0.18374	0.13844	97.3598	33.59814	15.36354	5.1813	4.31482E-09	2.04E-11	4.34E-09	2.29E-06	4.96E-09	2.29E-06	3.61E-07	2.27E-09	3.63E-07	1.34E-12	4.04E-12	2.34E-12	3.7E-14	8.93E-13	4.92E-14	9.7888E-13	3.097E-07	1.1456E-05	6.05E-06	1.11173E-12	1.30072E-13	6.82951E-13	2.66351E-14
358	570510.6	4178359	0.55, 41783	0.21432	0.16421	118.04415	35.93263	16.48105	5.5698	5.03294E-09	2.42E-11	5.06E-09	2.77E-06	5.30E-09	2.78E-06	3.87E-07	2.43E-09	3.89E-07	1.56E-12	4.71E-12	2.73E-12	4.31E-14	1.04E-12	5.74E-14	1.14189E-12	3.612E-07	1.3887E-05	6.49E-06	1.29685E-12	1.51732E-13	7.96678E-13	3.10705E-14
359	570550.6	4178359	0.55, 41783	0.25472	0.19842	139.50155	38.63371	19.4148	6.01971	5.98167E-09	2.93E-11	6.01E-09	3.28E-06	5.70E-09	3.28E-06	4.56E-07	2.87E-09	4.59E-07	1.85E-12	5.6E-12	3.24E-12	5.12E-14	1.24E-12	6.83E-14	1.35724E-12	4.294E-07	1.6408E-05	7.65E-06	1.54144E-12	1.80348E-13	9.46931E-13	3.69303E-14
360	570590.6	4178359	0.55, 41783	0.30979	0.24497	159.83108	41.83842	22.23989	6.84975	7.2749E-09	3.61E-11	7.31E-09	3.75E-06	6.17E-09	3.76E-06	5.22E-07	3.28E-09	5.26E-07	2.26E-12	6.81E-12	3.94E-12	6.23E-14	1.51E-12	8.3E-14	1.6508E-12	5.222E-07	1.8798E-05	8.76E-06	1.87483E-12	2.19355E-13	1.15174E-12	4.49179E-14
361	570630.6	4178359	0.55, 41783	0.38734	0.31015	206.43147	51.05257	25.80393	8.50876	9.09603E-09	4.58E-11	9.14E-09	4.85E-06	7.53E-09	4.86E-06	6.06E-07	3.81E-09	6.1E-07	2.82E-12	8.52E-12	4.93E-12	7.79E-14	1.88E-12	1.04E-13	2.06417E-12	6.53E-07	2.4276E-05	1.02E-05	2.34431E-12	2.74284E-13	1.44015E-12	5.61657E-14
362	570670.6	4178359	0.55, 41783	0.50063	0.40488	262.98595	60.70684	32.87324	10.74505	1.17565E-08	5.97E-11	1.18E-08	6.18E-06	8.96E-09	6.18E-06	7.72E-07	4.85E-09	7.77E-07	3.65E-12	1.1E-11	6.37E-12	1.01E-13	2.43E-12	1.34E-13	2.66804E-12	8.44E-07	3.0924E-05	1.29E-05	3.03013E-12	3.54525E-13	1.86146E-12	7.25968E-14
363	570710.6	4178359	0.55, 41783	0.66972	0.54814	304.17814	72.14807	38.02227	15.71205	1.57272E-08	8.09E-11	1.58E-08	7.14E-06	1.06E-08	7.15E-06	8.93E-07	5.61E-09	8.98E-07	4.88E-12	1.47E-11	8.53E-12	1.35E-13	3.26E-12	1.8E-13	3.5694E-12	1.129E-06	3.5769E-05	1.5E-05	4.05381E-12	4.74296E-13	2.49032E-12	9.71226E-14
364	570750.6	4178359	0.55, 41783	0.90523	0.76876	339.35657	85.82023	44.72327	21.31802	2.12578E-08	1.13E-10	2.14E-08	7.97E-06	1.27E-08	7.98E-06	1.05E-06	6.60E-09	1.06E-06	6.59E-12	1.99E-11	1.15E-11	1.82E-13	4.4E-12	2.43E-13	4.82553E-12	1.527E-06	3.9909E-05	1.76E-05	5.48041E-12	6.41208E-13	3.3667E-12	1.31301E-13
365	570790.6	4178359	0.55, 41783	1.13154	1.06104	377.53193	96.31599	54.94081	27.90141	2.65723E-08	1.57E-10	2.67E-08	8.87E-06	1.42E-08	8.88E-06	1.29E-06	8.11E-09	1.3E-06	8.25E-12	2.49E-11	1.44E-11	2.28E-13	5.5E-12	3.04E-13	6.03526E-12	1.909E-06	4.44E-05	2.16E-05	6.85431E-12	8.01954E-13	4.21072E-12	1.64218E-13
366	570830.6	4178359	0.55, 41783	1.33226	1.74963	411.58415	139.14147	69.46909	37.35577	3.12859E-08	2.58E-10	3.15E-08	9.67E-06	2.05E-08	9.69E-06	1.63E-06	1.03E-08	1.64E-06	9.73E-12	2.94E-11	1.7E-11	2.69E-13	6.5E-12	3.58E-13	7.1225E-12	2.253E-06	4.8429E-05	2.74E-05	8.08911E-12	9.46426E-13	4.96927E-12	1.93802E-13
367	570870.6	4178359	0.55, 41783	1.45984	3.38436	346.78431	184.49712	52.43952	61.49528	3.42819E-08	4.99E-10	3.48E-08	8.14E-06	2.72E-08	8.17E-06	1.23E-06	7.74E-09	1.24E-06	1.07E-11	3.24E-11	1.88E-11	2.96E-13	7.16E-12	3.95E-13	7.85345E-12	2.484E-06	4.0854E-05	2.07E-05	8.91926E-12	1.04355E-12	5.47925E-12	2.13691E-13
368	571150.6	4178359	0.55, 41783	17.36196	17.82412	1537.79423	258.8776	350.34789	128.93656	4.07716E-07	2.63E-09	4.1E-07	3.61E-05	3.82E-08	3.62E-05	8.23E-06	5.17E-08	8.28E-06	1.27E-10	3.82E-10	2.21E-10	3.5E-12	8.45E-11	4.66E-12	9.26543E-11	2.931E-05	0.00018075	0.000138	1.05229E-10	1.23117E-11	6.46437E-11	2.5211E-12
369	571190.6	4178359	0.55, 41783	10.35157	8.16971	590.93034	162.31709	161.82999	76.08872	2.43089E-07	1.21E-09	2.44E-07	1.39E-05	2.40E-08	1.39E-05	3.8E-06	2.39E-08	3.82E-06	7.54E-11	2.28E-10	1.32E-10	2.08E-12	5.03E-11	2.78E-12	5.51606E-11	1.745E-05	6.9505E-05	6.37E-05	6.26466E-11	7.32965E-12	3.84848E-11	1.50091E-12
370	571230.6	4178359	0.55, 41783	6.41954	4.85697	429.96716	118.18476	103.83364	47.29307	1.50752E-07	7.17E-10	1.51E-07	1.01E-05	1.74E-08	1.01E-05	2.44E-06	1.53E-08	2.45E-06	4.67E-11	1.41E-10	8.17E-11	1.29E-12	3.12E-11	1.72E-12	3.42009E-11	1.082E-05	5.0572E-05	4.09E-05	3.88424E-11	4.54456E-12	2.38615E-11	9.306E-13
371	571270.6	4178359	0.55, 41783	4.24607	3.28764	330.34534	97.41521	71.25122	30.79427	9.97118E-08	4.85E-10	1E-07	7.76E-06	1.44E-08	7.77E-06	1.67E-06	1.05E-08	1.68E-06	3.09E-11	9.34E-11	5.4E-11	8.54E-13	2.06E-11	1.14E-12	2.2624E-11	7.157E-06	3.886E-05	2.81E-05	2.56943E-11	3.00624E-12	1.57845E-11	6.15594E-13
372	571310.6	4178359	0.55, 41783	3.01802	2.39332	280.32399	84.30249	47.38187	23.6076	7.08731E-08	3.53E-10	7.12E-08	6.58E-06	1.24E-08	6.6E-06	1.11E-06	6.99E-09	1.12E-06	2.2E-11	6.64E-11	3.84E-11	6.07E-13	1.47E-11	8.09E-13	1.60826E-11	5.088E-06	3.2977E-05	1.87E-05	1.82652E-11	2.13702E-12	1.12206E-11	4.37603E-13
373	571350.6	4178359	0.55, 41783	2.25439	1.82521	223.1696	75.03337	32.74083	19.24184	5.29406E-08	2.69E-10	5.32E-08	5.24E-06	1.11E-08	5.25E-06	7.69E-07	4.83E-09	7.74E-07	1.64E-11	4.96E-11	2.87E-11	4.54E-13	1.1E-11	6.04E-13	1.20145E-11	3.801E-06	2.6259E-05	1.29E-05	1.36451E-11	1.59647E-12	8.38238E-12	3.26913E-13
374	571390.6	4178359	0.55, 41783	1.7395	1.43625	164.0034	68.00709	25.39154	16.17569	4.08492E-08	2.12E-10	4.11E-08	3.85E-06	1.00E-08	3.86E-06	5.96E-07	3.75E-09	6E-07	1.27E-11	3.83E-11	2.21E-11	3.5E-13	8.45E-12	4.66E-13	9.27142E-12	2.933E-06	1.9307E-05	1E-05	1.05297E-11	1.23197E-12	6.46854E-12	2.52273E-13
375	571430.6	4178359	0.55, 41783	1.37666	1.15767	113.66708	62.41604	21.33563	13.79366	3.23285E-08	1.71E-10	3.25E-08	2.67E-06	9.21E-09	2.68E-06	5.01E-07	3.15E-09	5.04E-07	1E-11	3.03E-11	1.75E-11	2.77E-13	6.69E-12	3.69E-13	7.3382E-12	2.321E-06	1.3392E-05	8.4E-06	8.33409E-12	9.75088E-13	5.11976E-12	1.99671E-13
376	571470.6	4178359	0.55, 41783	1.11313	0.95193	91.64258	57.80687	17.74486	11.89568	2.614E-08	1.40E-10	2.63E-08	2.15E-06	8.53E-09	2.16E-06	4.17E-07	2.62E-09	4.19E-07	8.11E-12	2.45E-11	1.42E-11	2.24E-13	5.41E-12	2.99E-13	5.934E-12	1.877E-06	1.0803E-05	6.99E-06	6.73932E-12	7.885E-13	4.14007E-12	1.61463E-13
377	571510.6	4178359	0.55, 41783	0.9166	0.79605	82.11168	53.90312	14.64829	10.35284	2.15248E-08	1.17E-10	2.16E-08	1.93E-06	7.95E-09	1.94E-06	3.44E-07	2.16E-09	3.46E-07	6.68E-12	2.02E-11	1.17E-11	1.84E-13	4.46E-12	2.46E-13	4.88672E-12	1.546E-06	9.681E-06	5.77E-06	5.54991E-12	6.4934E-13	3.4094E-12	1.32967E-13
378	571550.6	4178359	0.55, 41783	0.76622	0.67498	72.9064	50.52239	12.13868	9.07968	1.79934E-08	9.96E-11	1.81E-08	1.71E-06	7.46E-09	1.72E-06	2.85E-07	1.79E-09	2.87E-07	5.58E-12	1.69E-11	9.76E-12	1.54E-13	3.73E-12	2.06E-13	4.08531E-12	1.292E-06	8.5977E-06	4.78E-06	4.63974E-12	5.42849E-13	2.85027E-12	1.1116E-13
379	571590.6	4178359	0.55, 41783	0.64386	0.57575	65.94968	47.48497	10.99161	8.00686	1.512E-08	8.50E-11	1.52E-08	1.55E-06	7.01E-09	1.56E-06	2.58E-07	1.62E-09	2.6E-07	4.69E-12	1.42E-11	8.2E-12	1.3E-13	3.13E-12	1.73E-13	3.4332E-12	1.086E-06	7.7786E-06	4.33E-06	3.89913E-12	4.56198E-13	2.3953E-12	9.34166E-14
380	570310.6	4178399	0.55, 41783	0.11287	0.08031	71.34246	27.87564	11.89041	3.82503	2.65056E-09	1.19E-11	2.66E-09	1.68E-06	4.11E-09	1.68E-06	2.79E-07	1.75E-09	2.81E-07	8.22E-13	2.48E-12	1.44E-12	2.27E-14	5.48E-13	3.02E-14	6.0116E-13	1.902E-07	8.3974E-06	4.68E-06	6.82745E-13	7.98811E-14	4.19421E-13	1.63574E-14
381	570350.6	4178399	0.55, 41783	0.12665	0.09175	75.96419	29.57043	12.46202	4.12173	2.97416E-09	1.35E-11	2.99E-09	1.78E-06	4.36E-09	1.79E-06	2.93E-07	1.84E-09	2.94E-07	9.22E-13	2.78E-12	1.61E-12	2.55E-14	6.15E-13	3.39E-14	6.74609E-13	2.134E-07	8.9413E-06	4.91E-06	7.66161E-13	8.96409E-14	4.70665E-13	1.83559E-14
382	570390.6	4178399	0.55, 41783	0.1425	0.10434	83.29233	31.439	13.04897	4.44958	3.34637E-09	1.54E-11	3.36E-09	1.96E-06	4.64E-09	1.96E-06	3.06E-07	1.93E-09	3.08E-07	1.04E-12	3.13E-12	1.81E-12	2.87E-14	6.92E-13	3.82E-14	7.59072E-13	2.401E-07	9.8031E-06	5.14E-06	8.62087E-13	1.00864E-13	5.29594E-13	2.06542E-14
383	570430.6	4178399	0.55, 41783	0.16211	0.12032	91.32735	33.521	14.59534	4.81492	3.80688E-09	1.78E-11	3.82E-09	2.14E-06	4.95E-09	2.15E-06	3.43E-07	2.15E-09	3.45E-07	1.18E-12	3.56E-12	2.06E-12	3.26E-14	7.88E-13	4.34E-14	8.63585E-13	2.732E-07	1.0748E-05	5.75E-06	9.80783E-13	1.14752E-13	6.02511E-13	2.34979E-14
384	570470.6	4178399	0.55, 41783	0.18668	0.14051	100.43451	35.89015	16.57018	5.22899	4.38387E-09	2.07E-11	4.4E-09	2.36E-06	5.30E-09	2.36E-06	3.89E-07	2.45E-09	3.92E-07	1.36E-12	4.1E-12	2.38E-12	3.75E-14	9.07E-13	5E-14	9.94538E-13	3.146E-07	1.1819E-05	6.53E-06	1.12951E-12	1.32152E-13	6.93875E-13	2.70611E-14
385	570510.6	4178399	0.55, 41783	0.21834	0.16684	112.76596	38.62084	18.79433	5.70408	5.12735E-09	2.46E-11	5.15E-09	2.65E-06	5.70E-09	2.65E-06	4.41E-07	2.77E-09	4.44E-07	1.59E-12	4.8E-12	2.78E-12	4.39E-14	1.06E-12	5.85E-14	1.16329E-12	3.68E-07	1.3269E-05	7.4E-06	1.32116E-12	1.54576E-13	8.11611E-13	3.16528E-14
386	570550.6	4178399	0.55, 41783	0.26039	0.20212	127.75395	41.82578	21.29232	6.25899	6.11482E-09	2.98E-11	6.14E-09	3E-06	6.17E-09	3.01E-06	5E-07	3.14E-09	5.03E-07	1.9E-12	5.73E-12	3.31E-12	5.24E-14	1.27E-12	6.98E-14	1.38743E-12	4.389E-07	1.5031E-05	8.39E-06	1.57572E-12	1.8436E-13	9.67992E-13	3.77517E-14
387	570590.6	4178399	0.55, 41783	0.3185	0.25095	144.10526	45.67081	24.01754	7.17597	7.47944E-09	3.70E-11	7.52E-09	3.38E-06	6.74E-09	3.39E-06	5.64E-07	3.54E-09	5.68E-07	2.32E-12	7E-12	4.05E-12	6.41E-14	1.55E-12	8.54E-14	1.69718E-12	5.369E-07	1.6954E-05	9.46E-06	1.92751E-12	2.25519E-13	1.1841E-12	4.61799E-14
388	570630.6	4178399	0.55, 41783	0.40291	0.32135	177.65061	50.39519	27.05917	8.74903	9.46166E-09	4.74E-11	9.51E-09	4.17E-06	7.44E-09	4.18E-06	6.35E-07	3.99E-09	6.39E-07	2.93E-12	8.86E-12	5.13E-12	8.11E-14	1.96E-12	1.08E-13	2.14711E-12	6.792E-07	2.0896E-05	1.07E-05	2.43849E-12	2.85304E-13	1.49801E-12	5.84222E-14
389	570670.6	4178399	0.55, 41783	0.53348	0.4284	224.79663	56.41372	32.60934	10.76331	1.25279E-08	6.32E-11	1.26E-08	5.28E-06	8.32E-09	5.29E-06	7.66E-07	4.81E-09	7.71E-07	3.89E-12	1.17E-11	6.79E-12	1.07E-13	2.59E-12	1.43E-13	2.84301E-12	8.994E-07	2.6436E-05	1.28E-05	3.22884E-12	3.77774E-13	1.98353E-12	7.73576E-14
390	570710.6	4178399	0.55, 41783	0.75271	0.60288	297.96202	70.92072	41.13122	14.0152	1.76761E-08	8.90E-11	1.78E-08	7E-06	1.05E-08	7.01E-06	9.66E-07	6.07E-09	9.72E-07	5.48E-12	1.66E-11	9.58E-12	1.51E-13	3.66E-12	2.02E-13	4.01127E-12	1.269E-06	3.5038E-05	1.62E-05	4.55565E-12	5.33011E-13	2.79861E-12	1.09146E-13
391	570750.6	4178399	0.55, 41783	1.15447	0.90762	416.42427	90.04322	52.05303	22.1169	2.71108E-08	1.34E-10	2.72E-08	9.78E-06	1.33E-08	9.79E-06	1.22E-06	7.68E-09	1.23E-06	8.41E-12	2.54E-11	1.47E-11	2.32E-13	5.61E-12	3.09E-13	6.15173E-12	1.946E-06	4.8962E-05	2.05E-05	6.98659E-12	8.17431E-13	4.29198E-12	1.67387E-13
392	570790.6	4178399	0.55, 41783	1.70092	1.35462	632.44551	121.09647	79.05569	31.00919	3.99432E-08	2.00E-10	4.01E-08	1.49E-05	1.79E-08	1.49E-05	1.86E-06	1.17E-08	1.87E-06	1.24E-11	3.74E-11	2.17E-11	3.42E-13	8.27E-12	4.56E-13	9.06413E-12	2.867E-06	7.4349E-05	3.11E-05	1.02942E-11	1.20443E-12	6.32392E-12	2.46633E-13
393	570830.6	4178399	0.55, 41783	3.46088	2.976	854.46592	185.76652	157.19416	64.23703	8.12729E-08	4.39E-10	8.17E-08	2.01E-05	2.74E-08	2.01E-05	3.69E-06	2.32E-08	3.71E-06	2.52E-11	7.61E-11	4.41E-11	6.97E-13	1.68E-11	9.28E-13	1.84502E-11	5.837E-06	0.00010047	6.19E-05	2.09541E-11	2.45163E-12	1.28725E-11	5.02026E-13
394	571110.6	4178399	0.55, 41783	4.7766	17.70794	386.44752	237.89657	91.74551	117.26543	1.1217E-07	2.61E-09	1.15E-07	9.08E-06	3.51E-08	9.11E-06	2.15E-06	1.35E-08	2.17E-06	3.54E-11	1.07E-10	6.19E-11	9.78E-13	2.36E-11	1.3E-12	2.59176E-11	8.199E-06	4.5551E-05	3.61E-05	2.94349E-11	3.44388E-12	1.80823E-11	7.05211E-13
395	571150.6	4178399	0.55, 41783	4.75682	9.04164	493.27775	194.83019	91.47407	80.27894	1.11706E-07	1.33E-09	1.13E-07	1.16E-05	2.88E-08	1.16E-05	2.15E-06	1.35E-08	2.16E-06	3.49E-11	1.05E-10	6.1E-11	9.64E-13	2.33E-11	1.28E-12	2.55239E-11	8.074E-06	5.8063E-05	3.6E-05	2.89878E-11	3.39158E-12	1.78077E-11	6.945E-13
396	571190.6	4178399	0.55, 41783	4.13591	5.67532	541.83424	159.29594	82.25115	55.55038	9.71249E-08	8.37E-10	9.8E-08	1.27E-05	2.35E-08	1.27E-05	1.93E-06	1.21E-08	1.94E-06	3.02E-11	9.13E-11	5.28E-11	8.35E-13	2.02E-11	1.11E-12	2.21194E-11	6.997E-06	6.3738E-05	3.24E-05	2.51213E-11	2.93919E-12	1.54324E-11	6.01865E-13
397	571230.6	4178399	0.55, 41783	3.34043	3.91116	419.25179	113.41297	67.92735	42.50701	7.84444E-08	5.77E-10	7.9E-08	9.85E-06	1.67E-08	9.86E-06	1.6E-06	1.00E-08	1.61E-06	2.44E-11	7.36E-11	4.26E-11	6.74E-13	1.63E-11	8.98E-13	1.78427E-11	5.644E-06	4.9311E-05	2.68E-05	2.02642E-11	2.37091E-12	1.24486E-11	4.85495E-13
398	571270.6	4178399	0.55, 41783	2.69096	2.84934	276.99568	96.24025	46.4546	32.10306	6.31927E-08	4.20E-10	6.36E-08	6.5E-06	1.42E-08	6.52E-06	1.09E-06	6.86E-09	1.1E-06	1.96E-11	5.93E-11	3.43E-11	5.42E-13	1.31E-11	7.23E-13	1.43635E-11	4.544E-06	3.2595E-05	1.83E-05	1.63128E-11	1.9086E-12	1.00212E-11	3.90829E-13
399	571310.6	4178399	0.55, 41783	2.15304	2.16763	240.01182	84.08056	39.08125	24.00367	5.05605E-08	3.20E-10	5.09E-08	5.64E-06	1.24E-08	5.65E-06	9.18E-07	5.77E-09	9.24E-07	1.57E-11	4.74E-11	2.74E-11	4.34E-13	1.05E-11	5.78E-13	1.14886E-11	3.634E-06	2.8243E-05	1.54E-05	1.30477E-11	1.52658E-12	8.0154E-12	3.12601E-13
400	571350.6	4178399	0.55, 41783	1.74135	1.70512	224.12525	73.73672	31.06226	18.34101	4.08927E-08	2.52E-10	4.11E-08	5.26E-06	1.09E-08	5.27E-06	7.29E-07	4.58E-09	7.34E-07	1.27E-11	3.83E-11	2.22E-11	3.51E-13	8.47E-12	4.67E-13	9.29019E-12	2.939E-06	2.637E-05	1.22E-05	1.0551E-11	1.23446E-12	6.48164E-12	2.52784E-13
401	571390.6	4178399	0.55, 41783	1.43215	1.37481	207.21833	64.01827	26.21992	15.02288	3.36316E-08	2.03E-10	3.38E-08	4.87E-06	9.45E-09	4.88E-06	6.16E-07	3.87E-09	6.2E-07	1.04E-11	3.15E-11	1.82E-11	2.88E-13	6.97E-12	3.84E-13	7.63967E-12	2.417E-06	2.4378E-05	1.03E-05	8.67647E-12	1.01515E-12	5.33009E-12	2.07874E-13
402	571430.6	4178399	0.55, 41783	1.19016	1.12906	179.9524	59.14274	22.49405	12.88734	2.79489E-08	1.67E-10	2.81E-08	4.23E-06	8.73E-09	4.23E-06	5.28E-07	3.32E-09	5.32E-07	8.68E-12	2.62E-11	1.52E-11	2.4E-13	5.79E-12	3.19E-13	6.34835E-12	2.008E-06	2.1173E-05	8.86E-06	7.2099E-12	8.43558E-13	4.42916E-12	1.72737E-13
403	571470.6	4178399	0.55, 41783	0.9966	0.93995	146.8642	55.47011	18.35802	11.23121	2.34035E-08	1.39E-10	2.35E-08	3.45E-06	8.19E-09	3.46E-06	4.31E-07	2.71E-09	4.34E-07	7.26E-12	2.19E-11	1.27E-11	2.01E-13	4.85E-12	2.67E-13	5.31571E-12	1.682E-06	1.7285E-05	7.23E-06	6.03712E-12	7.06343E-13	3.7087E-12	1.44639E-13
404	571510.6	4178399	0.55, 41783	0.8441	0.79417	113.63796	52.27286	14.20474	9.85599	1.98223E-08	1.17E-10	1.99E-08	2.67E-06	7.71E-09	2.68E-06	3.34E-07	2.10E-09	3.36E-07	6.15E-12	1.86E-11	1.08E-11	1.7E-13	4.11E-12	2.26E-13	4.50224E-12	1.424E-06	1.3382E-05	5.59E-06	5.11324E-12	5.98249E-13	3.14115E-12	1.22505E-13
405	571550.6	4178399	0.55, 41783	0.71988	0.67749	84.04695	49.45688	12.59546	8.65245	1.69052E-08	1.00E-10	1.7E-08	1.97E-06	7.30E-09	1.98E-06	2.96E-07	1.86E-09	2.98E-07	5.25E-12	1.58E-11	9.17E-12	1.45E-13	3.5E-12	1.93E-13	3.83968E-12	1.215E-06	9.905E-06	4.96E-06	4.36077E-12	5.1021E-13	2.67889E-12	1.04477E-13
406	571590.6	4178399	0.55, 41783	0.61846	0.58359	61.25343	46.95039	11.31778	7.65227	1.45235E-08	8.61E-11	1.46E-08	1.44E-06	6.93E-09	1.45E-06	2.66E-07	1.67E-09	2.67E-07	4.51E-12	1.36E-11	7.88E-12	1.25E-13	3.01E-12	1.66E-13	3.29878E-12	1.044E-06	7.2268E-06	4.46E-06	3.74646E-12	4.38336E-13	2.30151E-12	8.9759E-14
407	570310.6	4178439	0.55, 41784	0.11265	0.08111	78.47962	27.91467	13.07994	3.48933	2.6454E-09	1.20E-11	2.66E-09	1.84E-06	4.12E-09	1.85E-06	3.07E-07	1.93E-09	3.09E-07	8.2E-13	2.48E-12	1.43E-12	2.27E-14	5.47E-13	3.02E-14	6.0002E-13	1.898E-07	9.2354E-06	5.15E-06	6.8145E-13	7.97297E-14	4.18626E-13	1.63264E-14
408	570350.6	4178439	0.55, 41784	0.12585	0.09139	84.54471	29.62734	14.09078	3.70342	2.95538E-09	1.35E-11	2.97E-09	1.99E-06	4.37E-09	1.99E-06	3.31E-07	2.08E-09	3.33E-07	9.16E-13	2.77E-12	1.6E-12	2.53E-14	6.11E-13	3.37E-14	6.70355E-13	2.121E-07	9.9488E-06	5.55E-06	7.6133E-13	8.90756E-14	4.67697E-13	1.82402E-14
409	570390.6	4178439	0.55, 41784	0.14252	0.10489	91.50908	31.67143	15.25151	4.06451	3.34684E-09	1.55E-11	3.36E-09	2.15E-06	4.67E-09	2.15E-06	3.58E-07	2.25E-09	3.6E-07	1.04E-12	3.13E-12	1.81E-12	2.87E-14	6.92E-13	3.82E-14	7.59196E-13	2.402E-07	1.0768E-05	6.01E-06	8.62228E-13	1.00881E-13	5.29681E-13	2.06575E-14
410	570430.6	4178439	0.55, 41784	0.16313	0.12204	99.54775	33.93845	16.59129	4.47421	3.83083E-09	1.80E-11	3.85E-09	2.34E-06	5.01E-09	2.34E-06	3.9E-07	2.45E-09	3.92E-07	1.19E-12	3.59E-12	2.08E-12	3.28E-14	7.93E-13	4.37E-14	8.6905E-13	2.749E-07	1.1714E-05	6.53E-06	9.86991E-13	1.15478E-13	6.06325E-13	2.36467E-14
411	570470.6	4178439	0.55, 41784	0.18858	0.14267	108.92524	36.54882	18.15421	4.93599	4.42848E-09	2.11E-11	4.45E-09	2.56E-06	5.39E-09	2.56E-06	4.26E-07	2.68E-09	4.29E-07	1.37E-12	4.15E-12	2.4E-12	3.79E-14	9.16E-13	5.05E-14	1.00468E-12	3.178E-07	1.2817E-05	7.15E-06	1.14103E-12	1.33501E-13	7.00955E-13	2.73372E-14
412	570510.6	4178439	0.55, 41784	0.22167	0.16966	120.34611	39.98702	20.05769	5.68986	5.20555E-09	2.50E-11	5.23E-09	2.83E-06	5.90E-09	2.83E-06	4.71E-07	2.96E-09	4.74E-07	1.61E-12	4.87E-12	2.82E-12	4.46E-14	1.08E-12	5.94E-14	1.18104E-12	3.736E-07	1.416E-05	7.9E-06	1.34132E-12	1.56935E-13	8.23996E-13	3.21358E-14
413	570550.6	4178439	0.55, 41784	0.2658	0.20594	134.27176	44.24032	22.37863	6.83821	6.24187E-09	3.04E-11	6.27E-09	3.15E-06	6.53E-09	3.16E-06	5.26E-07	3.30E-09	5.29E-07	1.94E-12	5.84E-12	3.38E-12	5.35E-14	1.29E-12	7.12E-14	1.41625E-12	4.48E-07	1.5798E-05	8.81E-06	1.60845E-12	1.88188E-13	9.88095E-13	3.85357E-14
414	570590.6	4178439	0.55, 41784	0.3272	0.25654	151.91315	49.32778	25.31886	8.30482	7.68374E-09	3.79E-11	7.72E-09	3.57E-06	7.28E-09	3.57E-06	5.95E-07	3.74E-09	5.98E-07	2.38E-12	7.19E-12	4.16E-12	6.58E-14	1.59E-12	8.77E-14	1.7435E-12	5.515E-07	1.7874E-05	9.97E-06	1.98011E-12	2.31673E-13	1.21642E-12	4.74402E-14
415	570630.6	4178439	0.55, 41784	0.41735	0.33056	175.42083	55.6235	29.2368	10.21264	9.80076E-09	4.88E-11	9.85E-09	4.12E-06	8.21E-09	4.13E-06	6.87E-07	4.31E-09	6.91E-07	3.04E-12	9.18E-12	5.31E-12	8.4E-14	2.03E-12	1.12E-13	2.22398E-12	7.035E-07	2.0638E-05	1.15E-05	2.5258E-12	2.95519E-13	1.55164E-12	6.0514E-14
416	570670.6	4178439	0.55, 41784	0.56024	0.44648	208.37177	63.80907	34.72863	12.75328	1.31563E-08	6.59E-11	1.32E-08	4.89E-06	9.42E-09	4.9E-06	8.16E-07	5.12E-09	8.21E-07	4.08E-12	1.23E-11	7.13E-12	1.13E-13	2.72E-12	1.5E-13	2.98551E-12	9.444E-07	2.4513E-05	1.37E-05	3.39067E-12	3.96709E-13	2.08295E-12	8.12349E-14
417	570710.6	4178439	0.55, 41784	0.81434	0.64609	258.28683	75.2647	43.04781	16.40047	1.91234E-08	9.53E-11	1.92E-08	6.07E-06	1.11E-08	6.08E-06	1.01E-06	6.35E-09	1.02E-06	5.93E-12	1.79E-11	1.04E-11	1.64E-13	3.96E-12	2.18E-13	4.3395E-12	1.373E-06	3.0383E-05	1.7E-05	4.92842E-12	5.76626E-13	3.02761E-12	1.18077E-13
418	570750.6	4178439	0.55, 41784	1.35572	1.03003	343.9155	93.10334	57.16949	22.25077	3.18368E-08	1.52E-10	3.2E-08	8.08E-06	1.37E-08	8.09E-06	1.34E-06	8.44E-09	1.35E-06	9.87E-12	2.98E-11	1.73E-11	2.73E-13	6.59E-12	3.63E-13	7.22292E-12	2.285E-06	4.045E-05	2.25E-05	8.20316E-12	9.59769E-13	5.03933E-12	1.96534E-13
419	570790.6	4178439	0.55, 41784	3.18264	2.0617	571.47263	129.70009	95.66015	38.79176	7.47389E-08	3.04E-10	7.5E-08	1.34E-05	1.91E-08	1.34E-05	2.25E-06	1.41E-08	2.26E-06	2.32E-11	6.99E-11	4.05E-11	6.4E-13	1.55E-11	8.52E-13	1.69444E-11	5.36E-06	6.7196E-05	3.77E-05	1.9244E-11	2.25154E-12	1.18219E-11	4.61053E-13
420	571070.6	4178439	0.55, 41784	4.74443	12.25677	251.71558	235.3671	48.15254	87.29167	1.11415E-07	1.81E-09	1.13E-07	5.91E-06	3.47E-08	5.95E-06	1.13E-06	7.11E-09	1.14E-06	3.49E-11	1.05E-10	6.11E-11	9.65E-13	2.33E-11	1.29E-12	2.55654E-11	8.087E-06	2.9729E-05	1.9E-05	2.90349E-11	3.39708E-12	1.78366E-11	6.95628E-13
421	571110.6	4178439	0.55, 41784	3.89854	10.39914	292.37938	213.76959	54.55193	96.69541	9.15506E-08	1.53E-09	9.31E-08	6.87E-06	3.15E-08	6.9E-06	1.28E-06	8.05E-09	1.29E-06	2.87E-11	8.67E-11	5.02E-11	7.94E-13	1.92E-11	1.06E-12	2.10182E-11	6.649E-06	3.4488E-05	2.15E-05	2.38706E-11	2.79286E-12	1.46641E-11	5.719E-13
422	571150.6	4178439	0.55, 41784	3.24566	6.14355	299.25996	151.74182	53.26943	58.88405	7.62189E-08	9.07E-10	7.71E-08	7.03E-06	2.24E-08	7.05E-06	1.25E-06	7.86E-09	1.26E-06	2.38E-11	7.19E-11	4.16E-11	6.57E-13	1.59E-11	8.76E-13	1.74146E-11	5.509E-06	3.525E-05	2.1E-05	1.97779E-11	2.31402E-12	1.21499E-11	4.73846E-13
423	571190.6	4178439	0.55, 41784	2.68652	4.20662	319.22111	114.25705	45.60302	42.68486	6.30884E-08	6.21E-10	6.37E-08	7.5E-06	1.69E-08	7.51E-06	1.07E-06	6.73E-09	1.08E-06	1.97E-11	5.94E-11	3.44E-11	5.43E-13	1.31E-11	7.24E-13	1.43852E-11	4.551E-06	3.7566E-05	1.8E-05	1.63375E-11	1.91148E-12	1.00364E-11	3.91419E-13
424	571230.6	4178439	0.55, 41784	2.2851	3.10379	355.31137	114.374	48.25343	33.87475	5.36617E-08	4.58E-10	5.41E-08	8.34E-06	1.69E-08	8.36E-06	1.13E-06	7.12E-09	1.14E-06	1.67E-11	5.04E-11	2.92E-11	4.61E-13	1.11E-11	6.15E-13	1.222E-11	3.866E-06	4.1804E-05	1.9E-05	1.38784E-11	1.62377E-12	8.52571E-12	3.32503E-13
425	571270.6	4178439	0.55, 41784	1.91581	2.39067	281.61312	92.35093	43.32371	28.45229	4.49896E-08	3.53E-10	4.53E-08	6.61E-06	1.36E-08	6.63E-06	1.02E-06	6.39E-09	1.02E-06	1.4E-11	4.22E-11	2.45E-11	3.87E-13	9.34E-12	5.15E-13	1.02381E-11	3.239E-06	3.3134E-05	1.71E-05	1.16275E-11	1.36042E-12	7.14297E-12	2.78576E-13
426	571310.6	4178439	0.55, 41784	1.62017	1.88774	249.98498	75.512	38.72011	23.46838	3.8047E-08	2.79E-10	3.83E-08	5.87E-06	1.11E-08	5.88E-06	9.09E-07	5.71E-09	9.15E-07	1.18E-11	3.57E-11	2.07E-11	3.27E-13	7.89E-12	4.35E-13	8.65372E-12	2.738E-06	2.9408E-05	1.52E-05	9.82814E-12	1.14989E-12	6.03758E-12	2.35466E-13
427	571350.6	4178439	0.55, 41784	1.36969	1.52492	207.90528	71.02603	31.99215	18.96422	3.21649E-08	2.25E-10	3.24E-08	4.88E-06	1.05E-08	4.89E-06	7.51E-07	4.72E-09	7.56E-07	9.99E-12	3.02E-11	1.75E-11	2.76E-13	6.67E-12	3.68E-13	7.31348E-12	2.314E-06	2.4464E-05	1.26E-05	8.30601E-12	9.71803E-13	5.10252E-12	1.98998E-13
428	571390.6	4178439	0.55, 41784	1.16602	1.25794	137.82846	66.02867	21.56098	15.29437	2.7382E-08	1.86E-10	2.76E-08	3.24E-06	9.74E-09	3.25E-06	5.06E-07	3.18E-09	5.1E-07	8.51E-12	2.57E-11	1.49E-11	2.35E-13	5.68E-12	3.13E-13	6.22464E-12	1.969E-06	1.6232E-05	8.49E-06	7.0694E-12	8.2712E-13	4.34285E-12	1.69371E-13
429	571430.6	4178439	0.55, 41784	1.00225	1.05165	150.81052	60.59063	19.07395	12.70811	2.35362E-08	1.55E-10	2.37E-08	3.54E-06	8.94E-09	3.55E-06	4.48E-07	2.81E-09	4.51E-07	7.31E-12	2.21E-11	1.28E-11	2.02E-13	4.88E-12	2.69E-13	5.34939E-12	1.692E-06	1.7752E-05	7.51E-06	6.07537E-12	7.10818E-13	3.7322E-12	1.45556E-13
430	571470.6	4178439	0.55, 41784	0.86528	0.88825	153.64691	54.59461	19.20586	10.6849	2.03196E-08	1.31E-10	2.05E-08	3.61E-06	8.06E-09	3.62E-06	4.51E-07	2.83E-09	4.54E-07	6.31E-12	1.91E-11	1.1E-11	1.74E-13	4.21E-12	2.32E-13	4.61768E-12	1.461E-06	1.8081E-05	7.56E-06	5.24435E-12	6.13589E-13	3.22169E-12	1.25646E-13
431	571510.6	4178439	0.55, 41784	0.75493	0.76151	144.52703	49.13224	18.06588	9.74189	1.77283E-08	1.12E-10	1.78E-08	3.39E-06	7.25E-09	3.4E-06	4.24E-07	2.67E-09	4.27E-07	5.51E-12	1.66E-11	9.62E-12	1.52E-13	3.67E-12	2.03E-13	4.02833E-12	1.274E-06	1.7006E-05	7.12E-06	4.57502E-12	5.35278E-13	2.81051E-12	1.0961E-13
432	571550.6	4178439	0.55, 41784	0.65913	0.65716	127.58758	46.59598	15.94845	8.8858	1.54786E-08	9.70E-11	1.56E-08	3E-06	6.88E-09	3E-06	3.75E-07	2.35E-09	3.77E-07	4.81E-12	1.45E-11	8.4E-12	1.33E-13	3.21E-12	1.77E-13	3.51688E-12	1.113E-06	1.5015E-05	6.28E-06	3.99416E-12	4.67317E-13	2.45368E-12	9.56935E-14
433	571590.6	4178439	0.55, 41784	0.57626	0.57045	106.82976	44.35137	13.35372	8.08009	1.35325E-08	8.42E-11	1.36E-08	2.51E-06	6.54E-09	2.52E-06	3.14E-07	1.97E-09	3.16E-07	4.2E-12	1.27E-11	7.34E-12	1.16E-13	2.8E-12	1.55E-13	3.07458E-12	9.726E-07	1.2576E-05	5.26E-06	3.49184E-12	4.08545E-13	2.14509E-12	8.36586E-14
434	570310.6	4178479	0.55, 41784	0.1113	0.08183	74.58423	29.47815	11.80727	4.00274	2.61369E-09	1.21E-11	2.63E-09	1.75E-06	4.35E-09	1.76E-06	2.77E-07	1.74E-09	2.79E-07	8.1E-13	2.45E-12	1.42E-12	2.24E-14	5.41E-13	2.98E-14	5.92886E-13	1.876E-07	8.7792E-06	4.65E-06	6.73348E-13	7.87817E-14	4.13648E-13	1.61323E-14
435	570350.6	4178479	0.55, 41784	0.12561	0.09388	80.0812	31.76761	12.83362	4.33491	2.94974E-09	1.39E-11	2.96E-09	1.88E-06	4.69E-09	1.89E-06	3.01E-07	1.89E-09	3.03E-07	9.15E-13	2.76E-12	1.6E-12	2.53E-14	6.1E-13	3.37E-14	6.69165E-13	2.117E-07	9.4263E-06	5.05E-06	7.59979E-13	8.89175E-14	4.66867E-13	1.82078E-14
436	570390.6	4178479	0.55, 41784	0.14146	0.10678	86.10528	34.01158	14.01299	4.67053	3.32195E-09	1.58E-11	3.34E-09	2.02E-06	5.02E-09	2.03E-06	3.29E-07	2.07E-09	3.31E-07	1.03E-12	3.11E-12	1.8E-12	2.85E-14	6.87E-13	3.79E-14	7.53638E-13	2.384E-07	1.0135E-05	5.52E-06	8.55916E-13	1.00142E-13	5.25803E-13	2.05063E-14
437	570430.6	4178479	0.55, 41784	0.16075	0.12266	93.00088	36.36689	15.32204	5.02469	3.77494E-09	1.81E-11	3.79E-09	2.18E-06	5.37E-09	2.19E-06	3.6E-07	2.26E-09	3.62E-07	1.17E-12	3.53E-12	2.05E-12	3.23E-14	7.81E-13	4.31E-14	8.56451E-13	2.709E-07	1.0947E-05	6.03E-06	9.72682E-13	1.13804E-13	5.97534E-13	2.33038E-14
438	570470.6	4178479	0.55, 41784	0.18644	0.14379	101.96042	39.51551	16.93263	5.48718	4.37823E-09	2.12E-11	4.4E-09	2.39E-06	5.83E-09	2.4E-06	3.98E-07	2.50E-09	4E-07	1.36E-12	4.1E-12	2.37E-12	3.75E-14	9.06E-13	5E-14	9.93374E-13	3.142E-07	1.2001E-05	6.67E-06	1.12819E-12	1.31998E-13	6.93064E-13	2.70295E-14
439	570510.6	4178479	0.55, 41784	0.22079	0.17209	113.44919	43.50567	18.9082	6.17272	5.18488E-09	2.54E-11	5.21E-09	2.66E-06	6.42E-09	2.67E-06	4.44E-07	2.79E-09	4.47E-07	1.61E-12	4.85E-12	2.81E-12	4.44E-14	1.07E-12	5.92E-14	1.17646E-12	3.722E-07	1.3353E-05	7.45E-06	1.33611E-12	1.56325E-13	8.20797E-13	3.20111E-14
440	570550.6	4178479	0.55, 41784	0.2667	0.21004	127.7059	48.20733	21.28432	7.34053	6.263E-09	3.10E-11	6.29E-09	3E-06	7.11E-09	3.01E-06	5E-07	3.14E-09	5.03E-07	1.94E-12	5.86E-12	3.39E-12	5.37E-14	1.3E-12	7.15E-14	1.42115E-12	4.496E-07	1.503E-05	8.38E-06	1.61402E-12	1.88841E-13	9.9152E-13	3.86693E-14
441	570590.6	4178479	0.55, 41784	0.32931	0.26248	144.67878	53.44745	24.11313	8.81975	7.73329E-09	3.87E-11	7.77E-09	3.4E-06	7.89E-09	3.41E-06	5.66E-07	3.56E-09	5.7E-07	2.4E-12	7.24E-12	4.19E-12	6.63E-14	1.6E-12	8.83E-14	1.75489E-12	5.551E-07	1.7027E-05	9.5E-06	1.99305E-12	2.33186E-13	1.22436E-12	4.775E-14
442	570630.6	4178479	0.55, 41784	0.42133	0.33962	165.95931	60.05375	27.65989	10.77683	9.89423E-09	5.01E-11	9.94E-09	3.9E-06	8.86E-09	3.91E-06	6.5E-07	4.08E-09	6.54E-07	3.07E-12	9.27E-12	5.36E-12	8.48E-14	2.05E-12	1.13E-13	2.24539E-12	7.103E-07	1.9531E-05	1.09E-05	2.55011E-12	2.98363E-13	1.56657E-12	6.10964E-14
443	570670.6	4178479	0.55, 41784	0.56746	0.46145	193.36004	69.0612	32.22667	13.5092	1.33258E-08	6.81E-11	1.34E-08	4.54E-06	1.02E-08	4.55E-06	7.57E-07	4.76E-09	7.62E-07	4.13E-12	1.25E-11	7.22E-12	1.14E-13	2.76E-12	1.52E-13	3.02429E-12	9.567E-07	2.2755E-05	1.27E-05	3.43472E-12	4.01862E-13	2.11E-12	8.22902E-14
444	570710.6	4178479	0.55, 41784	0.83023	0.67528	236.53606	81.84268	39.07222	17.68943	1.94966E-08	9.96E-11	1.96E-08	5.55E-06	1.21E-08	5.57E-06	9.18E-07	5.77E-09	9.23E-07	6.05E-12	1.83E-11	1.06E-11	1.67E-13	4.04E-12	2.23E-13	4.42473E-12	1.4E-06	2.7834E-05	1.54E-05	5.02522E-12	5.87951E-13	3.08707E-12	1.20396E-13
445	570750.6	4178479	0.55, 41784	1.42426	1.12918	342.03514	102.90165	49.67165	25.1054	3.34463E-08	1.67E-10	3.36E-08	8.03E-06	1.52E-08	8.05E-06	1.17E-06	7.33E-09	1.17E-06	1.04E-11	3.13E-11	1.81E-11	2.87E-13	6.92E-12	3.82E-13	7.58965E-12	2.401E-06	4.0237E-05	1.96E-05	8.61966E-12	1.0085E-12	5.2952E-12	2.06513E-13
446	570790.6	4178479	0.55, 41784	3.63047	2.75084	596.75244	187.47347	107.7468	51.23422	8.52555E-08	4.06E-10	8.57E-08	1.4E-05	2.77E-08	1.4E-05	2.53E-06	1.59E-08	2.55E-06	2.64E-11	7.98E-11	4.62E-11	7.3E-13	1.76E-11	9.73E-13	1.93419E-11	6.119E-06	7.0207E-05	4.24E-05	2.19669E-11	2.57012E-12	1.34946E-11	5.2629E-13
447	571030.6	4178479	0.55, 41784	9.40071	15.68167	333.68631	267.08575	81.11776	110.69164	2.2076E-07	2.31E-09	2.23E-07	7.84E-06	3.94E-08	7.88E-06	1.9E-06	1.20E-08	1.92E-06	6.88E-11	2.08E-10	1.2E-10	1.9E-12	4.59E-11	2.53E-12	5.0369E-11	1.593E-05	3.9377E-05	3.19E-05	5.72047E-11	6.69295E-12	3.51418E-11	1.37053E-12
448	571070.6	4178479	0.55, 41784	5.59712	9.0131	216.22006	204.77885	54.58514	76.29745	1.31439E-07	1.33E-09	1.33E-07	5.08E-06	3.02E-08	5.11E-06	1.28E-06	8.06E-09	1.29E-06	4.1E-11	1.24E-10	7.16E-11	1.13E-12	2.73E-11	1.51E-12	2.99786E-11	9.483E-06	2.5539E-05	2.15E-05	3.40471E-11	3.98351E-12	2.09157E-11	8.15711E-13
449	571110.6	4178479	0.55, 41784	3.86033	5.8724	232.77263	158.88759	40.87392	60.11848	9.06534E-08	8.67E-10	9.15E-08	5.47E-06	2.34E-08	5.49E-06	9.6E-07	6.03E-09	9.66E-07	2.82E-11	8.53E-11	4.94E-11	7.8E-13	1.88E-11	1.04E-12	2.06648E-11	6.537E-06	2.7449E-05	1.61E-05	2.34692E-11	2.7459E-12	1.44175E-11	5.62283E-13
450	571150.6	4178479	0.55, 41784	2.87873	4.17215	243.47288	131.88403	36.94401	47.80365	6.76021E-08	6.16E-10	6.82E-08	5.72E-06	1.95E-08	5.74E-06	8.68E-07	5.45E-09	8.73E-07	2.11E-11	6.36E-11	3.68E-11	5.82E-13	1.4E-11	7.75E-13	1.54033E-11	4.873E-06	2.8685E-05	1.46E-05	1.74937E-11	2.04676E-12	1.07466E-11	4.19119E-13
451	571190.6	4178479	0.55, 41784	2.25924	3.11768	272.99859	103.34976	40.61499	35.56429	5.30544E-08	4.60E-10	5.35E-08	6.41E-06	1.53E-08	6.43E-06	9.54E-07	5.99E-09	9.6E-07	1.65E-11	4.99E-11	2.89E-11	4.56E-13	1.1E-11	6.08E-13	1.20833E-11	3.822E-06	3.2131E-05	1.6E-05	1.37232E-11	1.60561E-12	8.43037E-12	3.28784E-13
452	571230.6	4178479	0.55, 41784	1.86428	2.43731	228.60917	88.43023	34.9281	28.65964	4.37795E-08	3.60E-10	4.41E-08	5.37E-06	1.30E-08	5.38E-06	8.2E-07	5.15E-09	8.25E-07	1.36E-11	4.11E-11	2.38E-11	3.76E-13	9.09E-12	5.01E-13	9.96641E-12	3.153E-06	2.6908E-05	1.38E-05	1.1319E-11	1.32432E-12	6.95343E-12	2.71184E-13
453	571270.6	4178479	0.55, 41784	1.58233	1.95726	275.18297	89.4878	39.56066	24.38596	3.71584E-08	2.89E-10	3.74E-08	6.46E-06	1.32E-08	6.48E-06	9.29E-07	5.84E-09	9.35E-07	1.16E-11	3.49E-11	2.02E-11	3.19E-13	7.71E-12	4.25E-13	8.4554E-12	2.675E-06	3.2377E-05	1.56E-05	9.60289E-12	1.12354E-12	5.89921E-12	2.30069E-13
454	571310.6	4178479	0.55, 41784	1.35793	1.6065	222.77943	77.47813	32.82803	21.05024	3.18887E-08	2.37E-10	3.21E-08	5.23E-06	1.14E-08	5.24E-06	7.71E-07	4.84E-09	7.76E-07	9.91E-12	2.99E-11	1.73E-11	2.74E-13	6.62E-12	3.65E-13	7.25385E-12	2.295E-06	2.6215E-05	1.29E-05	8.23828E-12	9.63879E-13	5.06091E-12	1.97375E-13
455	571350.6	4178479	0.55, 41784	1.1642	1.33076	210.30644	64.61424	30.9494	18.13628	2.73393E-08	1.96E-10	2.75E-08	4.94E-06	9.53E-09	4.95E-06	7.27E-07	4.57E-09	7.31E-07	8.5E-12	2.57E-11	1.49E-11	2.35E-13	5.67E-12	3.13E-13	6.21742E-12	1.967E-06	2.4741E-05	1.22E-05	7.0612E-12	8.2616E-13	4.33781E-12	1.69175E-13
456	571390.6	4178479	0.55, 41784	1.001	1.11694	187.8278	60.73144	27.7002	15.35336	2.35068E-08	1.65E-10	2.37E-08	4.41E-06	8.96E-09	4.42E-06	6.5E-07	4.09E-09	6.55E-07	7.3E-12	2.21E-11	1.28E-11	2.02E-13	4.87E-12	2.69E-13	5.34494E-12	1.691E-06	2.2099E-05	1.09E-05	6.07031E-12	7.10227E-13	3.72909E-12	1.45435E-13
457	571430.6	4178479	0.55, 41784	0.8626	0.94616	141.00765	57.76687	20.99683	12.7525	2.02567E-08	1.40E-10	2.04E-08	3.31E-06	8.52E-09	3.32E-06	4.93E-07	3.10E-09	4.96E-07	6.29E-12	1.9E-11	1.1E-11	1.74E-13	4.2E-12	2.32E-13	4.60539E-12	1.457E-06	1.6599E-05	8.27E-06	5.2304E-12	6.11957E-13	3.21312E-12	1.25312E-13
458	571470.6	4178479	0.55, 41784	0.75511	0.81334	85.41876	54.87579	13.60469	11.10539	1.77325E-08	1.20E-10	1.79E-08	2.01E-06	8.10E-09	2.01E-06	3.19E-07	2.01E-09	3.21E-07	5.51E-12	1.66E-11	9.63E-12	1.52E-13	3.68E-12	2.03E-13	4.03101E-12	1.275E-06	1.007E-05	5.36E-06	4.57807E-12	5.35634E-13	2.81238E-12	1.09683E-13
459	571510.6	4178479	0.55, 41784	0.666	0.70453	104.54177	51.61661	13.06772	9.4895	1.56399E-08	1.04E-10	1.57E-08	2.45E-06	7.62E-09	2.46E-06	3.07E-07	1.93E-09	3.09E-07	4.86E-12	1.47E-11	8.49E-12	1.34E-13	3.24E-12	1.79E-13	3.55489E-12	1.125E-06	1.2313E-05	5.15E-06	4.03733E-12	4.72367E-13	2.4802E-12	9.67277E-14
460	571550.6	4178479	0.55, 41784	0.58993	0.61436	114.23468	47.78612	14.27934	8.47335	1.38535E-08	9.07E-11	1.39E-08	2.68E-06	7.05E-09	2.69E-06	3.35E-07	2.11E-09	3.37E-07	4.3E-12	1.3E-11	7.52E-12	1.19E-13	2.87E-12	1.58E-13	3.14853E-12	9.96E-07	1.3448E-05	5.62E-06	3.57582E-12	4.18371E-13	2.19668E-12	8.56707E-14
461	571590.6	4178479	0.55, 41784	0.5248	0.5396	114.71837	43.31659	14.3398	7.89274	1.2324E-08	7.96E-11	1.24E-08	2.69E-06	6.39E-09	2.7E-06	3.37E-07	2.12E-09	3.39E-07	3.83E-12	1.16E-11	6.69E-12	1.06E-13	2.55E-12	1.41E-13	2.80069E-12	8.86E-07	1.3502E-05	5.65E-06	3.18078E-12	3.72151E-13	1.954E-12	7.62061E-14
462	570310.6	4178519	0.55, 41785	0.10968	0.08323	75.92481	30.95134	12.65413	4.31611	2.57565E-09	1.23E-11	2.59E-09	1.78E-06	4.57E-09	1.79E-06	2.97E-07	1.87E-09	2.99E-07	7.99E-13	2.41E-12	1.4E-12	2.21E-14	5.33E-13	2.94E-14	5.84343E-13	1.849E-07	8.9377E-06	4.98E-06	6.63645E-13	7.76465E-14	4.07688E-13	1.58998E-14
463	570350.6	4178519	0.55, 41785	0.12253	0.09413	80.98331	32.52203	13.49722	4.56123	2.87741E-09	1.39E-11	2.89E-09	1.9E-06	4.80E-09	1.91E-06	3.17E-07	1.99E-09	3.19E-07	8.92E-13	2.69E-12	1.56E-12	2.46E-14	5.95E-13	3.28E-14	6.52842E-13	2.065E-07	9.5328E-06	5.32E-06	7.41441E-13	8.67485E-14	4.55479E-13	1.77637E-14
464	570390.6	4178519	0.55, 41785	0.13706	0.10653	86.4192	34.09518	14.4032	4.78567	3.21862E-09	1.57E-11	3.23E-09	2.03E-06	5.03E-09	2.03E-06	3.38E-07	2.13E-09	3.4E-07	9.98E-13	3.01E-12	1.74E-12	2.76E-14	6.66E-13	3.67E-14	7.30299E-13	2.31E-07	1.0172E-05	5.67E-06	8.2941E-13	9.70409E-14	5.0952E-13	1.98713E-14
465	570430.6	4178519	0.55, 41785	0.15657	0.12308	93.48729	36.56809	15.58121	5.11226	3.67678E-09	1.82E-11	3.69E-09	2.2E-06	5.40E-09	2.2E-06	3.66E-07	2.30E-09	3.68E-07	1.14E-12	3.44E-12	1.99E-12	3.15E-14	7.61E-13	4.2E-14	8.34301E-13	2.639E-07	1.1004E-05	6.14E-06	9.47526E-13	1.10861E-13	5.8208E-13	2.27011E-14
466	570470.6	4178519	0.55, 41785	0.18113	0.14422	101.65142	39.2669	16.9419	5.47129	4.25353E-09	2.13E-11	4.27E-09	2.39E-06	5.79E-09	2.39E-06	3.98E-07	2.50E-09	4E-07	1.32E-12	3.98E-12	2.31E-12	3.64E-14	8.8E-13	4.86E-14	9.65233E-13	3.053E-07	1.1965E-05	6.67E-06	1.09623E-12	1.28259E-13	6.7343E-13	2.62638E-14
467	570510.6	4178519	0.55, 41785	0.21556	0.17373	112.42418	43.21366	18.73736	6.23491	5.06206E-09	2.56E-11	5.09E-09	2.64E-06	6.38E-09	2.65E-06	4.4E-07	2.77E-09	4.43E-07	1.57E-12	4.74E-12	2.74E-12	4.34E-14	1.05E-12	5.78E-14	1.14878E-12	3.634E-07	1.3232E-05	7.38E-06	1.30468E-12	1.52648E-13	8.01487E-13	3.1258E-14
468	570550.6	4178519	0.55, 41785	0.26244	0.21401	127.39838	48.06291	20.89373	7.26318	6.16296E-09	3.16E-11	6.19E-09	2.99E-06	7.09E-09	3E-06	4.91E-07	3.08E-09	4.94E-07	1.91E-12	5.77E-12	3.34E-12	5.28E-14	1.28E-12	7.04E-14	1.3987E-12	4.425E-07	1.4994E-05	8.23E-06	1.58852E-12	1.85857E-13	9.75853E-13	3.80583E-14
469	570590.6	4178519	0.55, 41785	0.32438	0.26815	146.74921	52.55391	23.05175	8.49659	7.61752E-09	3.96E-11	7.66E-09	3.45E-06	7.76E-09	3.45E-06	5.41E-07	3.40E-09	5.45E-07	2.36E-12	7.13E-12	4.13E-12	6.53E-14	1.58E-12	8.7E-14	1.72893E-12	5.469E-07	1.727E-05	9.08E-06	1.96357E-12	2.29738E-13	1.20625E-12	4.70439E-14
470	570630.6	4178519	0.55, 41785	0.41604	0.34788	170.82398	60.03664	25.41079	10.076	9.77E-09	5.13E-11	9.82E-09	4.01E-06	8.86E-09	4.02E-06	5.97E-07	3.75E-09	6E-07	3.03E-12	9.15E-12	5.3E-12	8.37E-14	2.02E-12	1.12E-13	2.21761E-12	7.015E-07	2.0102E-05	1E-05	2.51857E-12	2.94672E-13	1.5472E-12	6.03407E-14
471	570670.6	4178519	0.55, 41785	0.56352	0.47347	210.6175	71.54419	27.95974	12.2085	1.32333E-08	6.99E-11	1.33E-08	4.95E-06	1.06E-08	4.96E-06	6.57E-07	4.13E-09	6.61E-07	4.11E-12	1.24E-11	7.18E-12	1.13E-13	2.74E-12	1.51E-13	3.0038E-12	9.502E-07	2.4783E-05	1.1E-05	3.41145E-12	3.99139E-13	2.09571E-12	8.17326E-14
472	570710.6	4178519	0.55, 41785	0.82936	0.69158	257.30872	94.91316	32.16359	16.3308	1.94761E-08	1.02E-10	1.96E-08	6.04E-06	1.40E-08	6.06E-06	7.55E-07	4.75E-09	7.6E-07	6.04E-12	1.82E-11	1.06E-11	1.67E-13	4.03E-12	2.22E-13	4.42066E-12	1.398E-06	3.0282E-05	1.27E-05	5.0206E-12	5.8741E-13	3.08423E-12	1.20285E-13
473	570750.6	4178519	0.55, 41785	1.36529	1.13262	327.60111	130.96882	45.80096	29.91109	3.20615E-08	1.67E-10	3.22E-08	7.69E-06	1.93E-08	7.71E-06	1.08E-06	6.76E-09	1.08E-06	9.95E-12	3E-11	1.74E-11	2.75E-13	6.64E-12	3.66E-13	7.27708E-12	2.302E-06	3.8562E-05	1.8E-05	8.26467E-12	9.66966E-13	5.07712E-12	1.98008E-13
474	570790.6	4178519	0.55, 41785	2.09469	1.90095	339.24086	174.34023	59.4987	49.70987	4.91903E-08	2.81E-10	4.95E-08	7.97E-06	2.57E-08	7.99E-06	1.4E-06	8.78E-09	1.41E-06	1.53E-11	4.61E-11	2.67E-11	4.22E-13	1.02E-11	5.62E-13	1.11703E-11	3.534E-06	3.9961E-05	2.34E-05	1.26862E-11	1.48429E-12	7.79334E-12	3.0394E-13
475	570990.6	4178519	0.55, 41785	30.9381	16.28557	1645.60932	278.46944	444.29015	131.46412	7.26529E-07	2.40E-09	7.29E-07	3.86E-05	4.11E-08	3.87E-05	1.04E-05	6.56E-08	1.05E-05	2.25E-10	6.79E-10	3.93E-10	6.21E-12	1.5E-10	8.28E-12	1.64589E-10	5.207E-05	0.00019343	0.000175	1.86926E-10	2.18704E-11	1.14832E-10	4.47844E-12
476	571030.6	4178519	0.55, 41785	10.39533	8.05295	575.07494	188.36146	130.51861	75.45666	2.44117E-07	1.19E-09	2.45E-07	1.35E-05	2.78E-08	1.35E-05	3.07E-06	1.93E-08	3.08E-06	7.57E-11	2.29E-10	1.32E-10	2.09E-12	5.05E-11	2.79E-12	5.53887E-11	1.752E-05	6.7662E-05	5.14E-05	6.29057E-11	7.35996E-12	3.8644E-11	1.50711E-12
477	571070.6	4178519	0.55, 41785	5.62777	5.38206	327.13066	151.27996	61.45445	56.79768	1.32159E-07	7.94E-10	1.33E-07	7.68E-06	2.23E-08	7.7E-06	1.44E-06	9.07E-09	1.45E-06	4.1E-11	1.24E-10	7.17E-11	1.13E-12	2.74E-11	1.51E-12	3.00201E-11	9.497E-06	3.8522E-05	2.42E-05	3.40942E-11	3.98902E-12	2.09446E-11	8.16841E-13
478	571110.6	4178519	0.55, 41785	3.70135	3.92679	194.51307	130.68512	41.68788	44.49195	8.692E-08	5.79E-10	8.75E-08	4.57E-06	1.93E-08	4.59E-06	9.79E-07	6.15E-09	9.85E-07	2.7E-11	8.15E-11	4.72E-11	7.46E-13	1.8E-11	9.94E-13	1.9757E-11	6.25E-06	2.2935E-05	1.64E-05	2.24382E-11	2.62527E-12	1.37842E-11	5.37582E-13
479	571150.6	4178519	0.55, 41785	2.69329	3.00723	208.02281	103.35418	30.40761	37.50867	6.32474E-08	4.44E-10	6.37E-08	4.89E-06	1.53E-08	4.9E-06	7.14E-07	4.49E-09	7.19E-07	1.97E-11	5.93E-11	3.44E-11	5.43E-13	1.31E-11	7.23E-13	1.43812E-11	4.549E-06	2.4502E-05	1.2E-05	1.63329E-11	1.91094E-12	1.00335E-11	3.91308E-13
480	571190.6	4178519	0.55, 41785	2.08526	2.38411	205.94825	100.14217	32.90062	31.32752	4.89688E-08	3.52E-10	4.93E-08	4.84E-06	1.48E-08	4.85E-06	7.73E-07	4.86E-09	7.77E-07	1.52E-11	4.6E-11	2.66E-11	4.2E-13	1.02E-11	5.6E-13	1.11364E-11	3.523E-06	2.4256E-05	1.3E-05	1.26477E-11	1.47978E-12	7.76969E-12	3.03018E-13
481	571230.6	4178519	0.55, 41785	1.66362	1.91731	215.41751	83.66277	30.77393	25.17962	3.90673E-08	2.83E-10	3.94E-08	5.06E-06	1.23E-08	5.07E-06	7.23E-07	4.54E-09	7.27E-07	1.21E-11	3.67E-11	2.12E-11	3.35E-13	8.1E-12	4.47E-13	8.8851E-12	2.811E-06	2.5355E-05	1.21E-05	1.00909E-11	1.18064E-12	6.19901E-12	2.41761E-13
482	571270.6	4178519	0.55, 41785	1.38104	1.58176	194.90891	74.63088	31.16799	21.56574	3.24314E-08	2.33E-10	3.27E-08	4.58E-06	1.10E-08	4.59E-06	7.32E-07	4.60E-09	7.37E-07	1.01E-11	3.04E-11	1.76E-11	2.78E-13	6.73E-12	3.71E-13	7.37556E-12	2.333E-06	2.2941E-05	1.23E-05	8.37651E-12	9.80052E-13	5.14583E-12	2.00687E-13
483	571310.6	4178519	0.55, 41785	1.18628	1.33473	227.7435	74.01926	34.0231	18.88588	2.78578E-08	1.97E-10	2.81E-08	5.35E-06	1.09E-08	5.36E-06	7.99E-07	5.02E-09	8.04E-07	8.66E-12	2.61E-11	1.51E-11	2.39E-13	5.78E-12	3.19E-13	6.33463E-12	2.004E-06	2.6795E-05	1.34E-05	7.19431E-12	8.41735E-13	4.41958E-12	1.72364E-13
484	571350.6	4178519	0.55, 41785	1.02794	1.1349	186.21806	66.32591	28.09378	16.3212	2.41394E-08	1.67E-10	2.43E-08	4.37E-06	9.79E-09	4.38E-06	6.6E-07	4.15E-09	6.64E-07	7.5E-12	2.26E-11	1.31E-11	2.07E-13	5.01E-12	2.76E-13	5.48839E-12	1.736E-06	2.1914E-05	1.11E-05	6.23323E-12	7.29287E-13	3.82917E-12	1.49338E-13
485	571390.6	4178519	0.55, 41785	0.88898	0.96986	165.64096	58.31983	23.55305	14.40747	2.08762E-08	1.43E-10	2.1E-08	3.89E-06	8.61E-09	3.9E-06	5.53E-07	3.48E-09	5.57E-07	6.49E-12	1.96E-11	1.13E-11	1.79E-13	4.33E-12	2.39E-13	4.74606E-12	1.501E-06	1.9492E-05	9.28E-06	5.39016E-12	6.30649E-13	3.31126E-12	1.29139E-13
486	571430.6	4178519	0.55, 41785	0.7696	0.83467	166.81635	54.79876	23.72844	12.50769	1.80728E-08	1.23E-10	1.82E-08	3.92E-06	8.09E-09	3.93E-06	5.57E-07	3.50E-09	5.61E-07	5.61E-12	1.7E-11	9.81E-12	1.55E-13	3.75E-12	2.07E-13	4.10855E-12	1.3E-06	1.9627E-05	9.35E-06	4.66613E-12	5.45938E-13	2.86648E-12	1.11793E-13
487	571470.6	4178519	0.55, 41785	0.67066	0.72494	138.40145	51.97552	19.82816	10.73341	1.57493E-08	1.07E-10	1.59E-08	3.25E-06	7.67E-09	3.26E-06	4.66E-07	2.93E-09	4.69E-07	4.89E-12	1.48E-11	8.55E-12	1.35E-13	3.26E-12	1.8E-13	3.58028E-12	1.133E-06	1.6289E-05	7.81E-06	4.06616E-12	4.75741E-13	2.49791E-12	9.74185E-14
488	571510.6	4178519	0.55, 41785	0.58987	0.63439	93.94363	49.66848	13.736	9.50533	1.38521E-08	9.36E-11	1.39E-08	2.21E-06	7.33E-09	2.21E-06	3.23E-07	2.03E-09	3.25E-07	4.3E-12	1.3E-11	7.52E-12	1.19E-13	2.87E-12	1.58E-13	3.14888E-12	9.961E-07	1.1067E-05	5.41E-06	3.57622E-12	4.18417E-13	2.19693E-12	8.56802E-14
489	571550.6	4178519	0.55, 41785	0.52422	0.55926	64.7066	47.53612	9.81761	8.44297	1.23104E-08	8.25E-11	1.24E-08	1.52E-06	7.01E-09	1.53E-06	2.31E-07	1.45E-09	2.32E-07	3.82E-12	1.15E-11	6.68E-12	1.06E-13	2.55E-12	1.41E-13	2.79827E-12	8.852E-07	7.6327E-06	3.87E-06	3.17803E-12	3.71829E-13	1.95231E-12	7.61403E-14
490	571590.6	4178519	0.55, 41785	0.47148	0.49721	75.39988	45.27823	9.54319	7.49343	1.10719E-08	7.34E-11	1.11E-08	1.77E-06	6.68E-09	1.78E-06	2.24E-07	1.41E-09	2.26E-07	3.44E-12	1.04E-11	6.01E-12	9.5E-14	2.29E-12	1.27E-13	2.51655E-12	7.961E-07	8.8866E-06	3.76E-06	2.85808E-12	3.34395E-13	1.75576E-12	6.84748E-14
491	570310.6	4178559	0.55, 41785	0.10731	0.08405	76.80272	30.54078	12.80045	4.19275	2.51999E-09	1.24E-11	2.53E-09	1.8E-06	4.51E-09	1.81E-06	3.01E-07	1.89E-09	3.02E-07	7.81E-13	2.36E-12	1.37E-12	2.16E-14	5.21E-13	2.88E-14	5.71803E-13	1.809E-07	9.0404E-06	5.04E-06	6.49404E-13	7.59803E-14	3.98939E-13	1.55586E-14
492	570350.6	4178559	0.55, 41785	0.11907	0.09438	82.9813	31.5625	13.39224	4.31782	2.79616E-09	1.39E-11	2.81E-09	1.95E-06	4.66E-09	1.95E-06	3.14E-07	1.98E-09	3.16E-07	8.67E-13	2.62E-12	1.52E-12	2.4E-14	5.79E-13	3.19E-14	6.34504E-13	2.007E-07	9.7667E-06	5.27E-06	7.20614E-13	8.43118E-14	4.42685E-13	1.72647E-14
493	570390.6	4178559	0.55, 41785	0.1339	0.10748	90.55746	32.83588	14.07263	4.47793	3.14442E-09	1.59E-11	3.16E-09	2.13E-06	4.85E-09	2.13E-06	3.3E-07	2.08E-09	3.33E-07	9.75E-13	2.94E-12	1.7E-12	2.69E-14	6.51E-13	3.59E-14	7.13575E-13	2.257E-07	1.0657E-05	5.54E-06	8.10416E-13	9.48187E-14	4.97852E-13	1.94162E-14
494	570430.6	4178559	0.55, 41785	0.15297	0.12443	99.07784	34.42492	14.88754	4.68196	3.59224E-09	1.84E-11	3.61E-09	2.33E-06	5.08E-09	2.33E-06	3.5E-07	2.20E-09	3.52E-07	1.11E-12	3.36E-12	1.95E-12	3.08E-14	7.43E-13	4.1E-14	8.15257E-13	2.579E-07	1.1659E-05	5.86E-06	9.25898E-13	1.0833E-13	5.68794E-13	2.2183E-14
495	570470.6	4178559	0.55, 41785	0.17711	0.14611	108.3811	37.13833	15.68816	5.10948	4.15913E-09	2.16E-11	4.18E-09	2.55E-06	5.48E-09	2.55E-06	3.68E-07	2.32E-09	3.71E-07	1.29E-12	3.9E-12	2.25E-12	3.56E-14	8.61E-13	4.75E-14	9.4398E-13	2.986E-07	1.2753E-05	6.18E-06	1.07209E-12	1.25434E-13	6.58602E-13	2.56855E-14
496	570510.6	4178559	0.55, 41785	0.21022	0.1758	119.02071	41.74654	16.67371	5.7123	4.93666E-09	2.59E-11	4.96E-09	2.8E-06	6.16E-09	2.8E-06	3.92E-07	2.46E-09	3.94E-07	1.53E-12	4.62E-12	2.68E-12	4.23E-14	1.02E-12	5.64E-14	1.12053E-12	3.545E-07	1.4006E-05	6.57E-06	1.2726E-12	1.48894E-13	7.8178E-13	3.04894E-14
497	570550.6	4178559	0.55, 41785	0.25686	0.21737	138.81712	48.97119	17.78034	6.5378	6.03192E-09	3.21E-11	6.06E-09	3.26E-06	7.23E-09	3.27E-06	4.18E-07	2.62E-09	4.2E-07	1.87E-12	5.65E-12	3.27E-12	5.17E-14	1.25E-12	6.89E-14	1.36922E-12	4.331E-07	1.6336E-05	7E-06	1.55504E-12	1.8194E-13	9.55288E-13	3.72562E-14
498	570590.6	4178559	0.55, 41785	0.31921	0.27311	158.95656	55.69599	19.86957	7.90259	7.49611E-09	4.03E-11	7.54E-09	3.73E-06	8.22E-09	3.74E-06	4.67E-07	2.93E-09	4.7E-07	2.33E-12	7.02E-12	4.06E-12	6.42E-14	1.55E-12	8.56E-14	1.70169E-12	5.383E-07	1.8705E-05	7.83E-06	1.93263E-12	2.26117E-13	1.18724E-12	4.63025E-14
499	570630.6	4178559	0.55, 41785	0.41072	0.35398	180.38278	65.18573	22.54785	9.64997	9.64507E-09	5.22E-11	9.7E-09	4.24E-06	9.62E-09	4.25E-06	5.29E-07	3.33E-09	5.33E-07	2.99E-12	9.04E-12	5.23E-12	8.27E-14	2E-12	1.1E-13	2.18961E-12	6.927E-07	2.1228E-05	8.88E-06	2.48676E-12	2.90951E-13	1.52766E-12	5.95786E-14
500	570670.6	4178559	0.55, 41785	0.55178	0.47716	218.05495	85.23197	27.25687	14.02323	1.29576E-08	7.04E-11	1.3E-08	5.12E-06	1.26E-08	5.13E-06	6.4E-07	4.02E-09	6.44E-07	4.02E-12	1.21E-11	7.03E-12	1.11E-13	2.68E-12	1.48E-13	2.94167E-12	9.306E-07	2.5666E-05	1.07E-05	3.34089E-12	3.90884E-13	2.05236E-12	8.00421E-14
501	570710.6	4178559	0.55, 41785	0.78132	0.6809	244.71244	105.12049	32.595	21.74638	1.8348E-08	1.00E-10	1.84E-08	5.75E-06	1.55E-08	5.76E-06	7.65E-07	4.81E-09	7.7E-07	5.69E-12	1.72E-11	9.95E-12	1.57E-13	3.8E-12	2.1E-13	4.16558E-12	1.318E-06	2.8811E-05	1.28E-05	4.73089E-12	5.53515E-13	2.90626E-12	1.13344E-13
502	570750.6	4178559	0.55, 41785	1.13763	1.02831	276.33124	124.7524	39.47589	32.46528	2.67153E-08	1.52E-10	2.69E-08	6.49E-06	1.84E-08	6.51E-06	9.27E-07	5.83E-09	9.33E-07	8.29E-12	2.5E-11	1.45E-11	2.29E-13	5.53E-12	3.05E-13	6.06646E-12	1.919E-06	3.2538E-05	1.55E-05	6.88975E-12	8.061E-13	4.23248E-12	1.65067E-13
503	570790.6	4178559	0.55, 41785	1.48115	1.46435	285.306	157.20995	43.19026	42.97795	3.47823E-08	2.16E-10	3.5E-08	6.7E-06	2.32E-08	6.72E-06	1.01E-06	6.37E-09	1.02E-06	1.08E-11	3.26E-11	1.89E-11	2.98E-13	7.21E-12	3.98E-13	7.90247E-12	2.5E-06	3.3616E-05	1.7E-05	8.97493E-12	1.05007E-12	5.51345E-12	2.15024E-13
504	570830.6	4178559	0.55, 41785	2.67811	2.99292	342.02881	178.80856	66.23843	64.34565	6.28909E-08	4.42E-10	6.33E-08	8.03E-06	2.64E-08	8.06E-06	1.56E-06	9.77E-09	1.57E-06	1.95E-11	5.9E-11	3.42E-11	5.4E-13	1.3E-11	7.19E-13	1.43002E-11	4.524E-06	4.0292E-05	2.61E-05	1.62409E-11	1.90019E-12	9.97705E-12	3.89105E-13
505	570950.6	4178559	0.55, 41785	26.55575	12.00196	679.01352	318.67052	280.37281	116.3834	6.23617E-07	1.77E-09	6.25E-07	1.59E-05	4.70E-08	1.6E-05	6.58E-06	4.14E-08	6.63E-06	1.93E-10	5.83E-10	3.37E-10	5.33E-12	1.29E-10	7.1E-12	1.4121E-10	4.467E-05	7.9963E-05	0.00011	1.60374E-10	1.87637E-11	9.85201E-11	3.84228E-12
506	570990.6	4178559	0.55, 41785	10.52141	6.96087	639.29991	205.65266	133.52138	75.6432	2.47078E-07	1.03E-09	2.48E-07	1.5E-05	3.03E-08	1.5E-05	3.14E-06	1.97E-08	3.16E-06	7.66E-11	2.31E-10	1.34E-10	2.11E-12	5.11E-11	2.82E-12	5.60209E-11	1.772E-05	7.5216E-05	5.26E-05	6.36236E-11	7.44396E-12	3.9085E-11	1.52432E-12
507	571030.6	4178559	0.55, 41785	6.12086	4.69941	562.31532	143.87555	97.52112	53.65332	1.43738E-07	6.93E-10	1.44E-07	1.32E-05	2.12E-08	1.32E-05	2.29E-06	1.44E-08	2.3E-06	4.46E-11	1.35E-10	7.79E-11	1.23E-12	2.97E-11	1.64E-12	3.2612E-11	1.032E-05	6.6131E-05	3.84E-05	3.70378E-11	4.33342E-12	2.27529E-11	8.87364E-13
508	571070.6	4178559	0.55, 41785	4.00501	3.46908	291.75499	122.4909	69.10596	41.80504	9.40509E-08	5.12E-10	9.46E-08	6.85E-06	1.81E-08	6.87E-06	1.62E-06	1.02E-08	1.63E-06	2.92E-11	8.81E-11	5.1E-11	8.06E-13	1.95E-11	1.07E-12	2.13518E-11	6.754E-06	3.4347E-05	2.72E-05	2.42495E-11	2.8372E-12	1.48969E-11	5.80979E-13
509	571110.6	4178559	0.55, 41785	2.89394	2.70355	288.47324	105.99812	48.03981	36.46899	6.79593E-08	3.99E-10	6.84E-08	6.77E-06	1.56E-08	6.79E-06	1.13E-06	7.09E-09	1.14E-06	2.11E-11	6.37E-11	3.69E-11	5.83E-13	1.41E-11	7.76E-13	1.5435E-11	4.883E-06	3.395E-05	1.89E-05	1.75297E-11	2.05097E-12	1.07688E-11	4.19982E-13
510	571150.6	4178559	0.55, 41785	2.21115	2.17534	240.56187	97.79178	31.90722	30.3701	5.19251E-08	3.21E-10	5.22E-08	5.65E-06	1.44E-08	5.66E-06	7.49E-07	4.71E-09	7.54E-07	1.61E-11	4.87E-11	2.82E-11	4.45E-13	1.08E-11	5.93E-13	1.17969E-11	3.732E-06	2.8318E-05	1.26E-05	1.33979E-11	1.56756E-12	8.23056E-12	3.20992E-13
511	571190.6	4178559	0.55, 41785	1.76303	1.79806	177.14345	83.63267	24.55859	26.34777	4.14018E-08	2.65E-10	4.17E-08	4.16E-06	1.23E-08	4.17E-06	5.77E-07	3.62E-09	5.8E-07	1.29E-11	3.88E-11	2.25E-11	3.55E-13	8.58E-12	4.73E-13	9.40824E-12	2.976E-06	2.0861E-05	9.67E-06	1.0685E-11	1.25015E-12	6.564E-12	2.55996E-13
512	571230.6	4178559	0.55, 41785	1.44054	1.50665	192.87207	80.98435	29.09943	22.26218	3.38287E-08	2.22E-10	3.41E-08	4.53E-06	1.20E-08	4.54E-06	6.83E-07	4.29E-09	6.88E-07	1.05E-11	3.17E-11	1.84E-11	2.9E-13	7.01E-12	3.87E-13	7.68855E-12	2.432E-06	2.2706E-05	1.15E-05	8.73198E-12	1.02164E-12	5.3642E-12	2.09204E-13
513	571270.6	4178559	0.55, 41785	1.19178	1.27042	167.21575	71.42327	22.32638	19.23301	2.79869E-08	1.87E-10	2.82E-08	3.93E-06	1.05E-08	3.94E-06	5.24E-07	3.29E-09	5.28E-07	8.69E-12	2.63E-11	1.52E-11	2.4E-13	5.8E-12	3.2E-13	6.36165E-12	2.012E-06	1.9687E-05	8.79E-06	7.225E-12	8.45325E-13	4.43844E-12	1.73099E-13

514	571310.6	4178559	0.55, 41785	1.01245	1.08581	169.23295	65.49002	26.6418	16.91234	2.37757E-08	1.60E-10	2.39E-08	3.97E-06	9.66E-09	3.98E-06	6.26E-07	3.93E-09	6.3E-07	7.39E-12	2.23E-11	1.29E-11	2.04E-13	4.93E-12	2.72E-13	5.40462E-12	1.71E-06	1.9919E-05	1.05E-05	6.13809E-12	7.18156E-13	3.77073E-12	1.47058E-13
515	571350.6	4178559	0.55, 41785	0.8838	0.94242	194.09519	63.64749	28.90026	14.99354	2.07546E-08	1.39E-10	2.09E-08	4.56E-06	9.39E-09	4.57E-06	6.79E-07	4.26E-09	6.83E-07	6.45E-12	1.95E-11	1.13E-11	1.78E-13	4.3E-12	2.37E-13	4.71768E-12	1.492E-06	2.2837E-05	1.14E-05	5.35793E-12	6.26877E-13	3.29146E-12	1.28367E-13
516	571390.6	4178559	0.55, 41785	0.78025	0.82372	158.10154	57.98385	23.81897	12.89204	1.83229E-08	1.22E-10	1.84E-08	3.71E-06	8.56E-09	3.72E-06	5.59E-07	3.51E-09	5.63E-07	5.69E-12	1.72E-11	9.95E-12	1.57E-13	3.8E-12	2.1E-13	4.16466E-12	1.317E-06	1.8607E-05	9.38E-06	4.72985E-12	5.53393E-13	2.90563E-12	1.13319E-13
517	571430.6	4178559	0.55, 41785	0.68512	0.72115	137.68904	52.2569	18.93914	11.62385	1.60889E-08	1.06E-10	1.62E-08	3.23E-06	7.71E-09	3.24E-06	4.45E-07	2.79E-09	4.48E-07	5E-12	1.51E-11	8.74E-12	1.38E-13	3.33E-12	1.84E-13	3.65682E-12	1.157E-06	1.6206E-05	7.46E-06	4.1531E-12	4.85912E-13	2.55132E-12	9.95013E-14
518	571470.6	4178559	0.55, 41785	0.60049	0.63425	143.56241	49.93475	19.90478	10.29716	1.41015E-08	9.36E-11	1.42E-08	3.37E-06	7.37E-09	3.38E-06	4.67E-07	2.94E-09	4.7E-07	4.38E-12	1.32E-11	7.66E-12	1.21E-13	2.92E-12	1.61E-13	3.20518E-12	1.014E-06	1.6893E-05	7.84E-06	3.64017E-12	4.25899E-13	2.23621E-12	8.72123E-14
519	571510.6	4178559	0.55, 41785	0.52736	0.56045	131.02036	47.72087	18.26486	8.99798	1.23842E-08	8.27E-11	1.25E-08	3.08E-06	7.04E-09	3.08E-06	4.29E-07	2.70E-09	4.32E-07	3.85E-12	1.16E-11	6.72E-12	1.06E-13	2.57E-12	1.42E-13	2.81496E-12	8.905E-07	1.5419E-05	7.19E-06	3.19698E-12	3.74047E-13	1.96396E-12	7.65944E-14
520	571550.6	4178559	0.55, 41785	0.46874	0.49944	99.50634	45.73793	14.05158	8.03042	1.10076E-08	7.37E-11	1.11E-08	2.34E-06	6.75E-09	2.34E-06	3.3E-07	2.07E-09	3.32E-07	3.42E-12	1.03E-11	5.98E-12	9.45E-14	2.28E-12	1.26E-13	2.5021E-12	7.915E-07	1.1717E-05	5.53E-06	2.84166E-12	3.32475E-13	1.74568E-12	6.80815E-14
521	571590.6	4178559	0.55, 41785	0.42104	0.44786	63.39282	43.98321	9.17705	7.35207	9.88742E-09	6.61E-11	9.95E-09	1.49E-06	6.49E-09	1.5E-06	2.16E-07	1.35E-09	2.17E-07	3.07E-12	9.27E-12	5.37E-12	8.48E-14	2.05E-12	1.13E-13	2.24745E-12	7.11E-07	7.4758E-06	3.61E-06	2.55246E-12	2.98638E-13	1.56802E-12	6.11527E-14
522	570310.6	4178599	0.55, 41785	0.10507	0.08466	83.25071	28.48032	11.19876	3.62883	2.46739E-09	1.25E-11	2.48E-09	1.96E-06	4.20E-09	1.96E-06	2.63E-07	1.65E-09	2.65E-07	7.65E-13	2.31E-12	1.34E-12	2.11E-14	5.11E-13	2.82E-14	5.59946E-13	1.771E-07	9.796E-06	4.41E-06	6.35938E-13	7.44047E-14	3.90667E-13	1.5236E-14
523	570350.6	4178599	0.55, 41785	0.11716	0.09561	88.57329	30.33455	11.44069	3.79182	2.75131E-09	1.41E-11	2.77E-09	2.08E-06	4.48E-09	2.08E-06	2.69E-07	1.69E-09	2.7E-07	8.53E-13	2.58E-12	1.49E-12	2.36E-14	5.69E-13	3.14E-14	6.24417E-13	1.975E-07	1.0422E-05	4.51E-06	7.09158E-13	8.29715E-14	4.35647E-13	1.69903E-14
524	570390.6	4178599	0.55, 41785	0.13131	0.10865	93.2639	32.45644	11.65799	4.05706	3.08359E-09	1.60E-11	3.1E-09	2.19E-06	4.79E-09	2.19E-06	2.74E-07	1.72E-09	2.75E-07	9.56E-13	2.89E-12	1.67E-12	2.64E-14	6.38E-13	3.52E-14	6.99881E-13	2.214E-07	1.0975E-05	4.59E-06	7.94863E-13	9.2999E-14	4.88297E-13	1.90436E-14
525	570430.6	4178599	0.55, 41785	0.15022	0.126	103.53542	36.02365	12.94193	4.50296	3.52766E-09	1.86E-11	3.55E-09	2.43E-06	5.32E-09	2.44E-06	3.04E-07	1.91E-09	3.06E-07	1.09E-12	3.3E-12	1.91E-12	3.02E-14	7.3E-13	4.03E-14	8.00728E-13	2.533E-07	1.2183E-05	5.1E-06	9.09396E-13	1.06399E-13	5.58657E-13	2.17876E-14
526	570470.6	4178599	0.55, 41785	0.17421	0.14819	115.63183	39.91557	14.45398	5.34922	4.09103E-09	2.19E-11	4.11E-09	2.72E-06	5.89E-09	2.72E-06	3.39E-07	2.13E-09	3.42E-07	1.27E-12	3.83E-12	2.22E-12	3.51E-14	8.47E-13	4.67E-14	9.28672E-13	2.938E-07	1.3607E-05	5.69E-06	1.0547E-12	1.234E-13	6.47922E-13	2.5269E-14
527	570510.6	4178599	0.55, 41785	0.20799	0.17912	128.15759	44.54205	16.0197	6.36274	4.88429E-09	2.64E-11	4.91E-09	3.01E-06	6.57E-09	3.02E-06	3.76E-07	2.36E-09	3.79E-07	1.52E-12	4.58E-12	2.65E-12	4.19E-14	1.01E-12	5.58E-14	1.10882E-12	3.508E-07	1.5081E-05	6.31E-06	1.2593E-12	1.47338E-13	7.73608E-13	3.01707E-14
528	570550.6	4178599	0.55, 41785	0.25382	0.22088	141.74172	51.90419	17.71771	7.41488	5.96054E-09	3.26E-11	5.99E-09	3.33E-06	7.66E-09	3.34E-06	4.16E-07	2.61E-09	4.19E-07	1.85E-12	5.58E-12	3.23E-12	5.11E-14	1.23E-12	6.81E-14	1.35322E-12	4.281E-07	1.6681E-05	6.98E-06	1.53687E-12	1.79814E-13	9.44123E-13	3.68208E-14
529	570590.6	4178599	0.55, 41785	0.31442	0.27626	161.8077	62.94071	20.22596	8.27119	7.38362E-09	4.08E-11	7.42E-09	3.8E-06	9.29E-09	3.81E-06	4.75E-07	2.98E-09	4.78E-07	2.29E-12	6.92E-12	4E-12	6.33E-14	1.53E-12	8.43E-14	1.67639E-12	5.303E-07	1.9045E-05	7.97E-06	1.9039E-12	2.22756E-13	1.1696E-12	4.56142E-14
530	570630.6	4178599	0.55, 41785	0.39904	0.35395	187.04764	77.01967	23.38095	12.20463	9.37078E-09	5.22E-11	9.42E-09	4.39E-06	1.14E-08	4.4E-06	5.49E-07	3.45E-09	5.53E-07	2.91E-12	8.78E-12	5.08E-12	8.03E-14	1.94E-12	1.07E-13	2.12767E-12	6.731E-07	2.2019E-05	9.21E-06	2.41642E-12	2.82721E-13	1.48445E-12	5.78935E-14
531	570670.6	4178599	0.55, 41785	0.52025	0.46779	203.91154	89.67976	27.18561	17.16092	1.22172E-08	6.90E-11	1.23E-08	4.79E-06	1.32E-08	4.8E-06	6.38E-07	4.01E-09	6.42E-07	3.79E-12	1.14E-11	6.63E-12	1.05E-13	2.53E-12	1.4E-13	2.77417E-12	8.776E-07	2.4009E-05	1.07E-05	3.15066E-12	3.68627E-13	1.9355E-12	7.54846E-14
532	570710.6	4178599	0.55, 41785	0.68748	0.63563	226.5911	101.22552	32.37016	22.387	1.61443E-08	9.38E-11	1.62E-08	5.32E-06	1.49E-08	5.34E-06	7.6E-07	4.78E-09	7.65E-07	5.01E-12	1.51E-11	8.76E-12	1.38E-13	3.34E-12	1.84E-13	3.66649E-12	1.16E-06	2.668E-05	1.27E-05	4.16407E-12	4.87197E-13	2.55806E-12	9.97643E-14
533	570750.6	4178599	0.55, 41785	0.91976	0.89022	243.41497	114.05895	34.77357	31.00996	2.1599E-08	1.31E-10	2.17E-08	5.72E-06	1.68E-08	5.73E-06	8.17E-07	5.13E-09	8.22E-07	6.71E-12	2.02E-11	1.17E-11	1.85E-13	4.47E-12	2.47E-13	4.90662E-12	1.552E-06	2.8665E-05	1.37E-05	5.5725E-12	6.51983E-13	3.42328E-12	1.33508E-13
534	570790.6	4178599	0.55, 41785	1.20615	1.22781	261.32328	130.44037	39.31654	39.06207	2.83244E-08	1.81E-10	2.85E-08	6.14E-06	1.92E-08	6.16E-06	9.23E-07	5.80E-09	9.29E-07	8.8E-12	2.66E-11	1.54E-11	2.43E-13	5.87E-12	3.24E-13	6.43643E-12	2.036E-06	3.078E-05	1.55E-05	7.30993E-12	8.55261E-13	4.49061E-12	1.75134E-13
535	570830.6	4178599	0.55, 41785	1.86035	2.06593	307.79075	158.37727	57.33573	51.17396	4.36872E-08	3.05E-10	4.4E-08	7.23E-06	2.34E-08	7.25E-06	1.35E-06	8.46E-09	1.35E-06	1.36E-11	4.1E-11	2.37E-11	3.75E-13	9.06E-12	5E-13	9.9332E-12	3.142E-06	3.6257E-05	2.26E-05	1.12812E-11	1.31991E-12	6.93025E-12	2.7028E-13
536	570870.6	4178599	0.55, 41785	2.81953	3.8452	429.66876	238.19724	77.96533	87.47681	6.62119E-08	5.67E-10	6.68E-08	1.01E-05	3.52E-08	1.01E-05	1.83E-06	1.15E-08	1.84E-06	2.06E-11	6.22E-11	3.6E-11	5.69E-13	1.38E-11	7.59E-13	1.50785E-11	4.77E-06	5.0626E-05	3.07E-05	1.71248E-11	2.0036E-12	1.052E-11	4.10281E-13
537	570910.6	4178599	0.55, 41785	4.21414	6.38342	555.65098	273.48442	124.98504	103.73159	9.8962E-08	9.42E-10	9.99E-08	1.3E-05	4.04E-08	1.31E-05	2.94E-06	1.84E-08	2.95E-06	3.08E-11	9.31E-11	5.39E-11	8.52E-13	2.06E-11	1.13E-12	2.25578E-11	7.136E-06	6.5444E-05	4.92E-05	2.56192E-11	2.99745E-12	1.57383E-11	6.13794E-13
538	570950.6	4178599	0.55, 41785	4.59898	4.54538	563.80012	195.03038	96.52509	58.5202	1.07999E-07	6.71E-10	1.09E-07	1.32E-05	2.88E-08	1.33E-05	2.27E-06	1.42E-08	2.28E-06	3.35E-11	1.01E-10	5.86E-11	9.26E-13	2.24E-11	1.23E-12	2.45372E-11	7.762E-06	6.6343E-05	3.8E-05	2.78672E-11	3.26046E-12	1.71193E-11	6.67651E-13
539	570990.6	4178599	0.55, 41785	3.82228	3.4158	387.45867	157.86758	74.93195	45.58999	8.97598E-08	5.04E-10	9.03E-08	9.1E-06	2.33E-08	9.12E-06	1.76E-06	1.11E-08	1.77E-06	2.79E-11	8.41E-11	4.87E-11	7.69E-13	1.86E-11	1.03E-12	2.03812E-11	6.447E-06	4.5611E-05	2.95E-05	2.31471E-11	2.70821E-12	1.42197E-11	5.54566E-13
540	571030.6	4178599	0.55, 41785	3.02247	2.69987	442.17309	124.03841	67.82636	38.72372	7.09776E-08	3.98E-10	7.14E-08	1.04E-05	1.83E-08	1.04E-05	1.59E-06	1.00E-08	1.6E-06	2.2E-11	6.65E-11	3.85E-11	6.08E-13	1.47E-11	8.11E-13	1.61164E-11	5.098E-06	5.201E-05	2.67E-05	1.83036E-11	2.14152E-12	1.12442E-11	4.38523E-13
541	571070.6	4178599	0.55, 41785	2.43201	2.20804	323.32852	105.96293	49.87717	32.54487	5.71117E-08	3.26E-10	5.74E-08	7.59E-06	1.56E-08	7.61E-06	1.17E-06	7.36E-09	1.18E-06	1.77E-11	5.35E-11	3.1E-11	4.9E-13	1.18E-11	6.52E-13	1.29691E-11	4.103E-06	3.8042E-05	1.96E-05	1.47292E-11	1.72331E-12	9.04837E-12	3.52887E-13
542	571110.6	4178599	0.55, 41785	1.9361	1.83698	285.52756	89.63178	42.26506	28.59229	4.5466E-08	2.71E-10	4.57E-08	6.71E-06	1.32E-08	6.72E-06	9.93E-07	6.24E-09	9.99E-07	1.41E-11	4.26E-11	2.47E-11	3.9E-13	9.42E-12	5.2E-13	1.03272E-11	3.267E-06	3.3592E-05	1.66E-05	1.17288E-11	1.37226E-12	7.20516E-12	2.81001E-13
543	571150.6	4178599	0.55, 41785	1.58315	1.55537	182.41041	88.91432	29.75311	25.20352	3.71776E-08	2.30E-10	3.74E-08	4.28E-06	1.31E-08	4.3E-06	6.99E-07	4.39E-09	7.03E-07	1.15E-11	3.49E-11	2.02E-11	3.19E-13	7.7E-12	4.25E-13	8.44635E-12	2.672E-06	2.1484E-05	1.17E-05	9.59262E-12	1.12234E-12	5.8929E-12	2.29823E-13
544	571190.6	4178599	0.55, 41785	1.33739	1.33597	189.26194	77.8274	24.55337	21.99349	3.14064E-08	1.97E-10	3.16E-08	4.44E-06	1.15E-08	4.46E-06	5.77E-07	3.62E-09	5.8E-07	9.75E-12	2.94E-11	1.7E-11	2.69E-13	6.51E-12	3.59E-13	7.13592E-12	2.257E-06	2.228E-05	9.67E-06	8.10435E-12	9.48209E-13	4.97863E-12	1.94167E-13
545	571230.6	4178599	0.55, 41785	1.14183	1.1549	177.02423	70.01737	25.42204	18.83046	2.6814E-08	1.70E-10	2.7E-08	4.16E-06	1.03E-08	4.17E-06	5.97E-07	3.75E-09	6.01E-07	8.33E-12	2.51E-11	1.46E-11	2.3E-13	5.56E-12	3.07E-13	6.09294E-12	1.927E-06	2.0837E-05	1E-05	6.91983E-12	8.0962E-13	4.25096E-12	1.65788E-13
546	571270.6	4178599	0.55, 41785	0.97959	1.00523	160.46118	68.49541	22.92303	16.81937	2.3004E-08	1.48E-10	2.32E-08	3.77E-06	1.01E-08	3.78E-06	5.38E-07	3.38E-09	5.42E-07	7.14E-12	2.16E-11	1.25E-11	1.97E-13	4.77E-12	2.63E-13	5.22769E-12	1.654E-06	1.8891E-05	9.03E-06	5.93715E-12	6.94647E-13	3.64729E-12	1.42244E-13
547	571310.6	4178599	0.55, 41785	0.84011	0.87488	131.92842	62.86665	16.49105	15.16442	1.97286E-08	1.29E-10	1.99E-08	3.1E-06	9.28E-09	3.11E-06	3.87E-07	2.43E-09	3.9E-07	6.13E-12	1.85E-11	1.07E-11	1.69E-13	4.09E-12	2.26E-13	4.48377E-12	1.418E-06	1.5537E-05	6.49E-06	5.09227E-12	5.95795E-13	3.12826E-12	1.22002E-13
548	571350.6	4178599	0.55, 41785	0.73896	0.77159	149.85158	58.69155	22.55392	13.49962	1.73532E-08	1.14E-10	1.75E-08	3.52E-06	8.66E-09	3.53E-06	5.3E-07	3.33E-09	5.33E-07	5.39E-12	1.63E-11	9.42E-12	1.49E-13	3.6E-12	1.98E-13	3.94399E-12	1.248E-06	1.7638E-05	8.88E-06	4.47923E-12	5.2407E-13	2.75167E-12	1.07315E-13
549	571390.6	4178599	0.55, 41785	0.661	0.68563	168.50279	56.32456	24.41155	12.10471	1.55225E-08	1.01E-10	1.56E-08	3.96E-06	8.31E-09	3.97E-06	5.73E-07	3.60E-09	5.77E-07	4.82E-12	1.46E-11	8.43E-12	1.33E-13	3.22E-12	1.77E-13	3.52775E-12	1.116E-06	1.9827E-05	9.61E-06	4.0065E-12	4.68761E-13	2.46126E-12	9.59891E-14
550	571430.6	4178599	0.55, 41785	0.59511	0.61204	136.17098	51.76249	20.03651	10.61326	1.39752E-08	9.03E-11	1.41E-08	3.2E-06	7.64E-09	3.21E-06	4.71E-07	2.96E-09	4.73E-07	4.34E-12	1.31E-11	7.59E-12	1.2E-13	2.9E-12	1.6E-13	3.17592E-12	1.005E-06	1.6027E-05	7.89E-06	3.60693E-12	4.2201E-13	2.21579E-12	8.6416E-14
551	571470.6	4178599	0.55, 41785	0.53051	0.54561	117.9441	47.17442	16.84916	9.40387	1.24581E-08	8.05E-11	1.25E-08	2.77E-06	6.96E-09	2.78E-06	3.96E-07	2.49E-09	3.98E-07	3.87E-12	1.17E-11	6.76E-12	1.07E-13	2.58E-12	1.42E-13	2.83117E-12	8.956E-07	1.3883E-05	6.64E-06	3.21539E-12	3.76201E-13	1.97527E-12	7.70354E-14
552	571510.6	4178599	0.55, 41785	0.47218	0.48877	120.07824	45.51387	16.38718	8.49605	1.10884E-08	7.21E-11	1.12E-08	2.82E-06	6.72E-09	2.83E-06	3.85E-07	2.42E-09	3.87E-07	3.44E-12	1.04E-11	6.02E-12	9.51E-14	2.3E-12	1.27E-13	2.51998E-12	7.972E-07	1.4133E-05	6.45E-06	2.86197E-12	3.34851E-13	1.75816E-12	6.85681E-14
553	571550.6	4178599	0.55, 41785	0.42043	0.43954	119.99429	43.92883	16.43506	7.56489	9.87309E-09	6.49E-11	9.94E-09	2.82E-06	6.48E-09	2.82E-06	3.86E-07	2.43E-09	3.88E-07	3.07E-12	9.26E-12	5.36E-12	8.47E-14	2.05E-12	1.13E-13	2.24394E-12	7.099E-07	1.4122E-05	6.47E-06	2.54847E-12	2.98171E-13	1.56557E-12	6.10571E-14
554	571590.6	4178599	0.55, 41785	0.37632	0.39688	100.33698	42.40478	13.86046	7.00095	8.83724E-09	5.86E-11	8.9E-09	2.36E-06	6.26E-09	2.36E-06	3.25E-07	2.05E-09	3.28E-07	2.75E-12	8.29E-12	4.8E-12	7.58E-14	1.83E-12	1.01E-13	2.00863E-12	6.354E-07	1.1813E-05	5.46E-06	2.28123E-12	2.66903E-13	1.40139E-12	5.46544E-14
555	570310.6	4178639	0.55, 41786	0.10356	0.08559	83.92303	29.66661	10.49038	3.70833	2.43193E-09	1.26E-11	2.44E-09	1.97E-06	4.38E-09	1.98E-06	2.46E-07	1.55E-09	2.48E-07	7.54E-13	2.28E-12	1.32E-12	2.08E-14	5.03E-13	2.78E-14	5.51971E-13	1.746E-07	9.8758E-06	4.13E-06	6.2688E-13	7.33449E-14	3.85102E-13	1.5019E-14
556	570350.6	4178639	0.55, 41786	0.1161	0.09716	92.63397	32.60646	11.57925	4.08084	2.72641E-09	1.43E-11	2.74E-09	2.18E-06	4.81E-09	2.18E-06	2.72E-07	1.71E-09	2.74E-07	8.46E-13	2.55E-12	1.48E-12	2.34E-14	5.64E-13	3.11E-14	6.18848E-13	1.958E-07	1.0901E-05	4.56E-06	7.02834E-13	8.22315E-14	4.31762E-13	1.68387E-14
557	570390.6	4178639	0.55, 41786	0.13068	0.11086	100.54346	34.97331	12.56793	4.70976	3.0688E-09	1.64E-11	3.09E-09	2.36E-06	5.16E-09	2.37E-06	2.95E-07	1.85E-09	2.97E-07	9.52E-13	2.87E-12	1.66E-12	2.63E-14	6.35E-13	3.5E-14	6.96614E-13	2.204E-07	1.1831E-05	4.95E-06	7.91153E-13	9.25649E-14	4.86018E-13	1.89547E-14
558	570430.6	4178639	0.55, 41786	0.14929	0.12834	107.49924	37.52244	13.4374	5.36035	3.50582E-09	1.89E-11	3.52E-09	2.52E-06	5.54E-09	2.53E-06	3.16E-07	1.98E-09	3.18E-07	1.09E-12	3.28E-12	1.9E-12	3E-14	7.26E-13	4E-14	7.95875E-13	2.518E-07	1.265E-05	5.29E-06	9.03884E-13	1.05754E-13	5.55271E-13	2.16556E-14
559	570470.6	4178639	0.55, 41786	0.17443	0.15183	116.62505	42.4162	14.57813	6.05946	4.09619E-09	2.24E-11	4.12E-09	2.74E-06	6.26E-09	2.75E-06	3.42E-07	2.15E-09	3.44E-07	1.27E-12	3.84E-12	2.22E-12	3.51E-14	8.48E-13	4.68E-14	9.2996E-13	2.942E-07	1.3725E-05	5.74E-06	1.05617E-12	1.23572E-13	6.48821E-13	2.5304E-14
560	570510.6	4178639	0.55, 41786	0.20768	0.18277	127.00459	48.18252	15.87557	6.71257	4.87702E-09	2.70E-11	4.9E-09	2.98E-06	7.11E-09	2.99E-06	3.73E-07	2.34E-09	3.75E-07	1.51E-12	4.57E-12	2.65E-12	4.18E-14	1.01E-12	5.57E-14	1.1073E-12	3.503E-07	1.4948E-05	6.25E-06	1.25757E-12	1.47136E-13	7.72546E-13	3.01293E-14
561	570550.6	4178639	0.55, 41786	0.2504	0.22269	148.76746	59.99627	18.59593	7.58374	5.88022E-09	3.29E-11	5.91E-09	3.49E-06	8.85E-09	3.5E-06	4.37E-07	2.74E-09	4.39E-07	1.82E-12	5.51E-12	3.19E-12	5.04E-14	1.22E-12	6.72E-14	1.33515E-12	4.224E-07	1.7512E-05	7.32E-06	1.51634E-12	1.77412E-13	9.31513E-13	3.6329E-14
562	570590.6	4178639	0.55, 41786	0.30521	0.27478	162.38276	69.4472	20.29784	10.74133	7.16734E-09	4.05E-11	7.21E-09	3.81E-06	1.02E-08	3.82E-06	4.77E-07	3.00E-09	4.8E-07	2.22E-12	6.72E-12	3.89E-12	6.14E-14	1.48E-12	8.19E-14	1.62751E-12	5.148E-07	1.9118E-05	7.99E-06	1.84838E-12	2.1626E-13	1.13549E-12	4.42841E-14
563	570630.6	4178639	0.55, 41786	0.37839	0.34592	177.15033	78.68271	23.7109	14.16715	8.88585E-09	5.10E-11	8.94E-09	4.16E-06	1.16E-08	4.17E-06	5.57E-07	3.50E-09	5.6E-07	2.76E-12	8.33E-12	4.82E-12	7.62E-14	1.84E-12	1.02E-13	2.01791E-12	6.383E-07	2.0858E-05	9.34E-06	2.29176E-12	2.68136E-13	1.40787E-12	5.49068E-14
564	570670.6	4178639	0.55, 41786	0.47152	0.44129	194.04584	86.02037	27.72083	17.24466	1.10729E-08	6.51E-11	1.11E-08	4.56E-06	1.27E-08	4.57E-06	6.51E-07	4.09E-09	6.55E-07	3.44E-12	1.04E-11	6.01E-12	9.49E-14	2.29E-12	1.27E-13	2.5149E-12	7.956E-07	2.2848E-05	1.09E-05	2.8562E-12	3.34176E-13	1.75461E-12	6.84299E-14
565	570710.6	4178639	0.55, 41786	0.59058	0.57043	207.44684	93.90742	29.63526	21.88085	1.38688E-08	8.42E-11	1.4E-08	4.87E-06	1.39E-08	4.89E-06	6.96E-07	4.37E-09	7E-07	4.31E-12	1.3E-11	7.53E-12	1.19E-13	2.87E-12	1.58E-13	3.15051E-12	9.966E-07	2.4427E-05	1.17E-05	3.57807E-12	4.18634E-13	2.19807E-12	8.57247E-14
566	570750.6	4178639	0.55, 41786	0.7421	0.74424	219.27007	107.04803	31.3243	27.05481	1.7427E-08	1.10E-10	1.75E-08	5.15E-06	1.58E-08	5.16E-06	7.36E-07	4.62E-09	7.4E-07	5.41E-12	1.63E-11	9.46E-12	1.49E-13	3.61E-12	1.99E-13	3.95972E-12	1.253E-06	2.5825E-05	1.23E-05	4.49711E-12	5.26162E-13	2.76265E-12	1.07743E-13
567	570790.6	4178639	0.55, 41786	0.94425	0.97087	237.37937	117.94026	33.01145	30.70173	2.21741E-08	1.43E-10	2.23E-08	5.57E-06	1.74E-08	5.59E-06	7.75E-07	4.87E-09	7.8E-07	6.89E-12	2.08E-11	1.2E-11	1.9E-13	4.6E-12	2.54E-13	5.03916E-12	1.594E-06	2.7959E-05	1.3E-05	5.72304E-12	6.69595E-13	3.51575E-12	1.37114E-13
568	570830.6	4178639	0.55, 41786	1.23329	1.33292	295.25944	130.22679	42.69044	39.99654	2.89617E-08	1.97E-10	2.92E-08	6.93E-06	1.92E-08	6.95E-06	1E-06	6.30E-09	1.01E-06	9E-12	2.72E-11	1.57E-11	2.49E-13	6E-12	3.31E-13	6.58384E-12	2.083E-06	3.4764E-05	1.68E-05	7.47734E-12	8.74849E-13	4.59345E-12	1.79145E-13
569	570870.6	4178639	0.55, 41786	1.50989	1.73214	317.24906	188.19869	58.25942	53.82297	3.54572E-08	2.56E-10	3.57E-08	7.45E-06	2.78E-08	7.48E-06	1.37E-06	8.60E-09	1.38E-06	1.1E-11	3.33E-11	1.93E-11	3.04E-13	7.35E-12	4.06E-13	8.06379E-12	2.551E-06	3.7389E-05	2.29E-05	9.15814E-12	1.0715E-12	5.62599E-12	2.19414E-13
570	570910.6	4178639	0.55, 41786	1.78259	1.99297	332.58479	179.86407	63.94152	52.98497	4.18611E-08	2.94E-10	4.22E-08	7.81E-06	2.65E-08	7.84E-06	1.5E-06	9.44E-09	1.51E-06	1.3E-11	3.93E-11	2.27E-11	3.59E-13	8.68E-12	4.79E-13	9.51845E-12	3.011E-06	3.9184E-05	2.52E-05	1.08102E-11	1.2648E-12	6.64089E-12	2.58995E-13
571	570950.6	4178639	0.55, 41786	1.86524	1.94862	326.77204	147.92341	57.64661	41.4452	4.3802E-08	2.88E-10	4.41E-08	7.67E-06	2.18E-08	7.7E-06	1.35E-06	8.51E-09	1.36E-06	1.36E-11	4.11E-11	2.38E-11	3.76E-13	9.08E-12	5.01E-13	9.95522E-12	3.149E-06	3.8478E-05	2.27E-05	1.13063E-11	1.32283E-12	6.94562E-12	2.70879E-13
572	570990.6	4178639	0.55, 41786	1.76592	1.78245	311.73236	122.31574	43.80696	33.57582	4.14697E-08	2.63E-10	4.17E-08	7.32E-06	1.80E-08	7.34E-06	1.03E-06	6.46E-09	1.04E-06	1.29E-11	3.89E-11	2.25E-11	3.56E-13	8.59E-12	4.74E-13	9.42304E-12	2.981E-06	3.6693E-05	1.73E-05	1.07019E-11	1.25212E-12	6.57433E-12	2.56399E-13
573	571030.6	4178639	0.55, 41786	1.5977	1.58915	263.38378	106.70114	40.88022	26.80487	3.75193E-08	2.35E-10	3.78E-08	6.19E-06	1.57E-08	6.2E-06	9.6E-07	6.03E-09	9.66E-07	1.17E-11	3.52E-11	2.04E-11	3.22E-13	7.77E-12	4.29E-13	8.52463E-12	2.697E-06	3.1004E-05	1.61E-05	9.68152E-12	1.13274E-12	5.94752E-12	2.31953E-13
574	571070.6	4178639	0.55, 41786	1.42629	1.41473	323.91584	92.06505	44.84431	24.93328	3.3494E-08	2.09E-10	3.37E-08	7.61E-06	1.36E-08	7.62E-06	1.05E-06	6.62E-09	1.06E-06	1.04E-11	3.14E-11	1.82E-11	2.87E-13	6.94E-12	3.83E-13	7.60993E-12	2.407E-06	3.8101E-05	1.77E-05	8.64269E-12	1.01119E-12	5.30934E-12	2.07064E-13
575	571110.6	4178639	0.55, 41786	1.27265	1.25146	231.49813	85.11921	34.4516	22.95032	2.9886E-08	1.85E-10	3.01E-08	5.44E-06	1.26E-08	5.45E-06	8.09E-07	5.08E-09	8.14E-07	9.28E-12	2.8E-11	1.62E-11	2.56E-13	6.19E-12	3.42E-13	6.78983E-12	2.148E-06	2.7245E-05	1.36E-05	7.71129E-12	9.0222E-13	4.73717E-12	1.8475E-13
576	571150.6	4178639	0.55, 41786	1.10067	1.1079	235.36335	78.49538	33.92291	20.75102	2.58474E-08	1.63E-10	2.6E-08	5.53E-06	1.16E-08	5.54E-06	7.97E-07	5.01E-09	8.02E-07	8.03E-12	2.42E-11	1.4E-11	2.22E-13	5.36E-12	2.95E-13	5.87313E-12	1.858E-06	2.7693E-05	1.34E-05	6.67019E-12	7.80412E-13	4.0976E-12	1.59807E-13
577	571190.6	4178639	0.55, 41786	0.96404	0.98605	150.10185	73.9658	22.00887	18.66835	2.26389E-08	1.46E-10	2.28E-08	3.52E-06	1.09E-08	3.54E-06	5.17E-07	3.25E-09	5.2E-07	7.03E-12	2.12E-11	1.23E-11	1.94E-13	4.69E-12	2.59E-13	5.1446E-12	1.627E-06	1.7679E-05	8.67E-06	5.84279E-12	6.83606E-13	3.58932E-12	1.39983E-13
578	571230.6	4178639	0.55, 41786	0.85847	0.87787	130.71922	65.23747	20.98447	16.26127	2.01597E-08	1.30E-10	2.03E-08	3.07E-06	9.63E-09	3.08E-06	4.93E-07	3.10E-09	4.96E-07	6.26E-12	1.89E-11	1.09E-11	1.73E-13	4.18E-12	2.3E-13	4.58122E-12	1.449E-06	1.5397E-05	8.26E-06	5.20295E-12	6.08745E-13	3.19625E-12	1.24654E-13
579	571270.6	4178639	0.55, 41786	0.76521	0.78388	147.71702	61.52416	22.46264	14.29709	1.79697E-08	1.16E-10	1.81E-08	3.47E-06	9.08E-09	3.48E-06	5.27E-07	3.31E-09	5.31E-07	5.58E-12	1.69E-11	9.75E-12	1.54E-13	3.72E-12	2.05E-13	4.08358E-12	1.292E-06	1.739E-05	8.85E-06	4.63778E-12	5.4262E-13	2.84906E-12	1.11113E-13
580	571310.6	4178639	0.55, 41786	0.67814	0.70066	136.41117	59.8434	17.34958	13.40052	1.5925E-08	1.03E-10	1.6E-08	3.2E-06	8.83E-09	3.21E-06	4.07E-07	2.56E-09	4.1E-07	4.95E-12	1.49E-11	8.65E-12	1.37E-13	3.3E-12	1.82E-13	3.61913E-12	1.145E-06	1.6061E-05	6.83E-06	4.11029E-12	4.80904E-13	2.52502E-12	9.84757E-14
581	571350.6	4178639	0.55, 41786	0.60279	0.6273	124.67819	56.4143	15.58477	12.33978	1.41555E-08	9.26E-11	1.42E-08	2.93E-06	8.32E-09	2.94E-06	3.66E-07	2.30E-09	3.68E-07	4.4E-12	1.33E-11	7.69E-12	1.21E-13	2.93E-12	1.62E-13	3.21715E-12	1.018E-06	1.4681E-05	6.14E-06	3.65375E-12	4.27489E-13	2.24456E-12	8.75378E-14
582	571390.6	4178639	0.55, 41786	0.54567	0.56561	134.64293	53.30447	19.4501	11.04071	1.28141E-08	8.35E-11	1.29E-08	3.16E-06	7.87E-09	3.17E-06	4.57E-07	2.87E-09	4.6E-07	3.98E-12	1.2E-11	6.96E-12	1.1E-13	2.66E-12	1.47E-13	2.91222E-12	9.213E-07	1.5849E-05	7.66E-06	3.30744E-12	3.86971E-13	2.03181E-12	7.92408E-14
583	571430.6	4178639	0.55, 41786	0.50035	0.51255	147.79016	50.85435	20.77571	9.97795	1.17499E-08	7.56E-11	1.18E-08	3.47E-06	7.50E-09	3.48E-06	4.88E-07	3.07E-09	4.91E-07	3.65E-12	1.1E-11	6.38E-12	1.01E-13	2.44E-12	1.34E-13	2.67014E-12	8.447E-07	1.7391E-05	8.18E-06	3.03252E-12	3.54804E-13	1.86292E-12	7.2654E-14
584	571470.6	4178639	0.55, 41786	0.45884	0.46513	118.76181	47.03177	16.94782	8.9119	1.07751E-08	6.86E-11	1.08E-08	2.79E-06	6.94E-09	2.8E-06	3.98E-07	2.50E-09	4E-07	3.35E-12	1.01E-11	5.85E-12	9.24E-14	2.23E-12	1.23E-13	2.44846E-12	7.746E-07	1.3979E-05	6.67E-06	2.78075E-12	3.25347E-13	1.70826E-12	6.66221E-14
585	571510.6	4178639	0.55, 41786	0.41516	0.4204	105.04191	43.02213	15.00599	7.61313	9.74933E-09	6.20E-11	9.81E-09	2.47E-06	6.35E-09	2.47E-06	3.52E-07	2.21E-09	3.55E-07	3.03E-12	9.14E-12	5.29E-12	8.36E-14	2.02E-12	1.11E-13	2.21536E-12	7.008E-07	1.2365E-05	5.91E-06	2.51601E-12	2.94373E-13	1.54563E-12	6.02795E-14
586	571550.6	4178639	0.55, 41786	0.37489	0.38245	101.59712	41.64808	13.25702	7.0054	8.80366E-09	5.64E-11	8.86E-09	2.39E-06	6.15E-09	2.39E-06	3.11E-07	1.96E-09	3.13E-07	2.73E-12	8.26E-12	4.78E-12	7.55E-14	1.82E-12	1.01E-13	2.00057E-12	6.329E-07	1.196E-05	5.22E-06	2.27207E-12	2.65832E-13	1.39577E-12	5.4435E-14
587	571590.6	4178639	0.55, 41786	0.33863	0.34937	106.83121	40.48294	14.45913	6.53587	7.95216E-09	5.16E-11	8E-09	2.51E-06	5.97E-09	2.51E-06	3.4E-07	2.13E-09	3.42E-07	2.47E-12	7.46E-12	4.32E-12	6.82E-14	1.65E-12	9.09E-14	1.8072E-12	5.717E-07	1.2574E-05	5.69E-06	2.05246E-12	2.40138E-13	1.26086E-12	4.91735E-14
588	570310.6	4178679	0.55, 41786	0.10291	0.0869	88.39628	30.98258	11.04953	4.21243	2.41667E-09	1.28E-11	2.43E-09	2.08E-06	4.57E-09	2.08E-06	2.59E-07	1.63E-09	2.61E-07	7.5E-13	2.26E-12	1.31E-12	2.07E-14	5E-13	2.76E-14	5.48568E-13	1.735E-07	1.0402E-05	4.35E-06	6.23015E-13	7.28927E-14	3.82728E-13	1.49264E-14
589	570350.6	4178679	0.55, 41786	0.11574	0.09888	93.23081	33.32166	11.65385	4.76024	2.71796E-09	1.46E-11	2.73E-09	2.19E-06	4.92E-09	2.19E-06	2.74E-07	1.72E-09	2.75E-07	8.43E-13	2.55E-12	1.47E-12	2.33E-14	5.63E-13	3.1E-14	6.16997E-13	1.952E-07	1.0971E-05	4.59E-06	7.00731E-13	8.19855E-14	4.3047E-13	1.67883E-14
590	570390.6	4178679	0.55, 41786	0.13137	0.11361	99.39798	36.831	12.42475	5.26157	3.085E-09	1.68E-11	3.1E-09	2.33E-06	5.44E-09	2.34E-06	2.92E-07	1.83E-09	2.94E-07	9.57E-13	2.89E-12	1.67E-12	2.64E-14	6.39E-13	3.52E-14	7.00365E-13	2.216E-07	1.1698E-05	4.89E-06	7.95412E-13	9.30633E-14	4.88635E-13	1.90568E-14
591	570430.6	4178679	0.55, 41786	0.15074	0.13191	105.99103	39.73692	13.24888	5.6767	3.53988E-09	1.95E-11	3.56E-09	2.49E-06	5.86E-09	2.49E-06	3.11E-07	1.96E-09	3.13E-07	1.1E-12	3.32E-12	1.92E-12	3.03E-14	7.33E-13	4.04E-14	8.03682E-13	2.542E-07	1.2474E-05	5.22E-06	9.12752E-13	1.06792E-13	5.60718E-13	2.1868E-14
592	570470.6	4178679	0.55, 41786	0.17494	0.15487	121.69462	47.75873	15.21183	5.96984	4.10817E-09	2.29E-11	4.13E-09	2.86E-06	7.05E-09	2.86E-06	3.57E-07	2.24E-09	3.59E-07	1.27E-12	3.85E-12	2.23E-12	3.52E-14	8.51E-13	4.69E-14	9.32766E-13	2.951E-07	1.4324E-05	5.99E-06	1.05935E-12	1.23944E-13	6.50778E-13	2.53803E-14
593	570510.6	4178679	0.55, 41786	0.2057	0.18414	135.37794	56.46386	16.92224	7.12807	4.83052E-09	2.72E-11	4.86E-09	3.18E-06	8.33E-09	3.19E-06	3.97E-07	2.50E-09	4E-07	1.5E-12	4.53E-12	2.62E-12	4.14E-14	1E-12	5.52E-14	1.09684E-12	3.47E-07	1.5937E-05	6.66E-06	1.2457E-12	1.45747E-13	7.65253E-13	2.98449E-14
594	570550.6	4178679	0.55, 41786	0.2434	0.22078	142.10791	62.60325	17.76349	9.55219	5.71584E-09	3.26E-11	5.75E-09	3.34E-06	9.24E-09	3.35E-06	4.17E-07	2.62E-09	4.2E-07	1.77E-12	5.36E-12	3.1E-12	4.9E-14	1.18E-12	6.53E-14	1.29797E-12	4.106E-07	1.6732E-05	7E-06	1.47412E-12	1.72471E-13	9.05573E-13	3.53173E-14
595	570590.6	4178679	0.55, 41786	0.29132	0.2684	157.44437	70.02377	21.20731	12.01595	6.84116E-09	3.96E-11	6.88E-09	3.7E-06	1.03E-08	3.71E-06	4.98E-07	3.13E-09	5.01E-07	2.12E-12	6.41E-12	3.71E-12	5.87E-14	1.42E-12	7.82E-14	1.55364E-12	4.915E-07	1.8538E-05	8.35E-06	1.76449E-12	2.06446E-13	1.08396E-12	4.22743E-14
596	570630.6	4178679	0.55, 41786	0.34871	0.32823	170.78411	74.6949	24.39773	14.09383	8.18887E-09	4.84E-11	8.24E-09	4.01E-06	1.10E-08	4.02E-06	5.73E-07	3.60E-09	5.77E-07	2.54E-12	7.67E-12	4.44E-12	7.02E-14	1.7E-12	9.36E-14	1.85994E-12	5.884E-07	2.0108E-05	9.61E-06	2.11236E-12	2.47146E-13	1.29766E-12	5.06086E-14
597	570670.6	4178679	0.55, 41786	0.41782	0.40379	181.29369	80.27499	25.8991	15.99045	9.8118E-09	5.96E-11	9.87E-09	4.26E-06	1.18E-08	4.27E-06	6.08E-07	3.82E-09	6.12E-07	3.05E-12	9.2E-12	5.32E-12	8.41E-14	2.03E-12	1.12E-13	2.22891E-12	7.051E-07	2.1346E-05	1.02E-05	2.5314E-12	2.96174E-13	1.55508E-12	6.06482E-14
598	570710.6	4178679	0.55, 41786	0.49876	0.49687	185.88712	90.92914	26.5553	19.21501	1.17125E-08	7.33E-11	1.18E-08	4.37E-06	1.34E-08	4.38E-06	6.24E-07	3.92E-09	6.28E-07	3.64E-12	1.1E-11	6.36E-12	1E-13	2.43E-12	1.34E-13	2.66119E-12	8.418E-07	2.1893E-05	1.05E-05	3.02235E-12	3.53615E-13	1.85668E-12	7.24104E-14
599	570750.6	4178679	0.55, 41786	0.59336	0.60818	195.07014	97.11431	27.40212	20.89244	1.39341E-08	8.97E-11	1.4E-08	4.58E-06	1.43E-08	4.6E-06	6.43E-07	4.04E-09	6.48E-07	4.33E-12	1.31E-11	7.56E-12	1.2E-13	2.89E-12	1.59E-13	3.16651E-12	1.002E-06	2.2976E-05	1.08E-05	3.59624E-12	4.2076E-13	2.20923E-12	8.616E-14
600	570790.6	4178679	0.55, 41786	0.71288	0.74367	232.56486	100.08812	29.70634	25.09865	1.67408E-08	1.10E-10	1.69E-08	5.46E-06	1.48E-08	5.48E-06	6.98E-07	4.38E-09	7.02E-07	5.2E-12	1.57E-11	9.09E-12	1.44E-13	3.47E-12	1.91E-13	3.80477E-12	1.204E-06	2.7381E-05	1.17E-05	4.32112E-12	5.05571E-13	2.65454E-12	1.03527E-13
601	570830.6	4178679	0.55, 41786	0.82835	0.8948	250.25968	113.32691	36.36599	33.16876	1.94524E-08	1.32E-10	1.96E-08	5.88E-06	1.67E-08	5.89E-06	8.54E-07	5.37E-09	8.59E-07	6.04E-12	1.82E-11	1.06E-11	1.67E-13	4.03E-12	2.22E-13	4.42208E-12	1.399E-06	2.9468E-05	1.43E-05	5.0222E-12	5.87598E-13	3.08522E-12	1.20324E-13
602	570870.6	4178679	0.55, 41786	0.92801	1.04065	269.45277	158.88347	39.41339	35.15016	2.17928E-08	1.54E-10	2.19E-08	6.33E-06	2.34E-08	6.35E-06	9.26E-07	5.82E-09	9.31E-07	6.77E-12	2.04E-11	1.18E-11	1.87E-13	4.52E-12	2.49E-13	4.95537E-12	1.568E-06	3.1755E-05	1.55E-05	5.62788E-12	6.58462E-13	3.4573E-12	1.34835E-13
603	570910.6	4178679	0.55, 41786	1.03394	1.13081	259.70616	144.94226	42.20689	35.5523	2.42803E-08	1.67E-10	2.44E-08	6.1E-06	2.14E-08	6.12E-06	9.91E-07	6.23E-09	9.97E-07	7.54E-12	2.28E-11	1.32E-11	2.08E-13	5.03E-12	2.78E-13	5.52006E-12	1.746E-06	3.0601E-05	1.66E-05	6.2692E-12	7.33497E-13	3.85127E-12	1.502E-13
604	570950.6	4178679	0.55, 41786	1.05684	1.13643	242.80014	123.49716	39.92153	30.15323	2.48181E-08	1.68E-10	2.5E-08	5.7E-06	1.82E-08	5.72E-06	9.37E-07	5.89E-09	9.43E-07	7.71E-12	2.33E-11	1.35E-11	2.13E-13	5.14E-12	2.84E-13	5.64168E-12	1.785E-06	2.86E-05	1.57E-05	6.40732E-12	7.49656E-13	3.93612E-12	1.53509E-13
605	570990.6	4178679	0.55, 41786	1.01802	1.09421	255.86386	105.93706	37.15781	26.85338	2.39065E-08	1.61E-10	2.41E-08	6.01E-06	1.56E-08	6.02E-06	8.73E-07	5.48E-09	8.78E-07	7.43E-12	2.24E-11	1.3E-11	2.05E-13	4.96E-12	2.73E-13	5.43443E-12	1.719E-06	3.0121E-05	1.46E-05	6.17195E-12	7.22118E-13	3.79153E-12	1.4787E-13
606	571030.6	4178679	0.55, 41786	0.98373	1.03259	224.24787	96.85684	32.03518	21.71644	2.31012E-08	1.52E-10	2.33E-08	5.27E-06	1.43E-08	5.28E-06	7.52E-07	4.73E-09	7.57E-07	7.18E-12	2.17E-11	1.25E-11	1.98E-13	4.79E-12	2.64E-13	5.25056E-12	1.661E-06	2.6402E-05	1.26E-05	5.96312E-12	6.97685E-13	3.66324E-12	1.42866E-13
607	571070.6	4178679	0.55, 41786	0.92088	0.95493	234.21131	81.25508	29.84103	18.74017	2.16253E-08	1.41E-10	2.18E-08	5.5E-06	1.20E-08	5.51E-06	7.01E-07	4.40E-09	7.05E-07	6.72E-12	2.03E-11	1.17E-11	1.86E-13	4.48E-12	2.47E-13	4.91471E-12	1.555E-06	2.756E-05	1.18E-05	5.5817E-12	6.53059E-13	3.42893E-12	1.33728E-13
608	571110.6	4178679	0.55, 41786	0.85296	0.87816	249.82687	76.90023	32.83771	18.41049	2.00303E-08	1.30E-10	2.02E-08	5.87E-06	1.13E-08	5.88E-06	7.71E-07	4.85E-09	7.76E-07	6.22E-12	1.88E-11	1.09E-11	1.72E-13	4.15E-12	2.29E-13	4.55201E-12	1.44E-06	2.9391E-05	1.29E-05	5.16978E-12	6.04864E-13	3.17588E-12	1.23859E-13
609	571150.6	4178679	0.55, 41786	0.78449	0.80428	184.12399	71.8753	26.94504	17.68151	1.84224E-08	1.19E-10	1.85E-08	4.32E-06	1.06E-08	4.33E-06	6.33E-07	3.98E-09	6.37E-07	5.72E-12	1.73E-11	1E-11	1.58E-13	3.82E-12	2.11E-13	4.1865E-12	1.324E-06	2.1672E-05	1.06E-05	4.75465E-12	5.56294E-13	2.92086E-12	1.13914E-13
610	571190.6	4178679	0.55, 41786	0.70872	0.73542	192.12547	69.23049	27.25383	16.04767	1.66431E-08	1.09E-10	1.68E-08	4.51E-06	1.02E-08	4.52E-06	6.4E-07	4.02E-09	6.44E-07	5.17E-12	1.56E-11	9.04E-12	1.43E-13	3.45E-12	1.9E-13	3.78244E-12	1.197E-06	2.261E-05	1.07E-05	4.29576E-12	5.02604E-13	2.63895E-12	1.02919E-13
611	571230.6	4178679	0.55, 41786	0.64141	0.6715	152.95792	62.82263	21.78847	14.44714	1.50624E-08	9.91E-11	1.52E-08	3.59E-06	9.27E-09	3.6E-06	5.12E-07	3.22E-09	5.15E-07	4.68E-12	1.41E-11	8.18E-12	1.29E-13	3.12E-12	1.72E-13	3.4234E-12	1.083E-06	1.8006E-05	8.58E-06	3.888E-12	4.54896E-13	2.38846E-12	9.31499E-14
612	571270.6	4178679	0.55, 41786	0.5854	0.61191	124.65244	57.66905	20.54509	12.75642	1.37471E-08	9.03E-11	1.38E-08	2.93E-06	8.51E-09	2.94E-06	4.82E-07	3.03E-09	4.85E-07	4.27E-12	1.29E-11	7.46E-12	1.18E-13	2.85E-12	1.57E-13	3.12443E-12	9.884E-07	1.4679E-05	8.09E-06	3.54845E-12	4.15168E-13	2.17987E-12	8.50149E-14
613	571310.6	4178679	0.55, 41786	0.53447	0.5582	125.80787	55.1913	17.97255	11.70277	1.25511E-08	8.24E-11	1.26E-08	2.95E-06	8.14E-09	2.96E-06	4.22E-07	2.65E-09	4.25E-07	3.9E-12	1.18E-11	6.81E-12	1.08E-13	2.6E-12	1.44E-13	2.85258E-12	9.024E-07	1.4813E-05	7.08E-06	3.23971E-12	3.79047E-13	1.99021E-12	7.76182E-14
614	571350.6	4178679	0.55, 41786	0.48504	0.50906	111.39997	53.56601	13.925	11.19981	1.13903E-08	7.51E-11	1.15E-08	2.62E-06	7.90E-09	2.62E-06	3.27E-07	2.05E-09	3.29E-07	3.54E-12	1.07E-11	6.18E-12	9.77E-14	2.36E-12	1.3E-13	2.58885E-12	8.19E-07	1.312E-05	5.48E-06	2.94019E-12	3.44002E-13	1.8062E-12	7.0442E-14
615	571390.6	4178679	0.55, 41786	0.44312	0.4655	107.51836	51.27371	13.43979	10.40254	1.04059E-08	6.87E-11	1.05E-08	2.52E-06	7.57E-09	2.53E-06	3.16E-07	1.98E-09	3.18E-07	3.23E-12	9.76E-12	5.65E-12	8.93E-14	2.16E-12	1.19E-13	2.36512E-12	7.482E-07	1.2662E-05	5.29E-06	2.68609E-12	3.14273E-13	1.65011E-12	6.43543E-14
616	571430.6	4178679	0.55, 41786	0.41031	0.42684	122.12368	48.88835	17.23844	9.36082	9.63544E-09	6.30E-11	9.7E-09	2.87E-06	7.21E-09	2.88E-06	4.05E-07	2.54E-09	4.07E-07	2.99E-12	9.04E-12	5.23E-12	8.27E-14	2E-12	1.1E-13	2.18986E-12	6.927E-07	1.4375E-05	6.79E-06	2.48705E-12	2.90985E-13	1.52783E-12	5.95855E-14
617	571470.6	4178679	0.55, 41786	0.38401	0.39267	130.83453	46.56818	18.03085	8.50414	9.01783E-09	5.79E-11	9.08E-09	3.07E-06	6.87E-09	3.08E-06	4.23E-07	2.66E-09	4.26E-07	2.8E-12	8.46E-12	4.9E-12	7.74E-14	1.87E-12	1.03E-13	2.04927E-12	6.483E-07	1.5397E-05	7.1E-06	2.32738E-12	2.72303E-13	1.42975E-12	5.57601E-14
618	571510.6	4178679	0.55, 41786	0.35733	0.36026	104.69184	43.30646	14.57371	7.68103	8.39129E-09	5.32E-11	8.44E-09	2.46E-06	6.39E-09	2.46E-06	3.42E-07	2.15E-09	3.44E-07	2.61E-12	7.87E-12	4.55E-12	7.2E-14	1.74E-12	9.59E-14	1.90672E-12	6.032E-07	1.2325E-05	5.74E-06	2.16548E-12	2.53361E-13	1.33029E-12	5.18814E-14
619	571550.6	4178679	0.55, 41786	0.32923	0.33046	93.91251	40.06683	13.41607	6.60436	7.73141E-09	4.88E-11	7.78E-09	2.21E-06	5.91E-09	2.21E-06	3.15E-07	1.98E-09	3.17E-07	2.4E-12	7.25E-12	4.2E-12	6.63E-14	1.6E-12	8.84E-14	1.75673E-12	5.557E-07	1.1056E-05	5.28E-06	1.99514E-12	2.33431E-13	1.22564E-12	4.78001E-14
620	571590.6	4178679	0.55, 41786	0.30119	0.30402	90.51235	37.8645	11.49242	5.95997	7.07294E-09	4.49E-11	7.12E-09	2.13E-06	5.59E-09	2.13E-06	2.7E-07	1.70E-09	2.72E-07	2.2E-12	6.63E-12	3.84E-12	6.07E-14	1.47E-12	8.09E-14	1.60717E-12	5.084E-07	1.0656E-05	4.53E-06	1.82528E-12	2.13558E-13	1.1213E-12	4.37306E-14
621	570310.6	4178719	0.55, 41787	0.10285	0.08839	86.08959	31.99227	10.7612	4.57032	2.41526E-09	1.30E-11	2.43E-09	2.02E-06	4.72E-09	2.03E-06	2.53E-07	1.59E-09	2.54E-07	7.49E-13	2.26E-12	1.31E-12	2.07E-14	5E-13	2.76E-14	5.48299E-13	1.735E-07	1.0132E-05	4.24E-06	6.2271E-13	7.28571E-14	3.82541E-13	1.49191E-14
622	570350.6	4178719	0.55, 41787	0.11563	0.10049	90.6137	34.18211	11.32671	4.88316	2.71538E-09	1.48E-11	2.73E-09	2.13E-06	5.04E-09	2.13E-06	2.66E-07	1.67E-09	2.68E-07	8.42E-13	2.54E-12	1.47E-12	2.33E-14	5.62E-13	3.1E-14	6.16467E-13	1.95E-07	1.0665E-05	4.46E-06	7.00129E-13	8.19151E-14	4.30101E-13	1.67739E-14
623	570390.6	4178719	0.55, 41787	0.13114	0.11521	102.01088	38.97546	12.75136	5.08393	3.0796E-09	1.70E-11	3.1E-09	2.4E-06	5.75E-09	2.4E-06	2.99E-07	1.88E-09	3.01E-07	9.56E-13	2.89E-12	1.67E-12	2.64E-14	6.38E-13	3.52E-14	6.99198E-13	2.212E-07	1.2007E-05	5.02E-06	7.94088E-13	9.29083E-14	4.87821E-13	1.9025E-14
624	570430.6	4178719	0.55, 41787	0.15	0.13322	114.28488	46.41789	14.28561	5.80224	3.5225E-09	1.97E-11	3.54E-09	2.68E-06	6.85E-09	2.69E-06	3.35E-07	2.11E-09	3.38E-07	1.09E-12	3.3E-12	1.91E-12	3.02E-14	7.29E-13	4.02E-14	7.99802E-13	2.53E-07	1.3453E-05	5.63E-06	9.08345E-13	1.06276E-13	5.58011E-13	2.17624E-14
625	570470.6	4178719	0.55, 41787	0.17288	0.1553	122.16306	52.59309	15.27038	6.67803	4.0598E-09	2.29E-11	4.08E-09	2.87E-06	7.76E-09	2.88E-06	3.59E-07	2.25E-09	3.61E-07	1.26E-12	3.8E-12	2.2E-12	3.48E-14	8.41E-13	4.64E-14	9.21857E-13	2.916E-07	1.4383E-05	6.01E-06	1.04696E-12	1.22495E-13	6.43167E-13	2.50835E-14
626	570510.6	4178719	0.55, 41787	0.1999	0.18201	126.87173	56.8638	15.85897	8.56143	4.69431E-09	2.69E-11	4.72E-09	2.98E-06	8.39E-09	2.99E-06	3.72E-07	2.34E-09	3.75E-07	1.46E-12	4.4E-12	2.55E-12	4.02E-14	9.72E-13	5.36E-14	1.06602E-12	3.372E-07	1.4939E-05	6.25E-06	1.21069E-12	1.41651E-13	7.43747E-13	2.90061E-14
627	570550.6	4178719	0.55, 41787	0.2328	0.21534	141.7684	62.68438	19.27806	10.36338	5.46692E-09	3.18E-11	5.5E-09	3.33E-06	9.25E-09	3.34E-06	4.53E-07	2.84E-09	4.56E-07	1.7E-12	5.12E-12	2.97E-12	4.69E-14	1.13E-12	6.25E-14	1.24158E-12	3.928E-07	1.6692E-05	7.59E-06	1.41008E-12	1.64979E-13	8.66233E-13	3.37831E-14
628	570590.6	4178719	0.55, 41787	0.2704	0.25529	152.6333	65.86327	21.80476	11.76563	6.34989E-09	3.77E-11	6.39E-09	3.58E-06	9.72E-09	3.59E-06	5.12E-07	3.22E-09	5.15E-07	1.97E-12	5.95E-12	3.45E-12	5.45E-14	1.32E-12	7.26E-14	1.44228E-12	4.563E-07	1.797E-05	8.59E-06	1.63802E-12	1.91648E-13	1.00626E-12	3.92441E-14
629	570630.6	4178719	0.55, 41787	0.31352	0.30328	160.25221	70.5161	22.89317	12.52474	7.36249E-09	4.48E-11	7.41E-09	3.76E-06	1.04E-08	3.77E-06	5.38E-07	3.38E-09	5.41E-07	2.29E-12	6.9E-12	4E-12	6.31E-14	1.53E-12	8.41E-14	1.67252E-12	5.291E-07	1.8868E-05	9.02E-06	1.8995E-12	2.22242E-13	1.16689E-12	4.55089E-14
630	570670.6	4178719	0.55, 41787	0.36149	0.3594	159.13882	79.23774	22.73412	14.05012	8.48898E-09	5.30E-11	8.54E-09	3.74E-06	1.17E-08	3.75E-06	5.34E-07	3.35E-09	5.37E-07	2.64E-12	7.96E-12	4.61E-12	7.28E-14	1.76E-12	9.7E-14	1.92875E-12	6.101E-07	1.8744E-05	8.95E-06	2.1905E-12	2.56289E-13	1.34566E-12	5.24808E-14
631	570710.6	4178719	0.55, 41787	0.41184	0.42167	168.39934	82.78202	23.84947	15.22445	9.67137E-09	6.22E-11	9.73E-09	3.95E-06	1.22E-08	3.97E-06	5.6E-07	3.52E-09	5.64E-07	3E-12	9.07E-12	5.25E-12	8.3E-14	2E-12	1.11E-13	2.1978E-12	6.953E-07	1.9834E-05	9.39E-06	2.49607E-12	2.9204E-13	1.53337E-12	5.98016E-14
632	570750.6	4178719	0.55, 41787	0.46631	0.48852	193.26616	81.97611	24.83922	16.78199	1.09505E-08	7.21E-11	1.1E-08	4.54E-06	1.21E-08	4.55E-06	5.83E-07	3.67E-09	5.87E-07	3.4E-12	1.03E-11	5.95E-12	9.4E-14	2.27E-12	1.25E-13	2.48885E-12	7.873E-07	2.2753E-05	9.78E-06	2.82662E-12	3.30714E-13	1.73644E-12	6.7721E-14
633	570790.6	4178719	0.55, 41787	0.5297	0.5627	208.56721	92.88706	26.09236	23.00092	1.24391E-08	8.30E-11	1.25E-08	4.9E-06	1.37E-08	4.91E-06	6.13E-07	3.85E-09	6.17E-07	3.86E-12	1.17E-11	6.75E-12	1.07E-13	2.58E-12	1.42E-13	2.82744E-12	8.944E-07	2.4558E-05	1.03E-05	3.21116E-12	3.75706E-13	1.97267E-12	7.6934E-14
634	570830.6	4178719	0.55, 41787	0.58417	0.63922	206.25232	102.59816	28.9378	25.69667	1.37182E-08	9.43E-11	1.38E-08	4.84E-06	1.51E-08	4.86E-06	6.8E-07	4.27E-09	6.84E-07	4.26E-12	1.29E-11	7.45E-12	1.18E-13	2.84E-12	1.57E-13	3.11881E-12	9.866E-07	2.4293E-05	1.14E-05	3.54207E-12	4.14423E-13	2.17595E-12	8.48622E-14
635	570870.6	4178719	0.55, 41787	0.63384	0.71183	208.40577	136.85909	28.70976	24.7437	1.48847E-08	1.05E-10	1.5E-08	4.89E-06	2.02E-08	4.91E-06	6.74E-07	4.24E-09	6.78E-07	4.63E-12	1.4E-11	8.09E-12	1.28E-13	3.09E-12	1.7E-13	3.3846E-12	1.071E-06	2.4571E-05	1.13E-05	3.84394E-12	4.49741E-13	2.36139E-12	9.20943E-14
636	570910.6	4178719	0.55, 41787	0.68401	0.75343	211.07044	124.31957	30.70854	25.49482	1.60628E-08	1.11E-10	1.62E-08	4.96E-06	1.83E-08	4.97E-06	7.21E-07	4.53E-09	7.26E-07	4.99E-12	1.51E-11	8.72E-12	1.38E-13	3.33E-12	1.84E-13	3.65201E-12	1.155E-06	2.4875E-05	1.21E-05	4.14764E-12	4.85273E-13	2.54796E-12	9.93704E-14
637	570950.6	4178719	0.55, 41787	0.69007	0.76497	207.10313	108.18225	30.79195	24.65468	1.62051E-08	1.13E-10	1.63E-08	4.86E-06	1.60E-08	4.88E-06	7.23E-07	4.54E-09	7.28E-07	5.04E-12	1.52E-11	8.8E-12	1.39E-13	3.36E-12	1.85E-13	3.68453E-12	1.166E-06	2.4397E-05	1.21E-05	4.18457E-12	4.89594E-13	2.57065E-12	1.00255E-13
638	570990.6	4178719	0.55, 41787	0.68048	0.74999	206.58356	95.47159	32.17827	21.60129	1.59799E-08	1.11E-10	1.61E-08	4.85E-06	1.41E-08	4.87E-06	7.56E-07	4.75E-09	7.6E-07	4.97E-12	1.5E-11	8.68E-12	1.37E-13	3.31E-12	1.83E-13	3.63318E-12	1.149E-06	2.4327E-05	1.27E-05	4.12625E-12	4.82771E-13	2.53482E-12	9.8858E-14
639	571030.6	4178719	0.55, 41787	0.66194	0.72353	210.3532	86.11281	30.372	18.42489	1.55445E-08	1.07E-10	1.57E-08	4.94E-06	1.27E-08	4.95E-06	7.13E-07	4.48E-09	7.18E-07	4.83E-12	1.46E-11	8.44E-12	1.33E-13	3.22E-12	1.78E-13	3.53399E-12	1.118E-06	2.4762E-05	1.2E-05	4.0136E-12	4.69591E-13	2.46562E-12	9.61591E-14
640	571070.6	4178719	0.55, 41787	0.64029	0.68839	181.70859	76.31707	22.73215	15.52213	1.50361E-08	1.02E-10	1.51E-08	4.27E-06	1.13E-08	4.28E-06	5.34E-07	3.35E-09	5.37E-07	4.67E-12	1.41E-11	8.16E-12	1.29E-13	3.12E-12	1.72E-13	3.41802E-12	1.081E-06	2.1392E-05	8.95E-06	3.88189E-12	4.54181E-13	2.38471E-12	9.30036E-14
641	571110.6	4178719	0.55, 41787	0.60626	0.64543	207.95149	70.27092	26.16426	14.32632	1.4237E-08	9.52E-11	1.43E-08	4.88E-06	1.04E-08	4.89E-06	6.14E-07	3.86E-09	6.18E-07	4.42E-12	1.34E-11	7.73E-12	1.22E-13	2.95E-12	1.63E-13	3.23615E-12	1.024E-06	2.4469E-05	1.03E-05	3.67534E-12	4.30014E-13	2.25782E-12	8.80549E-14
642	571150.6	4178719	0.55, 41787	0.57256	0.60327	200.64391	66.12781	25.68735	14.52342	1.34456E-08	8.90E-11	1.35E-08	4.71E-06	9.76E-09	4.72E-06	6.03E-07	3.79E-09	6.07E-07	4.18E-12	1.26E-11	7.3E-12	1.15E-13	2.79E-12	1.54E-13	3.05606E-12	9.668E-07	2.3608E-05	1.01E-05	3.4708E-12	4.06083E-13	2.13217E-12	8.31545E-14
643	571190.6	4178719	0.55, 41787	0.53842	0.56251	154.3512	63.9477	22.19645	14.00077	1.26439E-08	8.30E-11	1.27E-08	3.62E-06	9.44E-09	3.63E-06	5.21E-07	3.28E-09	5.25E-07	3.93E-12	1.19E-11	6.86E-12	1.08E-13	2.62E-12	1.45E-13	2.87367E-12	9.091E-07	1.8171E-05	8.74E-06	3.26366E-12	3.81849E-13	2.00492E-12	7.8192E-14
644	571230.6	4178719	0.55, 41787	0.49735	0.52247	159.72675	60.41971	22.34048	12.75874	1.16794E-08	7.71E-11	1.18E-08	3.75E-06	8.92E-09	3.76E-06	5.25E-07	3.30E-09	5.28E-07	3.63E-12	1.1E-11	6.34E-12	1E-13	2.42E-12	1.34E-13	2.65457E-12	8.398E-07	1.8799E-05	8.8E-06	3.01482E-12	3.52734E-13	1.85206E-12	7.22302E-14
645	571270.6	4178719	0.55, 41787	0.45612	0.4836	144.14128	55.22387	20.17616	11.51496	1.07112E-08	7.14E-11	1.08E-08	3.38E-06	8.15E-09	3.39E-06	4.74E-07	2.98E-09	4.77E-07	3.33E-12	1E-11	5.82E-12	9.19E-14	2.22E-12	1.22E-13	2.43465E-12	7.702E-07	1.6965E-05	7.95E-06	2.76507E-12	3.23513E-13	1.69862E-12	6.62464E-14
646	571310.6	4178719	0.55, 41787	0.42006	0.44717	118.44349	52.26024	17.97136	10.56882	9.8644E-09	6.60E-11	9.93E-09	2.78E-06	7.71E-09	2.79E-06	4.22E-07	2.65E-09	4.25E-07	3.06E-12	9.25E-12	5.36E-12	8.47E-14	2.04E-12	1.13E-13	2.24223E-12	7.093E-07	1.3946E-05	7.08E-06	2.54653E-12	2.97944E-13	1.56438E-12	6.10107E-14
647	571350.6	4178719	0.55, 41787	0.38785	0.41385	109.17018	50.24459	14.07795	10.0186	9.108E-09	6.11E-11	9.17E-09	2.56E-06	7.41E-09	2.57E-06	3.31E-07	2.08E-09	3.33E-07	2.83E-12	8.54E-12	4.95E-12	7.82E-14	1.89E-12	1.04E-13	2.07033E-12	6.549E-07	1.2855E-05	5.54E-06	2.3513E-12	2.75102E-13	1.44444E-12	5.63333E-14
648	571390.6	4178719	0.55, 41787	0.35875	0.38356	87.70597	48.80309	10.96325	9.64341	8.42464E-09	5.66E-11	8.48E-09	2.06E-06	7.20E-09	2.07E-06	2.57E-07	1.62E-09	2.59E-07	2.62E-12	7.9E-12	4.57E-12	7.23E-14	1.75E-12	9.63E-14	1.91502E-12	6.058E-07	1.0334E-05	4.32E-06	2.17492E-12	2.54465E-13	1.33609E-12	5.21074E-14
649	571430.6	4178719	0.55, 41787	0.33385	0.35563	80.9107	47.09106	11.59229	8.99084	7.83991E-09	5.25E-11	7.89E-09	1.9E-06	6.95E-09	1.91E-06	2.72E-07	1.71E-09	2.74E-07	2.44E-12	7.35E-12	4.26E-12	6.73E-14	1.63E-12	8.97E-14	1.78206E-12	5.637E-07	9.535E-06	4.57E-06	2.02391E-12	2.36797E-13	1.24332E-12	4.84895E-14
650	571470.6	4178719	0.55, 41787	0.31507	0.33052	111.40642	45.19171	15.57659	8.16367	7.39889E-09	4.88E-11	7.45E-09	2.62E-06	6.67E-09	2.62E-06	3.66E-07	2.30E-09	3.68E-07	2.3E-12	6.94E-12	4.02E-12	6.35E-14	1.53E-12	8.46E-14	1.68165E-12	5.32E-07	1.3114E-05	6.13E-06	1.90987E-12	2.23454E-13	1.17326E-12	4.57572E-14
651	571510.6	4178719	0.55, 41787	0.29891	0.30701	116.70467	43.07153	15.95519	7.46065	7.0194E-09	4.53E-11	7.06E-09	2.74E-06	6.36E-09	2.75E-06	3.75E-07	2.35E-09	3.77E-07	2.18E-12	6.58E-12	3.81E-12	6.02E-14	1.45E-12	8.02E-14	1.59518E-12	5.046E-07	1.3735E-05	6.28E-06	1.81166E-12	2.11964E-13	1.11293E-12	4.34044E-14
652	571550.6	4178719	0.55, 41787	0.28299	0.28542	93.20798	40.2806	12.81909	6.80365	6.64554E-09	4.21E-11	6.69E-09	2.19E-06	5.94E-09	2.19E-06	3.01E-07	1.89E-09	3.03E-07	2.06E-12	6.23E-12	3.61E-12	5.7E-14	1.38E-12	7.6E-14	1.51004E-12	4.777E-07	1.0974E-05	5.05E-06	1.71497E-12	2.00652E-13	1.05354E-12	4.10879E-14
653	571590.6	4178719	0.55, 41787	0.2649	0.26495	84.18961	37.57199	12.02709	5.93847	6.22073E-09	3.91E-11	6.26E-09	1.98E-06	5.54E-09	1.98E-06	2.82E-07	1.77E-09	2.84E-07	1.93E-12	5.83E-12	3.38E-12	5.34E-14	1.29E-12	7.11E-14	1.41344E-12	4.471E-07	9.913E-06	4.74E-06	1.60526E-12	1.87815E-13	9.86137E-13	3.84594E-14
654	570310.6	4178759	0.55, 41787	0.10291	0.08971	86.89901	32.22927	10.86238	4.40505	2.41667E-09	1.32E-11	2.43E-09	2.04E-06	4.76E-09	2.05E-06	2.55E-07	1.60E-09	2.57E-07	7.5E-13	2.26E-12	1.31E-12	2.07E-14	5E-13	2.76E-14	5.48661E-13	1.736E-07	1.0227E-05	4.28E-06	6.23121E-13	7.29052E-14	3.82793E-13	1.49289E-14
655	570350.6	4178759	0.55, 41787	0.11544	0.10167	97.89636	38.6449	12.23704	4.83061	2.71091E-09	1.50E-11	2.73E-09	2.3E-06	5.70E-09	2.3E-06	2.87E-07	1.81E-09	2.89E-07	8.41E-13	2.54E-12	1.47E-12	2.32E-14	5.61E-13	3.1E-14	6.15499E-13	1.947E-07	1.1523E-05	4.82E-06	6.9903E-13	8.17865E-14	4.29425E-13	1.67476E-14
656	570390.6	4178759	0.55, 41787	0.13027	0.11595	105.67733	44.34348	13.20967	5.54293	3.05917E-09	1.71E-11	3.08E-09	2.48E-06	6.54E-09	2.49E-06	3.1E-07	1.95E-09	3.12E-07	9.49E-13	2.87E-12	1.66E-12	2.62E-14	6.33E-13	3.49E-14	6.9461E-13	2.197E-07	1.2441E-05	5.2E-06	7.88877E-13	9.22986E-14	4.8462E-13	1.89002E-14
657	570430.6	4178759	0.55, 41787	0.14773	0.133	109.21499	48.49986	13.65187	6.24447	3.46919E-09	1.96E-11	3.49E-09	2.56E-06	7.16E-09	2.57E-06	3.21E-07	2.01E-09	3.23E-07	1.08E-12	3.25E-12	1.88E-12	2.97E-14	7.18E-13	3.96E-14	7.87758E-13	2.492E-07	1.2859E-05	5.38E-06	8.94666E-13	1.04676E-13	5.49608E-13	2.14347E-14
658	570470.6	4178759	0.55, 41787	0.16767	0.15301	117.79795	52.53636	14.72474	7.71399	3.93745E-09	2.26E-11	3.96E-09	2.77E-06	7.75E-09	2.77E-06	3.46E-07	2.17E-09	3.48E-07	1.22E-12	3.69E-12	2.14E-12	3.38E-14	8.15E-13	4.5E-14	8.94155E-13	2.829E-07	1.387E-05	5.8E-06	1.0155E-12	1.18814E-13	6.2384E-13	2.43298E-14
659	570510.6	4178759	0.55, 41787	0.191	0.17712	128.29828	56.17436	17.6792	9.03197	4.48531E-09	2.61E-11	4.51E-09	3.01E-06	8.29E-09	3.02E-06	4.15E-07	2.61E-09	4.18E-07	1.39E-12	4.2E-12	2.43E-12	3.85E-14	9.29E-13	5.12E-14	1.01866E-12	3.222E-07	1.5106E-05	6.96E-06	1.15691E-12	1.35358E-13	7.10708E-13	2.77176E-14
660	570550.6	4178759	0.55, 41787	0.21672	0.20498	137.63049	58.52483	19.6615	9.95092	5.0893E-09	3.02E-11	5.12E-09	3.23E-06	8.64E-09	3.24E-06	4.62E-07	2.90E-09	4.65E-07	1.58E-12	4.77E-12	2.76E-12	4.36E-14	1.05E-12	5.82E-14	1.15597E-12	3.657E-07	1.6203E-05	7.74E-06	1.31285E-12	1.53603E-13	8.06505E-13	3.14537E-14
661	570590.6	4178759	0.55, 41787	0.24504	0.23724	142.23889	62.68425	20.31984	10.25836	5.75435E-09	3.50E-11	5.79E-09	3.34E-06	9.25E-09	3.35E-06	4.77E-07	3.00E-09	4.8E-07	1.79E-12	5.39E-12	3.12E-12	4.94E-14	1.19E-12	6.58E-14	1.30721E-12	4.135E-07	1.6747E-05	8E-06	1.48461E-12	1.737E-13	9.12023E-13	3.55689E-14
662	570630.6	4178759	0.55, 41787	0.27554	0.27375	139.19636	70.02218	19.61007	11.07526	6.47059E-09	4.04E-11	6.51E-09	3.27E-06	1.03E-08	3.28E-06	4.61E-07	2.89E-09	4.63E-07	2.01E-12	6.07E-12	3.51E-12	5.55E-14	1.34E-12	7.4E-14	1.47015E-12	4.651E-07	1.6396E-05	7.72E-06	1.66967E-12	1.95351E-13	1.0257E-12	4.00025E-14
663	570670.6	4178759	0.55, 41787	0.30614	0.31293	149.31547	72.47289	21.10931	12.07881	7.18918E-09	4.62E-11	7.24E-09	3.51E-06	1.07E-08	3.52E-06	4.96E-07	3.12E-09	4.99E-07	2.23E-12	6.74E-12	3.9E-12	6.17E-14	1.49E-12	8.22E-14	1.63371E-12	5.168E-07	1.7586E-05	8.31E-06	1.85542E-12	2.17085E-13	1.13982E-12	4.44529E-14
664	570710.6	4178759	0.55, 41787	0.33494	0.35231	164.794	71.08708	21.55176	13.08376	7.8655E-09	5.20E-11	7.92E-09	3.87E-06	1.05E-08	3.88E-06	5.06E-07	3.18E-09	5.09E-07	2.44E-12	7.38E-12	4.27E-12	6.75E-14	1.63E-12	8.99E-14	1.78773E-12	5.655E-07	1.9402E-05	8.49E-06	2.03035E-12	2.37551E-13	1.24728E-12	4.86438E-14
665	570750.6	4178759	0.55, 41787	0.36674	0.3924	179.38877	78.60477	22.4236	16.36841	8.61227E-09	5.79E-11	8.67E-09	4.21E-06	1.16E-08	4.22E-06	5.27E-07	3.31E-09	5.3E-07	2.68E-12	8.08E-12	4.68E-12	7.39E-14	1.79E-12	9.85E-14	1.95768E-12	6.193E-07	2.1121E-05	8.83E-06	2.22337E-12	2.60134E-13	1.36585E-12	5.32681E-14
666	570790.6	4178759	0.55, 41787	0.40357	0.43625	166.36606	82.34558	21.7564	19.87746	9.47716E-09	6.44E-11	9.54E-09	3.91E-06	1.22E-08	3.92E-06	5.11E-07	3.21E-09	5.14E-07	2.94E-12	8.89E-12	5.15E-12	8.13E-14	1.96E-12	1.08E-13	2.15443E-12	6.815E-07	1.9595E-05	8.57E-06	2.44682E-12	2.86278E-13	1.50312E-12	5.86216E-14
667	570830.6	4178759	0.55, 41787	0.43354	0.48203	188.6599	98.62945	24.95504	19.43466	1.0181E-08	7.11E-11	1.03E-08	4.43E-06	1.46E-08	4.44E-06	5.86E-07	3.68E-09	5.9E-07	3.16E-12	9.55E-12	5.53E-12	8.74E-14	2.11E-12	1.16E-13	2.31487E-12	7.323E-07	2.2225E-05	9.83E-06	2.62903E-12	3.07596E-13	1.61506E-12	6.29872E-14
668	570870.6	4178759	0.55, 41787	0.46387	0.52331	172.12292	120.25167	21.51536	18.67269	1.08932E-08	7.72E-11	1.1E-08	4.04E-06	1.77E-08	4.06E-06	5.05E-07	3.17E-09	5.08E-07	3.39E-12	1.02E-11	5.92E-12	9.35E-14	2.26E-12	1.25E-13	2.47707E-12	7.836E-07	2.0299E-05	8.47E-06	2.81324E-12	3.29149E-13	1.72822E-12	6.74005E-14
669	570910.6	4178759	0.55, 41787	0.49085	0.54778	176.15826	108.72169	23.43896	19.655	1.15268E-08	8.08E-11	1.16E-08	4.14E-06	1.60E-08	4.15E-06	5.5E-07	3.46E-09	5.54E-07	3.58E-12	1.08E-11	6.26E-12	9.89E-14	2.39E-12	1.32E-13	2.62095E-12	8.291E-07	2.0764E-05	9.23E-06	2.97664E-12	3.48267E-13	1.8286E-12	7.13153E-14
670	570950.6	4178759	0.55, 41787	0.48762	0.55475	180.46301	97.04885	24.36206	20.46933	1.14509E-08	8.19E-11	1.15E-08	4.24E-06	1.43E-08	4.25E-06	5.72E-07	3.60E-09	5.76E-07	3.56E-12	1.07E-11	6.22E-12	9.83E-14	2.37E-12	1.31E-13	2.60405E-12	8.238E-07	2.1261E-05	9.59E-06	2.95745E-12	3.46022E-13	1.81681E-12	7.08556E-14
671	570990.6	4178759	0.55, 41787	0.49051	0.55159	151.23194	87.28492	25.20532	17.38113	1.15188E-08	8.14E-11	1.16E-08	3.55E-06	1.29E-08	3.56E-06	5.92E-07	3.72E-09	5.96E-07	3.58E-12	1.08E-11	6.26E-12	9.89E-14	2.39E-12	1.32E-13	2.61927E-12	8.286E-07	1.7822E-05	9.93E-06	2.97474E-12	3.48044E-13	1.82743E-12	7.12697E-14
672	571030.6	4178759	0.55, 41787	0.48428	0.53663	187.58168	78.86438	28.06386	15.68835	1.13725E-08	7.92E-11	1.15E-08	4.41E-06	1.16E-08	4.42E-06	6.59E-07	4.14E-09	6.63E-07	3.53E-12	1.07E-11	6.18E-12	9.76E-14	2.36E-12	1.3E-13	2.58574E-12	8.18E-07	2.2083E-05	1.11E-05	2.93665E-12	3.43588E-13	1.80403E-12	7.03573E-14
673	571070.6	4178759	0.55, 41787	0.467	0.51625	163.79974	72.83551	22.54296	13.46245	1.09667E-08	7.62E-11	1.1E-08	3.85E-06	1.07E-08	3.86E-06	5.29E-07	3.33E-09	5.33E-07	3.41E-12	1.03E-11	5.96E-12	9.41E-14	2.27E-12	1.25E-13	2.49343E-12	7.888E-07	1.9287E-05	8.88E-06	2.83182E-12	3.31323E-13	1.73963E-12	6.78457E-14
674	571110.6	4178759	0.55, 41787	0.44755	0.4933	157.0432	65.36033	19.63651	11.35189	1.051E-08	7.28E-11	1.06E-08	3.69E-06	9.65E-09	3.7E-06	4.61E-07	2.90E-09	4.64E-07	3.27E-12	9.86E-12	5.71E-12	9.02E-14	2.18E-12	1.2E-13	2.38954E-12	7.559E-07	1.8488E-05	7.73E-06	2.71382E-12	3.17517E-13	1.66715E-12	6.50187E-14
675	571150.6	4178759	0.55, 41787	0.4302	0.46818	183.98767	62.14189	23.05685	11.54043	1.01025E-08	6.91E-11	1.02E-08	4.32E-06	9.17E-09	4.33E-06	5.41E-07	3.40E-09	5.45E-07	3.14E-12	9.48E-12	5.49E-12	8.67E-14	2.09E-12	1.16E-13	2.2967E-12	7.265E-07	2.1649E-05	9.08E-06	2.60839E-12	3.05182E-13	1.60238E-12	6.24927E-14
676	571190.6	4178759	0.55, 41787	0.41561	0.44245	166.33485	59.4631	21.02615	11.70076	9.7599E-09	6.53E-11	9.83E-09	3.91E-06	8.77E-09	3.91E-06	4.94E-07	3.10E-09	4.97E-07	3.03E-12	9.15E-12	5.3E-12	8.38E-14	2.02E-12	1.12E-13	2.21848E-12	7.018E-07	1.9574E-05	8.28E-06	2.51956E-12	2.94788E-13	1.5478E-12	6.03644E-14
677	571230.6	4178759	0.55, 41787	0.39577	0.41616	133.04594	57.55284	19.00656	11.25795	9.29399E-09	6.14E-11	9.36E-09	3.12E-06	8.49E-09	3.13E-06	4.46E-07	2.80E-09	4.49E-07	2.89E-12	8.72E-12	5.05E-12	7.98E-14	1.93E-12	1.06E-13	2.11241E-12	6.682E-07	1.5664E-05	7.49E-06	2.39908E-12	2.80693E-13	1.4738E-12	5.74781E-14
678	571270.6	4178759	0.55, 41787	0.36933	0.38979	133.93343	52.76944	18.49966	10.32502	8.67309E-09	5.75E-11	8.73E-09	3.15E-06	7.79E-09	3.15E-06	4.34E-07	2.73E-09	4.37E-07	2.69E-12	8.13E-12	4.71E-12	7.44E-14	1.8E-12	9.92E-14	1.97133E-12	6.236E-07	1.5765E-05	7.29E-06	2.23886E-12	2.61947E-13	1.37537E-12	5.36395E-14
679	571310.6	4178759	0.55, 41787	0.3411	0.36413	131.1619	50.25063	18.11843	9.56125	8.01016E-09	5.37E-11	8.06E-09	3.08E-06	7.42E-09	3.09E-06	4.25E-07	2.67E-09	4.28E-07	2.49E-12	7.51E-12	4.35E-12	6.87E-14	1.66E-12	9.16E-14	1.82079E-12	5.76E-07	1.5438E-05	7.14E-06	2.06789E-12	2.41943E-13	1.27034E-12	4.95432E-14
680	571350.6	4178759	0.55, 41787	0.31543	0.34037	103.20737	47.94128	14.62528	9.08266	7.40734E-09	5.02E-11	7.46E-09	2.42E-06	7.07E-09	2.43E-06	3.43E-07	2.16E-09	3.46E-07	2.3E-12	6.95E-12	4.02E-12	6.36E-14	1.54E-12	8.47E-14	1.68388E-12	5.327E-07	1.2154E-05	5.76E-06	1.91241E-12	2.23752E-13	1.17482E-12	4.58181E-14
681	571390.6	4178759	0.55, 41787	0.29206	0.31801	95.20975	46.26011	11.90122	8.7596	6.85854E-09	4.69E-11	6.91E-09	2.24E-06	6.83E-09	2.24E-06	2.79E-07	1.76E-09	2.81E-07	2.13E-12	6.43E-12	3.72E-12	5.89E-14	1.42E-12	7.84E-14	1.55922E-12	4.932E-07	1.1213E-05	4.69E-06	1.77083E-12	2.07187E-13	1.08785E-12	4.2426E-14
682	571430.6	4178759	0.55, 41787	0.27184	0.29676	65.82255	44.97926	8.48847	8.42183	6.3837E-09	4.38E-11	6.43E-09	1.55E-06	6.64E-09	1.55E-06	1.99E-07	1.25E-09	2.01E-07	1.98E-12	5.99E-12	3.47E-12	5.48E-14	1.32E-12	7.3E-14	1.4513E-12	4.591E-07	7.7618E-06	3.34E-06	1.64826E-12	1.92846E-13	1.01255E-12	3.94895E-14
683	571470.6	4178759	0.55, 41787	0.25781	0.27877	74.19853	43.62462	10.92817	7.8818	6.05423E-09	4.11E-11	6.1E-09	1.74E-06	6.44E-09	1.75E-06	2.57E-07	1.61E-09	2.58E-07	1.88E-12	5.68E-12	3.29E-12	5.2E-14	1.26E-12	6.92E-14	1.37631E-12	4.354E-07	8.7443E-06	4.3E-06	1.56309E-12	1.82881E-13	9.6023E-13	3.7449E-14
684	571510.6	4178759	0.55, 41787	0.24715	0.26193	102.14842	42.0514	14.2101	7.23025	5.8039E-09	3.87E-11	5.84E-09	2.4E-06	6.21E-09	2.4E-06	3.34E-07	2.10E-09	3.36E-07	1.8E-12	5.44E-12	3.15E-12	4.98E-14	1.2E-12	6.64E-14	1.31922E-12	4.173E-07	1.2025E-05	5.6E-06	1.49825E-12	1.75296E-13	9.20402E-13	3.58957E-14
685	571550.6	4178759	0.55, 41787	0.23772	0.24585	104.82233	40.15762	14.31586	6.66643	5.58245E-09	3.63E-11	5.62E-09	2.46E-06	5.93E-09	2.47E-06	3.36E-07	2.11E-09	3.38E-07	1.73E-12	5.24E-12	3.03E-12	4.79E-14	1.16E-12	6.38E-14	1.26868E-12	4.013E-07	1.2338E-05	5.64E-06	1.44086E-12	1.6858E-13	8.85143E-13	3.45206E-14
686	571590.6	4178759	0.55, 41787	0.22808	0.23097	83.60184	37.747	11.46846	6.12919	5.35607E-09	3.41E-11	5.39E-09	1.96E-06	5.57E-09	1.97E-06	2.69E-07	1.69E-09	2.71E-07	1.66E-12	5.02E-12	2.91E-12	4.59E-14	1.11E-12	6.12E-14	1.21707E-12	3.85E-07	9.8441E-06	4.52E-06	1.38224E-12	1.61722E-13	8.49135E-13	3.31162E-14
687	570310.6	4178799	0.55, 41787	0.10253	0.09048	92.22772	37.68456	11.52846	4.71057	2.40774E-09	1.34E-11	2.42E-09	2.17E-06	5.56E-09	2.17E-06	2.71E-07	1.70E-09	2.72E-07	7.47E-13	2.26E-12	1.31E-12	2.06E-14	4.99E-13	2.75E-14	5.46672E-13	1.729E-07	1.0857E-05	4.54E-06	6.20862E-13	7.26409E-14	3.81406E-13	1.48748E-14
688	570350.6	4178799	0.55, 41787	0.11434	0.10195	96.42289	41.82094	12.05286	5.22762	2.68508E-09	1.50E-11	2.7E-09	2.26E-06	6.17E-09	2.27E-06	2.83E-07	1.78E-09	2.85E-07	8.33E-13	2.52E-12	1.46E-12	2.3E-14	5.56E-13	3.07E-14	6.09676E-13	1.929E-07	1.1353E-05	4.75E-06	6.92416E-13	8.10127E-14	4.25362E-13	1.65891E-14
689	570390.6	4178799	0.55, 41787	0.12785	0.11532	96.70849	44.28794	12.08856	5.83168	3.00234E-09	1.70E-11	3.02E-09	2.27E-06	6.54E-09	2.28E-06	2.84E-07	1.78E-09	2.86E-07	9.32E-13	2.81E-12	1.63E-12	2.57E-14	6.22E-13	3.43E-14	6.81757E-13	2.157E-07	1.1388E-05	4.76E-06	7.7428E-13	9.05907E-14	4.75653E-13	1.85504E-14
690	570430.6	4178799	0.55, 41787	0.14288	0.13064	109.4746	48.39009	13.83026	6.97525	3.3553E-09	1.93E-11	3.37E-09	2.57E-06	7.14E-09	2.58E-06	3.25E-07	2.04E-09	3.27E-07	1.04E-12	3.14E-12	1.82E-12	2.88E-14	6.95E-13	3.83E-14	7.61963E-13	2.41E-07	1.289E-05	5.45E-06	8.6537E-13	1.01248E-13	5.31611E-13	2.07328E-14
691	570470.6	4178799	0.55, 41787	0.15993	0.14857	116.3647	50.80214	16.31235	7.92735	3.75569E-09	2.19E-11	3.78E-09	2.73E-06	7.50E-09	2.74E-06	3.83E-07	2.41E-09	3.85E-07	1.17E-12	3.52E-12	2.04E-12	3.22E-14	7.78E-13	4.29E-14	8.52967E-13	2.698E-07	1.3701E-05	6.42E-06	9.68724E-13	1.13341E-13	5.95103E-13	2.3209E-14
692	570510.6	4178799	0.55, 41787	0.17816	0.16871	124.77861	52.11481	17.82552	8.49382	4.18379E-09	2.49E-11	4.21E-09	2.93E-06	7.69E-09	2.94E-06	4.19E-07	2.63E-09	4.21E-07	1.3E-12	3.92E-12	2.27E-12	3.59E-14	8.67E-13	4.78E-14	9.50301E-13	3.006E-07	1.469E-05	7.02E-06	1.07927E-12	1.26274E-13	6.63012E-13	2.58575E-14
693	570550.6	4178799	0.55, 41787	0.19752	0.19131	126.89522	56.18657	18.12789	8.51005	4.63842E-09	2.82E-11	4.67E-09	2.98E-06	8.29E-09	2.99E-06	4.26E-07	2.68E-09	4.28E-07	1.44E-12	4.35E-12	2.52E-12	3.98E-14	9.61E-13	5.3E-14	1.05371E-12	3.333E-07	1.4941E-05	7.14E-06	1.19671E-12	1.40015E-13	7.35158E-13	2.86712E-14
694	570590.6	4178799	0.55, 41787	0.21773	0.21627	122.68072	62.5324	17.14296	9.80776	5.11302E-09	3.19E-11	5.14E-09	2.88E-06	9.23E-09	2.89E-06	4.03E-07	2.53E-09	4.05E-07	1.59E-12	4.79E-12	2.78E-12	4.39E-14	1.06E-12	5.84E-14	1.1617E-12	3.675E-07	1.4451E-05	6.75E-06	1.31936E-12	1.54365E-13	8.10504E-13	3.16096E-14
695	570630.6	4178799	0.55, 41787	0.23771	0.24268	133.9153	64.36556	18.95021	10.72759	5.58222E-09	3.58E-11	5.62E-09	3.14E-06	9.50E-09	3.15E-06	4.45E-07	2.80E-09	4.48E-07	1.73E-12	5.23E-12	3.03E-12	4.79E-14	1.16E-12	6.38E-14	1.26852E-12	4.013E-07	1.5771E-05	7.46E-06	1.44068E-12	1.68559E-13	8.85032E-13	3.45163E-14
696	570670.6	4178799	0.55, 41787	0.25595	0.26895	141.94782	63.09907	19.13844	10.57117	6.01055E-09	3.97E-11	6.05E-09	3.33E-06	9.31E-09	3.34E-06	4.49E-07	2.82E-09	4.52E-07	1.87E-12	5.64E-12	3.26E-12	5.16E-14	1.25E-12	6.87E-14	1.36612E-12	4.322E-07	1.6714E-05	7.54E-06	1.55151E-12	1.81527E-13	9.53121E-13	3.71717E-14
697	570710.6	4178799	0.55, 41787	0.27273	0.29382	157.12572	66.69563	19.64072	11.93189	6.4046E-09	4.34E-11	6.45E-09	3.69E-06	9.84E-09	3.7E-06	4.61E-07	2.90E-09	4.64E-07	1.99E-12	6.01E-12	3.48E-12	5.5E-14	1.33E-12	7.32E-14	1.45592E-12	4.606E-07	1.8498E-05	7.74E-06	1.65351E-12	1.9346E-13	1.01578E-12	3.96152E-14
698	570750.6	4178799	0.55, 41787	0.29355	0.31916	152.65771	72.44297	19.08221	15.18472	6.89353E-09	4.71E-11	6.94E-09	3.58E-06	1.07E-08	3.6E-06	4.48E-07	2.82E-09	4.51E-07	2.14E-12	6.47E-12	3.74E-12	5.92E-14	1.43E-12	7.88E-14	1.56716E-12	4.958E-07	1.7978E-05	7.52E-06	1.77984E-12	2.08242E-13	1.09339E-12	4.26421E-14
699	570790.6	4178799	0.55, 41787	0.31688	0.34759	157.73005	72.26845	20.13646	16.34526	7.44139E-09	5.13E-11	7.49E-09	3.7E-06	1.07E-08	3.71E-06	4.73E-07	2.97E-09	4.76E-07	2.31E-12	6.98E-12	4.04E-12	6.39E-14	1.54E-12	8.51E-14	1.69181E-12	5.352E-07	1.8573E-05	7.93E-06	1.92141E-12	2.24805E-13	1.18035E-12	4.60338E-14
700	570830.6	4178799	0.55, 41787	0.33524	0.37796	162.23746	94.66133	21.09567	14.73083	7.87255E-09	5.58E-11	7.93E-09	3.81E-06	1.40E-08	3.82E-06	4.95E-07	3.11E-09	4.99E-07	2.45E-12	7.39E-12	4.28E-12	6.76E-14	1.63E-12	9.01E-14	1.79018E-12	5.663E-07	1.9119E-05	8.31E-06	2.03313E-12	2.37876E-13	1.24898E-12	4.87103E-14
701	570870.6	4178799	0.55, 41787	0.35595	0.40358	158.80625	107.46352	19.85078	16.70272	8.35889E-09	5.96E-11	8.42E-09	3.73E-06	1.59E-08	3.75E-06	4.66E-07	2.93E-09	4.69E-07	2.6E-12	7.84E-12	4.54E-12	7.18E-14	1.73E-12	9.56E-14	1.90084E-12	6.013E-07	1.8726E-05	7.82E-06	2.15881E-12	2.52581E-13	1.32619E-12	5.17215E-14
702	570910.6	4178799	0.55, 41787	0.3676	0.41723	150.41188	96.98395	18.80149	15.72408	8.63247E-09	6.16E-11	8.69E-09	3.53E-06	1.43E-08	3.55E-06	4.42E-07	2.77E-09	4.44E-07	2.68E-12	8.1E-12	4.69E-12	7.41E-14	1.79E-12	9.88E-14	1.96307E-12	6.21E-07	1.7732E-05	7.4E-06	2.22948E-12	2.6085E-13	1.36961E-12	5.34147E-14
703	570950.6	4178799	0.55, 41787	0.34637	0.40141	159.46188	87.41269	19.93273	16.48069	8.13392E-09	5.92E-11	8.19E-09	3.74E-06	1.29E-08	3.76E-06	4.68E-07	2.94E-09	4.71E-07	2.53E-12	7.63E-12	4.42E-12	6.98E-14	1.69E-12	9.31E-14	1.84997E-12	5.852E-07	1.8788E-05	7.85E-06	2.10104E-12	2.45821E-13	1.2907E-12	5.03374E-14
704	570990.6	4178799	0.55, 41787	0.35579	0.40756	119.48057	79.68844	17.5796	14.60553	8.35513E-09	6.01E-11	8.42E-09	2.81E-06	1.18E-08	2.82E-06	4.13E-07	2.59E-09	4.15E-07	2.6E-12	7.84E-12	4.54E-12	7.17E-14	1.73E-12	9.56E-14	1.90013E-12	6.011E-07	1.4088E-05	6.92E-06	2.158E-12	2.52486E-13	1.32569E-12	5.1702E-14
705	571030.6	4178799	0.55, 41787	0.37225	0.416	155.14917	72.93395	24.86673	12.948	8.74166E-09	6.14E-11	8.8E-09	3.64E-06	1.08E-08	3.65E-06	5.84E-07	3.67E-09	5.88E-07	2.72E-12	8.2E-12	4.75E-12	7.5E-14	1.81E-12	1E-13	1.98769E-12	6.288E-07	1.8271E-05	9.79E-06	2.25744E-12	2.64121E-13	1.38678E-12	5.40845E-14
706	571070.6	4178799	0.55, 41787	0.3594	0.40135	158.59146	67.81733	22.65592	11.74555	8.4399E-09	5.92E-11	8.5E-09	3.72E-06	1.00E-08	3.73E-06	5.32E-07	3.34E-09	5.35E-07	2.62E-12	7.92E-12	4.58E-12	7.25E-14	1.75E-12	9.65E-14	1.91906E-12	6.071E-07	1.8671E-05	8.92E-06	2.1795E-12	2.55002E-13	1.3389E-12	5.22173E-14
707	571110.6	4178799	0.55, 41787	0.34191	0.38638	133.9595	62.41991	16.74494	10.40332	8.02918E-09	5.70E-11	8.09E-09	3.15E-06	9.21E-09	3.16E-06	3.93E-07	2.47E-09	3.96E-07	2.5E-12	7.53E-12	4.36E-12	6.89E-14	1.67E-12	9.19E-14	1.82583E-12	5.776E-07	1.5775E-05	6.59E-06	2.07361E-12	2.42613E-13	1.27385E-12	4.96803E-14
708	571150.6	4178799	0.55, 41787	0.32926	0.37153	140.52662	58.47073	17.56829	9.74512	7.73212E-09	5.48E-11	7.79E-09	3.3E-06	8.63E-09	3.31E-06	4.13E-07	2.59E-09	4.15E-07	2.4E-12	7.26E-12	4.2E-12	6.64E-14	1.6E-12	8.85E-14	1.75825E-12	5.562E-07	1.6543E-05	6.92E-06	1.99687E-12	2.33634E-13	1.22671E-12	4.78417E-14
709	571190.6	4178799	0.55, 41787	0.32393	0.35615	162.80337	55.99612	20.37225	9.46414	7.60695E-09	5.26E-11	7.66E-09	3.82E-06	8.26E-09	3.83E-06	4.78E-07	3.01E-09	4.81E-07	2.36E-12	7.14E-12	4.13E-12	6.53E-14	1.58E-12	8.7E-14	1.72948E-12	5.471E-07	1.9157E-05	8.02E-06	1.96419E-12	2.2981E-13	1.20663E-12	4.70588E-14
710	571230.6	4178799	0.55, 41787	0.31732	0.33876	141.0743	54.42569	17.72831	9.52966	7.45173E-09	5.00E-11	7.5E-09	3.31E-06	8.03E-09	3.32E-06	4.16E-07	2.62E-09	4.19E-07	2.31E-12	6.99E-12	4.05E-12	6.39E-14	1.54E-12	8.52E-14	1.69385E-12	5.358E-07	1.6605E-05	6.98E-06	1.92373E-12	2.25076E-13	1.18178E-12	4.60893E-14
711	571270.6	4178799	0.55, 41787	0.30415	0.32027	116.54381	51.24633	16.64912	9.13765	7.14245E-09	4.73E-11	7.19E-09	2.74E-06	7.56E-09	2.74E-06	3.91E-07	2.46E-09	3.93E-07	2.22E-12	6.7E-12	3.88E-12	6.13E-14	1.48E-12	8.17E-14	1.6234E-12	5.136E-07	1.3722E-05	6.56E-06	1.84372E-12	2.15715E-13	1.13263E-12	4.41724E-14
712	571310.6	4178799	0.55, 41787	0.28608	0.30211	111.77517	48.08718	15.28029	8.60329	6.71811E-09	4.46E-11	6.76E-09	2.62E-06	7.10E-09	2.63E-06	3.59E-07	2.25E-09	3.61E-07	2.09E-12	6.3E-12	3.65E-12	5.76E-14	1.39E-12	7.68E-14	1.52698E-12	4.83E-07	1.316E-05	6.02E-06	1.73421E-12	2.02903E-13	1.06536E-12	4.15488E-14
713	571350.6	4178799	0.55, 41787	0.26522	0.28423	116.94553	46.1941	15.97517	8.23917	6.22825E-09	4.19E-11	6.27E-09	2.75E-06	6.82E-09	2.75E-06	3.75E-07	2.36E-09	3.78E-07	1.93E-12	5.84E-12	3.38E-12	5.35E-14	1.29E-12	7.12E-14	1.41578E-12	4.479E-07	1.3765E-05	6.29E-06	1.60792E-12	1.88126E-13	9.87769E-13	3.8523E-14
714	571390.6	4178799	0.55, 41787	0.24309	0.26586	101.64822	44.37475	13.96186	7.97488	5.70856E-09	3.92E-11	5.75E-09	2.39E-06	6.55E-09	2.39E-06	3.28E-07	2.06E-09	3.3E-07	1.77E-12	5.36E-12	3.1E-12	4.9E-14	1.18E-12	6.53E-14	1.29782E-12	4.106E-07	1.1968E-05	5.5E-06	1.47395E-12	1.72453E-13	9.05474E-13	3.53135E-14
715	571430.6	4178799	0.55, 41787	0.22645	0.25105	78.66707	42.96369	10.22882	7.75525	5.3178E-09	3.70E-11	5.35E-09	1.85E-06	6.34E-09	1.85E-06	2.4E-07	1.51E-09	2.42E-07	1.65E-12	4.99E-12	2.89E-12	4.56E-14	1.1E-12	6.08E-14	1.2091E-12	3.825E-07	9.2685E-06	4.03E-06	1.37319E-12	1.60663E-13	8.43571E-13	3.28993E-14
716	571470.6	4178799	0.55, 41787	0.21325	0.23694	47.64153	41.84289	7.70461	7.45296	5.00782E-09	3.50E-11	5.04E-09	1.12E-06	6.17E-09	1.12E-06	1.81E-07	1.14E-09	1.82E-07	1.56E-12	4.7E-12	2.72E-12	4.3E-14	1.04E-12	5.73E-14	1.13864E-12	3.602E-07	5.6248E-06	3.03E-06	1.29316E-12	1.513E-13	7.94411E-13	3.0982E-14
717	571510.6	4178799	0.55, 41787	0.20623	0.22585	71.44774	40.73398	10.29216	7.00806	4.84296E-09	3.33E-11	4.88E-09	1.68E-06	6.01E-09	1.68E-06	2.42E-07	1.52E-09	2.43E-07	1.5E-12	4.54E-12	2.63E-12	4.16E-14	1E-12	5.54E-14	1.10104E-12	3.483E-07	8.4192E-06	4.05E-06	1.25047E-12	1.46305E-13	7.68183E-13	2.99591E-14
718	571550.6	4178799	0.55, 41787	0.19818	0.21228	94.10249	39.35835	13.01678	6.4744	4.65392E-09	3.13E-11	4.69E-09	2.21E-06	5.81E-09	2.22E-06	3.06E-07	1.92E-09	3.08E-07	1.45E-12	4.37E-12	2.53E-12	3.99E-14	9.65E-13	5.32E-14	1.05791E-12	3.347E-07	1.1078E-05	5.13E-06	1.20148E-12	1.40573E-13	7.38087E-13	2.87854E-14
719	571590.6	4178799	0.55, 41787	0.19254	0.20073	94.76849	37.66806	12.95063	6.01952	4.52148E-09	2.96E-11	4.55E-09	2.23E-06	5.56E-09	2.23E-06	3.04E-07	1.91E-09	3.06E-07	1.4E-12	4.24E-12	2.45E-12	3.88E-14	9.37E-13	5.17E-14	1.02762E-12	3.251E-07	1.1155E-05	5.1E-06	1.16708E-12	1.36548E-13	7.16954E-13	2.79612E-14
720	570310.6	4178839	0.55, 41788	0.10118	0.0904	86.93136	38.98232	10.86642	4.87279	2.37604E-09	1.33E-11	2.39E-09	2.04E-06	5.75E-09	2.05E-06	2.55E-07	1.60E-09	2.57E-07	7.37E-13	2.23E-12	1.29E-12	2.04E-14	4.92E-13	2.71E-14	5.39511E-13	1.707E-07	1.0236E-05	4.28E-06	6.12729E-13	7.16893E-14	3.7641E-13	1.468E-14
721	570350.6	4178839	0.55, 41788	0.1118	0.10104	92.10266	41.60712	11.51283	5.43734	2.62543E-09	1.49E-11	2.64E-09	2.16E-06	6.14E-09	2.17E-06	2.7E-07	1.70E-09	2.72E-07	8.15E-13	2.46E-12	1.42E-12	2.25E-14	5.44E-13	3E-14	5.96177E-13	1.886E-07	1.0845E-05	4.53E-06	6.77086E-13	7.9219E-14	4.15945E-13	1.62218E-14
722	570390.6	4178839	0.55, 41788	0.12335	0.11299	101.58992	44.39945	13.097	6.32134	2.89667E-09	1.67E-11	2.91E-09	2.39E-06	6.55E-09	2.39E-06	3.08E-07	1.93E-09	3.09E-07	8.99E-13	2.71E-12	1.57E-12	2.48E-14	6E-13	3.31E-14	6.57818E-13	2.081E-07	1.1961E-05	5.16E-06	7.47092E-13	8.74098E-14	4.58951E-13	1.78991E-14
723	570430.6	4178839	0.55, 41788	0.13612	0.12663	105.75261	46.22171	15.10752	6.99394	3.19655E-09	1.87E-11	3.22E-09	2.48E-06	6.82E-09	2.49E-06	3.55E-07	2.23E-09	3.57E-07	9.92E-13	3E-12	1.73E-12	2.74E-14	6.62E-13	3.65E-14	7.25985E-13	2.297E-07	1.2451E-05	5.95E-06	8.2451E-13	9.64676E-14	5.0651E-13	1.97539E-14
724	570470.6	4178839	0.55, 41788	0.14941	0.1416	113.55911	47.52324	16.22273	7.30549	3.50864E-09	2.09E-11	3.53E-09	2.67E-06	7.01E-09	2.67E-06	3.81E-07	2.39E-09	3.83E-07	1.09E-12	3.29E-12	1.9E-12	3.01E-14	7.27E-13	4.01E-14	7.96953E-13	2.521E-07	1.3369E-05	6.39E-06	9.05109E-13	1.05898E-13	5.56023E-13	2.16849E-14
725	570510.6	4178839	0.55, 41788	0.16314	0.158	114.44641	50.69094	16.21485	7.16417	3.83107E-09	2.33E-11	3.85E-09	2.69E-06	7.48E-09	2.7E-06	3.81E-07	2.39E-09	3.83E-07	1.19E-12	3.59E-12	2.08E-12	3.29E-14	7.94E-13	4.38E-14	8.70302E-13	2.753E-07	1.3475E-05	6.39E-06	9.88412E-13	1.15644E-13	6.07197E-13	2.36807E-14
726	570550.6	4178839	0.55, 41788	0.17704	0.17576	109.2842	56.30775	15.45924	8.75778	4.15749E-09	2.59E-11	4.18E-09	2.57E-06	8.31E-09	2.57E-06	3.63E-07	2.28E-09	3.65E-07	1.29E-12	3.9E-12	2.26E-12	3.57E-14	8.61E-13	4.75E-14	9.44597E-13	2.988E-07	1.2873E-05	6.09E-06	1.07279E-12	1.25516E-13	6.59032E-13	2.57023E-14
727	570590.6	4178839	0.55, 41788	0.1907	0.19445	121.04262	57.73789	17.123	9.62298	4.47827E-09	2.87E-11	4.51E-09	2.84E-06	8.52E-09	2.85E-06	4.02E-07	2.53E-09	4.05E-07	1.39E-12	4.2E-12	2.43E-12	3.84E-14	9.28E-13	5.12E-14	1.01765E-12	3.219E-07	1.4255E-05	6.74E-06	1.15576E-12	1.35224E-13	7.10001E-13	2.769E-14
728	570630.6	4178839	0.55, 41788	0.20316	0.21304	125.84874	56.85617	17.26057	9.47603	4.77087E-09	3.14E-11	4.8E-09	2.96E-06	8.39E-09	2.96E-06	4.05E-07	2.55E-09	4.08E-07	1.48E-12	4.47E-12	2.59E-12	4.09E-14	9.89E-13	5.46E-14	1.08434E-12	3.43E-07	1.4819E-05	6.8E-06	1.2315E-12	1.44085E-13	7.56528E-13	2.95046E-14
729	570670.6	4178839	0.55, 41788	0.21386	0.23043	138.80556	56.19819	17.35069	9.51337	5.02214E-09	3.40E-11	5.06E-09	3.26E-06	8.29E-09	3.27E-06	4.07E-07	2.56E-09	4.1E-07	1.56E-12	4.71E-12	2.73E-12	4.31E-14	1.04E-12	5.74E-14	1.14165E-12	3.612E-07	1.634E-05	6.83E-06	1.29659E-12	1.51701E-13	7.96516E-13	3.10641E-14
730	570710.6	4178839	0.55, 41788	0.22462	0.24643	139.69865	64.11019	17.46233	11.64998	5.27482E-09	3.64E-11	5.31E-09	3.28E-06	9.46E-09	3.29E-06	4.1E-07	2.58E-09	4.13E-07	1.64E-12	4.95E-12	2.86E-12	4.53E-14	1.09E-12	6.03E-14	1.19924E-12	3.794E-07	1.645E-05	6.88E-06	1.36199E-12	1.59353E-13	8.36694E-13	3.26311E-14
731	570750.6	4178839	0.55, 41788	0.23931	0.26333	129.30344	65.03758	16.25667	13.35444	5.61979E-09	3.89E-11	5.66E-09	3.04E-06	9.60E-09	3.05E-06	3.82E-07	2.40E-09	3.84E-07	1.75E-12	5.27E-12	3.05E-12	4.82E-14	1.17E-12	6.43E-14	1.2777E-12	4.042E-07	1.523E-05	6.4E-06	1.4511E-12	1.69778E-13	8.91431E-13	3.47658E-14
732	570790.6	4178839	0.55, 41788	0.2546	0.28325	148.04332	66.52984	18.88746	13.10425	5.97885E-09	4.18E-11	6.02E-09	3.48E-06	9.82E-09	3.49E-06	4.44E-07	2.79E-09	4.46E-07	1.86E-12	5.61E-12	3.25E-12	5.13E-14	1.24E-12	6.84E-14	1.35943E-12	4.3E-07	1.7432E-05	7.44E-06	1.54393E-12	1.80639E-13	9.48459E-13	3.69899E-14
733	570830.6	4178839	0.55, 41788	0.26766	0.30497	136.3658	90.38201	17.19519	14.05196	6.28554E-09	4.50E-11	6.33E-09	3.2E-06	1.33E-08	3.22E-06	4.04E-07	2.54E-09	4.06E-07	1.95E-12	5.9E-12	3.41E-12	5.4E-14	1.3E-12	7.19E-14	1.42941E-12	4.522E-07	1.6078E-05	6.77E-06	1.6234E-12	1.89937E-13	9.97278E-13	3.88938E-14
734	570870.6	4178839	0.55, 41788	0.28248	0.32215	145.76117	97.26265	18.22015	15.13016	6.63357E-09	4.75E-11	6.68E-09	3.42E-06	1.44E-08	3.44E-06	4.28E-07	2.69E-09	4.31E-07	2.06E-12	6.22E-12	3.6E-12	5.7E-14	1.38E-12	7.59E-14	1.50856E-12	4.772E-07	1.7187E-05	7.18E-06	1.71329E-12	2.00455E-13	1.0525E-12	4.10476E-14
735	570910.6	4178839	0.55, 41788	0.28799	0.33135	130.6935	87.1686	16.33669	13.50967	6.76296E-09	4.89E-11	6.81E-09	3.07E-06	1.29E-08	3.08E-06	3.84E-07	2.41E-09	3.86E-07	2.1E-12	6.35E-12	3.67E-12	5.81E-14	1.4E-12	7.74E-14	1.53808E-12	4.866E-07	1.541E-05	6.43E-06	1.74682E-12	2.04378E-13	1.0731E-12	4.18509E-14
736	570950.6	4178839	0.55, 41788	0.28758	0.33724	143.26415	81.64199	17.90802	13.93242	6.75333E-09	4.98E-11	6.8E-09	3.36E-06	1.20E-08	3.38E-06	4.21E-07	2.64E-09	4.23E-07	2.1E-12	6.34E-12	3.67E-12	5.8E-14	1.4E-12	7.73E-14	1.53611E-12	4.859E-07	1.6882E-05	7.05E-06	1.74458E-12	2.04115E-13	1.07172E-12	4.17971E-14
737	570990.6	4178839	0.55, 41788	0.28844	0.33412	115.42228	74.82901	15.11344	13.01217	6.77353E-09	4.93E-11	6.82E-09	2.71E-06	1.10E-08	2.72E-06	3.55E-07	2.23E-09	3.57E-07	2.11E-12	6.36E-12	3.68E-12	5.82E-14	1.4E-12	7.75E-14	1.54056E-12	4.873E-07	1.3608E-05	5.95E-06	1.74964E-12	2.04707E-13	1.07483E-12	4.19184E-14
738	571030.6	4178839	0.55, 41788	0.29049	0.32848	122.60648	67.85889	20.43441	11.21527	6.82167E-09	4.85E-11	6.87E-09	2.88E-06	1.00E-08	2.89E-06	4.8E-07	3.02E-09	4.83E-07	2.12E-12	6.4E-12	3.71E-12	5.86E-14	1.41E-12	7.8E-14	1.55125E-12	4.907E-07	1.4446E-05	8.05E-06	1.76177E-12	2.06127E-13	1.08228E-12	4.2209E-14
739	571070.6	4178839	0.55, 41788	0.28682	0.32211	145.80556	62.69899	22.09774	10.44682	6.73548E-09	4.75E-11	6.78E-09	3.42E-06	9.25E-09	3.43E-06	5.19E-07	3.26E-09	5.22E-07	2.09E-12	6.32E-12	3.66E-12	5.78E-14	1.4E-12	7.7E-14	1.53157E-12	4.845E-07	1.7166E-05	8.7E-06	1.73943E-12	2.03513E-13	1.06856E-12	4.16737E-14
740	571110.6	4178839	0.55, 41788	0.272	0.3104	131.09883	59.8466	17.36249	9.97443	6.38746E-09	4.58E-11	6.43E-09	3.08E-06	8.83E-09	3.09E-06	4.08E-07	2.56E-09	4.1E-07	1.99E-12	5.99E-12	3.47E-12	5.48E-14	1.32E-12	7.31E-14	1.4526E-12	4.595E-07	1.5437E-05	6.84E-06	1.64974E-12	1.93019E-13	1.01346E-12	3.95249E-14
741	571150.6	4178839	0.55, 41788	0.26	0.30055	99.99815	55.57889	12.49977	9.26315	6.10566E-09	4.44E-11	6.15E-09	2.35E-06	8.20E-09	2.36E-06	2.94E-07	1.84E-09	2.95E-07	1.9E-12	5.73E-12	3.32E-12	5.24E-14	1.27E-12	6.99E-14	1.38864E-12	4.393E-07	1.1782E-05	4.92E-06	1.5771E-12	1.84521E-13	9.68838E-13	3.77847E-14
742	571190.6	4178839	0.55, 41788	0.2552	0.29099	127.82601	53.11626	15.97966	8.85271	5.99294E-09	4.29E-11	6.04E-09	3E-06	7.84E-09	3.01E-06	3.75E-07	2.36E-09	3.78E-07	1.86E-12	5.62E-12	3.26E-12	5.15E-14	1.24E-12	6.86E-14	1.36287E-12	4.311E-07	1.5048E-05	6.29E-06	1.54783E-12	1.81096E-13	9.50858E-13	3.70835E-14
743	571230.6	4178839	0.55, 41788	0.25406	0.28009	144.46225	51.51588	18.06666	8.58598	5.96617E-09	4.13E-11	6.01E-09	3.39E-06	7.60E-09	3.4E-06	4.24E-07	2.67E-09	4.27E-07	1.85E-12	5.6E-12	3.24E-12	5.12E-14	1.24E-12	6.82E-14	1.35647E-12	4.291E-07	1.7E-05	7.12E-06	1.54055E-12	1.80245E-13	9.46388E-13	3.69091E-14
744	571270.6	4178839	0.55, 41788	0.2507	0.26766	121.82335	49.56018	15.26733	8.26003	5.88727E-09	3.95E-11	5.93E-09	2.86E-06	7.31E-09	2.87E-06	3.59E-07	2.25E-09	3.61E-07	1.83E-12	5.52E-12	3.2E-12	5.05E-14	1.22E-12	6.73E-14	1.33824E-12	4.233E-07	1.4341E-05	6.01E-06	1.51985E-12	1.77822E-13	9.33669E-13	3.64131E-14
745	571310.6	4178839	0.55, 41788	0.24184	0.25433	103.21026	44.65355	14.74432	7.58702	5.67921E-09	3.75E-11	5.72E-09	2.42E-06	6.59E-09	2.43E-06	3.46E-07	2.18E-09	3.48E-07	1.76E-12	5.33E-12	3.08E-12	4.87E-14	1.18E-12	6.49E-14	1.29081E-12	4.083E-07	1.2152E-05	5.81E-06	1.46599E-12	1.71521E-13	9.00582E-13	3.51227E-14
746	571350.6	4178839	0.55, 41788	0.22797	0.24079	99.0464	44.12829	14.35742	7.39344	5.35349E-09	3.55E-11	5.39E-09	2.33E-06	6.51E-09	2.33E-06	3.37E-07	2.12E-09	3.39E-07	1.66E-12	5.02E-12	2.91E-12	4.59E-14	1.11E-12	6.12E-14	1.21682E-12	3.849E-07	1.1662E-05	5.65E-06	1.38195E-12	1.61688E-13	8.48956E-13	3.31093E-14
747	571390.6	4178839	0.55, 41788	0.21103	0.22733	102.76287	42.76623	13.91866	7.25999	4.95568E-09	3.35E-11	4.99E-09	2.41E-06	6.31E-09	2.42E-06	3.27E-07	2.05E-09	3.29E-07	1.54E-12	4.65E-12	2.69E-12	4.25E-14	1.03E-12	5.67E-14	1.12654E-12	3.564E-07	1.2098E-05	5.48E-06	1.27943E-12	1.49693E-13	7.85975E-13	3.0653E-14
748	571430.6	4178839	0.55, 41788	0.19469	0.21494	96.70075	41.37793	13.13698	7.12068	4.57197E-09	3.17E-11	4.6E-09	2.27E-06	6.11E-09	2.28E-06	3.08E-07	1.94E-09	3.1E-07	1.42E-12	4.29E-12	2.48E-12	3.92E-14	9.48E-13	5.23E-14	1.03949E-12	3.288E-07	1.1385E-05	5.17E-06	1.18056E-12	1.38126E-13	7.25238E-13	2.82843E-14
749	571470.6	4178839	0.55, 41788	0.18137	0.20392	77.02264	40.18933	10.5662	6.94319	4.25917E-09	3.01E-11	4.29E-09	1.81E-06	5.93E-09	1.81E-06	2.48E-07	1.56E-09	2.5E-07	1.32E-12	4E-12	2.31E-12	3.66E-14	8.83E-13	4.87E-14	9.68495E-13	3.064E-07	9.0734E-06	4.16E-06	1.09993E-12	1.28692E-13	6.75706E-13	2.63525E-14
750	571510.6	4178839	0.55, 41788	0.17253	0.19446	52.60803	39.21497	7.34906	6.67327	4.05158E-09	2.87E-11	4.08E-09	1.24E-06	5.79E-09	1.24E-06	1.73E-07	1.08E-09	1.74E-07	1.26E-12	3.8E-12	2.2E-12	3.48E-14	8.4E-13	4.63E-14	9.21306E-13	2.914E-07	6.206E-06	2.89E-06	1.04634E-12	1.22422E-13	6.42783E-13	2.50685E-14
751	571550.6	4178839	0.55, 41788	0.16797	0.18619	68.59481	38.25365	9.65516	6.29212	3.94449E-09	2.75E-11	3.97E-09	1.61E-06	5.65E-09	1.62E-06	2.27E-07	1.42E-09	2.28E-07	1.23E-12	3.7E-12	2.14E-12	3.39E-14	8.18E-13	4.51E-14	8.96852E-13	2.837E-07	8.0824E-06	3.8E-06	1.01857E-12	1.19172E-13	6.25721E-13	2.44031E-14
752	571590.6	4178839	0.55, 41788	0.16271	0.17607	86.9293	37.04871	11.93163	5.86384	3.82097E-09	2.60E-11	3.85E-09	2.04E-06	5.47E-09	2.05E-06	2.8E-07	1.76E-09	2.82E-07	1.19E-12	3.58E-12	2.07E-12	3.28E-14	7.92E-13	4.37E-14	8.68624E-13	2.748E-07	1.0234E-05	4.7E-06	9.86506E-13	1.15421E-13	6.06027E-13	2.3635E-14
753	570839.2	4178446	9.17, 41784	74.46739	6.86955	1115.31188	246.53605	545.24687	92.47095	1.74874E-06	1.01E-09	1.75E-06	2.62E-05	3.64E-08	2.62E-05	1.28E-05	8.05E-08	1.29E-05	5.4E-10	1.63E-09	9.44E-10	1.49E-11	3.6E-10	1.99E-11	3.95086E-10	0.000125	0.00013114	0.000215	4.48704E-10	5.24984E-11	2.75646E-10	1.07502E-11
754	570839.2	4178486	9.17, 41784	72.70489	8.35312	2611.28562	240.43522	1286.82968	90.10385	1.70735E-06	1.23E-09	1.71E-06	6.13E-05	3.55E-08	6.14E-05	3.02E-05	1.90E-07	3.04E-05	5.27E-10	1.59E-09	9.22E-10	1.46E-11	3.52E-10	1.94E-11	3.8579E-10	0.000122	0.00030679	0.000507	4.38147E-10	5.12632E-11	2.69161E-10	1.04973E-11
755	570879.2	4178406	9.17, 41784	9.26791	12.09581	654.37651	281.54322	174.87233	99.71055	2.17641E-07	1.78E-09	2.19E-07	1.54E-05	4.15E-08	1.54E-05	4.11E-06	2.58E-08	4.13E-06	6.77E-11	2.04E-10	1.18E-10	1.87E-12	4.52E-11	2.49E-12	4.95454E-11	1.567E-05	7.7042E-05	6.89E-05	5.62693E-11	6.58351E-12	3.45671E-11	1.34812E-12
756	570879.2	4178446	9.17, 41784	110.98197	13.33715	3333.88644	260.53475	1717.50318	91.01179	2.60622E-06	1.97E-09	2.61E-06	7.83E-05	3.84E-08	7.83E-05	4.03E-05	2.53E-07	4.06E-05	8.05E-10	2.43E-09	1.41E-09	2.22E-11	5.37E-10	2.96E-11	5.88918E-10	0.0001863	0.00039165	0.000676	6.68841E-10	7.82544E-11	4.1088E-10	1.60243E-11
757	570879.2	4178486	9.17, 41784	18.42358	13.79846	473.0449	246.35325	141.68031	100.88031	4.32647E-07	2.04E-09	4.35E-07	1.11E-05	3.64E-08	1.11E-05	3.33E-06	2.09E-08	3.35E-06	1.34E-10	4.05E-10	2.34E-10	3.71E-12	8.95E-11	4.94E-12	9.81493E-11	3.105E-05	5.5725E-05	5.58E-05	1.11469E-10	1.30419E-11	6.84775E-11	2.67062E-12
758	570879.2	4178526	9.17, 41785	94.91809	17.71904	3340.71117	271.69492	1490.9797	113.49448	2.22899E-06	2.61E-09	2.23E-06	7.85E-05	4.01E-08	7.85E-05	3.5E-05	2.20E-07	3.52E-05	6.89E-10	2.08E-09	1.2E-09	1.9E-11	4.6E-10	2.53E-11	5.03886E-10	0.0001594	0.00039246	0.000587	5.72269E-10	6.69555E-11	3.51554E-10	1.37106E-11
759	570879.2	4178566	9.17, 41785	6.34056	7.84517	517.57011	248.69096	138.67192	92.32789	1.48897E-07	1.16E-09	1.5E-07	1.22E-05	3.67E-08	1.22E-05	3.26E-06	2.05E-08	3.28E-06	4.63E-11	1.4E-10	8.09E-11	1.28E-12	3.09E-11	1.7E-12	3.38817E-11	1.072E-05	6.0955E-05	5.46E-05	3.84799E-11	4.50215E-12	2.36388E-11	9.21914E-13
760	570919.2	4178366	9.17, 41783	2.36921	8.89638	279.82249	231.14799	50.20448	85.64726	5.56369E-08	1.31E-09	5.69E-08	6.57E-06	3.41E-08	6.61E-06	1.18E-06	7.41E-09	1.19E-06	1.76E-11	5.31E-11	3.07E-11	4.85E-13	1.17E-11	6.47E-13	1.2859E-11	4.068E-06	3.3026E-05	1.98E-05	1.46041E-11	1.70868E-12	8.97153E-12	3.4989E-13
761	570919.2	4178406	9.17, 41784	7.16288	18.51893	387.12304	281.06153	102.95605	123.97591	1.68208E-07	2.73E-09	1.71E-07	9.09E-06	4.15E-08	9.13E-06	2.42E-06	1.52E-08	2.43E-06	5.27E-11	1.59E-10	9.22E-11	1.46E-12	3.52E-11	1.94E-12	3.85977E-11	1.221E-05	4.5662E-05	4.05E-05	4.38358E-11	5.12879E-12	2.69291E-11	1.05023E-12
762	570919.2	4178446	9.17, 41784	30.90779	15.96768	761.46723	266.85593	290.35951	97.37786	7.25817E-07	2.36E-09	7.28E-07	1.79E-05	3.94E-08	1.79E-05	6.82E-06	4.28E-08	6.86E-06	2.25E-10	6.78E-10	3.93E-10	6.21E-12	1.5E-10	8.27E-12	1.64418E-10	5.201E-05	8.9606E-05	0.000114	1.86732E-10	2.18476E-11	1.14712E-10	4.47378E-12
763	570919.2	4178486	9.17, 41784	29.57453	18.16179	992.62163	281.14129	425.98322	121.6397	6.94508E-07	2.68E-09	6.97E-07	2.33E-05	4.15E-08	2.34E-05	1E-05	6.29E-08	1.01E-05	2.15E-10	6.5E-10	3.76E-10	5.94E-12	1.44E-10	7.92E-12	1.57422E-10	4.98E-05	0.00011676	0.000168	1.78786E-10	2.09179E-11	1.09831E-10	4.28341E-12
764	570919.2	4178526	9.17, 41785	19.47257	21.77306	427.44744	357.8357	126.47105	151.21701	4.57281E-07	3.21E-09	4.6E-07	1E-05	5.28E-08	1.01E-05	2.97E-06	1.87E-08	2.99E-06	1.42E-10	4.29E-10	2.48E-10	3.93E-12	9.48E-11	5.23E-12	1.03977E-10	3.289E-05	5.0453E-05	4.98E-05	1.18088E-10	1.38163E-11	7.25435E-11	2.8292E-12
765	570919.2	4178566	9.17, 41785	68.70701	17.81326	3547.24462	326.79695	1121.59815	123.62419	1.61347E-06	2.63E-09	1.62E-06	8.33E-05	4.82E-08	8.33E-05	2.63E-05	1.66E-07	2.65E-05	4.99E-10	1.51E-09	8.72E-10	1.38E-11	3.33E-10	1.84E-11	3.64907E-10	0.0001154	0.00041675	0.000442	4.14429E-10	4.84882E-11	2.54591E-10	9.92904E-12
766	570959.2	4178326	9.17, 41783	2.08146	12.83514	279.67021	252.56813	42.32993	97.81035	4.88796E-08	1.89E-09	5.08E-08	6.57E-06	3.73E-08	6.6E-06	9.94E-07	6.25E-09	1E-06	1.57E-11	4.73E-11	2.74E-11	4.33E-13	1.05E-11	5.77E-13	1.14644E-11	3.627E-06	3.3024E-05	1.67E-05	1.30203E-11	1.52338E-12	7.99859E-12	3.11945E-13
767	570959.2	4178366	9.17, 41783	2.97969	11.80225	241.09871	252.07126	42.48046	78.75938	6.9973E-08	1.74E-09	7.17E-08	5.66E-06	3.72E-08	5.7E-06	9.98E-07	6.27E-09	1E-06	2.21E-11	6.68E-11	3.87E-11	6.11E-13	1.48E-11	8.15E-13	1.61928E-11	5.122E-06	2.8495E-05	1.67E-05	1.83904E-11	2.15167E-12	1.12975E-11	4.40603E-13
768	570959.2	4178406	9.17, 41784	5.48321	18.00699	312.89849	292.26242	67.10795	111.57482	1.28764E-07	2.66E-09	1.31E-07	7.35E-06	4.31E-08	7.39E-06	1.58E-06	9.90E-09	1.59E-06	4.06E-11	1.22E-10	7.09E-11	1.12E-12	2.71E-11	1.49E-12	2.96743E-11	9.387E-06	3.6955E-05	2.64E-05	3.37014E-11	3.94307E-12	2.07033E-11	8.0743E-13
769	570959.2	4178446	9.17, 41784	13.2141	15.9724	471.07205	258.82785	129.31081	100.45092	3.10311E-07	2.36E-09	3.13E-07	1.11E-05	3.82E-08	1.11E-05	3.04E-06	1.91E-08	3.06E-06	9.65E-11	2.91E-10	1.69E-10	2.67E-12	6.44E-11	3.55E-12	7.05989E-11	2.233E-05	5.5503E-05	5.09E-05	8.018E-11	9.38107E-12	4.92559E-11	1.92098E-12
770	570959.2	4178486	9.17, 41784	61.20406	15.71053	1330.20017	250.50131	539.4281	101.77571	1.43727E-06	2.32E-09	1.44E-06	3.12E-05	3.70E-08	3.13E-05	1.27E-05	7.96E-08	1.27E-05	4.44E-10	1.34E-09	7.76E-10	1.23E-11	2.96E-10	1.64E-11	3.25053E-10	0.0001028	0.00015637	0.000212	3.69167E-10	4.31925E-11	2.26785E-10	8.84462E-12
771	570959.2	4178526	9.17, 41785	233.18259	14.04006	3491.90215	258.73899	1687.05022	110.68808	5.4759E-06	2.07E-09	5.48E-06	8.2E-05	3.82E-08	8.2E-05	3.96E-05	2.49E-07	3.99E-05	1.69E-09	5.1E-09	2.95E-09	4.67E-11	1.13E-09	6.22E-11	1.2369E-09	0.0003913	0.0004102	0.000664	1.40476E-09	1.64357E-10	8.62968E-10	3.36558E-11
772	570999.2	4178286	9.17, 41782	4.82709	7.01905	541.05323	230.67805	117.6944	82.70868	1.13356E-07	1.04E-09	1.14E-07	1.27E-05	3.40E-08	1.27E-05	2.76E-06	1.74E-08	2.78E-06	3.53E-11	1.07E-10	6.17E-11	9.75E-13	2.36E-11	1.3E-12	2.58291E-11	8.171E-06	6.3699E-05	4.64E-05	2.93345E-11	3.43213E-12	1.80206E-11	7.02805E-13

773	570999.2	4178326	9.17, 41783	3.49216	17.23511	334.8047	281.26172	73.88295	121.01705	8.20075E-08	2.54E-09	8.46E-08	7.86E-06	4.15E-08	7.9E-06	1.74E-06	1.09E-08	1.75E-06	2.61E-11	7.88E-11	4.56E-11	7.21E-13	1.74E-11	9.6E-13	1.90912E-11	6.039E-06	3.9519E-05	2.91E-05	2.16821E-11	2.5368E-12	1.33197E-11	5.19467E-13
774	570999.2	4178366	9.17, 41783	3.49499	15.86199	258.09779	262.50756	51.99585	99.38677	8.2074E-08	2.34E-09	8.44E-08	6.06E-06	3.87E-08	6.1E-06	1.22E-06	7.67E-09	1.23E-06	2.6E-11	7.87E-11	4.55E-11	7.2E-13	1.74E-11	9.59E-13	1.90604E-11	6.03E-06	3.0499E-05	2.05E-05	2.16472E-11	2.53272E-12	1.32982E-11	5.1863E-13
775	570999.2	4178406	9.17, 41784	4.67229	14.08019	269.25985	258.20089	48.54927	90.52886	1.09721E-07	2.08E-09	1.12E-07	6.32E-06	3.81E-08	6.36E-06	1.14E-06	7.16E-09	1.15E-06	3.45E-11	1.04E-10	6.03E-11	9.53E-13	2.3E-11	1.27E-12	2.52436E-11	7.986E-06	3.1806E-05	1.91E-05	2.86695E-11	3.35433E-12	1.76121E-11	6.86873E-13
776	570999.2	4178446	9.17, 41784	8.21208	17.59623	365.10896	254.50285	80.87758	113.65243	1.92847E-07	2.60E-09	1.95E-07	8.57E-06	3.76E-08	8.61E-06	1.9E-06	1.19E-08	1.91E-06	6.03E-11	1.82E-10	1.05E-10	1.67E-12	4.02E-11	2.22E-12	4.41302E-11	1.396E-05	4.3058E-05	3.19E-05	5.01192E-11	5.86395E-12	3.0789E-11	1.20077E-12
777	570999.2	4178486	9.17, 41784	18.06608	14.21786	585.19163	263.25351	156.20535	101.07997	4.24251E-07	2.10E-09	4.26E-07	1.37E-05	3.88E-08	1.38E-05	3.67E-06	2.31E-08	3.69E-06	1.32E-10	3.97E-10	2.3E-10	3.63E-12	8.78E-11	4.84E-12	9.62677E-11	3.045E-05	6.8905E-05	6.15E-05	1.09332E-10	1.27919E-11	6.71647E-11	2.61942E-12
778	571039.2	4178246	9.17, 41782	16.91212	6.90765	857.31055	271.11205	274.95229	93.64332	3.97153E-07	1.02E-09	3.98E-07	2.01E-05	4.00E-08	2.02E-05	6.46E-06	4.06E-08	6.5E-06	1.23E-10	3.71E-10	2.15E-10	3.39E-12	8.2E-11	4.52E-12	8.99053E-11	2.844E-05	0.00010086	0.000108	1.02107E-10	1.19465E-11	6.27257E-11	2.4463E-12
779	571039.2	4178286	9.17, 41782	28.85834	15.10006	1240.055	260.3069	549.80999	92.85324	6.7769E-07	2.23E-09	6.8E-07	2.91E-05	3.84E-08	2.92E-05	1.29E-05	8.11E-08	1.3E-05	2.1E-10	6.33E-10	3.67E-10	5.8E-12	1.4E-10	7.72E-12	1.53522E-10	4.857E-05	0.0001458	0.000217	1.74357E-10	2.03998E-11	1.0711E-10	4.1773E-12
780	571039.2	4178326	9.17, 41783	6.67676	17.1171	443.85334	276.43557	131.23026	111.87763	1.56792E-07	2.53E-09	1.59E-07	1.04E-05	4.08E-08	1.05E-05	3.08E-06	1.94E-08	3.1E-06	4.92E-11	1.48E-10	8.59E-11	1.36E-12	3.28E-11	1.81E-12	3.59733E-11	1.138E-05	5.232E-05	5.17E-05	4.08553E-11	4.78008E-12	2.50981E-11	9.78826E-13
781	571039.2	4178366	9.17, 41783	4.40971	16.57374	310.01939	259.88486	73.97776	106.04392	1.03555E-07	2.45E-09	1.06E-07	7.28E-06	3.84E-08	7.32E-06	1.74E-06	1.09E-08	1.75E-06	3.27E-11	9.88E-11	5.72E-11	9.04E-13	2.18E-11	1.2E-12	2.39344E-11	7.571E-06	3.6593E-05	2.91E-05	2.71826E-11	3.18036E-12	1.66987E-11	6.51249E-13
782	571039.2	4178406	9.17, 41784	4.40492	15.47088	249.62047	251.60574	54.55389	95.67705	1.03442E-07	2.28E-09	1.06E-07	5.86E-06	3.71E-08	5.9E-06	1.28E-06	8.05E-09	1.29E-06	3.26E-11	9.85E-11	5.7E-11	9.01E-13	2.18E-11	1.2E-12	2.38722E-11	7.552E-06	2.9495E-05	2.15E-05	2.7112E-11	3.1721E-12	1.66553E-11	6.49558E-13
783	571039.2	4178446	9.17, 41784	6.02235	17.33371	271.18693	258.43077	53.34538	113.33058	1.41425E-07	2.56E-09	1.44E-07	6.37E-06	3.81E-08	6.41E-06	1.25E-06	7.87E-09	1.26E-06	4.44E-11	1.34E-10	7.77E-11	1.23E-12	2.96E-11	1.64E-12	3.25106E-11	1.028E-05	3.2033E-05	2.1E-05	3.69227E-11	4.31995E-12	2.26822E-11	8.84606E-13
784	571079.2	4178246	9.17, 41782	26.90238	12.76385	686.22219	257.40547	294.80616	92.56412	6.31757E-07	1.88E-09	6.34E-07	1.61E-05	3.80E-08	1.62E-05	6.92E-06	4.35E-08	6.97E-06	1.96E-10	5.9E-10	3.42E-10	5.4E-12	1.3E-10	7.2E-12	1.43073E-10	4.526E-05	8.0764E-05	0.000116	1.6249E-10	1.90113E-11	9.98201E-11	3.89298E-12
785	571079.2	4178286	9.17, 41782	49.90964	15.92317	957.6563	283.49226	414.11972	108.09945	1.17204E-06	2.35E-09	1.17E-06	2.25E-05	4.18E-08	2.25E-05	9.72E-06	6.11E-08	9.79E-06	3.62E-10	1.09E-09	6.33E-10	1E-11	2.42E-10	1.33E-11	2.65172E-10	8.389E-05	0.00011265	0.000163	3.0116E-10	3.52357E-11	1.85007E-10	7.21528E-12
786	571079.2	4178326	9.17, 41783	16.67986	14.36437	793.60016	243.70787	313.14105	91.11491	3.91698E-07	2.12E-09	3.94E-07	1.86E-05	3.60E-08	1.87E-05	7.35E-06	4.62E-08	7.4E-06	1.22E-10	3.67E-10	2.12E-10	3.36E-12	8.11E-11	4.47E-12	8.89223E-11	2.813E-05	9.3362E-05	0.000123	1.0099E-10	1.18158E-11	6.20398E-11	2.41955E-12
787	571079.2	4178366	9.17, 41783	6.18218	17.09307	419.38901	255.0076	110.95083	108.56867	1.45178E-07	2.52E-09	1.48E-07	9.85E-06	3.76E-08	9.89E-06	2.61E-06	1.64E-08	2.62E-06	4.56E-11	1.38E-10	7.97E-11	1.26E-12	3.04E-11	1.68E-12	3.33501E-11	1.055E-05	4.9431E-05	4.37E-05	3.78761E-11	4.4315E-12	2.32679E-11	9.07447E-13
788	571079.2	4178406	9.17, 41784	4.42977	14.91	310.20505	209.99469	72.09993	91.11305	1.04026E-07	2.20E-09	1.06E-07	7.28E-06	3.10E-08	7.32E-06	1.69E-06	1.06E-08	1.7E-06	3.28E-11	9.9E-11	5.73E-11	9.06E-13	2.19E-11	1.21E-12	2.39853E-11	7.588E-06	3.6578E-05	2.84E-05	2.72404E-11	3.18713E-12	1.67342E-11	6.52635E-13
789	571119.2	4178286	9.17, 41782	25.0824	15.07438	507.91812	256.39153	211.8106	106.96205	5.89018E-07	2.22E-09	5.91E-07	1.19E-05	3.78E-08	1.2E-05	4.97E-06	3.13E-08	5.01E-06	1.82E-10	5.51E-10	3.19E-10	5.04E-12	1.22E-10	6.72E-12	1.335E-10	4.223E-05	5.9827E-05	8.34E-05	1.51617E-10	1.77392E-11	9.31409E-11	3.6325E-12
790	571119.2	4178326	9.17, 41783	197.49067	14.51391	3348.29445	230.6601	1622.72219	95.52079	4.63774E-06	2.14E-09	4.64E-06	7.86E-05	3.40E-08	7.87E-05	3.81E-05	2.39E-07	3.83E-05	1.43E-09	4.32E-09	2.5E-09	3.96E-11	9.55E-10	5.27E-11	1.04766E-09	0.0003314	0.00039332	0.000639	1.18984E-09	1.39212E-10	7.3094E-10	2.85066E-11
791	571119.2	4178366	9.17, 41783	10.01384	12.46582	630.48898	206.62645	198.58486	83.22549	2.35158E-07	1.84E-09	2.37E-07	1.48E-05	3.05E-08	1.48E-05	4.66E-06	2.93E-08	4.69E-06	7.31E-11	2.21E-10	1.28E-10	2.02E-12	4.88E-11	2.69E-12	5.3513E-11	1.693E-05	7.4182E-05	7.82E-05	6.07753E-11	7.11071E-12	3.73353E-11	1.45608E-12
792	571159.2	4178326	9.17, 41783	219.15803	19.05137	3124.9508	277.70648	1560.39264	128.55095	5.14656E-06	2.81E-09	5.15E-06	7.34E-05	4.10E-08	7.34E-05	3.66E-05	2.30E-07	3.69E-05	1.59E-09	4.8E-09	2.78E-09	4.39E-11	1.06E-09	5.85E-11	1.1627E-09	0.0003678	0.00036713	0.000615	1.3205E-09	1.54498E-10	8.11202E-10	3.16369E-11
793	570808.8	4178465	8.82, 41784	10.95844	3.34212	1253.90468	193.66587	302.59047	56.7134	2.57341E-07	4.93E-10	2.58E-07	2.94E-05	2.86E-08	2.95E-05	7.11E-06	4.47E-08	7.15E-06	7.96E-11	2.4E-10	1.39E-10	2.2E-12	5.31E-11	2.93E-12	5.82176E-11	1.842E-05	0.00014737	0.000119	6.61185E-11	7.73586E-12	4.06176E-11	1.58409E-12
794	570823.9	4178530	3.91, 41785	3.05561	3.25593	358.64643	197.99385	70.39413	63.38636	7.17559E-08	4.80E-10	7.22E-08	8.42E-06	2.92E-08	8.45E-06	1.65E-06	1.04E-08	1.66E-06	2.23E-11	6.73E-11	3.9E-11	6.16E-13	1.49E-11	8.21E-13	1.63106E-11	5.16E-06	4.2257E-05	2.77E-05	1.85242E-11	2.16733E-12	1.13797E-11	4.43808E-13
795	570883.3	4178602	3.31, 41786	3.07425	4.49746	479.66242	287.53386	94.76169	103.00469	7.21936E-08	6.64E-10	7.29E-08	1.13E-05	4.24E-08	1.13E-05	2.23E-06	1.40E-08	2.24E-06	2.25E-11	6.79E-11	3.93E-11	6.21E-13	1.5E-11	8.28E-13	1.64508E-11	5.204E-06	5.6532E-05	3.73E-05	1.86834E-11	2.18596E-12	1.14775E-11	4.47623E-13
796	571181.5	4178310	1.45, 41783	77.30582	13.12592	2585.53888	242.23364	872.95261	114.20023	1.8154E-06	1.94E-09	1.82E-06	6.07E-05	3.57E-08	6.08E-05	2.05E-05	1.29E-07	2.06E-05	5.61E-10	1.69E-09	9.8E-10	1.55E-11	3.74E-10	2.06E-11	4.10345E-10	0.0001298	0.00030376	0.000344	4.66034E-10	5.4526E-11	2.86292E-10	1.11654E-11
797	571067.8	4178207	7.83, 41782	5.36607	4.9243	895.65181	299.02694	223.56067	96.05921	1.26013E-07	7.27E-10	1.27E-07	2.1E-05	4.41E-08	2.11E-05	5.25E-06	3.30E-08	5.28E-06	3.91E-11	1.18E-10	6.84E-11	1.08E-12	2.61E-11	1.44E-12	2.86172E-11	9.053E-06	0.00010539	8.8E-05	3.25009E-11	3.80261E-12	1.99659E-11	7.78668E-13
798	570799.9	4178447	9.89, 41784	4.88888	2.78293	732.83791	152.28075	142.77112	52.0733	1.14807E-07	4.11E-10	1.15E-07	1.72E-05	2.25E-08	1.72E-05	3.35E-06	2.11E-08	3.37E-06	3.56E-11	1.07E-10	6.21E-11	9.82E-13	2.37E-11	1.31E-12	2.60156E-11	8.23E-06	8.616E-05	5.62E-05	2.95463E-11	3.45691E-12	1.81507E-11	7.07879E-13
799	490186.7	3860535	6.72, 38605	0.00149		8.11608			1.15944	3.49901E-11	0.00E+00	3.5E-11	1.91E-07	0.00E+00	1.91E-07	0	0.00E+00	0	1.08E-14	3.26E-14	1.89E-14	2.98E-16	7.2E-15	3.97E-16	7.90061E-15	2.499E-09	9.5296E-07	0	8.97281E-15	1.04982E-15	5.51215E-15	2.14974E-16

Selenium

	Trenching	Grading
Emissions Rate (g/s):	4.21E-10	2.64E-12

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	0	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	0	10	2	70	0.85
2<9	631	1	0.854795	0.000001	0	3	0.75	70	0.72
Student	520	1	0.493151	0.000001	0	3	3	70	1
Worker	230	1	0.684932	0.000001	0	1	3	70	1

Selenium

	Chronic (Annu	Acute (1hr)	8hr
REL:	20	1	1

				Concentration [µg/m^3] at 1 g/s						Concentration (µg/m^3) Unmitigated									Unmitigated Residential Dose			Risk by Age Group				Unmitigated			Student Unmitigated		Worker Unmitigated	
#	X	Y	X,Y	Trenching Period	Grading Period	Treching 1hr	Grading 1hr	Trenching 8hr	Grading 8hr	Trenching Period	Grading Period	Period Tota	reching 1h	Grading 1hr	1hr Total	renching 8h	Grading 8hr	8hr Total	3rd	0<2	2<9	3rd	0<2	2<9	Total Risk	Chronic	Acute	8hr	Dose	Risk	Dose	Risk
1	570310.6	4177919	0.55, 41779	0.08215	0.06425	53.98877	25.74637	6.7486	3.78109	3.45522E-11	1.70E-13	3.47E-11	2.27E-08	6.80E-11	2.28E-08	2.84E-09	1.78E-11	2.86E-09	1.07E-14	3.24E-14	1.87E-14	0	0	0	0	1.736E-12	2.2776E-08	2.86E-09	8.90406E-15	0	5.46991E-15	0
2	570350.6	4177919	0.55, 41779	0.08744	0.06946	61.34869	26.43683	7.66859	3.66465	3.67772E-11	1.84E-13	3.7E-11	2.58E-08	6.99E-11	2.59E-08	3.23E-09	2.03E-11	3.25E-09	1.14E-14	3.44E-14	1.99E-14	0	0	0	0	1.848E-12	2.5873E-08	3.25E-09	9.47816E-15	0	5.82259E-15	0
3	570390.6	4177919	0.55, 41779	0.09273	0.07514	67.57642	27.23616	8.44705	3.80844	3.90021E-11	1.99E-13	3.92E-11	2.84E-08	7.20E-11	2.85E-08	3.55E-09	2.23E-11	3.58E-09	1.21E-14	3.65E-14	2.11E-14	0	0	0	0	1.96E-12	2.8495E-08	3.58E-09	1.00526E-14	0	6.17546E-15	0
4	570430.6	4177919	0.55, 41779	0.09799	0.08123	71.34976	28.07066	8.91872	4.01428	4.12145E-11	2.15E-13	4.14E-11	3E-08	7.42E-11	3.01E-08	3.75E-09	2.36E-11	3.77E-09	1.28E-14	3.86E-14	2.23E-14	0	0	0	0	2.071E-12	3.0084E-08	3.77E-09	1.0624E-14	0	6.52652E-15	0
5	570470.6	4177919	0.55, 41779	0.10292	0.08757	71.34124	28.88227	8.91766	4.18506	4.3288E-11	2.31E-13	4.35E-11	3E-08	7.63E-11	3.01E-08	3.75E-09	2.36E-11	3.77E-09	1.34E-14	4.05E-14	2.35E-14	0	0	0	0	2.176E-12	3.0082E-08	3.77E-09	1.11601E-14	0	6.85581E-15	0
6	570510.6	4177919	0.55, 41779	0.10719	0.09397	70.57748	29.51269	8.82218	4.31581	4.5084E-11	2.48E-13	4.53E-11	2.97E-08	7.80E-11	2.98E-08	3.71E-09	2.33E-11	3.73E-09	1.4E-14	4.22E-14	2.45E-14	0	0	0	0	2.267E-12	2.9763E-08	3.73E-09	1.1625E-14	0	7.1414E-15	0
7	570550.6	4177919	0.55, 41779	0.11095	0.10041	80.02506	30.00614	10.00313	4.88273	4.66655E-11	2.65E-13	4.69E-11	3.37E-08	7.93E-11	3.37E-08	4.21E-09	2.64E-11	4.23E-09	1.45E-14	4.37E-14	2.53E-14	0	0	0	0	2.347E-12	3.3738E-08	4.23E-09	1.20349E-14	0	7.39321E-15	0
8	570590.6	4177919	0.55, 41779	0.11537	0.10684	81.14556	31.22548	10.14319	5.49199	4.85245E-11	2.82E-13	4.88E-11	3.41E-08	8.25E-11	3.42E-08	4.27E-09	2.68E-11	4.29E-09	1.51E-14	4.55E-14	2.63E-14	0	0	0	0	2.44E-12	3.4212E-08	4.29E-09	1.2516E-14	0	7.68876E-15	0
9	570630.6	4177919	0.55, 41779	0.12154	0.11343	82.02682	32.76834	10.54682	6.07261	5.11196E-11	3.00E-13	5.14E-11	3.45E-08	8.66E-11	3.46E-08	4.44E-09	2.79E-11	4.46E-09	1.59E-14	4.79E-14	2.77E-14	0	0	0	0	2.571E-12	3.4587E-08	4.46E-09	1.31859E-14	0	8.10032E-15	0
10	570670.6	4177919	0.55, 41779	0.12896	0.11974	90.28793	34.09351	12.11861	6.60764	5.42404E-11	3.16E-13	5.46E-11	3.8E-08	9.01E-11	3.81E-08	5.1E-09	3.20E-11	5.13E-09	1.68E-14	5.08E-14	2.94E-14	0	0	0	0	2.728E-12	3.8065E-08	5.13E-09	1.39905E-14	0	8.59458E-15	0
11	570710.6	4177919	0.55, 41779	0.13589	0.12543	92.03158	38.34133	11.50395	7.03486	5.71552E-11	3.32E-13	5.75E-11	3.87E-08	1.01E-10	3.88E-08	4.84E-09	3.04E-11	4.87E-09	1.77E-14	5.36E-14	3.1E-14	0	0	0	0	2.874E-12	3.881E-08	4.87E-09	1.47418E-14	0	9.05613E-15	0
12	570750.6	4177919	0.55, 41779	0.14097	0.13029	98.93292	42.68075	12.36662	7.25038	5.92918E-11	3.44E-13	5.96E-11	4.16E-08	1.13E-10	4.17E-08	5.2E-09	3.27E-11	5.23E-09	1.84E-14	5.56E-14	3.22E-14	0	0	0	0	2.982E-12	4.1724E-08	5.23E-09	1.5293E-14	0	9.39474E-15	0
13	570790.6	4177919	0.55, 41779	0.1434	0.13429	101.78306	44.96916	12.72288	7.16867	6.03139E-11	3.55E-13	6.07E-11	4.28E-08	1.19E-10	4.29E-08	5.35E-09	3.36E-11	5.38E-09	1.87E-14	5.65E-14	3.27E-14	0	0	0	0	3.033E-12	4.2929E-08	5.38E-09	1.55578E-14	0	9.55742E-15	0
14	570830.6	4177919	0.55, 41779	0.14249	0.1373	103.05806	46.92439	12.88226	6.63254	5.99311E-11	3.63E-13	6.03E-11	4.33E-08	1.24E-10	4.35E-08	5.42E-09	3.40E-11	5.45E-09	1.86E-14	5.62E-14	3.25E-14	0	0	0	0	3.015E-12	4.347E-08	5.45E-09	1.54617E-14	0	9.49838E-15	0
15	570870.6	4177919	0.55, 41779	0.13915	0.13926	113.81753	49.41272	14.22719	6.17659	5.85263E-11	3.68E-13	5.89E-11	4.79E-08	1.31E-10	4.8E-08	5.98E-09	3.76E-11	6.02E-09	1.82E-14	5.49E-14	3.18E-14	0	0	0	0	2.945E-12	4.8002E-08	6.02E-09	1.51028E-14	0	9.27789E-15	0
16	570910.6	4177919	0.55, 41779	0.13537	0.14116	103.09741	52.00284	16.13684	6.50036	5.69365E-11	3.73E-13	5.73E-11	4.34E-08	1.37E-10	4.35E-08	6.79E-09	4.27E-11	6.83E-09	1.77E-14	5.34E-14	3.09E-14	0	0	0	0	2.865E-12	4.35E-08	6.83E-09	1.46964E-14	0	9.02822E-15	0
17	570950.6	4177919	0.55, 41779	0.13129	0.14261	128.63222	54.75687	19.7206	7.6051	5.52204E-11	3.77E-13	5.56E-11	5.41E-08	1.45E-10	5.42E-08	8.29E-09	5.21E-11	8.35E-09	1.72E-14	5.18E-14	3E-14	0	0	0	0	2.78E-12	5.4247E-08	8.35E-09	1.42573E-14	0	8.75849E-15	0
18	570990.6	4177919	0.55, 41779	0.12715	0.1442	126.51514	58.01026	18.07359	9.36612	5.34792E-11	3.81E-13	5.39E-11	5.32E-08	1.53E-10	5.34E-08	7.6E-09	4.78E-11	7.65E-09	1.66E-14	5.02E-14	2.91E-14	0	0	0	0	2.693E-12	5.3365E-08	7.65E-09	1.38118E-14	0	8.48484E-15	0
19	571030.6	4177919	0.55, 41779	0.12254	0.14609	125.39004	62.99788	17.19472	10.49965	5.15402E-11	3.86E-13	5.19E-11	5.27E-08	1.67E-10	5.29E-08	7.23E-09	4.54E-11	7.28E-09	1.6E-14	4.84E-14	2.8E-14	0	0	0	0	2.596E-12	5.2905E-08	7.28E-09	1.33159E-14	0	8.18017E-15	0
20	571070.6	4177919	0.55, 41779	0.1201	0.14847	126.80092	67.58831	16.22667	10.87469	5.05139E-11	3.92E-13	5.09E-11	5.33E-08	1.79E-10	5.35E-08	6.82E-09	4.29E-11	6.87E-09	1.57E-14	4.74E-14	2.75E-14	0	0	0	0	2.545E-12	5.3511E-08	6.87E-09	1.30543E-14	0	8.01949E-15	0
21	571110.6	4177919	0.55, 41779	0.1205	0.15044	126.62476	68.47754	20.2586	9.61445	5.06822E-11	3.98E-13	5.11E-11	5.33E-08	1.81E-10	5.34E-08	8.52E-09	5.35E-11	8.57E-09	1.58E-14	4.76E-14	2.76E-14	0	0	0	0	2.554E-12	5.3439E-08	8.57E-09	1.30988E-14	0	8.04682E-15	0
22	571150.6	4177919	0.55, 41779	0.1212	0.15159	131.66409	62.22893	21.10658	9.19459	5.09766E-11	4.01E-13	5.14E-11	5.54E-08	1.64E-10	5.55E-08	8.88E-09	5.58E-11	8.93E-09	1.59E-14	4.79E-14	2.77E-14	0	0	0	0	2.569E-12	5.5542E-08	8.93E-09	1.31751E-14	0	8.09368E-15	0
23	571190.6	4177919	0.55, 41779	0.12215	0.15198	137.85581	66.48698	19.69369	10.25241	5.13762E-11	4.02E-13	5.18E-11	5.8E-08	1.76E-10	5.82E-08	8.28E-09	5.21E-11	8.34E-09	1.6E-14	4.82E-14	2.79E-14	0	0	0	0	2.589E-12	5.8158E-08	8.34E-09	1.32778E-14	0	8.15678E-15	0
24	571230.6	4177919	0.55, 41779	0.12354	0.15154	148.65332	75.08948	21.23619	9.50538	5.19608E-11	4.01E-13	5.24E-11	6.25E-08	1.98E-10	6.27E-08	8.93E-09	5.61E-11	8.99E-09	1.62E-14	4.88E-14	2.82E-14	0	0	0	0	2.618E-12	6.2722E-08	8.99E-09	1.34275E-14	0	8.2487E-15	0
25	571270.6	4177919	0.55, 41779	0.12544	0.15047	135.01221	73.55453	18.66937	9.80753	5.27599E-11	3.98E-13	5.32E-11	5.68E-08	1.94E-10	5.7E-08	7.85E-09	4.93E-11	7.9E-09	1.64E-14	4.95E-14	2.87E-14	0	0	0	0	2.658E-12	5.698E-08	7.9E-09	1.36317E-14	0	8.37415E-15	0
26	571310.6	4177919	0.55, 41779	0.12844	0.14895	144.25948	74.57026	18.03243	9.63087	5.40217E-11	3.94E-13	5.44E-11	6.07E-08	1.97E-10	6.09E-08	7.58E-09	4.77E-11	7.63E-09	1.68E-14	5.07E-14	2.94E-14	0	0	0	0	2.721E-12	6.0872E-08	7.63E-09	1.39542E-14	0	8.57229E-15	0
27	571350.6	4177919	0.55, 41779	0.13264	0.1484	134.13439	65.82548	16.7668	8.49886	5.57882E-11	3.92E-13	5.62E-11	5.64E-08	1.74E-10	5.66E-08	7.05E-09	4.43E-11	7.1E-09	1.73E-14	5.23E-14	3.03E-14	0	0	0	0	2.809E-12	5.6591E-08	7.1E-09	1.44068E-14	0	8.85035E-15	0
28	571390.6	4177919	0.55, 41779	0.13487	0.1464	140.45529	51.40311	17.55691	7.98518	5.67262E-11	3.87E-13	5.71E-11	5.91E-08	1.36E-10	5.92E-08	7.38E-09	4.64E-11	7.43E-09	1.76E-14	5.32E-14	3.08E-14	0	0	0	0	2.856E-12	5.9211E-08	7.43E-09	1.4646E-14	0	8.99727E-15	0
29	571430.6	4177919	0.55, 41779	0.14548	0.15293	139.19794	49.3636	17.39974	7.65374	6.11887E-11	4.04E-13	6.16E-11	5.85E-08	1.30E-10	5.87E-08	7.32E-09	4.60E-11	7.36E-09	1.9E-14	5.74E-14	3.32E-14	0	0	0	0	3.08E-12	5.8677E-08	7.36E-09	1.57948E-14	0	9.703E-15	0
30	571470.6	4177919	0.55, 41779	0.15916	0.16179	134.87595	45.89373	16.85949	6.86379	6.69425E-11	4.28E-13	6.74E-11	5.67E-08	1.21E-10	5.68E-08	7.09E-09	4.46E-11	7.14E-09	2.08E-14	6.28E-14	3.63E-14	0	0	0	0	3.369E-12	5.685E-08	7.14E-09	1.72763E-14	0	1.06131E-14	0
31	571510.6	4177919	0.55, 41779	0.17426	0.17151	122.2315	42.4201	15.27894	5.85942	7.32936E-11	4.53E-13	7.37E-11	5.14E-08	1.12E-10	5.15E-08	6.43E-09	4.04E-11	6.47E-09	2.28E-14	6.87E-14	3.98E-14	0	0	0	0	3.687E-12	5.1523E-08	6.47E-09	1.89115E-14	0	1.16177E-14	0
32	571550.6	4177919	0.55, 41779	0.18787	0.18026	112.99449	35.73716	14.12431	5.76206	7.90179E-11	4.76E-13	7.95E-11	4.75E-08	9.45E-11	4.76E-08	5.94E-09	3.73E-11	5.98E-09	2.45E-14	7.41E-14	4.29E-14	0	0	0	0	3.975E-12	4.762E-08	5.98E-09	2.03854E-14	0	1.25231E-14	0
33	571590.6	4177919	0.55, 41779	0.19949	0.18751	94.68734	29.26563	11.83592	5.30509	8.39053E-11	4.96E-13	8.44E-11	3.98E-08	7.73E-11	3.99E-08	4.98E-09	3.13E-11	5.01E-09	2.6E-14	7.86E-14	4.55E-14	0	0	0	0	4.22E-12	3.9903E-08	5.01E-09	2.16436E-14	0	1.3296E-14	0
34	570310.6	4177959	0.55, 41779	0.08597	0.06676	56.89619	26.25101	7.11202	4.18522	3.61589E-11	1.76E-13	3.63E-11	2.39E-08	6.94E-11	2.4E-08	2.99E-09	1.88E-11	3.01E-09	1.12E-14	3.39E-14	1.96E-14	0	0	0	0	1.817E-12	2.4E-08	3.01E-09	9.31778E-15	0	5.72406E-15	0
35	570350.6	4177959	0.55, 41779	0.09204	0.07257	58.96006	27.16756	7.37001	4.19821	3.87119E-11	1.92E-13	3.89E-11	2.48E-08	7.18E-11	2.49E-08	3.1E-09	1.95E-11	3.12E-09	1.2E-14	3.62E-14	2.1E-14	0	0	0	0	1.945E-12	2.487E-08	3.12E-09	9.97641E-15	0	6.12867E-15	0
36	570390.6	4177959	0.55, 41779	0.09833	0.07904	63.0038	28.02201	7.87548	4.15896	4.13575E-11	2.09E-13	4.16E-11	2.65E-08	7.41E-11	2.66E-08	3.31E-09	2.08E-11	3.33E-09	1.28E-14	3.87E-14	2.24E-14	0	0	0	0	2.078E-12	2.6573E-08	3.33E-09	1.06592E-14	0	6.54813E-15	0
37	570430.6	4177959	0.55, 41779	0.10461	0.08611	70.72142	28.76698	8.84018	4.23038	4.39989E-11	2.28E-13	4.42E-11	2.97E-08	7.60E-11	2.98E-08	3.72E-09	2.34E-11	3.74E-09	1.36E-14	4.12E-14	2.39E-14	0	0	0	0	2.211E-12	2.9821E-08	3.74E-09	1.13414E-14	0	6.96718E-15	0
38	570470.6	4177959	0.55, 41779	0.11098	0.09385	78.78718	29.82596	9.8484	4.47695	4.66781E-11	2.48E-13	4.69E-11	3.31E-08	7.88E-11	3.32E-08	4.14E-09	2.60E-11	4.17E-09	1.45E-14	4.37E-14	2.53E-14	0	0	0	0	2.346E-12	3.3217E-08	4.17E-09	1.20337E-14	0	7.39247E-15	0
39	570510.6	4177959	0.55, 41779	0.1169	0.10189	83.26174	30.87615	10.40772	4.70339	4.9168E-11	2.69E-13	4.94E-11	3.5E-08	8.16E-11	3.51E-08	4.38E-09	2.75E-11	4.4E-09	1.53E-14	4.61E-14	2.67E-14	0	0	0	0	2.472E-12	3.5101E-08	4.4E-09	1.26776E-14	0	7.78807E-15	0
40	570550.6	4177959	0.55, 41779	0.12213	0.11	82.46075	31.83495	10.30759	4.9071	5.13678E-11	2.91E-13	5.17E-11	3.47E-08	8.41E-11	3.48E-08	4.34E-09	2.72E-11	4.36E-09	1.59E-14	4.81E-14	2.79E-14	0	0	0	0	2.583E-12	3.4767E-08	4.36E-09	1.32472E-14	0	8.13798E-15	0
41	570590.6	4177959	0.55, 41779	0.1275	0.1185	87.61849	32.53805	10.95231	5.6614	5.36264E-11	3.13E-13	5.39E-11	3.69E-08	8.60E-11	3.69E-08	4.61E-09	2.89E-11	4.64E-09	1.66E-14	5.03E-14	2.91E-14	0	0	0	0	2.697E-12	3.6938E-08	4.64E-09	1.38322E-14	0	8.49733E-15	0
42	570630.6	4177959	0.55, 41779	0.13429	0.12721	94.25098	33.95012	11.78137	6.34882	5.64822E-11	3.36E-13	5.68E-11	3.96E-08	8.97E-11	3.97E-08	4.96E-09	3.11E-11	4.99E-09	1.75E-14	5.29E-14	3.06E-14	0	0	0	0	2.841E-12	3.9732E-08	4.99E-09	1.45704E-14	0	8.95085E-15	0
43	570670.6	4177959	0.55, 41779	0.1434	0.13582	91.47953	35.4429	12.89467	6.97952	6.03139E-11	3.59E-13	6.07E-11	3.85E-08	9.37E-11	3.86E-08	5.42E-09	3.41E-11	5.46E-09	1.87E-14	5.65E-14	3.27E-14	0	0	0	0	3.034E-12	3.857E-08	5.46E-09	1.55589E-14	0	9.55805E-15	0
44	570710.6	4177959	0.55, 41779	0.15342	0.14402	103.54122	38.62398	12.94265	7.57754	6.45283E-11	3.81E-13	6.49E-11	4.35E-08	1.02E-10	4.37E-08	5.44E-09	3.42E-11	5.48E-09	2E-14	6.05E-14	3.5E-14	0	0	0	0	3.245E-12	4.3651E-08	5.48E-09	1.66451E-14	0	1.02254E-14	0
45	570750.6	4177959	0.55, 41779	0.16261	0.1515	105.52732	44.38977	13.19092	8.09206	6.83936E-11	4.00E-13	6.88E-11	4.44E-08	1.17E-10	4.45E-08	5.55E-09	3.49E-11	5.58E-09	2.12E-14	6.41E-14	3.71E-14	0	0	0	0	3.44E-12	4.4502E-08	5.58E-09	1.76414E-14	0	1.08374E-14	0
46	570790.6	4177959	0.55, 41779	0.16989	0.15823	113.60479	47.24143	14.2006	8.3928	7.14556E-11	4.18E-13	7.19E-11	4.78E-08	1.25E-10	4.79E-08	5.97E-09	3.75E-11	6.01E-09	2.22E-14	6.7E-14	3.88E-14	0	0	0	0	3.594E-12	4.7907E-08	6.01E-09	1.84312E-14	0	1.13226E-14	0
47	570830.6	4177959	0.55, 41779	0.1738	0.16401	115.20896	49.45722	14.40112	8.28774	7.31001E-11	4.33E-13	7.35E-11	4.85E-08	1.31E-10	4.86E-08	6.06E-09	3.81E-11	6.1E-09	2.27E-14	6.85E-14	3.97E-14	0	0	0	0	3.677E-12	4.8587E-08	6.1E-09	1.88568E-14	0	1.15841E-14	0
48	570870.6	4177959	0.55, 41779	0.17339	0.16851	122.33209	52.01335	15.29151	7.46689	7.29277E-11	4.45E-13	7.34E-11	5.15E-08	1.37E-10	5.16E-08	6.43E-09	4.04E-11	6.47E-09	2.26E-14	6.84E-14	3.96E-14	0	0	0	0	3.669E-12	5.159E-08	6.47E-09	1.88157E-14	0	1.15588E-14	0
49	570910.6	4177959	0.55, 41779	0.16973	0.17204	128.70888	55.67631	16.08861	6.95954	7.13883E-11	4.55E-13	7.18E-11	5.41E-08	1.47E-10	5.43E-08	6.77E-09	4.25E-11	6.81E-09	2.22E-14	6.69E-14	3.88E-14	0	0	0	0	3.592E-12	5.4282E-08	6.81E-09	1.84233E-14	0	1.13177E-14	0
50	570950.6	4177959	0.55, 41779	0.16375	0.1746	137.78687	58.35606	21.41966	8.40086	6.88731E-11	4.61E-13	6.93E-11	5.8E-08	1.54E-10	5.81E-08	9.01E-09	5.66E-11	9.07E-09	2.14E-14	6.46E-14	3.74E-14	0	0	0	0	3.467E-12	5.8107E-08	9.07E-09	1.778E-14	0	1.09226E-14	0
51	570990.6	4177959	0.55, 41779	0.1571	0.17611	148.41379	62.43724	21.20197	10.20575	6.60761E-11	4.65E-13	6.65E-11	6.24E-08	1.65E-10	6.26E-08	8.92E-09	5.60E-11	8.97E-09	2.05E-14	6.2E-14	3.59E-14	0	0	0	0	3.327E-12	6.2588E-08	8.97E-09	1.70638E-14	0	1.04826E-14	0
52	571030.6	4177959	0.55, 41779	0.15135	0.1787	141.29712	68.4386	19.05284	11.40643	6.36577E-11	4.72E-13	6.41E-11	5.94E-08	1.81E-10	5.96E-08	8.01E-09	5.04E-11	8.06E-09	1.98E-14	5.98E-14	3.46E-14	0	0	0	0	3.206E-12	5.961E-08	8.06E-09	1.64454E-14	0	1.01027E-14	0
53	571070.6	4177959	0.55, 41779	0.14838	0.1815	143.49488	74.36914	18.79197	11.80682	6.24085E-11	4.80E-13	6.29E-11	6.04E-08	1.97E-10	6.06E-08	7.9E-09	4.97E-11	7.95E-09	1.94E-14	5.86E-14	3.39E-14	0	0	0	0	3.144E-12	6.055E-08	7.95E-09	1.61269E-14	0	9.90704E-15	0
54	571110.6	4177959	0.55, 41779	0.14858	0.18375	140.62761	73.34522	22.74237	10.22286	6.24926E-11	4.86E-13	6.3E-11	5.91E-08	1.94E-10	5.93E-08	9.57E-09	6.01E-11	9.63E-09	1.94E-14	5.87E-14	3.4E-14	0	0	0	0	3.149E-12	5.9342E-08	9.63E-09	1.615E-14	0	9.92123E-15	0
55	571150.6	4177959	0.55, 41779	0.14994	0.18566	146.3467	67.83983	22.92053	11.48399	6.30646E-11	4.91E-13	6.36E-11	6.16E-08	1.79E-10	6.17E-08	9.64E-09	6.06E-11	9.7E-09	1.96E-14	5.92E-14	3.43E-14	0	0	0	0	3.178E-12	6.1733E-08	9.7E-09	1.6298E-14	0	1.00121E-14	0
56	571190.6	4177959	0.55, 41779	0.1525	0.18616	161.89014	78.97315	23.12716	11.84075	6.41413E-11	4.92E-13	6.46E-11	6.81E-08	2.09E-10	6.83E-08	9.73E-09	6.11E-11	9.79E-09	1.99E-14	6.02E-14	3.49E-14	0	0	0	0	3.232E-12	6.83E-08	9.79E-09	1.65745E-14	0	1.0182E-14	0
57	571230.6	4177959	0.55, 41779	0.15542	0.18516	156.07845	81.92899	22.29692	11.22006	6.53695E-11	4.89E-13	6.59E-11	6.56E-08	2.17E-10	6.59E-08	9.38E-09	5.89E-11	9.44E-09	2.03E-14	6.14E-14	3.55E-14	0	0	0	0	3.293E-12	6.5863E-08	9.44E-09	1.68887E-14	0	1.0375E-14	0
58	571270.6	4177959	0.55, 41779	0.15909	0.18379	158.42767	82.70179	19.80346	11.54254	6.69131E-11	4.86E-13	6.74E-11	6.66E-08	2.19E-10	6.69E-08	8.33E-09	5.23E-11	8.38E-09	2.08E-14	6.28E-14	3.64E-14	0	0	0	0	3.37E-12	6.6853E-08	8.38E-09	1.72837E-14	0	1.06176E-14	0
59	571310.6	4177959	0.55, 41779	0.1655	0.18382	150.26158	75.50789	18.7827	10.48328	6.96091E-11	4.86E-13	7.01E-11	6.32E-08	2.00E-10	6.34E-08	7.9E-09	4.96E-11	7.95E-09	2.16E-14	6.53E-14	3.78E-14	0	0	0	0	3.505E-12	6.3399E-08	7.95E-09	1.7975E-14	0	1.10424E-14	0
60	571350.6	4177959	0.55, 41779	0.17654	0.1881	154.82597	60.83045	19.35325	9.71095	7.42525E-11	4.97E-13	7.47E-11	6.51E-08	1.61E-10	6.53E-08	8.14E-09	5.12E-11	8.19E-09	2.31E-14	6.96E-14	4.03E-14	0	0	0	0	3.737E-12	6.528E-08	8.19E-09	1.91687E-14	0	1.17756E-14	0
61	571390.6	4177959	0.55, 41779	0.18842	0.1934	152.92189	54.55359	19.11524	9.16318	7.92493E-11	5.11E-13	7.98E-11	6.43E-08	1.44E-10	6.45E-08	8.04E-09	5.05E-11	8.09E-09	2.46E-14	7.43E-14	4.3E-14	0	0	0	0	3.988E-12	6.4463E-08	8.09E-09	2.04536E-14	0	1.2565E-14	0
62	571430.6	4177959	0.55, 41779	0.20645	0.20414	148.33328	50.38722	18.54166	8.09078	8.68327E-11	5.40E-13	8.74E-11	6.24E-08	1.33E-10	6.25E-08	7.8E-09	4.90E-11	7.85E-09	2.7E-14	8.14E-14	4.71E-14	0	0	0	0	4.369E-12	6.2522E-08	7.85E-09	2.24056E-14	0	1.37641E-14	0
63	571470.6	4177959	0.55, 41779	0.22554	0.21577	134.13897	46.24246	16.76737	6.92684	9.48619E-11	5.70E-13	9.54E-11	5.64E-08	1.22E-10	5.65E-08	7.05E-09	4.43E-11	7.1E-09	2.94E-14	8.89E-14	5.15E-14	0	0	0	0	4.772E-12	5.6541E-08	7.1E-09	2.44725E-14	0	1.50338E-14	0
64	571510.6	4177959	0.55, 41779	0.24332	0.22654	122.33786	38.55117	15.29223	6.75463	1.0234E-10	5.99E-13	1.03E-10	5.15E-08	1.02E-10	5.16E-08	6.43E-09	4.04E-11	6.47E-09	3.18E-14	9.59E-14	5.55E-14	0	0	0	0	5.147E-12	5.1557E-08	6.47E-09	2.63975E-14	0	1.62164E-14	0
65	571550.6	4177959	0.55, 41779	0.25539	0.23344	100.38932	31.1899	12.54867	6.13877	1.07417E-10	6.17E-13	1.08E-10	4.22E-08	8.24E-11	4.23E-08	5.28E-09	3.32E-11	5.31E-09	3.33E-14	1.01E-13	5.83E-14	0	0	0	0	5.402E-12	4.2306E-08	5.31E-09	2.7704E-14	0	1.7019E-14	0
66	571590.6	4177959	0.55, 41779	0.26174	0.2364	103.20811	24.1035	12.90101	5.55119	1.10088E-10	6.25E-13	1.11E-10	4.34E-08	6.37E-11	4.35E-08	5.43E-09	3.41E-11	5.46E-09	3.42E-14	1.03E-13	5.97E-14	0	0	0	0	5.536E-12	4.3473E-08	5.46E-09	2.83909E-14	0	1.7441E-14	0
67	570310.6	4177999	0.55, 41779	0.08992	0.06909	61.55411	26.71644	7.69426	4.42886	3.78203E-11	1.83E-13	3.8E-11	2.59E-08	7.06E-11	2.6E-08	3.24E-09	2.03E-11	3.26E-09	1.17E-14	3.54E-14	2.05E-14	0	0	0	0	1.9E-12	2.596E-08	3.26E-09	9.74539E-15	0	5.98675E-15	0
68	570350.6	4177999	0.55, 41779	0.09687	0.07551	63.16088	27.72336	7.89511	4.52605	4.07434E-11	2.00E-13	4.09E-11	2.66E-08	7.33E-11	2.66E-08	3.32E-09	2.09E-11	3.34E-09	1.26E-14	3.81E-14	2.21E-14	0	0	0	0	2.047E-12	2.6639E-08	3.34E-09	1.04994E-14	0	6.44992E-15	0
69	570390.6	4177999	0.55, 41779	0.10411	0.08268	65.18315	28.66629	8.14789	4.5901	4.37886E-11	2.19E-13	4.4E-11	2.74E-08	7.58E-11	2.75E-08	3.43E-09	2.15E-11	3.45E-09	1.36E-14	4.1E-14	2.37E-14	0	0	0	0	2.2E-12	2.7492E-08	3.45E-09	1.12851E-14	0	6.93262E-15	0
70	570430.6	4177999	0.55, 41779	0.11178	0.0909	69.77828	29.77159	8.72229	4.64595	4.70146E-11	2.40E-13	4.73E-11	2.93E-08	7.87E-11	2.94E-08	3.67E-09	2.31E-11	3.69E-09	1.46E-14	4.4E-14	2.55E-14	0	0	0	0	2.363E-12	2.9427E-08	3.69E-09	1.21179E-14	0	7.44425E-15	0
71	570470.6	4177999	0.55, 41779	0.11947	0.09994	73.23749	30.82615	9.15469	4.70414	5.0249E-11	2.64E-13	5.05E-11	3.08E-08	8.15E-11	3.09E-08	3.85E-09	2.42E-11	3.87E-09	1.56E-14	4.71E-14	2.72E-14	0	0	0	0	2.526E-12	3.0885E-08	3.87E-09	1.29535E-14	0	7.95754E-15	0
72	570510.6	4177999	0.55, 41779	0.12689	0.1096	83.36058	31.87471	10.42007	5.00665	5.33698E-11	2.90E-13	5.37E-11	3.51E-08	8.42E-11	3.51E-08	4.38E-09	2.75E-11	4.41E-09	1.66E-14	5E-14	2.89E-14	0	0	0	0	2.683E-12	3.5146E-08	4.41E-09	1.37603E-14	0	8.45321E-15	0
73	570550.6	4177999	0.55, 41779	0.1338	0.11968	93.92369	33.13511	11.74046	5.30601	5.62761E-11	3.16E-13	5.66E-11	3.95E-08	8.76E-11	3.96E-08	4.94E-09	3.10E-11	4.97E-09	1.75E-14	5.27E-14	3.05E-14	0	0	0	0	2.83E-12	3.9592E-08	4.97E-09	1.45125E-14	0	8.91525E-15	0
74	570590.6	4177999	0.55, 41779	0.14077	0.13095	98.98148	34.43475	12.37268	5.77536	5.92077E-11	3.46E-13	5.96E-11	4.16E-08	9.10E-11	4.17E-08	5.2E-09	3.27E-11	5.24E-09	1.84E-14	5.55E-14	3.21E-14	0	0	0	0	2.978E-12	4.1723E-08	5.24E-09	1.52719E-14	0	9.38177E-15	0
75	570630.6	4177999	0.55, 41779	0.14863	0.14246	96.29887	35.58815	12.03736	6.62596	6.25136E-11	3.77E-13	6.29E-11	4.05E-08	9.41E-11	4.06E-08	5.06E-09	3.18E-11	5.09E-09	1.94E-14	5.86E-14	3.39E-14	0	0	0	0	3.145E-12	4.0597E-08	5.09E-09	1.61274E-14	0	9.90735E-15	0
76	570670.6	4177999	0.55, 41779	0.15906	0.15417	108.0953	37.02771	13.51191	7.37805	6.69005E-11	4.07E-13	6.73E-11	4.55E-08	9.79E-11	4.56E-08	5.68E-09	3.57E-11	5.72E-09	2.08E-14	6.27E-14	3.63E-14	0	0	0	0	3.365E-12	4.5563E-08	5.72E-09	1.72603E-14	0	1.06033E-14	0
77	570710.6	4177999	0.55, 41779	0.17207	0.16581	109.21603	39.28347	14.39109	8.06843	7.23725E-11	4.38E-13	7.28E-11	4.59E-08	1.04E-10	4.6E-08	6.05E-09	3.80E-11	6.09E-09	2.25E-14	6.78E-14	3.93E-14	0	0	0	0	3.641E-12	4.604E-08	6.09E-09	1.86715E-14	0	1.14702E-14	0
78	570750.6	4177999	0.55, 41779	0.18601	0.17706	119.66853	46.10023	14.95857	8.7788	7.82356E-11	4.68E-13	7.87E-11	5.03E-08	1.22E-10	5.05E-08	6.29E-09	3.95E-11	6.33E-09	2.43E-14	7.33E-14	4.25E-14	0	0	0	0	3.935E-12	5.0454E-08	6.33E-09	2.01826E-14	0	1.23985E-14	0
79	570790.6	4177999	0.55, 41779	0.19953	0.18772	122.67556	49.8289	15.33445	9.45426	8.39221E-11	4.96E-13	8.44E-11	5.16E-08	1.32E-10	5.17E-08	6.45E-09	4.05E-11	6.49E-09	2.6E-14	7.87E-14	4.55E-14	0	0	0	0	4.221E-12	5.1729E-08	6.49E-09	2.16481E-14	0	1.32988E-14	0
80	570830.6	4177999	0.55, 41779	0.21109	0.19773	133.54261	52.4094	16.69283	9.90962	8.87842E-11	5.23E-13	8.93E-11	5.62E-08	1.39E-10	5.63E-08	7.02E-09	4.41E-11	7.07E-09	2.76E-14	8.32E-14	4.82E-14	0	0	0	0	4.465E-12	5.6306E-08	7.07E-09	2.29017E-14	0	1.40689E-14	0
81	570870.6	4177999	0.55, 41779	0.21804	0.20674	131.45449	55.15858	16.43181	9.77159	9.17074E-11	5.46E-13	9.23E-11	5.53E-08	1.46E-10	5.54E-08	6.91E-09	4.34E-11	6.95E-09	2.85E-14	8.6E-14	4.98E-14	0	0	0	0	4.613E-12	5.5435E-08	6.95E-09	2.36574E-14	0	1.45331E-14	0
82	570910.6	4177999	0.55, 41779	0.21803	0.21414	148.11273	59.13207	18.51409	8.43226	9.17032E-11	5.66E-13	9.23E-11	6.23E-08	1.56E-10	6.25E-08	7.79E-09	4.89E-11	7.84E-09	2.85E-14	8.6E-14	4.98E-14	0	0	0	0	4.613E-12	6.2452E-08	7.84E-09	2.36614E-14	0	1.45356E-14	0
83	570950.6	4177999	0.55, 41779	0.2114	0.21889	140.12444	63.58464	21.83562	9.32684	8.89146E-11	5.79E-13	8.95E-11	5.89E-08	1.68E-10	5.91E-08	9.18E-09	5.77E-11	9.24E-09	2.76E-14	8.34E-14	4.83E-14	0	0	0	0	4.475E-12	5.9104E-08	9.24E-09	2.29495E-14	0	1.40982E-14	0
84	570990.6	4177999	0.55, 41779	0.2013	0.22185	171.25011	67.61488	25.43318	11.18299	8.46666E-11	5.86E-13	8.53E-11	7.2E-08	1.79E-10	7.22E-08	1.07E-08	6.72E-11	1.08E-08	2.63E-14	7.94E-14	4.6E-14	0	0	0	0	4.263E-12	7.2206E-08	1.08E-08	2.18621E-14	0	1.34303E-14	0
85	571030.6	4177999	0.55, 41779	0.19301	0.22456	161.4506	75.02365	21.94671	12.50394	8.11798E-11	5.94E-13	8.18E-11	6.79E-08	1.98E-10	6.81E-08	9.23E-09	5.80E-11	9.29E-09	2.52E-14	7.62E-14	4.41E-14	0	0	0	0	4.089E-12	6.8104E-08	9.29E-09	2.09698E-14	0	1.28821E-14	0
86	571070.6	4177999	0.55, 41779	0.18927	0.22808	165.36156	82.48884	21.97245	12.95225	7.96068E-11	6.03E-13	8.02E-11	6.96E-08	2.18E-10	6.98E-08	9.24E-09	5.81E-11	9.3E-09	2.48E-14	7.47E-14	4.33E-14	0	0	0	0	4.01E-12	6.9769E-08	9.3E-09	2.05688E-14	0	1.26358E-14	0
87	571110.6	4177999	0.55, 41779	0.18141	0.21619	158.60632	80.72549	25.62624	11.81551	7.63009E-11	5.71E-13	7.69E-11	6.67E-08	2.13E-10	6.69E-08	1.08E-08	6.77E-11	1.08E-08	2.37E-14	7.16E-14	4.15E-14	0	0	0	0	3.844E-12	6.6923E-08	1.08E-08	1.9713E-14	0	1.211E-14	0
88	571150.6	4177999	0.55, 41779	0.19202	0.23351	164.05988	80.42402	24.96785	14.13496	8.07634E-11	6.17E-13	8.14E-11	6.9E-08	2.13E-10	6.92E-08	1.05E-08	6.60E-11	1.06E-08	2.51E-14	7.58E-14	4.39E-14	0	0	0	0	4.069E-12	6.9216E-08	1.06E-08	2.08691E-14	0	1.28202E-14	0
89	571190.6	4177999	0.55, 41779	0.1978	0.23414	182.21875	91.74664	26.03125	13.21695	8.31945E-11	6.19E-13	8.38E-11	7.66E-08	2.42E-10	7.69E-08	1.09E-08	6.88E-11	1.1E-08	2.59E-14	7.81E-14	4.52E-14	0	0	0	0	4.191E-12	7.6884E-08	1.1E-08	2.14929E-14	0	1.32035E-14	0
90	571230.6	4177999	0.55, 41779	0.20367	0.23289	172.67663	91.69738	22.62496	13.85272	8.56634E-11	6.16E-13	8.63E-11	7.26E-08	2.42E-10	7.29E-08	9.52E-09	5.98E-11	9.58E-09	2.66E-14	8.04E-14	4.65E-14	0	0	0	0	4.314E-12	7.287E-08	9.58E-09	2.21252E-14	0	1.35919E-14	0
91	571270.6	4177999	0.55, 41779	0.21358	0.23476	171.66845	86.35935	21.45856	13.01074	8.98315E-11	6.20E-13	9.05E-11	7.22E-08	2.28E-10	7.24E-08	9.03E-09	5.67E-11	9.08E-09	2.79E-14	8.43E-14	4.88E-14	0	0	0	0	4.523E-12	7.2432E-08	9.08E-09	2.31954E-14	0	1.42493E-14	0
92	571310.6	4177999	0.55, 41779	0.23025	0.24083	171.26207	72.34733	21.40776	11.81711	9.68429E-11	6.37E-13	9.75E-11	7.2E-08	1.91E-10	7.22E-08	9E-09	5.66E-11	9.06E-09	3.01E-14	9.08E-14	5.26E-14	0	0	0	0	4.874E-12	7.2224E-08	9.06E-09	2.49975E-14	0	1.53563E-14	0
93	571350.6	4177999	0.55, 41779	0.25373	0.25254	169.27826	60.68614	21.15978	11.13084	1.06719E-10	6.67E-13	1.07E-10	7.12E-08	1.60E-10	7.14E-08	8.9E-09	5.59E-11	8.96E-09	3.31E-14	1E-13	5.79E-14	0	0	0	0	5.369E-12	7.1359E-08	8.96E-09	2.75379E-14	0	1.6917E-14	0
94	571390.6	4177999	0.55, 41779	0.27999	0.26698	164.13881	55.69534	20.51735	9.69774	1.17764E-10	7.06E-13	1.18E-10	6.9E-08	1.47E-10	6.92E-08	8.63E-09	5.42E-11	8.68E-09	3.66E-14	1.1E-13	6.39E-14	0	0	0	0	5.923E-12	6.9184E-08	8.68E-09	3.038E-14	0	1.86629E-14	0
95	571430.6	4177999	0.55, 41779	0.30187	0.27888	148.06777	50.74185	18.50847	8.30154	1.26966E-10	7.37E-13	1.28E-10	6.23E-08	1.34E-10	6.24E-08	7.78E-09	4.89E-11	7.83E-09	3.94E-14	1.19E-13	6.89E-14	0	0	0	0	6.385E-12	6.2411E-08	7.83E-09	3.2748E-14	0	2.01176E-14	0
96	571470.6	4177999	0.55, 41779	0.32222	0.29016	133.22849	41.8567	16.65356	8.00082	1.35525E-10	7.67E-13	1.36E-10	5.6E-08	1.11E-10	5.61E-08	7E-09	4.40E-11	7.05E-09	4.21E-14	1.27E-13	7.35E-14	0	0	0	0	6.815E-12	5.6146E-08	7.05E-09	3.49506E-14	0	2.14707E-14	0
97	571510.6	4177999	0.55, 41779	0.33311	0.29527	113.25391	33.39085	14.15674	7.16119	1.40106E-10	7.80E-13	1.41E-10	4.76E-08	8.83E-11	4.77E-08	5.95E-09	3.74E-11	5.99E-09	4.35E-14	1.31E-13	7.6E-14	0	0	0	0	7.044E-12	4.7723E-08	5.99E-09	3.61286E-14	0	2.21944E-14	0
98	571550.6	4177999	0.55, 41779	0.33431	0.29408	118.79132	25.19774	14.84891	6.75336	1.4061E-10	7.77E-13	1.41E-10	5E-08	6.66E-11	5E-08	6.25E-09	3.92E-11	6.28E-09	4.36E-14	1.32E-13	7.63E-14	0	0	0	0	7.069E-12	5.003E-08	6.28E-09	3.62572E-14	0	2.22734E-14	0
99	571590.6	4177999	0.55, 41779	0.32897	0.28857	117.12124	19.87515	14.64016	6.7762	1.38364E-10	7.63E-13	1.39E-10	4.93E-08	5.25E-11	4.93E-08	6.16E-09	3.87E-11	6.2E-09	4.29E-14	1.3E-13	7.5E-14	0	0	0	0	6.956E-12	4.9314E-08	6.2E-09	3.56775E-14	0	2.19173E-14	0
100	570310.6	4178039	0.55, 41780	0.09395	0.07118	60.38117	27.45867	7.54765	4.57644	3.95153E-11	1.88E-13	3.97E-11	2.54E-08	7.26E-11	2.55E-08	3.17E-09	1.99E-11	3.19E-09	1.23E-14	3.7E-14	2.14E-14	0	0	0	0	1.985E-12	2.5469E-08	3.19E-09	1.01815E-14	0	6.25465E-15	0
101	570350.6	4178039	0.55, 41780	0.10181	0.07823	67.40685	28.30867	8.42586	4.71811	4.28212E-11	2.07E-13	4.3E-11	2.84E-08	7.48E-11	2.84E-08	3.54E-09	2.23E-11	3.57E-09	1.33E-14	4.01E-14	2.32E-14	0	0	0	0	2.151E-12	2.8426E-08	3.57E-09	1.1034E-14	0	6.77837E-15	0
102	570390.6	4178039	0.55, 41780	0.11033	0.08626	70.86935	29.39362	8.85867	4.86131	4.64047E-11	2.28E-13	4.66E-11	2.98E-08	7.77E-11	2.99E-08	3.73E-09	2.34E-11	3.75E-09	1.44E-14	4.34E-14	2.52E-14	0	0	0	0	2.332E-12	2.9885E-08	3.75E-09	1.19584E-14	0	7.34624E-15	0
103	570430.6	4178039	0.55, 41780	0.11935	0.09539	72.77771	30.53752	9.09721	4.99157	5.01985E-11	2.52E-13	5.05E-11	3.06E-08	8.07E-11	3.07E-08	3.83E-09	2.40E-11	3.85E-09	1.56E-14	4.7E-14	2.72E-14	0	0	0	0	2.523E-12	3.0691E-08	3.85E-09	1.29375E-14	0	7.9477E-15	0
104	570470.6	4178039	0.55, 41780	0.12876	0.10583	77.88414	31.78332	9.73552	5.12346	5.41563E-11	2.80E-13	5.44E-11	3.28E-08	8.40E-11	3.28E-08	4.09E-09	2.57E-11	4.12E-09	1.68E-14	5.07E-14	2.94E-14	0	0	0	0	2.722E-12	3.2842E-08	4.12E-09	1.39595E-14	0	8.57554E-15	0
105	570510.6	4178039	0.55, 41780	0.13797	0.11733	81.61557	33.05226	10.20195	5.27698	5.803E-11	3.10E-13	5.83E-11	3.43E-08	8.74E-11	3.44E-08	4.29E-09	2.70E-11	4.32E-09	1.8E-14	5.44E-14	3.15E-14	0	0	0	0	2.917E-12	3.4415E-08	4.32E-09	1.49607E-14	0	9.19057E-15	0
106	570550.6	4178039	0.55, 41780	0.14677	0.12979	83.22783	34.40977	10.40348	5.64664	6.17313E-11	3.43E-13	6.21E-11	3.5E-08	9.09E-11	3.51E-08	4.38E-09	2.75E-11	4.4E-09	1.92E-14	5.78E-14	3.35E-14	0	0	0	0	3.104E-12	3.5096E-08	4.4E-09	1.59182E-14	0	9.77884E-15	0
107	570590.6	4178039	0.55, 41780	0.15543	0.14397	100.7883	35.81672	12.59854	6.05306	6.53737E-11	3.81E-13	6.58E-11	4.24E-08	9.47E-11	4.25E-08	5.3E-09	3.33E-11	5.33E-09	2.03E-14	6.13E-14	3.55E-14	0	0	0	0	3.288E-12	4.2486E-08	5.33E-09	1.68619E-14	0	1.03585E-14	0
108	570630.6	4178039	0.55, 41780	0.16446	0.15887	114.63184	37.47906	14.32898	6.85921	6.91717E-11	4.20E-13	6.96E-11	4.82E-08	9.91E-11	4.83E-08	6.03E-09	3.79E-11	6.06E-09	2.15E-14	6.48E-14	3.75E-14	0	0	0	0	3.48E-12	4.8313E-08	6.06E-09	1.7846E-14	0	1.09631E-14	0
109	570670.6	4178039	0.55, 41780	0.17604	0.17458	120.19022	39.09251	15.02378	7.81169	7.40422E-11	4.61E-13	7.45E-11	5.06E-08	1.03E-10	5.07E-08	6.32E-09	3.97E-11	6.36E-09	2.3E-14	6.94E-14	4.02E-14	0	0	0	0	3.725E-12	5.0655E-08	6.36E-09	1.91056E-14	0	1.17369E-14	0
110	570710.6	4178039	0.55, 41780	0.19156	0.191	122.05191	40.81454	15.86896	8.63568	8.05699E-11	5.05E-13	8.11E-11	5.13E-08	1.08E-10	5.14E-08	6.67E-09	4.19E-11	6.72E-09	2.5E-14	7.55E-14	4.37E-14	0	0	0	0	4.054E-12	5.1443E-08	6.72E-09	2.07907E-14	0	1.27721E-14	0
111	570750.6	4178039	0.55, 41780	0.2105	0.20761	132.53323	47.68084	16.56665	9.43658	8.85361E-11	5.49E-13	8.91E-11	5.57E-08	1.26E-10	5.59E-08	6.97E-09	4.38E-11	7.01E-09	2.75E-14	8.3E-14	4.81E-14	0	0	0	0	4.454E-12	5.5869E-08	7.01E-09	2.28448E-14	0	1.40339E-14	0
112	570790.6	4178039	0.55, 41780	0.23169	0.22417	139.552	52.7884	17.444	10.33029	9.74486E-11	5.92E-13	9.8E-11	5.87E-08	1.40E-10	5.88E-08	7.34E-09	4.61E-11	7.38E-09	3.03E-14	9.13E-14	5.29E-14	0	0	0	0	4.902E-12	5.8835E-08	7.38E-09	2.51415E-14	0	1.54448E-14	0
113	570830.6	4178039	0.55, 41780	0.25382	0.24067	145.24751	55.81087	18.15594	11.28689	1.06756E-10	6.36E-13	1.07E-10	6.11E-08	1.48E-10	6.12E-08	7.64E-09	4.80E-11	7.68E-09	3.31E-14	1E-13	5.79E-14	0	0	0	0	5.37E-12	6.1238E-08	7.68E-09	2.75396E-14	0	1.6918E-14	0
114	570870.6	4178039	0.55, 41780	0.27385	0.25672	159.27674	59.06353	19.90959	12.04587	1.15181E-10	6.79E-13	1.16E-10	6.7E-08	1.56E-10	6.71E-08	8.37E-09	5.26E-11	8.43E-09	3.58E-14	1.08E-13	6.25E-14	0	0	0	0	5.793E-12	6.7148E-08	8.43E-09	2.97108E-14	0	1.82518E-14	0
115	570910.6	4178039	0.55, 41780	0.28498	0.272	154.31681	63.03506	19.2896	11.80173	1.19862E-10	7.19E-13	1.21E-10	6.49E-08	1.67E-10	6.51E-08	8.11E-09	5.10E-11	8.16E-09	3.72E-14	1.12E-13	6.5E-14	0	0	0	0	6.029E-12	6.5072E-08	8.16E-09	3.09216E-14	0	1.89957E-14	0
116	570950.6	4178039	0.55, 41780	0.28313	0.28254	178.15221	69.82475	22.26903	10.41815	1.19084E-10	7.47E-13	1.2E-10	7.49E-08	1.85E-10	7.51E-08	9.37E-09	5.89E-11	9.43E-09	3.7E-14	1.12E-13	6.46E-14	0	0	0	0	5.992E-12	7.5115E-08	9.43E-09	3.07293E-14	0	1.88775E-14	0
117	570990.6	4178039	0.55, 41780	0.27042	0.28832	188.87787	74.10995	29.14051	12.35166	1.13738E-10	7.62E-13	1.15E-10	7.94E-08	1.96E-10	7.96E-08	1.23E-08	7.70E-11	1.23E-08	3.53E-14	1.07E-13	6.18E-14	0	0	0	0	5.725E-12	7.9638E-08	1.23E-08	2.93623E-14	0	1.80377E-14	0
118	571030.6	4178039	0.55, 41780	0.25749	0.29249	188.96663	83.29257	26.99523	13.88209	1.083E-10	7.73E-13	1.09E-10	7.95E-08	2.20E-10	7.97E-08	1.14E-08	7.13E-11	1.14E-08	3.37E-14	1.02E-13	5.88E-14	0	0	0	0	5.454E-12	7.9699E-08	1.14E-08	2.79705E-14	0	1.71827E-14	0
119	571070.6	4178039	0.55, 41780	0.25163	0.29646	192.59035	92.57991	26.01862	14.40126	1.05835E-10	7.84E-13	1.07E-10	8.1E-08	2.45E-10	8.12E-08	1.09E-08	6.88E-11	1.1E-08	3.29E-14	9.93E-14	5.75E-14	0	0	0	0	5.331E-12	8.1248E-08	1.1E-08	2.73412E-14	0	1.67961E-14	0
120	571110.6	4178039	0.55, 41780	0.23996	0.28057	179.79911	89.13384	29.33997	15.522	1.00927E-10	7.42E-13	1.02E-10	7.56E-08	2.36E-10	7.59E-08	1.23E-08	7.75E-11	1.24E-08	3.14E-14	9.47E-14	5.48E-14	0	0	0	0	5.083E-12	7.5859E-08	1.24E-08	2.60717E-14	0	1.60163E-14	0
121	571150.6	4178039	0.55, 41780	0.25767	0.30302	202.30498	100.11261	28.90071	16.95197	1.08376E-10	8.01E-13	1.09E-10	8.51E-08	2.65E-10	8.54E-08	1.22E-08	7.64E-11	1.22E-08	3.37E-14	1.02E-13	5.89E-14	0	0	0	0	5.459E-12	8.5354E-08	1.22E-08	2.79971E-14	0	1.71991E-14	0
122	571190.6	4178039	0.55, 41780	0.27122	0.30641	194.68377	101.89225	27.81197	16.7188	1.14075E-10	8.10E-13	1.15E-10	8.19E-08	2.69E-10	8.22E-08	1.17E-08	7.35E-11	1.18E-08	3.55E-14	1.07E-13	6.2E-14	0	0	0	0	5.744E-12	8.2153E-08	1.18E-08	2.94608E-14	0	1.80983E-14	0
123	571230.6	4178039	0.55, 41780	0.28804	0.31092	196.84209	99.06119	24.60526	16.26482	1.21149E-10	8.22E-13	1.22E-10	8.28E-08	2.62E-10	8.31E-08	1.03E-08	6.50E-11	1.04E-08	3.76E-14	1.14E-13	6.58E-14	0	0	0	0	6.099E-12	8.3053E-08	1.04E-08	3.12781E-14	0	1.92146E-14	0
124	571270.6	4178039	0.55, 41780	0.31661	0.32283	191.8709	85.51951	23.98386	14.63938	1.33166E-10	8.53E-13	1.34E-10	8.07E-08	2.26E-10	8.09E-08	1.01E-08	6.34E-11	1.02E-08	4.14E-14	1.25E-13	7.23E-14	0	0	0	0	6.701E-12	8.0927E-08	1.02E-08	3.43676E-14	0	2.11126E-14	0
125	571310.6	4178039	0.55, 41780	0.35598	0.34149	189.38373	68.10225	23.67297	13.72977	1.49725E-10	9.03E-13	1.51E-10	7.97E-08	1.80E-10	7.98E-08	9.96E-09	6.26E-11	1E-08	4.65E-14	1.4E-13	8.12E-14	0	0	0	0	7.531E-12	7.9835E-08	1E-08	3.86266E-14	0	2.3729E-14	0
126	571350.6	4178039	0.55, 41780	0.39399	0.35989	182.95784	62.01914	22.86973	11.81322	1.65712E-10	9.51E-13	1.67E-10	7.7E-08	1.64E-10	7.71E-08	9.62E-09	6.04E-11	9.68E-09	5.14E-14	1.55E-13	8.99E-14	0	0	0	0	8.333E-12	7.7116E-08	9.68E-09	4.27388E-14	0	2.62551E-14	0
127	571390.6	4178039	0.55, 41780	0.4222	0.3733	164.47464	56.17724	20.55933	10.13431	1.77577E-10	9.87E-13	1.79E-10	6.92E-08	1.48E-10	6.93E-08	8.65E-09	5.43E-11	8.7E-09	5.51E-14	1.66E-13	9.63E-14	0	0	0	0	8.928E-12	6.9326E-08	8.7E-09	4.57905E-14	0	2.81299E-14	0
128	571430.6	4178039	0.55, 41780	0.44026	0.38105	146.31006	45.8458	18.28876	9.60517	1.85173E-10	1.01E-12	1.86E-10	6.15E-08	1.21E-10	6.17E-08	7.69E-09	4.83E-11	7.74E-09	5.75E-14	1.73E-13	1E-13	0	0	0	0	9.309E-12	6.1659E-08	7.74E-09	4.77437E-14	0	2.93297E-14	0
129	571470.6	4178039	0.55, 41780	0.44344	0.3799	134.05635	35.96521	16.75704	8.42199	1.8651E-10	1.00E-12	1.88E-10	5.64E-08	9.51E-11	5.65E-08	7.05E-09	4.43E-11	7.09E-09	5.79E-14	1.75E-13	1.01E-13	0	0	0	0	9.376E-12	5.6479E-08	7.09E-09	4.80859E-14	0	2.954E-14	0
130	571510.6	4178039	0.55, 41780	0.43369	0.37075	135.2804	26.4112	16.91005	8.14543	1.8241E-10	9.80E-13	1.83E-10	5.69E-08	6.98E-11	5.7E-08	7.11E-09	4.47E-11	7.16E-09	5.66E-14	1.71E-13	9.89E-14	0	0	0	0	9.169E-12	5.6969E-08	7.16E-09	4.70281E-14	0	2.88901E-14	0
131	571550.6	4178039	0.55, 41780	0.4157	0.35641	128.00174	25.24959	16.00022	7.84928	1.74843E-10	9.42E-13	1.76E-10	5.38E-08	6.67E-11	5.39E-08	6.73E-09	4.23E-11	6.77E-09	5.42E-14	1.64E-13	9.48E-14	0	0	0	0	8.789E-12	5.3904E-08	6.77E-09	4.5078E-14	0	2.76922E-14	0
132	571590.6	4178039	0.55, 41780	0.38889	0.33646	114.21376	28.264	14.27672	7.21894	1.63567E-10	8.89E-13	1.64E-10	4.8E-08	7.47E-11	4.81E-08	6E-09	3.77E-11	6.04E-09	5.07E-14	1.53E-13	8.87E-14	0	0	0	0	8.223E-12	4.8113E-08	6.04E-09	4.21728E-14	0	2.59075E-14	0
133	570310.6	4178079	0.55, 41780	0.09792	0.07296	71.40728	28.01469	8.92591	4.66912	4.11851E-11	1.93E-13	4.14E-11	3E-08	7.40E-11	3.01E-08	3.75E-09	2.36E-11	3.78E-09	1.28E-14	3.86E-14	2.23E-14	0	0	0	0	2.069E-12	3.0108E-08	3.78E-09	1.06109E-14	0	6.51843E-15	0
134	570350.6	4178079	0.55, 41780	0.1067	0.08065	70.03301	29.10671	8.75413	4.85112	4.48779E-11	2.13E-13	4.51E-11	2.95E-08	7.69E-11	2.95E-08	3.68E-09	2.31E-11	3.71E-09	1.39E-14	4.2E-14	2.43E-14	0	0	0	0	2.255E-12	2.9533E-08	3.71E-09	1.15631E-14	0	7.10339E-15	0
135	570390.6	4178079	0.55, 41780	0.11641	0.08948	73.93226	30.15719	9.24153	5.0262	4.89619E-11	2.36E-13	4.92E-11	3.11E-08	7.97E-11	3.12E-08	3.89E-09	2.44E-11	3.91E-09	1.52E-14	4.58E-14	2.65E-14	0	0	0	0	2.46E-12	3.1176E-08	3.91E-09	1.26164E-14	0	7.75044E-15	0
136	570430.6	4178079	0.55, 41780	0.12715	0.09969	79.99098	31.34254	9.99887	5.20891	5.34792E-11	2.63E-13	5.37E-11	3.36E-08	8.28E-11	3.37E-08	4.21E-09	2.64E-11	4.23E-09	1.66E-14	5.01E-14	2.9E-14	0	0	0	0	2.687E-12	3.3727E-08	4.23E-09	1.37817E-14	0	8.46631E-15	0
137	570470.6	4178079	0.55, 41780	0.13857	0.11144	81.53824	32.65768	10.19228	5.39019	5.82824E-11	2.95E-13	5.86E-11	3.43E-08	8.63E-11	3.44E-08	4.29E-09	2.69E-11	4.31E-09	1.81E-14	5.46E-14	3.16E-14	0	0	0	0	2.929E-12	3.4381E-08	4.31E-09	1.50214E-14	0	9.22787E-15	0
138	570510.6	4178079	0.55, 41780	0.15049	0.12507	87.75299	34.11951	10.96912	5.60116	6.32959E-11	3.31E-13	6.36E-11	3.69E-08	9.02E-11	3.7E-08	4.61E-09	2.90E-11	4.64E-09	1.96E-14	5.93E-14	3.43E-14	0	0	0	0	3.181E-12	3.6999E-08	4.64E-09	1.63163E-14	0	1.00234E-14	0
139	570550.6	4178079	0.55, 41780	0.16198	0.14034	91.64015	35.64897	11.45502	5.99366	6.81286E-11	3.71E-13	6.85E-11	3.85E-08	9.42E-11	3.86E-08	4.82E-09	3.03E-11	4.85E-09	2.11E-14	6.38E-14	3.69E-14	0	0	0	0	3.425E-12	3.8638E-08	4.85E-09	1.75659E-14	0	1.0791E-14	0
140	570590.6	4178079	0.55, 41780	0.17272	0.15744	88.35639	37.38874	11.57204	6.46071	7.26459E-11	4.16E-13	7.31E-11	3.72E-08	9.88E-11	3.73E-08	4.87E-09	3.06E-11	4.9E-09	2.25E-14	6.81E-14	3.94E-14	0	0	0	0	3.653E-12	3.7261E-08	4.9E-09	1.87359E-14	0	1.15098E-14	0
141	570630.6	4178079	0.55, 41780	0.1831	0.1763	101.08083	39.23196	12.6351	7.02353	7.70117E-11	4.66E-13	7.75E-11	4.25E-08	1.04E-10	4.26E-08	5.31E-09	3.34E-11	5.35E-09	2.39E-14	7.22E-14	4.18E-14	0	0	0	0	3.874E-12	4.2618E-08	5.35E-09	1.98682E-14	0	1.22054E-14	0
142	570670.6	4178079	0.55, 41780	0.19537	0.19687	125.63761	41.20021	15.7047	8.22231	8.21724E-11	5.20E-13	8.27E-11	5.28E-08	1.09E-10	5.3E-08	6.61E-09	4.15E-11	6.65E-09	2.55E-14	7.7E-14	4.46E-14	0	0	0	0	4.135E-12	5.2952E-08	6.65E-09	2.12056E-14	0	1.30269E-14	0
143	570710.6	4178079	0.55, 41780	0.21241	0.21933	144.38379	43.29239	18.04797	9.29195	8.93394E-11	5.80E-13	8.99E-11	6.07E-08	1.14E-10	6.08E-08	7.59E-09	4.77E-11	7.64E-09	2.77E-14	8.38E-14	4.85E-14	0	0	0	0	4.496E-12	6.0842E-08	7.64E-09	2.30587E-14	0	1.41653E-14	0
144	570750.6	4178079	0.55, 41780	0.23537	0.24332	149.96792	48.92505	18.74599	10.23	9.89964E-11	6.43E-13	9.96E-11	6.31E-08	1.29E-10	6.32E-08	7.88E-09	4.95E-11	7.93E-09	3.07E-14	9.28E-14	5.37E-14	0	0	0	0	4.982E-12	6.3206E-08	7.93E-09	2.55514E-14	0	1.56966E-14	0
145	570790.6	4178079	0.55, 41780	0.26445	0.26867	159.48841	56.15329	19.93605	11.24377	1.11227E-10	7.10E-13	1.12E-10	6.71E-08	1.48E-10	6.72E-08	8.39E-09	5.27E-11	8.44E-09	3.45E-14	1.04E-13	6.04E-14	0	0	0	0	5.597E-12	6.7229E-08	8.44E-09	2.87051E-14	0	1.7634E-14	0
146	570830.6	4178079	0.55, 41780	0.30001	0.29551	164.85959	59.75168	20.60745	12.43332	1.26184E-10	7.81E-13	1.27E-10	6.93E-08	1.58E-10	6.95E-08	8.67E-09	5.45E-11	8.72E-09	3.92E-14	1.18E-13	6.85E-14	0	0	0	0	6.348E-12	6.9498E-08	8.72E-09	3.25587E-14	0	2.00013E-14	0
147	570870.6	4178079	0.55, 41780	0.34051	0.32416	178.96906	63.85658	22.37113	13.91568	1.43218E-10	8.57E-13	1.44E-10	7.53E-08	1.69E-10	7.54E-08	9.41E-09	5.91E-11	9.47E-09	4.45E-14	1.34E-13	7.77E-14	0	0	0	0	7.204E-12	7.5443E-08	9.47E-09	3.69463E-14	0	2.26967E-14	0
148	570910.6	4178079	0.55, 41780	0.37529	0.35313	192.82824	68.49057	24.10353	15.26079	1.57847E-10	9.33E-13	1.59E-10	8.11E-08	1.81E-10	8.13E-08	1.01E-08	6.37E-11	1.02E-08	4.9E-14	1.48E-13	8.56E-14	0	0	0	0	7.939E-12	8.1284E-08	1.02E-08	4.07173E-14	0	2.50133E-14	0
149	570950.6	4178079	0.55, 41780	0.39192	0.37725	199.56835	75.56845	26.9715	14.65967	1.64841E-10	9.97E-13	1.66E-10	8.39E-08	2.00E-10	8.41E-08	1.13E-08	7.13E-11	1.14E-08	5.12E-14	1.55E-13	8.94E-14	0	0	0	0	8.292E-12	8.4138E-08	1.14E-08	4.25273E-14	0	2.61252E-14	0
150	570990.6	4178079	0.55, 41780	0.38624	0.39167	209.52387	83.72546	31.32288	13.79848	1.62452E-10	1.04E-12	1.63E-10	8.81E-08	2.21E-10	8.83E-08	1.32E-08	8.28E-11	1.33E-08	5.04E-14	1.52E-13	8.82E-14	0	0	0	0	8.174E-12	8.8347E-08	1.33E-08	4.19244E-14	0	2.57549E-14	0
151	571030.6	4178079	0.55, 41780	0.36706	0.40059	238.62537	94.19927	34.73297	15.69988	1.54385E-10	1.06E-12	1.55E-10	1E-07	2.49E-10	1.01E-07	1.46E-08	9.18E-11	1.47E-08	4.8E-14	1.45E-13	8.38E-14	0	0	0	0	7.772E-12	1.0061E-07	1.47E-08	3.98618E-14	0	2.44877E-14	0
152	571070.6	4178079	0.55, 41780	0.35702	0.41066	228.92087	105.90077	31.45005	16.61116	1.50162E-10	1.09E-12	1.51E-10	9.63E-08	2.80E-10	9.66E-08	1.32E-08	8.31E-11	1.33E-08	4.67E-14	1.41E-13	8.16E-14	0	0	0	0	7.562E-12	9.6564E-08	1.33E-08	3.87857E-14	0	2.38267E-14	0
153	571110.6	4178079	0.55, 41780	0.35812	0.41418	212.64364	104.08221	34.6648	20.98986	1.50625E-10	1.09E-12	1.52E-10	8.94E-08	2.75E-10	8.97E-08	1.46E-08	9.16E-11	1.47E-08	4.68E-14	1.41E-13	8.18E-14	0	0	0	0	7.586E-12	8.9713E-08	1.47E-08	3.89067E-14	0	2.3901E-14	0
154	571150.6	4178079	0.55, 41780	0.37758	0.42317	239.48451	117.47672	34.21207	20.38272	1.5881E-10	1.12E-12	1.6E-10	1.01E-07	3.10E-10	1.01E-07	1.44E-08	9.04E-11	1.45E-08	4.94E-14	1.49E-13	8.63E-14	0	0	0	0	7.996E-12	1.0104E-07	1.45E-08	4.10117E-14	0	2.51942E-14	0
155	571190.6	4178079	0.55, 41780	0.41277	0.43447	228.77572	115.09155	28.66724	20.67403	1.73611E-10	1.15E-12	1.75E-10	9.62E-08	3.04E-10	9.65E-08	1.21E-08	7.58E-11	1.21E-08	5.39E-14	1.63E-13	9.43E-14	0	0	0	0	8.738E-12	9.6527E-08	1.21E-08	4.48149E-14	0	2.75305E-14	0
156	571230.6	4178079	0.55, 41780	0.46673	0.45732	219.54291	100.98995	27.44286	18.56894	1.96306E-10	1.21E-12	1.98E-10	9.23E-08	2.67E-10	9.26E-08	1.15E-08	7.25E-11	1.16E-08	6.09E-14	1.84E-13	1.07E-13	0	0	0	0	9.876E-12	9.2606E-08	1.16E-08	5.06504E-14	0	3.11154E-14	0
157	571270.6	4178079	0.55, 41780	0.53318	0.48578	215.1929	81.06645	26.89911	17.27973	2.24255E-10	1.28E-12	2.26E-10	9.05E-08	2.14E-10	9.07E-08	1.13E-08	7.11E-11	1.14E-08	6.96E-14	2.1E-13	1.22E-13	0	0	0	0	1.128E-11	9.0724E-08	1.14E-08	5.78368E-14	0	3.55301E-14	0
158	571310.6	4178079	0.55, 41780	0.58671	0.50689	205.97464	69.75551	25.74683	14.70822	2.4677E-10	1.34E-12	2.48E-10	8.66E-08	1.84E-10	8.68E-08	1.08E-08	6.80E-11	1.09E-08	7.66E-14	2.31E-13	1.34E-13	0	0	0	0	1.241E-11	8.6817E-08	1.09E-08	6.36248E-14	0	3.90857E-14	0
159	571350.6	4178079	0.55, 41780	0.61439	0.51569	184.46358	62.8789	23.05795	12.5762	2.58412E-10	1.36E-12	2.6E-10	7.76E-08	1.66E-10	7.78E-08	9.7E-09	6.09E-11	9.76E-09	8.02E-14	2.42E-13	1.4E-13	0	0	0	0	1.299E-11	7.7751E-08	9.76E-09	6.66162E-14	0	4.09234E-14	0
160	571390.6	4178079	0.55, 41780	0.61879	0.51229	162.6235	50.78632	20.32794	11.67282	2.60262E-10	1.35E-12	2.62E-10	6.84E-08	1.34E-10	6.85E-08	8.55E-09	5.37E-11	8.6E-09	8.07E-14	2.44E-13	1.41E-13	0	0	0	0	1.308E-11	6.8534E-08	8.6E-09	6.70885E-14	0	4.12135E-14	0
161	571430.6	4178079	0.55, 41780	0.60477	0.49855	157.24404	39.05995	19.65551	9.99401	2.54366E-10	1.32E-12	2.56E-10	6.61E-08	1.03E-10	6.62E-08	8.27E-09	5.19E-11	8.32E-09	7.89E-14	2.38E-13	1.38E-13	0	0	0	0	1.278E-11	6.624E-08	8.32E-09	6.5567E-14	0	4.02789E-14	0
162	571470.6	4178079	0.55, 41780	0.57311	0.47467	152.07991	30.59352	19.00999	9.68796	2.41049E-10	1.25E-12	2.42E-10	6.4E-08	8.09E-11	6.4E-08	8E-09	5.02E-11	8.05E-09	7.48E-14	2.26E-13	1.31E-13	0	0	0	0	1.212E-11	6.4046E-08	8.05E-09	6.21361E-14	0	3.81712E-14	0
163	571510.6	4178079	0.55, 41780	0.53465	0.44658	137.55383	33.88214	17.19423	8.95455	2.24873E-10	1.18E-12	2.26E-10	5.79E-08	8.96E-11	5.79E-08	7.23E-09	4.54E-11	7.28E-09	6.98E-14	2.11E-13	1.22E-13	0	0	0	0	1.13E-11	5.7945E-08	7.28E-09	5.79688E-14	0	3.56112E-14	0
164	571550.6	4178079	0.55, 41780	0.48548	0.41212	120.13532	36.07438	15.01691	7.90342	2.04192E-10	1.09E-12	2.05E-10	5.05E-08	9.53E-11	5.06E-08	6.32E-09	3.97E-11	6.36E-09	6.33E-14	1.91E-13	1.11E-13	0	0	0	0	1.026E-11	5.0624E-08	6.36E-09	5.26421E-14	0	3.23389E-14	0
165	571590.6	4178079	0.55, 41780	0.43445	0.37558	108.95419	37.19094	13.61927	6.74143	1.82729E-10	9.93E-13	1.84E-10	4.58E-08	9.83E-11	4.59E-08	5.73E-09	3.60E-11	5.76E-09	5.67E-14	1.71E-13	9.91E-14	0	0	0	0	9.186E-12	4.5924E-08	5.76E-09	4.71133E-14	0	2.89425E-14	0
166	570310.6	4178119	0.55, 41781	0.10149	0.07442	69.0748	28.05035	8.63435	4.67506	4.26866E-11	1.97E-13	4.29E-11	2.91E-08	7.41E-11	2.91E-08	3.63E-09	2.28E-11	3.65E-09	1.32E-14	4E-14	2.31E-14	0	0	0	0	2.144E-12	2.9127E-08	3.65E-09	1.09969E-14	0	6.75559E-15	0
167	570350.6	4178119	0.55, 41781	0.11138	0.08273	79.07973	29.62524	9.88497	4.93754	4.68463E-11	2.19E-13	4.71E-11	3.33E-08	7.83E-11	3.33E-08	4.16E-09	2.61E-11	4.18E-09	1.45E-14	4.39E-14	2.54E-14	0	0	0	0	2.353E-12	3.3339E-08	4.18E-09	1.20693E-14	0	7.41434E-15	0
168	570390.6	4178119	0.55, 41781	0.12249	0.09237	81.81771	30.97041	10.22721	5.16174	5.15192E-11	2.44E-13	5.18E-11	3.44E-08	8.19E-11	3.45E-08	4.3E-09	2.70E-11	4.33E-09	1.6E-14	4.82E-14	2.79E-14	0	0	0	0	2.588E-12	3.4494E-08	4.33E-09	1.32741E-14	0	8.15449E-15	0
169	570430.6	4178119	0.55, 41781	0.13492	0.10362	81.48606	32.23138	10.18576	5.3719	5.67472E-11	2.74E-13	5.7E-11	3.43E-08	8.52E-11	3.44E-08	4.28E-09	2.69E-11	4.31E-09	1.76E-14	5.31E-14	3.08E-14	0	0	0	0	2.851E-12	3.4358E-08	4.31E-09	1.46224E-14	0	8.98277E-15	0
170	570470.6	4178119	0.55, 41781	0.14882	0.11683	90.82614	33.6686	11.35327	5.5932	6.25935E-11	3.09E-13	6.29E-11	3.82E-08	8.90E-11	3.83E-08	4.78E-09	3.00E-11	4.81E-09	1.94E-14	5.86E-14	3.39E-14	0	0	0	0	3.145E-12	3.829E-08	4.81E-09	1.61306E-14	0	9.90927E-15	0
171	570510.6	4178119	0.55, 41781	0.16361	0.13228	92.34034	35.20886	11.54254	5.82093	6.88142E-11	3.50E-13	6.92E-11	3.88E-08	9.31E-11	3.89E-08	4.85E-09	3.05E-11	4.89E-09	2.13E-14	6.44E-14	3.73E-14	0	0	0	0	3.458E-12	3.8931E-08	4.89E-09	1.77363E-14	0	1.08957E-14	0
172	570550.6	4178119	0.55, 41781	0.17911	0.1505	100.11195	36.92243	12.51399	6.33987	7.53335E-11	3.98E-13	7.57E-11	4.21E-08	9.76E-11	4.22E-08	5.26E-09	3.31E-11	5.3E-09	2.34E-14	7.06E-14	4.08E-14	0	0	0	0	3.787E-12	4.2205E-08	5.3E-09	1.94204E-14	0	1.19303E-14	0
173	570590.6	4178119	0.55, 41781	0.19374	0.17125	103.74737	38.76233	12.96842	6.89651	8.14868E-11	4.53E-13	8.19E-11	4.36E-08	1.02E-10	4.37E-08	5.45E-09	3.43E-11	5.49E-09	2.53E-14	7.63E-14	4.42E-14	0	0	0	0	4.097E-12	4.3738E-08	5.49E-09	2.10124E-14	0	1.29083E-14	0
174	570630.6	4178119	0.55, 41781	0.2069	0.19483	104.63966	41.01094	13.84797	7.49161	8.70219E-11	5.15E-13	8.75E-11	4.4E-08	1.08E-10	4.41E-08	5.82E-09	3.66E-11	5.86E-09	2.7E-14	8.16E-14	4.72E-14	0	0	0	0	4.377E-12	4.412E-08	5.86E-09	2.24478E-14	0	1.37901E-14	0
175	570670.6	4178119	0.55, 41781	0.21998	0.22122	115.58367	43.51142	15.0671	8.60459	9.25234E-11	5.85E-13	9.31E-11	4.86E-08	1.15E-10	4.87E-08	6.34E-09	3.98E-11	6.38E-09	2.87E-14	8.68E-14	5.02E-14	0	0	0	0	4.655E-12	4.8729E-08	6.38E-09	2.38765E-14	0	1.46677E-14	0
176	570710.6	4178119	0.55, 41781	0.23703	0.25104	127.12041	45.98226	16.41254	9.96819	9.96946E-11	6.64E-13	1E-10	5.35E-08	1.22E-10	5.36E-08	6.9E-09	4.34E-11	6.95E-09	3.1E-14	9.35E-14	5.41E-14	0	0	0	0	5.018E-12	5.3588E-08	6.95E-09	2.57357E-14	0	1.58098E-14	0
177	570750.6	4178119	0.55, 41781	0.26187	0.28441	163.41699	49.64069	20.42712	11.18287	1.10142E-10	7.52E-13	1.11E-10	6.87E-08	1.31E-10	6.89E-08	8.59E-09	5.40E-11	8.65E-09	3.42E-14	1.03E-13	5.98E-14	0	0	0	0	5.545E-12	6.8864E-08	8.65E-09	2.84375E-14	0	1.74696E-14	0
178	570790.6	4178119	0.55, 41781	0.29707	0.32177	189.30326	59.79186	23.66291	12.3939	1.24947E-10	8.50E-13	1.26E-10	7.96E-08	1.58E-10	7.98E-08	9.95E-09	6.25E-11	1E-08	3.88E-14	1.17E-13	6.79E-14	0	0	0	0	6.29E-12	7.9779E-08	1E-08	3.22594E-14	0	1.98175E-14	0
179	570830.6	4178119	0.55, 41781	0.34574	0.3643	193.11502	64.55328	24.13938	13.76558	1.45418E-10	9.63E-13	1.46E-10	8.12E-08	1.71E-10	8.14E-08	1.02E-08	6.38E-11	1.02E-08	4.52E-14	1.36E-13	7.9E-14	0	0	0	0	7.319E-12	8.1395E-08	1.02E-08	3.75376E-14	0	2.306E-14	0
180	570870.6	4178119	0.55, 41781	0.41228	0.41342	202.8381	69.60981	25.35476	15.49628	1.73405E-10	1.09E-12	1.74E-10	8.53E-08	1.84E-10	8.55E-08	1.07E-08	6.70E-11	1.07E-08	5.38E-14	1.63E-13	9.41E-14	0	0	0	0	8.725E-12	8.5497E-08	1.07E-08	4.47478E-14	0	2.74893E-14	0
181	570910.6	4178119	0.55, 41781	0.49003	0.46844	224.50761	75.3478	28.06345	17.99511	2.06106E-10	1.24E-12	2.07E-10	9.44E-08	1.99E-10	9.46E-08	1.18E-08	7.42E-11	1.19E-08	6.4E-14	1.93E-13	1.12E-13	0	0	0	0	1.037E-11	9.4627E-08	1.19E-08	5.3171E-14	0	3.26638E-14	0
182	570950.6	4178119	0.55, 41781	0.55455	0.52056	237.44511	82.6149	31.19836	20.61697	2.33243E-10	1.38E-12	2.35E-10	9.99E-08	2.18E-10	1E-07	1.31E-08	8.25E-11	1.32E-08	7.24E-14	2.19E-13	1.27E-13	0	0	0	0	1.173E-11	1.0009E-07	1.32E-08	6.01653E-14	0	3.69605E-14	0
183	570990.6	4178119	0.55, 41781	0.59019	0.56679	260.70129	98.30209	39.14578	18.7176	2.48233E-10	1.50E-12	2.5E-10	1.1E-07	2.60E-10	1.1E-07	1.65E-08	1.03E-10	1.66E-08	7.71E-14	2.33E-13	1.35E-13	0	0	0	0	1.249E-11	1.0991E-07	1.66E-08	6.40407E-14	0	3.93412E-14	0
184	571030.6	4178119	0.55, 41781	0.58003	0.59593	288.08817	110.38847	43.41155	19.84321	2.4396E-10	1.58E-12	2.46E-10	1.21E-07	2.92E-10	1.21E-07	1.83E-08	1.15E-10	1.84E-08	7.58E-14	2.29E-13	1.32E-13	0	0	0	0	1.228E-11	1.2146E-07	1.84E-08	6.29646E-14	0	3.86802E-14	0
185	571070.6	4178119	0.55, 41781	0.56003	0.61401	281.59163	124.26135	39.26934	23.95732	2.35548E-10	1.62E-12	2.37E-10	1.18E-07	3.28E-10	1.19E-07	1.65E-08	1.04E-10	1.66E-08	7.32E-14	2.21E-13	1.28E-13	0	0	0	0	1.186E-11	1.1877E-07	1.66E-08	6.08197E-14	0	3.73625E-14	0
186	571110.6	4178119	0.55, 41781	0.57497	0.62965	279.23237	138.16088	41.39356	27.39628	2.41832E-10	1.66E-12	2.43E-10	1.17E-07	3.65E-10	1.18E-07	1.74E-08	1.09E-10	1.75E-08	7.51E-14	2.27E-13	1.31E-13	0	0	0	0	1.217E-11	1.1781E-07	1.75E-08	6.24417E-14	0	3.8359E-14	0
187	571150.6	4178119	0.55, 41781	0.64473	0.65929	273.06399	137.55558	37.77228	27.34359	2.71173E-10	1.74E-12	2.73E-10	1.15E-07	3.64E-10	1.15E-07	1.59E-08	9.98E-11	1.6E-08	8.42E-14	2.54E-13	1.47E-13	0	0	0	0	1.365E-11	1.1521E-07	1.6E-08	6.99859E-14	0	4.29935E-14	0
188	571190.6	4178119	0.55, 41781	0.76806	0.70549	260.36357	120.74038	32.90288	24.49294	3.23045E-10	1.86E-12	3.25E-10	1.1E-07	3.19E-10	1.1E-07	1.38E-08	8.70E-11	1.39E-08	1E-13	3.03E-13	1.75E-13	0	0	0	0	1.625E-11	1.0983E-07	1.39E-08	8.33194E-14	0	5.11844E-14	0
189	571230.6	4178119	0.55, 41781	0.88147	0.74364	250.38438	100.21062	31.29805	22.32262	3.70745E-10	1.97E-12	3.73E-10	1.05E-07	2.65E-10	1.06E-07	1.32E-08	8.27E-11	1.32E-08	1.15E-13	3.47E-13	2.01E-13	0	0	0	0	1.864E-11	1.0558E-07	1.32E-08	9.55774E-14	0	5.87147E-14	0
190	571270.6	4178119	0.55, 41781	0.94057	0.75526	235.31349	80.57107	29.41419	18.81416	3.95603E-10	2.00E-12	3.98E-10	9.9E-08	2.13E-10	9.92E-08	1.24E-08	7.77E-11	1.24E-08	1.23E-13	3.7E-13	2.14E-13	0	0	0	0	1.988E-11	9.9186E-08	1.24E-08	1.0196E-13	0	6.26355E-14	0
191	571310.6	4178119	0.55, 41781	0.94266	0.74202	211.76846	71.48368	26.47106	15.9259	3.96482E-10	1.96E-12	3.98E-10	8.91E-08	1.89E-10	8.93E-08	1.11E-08	7.00E-11	1.12E-08	1.23E-13	3.71E-13	2.15E-13	0	0	0	0	1.992E-11	8.9259E-08	1.12E-08	1.02176E-13	0	6.27684E-14	0
192	571350.6	4178119	0.55, 41781	0.90909	0.71255	184.59351	57.17412	23.07419	14.42847	3.82362E-10	1.88E-12	3.84E-10	7.76E-08	1.51E-10	7.78E-08	9.7E-09	6.10E-11	9.77E-09	1.19E-13	3.58E-13	2.07E-13	0	0	0	0	1.921E-11	7.7791E-08	9.77E-09	9.85353E-14	0	6.05318E-14	0
193	571390.6	4178119	0.55, 41781	0.85308	0.67145	182.88204	42.90716	22.86025	12.27464	3.58805E-10	1.77E-12	3.61E-10	7.69E-08	1.13E-10	7.7E-08	9.61E-09	6.04E-11	9.68E-09	1.11E-13	3.36E-13	1.94E-13	0	0	0	0	1.803E-11	7.7033E-08	9.68E-09	9.24663E-14	0	5.68036E-14	0
194	571430.6	4178119	0.55, 41781	0.78	0.62166	169.0522	41.64549	21.13153	11.39175	3.28067E-10	1.64E-12	3.3E-10	7.11E-08	1.10E-10	7.12E-08	8.89E-09	5.59E-11	8.94E-09	1.02E-13	3.07E-13	1.78E-13	0	0	0	0	1.649E-11	7.1213E-08	8.94E-09	8.45504E-14	0	5.19407E-14	0
195	571470.6	4178119	0.55, 41781	0.69763	0.567	144.82238	43.55007	18.1028	10.0864	2.93422E-10	1.50E-12	2.95E-10	6.09E-08	1.15E-10	6.1E-08	7.61E-09	4.78E-11	7.66E-09	9.1E-14	2.75E-13	1.59E-13	0	0	0	0	1.475E-11	6.1027E-08	7.66E-09	7.56291E-14	0	4.64602E-14	0
196	571510.6	4178119	0.55, 41781	0.61632	0.51188	129.07456	44.20691	16.93315	8.5721	2.59224E-10	1.35E-12	2.61E-10	5.43E-08	1.17E-10	5.44E-08	7.12E-09	4.48E-11	7.17E-09	8.04E-14	2.43E-13	1.41E-13	0	0	0	0	1.303E-11	5.4405E-08	7.17E-09	6.68218E-14	0	4.10497E-14	0
197	571550.6	4178119	0.55, 41781	0.53701	0.45659	116.13448	43.6354	16.99831	7.6971	2.25866E-10	1.21E-12	2.27E-10	4.88E-08	1.15E-10	4.9E-08	7.15E-09	4.49E-11	7.19E-09	7.01E-14	2.12E-13	1.22E-13	0	0	0	0	1.135E-11	4.8961E-08	7.19E-09	5.82301E-14	0	3.57717E-14	0
198	571590.6	4178119	0.55, 41781	0.46599	0.40463	103.06511	42.01095	16.60125	6.75955	1.95995E-10	1.07E-12	1.97E-10	4.33E-08	1.11E-10	4.35E-08	6.98E-09	4.39E-11	7.03E-09	6.08E-14	1.84E-13	1.06E-13	0	0	0	0	9.853E-12	4.346E-08	7.03E-09	5.05349E-14	0	3.10444E-14	0
199	570310.6	4178159	0.55, 41781	0.10452	0.07557	83.14681	27.07322	10.39335	4.47805	4.3961E-11	2.00E-13	4.42E-11	3.5E-08	7.16E-11	3.5E-08	4.37E-09	2.75E-11	4.4E-09	1.36E-14	4.11E-14	2.38E-14	0	0	0	0	2.208E-12	3.5043E-08	4.4E-09	1.13245E-14	0	6.95683E-15	0
200	570350.6	4178159	0.55, 41781	0.1156	0.08446	83.51332	29.37807	10.43917	4.89635	4.86212E-11	2.23E-13	4.88E-11	3.51E-08	7.76E-11	3.52E-08	4.39E-09	2.76E-11	4.42E-09	1.51E-14	4.55E-14	2.63E-14	0	0	0	0	2.442E-12	3.5203E-08	4.42E-09	1.25256E-14	0	7.69468E-15	0
201	570390.6	4178159	0.55, 41781	0.12828	0.09489	85.72091	31.44775	10.71511	5.24129	5.39544E-11	2.51E-13	5.42E-11	3.61E-08	8.31E-11	3.61E-08	4.51E-09	2.83E-11	4.54E-09	1.67E-14	5.05E-14	2.92E-14	0	0	0	0	2.71E-12	3.6137E-08	4.54E-09	1.39003E-14	0	8.53918E-15	0
202	570430.6	4178159	0.55, 41781	0.14269	0.1072	94.53138	33.159	11.81642	5.5265	6.00153E-11	2.83E-13	6.03E-11	3.98E-08	8.76E-11	3.98E-08	4.97E-09	3.12E-11	5E-09	1.86E-14	5.62E-14	3.25E-14	0	0	0	0	3.015E-12	3.9847E-08	5E-09	1.54629E-14	0	9.49909E-15	0
203	570470.6	4178159	0.55, 41781	0.15906	0.12183	91.68652	34.69147	11.46082	5.78191	6.69005E-11	3.22E-13	6.72E-11	3.86E-08	9.17E-11	3.87E-08	4.82E-09	3.03E-11	4.85E-09	2.07E-14	6.26E-14	3.63E-14	0	0	0	0	3.361E-12	3.8655E-08	4.85E-09	1.72384E-14	0	1.05898E-14	0
204	570510.6	4178159	0.55, 41781	0.17738	0.13933	103.8828	36.49731	12.98535	6.04456	7.46058E-11	3.68E-13	7.5E-11	4.37E-08	9.65E-11	4.38E-08	5.46E-09	3.43E-11	5.5E-09	2.31E-14	6.99E-14	4.04E-14	0	0	0	0	3.749E-12	4.3789E-08	5.5E-09	1.92262E-14	0	1.1811E-14	0
205	570550.6	4178159	0.55, 41781	0.19733	0.16029	106.21161	38.46337	13.27645	6.62676	8.29968E-11	4.24E-13	8.34E-11	4.47E-08	1.02E-10	4.48E-08	5.58E-09	3.51E-11	5.62E-09	2.57E-14	7.77E-14	4.5E-14	0	0	0	0	4.171E-12	4.4774E-08	5.62E-09	2.13922E-14	0	1.31416E-14	0
206	570590.6	4178159	0.55, 41781	0.21794	0.18524	115.65264	40.48441	14.45658	7.37316	9.16653E-11	4.90E-13	9.22E-11	4.86E-08	1.07E-10	4.88E-08	6.08E-09	3.82E-11	6.12E-09	2.84E-14	8.59E-14	4.97E-14	0	0	0	0	4.608E-12	4.875E-08	6.12E-09	2.36321E-14	0	1.45176E-14	0
207	570630.6	4178159	0.55, 41781	0.23707	0.21436	118.44365	42.79741	14.80546	8.08317	9.97114E-11	5.67E-13	1E-10	4.98E-08	1.13E-10	4.99E-08	6.23E-09	3.91E-11	6.27E-09	3.09E-14	9.34E-14	5.41E-14	0	0	0	0	5.014E-12	4.993E-08	6.27E-09	2.57151E-14	0	1.57972E-14	0
208	570670.6	4178159	0.55, 41781	0.25383	0.24795	124.95922	45.84094	15.6199	8.90031	1.06761E-10	6.55E-13	1.07E-10	5.26E-08	1.21E-10	5.27E-08	6.57E-09	4.13E-11	6.61E-09	3.31E-14	1E-13	5.79E-14	0	0	0	0	5.371E-12	5.2679E-08	6.61E-09	2.75456E-14	0	1.69217E-14	0
209	570710.6	4178159	0.55, 41781	0.27135	0.28697	131.25248	49.29697	17.47805	10.6966	1.1413E-10	7.58E-13	1.15E-10	5.52E-08	1.30E-10	5.53E-08	7.35E-09	4.62E-11	7.4E-09	3.55E-14	1.07E-13	6.2E-14	0	0	0	0	5.744E-12	5.5335E-08	7.4E-09	2.94617E-14	0	1.80988E-14	0
210	570750.6	4178159	0.55, 41781	0.29528	0.33222	146.48828	52.90094	21.86848	12.23914	1.24194E-10	8.78E-13	1.25E-10	6.16E-08	1.40E-10	6.18E-08	9.2E-09	5.78E-11	9.26E-09	3.86E-14	1.17E-13	6.75E-14	0	0	0	0	6.254E-12	6.1753E-08	9.26E-09	3.20734E-14	0	1.97032E-14	0
211	570790.6	4178159	0.55, 41781	0.33253	0.38536	168.4296	63.37031	22.18934	13.75991	1.39862E-10	1.02E-12	1.41E-10	7.08E-08	1.67E-10	7.1E-08	9.33E-09	5.86E-11	9.39E-09	4.35E-14	1.31E-13	7.6E-14	0	0	0	0	7.044E-12	7.1009E-08	9.39E-09	3.61271E-14	0	2.21935E-14	0
212	570830.6	4178159	0.55, 41781	0.39122	0.44987	226.40986	70.88867	28.30123	15.58224	1.64547E-10	1.19E-12	1.66E-10	9.52E-08	1.87E-10	9.54E-08	1.19E-08	7.48E-11	1.2E-08	5.11E-14	1.54E-13	8.94E-14	0	0	0	0	8.287E-12	9.5415E-08	1.2E-08	4.2501E-14	0	2.61091E-14	0
213	570870.6	4178159	0.55, 41781	0.48272	0.53035	262.06298	76.1106	32.75787	17.58972	2.03032E-10	1.40E-12	2.04E-10	1.1E-07	2.01E-10	1.1E-07	1.38E-08	8.66E-11	1.39E-08	6.31E-14	1.9E-13	1.1E-13	0	0	0	0	1.022E-11	1.1042E-07	1.39E-08	5.24245E-14	0	3.22052E-14	0
214	570910.6	4178159	0.55, 41781	0.61652	0.63133	261.24493	84.17228	32.65562	20.33398	2.59308E-10	1.67E-12	2.61E-10	1.1E-07	2.22E-10	1.1E-07	1.37E-08	8.63E-11	1.38E-08	8.05E-14	2.43E-13	1.41E-13	0	0	0	0	1.305E-11	1.101E-07	1.38E-08	6.69243E-14	0	4.11127E-14	0
215	570950.6	4178159	0.55, 41781	0.78722	0.75662	286.12528	93.97029	38.09436	25.30252	3.31104E-10	2.00E-12	3.33E-10	1.2E-07	2.48E-10	1.21E-07	1.6E-08	1.01E-10	1.61E-08	1.03E-13	3.1E-13	1.8E-13	0	0	0	0	1.666E-11	1.2059E-07	1.61E-08	8.54206E-14	0	5.24752E-14	0
216	570990.6	4178159	0.55, 41781	0.95557	0.89576	303.7283	113.02353	49.39935	30.83627	4.01912E-10	2.37E-12	4.04E-10	1.28E-07	2.99E-10	1.28E-07	2.08E-08	1.31E-10	2.09E-08	1.25E-13	3.77E-13	2.18E-13	0	0	0	0	2.021E-11	1.2805E-07	2.09E-08	1.03673E-13	0	6.36878E-14	0
217	571030.6	4178159	0.55, 41781	1.0701	1.00768	365.27865	135.92516	63.89384	29.33742	4.50083E-10	2.66E-12	4.53E-10	1.54E-07	3.59E-10	1.54E-07	2.69E-08	1.69E-10	2.7E-08	1.4E-13	4.22E-13	2.44E-13	0	0	0	0	2.264E-11	1.54E-07	2.7E-08	1.16102E-13	0	7.1323E-14	0
218	571070.6	4178159	0.55, 41781	1.06935	1.07923	382.13438	155.20031	54.74849	37.25068	4.49768E-10	2.85E-12	4.53E-10	1.61E-07	4.10E-10	1.61E-07	2.3E-08	1.45E-10	2.32E-08	1.4E-13	4.22E-13	2.44E-13	0	0	0	0	2.263E-11	1.6114E-07	2.32E-08	1.16069E-13	0	7.13031E-14	0
219	571110.6	4178159	0.55, 41781	1.19831	1.16386	373.85472	174.62021	53.40782	39.37776	5.04008E-10	3.08E-12	5.07E-10	1.57E-07	4.62E-10	1.58E-07	2.25E-08	1.41E-10	2.26E-08	1.56E-13	4.72E-13	2.74E-13	0	0	0	0	2.535E-11	1.577E-07	2.26E-08	1.30036E-13	0	7.98831E-14	0
220	571150.6	4178159	0.55, 41781	1.53671	1.26322	331.2731	149.81574	50.26616	34.67292	6.46339E-10	3.34E-12	6.5E-10	1.39E-07	3.96E-10	1.4E-07	2.11E-08	1.33E-10	2.13E-08	2E-13	6.05E-13	3.5E-13	0	0	0	0	3.248E-11	1.3973E-07	2.13E-08	1.66602E-13	0	1.02346E-13	0
221	571190.6	4178159	0.55, 41781	1.71324	1.27647	303.51531	125.05743	43.45807	29.97586	7.20587E-10	3.37E-12	7.24E-10	1.28E-07	3.31E-10	1.28E-07	1.83E-08	1.15E-10	1.84E-08	2.23E-13	6.75E-13	3.9E-13	0	0	0	0	3.62E-11	1.2799E-07	1.84E-08	1.85651E-13	0	1.14049E-13	0
222	571230.6	4178159	0.55, 41781	1.67997	1.21931	277.00255	96.22407	36.53844	24.95569	7.06594E-10	3.22E-12	7.1E-10	1.17E-07	2.54E-10	1.17E-07	1.54E-08	9.66E-11	1.55E-08	2.19E-13	6.61E-13	3.83E-13	0	0	0	0	3.549E-11	1.1676E-07	1.55E-08	1.82024E-13	0	1.1182E-13	0
223	571270.6	4178159	0.55, 41781	1.56347	1.13234	251.98402	83.18585	31.498	20.71301	6.57594E-10	2.99E-12	6.61E-10	1.06E-07	2.20E-10	1.06E-07	1.32E-08	8.32E-11	1.33E-08	2.04E-13	6.15E-13	3.56E-13	0	0	0	0	3.303E-11	1.062E-07	1.33E-08	1.694E-13	0	1.04065E-13	0
224	571310.6	4178159	0.55, 41781	1.42012	1.03692	223.09845	65.85457	27.88731	18.21453	5.97301E-10	2.74E-12	6E-10	9.38E-08	1.74E-10	9.4E-08	1.17E-08	7.37E-11	1.18E-08	1.85E-13	5.59E-13	3.24E-13	0	0	0	0	3E-11	9.4009E-08	1.18E-08	1.53874E-13	0	9.45271E-14	0
225	571350.6	4178159	0.55, 41781	1.26306	0.93714	212.7442	53.05659	26.59303	15.01468	5.31242E-10	2.48E-12	5.34E-10	8.95E-08	1.40E-10	8.96E-08	1.12E-08	7.03E-11	1.13E-08	1.65E-13	4.97E-13	2.88E-13	0	0	0	0	2.669E-11	8.962E-08	1.13E-08	1.36866E-13	0	8.4079E-14	0
226	571390.6	4178159	0.55, 41781	1.10199	0.83709	185.92823	54.01949	23.24103	13.29114	4.63496E-10	2.21E-12	4.66E-10	7.82E-08	1.43E-10	7.83E-08	9.78E-09	6.14E-11	9.84E-09	1.44E-13	4.34E-13	2.51E-13	0	0	0	0	2.329E-11	7.8344E-08	9.84E-09	1.19425E-13	0	7.3365E-14	0
227	571430.6	4178159	0.55, 41781	0.9418	0.73869	159.26436	53.60229	21.61583	11.2268	3.9612E-10	1.95E-12	3.98E-10	6.7E-08	1.42E-10	6.71E-08	9.09E-09	5.71E-11	9.15E-09	1.23E-13	3.71E-13	2.15E-13	0	0	0	0	1.99E-11	6.7128E-08	9.15E-09	1.02081E-13	0	6.271E-14	0
228	571470.6	4178159	0.55, 41781	0.79447	0.64516	139.92539	51.85557	21.06215	9.90602	3.34153E-10	1.71E-12	3.36E-10	5.89E-08	1.37E-10	5.9E-08	8.86E-09	5.57E-11	8.91E-09	1.04E-13	3.13E-13	1.81E-13	0	0	0	0	1.679E-11	5.899E-08	8.91E-09	8.6127E-14	0	5.29092E-14	0
229	571510.6	4178159	0.55, 41781	0.67282	0.56206	120.25585	49.92459	19.96311	8.50885	2.82987E-10	1.49E-12	2.84E-10	5.06E-08	1.32E-10	5.07E-08	8.4E-09	5.28E-11	8.45E-09	8.78E-14	2.65E-13	1.53E-13	0	0	0	0	1.422E-11	5.0711E-08	8.45E-09	7.29498E-14	0	4.48142E-14	0
230	571550.6	4178159	0.55, 41781	0.57423	0.48972	110.64777	47.57404	18.4413	7.31081	2.41521E-10	1.29E-12	2.43E-10	4.65E-08	1.26E-10	4.67E-08	7.76E-09	4.87E-11	7.81E-09	7.49E-14	2.26E-13	1.31E-13	0	0	0	0	1.214E-11	4.6664E-08	7.81E-09	6.22671E-14	0	3.82517E-14	0
231	571590.6	4178159	0.55, 41781	0.49292	0.42713	100.4908	44.5532	16.74847	6.44552	2.07322E-10	1.13E-12	2.08E-10	4.23E-08	1.18E-10	4.24E-08	7.04E-09	4.43E-11	7.09E-09	6.43E-14	1.94E-13	1.12E-13	0	0	0	0	1.042E-11	4.2384E-08	7.09E-09	5.34547E-14	0	3.28381E-14	0
232	570310.6	4178199	0.55, 41781	0.10691	0.07648	81.28791	24.55019	10.16099	3.94128	4.49662E-11	2.02E-13	4.52E-11	3.42E-08	6.49E-11	3.43E-08	4.27E-09	2.69E-11	4.3E-09	1.39E-14	4.21E-14	2.44E-14	0	0	0	0	2.258E-12	3.4254E-08	4.3E-09	1.15829E-14	0	7.11557E-15	0
233	570350.6	4178199	0.55, 41781	0.11881	0.08587	92.41038	27.80697	11.5513	4.55912	4.99714E-11	2.27E-13	5.02E-11	3.89E-08	7.35E-11	3.89E-08	4.86E-09	3.05E-11	4.89E-09	1.55E-14	4.68E-14	2.71E-14	0	0	0	0	2.51E-12	3.8941E-08	4.89E-09	1.28728E-14	0	7.90795E-15	0
234	570390.6	4178199	0.55, 41781	0.13286	0.09703	98.9418	30.67703	12.36772	5.11284	5.58808E-11	2.56E-13	5.61E-11	4.16E-08	8.11E-11	4.17E-08	5.2E-09	3.27E-11	5.23E-09	1.73E-14	5.23E-14	3.03E-14	0	0	0	0	2.807E-12	4.1696E-08	5.23E-09	1.43957E-14	0	8.84354E-15	0
235	570430.6	4178199	0.55, 41781	0.14935	0.11037	98.24021	33.47488	12.28003	5.57915	6.28165E-11	2.92E-13	6.31E-11	4.13E-08	8.85E-11	4.14E-08	5.16E-09	3.25E-11	5.2E-09	1.95E-14	5.88E-14	3.4E-14	0	0	0	0	3.155E-12	4.1408E-08	5.2E-09	1.61834E-14	0	9.9417E-15	0
236	570470.6	4178199	0.55, 41781	0.1686	0.12646	107.25905	35.76824	13.40738	5.96137	7.0913E-11	3.34E-13	7.12E-11	4.51E-08	9.45E-11	4.52E-08	5.64E-09	3.54E-11	5.67E-09	2.2E-14	6.64E-14	3.84E-14	0	0	0	0	3.562E-12	4.5208E-08	5.67E-09	1.82705E-14	0	1.12239E-14	0
237	570510.6	4178199	0.55, 41781	0.19081	0.14598	111.923	37.71142	13.99038	6.28524	8.02545E-11	3.86E-13	8.06E-11	4.71E-08	9.97E-11	4.72E-08	5.88E-09	3.70E-11	5.92E-09	2.49E-14	7.51E-14	4.35E-14	0	0	0	0	4.032E-12	4.7174E-08	5.92E-09	2.06793E-14	0	1.27036E-14	0
238	570550.6	4178199	0.55, 41781	0.21602	0.16987	119.57772	40.00549	14.94721	6.67621	9.08578E-11	4.49E-13	9.13E-11	5.03E-08	1.06E-10	5.04E-08	6.29E-09	3.95E-11	6.33E-09	2.82E-14	8.51E-14	4.92E-14	0	0	0	0	4.565E-12	5.04E-08	6.33E-09	2.34146E-14	0	1.43839E-14	0
239	570590.6	4178199	0.55, 41781	0.24388	0.19917	124.08345	42.52786	15.51043	7.78928	1.02576E-10	5.26E-13	1.03E-10	5.22E-08	1.12E-10	5.23E-08	6.52E-09	4.10E-11	6.56E-09	3.18E-14	9.61E-14	5.56E-14	0	0	0	0	5.155E-12	5.2302E-08	6.56E-09	2.64393E-14	0	1.62421E-14	0
240	570630.6	4178199	0.55, 41781	0.27242	0.23473	135.79301	45.13025	16.97413	8.73982	1.1458E-10	6.20E-13	1.15E-10	5.71E-08	1.19E-10	5.72E-08	7.14E-09	4.49E-11	7.18E-09	3.55E-14	1.07E-13	6.21E-14	0	0	0	0	5.76E-12	5.7234E-08	7.18E-09	2.95417E-14	0	1.81479E-14	0
241	570670.6	4178199	0.55, 41781	0.29828	0.27729	136.89517	48.04336	17.44831	9.65486	1.25456E-10	7.33E-13	1.26E-10	5.76E-08	1.27E-10	5.77E-08	7.34E-09	4.61E-11	7.38E-09	3.89E-14	1.18E-13	6.81E-14	0	0	0	0	6.309E-12	5.7705E-08	7.38E-09	3.23597E-14	0	1.98791E-14	0
242	570710.6	4178199	0.55, 41781	0.321	0.32818	151.98197	52.23375	19.68934	11.4382	1.35012E-10	8.67E-13	1.36E-10	6.39E-08	1.38E-10	6.41E-08	8.28E-09	5.20E-11	8.33E-09	4.19E-14	1.27E-13	7.33E-14	0	0	0	0	6.794E-12	6.4062E-08	8.33E-09	3.48448E-14	0	2.14057E-14	0
243	570750.6	4178199	0.55, 41781	0.34558	0.38955	144.14265	57.26085	22.53194	13.53855	1.45351E-10	1.03E-12	1.46E-10	6.06E-08	1.51E-10	6.08E-08	9.48E-09	5.96E-11	9.54E-09	4.52E-14	1.36E-13	7.9E-14	0	0	0	0	7.319E-12	6.0778E-08	9.54E-09	3.75375E-14	0	2.30599E-14	0
244	570790.6	4178199	0.55, 41781	0.38143	0.46429	173.32889	66.95506	25.57778	15.36352	1.60429E-10	1.23E-12	1.62E-10	7.29E-08	1.77E-10	7.31E-08	1.08E-08	6.76E-11	1.08E-08	4.99E-14	1.51E-13	8.72E-14	0	0	0	0	8.083E-12	7.3079E-08	1.08E-08	4.14548E-14	0	2.54664E-14	0
245	570830.6	4178199	0.55, 41781	0.44289	0.55991	200.31972	78.9407	28.47462	17.66262	1.86279E-10	1.48E-12	1.88E-10	8.43E-08	2.09E-10	8.45E-08	1.2E-08	7.53E-11	1.21E-08	5.79E-14	1.75E-13	1.01E-13	0	0	0	0	9.388E-12	8.4463E-08	1.21E-08	4.81486E-14	0	2.95785E-14	0
246	570870.6	4178199	0.55, 41781	0.55133	0.6879	245.75399	83.68372	34.28137	20.83884	2.31889E-10	1.82E-12	2.34E-10	1.03E-07	2.21E-10	1.04E-07	1.44E-08	9.06E-11	1.45E-08	7.21E-14	2.18E-13	1.26E-13	0	0	0	0	1.169E-11	1.0359E-07	1.45E-08	5.99314E-14	0	3.68169E-14	0
247	570910.6	4178199	0.55, 41781	0.74216	0.86472	353.61381	98.21675	44.20173	24.01316	3.12152E-10	2.29E-12	3.14E-10	1.49E-07	2.60E-10	1.49E-07	1.86E-08	1.17E-10	1.87E-08	9.7E-14	2.93E-13	1.7E-13	0	0	0	0	1.572E-11	1.4899E-07	1.87E-08	8.06338E-14	0	4.95346E-14	0
248	570950.6	4178199	0.55, 41781	1.08517	1.1274	376.11466	111.85514	52.74149	29.33795	4.56421E-10	2.98E-12	4.59E-10	1.58E-07	2.96E-10	1.58E-07	2.22E-08	1.39E-10	2.23E-08	1.42E-13	4.28E-13	2.48E-13	0	0	0	0	2.297E-11	1.5849E-07	2.23E-08	1.17808E-13	0	7.23714E-14	0
249	570990.6	4178199	0.55, 41781	1.58976	1.56693	410.19015	135.68135	68.60008	44.06737	6.68651E-10	4.14E-12	6.73E-10	1.73E-07	3.59E-10	1.73E-07	2.89E-08	1.81E-10	2.9E-08	2.08E-13	6.27E-13	3.63E-13	0	0	0	0	3.364E-11	1.7288E-07	2.9E-08	1.7253E-13	0	1.05988E-13	0
250	571030.6	4178199	0.55, 41781	2.42958	2.27373	561.74649	191.25505	107.05418	55.40677	1.02188E-09	6.01E-12	1.03E-09	2.36E-07	5.05E-10	2.37E-07	4.5E-08	2.83E-10	4.53E-08	3.17E-13	9.58E-13	5.54E-13	0	0	0	0	5.139E-11	2.3678E-07	4.53E-08	2.6359E-13	0	1.61928E-13	0
251	571070.6	4178199	0.55, 41781	3.58306	3.18041	721.18769	259.71405	139.44796	73.67892	1.50703E-09	8.41E-12	1.52E-09	3.03E-07	6.86E-10	3.04E-07	5.87E-08	3.69E-10	5.9E-08	4.68E-13	1.41E-12	8.17E-13	0	0	0	0	7.577E-11	3.0402E-07	5.9E-08	3.88616E-13	0	2.38733E-13	0
252	571110.6	4178199	0.55, 41781	5.26167	3.22788	536.30163	206.72583	116.57539	57.94295	2.21305E-09	8.53E-12	2.22E-09	2.26E-07	5.46E-10	2.26E-07	4.9E-08	3.08E-10	4.93E-08	6.86E-13	2.07E-12	1.2E-12	0	0	0	0	1.111E-10	2.2611E-07	4.93E-08	5.69699E-13	0	3.49976E-13	0
253	571150.6	4178199	0.55, 41781	4.55265	2.7214	406.82024	165.14744	75.27018	43.84452	1.91484E-09	7.19E-12	1.92E-09	1.71E-07	4.36E-10	1.72E-07	3.17E-08	1.99E-10	3.19E-08	5.93E-13	1.79E-12	1.04E-12	0	0	0	0	9.61E-11	1.7154E-07	3.19E-08	4.92883E-13	0	3.02786E-13	0
254	571190.6	4178199	0.55, 41781	3.6655	2.27193	348.88414	129.45816	55.11772	35.12171	1.54171E-09	6.00E-12	1.55E-09	1.47E-07	3.42E-10	1.47E-07	2.32E-08	1.46E-10	2.33E-08	4.78E-13	1.44E-12	8.35E-13	0	0	0	0	7.739E-11	1.4708E-07	2.33E-08	3.96892E-13	0	2.43817E-13	0

255	571230.6	4178199	0.55, 41781	2.99647	1.91661	311.11499	100.77545	44.29874	28.05958	1.26031E-09	5.07E-12	1.27E-09	1.31E-07	2.66E-10	1.31E-07	1.86E-08	1.17E-10	1.87E-08	3.9E-13	1.18E-12	6.83E-13	0	0	0	0	6.327E-11	1.3112E-07	1.87E-08	3.24491E-13	0	1.9934E-13	0
256	571270.6	4178199	0.55, 41781	2.48655	1.63354	275.28639	78.6156	36.03295	23.70769	1.04584E-09	4.32E-12	1.05E-09	1.16E-07	2.08E-10	1.16E-07	1.52E-08	9.52E-11	1.53E-08	3.24E-13	9.78E-13	5.66E-13	0	0	0	0	5.251E-11	1.1599E-07	1.53E-08	2.69301E-13	0	1.65436E-13	0
257	571310.6	4178199	0.55, 41781	2.04979	1.39182	251.65063	69.80646	31.45633	18.505	8.6214E-10	3.68E-12	8.66E-10	1.06E-07	1.85E-10	1.06E-07	1.32E-08	8.31E-11	1.33E-08	2.67E-13	8.07E-13	4.67E-13	0	0	0	0	4.329E-11	1.0603E-07	1.33E-08	2.22029E-13	0	1.36396E-13	0
258	571350.6	4178199	0.55, 41781	1.66907	1.18291	207.71058	67.17721	28.41822	15.5683	7.02009E-10	3.13E-12	7.05E-10	8.74E-08	1.78E-10	8.75E-08	1.2E-08	7.51E-11	1.2E-08	2.18E-13	6.57E-13	3.8E-13	0	0	0	0	3.526E-11	8.754E-08	1.2E-08	1.80824E-13	0	1.11083E-13	0
259	571390.6	4178199	0.55, 41781	1.33874	0.99933	175.53523	63.93291	26.80029	13.20173	5.63073E-10	2.64E-12	5.66E-10	7.38E-08	1.69E-10	7.4E-08	1.13E-08	7.08E-11	1.13E-08	1.75E-13	5.27E-13	3.05E-13	0	0	0	0	2.829E-11	7.3999E-08	1.13E-08	1.45071E-13	0	8.91193E-14	0
260	571430.6	4178199	0.55, 41781	1.08215	0.84466	146.49279	60.30749	24.41546	11.02968	4.55151E-10	2.23E-12	4.57E-10	6.16E-08	1.59E-10	6.18E-08	1.03E-08	6.45E-11	1.03E-08	1.41E-13	4.26E-13	2.47E-13	0	0	0	0	2.287E-11	6.1774E-08	1.03E-08	1.17291E-13	0	7.20536E-14	0
261	571470.6	4178199	0.55, 41781	0.88511	0.71494	129.54701	55.96987	21.59117	9.33698	3.72276E-10	1.89E-12	3.74E-10	5.45E-08	1.48E-10	5.46E-08	9.08E-09	5.71E-11	9.14E-09	1.15E-13	3.49E-13	2.02E-13	0	0	0	0	1.871E-11	5.4635E-08	9.14E-09	9.59505E-14	0	5.8944E-14	0
262	571510.6	4178199	0.55, 41781	0.73336	0.60746	112.64977	51.14316	18.77496	8.40942	3.0845E-10	1.61E-12	3.1E-10	4.74E-08	1.35E-10	4.75E-08	7.9E-09	4.96E-11	7.95E-09	9.57E-14	2.89E-13	1.67E-13	0	0	0	0	1.55E-11	4.7516E-08	7.95E-09	7.95102E-14	0	4.88444E-14	0
263	571550.6	4178199	0.55, 41781	0.6189	0.52125	97.68282	46.08498	16.28047	7.59304	2.60309E-10	1.38E-12	2.62E-10	4.11E-08	1.22E-10	4.12E-08	6.85E-09	4.30E-11	6.89E-09	8.08E-14	2.44E-13	1.41E-13	0	0	0	0	1.308E-11	4.1207E-08	6.89E-09	6.71064E-14	0	4.12246E-14	0
264	571590.6	4178199	0.55, 41781	0.52714	0.45016	84.87826	41.93857	14.14638	6.8553	2.21715E-10	1.19E-12	2.23E-10	3.57E-08	1.11E-10	3.58E-08	5.95E-09	3.74E-11	5.99E-09	6.88E-14	2.08E-13	1.2E-13	0	0	0	0	1.115E-11	3.5811E-08	5.99E-09	5.71612E-14	0	3.51151E-14	0
265	570310.6	4178239	0.55, 41782	0.10871	0.07725	69.36135	22.19632	9.49069	3.20395	4.57233E-11	2.04E-13	4.59E-11	2.92E-08	5.87E-11	2.92E-08	3.99E-09	2.51E-11	4.02E-09	1.42E-14	4.28E-14	2.48E-14	0	0	0	0	2.296E-12	2.9232E-08	4.02E-09	1.17776E-14	0	7.23515E-15	0
266	570350.6	4178239	0.55, 41782	0.12097	0.08699	80.24676	23.95533	10.03084	3.79637	5.08799E-11	2.30E-13	5.11E-11	3.38E-08	6.33E-11	3.38E-08	4.22E-09	2.65E-11	4.25E-09	1.58E-14	4.76E-14	2.76E-14	0	0	0	0	2.555E-12	3.3815E-08	4.25E-09	1.31065E-14	0	8.05154E-15	0
267	570390.6	4178239	0.55, 41782	0.13576	0.09875	97.68381	28.15369	12.21048	4.56788	5.71005E-11	2.61E-13	5.74E-11	4.11E-08	7.44E-11	4.12E-08	5.14E-09	3.23E-11	5.17E-09	1.77E-14	5.34E-14	3.09E-14	0	0	0	0	2.868E-12	4.116E-08	5.17E-09	1.47097E-14	0	9.0364E-15	0
268	570430.6	4178239	0.55, 41782	0.15369	0.11303	112.57412	32.01468	14.07177	5.30028	6.46419E-11	2.99E-13	6.49E-11	4.73E-08	8.46E-11	4.74E-08	5.92E-09	3.72E-11	5.96E-09	2E-14	6.05E-14	3.5E-14	0	0	0	0	3.247E-12	4.7433E-08	5.96E-09	1.66533E-14	0	1.02304E-14	0
269	570470.6	4178239	0.55, 41782	0.17542	0.1305	120.86213	35.6675	15.10777	5.94458	7.37815E-11	3.45E-13	7.41E-11	5.08E-08	9.43E-11	5.09E-08	6.35E-09	3.99E-11	6.39E-09	2.29E-14	6.91E-14	4E-14	0	0	0	0	3.706E-12	5.0929E-08	6.39E-09	1.90088E-14	0	1.16774E-14	0
270	570510.6	4178239	0.55, 41782	0.20166	0.15208	118.29832	38.86505	14.78729	6.47751	8.4818E-11	4.02E-13	8.52E-11	4.98E-08	1.03E-10	4.99E-08	6.22E-09	3.91E-11	6.26E-09	2.63E-14	7.94E-14	4.6E-14	0	0	0	0	4.261E-12	4.9859E-08	6.26E-09	2.18537E-14	0	1.34251E-14	0
271	570550.6	4178239	0.55, 41782	0.23297	0.17899	134.82021	41.51275	16.85253	6.91879	9.79869E-11	4.73E-13	9.85E-11	5.67E-08	1.10E-10	5.68E-08	7.09E-09	4.45E-11	7.13E-09	3.04E-14	9.17E-14	5.31E-14	0	0	0	0	4.923E-12	5.6815E-08	7.13E-09	2.52489E-14	0	1.55108E-14	0
272	570590.6	4178239	0.55, 41782	0.26933	0.21289	138.182	44.61865	17.27275	7.89914	1.1328E-10	5.63E-13	1.14E-10	5.81E-08	1.18E-10	5.82E-08	7.26E-09	4.57E-11	7.31E-09	3.51E-14	1.06E-13	6.14E-14	0	0	0	0	5.692E-12	5.8237E-08	7.31E-09	2.91936E-14	0	1.79341E-14	0
273	570630.6	4178239	0.55, 41782	0.31001	0.25571	151.57706	47.88426	18.94713	9.37801	1.3039E-10	6.76E-13	1.31E-10	6.38E-08	1.27E-10	6.39E-08	7.97E-09	5.01E-11	8.02E-09	4.04E-14	1.22E-13	7.07E-14	0	0	0	0	6.553E-12	6.388E-08	8.02E-09	3.36103E-14	0	2.06473E-14	0
274	570670.6	4178239	0.55, 41782	0.35129	0.30919	163.01094	51.1286	20.37637	10.66356	1.47752E-10	8.17E-13	1.49E-10	6.86E-08	1.35E-10	6.87E-08	8.57E-09	5.39E-11	8.62E-09	4.58E-14	1.38E-13	8.01E-14	0	0	0	0	7.428E-12	6.8697E-08	8.62E-09	3.80989E-14	0	2.34048E-14	0
275	570710.6	4178239	0.55, 41782	0.3879	0.37553	161.77129	55.27243	21.46966	11.91574	1.6315E-10	9.93E-13	1.64E-10	6.8E-08	1.46E-10	6.82E-08	9.03E-09	5.67E-11	9.09E-09	5.07E-14	1.53E-13	8.85E-14	0	0	0	0	8.207E-12	6.8187E-08	9.09E-09	4.20925E-14	0	2.58581E-14	0
276	570750.6	4178239	0.55, 41782	0.41955	0.45853	185.09687	61.2613	24.33831	15.0229	1.76462E-10	1.21E-12	1.78E-10	7.79E-08	1.62E-10	7.8E-08	1.02E-08	6.43E-11	1.03E-08	5.48E-14	1.66E-13	9.58E-14	0	0	0	0	8.884E-12	7.8013E-08	1.03E-08	4.55625E-14	0	2.79898E-14	0
277	570790.6	4178239	0.55, 41782	0.45531	0.56517	195.76674	71.16962	30.0466	17.67317	1.91503E-10	1.49E-12	1.93E-10	8.23E-08	1.88E-10	8.25E-08	1.26E-08	7.94E-11	1.27E-08	5.96E-14	1.8E-13	1.04E-13	0	0	0	0	9.65E-12	8.2527E-08	1.27E-08	4.94918E-14	0	3.04036E-14	0
278	570830.6	4178239	0.55, 41782	0.51729	0.70869	186.14136	86.93814	30.32646	20.0795	2.17572E-10	1.87E-12	2.19E-10	7.83E-08	2.30E-10	7.85E-08	1.28E-08	8.02E-11	1.28E-08	6.77E-14	2.04E-13	1.18E-13	0	0	0	0	1.097E-11	7.8521E-08	1.28E-08	5.6274E-14	0	3.45701E-14	0
279	570870.6	4178239	0.55, 41782	0.63421	0.91745	225.98347	96.3139	37.66391	24.81387	2.66748E-10	2.42E-12	2.69E-10	9.5E-08	2.55E-10	9.53E-08	1.58E-08	9.95E-11	1.59E-08	8.31E-14	2.51E-13	1.45E-13	0	0	0	0	1.346E-11	9.5303E-08	1.59E-08	6.90263E-14	0	4.2404E-14	0
280	570910.6	4178239	0.55, 41782	0.85302	1.23442	293.13359	117.47886	47.06613	30.6738	3.58779E-10	3.26E-12	3.62E-10	1.23E-07	3.10E-10	1.24E-07	1.98E-08	1.24E-10	1.99E-08	1.12E-13	3.37E-13	1.95E-13	0	0	0	0	1.81E-11	1.236E-07	1.99E-08	9.28414E-14	0	5.7034E-14	0
281	570950.6	4178239	0.55, 41782	1.35023	1.79208	455.80102	142.22416	68.40553	39.86266	5.67905E-10	4.74E-12	5.73E-10	1.92E-07	3.76E-10	1.92E-07	2.88E-08	1.81E-10	2.9E-08	1.77E-13	5.34E-13	3.09E-13	0	0	0	0	2.863E-11	1.9209E-07	2.9E-08	1.46847E-13	0	9.02107E-14	0
282	570990.6	4178239	0.55, 41782	3.0182	3.06414	885.93977	193.04223	147.1874	58.20401	1.26945E-09	8.10E-12	1.28E-09	3.73E-07	5.10E-10	3.73E-07	6.19E-08	3.89E-10	6.23E-08	3.94E-13	1.19E-12	6.89E-13	0	0	0	0	6.388E-11	3.7314E-07	6.23E-08	3.27613E-13	0	2.01258E-13	0
283	571030.6	4178239	0.55, 41782	7.70332	4.46365	679.65913	243.63294	144.28562	71.78775	3.24001E-09	1.18E-11	3.25E-09	2.86E-07	6.44E-10	2.87E-07	6.07E-08	3.81E-10	6.11E-08	1E-12	3.03E-12	1.75E-12	0	0	0	0	1.626E-10	2.8651E-07	6.11E-08	8.33888E-13	0	5.12271E-13	0
284	571110.6	4178239	0.55, 41782	48.37684	13.76668	1082.14109	288.2044	441.33003	115.9324	2.03472E-08	3.64E-11	2.04E-08	4.55E-07	7.62E-10	4.56E-07	1.86E-07	1.17E-09	1.87E-07	6.29E-12	1.9E-11	1.1E-11	0	0	0	0	1.019E-09	4.5591E-07	1.87E-07	5.22715E-12	0	3.21112E-12	0
285	571150.6	4178239	0.55, 41782	14.38318	6.22649	550.93904	192.81003	147.46183	59.89562	6.04955E-09	1.65E-11	6.07E-09	2.32E-07	5.10E-10	2.32E-07	6.2E-08	3.90E-10	6.24E-08	1.87E-12	5.65E-12	3.27E-12	0	0	0	0	3.033E-10	2.3223E-07	6.24E-08	1.55556E-12	0	9.55604E-13	0
286	571190.6	4178239	0.55, 41782	8.08563	4.10425	423.01159	138.20819	88.76631	43.45879	3.40081E-09	1.08E-11	3.41E-09	1.78E-07	3.65E-10	1.78E-07	3.73E-08	2.35E-10	3.76E-08	1.05E-12	3.18E-12	1.84E-12	0	0	0	0	1.706E-10	1.7828E-07	3.76E-08	8.74879E-13	0	5.37453E-13	0
287	571230.6	4178239	0.55, 41782	5.48613	3.01374	364.79857	99.98669	64.1708	32.88659	2.30746E-09	7.97E-12	2.32E-09	1.53E-07	2.64E-10	1.54E-07	2.7E-08	1.70E-10	2.72E-08	7.14E-13	2.16E-12	1.25E-12	0	0	0	0	1.158E-10	1.537E-07	2.72E-08	5.93764E-13	0	3.64759E-13	0
288	571270.6	4178239	0.55, 41782	3.91656	2.30583	308.69657	91.16262	42.97299	25.31404	1.6473E-09	6.09E-12	1.65E-09	1.3E-07	2.41E-10	1.3E-07	1.81E-08	1.14E-10	1.82E-08	5.1E-13	1.54E-12	8.92E-13	0	0	0	0	8.267E-11	1.3008E-07	1.82E-08	4.23994E-13	0	2.60466E-13	0
289	571310.6	4178239	0.55, 41782	2.81911	1.80691	238.76095	82.99282	36.57222	19.65898	1.18571E-09	4.78E-12	1.19E-09	1E-07	2.19E-10	1.01E-07	1.54E-08	9.67E-11	1.55E-08	3.67E-13	1.11E-12	6.42E-13	0	0	0	0	5.952E-11	1.0064E-07	1.55E-08	3.05287E-13	0	1.87543E-13	0
290	571350.6	4178239	0.55, 41782	2.07392	1.43877	186.98174	75.01218	31.16362	15.62493	8.72289E-10	3.80E-12	8.76E-10	7.86E-08	1.98E-10	7.88E-08	1.31E-08	8.24E-11	1.32E-08	2.7E-13	8.16E-13	4.73E-13	0	0	0	0	4.38E-11	7.8843E-08	1.32E-08	2.24663E-13	0	1.38014E-13	0
291	571390.6	4178239	0.55, 41782	1.57003	1.1589	153.36435	67.14235	25.56072	13.28221	6.60353E-10	3.06E-12	6.63E-10	6.45E-08	1.77E-10	6.47E-08	1.08E-08	6.76E-11	1.08E-08	2.05E-13	6.18E-13	3.58E-13	0	0	0	0	3.317E-11	6.4682E-08	1.08E-08	1.70125E-13	0	1.04511E-13	0
292	571430.6	4178239	0.55, 41782	1.23548	0.94866	124.99719	59.46648	20.83286	11.6734	5.19642E-10	2.51E-12	5.22E-10	5.26E-08	1.57E-10	5.27E-08	8.76E-09	5.51E-11	8.82E-09	1.61E-13	4.86E-13	2.82E-13	0	0	0	0	2.611E-11	5.2731E-08	8.82E-09	1.33899E-13	0	8.22563E-14	0
293	571470.6	4178239	0.55, 41782	0.99131	0.7845	109.3041	54.21436	17.2339	10.26711	4.16944E-10	2.07E-12	4.19E-10	4.6E-08	1.43E-10	4.61E-08	7.25E-09	4.55E-11	7.29E-09	1.29E-13	3.9E-13	2.26E-13	0	0	0	0	2.095E-11	4.6116E-08	7.29E-09	1.07452E-13	0	6.60096E-14	0
294	571510.6	4178239	0.55, 41782	0.81688	0.65976	100.30585	50.40167	14.55844	9.03737	3.43579E-10	1.74E-12	3.45E-10	4.22E-08	1.33E-10	4.23E-08	6.12E-09	3.85E-11	6.16E-09	1.07E-13	3.22E-13	1.86E-13	0	0	0	0	1.727E-11	4.2322E-08	6.16E-09	8.8554E-14	0	5.44001E-14	0
295	571550.6	4178239	0.55, 41782	0.68618	0.56281	92.19218	46.80105	12.52836	7.96128	2.88607E-10	1.49E-12	2.9E-10	3.88E-08	1.24E-10	3.89E-08	5.27E-09	3.31E-11	5.3E-09	8.95E-14	2.7E-13	1.56E-13	0	0	0	0	1.45E-11	3.89E-08	5.3E-09	7.43913E-14	0	4.56998E-14	0
296	571590.6	4178239	0.55, 41782	0.57854	0.48285	84.94405	43.3686	10.89629	7.01254	2.43333E-10	1.28E-12	2.45E-10	3.57E-08	1.15E-10	3.58E-08	4.58E-09	2.88E-11	4.61E-09	7.55E-14	2.28E-13	1.32E-13	0	0	0	0	1.223E-11	3.5842E-08	4.61E-09	6.27273E-14	0	3.85344E-14	0
297	570310.6	4178279	0.55, 41782	0.11004	0.07807	74.04292	22.79319	10.17864	3.64675	4.62827E-11	2.06E-13	4.65E-11	3.11E-08	6.02E-11	3.12E-08	4.28E-09	2.69E-11	4.31E-09	1.43E-14	4.33E-14	2.51E-14	0	0	0	0	2.324E-12	3.1203E-08	4.31E-09	1.19216E-14	0	7.32362E-15	0
298	570350.6	4178279	0.55, 41782	0.12249	0.08802	80.9847	23.74961	11.08549	3.81596	5.15192E-11	2.33E-13	5.18E-11	3.41E-08	6.28E-11	3.41E-08	4.66E-09	2.93E-11	4.69E-09	1.6E-14	4.82E-14	2.79E-14	0	0	0	0	2.588E-12	3.4125E-08	4.69E-09	1.32711E-14	0	8.15268E-15	0
299	570390.6	4178279	0.55, 41782	0.13757	0.10016	86.03589	24.80698	11.74551	4.00404	5.78618E-11	2.65E-13	5.81E-11	3.62E-08	6.56E-11	3.63E-08	4.94E-09	3.10E-11	4.97E-09	1.79E-14	5.42E-14	3.14E-14	0	0	0	0	2.906E-12	3.6252E-08	4.97E-09	1.49059E-14	0	9.15692E-15	0
300	570430.6	4178279	0.55, 41782	0.15607	0.11514	96.31741	27.84204	12.03968	4.46456	6.56429E-11	3.04E-13	6.59E-11	4.05E-08	7.36E-11	4.06E-08	5.06E-09	3.18E-11	5.1E-09	2.04E-14	6.14E-14	3.56E-14	0	0	0	0	3.297E-12	4.0585E-08	5.1E-09	1.69114E-14	0	1.03889E-14	0
301	570470.6	4178279	0.55, 41782	0.17907	0.13378	120.52086	33.01708	15.06511	5.41696	7.53167E-11	3.54E-13	7.57E-11	5.07E-08	8.73E-11	5.08E-08	6.34E-09	3.98E-11	6.38E-09	2.34E-14	7.05E-14	4.08E-14	0	0	0	0	3.784E-12	5.0778E-08	6.38E-09	1.94048E-14	0	1.19207E-14	0
302	570510.6	4178279	0.55, 41782	0.20795	0.15724	141.57577	37.85068	17.69697	6.30845	8.74636E-11	4.16E-13	8.79E-11	5.95E-08	1.00E-10	5.96E-08	7.44E-09	4.68E-11	7.49E-09	2.71E-14	8.19E-14	4.74E-14	0	0	0	0	4.394E-12	5.9647E-08	7.49E-09	2.25356E-14	0	1.3844E-14	0
303	570550.6	4178279	0.55, 41782	0.24435	0.18714	153.17347	42.50173	19.14668	7.08362	1.02773E-10	4.95E-13	1.03E-10	6.44E-08	1.12E-10	6.45E-08	8.05E-09	5.06E-11	8.1E-09	3.19E-14	9.62E-14	5.57E-14	0	0	0	0	5.163E-12	6.4537E-08	8.1E-09	2.64819E-14	0	1.62682E-14	0
304	570590.6	4178279	0.55, 41782	0.28993	0.22577	157.86485	46.41285	19.73311	7.73548	1.21944E-10	5.97E-13	1.23E-10	6.64E-08	1.23E-10	6.65E-08	8.3E-09	5.22E-11	8.35E-09	3.78E-14	1.14E-13	6.61E-14	0	0	0	0	6.127E-12	6.652E-08	8.35E-09	3.14242E-14	0	1.93044E-14	0
305	570630.6	4178279	0.55, 41782	0.34541	0.27631	169.89337	50.77009	21.23667	9.57894	1.45279E-10	7.30E-13	1.46E-10	7.15E-08	1.34E-10	7.16E-08	8.93E-09	5.61E-11	8.99E-09	4.51E-14	1.36E-13	7.88E-14	0	0	0	0	7.3E-12	7.1591E-08	8.99E-09	3.74424E-14	0	2.30015E-14	0
306	570670.6	4178279	0.55, 41782	0.40869	0.34273	189.16159	55.36754	23.6452	11.64813	1.71895E-10	9.06E-13	1.73E-10	7.96E-08	1.46E-10	7.97E-08	9.95E-09	6.25E-11	1E-08	5.33E-14	1.61E-13	9.32E-14	0	0	0	0	8.64E-12	7.9708E-08	1E-08	4.43127E-14	0	2.7222E-14	0
307	570710.6	4178279	0.55, 41782	0.47241	0.42944	202.37611	59.97812	25.29701	13.4468	1.98695E-10	1.14E-12	2E-10	8.51E-08	1.59E-10	8.53E-08	1.06E-08	6.69E-11	1.07E-08	6.17E-14	1.86E-13	1.08E-13	0	0	0	0	9.992E-12	8.5278E-08	1.07E-08	5.12441E-14	0	3.14801E-14	0
308	570750.6	4178279	0.55, 41782	0.52143	0.53099	207.36077	66.44988	28.38204	16.35494	2.19313E-10	1.40E-12	2.21E-10	8.72E-08	1.76E-10	8.74E-08	1.19E-08	7.50E-11	1.2E-08	6.81E-14	2.06E-13	1.19E-13	0	0	0	0	1.104E-11	8.7391E-08	1.2E-08	5.66001E-14	0	3.47704E-14	0
309	570790.6	4178279	0.55, 41782	0.56782	0.69623	217.33897	75.80804	33.24185	20.36018	2.38825E-10	1.84E-12	2.41E-10	9.14E-08	2.00E-10	9.16E-08	1.4E-08	8.79E-11	1.41E-08	7.43E-14	2.24E-13	1.3E-13	0	0	0	0	1.203E-11	9.1613E-08	1.41E-08	6.17157E-14	0	3.79129E-14	0
310	570830.6	4178279	0.55, 41782	0.62461	0.91706	236.67869	94.57659	34.09074	24.90976	2.6271E-10	2.42E-12	2.65E-10	9.95E-08	2.50E-10	9.98E-08	1.43E-08	9.01E-11	1.44E-08	8.18E-14	2.47E-13	1.43E-13	0	0	0	0	1.326E-11	9.9797E-08	1.44E-08	6.79906E-14	0	4.17677E-14	0
311	570870.6	4178279	0.55, 41782	0.74364	1.27032	232.57719	121.10786	38.76287	29.17824	3.12774E-10	3.36E-12	3.16E-10	9.78E-08	3.20E-10	9.81E-08	1.63E-08	1.02E-10	1.64E-08	9.76E-14	2.95E-13	1.71E-13	0	0	0	0	1.581E-11	9.8142E-08	1.64E-08	8.10683E-14	0	4.98016E-14	0
312	570910.6	4178279	0.55, 41782	0.98087	1.94043	289.58181	139.00222	48.26363	45.30681	4.12553E-10	5.13E-12	4.18E-10	1.22E-07	3.67E-10	1.22E-07	2.03E-08	1.28E-10	2.04E-08	1.29E-13	3.89E-13	2.25E-13	0	0	0	0	2.088E-11	1.2217E-07	2.04E-08	1.0711E-13	0	6.57991E-14	0
313	570950.6	4178279	0.55, 41782	1.54705	3.33468	380.89662	209.14004	63.48277	60.99964	6.50688E-10	8.81E-12	6.6E-10	1.6E-07	5.53E-10	1.61E-07	2.67E-08	1.68E-10	2.69E-08	2.04E-13	6.14E-13	3.56E-13	0	0	0	0	3.298E-11	1.6076E-07	2.69E-08	1.69121E-13	0	1.03894E-13	0
314	571150.6	4178279	0.55, 41782	125.5821	15.27099	2183.625	235.47088	1020.3296	115.3363	5.28197E-08	4.04E-11	5.29E-08	9.18E-07	6.22E-10	9.19E-07	4.29E-07	2.70E-09	4.32E-07	1.63E-11	4.93E-11	2.85E-11	0	0	0	0	2.643E-09	9.1905E-07	4.32E-07	1.35553E-11	0	8.32727E-12	0
315	571190.6	4178279	0.55, 41782	19.14498	7.50998	704.1647	157.76938	186.41477	61.8786	8.05236E-09	1.98E-11	8.07E-09	2.96E-07	4.17E-10	2.97E-07	7.84E-08	4.93E-10	7.89E-08	2.49E-12	7.52E-12	4.35E-12	0	0	0	0	4.036E-10	2.9659E-07	7.89E-08	2.07002E-12	0	1.27165E-12	0
316	571230.6	4178279	0.55, 41782	9.41744	4.44398	418.2482	120.63814	87.01567	39.51148	3.96097E-09	1.17E-11	3.97E-09	1.76E-07	3.19E-10	1.76E-07	3.66E-08	2.30E-10	3.68E-08	1.23E-12	3.7E-12	2.14E-12	0	0	0	0	1.986E-10	1.7623E-07	3.68E-08	1.01876E-12	0	6.25838E-13	0
317	571270.6	4178279	0.55, 41782	5.33507	3.02277	265.61255	99.06709	58.88721	29.56115	2.24392E-09	7.99E-12	2.25E-09	1.12E-07	2.62E-10	1.12E-07	2.48E-08	1.56E-10	2.49E-08	6.95E-13	2.1E-12	1.21E-12	0	0	0	0	1.126E-10	1.1198E-07	2.49E-08	5.77477E-13	0	3.54754E-13	0
318	571310.6	4178279	0.55, 41782	3.44949	2.20529	197.38222	83.78037	42.40574	23.44903	1.45085E-09	5.83E-12	1.46E-09	8.3E-08	2.21E-10	8.32E-08	1.78E-08	1.12E-10	1.79E-08	4.5E-13	1.36E-12	7.86E-13	0	0	0	0	7.283E-11	8.324E-08	1.79E-08	3.73549E-13	0	2.29477E-13	0
319	571350.6	4178279	0.55, 41782	2.42474	1.67304	164.77993	74.08708	31.82391	19.20475	1.01984E-09	4.42E-12	1.02E-09	6.93E-08	1.96E-10	6.95E-08	1.34E-08	8.41E-11	1.35E-08	3.16E-13	9.54E-13	5.52E-13	0	0	0	0	5.121E-11	6.9502E-08	1.35E-08	2.62661E-13	0	1.61357E-13	0
320	571390.6	4178279	0.55, 41782	1.80332	1.30805	139.62437	66.18564	24.75802	16.07748	7.58475E-10	3.46E-12	7.62E-10	5.87E-08	1.75E-10	5.89E-08	1.04E-08	6.54E-11	1.05E-08	2.35E-13	7.1E-13	4.11E-13	0	0	0	0	3.81E-11	5.8901E-08	1.05E-08	1.95389E-13	0	1.2003E-13	0
321	571430.6	4178279	0.55, 41782	1.38872	1.04688	120.07885	59.47148	19.78612	13.66223	5.84094E-10	2.77E-12	5.87E-10	5.05E-08	1.57E-10	5.07E-08	8.32E-09	5.23E-11	8.37E-09	1.81E-13	5.47E-13	3.17E-13	0	0	0	0	2.934E-11	5.0662E-08	8.37E-09	1.50494E-13	0	9.24507E-14	0
322	571470.6	4178279	0.55, 41782	1.11171	0.86066	104.95004	53.66694	16.34545	11.81303	4.67584E-10	2.27E-12	4.7E-10	4.41E-08	1.42E-10	4.43E-08	6.87E-09	4.32E-11	6.92E-09	1.45E-13	4.38E-13	2.53E-13	0	0	0	0	2.349E-11	4.4284E-08	6.92E-09	1.2049E-13	0	7.40189E-14	0
323	571510.6	4178279	0.55, 41782	0.90331	0.71725	92.95227	48.50847	13.70064	10.27697	3.79931E-10	1.90E-12	3.82E-10	3.91E-08	1.28E-10	3.92E-08	5.76E-09	3.62E-11	5.8E-09	1.18E-13	3.56E-13	2.06E-13	0	0	0	0	1.909E-11	3.9224E-08	5.8E-09	9.79151E-14	0	6.01508E-14	0
324	571550.6	4178279	0.55, 41782	0.74685	0.60641	83.35854	43.88956	11.6678	9.00306	3.14124E-10	1.60E-12	3.16E-10	3.51E-08	1.16E-10	3.52E-08	4.91E-09	3.08E-11	4.94E-09	9.74E-14	2.94E-13	1.7E-13	0	0	0	0	1.579E-11	3.5177E-08	4.94E-09	8.09645E-14	0	4.97378E-14	0
325	571590.6	4178279	0.55, 41782	0.63093	0.52161	75.57295	41.1264	10.11638	7.96472	2.65369E-10	1.38E-12	2.67E-10	3.18E-08	1.09E-10	3.19E-08	4.25E-09	2.67E-11	4.28E-09	8.23E-14	2.49E-13	1.44E-13	0	0	0	0	1.334E-11	3.1895E-08	4.28E-09	6.84042E-14	0	4.20218E-14	0
326	570310.6	4178319	0.55, 41783	0.1112	0.07908	65.67409	25.12162	10.72274	3.92383	4.67706E-11	2.09E-13	4.7E-11	2.76E-08	6.64E-11	2.77E-08	4.51E-09	2.83E-11	4.54E-09	1.45E-14	4.38E-14	2.53E-14	0	0	0	0	2.349E-12	2.7689E-08	4.54E-09	1.20474E-14	0	7.4009E-15	0
327	570350.6	4178319	0.55, 41783	0.12381	0.08915	72.99363	26.3644	10.96785	4.13077	5.20744E-11	2.36E-13	5.23E-11	3.07E-08	6.97E-11	3.08E-08	4.61E-09	2.90E-11	4.64E-09	1.61E-14	4.87E-14	2.82E-14	0	0	0	0	2.615E-12	3.0771E-08	4.64E-09	1.34143E-14	0	8.24061E-15	0
328	570390.6	4178319	0.55, 41783	0.13907	0.1015	85.61577	27.73961	11.84211	4.3586	5.84927E-11	2.68E-13	5.88E-11	3.6E-08	7.33E-11	3.61E-08	4.98E-09	3.13E-11	5.01E-09	1.81E-14	5.47E-14	3.17E-14	0	0	0	0	2.938E-12	3.6083E-08	5.01E-09	1.50686E-14	0	9.25686E-15	0
329	570430.6	4178319	0.55, 41783	0.15783	0.11689	97.99246	29.27563	13.47747	4.61214	6.63831E-11	3.09E-13	6.67E-11	4.12E-08	7.74E-11	4.13E-08	5.67E-09	3.56E-11	5.7E-09	2.06E-14	6.21E-14	3.6E-14	0	0	0	0	3.335E-12	4.1293E-08	5.7E-09	1.71024E-14	0	1.05063E-14	0
330	570470.6	4178319	0.55, 41783	0.18134	0.13633	108.90086	31.01454	14.92794	4.89871	7.62714E-11	3.60E-13	7.66E-11	4.58E-08	8.20E-11	4.59E-08	6.28E-09	3.95E-11	6.32E-09	2.36E-14	7.14E-14	4.13E-14	0	0	0	0	3.832E-12	4.5886E-08	6.32E-09	1.96513E-14	0	1.20721E-14	0
331	570510.6	4178319	0.55, 41783	0.21129	0.16124	118.40452	33.29424	15.9306	5.40834	8.88684E-11	4.26E-13	8.93E-11	4.98E-08	8.80E-11	4.99E-08	6.7E-09	4.21E-11	6.74E-09	2.76E-14	8.32E-14	4.82E-14	0	0	0	0	4.465E-12	4.9889E-08	6.74E-09	2.28985E-14	0	1.40669E-14	0
332	570550.6	4178319	0.55, 41783	0.2503	0.19368	153.9338	39.94632	19.24172	6.62991	1.05276E-10	5.12E-13	1.06E-10	6.47E-08	1.06E-10	6.48E-08	8.09E-09	5.09E-11	8.14E-09	3.26E-14	9.86E-14	5.71E-14	0	0	0	0	5.289E-12	6.485E-08	8.14E-09	2.71281E-14	0	1.66652E-14	0
333	570590.6	4178319	0.55, 41783	0.30196	0.23671	186.54438	46.61587	23.31805	7.76931	1.27004E-10	6.26E-13	1.28E-10	7.85E-08	1.23E-10	7.86E-08	9.81E-09	6.16E-11	9.87E-09	3.94E-14	1.19E-13	6.88E-14	0	0	0	0	6.381E-12	7.8584E-08	9.87E-09	3.27291E-14	0	2.0106E-14	0
334	570630.6	4178319	0.55, 41783	0.37105	0.29503	205.0145	52.79857	25.62681	8.79976	1.56063E-10	7.80E-13	1.57E-10	8.62E-08	1.40E-10	8.64E-08	1.08E-08	6.77E-11	1.08E-08	4.84E-14	1.46E-13	8.46E-14	0	0	0	0	7.842E-12	8.6368E-08	1.08E-08	4.02206E-14	0	2.47081E-14	0
335	570670.6	4178319	0.55, 41783	0.462	0.37572	218.45656	59.57781	27.30707	11.98561	1.94317E-10	9.93E-13	1.95E-10	9.19E-08	1.57E-10	9.2E-08	1.15E-08	7.22E-11	1.16E-08	6.03E-14	1.82E-13	1.05E-13	0	0	0	0	9.765E-12	9.204E-08	1.16E-08	5.00849E-14	0	3.0768E-14	0
336	570710.6	4178319	0.55, 41783	0.57218	0.48827	242.44958	66.62286	30.3062	15.15553	2.40658E-10	1.29E-12	2.42E-10	1.02E-07	1.76E-10	1.02E-07	1.27E-08	8.01E-11	1.28E-08	7.47E-14	2.25E-13	1.31E-13	0	0	0	0	1.21E-11	1.0215E-07	1.28E-08	6.2045E-14	0	3.81152E-14	0
337	570750.6	4178319	0.55, 41783	0.67767	0.63416	262.41203	72.71034	32.8015	17.84948	2.85027E-10	1.68E-12	2.87E-10	1.1E-07	1.92E-10	1.11E-07	1.38E-08	8.67E-11	1.39E-08	8.85E-14	2.67E-13	1.55E-13	0	0	0	0	1.434E-11	1.1056E-07	1.39E-08	7.35218E-14	0	4.51656E-14	0
338	570790.6	4178319	0.55, 41783	0.76041	0.85502	285.66779	86.45349	42.9347	23.67926	3.19828E-10	2.26E-12	3.22E-10	1.2E-07	2.28E-10	1.2E-07	1.81E-08	1.13E-10	1.82E-08	9.94E-14	3E-13	1.74E-13	0	0	0	0	1.61E-11	1.2038E-07	1.82E-08	8.25956E-14	0	5.07398E-14	0
339	570830.6	4178319	0.55, 41783	0.82107	1.23378	302.59427	109.05103	45.07728	29.79255	3.45341E-10	3.26E-12	3.49E-10	1.27E-07	2.88E-10	1.28E-07	1.9E-08	1.19E-10	1.91E-08	1.08E-13	3.25E-13	1.88E-13	0	0	0	0	1.743E-11	1.2756E-07	1.91E-08	8.9395E-14	0	5.49168E-14	0
340	570870.6	4178319	0.55, 41783	0.93174	1.8881	263.71888	150.69846	37.23183	42.82711	3.91889E-10	4.99E-12	3.97E-10	1.11E-07	3.98E-10	1.11E-07	1.57E-08	9.84E-11	1.58E-08	1.22E-13	3.7E-13	2.14E-13	0	0	0	0	1.984E-11	1.1132E-07	1.58E-08	1.01775E-13	0	6.25221E-14	0
341	570910.6	4178319	0.55, 41783	1.19482	3.5981	225.26352	195.84246	37.31993	59.22953	5.0254E-10	9.51E-12	5.12E-10	9.47E-08	5.18E-10	9.53E-08	1.57E-08	9.86E-11	1.58E-08	1.58E-13	4.77E-13	2.76E-13	0	0	0	0	2.56E-11	9.5263E-08	1.58E-08	1.31309E-13	0	8.06654E-14	0
342	571190.6	4178319	0.55, 41783	29.13102	9.74239	1204.46355	192.40018	337.10397	86.14095	1.22525E-08	2.57E-11	1.23E-08	5.07E-07	5.09E-10	5.07E-07	1.42E-07	8.91E-10	1.43E-07	3.79E-12	1.14E-11	6.62E-12	0	0	0	0	6.139E-10	5.071E-07	1.43E-07	3.14861E-12	0	1.93424E-12	0
343	571230.6	4178319	0.55, 41783	10.45163	5.25398	479.33008	117.37647	126.19986	44.06446	4.39594E-09	1.39E-11	4.41E-09	2.02E-07	3.10E-10	2.02E-07	5.31E-08	3.34E-10	5.34E-08	1.36E-12	4.11E-12	2.38E-12	0	0	0	0	2.205E-10	2.0192E-07	5.34E-08	1.13085E-12	0	6.94699E-13	0
344	571270.6	4178319	0.55, 41783	5.72808	3.4301	292.22118	96.9874	63.79547	33.00222	2.40922E-09	9.07E-12	2.42E-09	1.23E-07	2.56E-10	1.23E-07	2.68E-08	1.69E-10	2.7E-08	7.46E-13	2.25E-12	1.3E-12	0	0	0	0	1.209E-10	1.2316E-07	2.7E-08	6.20142E-13	0	3.80964E-13	0
345	571310.6	4178319	0.55, 41783	3.67711	2.43151	175.48484	83.52768	43.52526	25.92364	1.54659E-09	6.43E-12	1.55E-09	7.38E-08	2.21E-10	7.4E-08	1.83E-08	1.15E-10	1.84E-08	4.79E-13	1.45E-12	8.38E-13	0	0	0	0	7.765E-11	7.403E-08	1.84E-08	3.98253E-13	0	2.44653E-13	0
346	571350.6	4178319	0.55, 41783	2.57847	1.81872	135.74456	73.58424	31.86463	21.08438	1.0845E-09	4.81E-12	1.09E-09	5.71E-08	1.94E-10	5.73E-08	1.34E-08	8.42E-11	1.35E-08	3.36E-13	1.01E-12	5.88E-13	0	0	0	0	5.447E-11	5.7289E-08	1.35E-08	2.79341E-13	0	1.71603E-13	0
347	571390.6	4178319	0.55, 41783	1.91038	1.41202	114.67965	65.84745	24.95277	17.54375	8.03504E-10	3.73E-12	8.07E-10	4.82E-08	1.74E-10	4.84E-08	1.05E-08	6.60E-11	1.06E-08	2.49E-13	7.52E-13	4.35E-13	0	0	0	0	4.036E-11	4.8408E-08	1.06E-08	2.07006E-13	0	1.27167E-13	0
348	571430.6	4178319	0.55, 41783	1.47151	1.12853	100.57811	59.61061	20.18585	14.84739	6.18916E-10	2.98E-12	6.22E-10	4.23E-08	1.58E-10	4.25E-08	8.49E-09	5.34E-11	8.54E-09	1.92E-13	5.79E-13	3.35E-13	0	0	0	0	3.109E-11	4.2461E-08	8.54E-09	1.59479E-13	0	9.79703E-14	0
349	571470.6	4178319	0.55, 41783	1.16585	0.92218	90.09229	54.43044	16.69193	12.71837	4.90355E-10	2.44E-12	4.93E-10	3.79E-08	1.44E-10	3.8E-08	7.02E-09	4.41E-11	7.06E-09	1.52E-13	4.59E-13	2.66E-13	0	0	0	0	2.464E-11	3.8037E-08	7.06E-09	1.26371E-13	0	7.76317E-14	0
350	571510.6	4178319	0.55, 41783	0.94595	0.76805	81.52103	50.05282	14.06823	11.00608	3.97866E-10	2.03E-12	4E-10	3.43E-08	1.32E-10	3.44E-08	5.92E-09	3.72E-11	5.95E-09	1.23E-13	3.73E-13	2.16E-13	0	0	0	0	1.999E-11	3.442E-08	5.95E-09	1.02549E-13	0	6.29972E-14	0
351	571550.6	4178319	0.55, 41783	0.78212	0.64956	74.38547	46.28731	12.02264	9.59923	3.28959E-10	1.72E-12	3.31E-10	3.13E-08	1.22E-10	3.14E-08	5.06E-09	3.18E-11	5.09E-09	1.02E-13	3.08E-13	1.78E-13	0	0	0	0	1.653E-11	3.1409E-08	5.09E-09	8.47979E-14	0	5.20927E-14	0
352	571590.6	4178319	0.55, 41783	0.65442	0.55508	68.29245	42.98116	10.3334	8.40789	2.75248E-10	1.47E-12	2.77E-10	2.87E-08	1.14E-10	2.88E-08	4.35E-09	2.73E-11	4.37E-09	8.54E-14	2.58E-13	1.49E-13	0	0	0	0	1.384E-11	2.8837E-08	4.37E-09	7.09605E-14	0	4.35922E-14	0
353	570310.6	4178359	0.55, 41783	0.11229	0.07993	69.29068	26.58817	11.54845	4.0095	4.72291E-11	2.11E-13	4.74E-11	2.91E-08	7.03E-11	2.92E-08	4.86E-09	3.05E-11	4.89E-09	1.46E-14	4.42E-14	2.56E-14	0	0	0	0	2.372E-12	2.9214E-08	4.89E-09	1.21655E-14	0	7.47347E-15	0
354	570350.6	4178359	0.55, 41783	0.12531	0.09043	75.30937	28.06345	12.55156	4.25756	5.27053E-11	2.39E-13	5.29E-11	3.17E-08	7.42E-11	3.17E-08	5.28E-09	3.32E-11	5.31E-09	1.63E-14	4.93E-14	2.86E-14	0	0	0	0	2.647E-12	3.1749E-08	5.31E-09	1.35769E-14	0	8.34054E-15	0
355	570390.6	4178359	0.55, 41783	0.14084	0.10296	81.29058	29.71471	13.54843	4.53386	5.92372E-11	2.72E-13	5.95E-11	3.42E-08	7.85E-11	3.43E-08	5.7E-09	3.58E-11	5.73E-09	1.84E-14	5.54E-14	3.21E-14	0	0	0	0	2.975E-12	3.4269E-08	5.73E-09	1.52605E-14	0	9.37475E-15	0
356	570430.6	4178359	0.55, 41783	0.15989	0.11858	87.11605	31.54887	14.51934	4.83992	6.72496E-11	3.13E-13	6.76E-11	3.66E-08	8.34E-11	3.67E-08	6.11E-09	3.84E-11	6.15E-09	2.08E-14	6.3E-14	3.64E-14	0	0	0	0	3.378E-12	3.6724E-08	6.15E-09	1.73257E-14	0	1.06435E-14	0
357	570470.6	4178359	0.55, 41783	0.18374	0.13844	97.3598	33.59814	15.36354	5.1813	7.72809E-11	3.66E-13	7.76E-11	4.09E-08	8.88E-11	4.1E-08	6.46E-09	4.06E-11	6.5E-09	2.4E-14	7.23E-14	4.19E-14	0	0	0	0	3.882E-12	4.1038E-08	6.5E-09	1.99116E-14	0	1.2232E-14	0
358	570510.6	4178359	0.55, 41783	0.21432	0.16421	118.04415	35.93263	16.48105	5.5698	9.01428E-11	4.34E-13	9.06E-11	4.96E-08	9.50E-11	4.97E-08	6.93E-09	4.36E-11	6.98E-09	2.8E-14	8.44E-14	4.89E-14	0	0	0	0	4.529E-12	4.9744E-08	6.98E-09	2.32274E-14	0	1.42689E-14	0
359	570550.6	4178359	0.55, 41783	0.25472	0.19842	139.50155	38.63371	19.4148	6.01971	1.07135E-10	5.24E-13	1.08E-10	5.87E-08	1.02E-10	5.88E-08	8.17E-09	5.13E-11	8.22E-09	3.32E-14	1E-13	5.81E-14	0	0	0	0	5.383E-12	5.8776E-08	8.22E-09	2.7608E-14	0	1.696E-14	0
360	570590.6	4178359	0.55, 41783	0.30979	0.24497	159.83108	41.83842	22.23989	6.84975	1.30297E-10	6.47E-13	1.31E-10	6.72E-08	1.11E-10	6.73E-08	9.35E-09	5.88E-11	9.41E-09	4.04E-14	1.22E-13	7.06E-14	0	0	0	0	6.547E-12	6.7335E-08	9.41E-09	3.35793E-14	0	2.06283E-14	0
361	570630.6	4178359	0.55, 41783	0.38734	0.31015	206.43147	51.05257	25.80393	8.50876	1.62915E-10	8.20E-13	1.64E-10	8.68E-08	1.35E-10	8.7E-08	1.09E-08	6.82E-11	1.09E-08	5.05E-14	1.53E-13	8.83E-14	0	0	0	0	8.187E-12	8.696E-08	1.09E-08	4.19878E-14	0	2.57938E-14	0
362	570670.6	4178359	0.55, 41783	0.50063	0.40488	262.98595	60.70684	32.87324	10.74505	2.10564E-10	1.07E-12	2.12E-10	1.11E-07	1.60E-10	1.11E-07	1.38E-08	8.69E-11	1.39E-08	6.53E-14	1.97E-13	1.14E-13	0	0	0	0	1.058E-11	1.1077E-07	1.39E-08	5.42712E-14	0	3.33397E-14	0
363	570710.6	4178359	0.55, 41783	0.66972	0.54814	304.17814	72.14807	38.02227	15.71205	2.81684E-10	1.45E-12	2.83E-10	1.28E-07	1.91E-10	1.28E-07	1.6E-08	1.00E-10	1.61E-08	8.74E-14	2.64E-13	1.53E-13	0	0	0	0	1.416E-11	1.2813E-07	1.61E-08	7.2606E-14	0	4.4603E-14	0
364	570750.6	4178359	0.55, 41783	0.90523	0.76876	339.35657	85.82023	44.72327	21.31802	3.80739E-10	2.03E-12	3.83E-10	1.43E-07	2.27E-10	1.43E-07	1.88E-08	1.18E-10	1.89E-08	1.18E-13	3.57E-13	2.06E-13	0	0	0	0	1.914E-11	1.4296E-07	1.89E-08	9.81571E-14	0	6.02995E-14	0
365	570790.6	4178359	0.55, 41783	1.13154	1.06104	377.53193	96.31599	54.94081	27.90141	4.75925E-10	2.80E-12	4.79E-10	1.59E-07	2.55E-10	1.59E-07	2.31E-08	1.45E-10	2.33E-08	1.48E-13	4.46E-13	2.58E-13	0	0	0	0	2.394E-11	1.5904E-07	2.33E-08	1.22764E-13	0	7.54162E-14	0
366	570830.6	4178359	0.55, 41783	1.33226	1.74963	411.58415	139.14147	69.46909	37.35577	5.60347E-10	4.62E-12	5.65E-10	1.73E-07	3.68E-10	1.73E-07	2.92E-08	1.84E-10	2.94E-08	1.74E-13	5.26E-13	3.05E-13	0	0	0	0	2.825E-11	1.7348E-07	2.94E-08	1.4488E-13	0	8.90024E-14	0
367	570870.6	4178359	0.55, 41783	1.45984	3.38436	346.78431	184.49712	52.43952	61.49528	6.14007E-10	8.94E-12	6.23E-10	1.46E-07	4.88E-10	1.46E-07	2.21E-08	1.39E-10	2.22E-08	1.92E-13	5.8E-13	3.36E-13	0	0	0	0	3.115E-11	1.4634E-07	2.22E-08	1.59749E-13	0	9.81363E-14	0
368	571150.6	4178359	0.55, 41783	17.36196	17.82412	1537.79423	258.8776	350.34789	128.93656	7.30242E-09	4.71E-11	7.35E-09	6.47E-07	6.84E-10	6.47E-07	1.47E-07	9.26E-10	1.48E-07	2.27E-12	6.85E-12	3.96E-12	0	0	0	0	3.675E-10	6.4748E-07	1.48E-07	1.8847E-12	0	1.1578E-12	0
369	571190.6	4178359	0.55, 41783	10.35157	8.16971	590.93034	162.31709	161.82999	76.08872	4.35386E-09	2.16E-11	4.38E-09	2.49E-07	4.29E-10	2.49E-07	6.81E-08	4.28E-10	6.85E-08	1.35E-12	4.08E-12	2.36E-12	0	0	0	0	2.188E-10	2.4897E-07	6.85E-08	1.12203E-12	0	6.89284E-13	0
370	571230.6	4178359	0.55, 41783	6.41954	4.85697	429.96716	118.18476	103.83364	47.29307	2.70005E-09	1.28E-11	2.71E-09	1.81E-07	3.12E-10	1.81E-07	4.37E-08	2.74E-10	4.39E-08	8.37E-13	2.53E-12	1.46E-12	0	0	0	0	1.356E-10	1.8116E-07	4.39E-08	6.95689E-13	0	4.27373E-13	0
371	571270.6	4178359	0.55, 41783	4.24607	3.28764	330.34534	97.41521	71.25122	30.79427	1.78589E-09	8.69E-12	1.79E-09	1.39E-07	2.57E-10	1.39E-07	3E-08	1.88E-10	3.02E-08	5.54E-13	1.67E-12	9.68E-13	0	0	0	0	8.973E-11	1.392E-07	3.02E-08	4.602E-13	0	2.82708E-13	0
372	571310.6	4178359	0.55, 41783	3.01802	2.39332	280.32399	84.30249	47.38187	23.6076	1.26938E-09	6.33E-12	1.28E-09	1.18E-07	2.23E-10	1.18E-07	1.99E-08	1.25E-10	2.01E-08	3.94E-13	1.19E-12	6.88E-13	0	0	0	0	6.379E-11	1.1813E-07	2.01E-08	3.27139E-13	0	2.00967E-13	0
373	571350.6	4178359	0.55, 41783	2.25439	1.82521	223.1696	75.03337	32.74083	19.24184	9.48194E-10	4.82E-12	9.53E-10	9.39E-08	1.98E-10	9.41E-08	1.38E-08	8.65E-11	1.39E-08	2.94E-13	8.88E-13	5.14E-13	0	0	0	0	4.765E-11	9.4063E-08	1.39E-08	2.4439E-13	0	1.50133E-13	0
374	571390.6	4178359	0.55, 41783	1.7395	1.43625	164.0034	68.00709	25.39154	16.17569	7.31632E-10	3.80E-12	7.35E-10	6.9E-08	1.80E-10	6.92E-08	1.07E-08	6.71E-11	1.07E-08	2.27E-13	6.85E-13	3.97E-13	0	0	0	0	3.677E-11	6.9159E-08	1.07E-08	1.88592E-13	0	1.15855E-13	0
375	571430.6	4178359	0.55, 41783	1.37666	1.15767	113.66708	62.41604	21.33563	13.79366	5.79022E-10	3.06E-12	5.82E-10	4.78E-08	1.65E-10	4.8E-08	8.97E-09	5.64E-11	9.03E-09	1.8E-13	5.42E-13	3.14E-13	0	0	0	0	2.91E-11	4.7973E-08	9.03E-09	1.49268E-13	0	9.16978E-14	0
376	571470.6	4178359	0.55, 41783	1.11313	0.95193	91.64258	57.80687	17.74486	11.89568	4.68181E-10	2.52E-12	4.71E-10	3.85E-08	1.53E-10	3.87E-08	7.46E-09	4.69E-11	7.51E-09	1.45E-13	4.39E-13	2.54E-13	0	0	0	0	2.353E-11	3.8698E-08	7.51E-09	1.20705E-13	0	7.41509E-14	0
377	571510.6	4178359	0.55, 41783	0.9166	0.79605	82.11168	53.90312	14.64829	10.35284	3.85521E-10	2.10E-12	3.88E-10	3.45E-08	1.42E-10	3.47E-08	6.16E-09	3.87E-11	6.2E-09	1.2E-13	3.61E-13	2.09E-13	0	0	0	0	1.938E-11	3.4679E-08	6.2E-09	9.94019E-14	0	6.10642E-14	0
378	571550.6	4178359	0.55, 41783	0.76622	0.67498	72.9064	50.52239	12.13868	9.07968	3.22271E-10	1.78E-12	3.24E-10	3.07E-08	1.34E-10	3.08E-08	5.11E-09	3.21E-11	5.14E-09	1E-13	3.02E-13	1.75E-13	0	0	0	0	1.62E-11	3.0798E-08	5.14E-09	8.31002E-14	0	5.10498E-14	0
379	571590.6	4178359	0.55, 41783	0.64386	0.57575	65.94968	47.48497	10.99161	8.00686	2.70807E-10	1.52E-12	2.72E-10	2.77E-08	1.26E-10	2.79E-08	4.62E-09	2.91E-11	4.65E-09	8.4E-14	2.54E-13	1.47E-13	0	0	0	0	1.362E-11	2.7864E-08	4.65E-09	6.98355E-14	0	4.29011E-14	0
380	570310.6	4178399	0.55, 41783	0.11287	0.08031	71.34246	27.87564	11.89041	3.82503	4.7473E-11	2.12E-13	4.77E-11	3E-08	7.37E-11	3.01E-08	5E-09	3.14E-11	5.03E-09	1.47E-14	4.44E-14	2.57E-14	0	0	0	0	2.384E-12	3.008E-08	5.03E-09	1.22283E-14	0	7.51206E-15	0
381	570350.6	4178399	0.55, 41783	0.12665	0.09175	75.96419	29.57043	12.46202	4.12173	5.32689E-11	2.42E-13	5.35E-11	3.2E-08	7.82E-11	3.2E-08	5.24E-09	3.29E-11	5.27E-09	1.65E-14	4.99E-14	2.89E-14	0	0	0	0	2.676E-12	3.2029E-08	5.27E-09	1.37224E-14	0	8.42987E-15	0
382	570390.6	4178399	0.55, 41783	0.1425	0.10434	83.29233	31.439	13.04897	4.44958	5.99354E-11	2.76E-13	6.02E-11	3.5E-08	8.31E-11	3.51E-08	5.49E-09	3.45E-11	5.52E-09	1.86E-14	5.61E-14	3.25E-14	0	0	0	0	3.011E-12	3.5116E-08	5.52E-09	1.54404E-14	0	9.48531E-15	0
383	570430.6	4178399	0.55, 41783	0.16211	0.12032	91.32735	33.521	14.59534	4.81492	6.81833E-11	3.18E-13	6.85E-11	3.84E-08	8.86E-11	3.85E-08	6.14E-09	3.86E-11	6.18E-09	2.11E-14	6.38E-14	3.69E-14	0	0	0	0	3.425E-12	3.8501E-08	6.18E-09	1.75664E-14	0	1.07913E-14	0
384	570470.6	4178399	0.55, 41783	0.18668	0.14051	100.43451	35.89015	16.57018	5.22899	7.85174E-11	3.71E-13	7.89E-11	4.22E-08	9.49E-11	4.23E-08	6.97E-09	4.38E-11	7.01E-09	2.43E-14	7.35E-14	4.26E-14	0	0	0	0	3.944E-12	4.2338E-08	7.01E-09	2.02301E-14	0	1.24277E-14	0
385	570510.6	4178399	0.55, 41783	0.21834	0.16684	112.76596	38.62084	18.79433	5.70408	9.18336E-11	4.41E-13	9.23E-11	4.74E-08	1.02E-10	4.75E-08	7.9E-09	4.97E-11	7.95E-09	2.85E-14	8.6E-14	4.98E-14	0	0	0	0	4.614E-12	4.7531E-08	7.95E-09	2.36627E-14	0	1.45364E-14	0
386	570550.6	4178399	0.55, 41783	0.26039	0.20212	127.75395	41.82578	21.29232	6.25899	1.0952E-10	5.34E-13	1.1E-10	5.37E-08	1.11E-10	5.38E-08	8.96E-09	5.63E-11	9.01E-09	3.4E-14	1.03E-13	5.94E-14	0	0	0	0	5.503E-12	5.3844E-08	9.01E-09	2.82221E-14	0	1.73373E-14	0
387	570590.6	4178399	0.55, 41783	0.3185	0.25095	144.10526	45.67081	24.01754	7.17597	1.33961E-10	6.63E-13	1.35E-10	6.06E-08	1.21E-10	6.07E-08	1.01E-08	6.35E-11	1.02E-08	4.15E-14	1.25E-13	7.26E-14	0	0	0	0	6.731E-12	6.0731E-08	1.02E-08	3.45228E-14	0	2.12079E-14	0
388	570630.6	4178399	0.55, 41783	0.40291	0.32135	177.65061	50.39519	27.05917	8.74903	1.69464E-10	8.49E-13	1.7E-10	7.47E-08	1.33E-10	7.49E-08	1.14E-08	7.15E-11	1.15E-08	5.26E-14	1.59E-13	9.19E-14	0	0	0	0	8.516E-12	7.4853E-08	1.15E-08	4.36748E-14	0	2.68301E-14	0
389	570670.6	4178399	0.55, 41783	0.53348	0.4284	224.79663	56.41372	32.60934	10.76331	2.24381E-10	1.13E-12	2.26E-10	9.45E-08	1.49E-10	9.47E-08	1.37E-08	8.62E-11	1.38E-08	6.96E-14	2.1E-13	1.22E-13	0	0	0	0	1.128E-11	9.4698E-08	1.38E-08	5.78303E-14	0	3.55261E-14	0
390	570710.6	4178399	0.55, 41783	0.75271	0.60288	297.96202	70.92072	41.13122	14.0152	3.16589E-10	1.59E-12	3.18E-10	1.25E-07	1.87E-10	1.26E-07	1.73E-08	1.09E-10	1.74E-08	9.82E-14	2.96E-13	1.72E-13	0	0	0	0	1.591E-11	1.2551E-07	1.74E-08	8.15942E-14	0	5.01246E-14	0
391	570750.6	4178399	0.55, 41783	1.15447	0.90762	416.42427	90.04322	52.05303	22.1169	4.85569E-10	2.40E-12	4.88E-10	1.75E-07	2.38E-10	1.75E-07	2.19E-08	1.38E-10	2.2E-08	1.51E-13	4.55E-13	2.63E-13	0	0	0	0	2.44E-11	1.7539E-07	2.2E-08	1.25134E-13	0	7.68716E-14	0
392	570790.6	4178399	0.55, 41783	1.70092	1.35462	632.44551	121.09647	79.05569	31.00919	7.15405E-10	3.58E-12	7.19E-10	2.66E-07	3.20E-10	2.66E-07	3.33E-08	2.09E-10	3.35E-08	2.22E-13	6.7E-13	3.88E-13	0	0	0	0	3.595E-11	2.6633E-07	3.35E-08	1.84375E-13	0	1.13265E-13	0
393	570830.6	4178399	0.55, 41783	3.46088	2.976	854.46592	185.76652	157.19416	64.23703	1.45564E-09	7.87E-12	1.46E-09	3.59E-07	4.91E-10	3.6E-07	6.61E-08	4.15E-10	6.65E-08	4.52E-13	1.36E-12	7.89E-13	0	0	0	0	7.318E-11	3.5988E-07	6.65E-08	3.753E-13	0	2.30553E-13	0
394	571110.6	4178399	0.55, 41783	4.7766	17.70794	386.44752	237.89657	91.74551	117.26543	2.00903E-09	4.68E-11	2.06E-09	1.63E-07	6.29E-10	1.63E-07	3.86E-08	2.42E-10	3.88E-08	6.34E-13	1.92E-12	1.11E-12	0	0	0	0	1.028E-10	1.6317E-07	3.88E-08	5.27195E-13	0	3.23865E-13	0
395	571150.6	4178399	0.55, 41783	4.75682	9.04164	493.27775	194.83019	91.47407	80.27894	2.00071E-09	2.39E-11	2.02E-09	2.07E-07	5.15E-10	2.08E-07	3.85E-08	2.42E-10	3.87E-08	6.25E-13	1.89E-12	1.09E-12	0	0	0	0	1.012E-10	2.0799E-07	3.87E-08	5.19188E-13	0	3.18946E-13	0
396	571190.6	4178399	0.55, 41783	4.13591	5.67532	541.83424	159.29594	82.25115	55.55038	1.73956E-09	1.50E-11	1.75E-09	2.28E-07	4.21E-10	2.28E-07	3.46E-08	2.17E-10	3.48E-08	5.41E-13	1.63E-12	9.46E-13	0	0	0	0	8.773E-11	2.2832E-07	3.48E-08	4.49936E-13	0	2.76403E-13	0
397	571230.6	4178399	0.55, 41783	3.34043	3.91116	419.25179	113.41297	67.92735	42.50701	1.40498E-09	1.03E-11	1.42E-09	1.76E-07	3.00E-10	1.77E-07	2.86E-08	1.80E-10	2.87E-08	4.37E-13	1.32E-12	7.63E-13	0	0	0	0	7.077E-11	1.7664E-07	2.87E-08	3.62942E-13	0	2.22961E-13	0
398	571270.6	4178399	0.55, 41783	2.69096	2.84934	276.99568	96.24025	46.4546	32.10306	1.13182E-09	7.53E-12	1.14E-09	1.17E-07	2.54E-10	1.17E-07	1.95E-08	1.23E-10	1.97E-08	3.52E-13	1.06E-12	6.15E-13	0	0	0	0	5.697E-11	1.1676E-07	1.97E-08	2.92172E-13	0	1.79486E-13	0
399	571310.6	4178399	0.55, 41783	2.15304	2.16763	240.01182	84.08056	39.08125	24.00367	9.05566E-10	5.73E-12	9.11E-10	1.01E-07	2.22E-10	1.01E-07	1.64E-08	1.03E-10	1.65E-08	2.81E-13	8.49E-13	4.92E-13	0	0	0	0	4.556E-11	1.0117E-07	1.65E-08	2.33691E-13	0	1.4356E-13	0
400	571350.6	4178399	0.55, 41783	1.74135	1.70512	224.12525	73.73672	31.06226	18.34101	7.3241E-10	4.51E-12	7.37E-10	9.43E-08	1.95E-10	9.45E-08	1.31E-08	8.21E-11	1.31E-08	2.27E-13	6.87E-13	3.97E-13	0	0	0	0	3.685E-11	9.4462E-08	1.31E-08	1.88974E-13	0	1.1609E-13	0
401	571390.6	4178399	0.55, 41783	1.43215	1.37481	207.21833	64.01827	26.21992	15.02288	6.02361E-10	3.63E-12	6.06E-10	8.72E-08	1.69E-10	8.73E-08	1.1E-08	6.93E-11	1.11E-08	1.87E-13	5.65E-13	3.27E-13	0	0	0	0	3.03E-11	8.7325E-08	1.11E-08	1.554E-13	0	9.54649E-14	0
402	571430.6	4178399	0.55, 41783	1.19016	1.12906	179.9524	59.14274	22.49405	12.88734	5.0058E-10	2.98E-12	5.04E-10	7.57E-08	1.56E-10	7.58E-08	9.46E-09	5.95E-11	9.52E-09	1.55E-13	4.69E-13	2.72E-13	0	0	0	0	2.518E-11	7.5844E-08	9.52E-09	1.29133E-13	0	7.93286E-14	0
403	571470.6	4178399	0.55, 41783	0.9966	0.93995	146.8642	55.47011	18.35802	11.23121	4.19169E-10	2.48E-12	4.22E-10	6.18E-08	1.47E-10	6.19E-08	7.72E-09	4.85E-11	7.77E-09	1.3E-13	3.93E-13	2.27E-13	0	0	0	0	2.108E-11	6.1918E-08	7.77E-09	1.08128E-13	0	6.64248E-14	0
404	571510.6	4178399	0.55, 41783	0.8441	0.79417	113.63796	52.27286	14.20474	9.85599	3.55028E-10	2.10E-12	3.57E-10	4.78E-08	1.38E-10	4.79E-08	5.97E-09	3.75E-11	6.01E-09	1.1E-13	3.33E-13	1.93E-13	0	0	0	0	1.786E-11	4.7934E-08	6.01E-09	9.1581E-14	0	5.62597E-14	0
405	571550.6	4178399	0.55, 41783	0.71988	0.67749	84.04695	49.45688	12.59546	8.65245	3.02781E-10	1.79E-12	3.05E-10	3.54E-08	1.31E-10	3.55E-08	5.3E-09	3.33E-11	5.33E-09	9.4E-14	2.84E-13	1.64E-13	0	0	0	0	1.523E-11	3.5481E-08	5.33E-09	7.81038E-14	0	4.79804E-14	0
406	571590.6	4178399	0.55, 41783	0.61846	0.58359	61.25343	46.95039	11.31778	7.65227	2.60124E-10	1.54E-12	2.62E-10	2.58E-08	1.24E-10	2.59E-08	4.76E-09	2.99E-11	4.79E-09	8.07E-14	2.44E-13	1.41E-13	0	0	0	0	1.308E-11	2.5887E-08	4.79E-09	6.71012E-14	0	4.12214E-14	0
407	570310.6	4178439	0.55, 41784	0.11265	0.08111	78.47962	27.91467	13.07994	3.48933	4.73805E-11	2.14E-13	4.76E-11	3.3E-08	7.38E-11	3.31E-08	5.5E-09	3.46E-11	5.54E-09	1.47E-14	4.43E-14	2.57E-14	0	0	0	0	2.38E-12	3.3082E-08	5.54E-09	1.22051E-14	0	7.49782E-15	0
408	570350.6	4178439	0.55, 41784	0.12585	0.09139	84.54471	29.62734	14.09078	3.70342	5.29324E-11	2.42E-13	5.32E-11	3.56E-08	7.83E-11	3.56E-08	5.93E-09	3.72E-11	5.96E-09	1.64E-14	4.95E-14	2.87E-14	0	0	0	0	2.659E-12	3.5638E-08	5.96E-09	1.36358E-14	0	8.37671E-15	0
409	570390.6	4178439	0.55, 41784	0.14252	0.10489	91.50908	31.67143	15.25151	4.06451	5.99438E-11	2.77E-13	6.02E-11	3.85E-08	8.37E-11	3.86E-08	6.41E-09	4.03E-11	6.46E-09	1.86E-14	5.61E-14	3.25E-14	0	0	0	0	3.011E-12	3.8572E-08	6.46E-09	1.5443E-14	0	9.48687E-15	0
410	570430.6	4178439	0.55, 41784	0.16313	0.12204	99.54775	33.93845	16.59129	4.47421	6.86123E-11	3.23E-13	6.89E-11	4.19E-08	8.97E-11	4.2E-08	6.98E-09	4.39E-11	7.02E-09	2.13E-14	6.42E-14	3.72E-14	0	0	0	0	3.447E-12	4.1959E-08	7.02E-09	1.76775E-14	0	1.08596E-14	0
411	570470.6	4178439	0.55, 41784	0.18858	0.14267	108.92524	36.54882	18.15421	4.93599	7.93166E-11	3.77E-13	7.97E-11	4.58E-08	9.66E-11	4.59E-08	7.64E-09	4.80E-11	7.68E-09	2.46E-14	7.43E-14	4.3E-14	0	0	0	0	3.985E-12	4.591E-08	7.68E-09	2.04365E-14	0	1.25545E-14	0
412	570510.6	4178439	0.55, 41784	0.22167	0.16966	120.34611	39.98702	20.05769	5.68986	9.32342E-11	4.48E-13	9.37E-11	5.06E-08	1.06E-10	5.07E-08	8.44E-09	5.30E-11	8.49E-09	2.89E-14	8.73E-14	5.05E-14	0	0	0	0	4.684E-12	5.0723E-08	8.49E-09	2.40238E-14	0	1.47582E-14	0
413	570550.6	4178439	0.55, 41784	0.2658	0.20594	134.27176	44.24032	22.37863	6.83821	1.11795E-10	5.44E-13	1.12E-10	5.65E-08	1.17E-10	5.66E-08	9.41E-09	5.91E-11	9.47E-09	3.47E-14	1.05E-13	6.06E-14	0	0	0	0	5.617E-12	5.6591E-08	9.47E-09	2.88082E-14	0	1.76973E-14	0
414	570590.6	4178439	0.55, 41784	0.3272	0.25654	151.91315	49.32778	25.31886	8.30482	1.3762E-10	6.78E-13	1.38E-10	6.39E-08	1.30E-10	6.4E-08	1.06E-08	6.69E-11	1.07E-08	4.27E-14	1.29E-13	7.46E-14	0	0	0	0	6.915E-12	6.4025E-08	1.07E-08	3.54649E-14	0	2.17867E-14	0
415	570630.6	4178439	0.55, 41784	0.41735	0.33056	175.42083	55.6235	29.2368	10.21264	1.75537E-10	8.74E-13	1.76E-10	7.38E-08	1.47E-10	7.39E-08	1.23E-08	7.73E-11	1.24E-08	5.44E-14	1.64E-13	9.52E-14	0	0	0	0	8.821E-12	7.3929E-08	1.24E-08	4.52385E-14	0	2.77907E-14	0
416	570670.6	4178439	0.55, 41784	0.56024	0.44648	208.37177	63.80907	34.72863	12.75328	2.35636E-10	1.18E-12	2.37E-10	8.76E-08	1.69E-10	8.78E-08	1.46E-08	9.18E-11	1.47E-08	7.31E-14	2.21E-13	1.28E-13	0	0	0	0	1.184E-11	8.781E-08	1.47E-08	6.07288E-14	0	3.73067E-14	0
417	570710.6	4178439	0.55, 41784	0.81434	0.64609	258.28683	75.2647	43.04781	16.40047	3.42511E-10	1.71E-12	3.44E-10	1.09E-07	1.99E-10	1.09E-07	1.81E-08	1.14E-10	1.82E-08	1.06E-13	3.21E-13	1.86E-13	0	0	0	0	1.721E-11	1.0883E-07	1.82E-08	8.82707E-14	0	5.42262E-14	0
418	570750.6	4178439	0.55, 41784	1.35572	1.03003	343.9155	93.10334	57.16949	22.25077	5.70214E-10	2.72E-12	5.73E-10	1.45E-07	2.46E-10	1.45E-07	2.4E-08	1.51E-10	2.42E-08	1.77E-13	5.34E-13	3.09E-13	0	0	0	0	2.865E-11	1.449E-07	2.42E-08	1.46923E-13	0	9.02572E-14	0
419	570790.6	4178439	0.55, 41784	3.18264	2.0617	571.47263	129.70009	95.66015	38.79176	1.33862E-09	5.45E-12	1.34E-09	2.4E-07	3.43E-10	2.41E-07	4.02E-08	2.53E-10	4.05E-08	4.15E-13	1.25E-12	7.25E-13	0	0	0	0	6.72E-11	2.407E-07	4.05E-08	3.4467E-13	0	2.11736E-13	0
420	571070.6	4178439	0.55, 41784	4.74443	12.25677	251.71558	235.3671	48.15254	87.29167	1.9955E-09	3.24E-11	2.03E-09	1.06E-07	6.22E-10	1.06E-07	2.03E-08	1.27E-10	2.04E-08	6.26E-13	1.89E-12	1.09E-12	0	0	0	0	1.014E-10	1.0649E-07	2.04E-08	5.20031E-13	0	3.19463E-13	0
421	571110.6	4178439	0.55, 41784	3.89854	10.39914	292.37938	213.76959	54.55193	96.69541	1.63972E-09	2.75E-11	1.67E-09	1.23E-07	5.65E-10	1.24E-07	2.29E-08	1.44E-10	2.31E-08	5.14E-13	1.55E-12	8.99E-13	0	0	0	0	8.336E-11	1.2354E-07	2.31E-08	4.27536E-13	0	2.62642E-13	0
422	571150.6	4178439	0.55, 41784	3.24566	6.14355	299.25996	151.74182	53.26943	58.88405	1.36512E-09	1.62E-11	1.38E-09	1.26E-07	4.01E-10	1.26E-07	2.24E-08	1.41E-10	2.25E-08	4.26E-13	1.29E-12	7.45E-13	0	0	0	0	6.907E-11	1.2627E-07	2.25E-08	3.54233E-13	0	2.17611E-13	0
423	571190.6	4178439	0.55, 41784	2.68652	4.20662	319.22111	114.25705	45.60302	42.68486	1.12995E-09	1.11E-11	1.14E-09	1.34E-07	3.02E-10	1.35E-07	1.92E-08	1.21E-10	1.93E-08	3.52E-13	1.06E-12	6.15E-13	0	0	0	0	5.705E-11	1.3457E-07	1.93E-08	2.92613E-13	0	1.79757E-13	0
424	571230.6	4178439	0.55, 41784	2.2851	3.10379	355.31137	114.374	48.25343	33.87475	9.61111E-10	8.20E-12	9.69E-10	1.49E-07	3.02E-10	1.5E-07	2.03E-08	1.28E-10	2.04E-08	2.99E-13	9.03E-13	5.23E-13	0	0	0	0	4.847E-11	1.4975E-07	2.04E-08	2.48569E-13	0	1.527E-13	0
425	571270.6	4178439	0.55, 41784	1.91581	2.39067	281.61312	92.35093	43.32371	28.45229	8.05788E-10	6.32E-12	8.12E-10	1.18E-07	2.44E-10	1.19E-07	1.82E-08	1.15E-10	1.83E-08	2.51E-13	7.57E-13	4.38E-13	0	0	0	0	4.061E-11	1.1869E-07	1.83E-08	2.08255E-13	0	1.27935E-13	0
426	571310.6	4178439	0.55, 41784	1.62017	1.88774	249.98498	75.512	38.72011	23.46838	6.81442E-10	4.99E-12	6.86E-10	1.05E-07	2.00E-10	1.05E-07	1.63E-08	1.02E-10	1.64E-08	2.12E-13	6.4E-13	3.7E-13	0	0	0	0	3.432E-11	1.0534E-07	1.64E-08	1.76027E-13	0	1.08136E-13	0
427	571350.6	4178439	0.55, 41784	1.36969	1.52492	207.90528	71.02603	31.99215	18.96422	5.7609E-10	4.03E-12	5.8E-10	8.74E-08	1.88E-10	8.76E-08	1.35E-08	8.46E-11	1.35E-08	1.79E-13	5.41E-13	3.13E-13	0	0	0	0	2.901E-11	8.7632E-08	1.35E-08	1.48765E-13	0	9.13889E-14	0
428	571390.6	4178439	0.55, 41784	1.16602	1.25794	137.82846	66.02867	21.56098	15.29437	4.90427E-10	3.32E-12	4.94E-10	5.8E-08	1.75E-10	5.81E-08	9.07E-09	5.70E-11	9.13E-09	1.52E-13	4.6E-13	2.66E-13	0	0	0	0	2.469E-11	5.8145E-08	9.13E-09	1.26617E-13	0	7.77828E-14	0
429	571430.6	4178439	0.55, 41784	1.00225	1.05165	150.81052	60.59063	19.07395	12.70811	4.21545E-10	2.78E-12	4.24E-10	6.34E-08	1.60E-10	6.36E-08	8.02E-09	5.04E-11	8.07E-09	1.31E-13	3.95E-13	2.29E-13	0	0	0	0	2.122E-11	6.3591E-08	8.07E-09	1.08813E-13	0	6.68457E-14	0
430	571470.6	4178439	0.55, 41784	0.86528	0.88825	153.64691	54.59461	19.20586	10.6849	3.63936E-10	2.35E-12	3.66E-10	6.46E-08	1.44E-10	6.48E-08	8.08E-09	5.08E-11	8.13E-09	1.13E-13	3.41E-13	1.98E-13	0	0	0	0	1.831E-11	6.4768E-08	8.13E-09	9.39292E-14	0	5.77022E-14	0
431	571510.6	4178439	0.55, 41784	0.75493	0.76151	144.52703	49.13224	18.06588	9.74189	3.17523E-10	2.01E-12	3.2E-10	6.08E-08	1.30E-10	6.09E-08	7.6E-09	4.77E-11	7.65E-09	9.86E-14	2.98E-13	1.72E-13	0	0	0	0	1.598E-11	6.0918E-08	7.65E-09	8.19412E-14	0	5.03378E-14	0
432	571550.6	4178439	0.55, 41784	0.65913	0.65716	127.58758	46.59598	15.94845	8.8858	2.77229E-10	1.74E-12	2.79E-10	5.37E-08	1.23E-10	5.38E-08	6.71E-09	4.22E-11	6.75E-09	8.61E-14	2.6E-13	1.5E-13	0	0	0	0	1.395E-11	5.3786E-08	6.75E-09	7.15377E-14	0	4.39467E-14	0
433	571590.6	4178439	0.55, 41784	0.57626	0.57045	106.82976	44.35137	13.35372	8.08009	2.42374E-10	1.51E-12	2.44E-10	4.49E-08	1.17E-10	4.5E-08	5.62E-09	3.53E-11	5.65E-09	7.53E-14	2.27E-13	1.32E-13	0	0	0	0	1.219E-11	4.505E-08	5.65E-09	6.25407E-14	0	3.84198E-14	0
434	570310.6	4178479	0.55, 41784	0.1113	0.08183	74.58423	29.47815	11.80727	4.00274	4.68127E-11	2.16E-13	4.7E-11	3.14E-08	7.79E-11	3.14E-08	4.97E-09	3.12E-11	5E-09	1.45E-14	4.38E-14	2.54E-14	0	0	0	0	2.351E-12	3.1448E-08	5E-09	1.206E-14	0	7.40867E-15	0
435	570350.6	4178479	0.55, 41784	0.12561	0.09388	80.0812	31.76761	12.83362	4.33491	5.28314E-11	2.48E-13	5.31E-11	3.37E-08	8.40E-11	3.38E-08	5.4E-09	3.39E-11	5.43E-09	1.64E-14	4.95E-14	2.86E-14	0	0	0	0	2.654E-12	3.3766E-08	5.43E-09	1.36116E-14	0	8.36185E-15	0
436	570390.6	4178479	0.55, 41784	0.14146	0.10678	86.10528	34.01158	14.01299	4.67053	5.94979E-11	2.82E-13	5.98E-11	3.62E-08	8.99E-11	3.63E-08	5.89E-09	3.70E-11	5.93E-09	1.84E-14	5.57E-14	3.22E-14	0	0	0	0	2.989E-12	3.6306E-08	5.93E-09	1.53299E-14	0	9.41742E-15	0
437	570430.6	4178479	0.55, 41784	0.16075	0.12266	93.00088	36.36689	15.32204	5.02469	6.76113E-11	3.24E-13	6.79E-11	3.91E-08	9.61E-11	3.92E-08	6.44E-09	4.05E-11	6.48E-09	2.1E-14	6.33E-14	3.66E-14	0	0	0	0	3.397E-12	3.9212E-08	6.48E-09	1.74213E-14	0	1.07022E-14	0
438	570470.6	4178479	0.55, 41784	0.18644	0.14379	101.96042	39.51551	16.93263	5.48718	7.84165E-11	3.80E-13	7.88E-11	4.29E-08	1.04E-10	4.3E-08	7.12E-09	4.48E-11	7.17E-09	2.43E-14	7.34E-14	4.25E-14	0	0	0	0	3.94E-12	4.2989E-08	7.17E-09	2.02064E-14	0	1.24131E-14	0
439	570510.6	4178479	0.55, 41784	0.22079	0.17209	113.44919	43.50567	18.9082	6.17272	9.2864E-11	4.55E-13	9.33E-11	4.77E-08	1.15E-10	4.78E-08	7.95E-09	5.00E-11	8E-09	2.88E-14	8.69E-14	5.03E-14	0	0	0	0	4.666E-12	4.7832E-08	8E-09	2.39305E-14	0	1.47009E-14	0
440	570550.6	4178479	0.55, 41784	0.2667	0.21004	127.7059	48.20733	21.28432	7.34053	1.12174E-10	5.55E-13	1.13E-10	5.37E-08	1.27E-10	5.38E-08	8.95E-09	5.63E-11	9.01E-09	3.48E-14	1.05E-13	6.08E-14	0	0	0	0	5.636E-12	5.384E-08	9.01E-09	2.8908E-14	0	1.77587E-14	0
441	570590.6	4178479	0.55, 41784	0.32931	0.26248	144.67878	53.44745	24.11313	8.81975	1.38507E-10	6.94E-13	1.39E-10	6.09E-08	1.41E-10	6.1E-08	1.01E-08	6.37E-11	1.02E-08	4.3E-14	1.3E-13	7.51E-14	0	0	0	0	6.96E-12	6.0993E-08	1.02E-08	3.56965E-14	0	2.1929E-14	0
442	570630.6	4178479	0.55, 41784	0.42133	0.33962	165.95931	60.05375	27.65989	10.77683	1.77211E-10	8.98E-13	1.78E-10	6.98E-08	1.59E-10	7E-08	1.16E-08	7.31E-11	1.17E-08	5.5E-14	1.66E-13	9.61E-14	0	0	0	0	8.905E-12	6.9961E-08	1.17E-08	4.56739E-14	0	2.80582E-14	0
443	570670.6	4178479	0.55, 41784	0.56746	0.46145	193.36004	69.0612	32.22667	13.5092	2.38673E-10	1.22E-12	2.4E-10	8.13E-08	1.83E-10	8.15E-08	1.36E-08	8.52E-11	1.36E-08	7.4E-14	2.24E-13	1.29E-13	0	0	0	0	1.199E-11	8.151E-08	1.36E-08	6.15177E-14	0	3.77913E-14	0
444	570710.6	4178479	0.55, 41784	0.83023	0.67528	236.53606	81.84268	39.07222	17.68943	3.49194E-10	1.78E-12	3.51E-10	9.95E-08	2.16E-10	9.97E-08	1.64E-08	1.03E-10	1.65E-08	1.08E-13	3.27E-13	1.89E-13	0	0	0	0	1.755E-11	9.9703E-08	1.65E-08	9.00044E-14	0	5.52912E-14	0
445	570750.6	4178479	0.55, 41784	1.42426	1.12918	342.03514	102.90165	49.67165	25.1054	5.99042E-10	2.98E-12	6.02E-10	1.44E-07	2.72E-10	1.44E-07	2.09E-08	1.31E-10	2.1E-08	1.86E-13	5.61E-13	3.25E-13	0	0	0	0	3.01E-11	1.4413E-07	2.1E-08	1.54383E-13	0	9.48398E-14	0
446	570790.6	4178479	0.55, 41784	3.63047	2.75084	596.75244	187.47347	107.7468	51.23422	1.52697E-09	7.27E-12	1.53E-09	2.51E-07	4.95E-10	2.51E-07	4.53E-08	2.85E-10	4.56E-08	4.73E-13	1.43E-12	8.28E-13	0	0	0	0	7.671E-11	2.5149E-07	4.56E-08	3.93439E-13	0	2.41696E-13	0
447	571030.6	4178479	0.55, 41784	9.40071	15.68167	333.68631	267.08575	81.11776	110.69164	3.95393E-09	4.14E-11	4E-09	1.4E-07	7.06E-10	1.41E-07	3.41E-08	2.14E-10	3.43E-08	1.23E-12	3.72E-12	2.16E-12	0	0	0	0	1.998E-10	1.4105E-07	3.43E-08	1.02457E-12	0	6.29409E-13	0
448	571070.6	4178479	0.55, 41784	5.59712	9.0131	216.22006	204.77885	54.58514	76.29745	2.35414E-09	2.38E-11	2.38E-09	9.09E-08	5.41E-10	9.15E-08	2.3E-08	1.44E-10	2.31E-08	7.34E-13	2.22E-12	1.28E-12	0	0	0	0	1.189E-10	9.1483E-08	2.31E-08	6.09801E-13	0	3.74611E-13	0
449	571110.6	4178479	0.55, 41784	3.86033	5.8724	232.77263	158.88759	40.87392	60.11848	1.62365E-09	1.55E-11	1.64E-09	9.79E-08	4.20E-10	9.83E-08	1.72E-08	1.08E-10	1.73E-08	5.06E-13	1.53E-12	8.84E-13	0	0	0	0	8.196E-11	9.8324E-08	1.73E-08	4.20347E-13	0	2.58226E-13	0
450	571150.6	4178479	0.55, 41784	2.87873	4.17215	243.47288	131.88403	36.94401	47.80365	1.21079E-09	1.10E-11	1.22E-09	1.02E-07	3.49E-10	1.03E-07	1.55E-08	9.76E-11	1.56E-08	3.77E-13	1.14E-12	6.59E-13	0	0	0	0	6.109E-11	1.0275E-07	1.56E-08	3.13321E-13	0	1.92478E-13	0
451	571190.6	4178479	0.55, 41784	2.25924	3.11768	272.99859	103.34976	40.61499	35.56429	9.50234E-10	8.24E-12	9.58E-10	1.15E-07	2.73E-10	1.15E-07	1.71E-08	1.07E-10	1.72E-08	2.96E-13	8.93E-13	5.17E-13	0	0	0	0	4.792E-11	1.151E-07	1.72E-08	2.4579E-13	0	1.50992E-13	0
452	571230.6	4178479	0.55, 41784	1.86428	2.43731	228.60917	88.43023	34.9281	28.65964	7.84114E-10	6.44E-12	7.91E-10	9.62E-08	2.34E-10	9.64E-08	1.47E-08	9.23E-11	1.48E-08	2.44E-13	7.37E-13	4.26E-13	0	0	0	0	3.953E-11	9.6387E-08	1.48E-08	2.02729E-13	0	1.2454E-13	0
453	571270.6	4178479	0.55, 41784	1.58233	1.95726	275.18297	89.4878	39.56066	24.38596	6.65526E-10	5.17E-12	6.71E-10	1.16E-07	2.37E-10	1.16E-07	1.66E-08	1.05E-10	1.67E-08	2.07E-13	6.25E-13	3.62E-13	0	0	0	0	3.353E-11	1.1598E-07	1.67E-08	1.71993E-13	0	1.05658E-13	0
454	571310.6	4178479	0.55, 41784	1.35793	1.6065	222.77943	77.47813	32.82803	21.05024	5.71144E-10	4.25E-12	5.75E-10	9.37E-08	2.05E-10	9.39E-08	1.38E-08	8.68E-11	1.39E-08	1.78E-13	5.36E-13	3.1E-13	0	0	0	0	2.877E-11	9.3906E-08	1.39E-08	1.47552E-13	0	9.06436E-14	0
455	571350.6	4178479	0.55, 41784	1.1642	1.33076	210.30644	64.61424	30.9494	18.13628	4.89661E-10	3.52E-12	4.93E-10	8.85E-08	1.71E-10	8.86E-08	1.3E-08	8.18E-11	1.31E-08	1.52E-13	4.6E-13	2.66E-13	0	0	0	0	2.466E-11	8.8625E-08	1.31E-08	1.2647E-13	0	7.76925E-14	0
456	571390.6	4178479	0.55, 41784	1.001	1.11694	187.8278	60.73144	27.7002	15.35336	4.2102E-10	2.95E-12	4.24E-10	7.9E-08	1.61E-10	7.92E-08	1.17E-08	7.32E-11	1.17E-08	1.31E-13	3.95E-13	2.29E-13	0	0	0	0	2.12E-11	7.9161E-08	1.17E-08	1.08723E-13	0	6.67901E-14	0
457	571430.6	4178479	0.55, 41784	0.8626	0.94616	141.00765	57.76687	20.99683	12.7525	3.62809E-10	2.50E-12	3.65E-10	5.93E-08	1.53E-10	5.95E-08	8.83E-09	5.55E-11	8.89E-09	1.13E-13	3.4E-13	1.97E-13	0	0	0	0	1.827E-11	5.946E-08	8.89E-09	9.36793E-14	0	5.75487E-14	0
458	571470.6	4178479	0.55, 41784	0.75511	0.81334	85.41876	54.87579	13.60469	11.10539	3.17598E-10	2.15E-12	3.2E-10	3.59E-08	1.45E-10	3.61E-08	5.72E-09	3.60E-11	5.76E-09	9.87E-14	2.98E-13	1.72E-13	0	0	0	0	1.599E-11	3.6072E-08	5.76E-09	8.19957E-14	0	5.03713E-14	0
459	571510.6	4178479	0.55, 41784	0.666	0.70453	104.54177	51.61661	13.06772	9.4895	2.80119E-10	1.86E-12	2.82E-10	4.4E-08	1.36E-10	4.41E-08	5.5E-09	3.45E-11	5.53E-09	8.7E-14	2.63E-13	1.52E-13	0	0	0	0	1.41E-11	4.4107E-08	5.53E-09	7.23107E-14	0	4.44217E-14	0
460	571550.6	4178479	0.55, 41784	0.58993	0.61436	114.23468	47.78612	14.27934	8.47335	2.48124E-10	1.62E-12	2.5E-10	4.8E-08	1.26E-10	4.82E-08	6.01E-09	3.77E-11	6.04E-09	7.71E-14	2.33E-13	1.35E-13	0	0	0	0	1.249E-11	4.8173E-08	6.04E-09	6.40449E-14	0	3.93438E-14	0
461	571590.6	4178479	0.55, 41784	0.5248	0.5396	114.71837	43.31659	14.3398	7.89274	2.2073E-10	1.43E-12	2.22E-10	4.83E-08	1.14E-10	4.84E-08	6.03E-09	3.79E-11	6.07E-09	6.86E-14	2.07E-13	1.2E-13	0	0	0	0	1.111E-11	4.8365E-08	6.07E-09	5.69695E-14	0	3.49973E-14	0
462	570310.6	4178519	0.55, 41785	0.10968	0.08323	75.92481	30.95134	12.65413	4.31611	4.61313E-11	2.20E-13	4.64E-11	3.19E-08	8.18E-11	3.2E-08	5.32E-09	3.34E-11	5.36E-09	1.43E-14	4.32E-14	2.5E-14	0	0	0	0	2.318E-12	3.2016E-08	5.36E-09	1.18862E-14	0	7.30191E-15	0
463	570350.6	4178519	0.55, 41785	0.12253	0.09413	80.98331	32.52203	13.49722	4.56123	5.1536E-11	2.49E-13	5.18E-11	3.41E-08	8.60E-11	3.41E-08	5.68E-09	3.57E-11	5.71E-09	1.6E-14	4.82E-14	2.79E-14	0	0	0	0	2.589E-12	3.4147E-08	5.71E-09	1.32796E-14	0	8.15788E-15	0
464	570390.6	4178519	0.55, 41785	0.13706	0.10653	86.4192	34.09518	14.4032	4.78567	5.76473E-11	2.82E-13	5.79E-11	3.63E-08	9.01E-11	3.64E-08	6.06E-09	3.81E-11	6.1E-09	1.79E-14	5.4E-14	3.12E-14	0	0	0	0	2.896E-12	3.6438E-08	6.1E-09	1.48552E-14	0	9.12578E-15	0
465	570430.6	4178519	0.55, 41785	0.15657	0.12308	93.48729	36.56809	15.58121	5.11226	6.58532E-11	3.25E-13	6.62E-11	3.93E-08	9.67E-11	3.94E-08	6.55E-09	4.12E-11	6.59E-09	2.04E-14	6.17E-14	3.57E-14	0	0	0	0	3.309E-12	3.9417E-08	6.59E-09	1.69707E-14	0	1.04254E-14	0
466	570470.6	4178519	0.55, 41785	0.18113	0.14422	101.65142	39.2669	16.9419	5.47129	7.61831E-11	3.81E-13	7.66E-11	4.28E-08	1.04E-10	4.29E-08	7.13E-09	4.48E-11	7.17E-09	2.36E-14	7.13E-14	4.13E-14	0	0	0	0	3.828E-12	4.2858E-08	7.17E-09	1.9634E-14	0	1.20615E-14	0
467	570510.6	4178519	0.55, 41785	0.21556	0.17373	112.42418	43.21366	18.73736	6.23491	9.06643E-11	4.59E-13	9.11E-11	4.73E-08	1.14E-10	4.74E-08	7.88E-09	4.95E-11	7.93E-09	2.81E-14	8.49E-14	4.91E-14	0	0	0	0	4.556E-12	4.74E-08	7.93E-09	2.33676E-14	0	1.43551E-14	0
468	570550.6	4178519	0.55, 41785	0.26244	0.21401	127.39838	48.06291	20.89373	7.26318	1.10382E-10	5.66E-13	1.11E-10	5.36E-08	1.27E-10	5.37E-08	8.79E-09	5.52E-11	8.84E-09	3.42E-14	1.03E-13	5.98E-14	0	0	0	0	5.547E-12	5.3711E-08	8.84E-09	2.84512E-14	0	1.74781E-14	0
469	570590.6	4178519	0.55, 41785	0.32438	0.26815	146.74921	52.55391	23.05175	8.49659	1.36434E-10	7.09E-13	1.37E-10	6.17E-08	1.39E-10	6.19E-08	9.7E-09	6.09E-11	9.76E-09	4.23E-14	1.28E-13	7.4E-14	0	0	0	0	6.857E-12	6.1861E-08	9.76E-09	3.51686E-14	0	2.16047E-14	0
470	570630.6	4178519	0.55, 41785	0.41604	0.34788	170.82398	60.03664	25.41079	10.076	1.74986E-10	9.19E-13	1.76E-10	7.18E-08	1.59E-10	7.2E-08	1.07E-08	6.72E-11	1.08E-08	5.43E-14	1.64E-13	9.49E-14	0	0	0	0	8.795E-12	7.2007E-08	1.08E-08	4.51089E-14	0	2.77111E-14	0
471	570670.6	4178759	0.55, 41785	0.56352	0.47347	210.6175	71.54419	27.95974	12.2085	2.37016E-10	1.25E-12	2.38E-10	8.86E-08	1.89E-10	8.88E-08	1.18E-08	7.39E-11	1.18E-08	7.35E-14	2.22E-13	1.29E-13	0	0	0	0	1.191E-11	8.8775E-08	1.18E-08	6.11009E-14	0	3.75353E-14	0
472	570710.6	4178519	0.55, 41785	0.82936	0.69158	257.30872	94.91316	32.16359	16.3308	3.48828E-10	1.83E-12	3.51E-10	1.08E-07	2.51E-10	1.08E-07	1.35E-08	8.50E-11	1.36E-08	1.08E-13	3.27E-13	1.89E-13	0	0	0	0	1.753E-11	1.0847E-07	1.36E-08	8.99216E-14	0	5.52403E-14	0
473	570750.6	4178519	0.55, 41785	1.36529	1.13262	327.60111	130.96882	45.80096	29.91109	5.7424E-10	2.99E-12	5.77E-10	1.38E-07	3.46E-10	1.38E-07	1.93E-08	1.21E-10	1.94E-08	1.78E-13	5.38E-13	3.11E-13	0	0	0	0	2.886E-11	1.3813E-07	1.94E-08	1.48025E-13	0	9.0934E-14	0
474	570790.6	4178519	0.55, 41785	2.09469	1.90095	339.24086	174.34023	59.4987	49.70987	8.81024E-10	5.02E-12	8.86E-10	1.43E-07	4.61E-10	1.43E-07	2.5E-08	1.57E-10	2.52E-08	2.73E-13	8.26E-13	4.78E-13	0	0	0	0	4.43E-11	1.4315E-07	2.52E-08	2.27217E-13	0	1.39583E-13	0
475	570990.6	4178519	0.55, 41785	30.9381	16.28557	1645.60932	278.46944	444.29015	131.46412	1.30125E-08	4.30E-11	1.31E-08	6.92E-07	7.36E-10	6.93E-07	1.87E-07	1.17E-09	1.88E-07	4.03E-12	1.22E-11	7.04E-12	0	0	0	0	6.528E-10	6.9288E-07	1.88E-07	3.34795E-12	0	2.0567E-12	0
476	571030.6	4178519	0.55, 41785	10.39533	8.05295	575.07494	188.36146	130.51861	75.45666	4.37227E-09	2.13E-11	4.39E-09	2.42E-07	4.98E-10	2.42E-07	5.49E-08	3.45E-10	5.52E-08	1.36E-12	4.09E-12	2.37E-12	0	0	0	0	2.197E-10	2.4237E-07	5.52E-08	1.12667E-12	0	6.92134E-13	0
477	571070.6	4178519	0.55, 41785	5.62777	5.38206	327.13066	151.27996	61.45445	56.79768	2.36703E-09	1.42E-11	2.38E-09	1.38E-07	4.00E-10	1.38E-07	2.58E-08	1.62E-10	2.6E-08	7.35E-13	2.22E-12	1.28E-12	0	0	0	0	1.191E-10	1.3799E-07	2.6E-08	6.10646E-13	0	3.7513E-13	0
478	571110.6	4178519	0.55, 41785	3.70135	3.92679	194.51307	130.68512	41.68788	44.49195	1.55678E-09	1.04E-11	1.57E-09	8.18E-08	3.45E-10	8.22E-08	1.75E-08	1.10E-10	1.76E-08	4.84E-13	1.46E-12	8.45E-13	0	0	0	0	7.836E-11	8.2157E-08	1.76E-08	4.01881E-13	0	2.46882E-13	0
479	571150.6	4178519	0.55, 41785	2.69329	3.00723	208.02281	103.35418	30.40761	37.50867	1.1328E-09	7.95E-12	1.14E-09	8.75E-08	2.73E-10	8.78E-08	1.28E-08	8.04E-11	1.29E-08	3.52E-13	1.06E-12	6.15E-13	0	0	0	0	5.704E-11	8.7767E-08	1.29E-08	2.9253E-13	0	1.79706E-13	0
480	571190.6	4178519	0.55, 41785	2.08526	2.38411	205.94825	100.14217	32.90062	31.32752	8.77058E-10	6.30E-12	8.83E-10	8.66E-08	2.65E-10	8.69E-08	1.38E-08	8.70E-11	1.39E-08	2.73E-13	8.23E-13	4.76E-13	0	0	0	0	4.417E-11	8.6886E-08	1.39E-08	2.26527E-13	0	1.39159E-13	0
481	571230.6	4178519	0.55, 41785	1.66362	1.91731	215.41751	83.66277	30.77393	25.17962	6.99717E-10	5.07E-12	7.05E-10	9.06E-08	2.21E-10	9.08E-08	1.29E-08	8.13E-11	1.3E-08	2.17E-13	6.57E-13	3.8E-13	0	0	0	0	3.524E-11	9.0826E-08	1.3E-08	1.80734E-13	0	1.11028E-13	0
482	571270.6	4178519	0.55, 41785	1.38104	1.58176	194.90891	74.63088	31.16799	21.56574	5.80864E-10	4.18E-12	5.85E-10	8.2E-08	1.97E-10	8.22E-08	1.31E-08	8.24E-11	1.32E-08	1.81E-13	5.45E-13	3.16E-13	0	0	0	0	2.925E-11	8.2176E-08	1.32E-08	1.50028E-13	0	9.21646E-14	0
483	571310.6	4178519	0.55, 41785	1.18628	1.33473	227.7435	74.01926	34.0231	18.88588	4.98948E-10	3.53E-12	5.02E-10	9.58E-08	1.96E-10	9.6E-08	1.43E-08	8.99E-11	1.44E-08	1.55E-13	4.68E-13	2.71E-13	0	0	0	0	2.512E-11	9.5984E-08	1.44E-08	1.28854E-13	0	7.91572E-14	0
484	571350.6	4178519	0.55, 41785	1.02794	1.1349	186.21806	66.32591	28.09378	16.3212	4.32351E-10	3.00E-12	4.35E-10	7.83E-08	1.75E-10	7.85E-08	1.18E-08	7.43E-11	1.19E-08	1.34E-13	4.06E-13	2.35E-13	0	0	0	0	2.177E-11	7.8498E-08	1.19E-08	1.1164E-13	0	6.85825E-14	0
485	571390.6	4178519	0.55, 41785	0.88898	0.96986	165.64096	58.31983	23.55305	14.40747	3.73904E-10	2.56E-12	3.76E-10	6.97E-08	1.54E-10	6.98E-08	9.91E-09	6.23E-11	9.97E-09	1.16E-13	3.51E-13	2.03E-13	0	0	0	0	1.882E-11	6.9823E-08	9.97E-09	9.65407E-14	0	5.93065E-14	0
486	571430.6	4178519	0.55, 41785	0.7696	0.83467	166.81635	54.79876	23.72844	12.50769	3.23693E-10	2.21E-12	3.26E-10	7.02E-08	1.45E-10	7.03E-08	9.98E-09	6.27E-11	1E-08	1.01E-13	3.04E-13	1.76E-13	0	0	0	0	1.629E-11	7.0308E-08	1E-08	8.3573E-14	0	5.13403E-14	0
487	571470.6	4178519	0.55, 41785	0.67066	0.72494	138.40145	51.97552	19.82816	10.73341	2.82079E-10	1.92E-12	2.84E-10	5.82E-08	1.37E-10	5.83E-08	8.34E-09	5.24E-11	8.39E-09	8.76E-14	2.65E-13	1.53E-13	0	0	0	0	1.42E-11	5.8349E-08	8.39E-09	7.28272E-14	0	4.47389E-14	0
488	571510.6	4178519	0.55, 41785	0.58987	0.63439	93.94363	49.66848	13.736	9.50533	2.48099E-10	1.68E-12	2.5E-10	3.95E-08	1.31E-10	3.96E-08	5.78E-09	3.63E-11	5.81E-09	7.71E-14	2.33E-13	1.35E-13	0	0	0	0	1.249E-11	3.9644E-08	5.81E-09	6.4052E-14	0	3.93482E-14	0
489	571550.6	4178519	0.55, 41785	0.52422	0.55926	64.7066	47.53612	9.81761	8.44297	2.20486E-10	1.48E-12	2.22E-10	2.72E-08	1.26E-10	2.73E-08	4.13E-09	2.59E-11	4.16E-09	6.85E-14	2.07E-13	1.2E-13	0	0	0	0	1.11E-11	2.7341E-08	4.16E-09	5.69202E-14	0	3.4967E-14	0
490	571590.6	4178519	0.55, 41785	0.47148	0.49721	75.39988	45.27823	9.54319	7.49343	1.98304E-10	1.31E-12	2E-10	3.17E-08	1.20E-10	3.18E-08	4.01E-09	2.52E-11	4.04E-09	6.16E-14	1.86E-13	1.08E-13	0	0	0	0	9.981E-12	3.1833E-08	4.04E-09	5.11897E-14	0	3.14467E-14	0
491	570310.6	4178559	0.55, 41785	0.10731	0.08405	76.80272	30.54078	12.80045	4.19275	4.51345E-11	2.22E-13	4.54E-11	3.23E-08	8.07E-11	3.24E-08	5.38E-09	3.38E-11	5.42E-09	1.4E-14	4.23E-14	2.45E-14	0	0	0	0	2.268E-12	3.2384E-08	5.42E-09	1.16312E-14	0	7.14522E-15	0
492	570350.6	4178559	0.55, 41785	0.11907	0.09438	82.9813	31.5625	13.39224	4.31782	5.00807E-11	2.49E-13	5.03E-11	3.49E-08	8.34E-11	3.5E-08	5.63E-09	3.54E-11	5.67E-09	1.55E-14	4.69E-14	2.71E-14	0	0	0	0	2.517E-12	3.4985E-08	5.67E-09	1.29066E-14	0	7.92873E-15	0
493	570390.6	4178559	0.55, 41785	0.1339	0.10748	90.55746	32.83588	14.07263	4.47793	5.63182E-11	2.84E-13	5.66E-11	3.81E-08	8.68E-11	3.82E-08	5.92E-09	3.72E-11	5.96E-09	1.75E-14	5.27E-14	3.05E-14	0	0	0	0	2.83E-12	3.8175E-08	5.96E-09	1.4515E-14	0	8.9168E-15	0
494	570430.6	4178559	0.55, 41785	0.15297	0.12443	99.07784	34.42492	14.88754	4.68196	6.4339E-11	3.29E-13	6.47E-11	4.17E-08	9.10E-11	4.18E-08	6.26E-09	3.93E-11	6.3E-09	2E-14	6.03E-14	3.49E-14	0	0	0	0	3.233E-12	4.1763E-08	6.3E-09	1.65833E-14	0	1.01874E-14	0
495	570470.6	4178559	0.55, 41785	0.17711	0.14611	108.3811	37.13833	15.68816	5.10948	7.44923E-11	3.86E-13	7.49E-11	4.56E-08	9.82E-11	4.57E-08	6.6E-09	4.15E-11	6.64E-09	2.31E-14	6.98E-14	4.04E-14	0	0	0	0	3.744E-12	4.5683E-08	6.64E-09	1.92017E-14	0	1.17959E-14	0
496	570510.6	4178559	0.55, 41785	0.21022	0.1758	119.02071	41.74654	16.67371	5.7123	8.84183E-11	4.65E-13	8.89E-11	5.01E-08	1.10E-10	5.02E-08	7.01E-09	4.41E-11	7.06E-09	2.74E-14	8.28E-14	4.79E-14	0	0	0	0	4.444E-12	5.017E-08	7.06E-09	2.2793E-14	0	1.40021E-14	0
497	570550.6	4178559	0.55, 41785	0.25686	0.21737	138.81712	48.97119	17.78034	6.5378	1.08035E-10	5.75E-13	1.09E-10	5.84E-08	1.29E-10	5.85E-08	7.48E-09	4.70E-11	7.53E-09	3.35E-14	1.01E-13	5.86E-14	0	0	0	0	5.43E-12	5.8516E-08	7.53E-09	2.78517E-14	0	1.71097E-14	0
498	570590.6	4178559	0.55, 41785	0.31921	0.27311	158.95656	55.69599	19.86957	7.90259	1.34259E-10	7.22E-13	1.35E-10	6.69E-08	1.47E-10	6.7E-08	8.36E-09	5.25E-11	8.41E-09	4.17E-14	1.26E-13	7.28E-14	0	0	0	0	6.749E-12	6.7004E-08	8.41E-09	3.46144E-14	0	2.12642E-14	0
499	570630.6	4178559	0.55, 41785	0.41072	0.35398	180.38278	65.18573	22.54785	9.64997	1.72748E-10	9.36E-13	1.74E-10	7.59E-08	1.72E-10	7.6E-08	9.48E-09	5.96E-11	9.54E-09	5.36E-14	1.62E-13	9.37E-14	0	0	0	0	8.684E-12	7.6041E-08	9.54E-09	4.45392E-14	0	2.73612E-14	0
500	570670.6	4178559	0.55, 41785	0.55178	0.47716	218.05495	85.23197	27.25687	14.02323	2.32078E-10	1.26E-12	2.33E-10	9.17E-08	2.25E-10	9.19E-08	1.15E-08	7.20E-11	1.15E-08	7.2E-14	2.17E-13	1.26E-13	0	0	0	0	1.167E-11	9.1939E-08	1.15E-08	5.98371E-14	0	3.67589E-14	0
501	570710.6	4178559	0.55, 41785	0.78132	0.6809	244.71244	105.12049	32.595	21.74638	3.28622E-10	1.80E-12	3.3E-10	1.03E-07	2.78E-10	1.03E-07	1.37E-08	8.61E-11	1.38E-08	1.02E-13	3.08E-13	1.78E-13	0	0	0	0	1.652E-11	1.032E-07	1.38E-08	8.47329E-14	0	5.20528E-14	0
502	570750.6	4178559	0.55, 41785	1.13763	1.02831	276.33124	124.7524	39.47589	32.46528	4.78486E-10	2.72E-12	4.81E-10	1.16E-07	3.30E-10	1.17E-07	1.66E-08	1.04E-10	1.67E-08	1.48E-13	4.48E-13	2.6E-13	0	0	0	0	2.406E-11	1.1655E-07	1.67E-08	1.23399E-13	0	7.58061E-14	0
503	570790.6	4178559	0.55, 41785	1.48115	1.46435	285.306	157.20995	43.19026	42.97795	6.2297E-10	3.87E-12	6.27E-10	1.2E-07	4.16E-10	1.2E-07	1.82E-08	1.14E-10	1.83E-08	1.93E-13	5.84E-13	3.38E-13	0	0	0	0	3.134E-11	1.2041E-07	1.83E-08	1.60746E-13	0	9.87488E-14	0
504	570830.6	4178559	0.55, 41785	2.67811	2.99292	342.02881	178.80856	66.23843	64.34565	1.12641E-09	7.91E-12	1.13E-09	1.44E-07	4.73E-10	1.44E-07	2.79E-08	1.75E-10	2.8E-08	3.5E-13	1.06E-12	6.12E-13	0	0	0	0	5.672E-11	1.4433E-07	2.8E-08	2.90883E-13	0	1.78694E-13	0
505	570950.6	4178559	0.55, 41785	26.55575	12.00196	679.01352	318.67052	280.37281	116.3834	1.11693E-08	3.17E-11	1.12E-08	2.86E-07	8.42E-10	2.86E-07	1.18E-07	7.41E-10	1.19E-07	3.46E-12	1.04E-11	6.04E-12	0	0	0	0	5.601E-10	2.8643E-07	1.19E-07	2.87238E-12	0	1.76455E-12	0
506	570990.6	4178559	0.55, 41785	10.52141	6.96087	639.29991	205.65266	133.52138	75.6432	4.42529E-09	1.84E-11	4.44E-09	2.69E-07	5.44E-10	2.69E-07	5.62E-08	3.53E-10	5.65E-08	1.37E-12	4.14E-12	2.4E-12	0	0	0	0	2.222E-10	2.6943E-07	5.65E-08	1.13953E-12	0	7.00034E-13	0
507	571030.6	4178559	0.55, 41785	6.12086	4.69941	562.31532	143.87555	97.52112	53.65332	2.57443E-09	1.24E-11	2.59E-09	2.37E-07	3.80E-10	2.37E-07	4.1E-08	2.58E-10	4.13E-08	7.98E-13	2.41E-12	1.4E-12	0	0	0	0	1.293E-10	2.3689E-07	4.13E-08	6.63367E-13	0	4.07517E-13	0
508	571070.6	4178559	0.55, 41785	4.00501	3.46908	291.75499	122.4909	69.10596	41.80504	1.6845E-09	9.17E-12	1.69E-09	1.23E-07	3.24E-10	1.23E-07	2.91E-08	1.83E-10	2.92E-08	5.23E-13	1.58E-12	9.14E-13	0	0	0	0	8.468E-11	1.2304E-07	2.92E-08	4.34322E-13	0	2.66811E-13	0
509	571110.6	4178559	0.55, 41785	2.89394	2.70355	288.47324	105.99812	48.03981	36.46899	1.21719E-09	7.15E-12	1.22E-09	1.21E-07	2.80E-10	1.22E-07	2.02E-08	1.27E-10	2.03E-08	3.78E-13	1.14E-12	6.6E-13	0	0	0	0	6.122E-11	1.2161E-07	2.03E-08	3.13966E-13	0	1.92874E-13	0
510	571150.6	4178559	0.55, 41785	2.21115	2.17534	240.56187	97.79178	31.90722	30.3701	9.30007E-10	5.75E-12	9.36E-10	1.01E-07	2.58E-10	1.01E-07	1.34E-08	8.43E-11	1.35E-08	2.89E-13	8.72E-13	5.05E-13	0	0	0	0	4.679E-11	1.0144E-07	1.35E-08	2.39964E-13	0	1.47414E-13	0
511	571190.6	4178559	0.55, 41785	1.76303	1.79806	177.14345	83.63267	24.55859	26.34777	7.41529E-10	4.75E-12	7.46E-10	7.45E-08	2.21E-10	7.47E-08	1.03E-08	6.49E-11	1.04E-08	2.3E-13	6.95E-13	4.03E-13	0	0	0	0	3.731E-11	7.4727E-08	1.04E-08	1.91375E-13	0	1.17565E-13	0
512	571230.6	4178559	0.55, 41785	1.44054	1.50665	192.87207	80.98435	29.09943	22.26218	6.0589E-10	3.98E-12	6.1E-10	8.11E-08	2.14E-10	8.13E-08	1.22E-08	7.69E-11	1.23E-08	1.88E-13	5.68E-13	3.29E-13	0	0	0	0	3.049E-11	8.1336E-08	1.23E-08	1.56395E-13	0	9.60757E-14	0
513	571270.6	4178559	0.55, 41785	1.19178	1.27042	167.21575	71.42327	22.32638	19.23301	5.01261E-10	3.36E-12	5.05E-10	7.03E-08	1.89E-10	7.05E-08	9.39E-09	5.90E-11	9.45E-09	1.56E-13	4.7E-13	2.72E-13	0	0	0	0	2.523E-11	7.052E-08	9.45E-09	1.29404E-13	0	7.94948E-14	0

514	571310.6	4178559	0.55, 41785	1.01245	1.08581	169.23295	65.49002	26.6418	16.91234	4.25835E-10	2.87E-12	4.29E-10	7.12E-08	1.73E-10	7.14E-08	1.12E-08	7.04E-11	1.13E-08	1.32E-13	3.99E-13	2.31E-13	0	0	0	0	2.144E-11	7.1352E-08	1.13E-08	1.09936E-13	0	6.75358E-14	0
515	571350.6	4178559	0.55, 41785	0.8838	0.94242	194.09519	63.64749	28.90026	14.99354	3.71725E-10	2.49E-12	3.74E-10	8.16E-08	1.68E-10	8.18E-08	1.22E-08	7.64E-11	1.22E-08	1.15E-13	3.49E-13	2.02E-13	0	0	0	0	1.871E-11	8.1804E-08	1.22E-08	9.59634E-14	0	5.89519E-14	0
516	571390.6	4178559	0.55, 41785	0.78025	0.82372	158.10154	57.98385	23.81897	12.89204	3.28172E-10	2.18E-12	3.3E-10	6.65E-08	1.53E-10	6.67E-08	1E-08	6.30E-11	1.01E-08	1.02E-13	3.08E-13	1.78E-13	0	0	0	0	1.652E-11	6.6651E-08	1.01E-08	8.47143E-14	0	5.20414E-14	0
517	571430.6	4178559	0.55, 41785	0.68512	0.72115	137.68904	52.2569	18.93914	11.62385	2.88161E-10	1.91E-12	2.9E-10	5.79E-08	1.38E-10	5.8E-08	7.97E-09	5.01E-11	8.02E-09	8.95E-14	2.7E-13	1.56E-13	0	0	0	0	1.45E-11	5.805E-08	8.02E-09	7.43842E-14	0	4.56955E-14	0
518	571470.6	4178559	0.55, 41785	0.60049	0.63425	143.56241	49.93475	19.90478	10.29716	2.52565E-10	1.68E-12	2.54E-10	6.04E-08	1.32E-10	6.05E-08	8.37E-09	5.26E-11	8.42E-09	7.85E-14	2.37E-13	1.37E-13	0	0	0	0	1.271E-11	6.0514E-08	8.42E-09	6.51974E-14	0	4.00518E-14	0
519	571510.6	4178559	0.55, 41785	0.52736	0.56045	131.02036	47.72087	18.26486	8.99798	2.21807E-10	1.48E-12	2.23E-10	5.51E-08	1.26E-10	5.52E-08	7.68E-09	4.83E-11	7.73E-09	6.89E-14	2.08E-13	1.2E-13	0	0	0	0	1.116E-11	5.5233E-08	7.73E-09	5.72597E-14	0	3.51756E-14	0
520	571550.6	4178559	0.55, 41785	0.46874	0.49944	99.50634	45.73793	14.05158	8.03042	1.97152E-10	1.32E-12	1.98E-10	4.19E-08	1.21E-10	4.2E-08	5.91E-09	3.71E-11	5.95E-09	6.12E-14	1.85E-13	1.07E-13	0	0	0	0	9.924E-12	4.1973E-08	5.95E-09	5.08957E-14	0	3.12661E-14	0
521	571590.6	4178559	0.55, 41785	0.42104	0.44786	63.39282	43.98321	9.17705	7.35207	1.77089E-10	1.18E-12	1.78E-10	2.67E-08	1.16E-10	2.68E-08	3.86E-09	2.43E-11	3.88E-09	5.5E-14	1.66E-13	9.62E-14	0	0	0	0	8.914E-12	2.6779E-08	3.88E-09	4.5716E-14	0	2.80841E-14	0
522	570310.6	4178599	0.55, 41785	0.10507	0.08466	83.25071	28.48032	11.19876	3.62883	4.41923E-11	2.24E-13	4.44E-11	3.5E-08	7.53E-11	3.51E-08	4.71E-09	2.96E-11	4.74E-09	1.37E-14	4.14E-14	2.4E-14	0	0	0	0	2.221E-12	3.509E-08	4.74E-09	1.139E-14	0	6.99706E-15	0
523	570350.6	4178599	0.55, 41785	0.11716	0.09561	88.57329	30.33455	11.44069	3.79182	4.92774E-11	2.53E-13	4.95E-11	3.73E-08	8.02E-11	3.73E-08	4.81E-09	3.02E-11	4.84E-09	1.53E-14	4.61E-14	2.67E-14	0	0	0	0	2.477E-12	3.7334E-08	4.84E-09	1.27014E-14	0	7.80268E-15	0
524	570390.6	4178599	0.55, 41785	0.13131	0.10865	93.2639	32.45644	11.65799	4.05706	5.52289E-11	2.87E-13	5.55E-11	3.92E-08	8.58E-11	3.93E-08	4.9E-09	3.08E-11	4.93E-09	1.71E-14	5.17E-14	2.99E-14	0	0	0	0	2.776E-12	3.9312E-08	4.93E-09	1.42364E-14	0	8.74567E-15	0
525	570430.6	4178599	0.55, 41785	0.15022	0.126	103.53542	36.02365	12.94193	4.50296	6.31824E-11	3.33E-13	6.35E-11	4.35E-08	9.52E-11	4.36E-08	5.44E-09	3.42E-11	5.48E-09	1.96E-14	5.92E-14	3.43E-14	0	0	0	0	3.176E-12	4.3642E-08	5.48E-09	1.62878E-14	0	1.00059E-14	0
526	570470.6	4178599	0.55, 41785	0.17421	0.14819	115.63183	39.91557	14.45398	5.34922	7.32725E-11	3.92E-13	7.37E-11	4.86E-08	1.05E-10	4.87E-08	6.08E-09	3.82E-11	6.12E-09	2.27E-14	6.86E-14	3.97E-14	0	0	0	0	3.683E-12	4.874E-08	6.12E-09	1.88903E-14	0	1.16046E-14	0
527	570510.6	4178599	0.55, 41785	0.20799	0.17912	128.15759	44.54205	16.0197	6.36274	8.74804E-11	4.73E-13	8.8E-11	5.39E-08	1.18E-10	5.4E-08	6.74E-09	4.23E-11	6.78E-09	2.71E-14	8.19E-14	4.74E-14	0	0	0	0	4.398E-12	5.4021E-08	6.78E-09	2.25547E-14	0	1.38557E-14	0
528	570550.6	4178599	0.55, 41785	0.25382	0.22088	141.74172	51.90419	17.71771	7.41488	1.06756E-10	5.84E-13	1.07E-10	5.96E-08	1.37E-10	5.98E-08	7.45E-09	4.68E-11	7.5E-09	3.31E-14	1E-13	5.79E-14	0	0	0	0	5.367E-12	5.9754E-08	7.5E-09	2.75262E-14	0	1.69098E-14	0
529	570590.6	4178599	0.55, 41785	0.31442	0.27626	161.8077	62.94071	20.22596	8.27119	1.32245E-10	7.30E-13	1.33E-10	6.81E-08	1.66E-10	6.82E-08	8.51E-09	5.35E-11	8.56E-09	4.1E-14	1.24E-13	7.17E-14	0	0	0	0	6.649E-12	6.8223E-08	8.56E-09	3.40999E-14	0	2.09481E-14	0
530	570630.6	4178599	0.55, 41785	0.39904	0.35395	187.04764	77.01967	23.38095	12.20463	1.67836E-10	9.35E-13	1.69E-10	7.87E-08	2.04E-10	7.89E-08	9.83E-09	6.18E-11	9.9E-09	5.21E-14	1.57E-13	9.1E-14	0	0	0	0	8.439E-12	7.8876E-08	9.9E-09	4.32794E-14	0	2.65873E-14	0
531	570670.6	4178599	0.55, 41785	0.52025	0.46779	203.91154	89.67976	27.18561	17.16092	2.18817E-10	1.24E-12	2.2E-10	8.58E-08	2.37E-10	8.6E-08	1.14E-08	7.19E-11	1.15E-08	6.79E-14	2.05E-13	1.19E-13	0	0	0	0	1.1E-11	8.6002E-08	1.15E-08	5.643E-14	0	3.46659E-14	0
532	570710.6	4178599	0.55, 41785	0.68748	0.63563	226.5911	101.22552	32.37016	22.387	2.89153E-10	1.68E-12	2.91E-10	9.53E-08	2.68E-10	9.56E-08	1.36E-08	8.56E-11	1.37E-08	8.97E-14	2.71E-13	1.57E-13	0	0	0	0	1.454E-11	9.5572E-08	1.37E-08	7.45808E-14	0	4.58162E-14	0
533	570750.6	4178599	0.55, 41785	0.91976	0.89022	243.41497	114.05895	34.77357	31.00996	3.8685E-10	2.35E-12	3.89E-10	1.02E-07	3.01E-10	1.03E-07	1.46E-08	9.19E-11	1.47E-08	1.2E-13	3.63E-13	2.1E-13	0	0	0	0	1.946E-11	1.0268E-07	1.47E-08	9.98066E-14	0	6.13128E-14	0
534	570790.6	4178599	0.55, 41785	1.20615	1.22781	261.32328	130.44037	39.31654	39.06207	5.07305E-10	3.25E-12	5.11E-10	1.1E-07	3.45E-10	1.1E-07	1.65E-08	1.04E-10	1.66E-08	1.58E-13	4.76E-13	2.75E-13	0	0	0	0	2.553E-11	1.1026E-07	1.66E-08	1.30925E-13	0	8.04292E-14	0
535	570830.6	4178599	0.55, 41785	1.86035	2.06593	307.79075	158.37727	57.33573	51.17396	7.82461E-10	5.46E-12	7.88E-10	1.29E-07	4.19E-10	1.3E-07	2.41E-08	1.52E-10	2.43E-08	2.43E-13	7.34E-13	4.25E-13	0	0	0	0	3.94E-11	1.2988E-07	2.43E-08	2.02053E-13	0	1.24125E-13	0
536	570870.6	4178599	0.55, 41785	2.81953	3.8452	429.66876	238.19724	77.96533	87.47681	1.18589E-09	1.02E-11	1.2E-09	1.81E-07	6.30E-10	1.81E-07	3.28E-08	2.06E-10	3.3E-08	3.69E-13	1.11E-12	6.45E-13	0	0	0	0	5.98E-11	1.8135E-07	3.3E-08	3.06714E-13	0	1.8842E-13	0
537	570910.6	4178599	0.55, 41785	4.21414	6.38342	555.65098	273.48442	124.98504	103.73159	1.77246E-09	1.69E-11	1.79E-09	2.34E-07	7.23E-10	2.34E-07	5.26E-08	3.30E-10	5.29E-08	5.52E-13	1.67E-12	9.65E-13	0	0	0	0	8.947E-11	2.3443E-07	5.29E-08	4.58854E-13	0	2.81881E-13	0
538	570950.6	4178599	0.55, 41785	4.59898	4.54538	563.80012	195.03038	96.52509	58.5202	1.93433E-09	1.20E-11	1.95E-09	2.37E-07	5.15E-10	2.38E-07	4.06E-08	2.55E-10	4.09E-08	6.01E-13	1.81E-12	1.05E-12	0	0	0	0	9.732E-11	2.3765E-07	4.09E-08	4.99116E-13	0	3.06615E-13	0
539	570990.6	4178599	0.55, 41785	3.82228	3.4158	387.45867	157.86758	74.93195	45.58999	1.60765E-09	9.03E-12	1.62E-09	1.63E-07	4.17E-10	1.63E-07	3.15E-08	1.98E-10	3.17E-08	4.99E-13	1.51E-12	8.72E-13	0	0	0	0	8.083E-11	1.6338E-07	3.17E-08	4.14578E-13	0	2.54682E-13	0
540	571030.6	4178599	0.55, 41785	3.02247	2.69987	442.17309	124.03841	67.82636	38.72372	1.27125E-09	7.14E-12	1.28E-09	1.86E-07	3.28E-10	1.86E-07	2.85E-08	1.79E-10	2.87E-08	3.94E-13	1.19E-12	6.9E-13	0	0	0	0	6.392E-11	1.8631E-07	2.87E-08	3.27827E-13	0	2.01389E-13	0
541	571070.6	4178599	0.55, 41785	2.43201	2.20804	323.32852	105.96293	49.87717	32.54487	1.0229E-09	5.84E-12	1.03E-09	1.36E-07	2.80E-10	1.36E-07	2.1E-08	1.32E-10	2.11E-08	3.17E-13	9.59E-13	5.55E-13	0	0	0	0	5.144E-11	1.3627E-07	2.11E-08	2.63808E-13	0	1.62061E-13	0
542	571110.6	4178599	0.55, 41785	1.9361	1.83698	285.52756	89.63178	42.26506	28.59229	8.14322E-10	4.86E-12	8.19E-10	1.2E-07	2.37E-10	1.2E-07	1.78E-08	1.12E-10	1.79E-08	2.53E-13	7.63E-13	4.42E-13	0	0	0	0	4.096E-11	1.2033E-07	1.79E-08	2.10068E-13	0	1.29048E-13	0
543	571150.6	4178599	0.55, 41785	1.58315	1.55537	182.41041	88.91432	29.75311	25.20352	6.65871E-10	4.11E-12	6.7E-10	7.67E-08	2.35E-10	7.7E-08	1.25E-08	7.86E-11	1.26E-08	2.07E-13	6.24E-13	3.61E-13	0	0	0	0	3.35E-11	7.6957E-08	1.26E-08	1.71809E-13	0	1.05545E-13	0
544	571190.6	4178599	0.55, 41785	1.33739	1.33597	189.26194	77.8274	24.55337	21.99349	5.62505E-10	3.53E-12	5.66E-10	7.96E-08	2.06E-10	7.98E-08	1.03E-08	6.49E-11	1.04E-08	1.75E-13	5.27E-13	3.05E-13	0	0	0	0	2.83E-11	7.9809E-08	1.04E-08	1.45153E-13	0	8.917E-14	0
545	571230.6	4178599	0.55, 41785	1.14183	1.1549	177.02423	70.01737	25.42204	18.83046	4.80253E-10	3.05E-12	4.83E-10	7.45E-08	1.85E-10	7.46E-08	1.07E-08	6.72E-11	1.08E-08	1.49E-13	4.5E-13	2.61E-13	0	0	0	0	2.417E-11	7.4641E-08	1.08E-08	1.23938E-13	0	7.61371E-14	0
546	571270.6	4178599	0.55, 41785	0.97959	1.00523	160.46118	68.49541	22.92303	16.81937	4.12015E-10	2.66E-12	4.15E-10	6.75E-08	1.81E-10	6.77E-08	9.64E-09	6.06E-11	9.7E-09	1.28E-13	3.86E-13	2.24E-13	0	0	0	0	2.073E-11	6.7671E-08	9.7E-09	1.06338E-13	0	6.53249E-14	0
547	571310.6	4178599	0.55, 41785	0.84011	0.87488	131.92842	62.86665	16.49105	15.16442	3.53349E-10	2.31E-12	3.56E-10	5.55E-08	1.66E-10	5.57E-08	6.94E-09	4.36E-11	6.98E-09	1.1E-13	3.31E-13	1.92E-13	0	0	0	0	1.778E-11	5.5655E-08	6.98E-09	9.12053E-14	0	5.60289E-14	0
548	571350.6	4178599	0.55, 41785	0.73896	0.77159	149.85158	58.69155	22.55392	13.49962	3.10806E-10	2.04E-12	3.13E-10	6.3E-08	1.55E-10	6.32E-08	9.49E-09	5.96E-11	9.55E-09	9.65E-14	2.91E-13	1.69E-13	0	0	0	0	1.564E-11	6.3183E-08	9.55E-09	8.02255E-14	0	4.92838E-14	0
549	571390.6	4178599	0.55, 41785	0.661	0.68563	168.50279	56.32456	24.41155	12.10471	2.78016E-10	1.81E-12	2.8E-10	7.09E-08	1.49E-10	7.1E-08	1.03E-08	6.45E-11	1.03E-08	8.63E-14	2.61E-13	1.51E-13	0	0	0	0	1.399E-11	7.1021E-08	1.03E-08	7.17586E-14	0	4.40825E-14	0
550	571430.6	4178599	0.55, 41785	0.59511	0.61204	136.17098	51.76249	20.03651	10.61326	2.50303E-10	1.62E-12	2.52E-10	5.73E-08	1.37E-10	5.74E-08	8.43E-09	5.30E-11	8.48E-09	7.77E-14	2.35E-13	1.36E-13	0	0	0	0	1.26E-11	5.741E-08	8.48E-09	6.4602E-14	0	3.96861E-14	0
551	571470.6	4178599	0.55, 41785	0.53051	0.54561	117.9441	47.17442	16.84916	9.40387	2.23132E-10	1.44E-12	2.25E-10	4.96E-08	1.25E-10	4.97E-08	7.09E-09	4.45E-11	7.13E-09	6.93E-14	2.09E-13	1.21E-13	0	0	0	0	1.123E-11	4.9732E-08	7.13E-09	5.75894E-14	0	3.53781E-14	0
552	571510.6	4178599	0.55, 41785	0.47218	0.48877	120.07824	45.51387	16.38718	8.49605	1.98598E-10	1.29E-12	2E-10	5.05E-08	1.20E-10	5.06E-08	6.89E-09	4.33E-11	6.94E-09	6.17E-14	1.86E-13	1.08E-13	0	0	0	0	9.995E-12	5.0625E-08	6.94E-09	5.12595E-14	0	3.14896E-14	0
553	571550.6	4178599	0.55, 41785	0.42043	0.43954	119.99429	43.92883	16.43506	7.56489	1.76832E-10	1.16E-12	1.78E-10	5.05E-08	1.16E-10	5.06E-08	6.91E-09	4.34E-11	6.96E-09	5.49E-14	1.66E-13	9.6E-14	0	0	0	0	8.9E-12	5.0586E-08	6.96E-09	4.56445E-14	0	2.80402E-14	0
554	571590.6	4178599	0.55, 41785	0.37632	0.39688	100.33698	42.40478	13.86046	7.00095	1.5828E-10	1.05E-12	1.59E-10	4.22E-08	1.12E-10	4.23E-08	5.83E-09	3.66E-11	5.87E-09	4.92E-14	1.48E-13	8.59E-14	0	0	0	0	7.966E-12	4.2314E-08	5.87E-09	4.0858E-14	0	2.50997E-14	0
555	570310.6	4178639	0.55, 41786	0.10356	0.08559	83.92303	29.66661	10.49038	3.70833	4.35572E-11	2.26E-13	4.38E-11	3.53E-08	7.84E-11	3.54E-08	4.41E-09	2.77E-11	4.44E-09	1.35E-14	4.08E-14	2.36E-14	0	0	0	0	2.189E-12	3.5376E-08	4.44E-09	1.12278E-14	0	6.89739E-15	0
556	570350.6	4178639	0.55, 41786	0.1161	0.09716	92.63397	32.60646	11.57925	4.08084	4.88315E-11	2.57E-13	4.91E-11	3.9E-08	8.62E-11	3.9E-08	4.87E-09	3.06E-11	4.9E-09	1.51E-14	4.57E-14	2.65E-14	0	0	0	0	2.454E-12	3.9048E-08	4.9E-09	1.25881E-14	0	7.73309E-15	0
557	570390.6	4178639	0.55, 41786	0.13068	0.11086	100.54346	34.97331	12.56793	4.70976	5.49639E-11	2.93E-13	5.53E-11	4.23E-08	9.24E-11	4.24E-08	5.29E-09	3.32E-11	5.32E-09	1.71E-14	5.15E-14	2.98E-14	0	0	0	0	2.763E-12	4.2381E-08	5.32E-09	1.417E-14	0	8.70485E-15	0
558	570430.6	4178639	0.55, 41786	0.14929	0.12834	107.49924	37.52244	13.4374	5.36035	6.27912E-11	3.39E-13	6.31E-11	4.52E-08	9.92E-11	4.53E-08	5.65E-09	3.55E-11	5.69E-09	1.95E-14	5.88E-14	3.41E-14	0	0	0	0	3.157E-12	4.5313E-08	5.69E-09	1.61891E-14	0	9.9452E-15	0
559	570470.6	4178639	0.55, 41786	0.17443	0.15183	116.62505	42.4162	14.57813	6.05946	7.33651E-11	4.01E-13	7.38E-11	4.91E-08	1.12E-10	4.92E-08	6.13E-09	3.85E-11	6.17E-09	2.28E-14	6.87E-14	3.98E-14	0	0	0	0	3.688E-12	4.9164E-08	6.17E-09	1.89165E-14	0	1.16207E-14	0
560	570510.6	4178639	0.55, 41786	0.20768	0.18277	127.00459	48.18252	15.87557	6.71257	8.735E-11	4.83E-13	8.78E-11	5.34E-08	1.27E-10	5.35E-08	6.68E-09	4.20E-11	6.72E-09	2.71E-14	8.18E-14	4.74E-14	0	0	0	0	4.392E-12	5.3545E-08	6.72E-09	2.25238E-14	0	1.38367E-14	0
561	570550.6	4178639	0.55, 41786	0.2504	0.22269	148.76746	59.99627	18.59593	7.58374	1.05318E-10	5.89E-13	1.06E-10	6.26E-08	1.59E-10	6.27E-08	7.82E-09	4.91E-11	7.87E-09	3.27E-14	9.87E-14	5.71E-14	0	0	0	0	5.295E-12	6.273E-08	7.87E-09	2.71585E-14	0	1.66839E-14	0
562	570590.6	4178639	0.55, 41786	0.30521	0.27478	162.38276	69.4472	20.29784	10.74133	1.28371E-10	7.26E-13	1.29E-10	6.83E-08	1.84E-10	6.85E-08	8.54E-09	5.36E-11	8.59E-09	3.98E-14	1.2E-13	6.96E-14	0	0	0	0	6.455E-12	6.8482E-08	8.59E-09	3.31055E-14	0	2.03372E-14	0
563	570630.6	4178639	0.55, 41786	0.37839	0.34592	177.15033	78.68271	23.7109	14.16715	1.5915E-10	9.14E-13	1.6E-10	7.45E-08	2.08E-10	7.47E-08	9.97E-09	6.27E-11	1E-08	4.94E-14	1.49E-13	8.63E-14	0	0	0	0	8.003E-12	7.4717E-08	1E-08	4.10467E-14	0	2.52157E-14	0
564	570670.6	4178639	0.55, 41786	0.47152	0.44129	194.04584	86.02037	27.72083	17.24466	1.98321E-10	1.17E-12	1.99E-10	8.16E-08	2.27E-10	8.18E-08	1.17E-08	7.33E-11	1.17E-08	6.16E-14	1.86E-13	1.08E-13	0	0	0	0	9.974E-12	8.1843E-08	1.17E-08	5.11562E-14	0	3.14261E-14	0
565	570710.6	4178639	0.55, 41786	0.59058	0.57043	207.44684	93.90742	29.63526	21.88085	2.48397E-10	1.51E-12	2.5E-10	8.73E-08	2.48E-10	8.75E-08	1.25E-08	7.83E-11	1.25E-08	7.71E-14	2.33E-13	1.35E-13	0	0	0	0	1.25E-11	8.75E-08	1.25E-08	6.40852E-14	0	3.93686E-14	0
566	570750.6	4178639	0.55, 41786	0.7421	0.74424	219.27007	107.04803	31.3243	27.05481	3.12126E-10	1.97E-12	3.14E-10	9.22E-08	2.83E-10	9.25E-08	1.32E-08	8.28E-11	1.33E-08	9.69E-14	2.93E-13	1.69E-13	0	0	0	0	1.57E-11	9.2508E-08	1.33E-08	8.05456E-14	0	4.94805E-14	0
567	570790.6	4178639	0.55, 41786	0.94425	0.97087	237.37937	117.94026	33.01145	30.70173	3.97151E-10	2.57E-12	4E-10	9.98E-08	3.12E-10	1E-07	1.39E-08	8.73E-11	1.4E-08	1.23E-13	3.72E-13	2.16E-13	0	0	0	0	1.999E-11	1.0015E-07	1.4E-08	1.02503E-13	0	6.29691E-14	0
568	570830.6	4178639	0.55, 41786	1.23329	1.33292	295.25944	130.22679	42.69044	39.99654	5.18721E-10	3.52E-12	5.22E-10	1.24E-07	3.44E-10	1.25E-07	1.8E-08	1.13E-10	1.81E-08	1.61E-13	4.87E-13	2.82E-13	0	0	0	0	2.611E-11	1.2453E-07	1.81E-08	1.33923E-13	0	8.22712E-14	0
569	570870.6	4178639	0.55, 41786	1.50989	1.73214	317.24906	188.19869	58.25942	53.82297	6.35058E-10	4.58E-12	6.4E-10	1.33E-07	4.97E-10	1.34E-07	2.45E-08	1.54E-10	2.47E-08	1.97E-13	5.96E-13	3.45E-13	0	0	0	0	3.198E-11	1.3393E-07	2.47E-08	1.64027E-13	0	1.00765E-13	0
570	570910.6	4178639	0.55, 41786	1.78259	1.99297	332.58479	179.86407	63.94152	52.98497	7.49756E-10	5.27E-12	7.55E-10	1.4E-07	4.75E-10	1.4E-07	2.69E-08	1.69E-10	2.71E-08	2.33E-13	7.03E-13	4.07E-13	0	0	0	0	3.775E-11	1.4036E-07	2.71E-08	1.93617E-13	0	1.18942E-13	0
571	570950.6	4178639	0.55, 41786	1.86524	1.94862	326.77204	147.92341	57.64661	41.4452	7.84518E-10	5.15E-12	7.9E-10	1.37E-07	3.91E-10	1.38E-07	2.42E-08	1.52E-10	2.44E-08	2.44E-13	7.36E-13	4.26E-13	0	0	0	0	3.948E-11	1.3783E-07	2.44E-08	2.02501E-13	0	1.244E-13	0
572	570990.6	4178639	0.55, 41786	1.76592	1.78245	311.73236	122.31574	43.80696	33.57582	7.42744E-10	4.71E-12	7.47E-10	1.31E-07	3.23E-10	1.31E-07	1.84E-08	1.16E-10	1.85E-08	2.31E-13	6.96E-13	4.03E-13	0	0	0	0	3.737E-11	1.3144E-07	1.85E-08	1.91676E-13	0	1.1775E-13	0
573	571030.6	4178639	0.55, 41786	1.5977	1.58915	263.38378	106.70114	40.88022	26.80487	6.71991E-10	4.20E-12	6.76E-10	1.11E-07	2.82E-10	1.11E-07	1.72E-08	1.08E-10	1.73E-08	2.09E-13	6.3E-13	3.65E-13	0	0	0	0	3.381E-11	1.1106E-07	1.73E-08	1.73401E-13	0	1.06523E-13	0
574	571070.6	4178639	0.55, 41786	1.42629	1.41473	323.91584	92.06505	44.84431	24.93328	5.99896E-10	3.74E-12	6.04E-10	1.36E-07	2.43E-10	1.36E-07	1.89E-08	1.19E-10	1.9E-08	1.86E-13	5.62E-13	3.26E-13	0	0	0	0	3.018E-11	1.3648E-07	1.9E-08	1.54795E-13	0	9.50932E-14	0
575	571110.6	4178639	0.55, 41786	1.27265	1.25146	231.49813	85.11921	34.4516	22.95032	5.35275E-10	3.31E-12	5.39E-10	9.74E-08	2.25E-10	9.76E-08	1.45E-08	9.11E-11	1.46E-08	1.66E-13	5.02E-13	2.9E-13	0	0	0	0	2.693E-11	9.7593E-08	1.46E-08	1.38113E-13	0	8.48453E-14	0
576	571150.6	4178639	0.55, 41786	1.10067	1.1079	235.36335	78.49538	33.92291	20.75102	4.62941E-10	2.93E-12	4.66E-10	9.9E-08	2.07E-10	9.92E-08	1.43E-08	8.97E-11	1.44E-08	1.44E-13	4.34E-13	2.51E-13	0	0	0	0	2.329E-11	9.9201E-08	1.44E-08	1.19467E-13	0	7.33903E-14	0
577	571190.6	4178639	0.55, 41786	0.96404	0.98605	150.10185	73.9658	22.00887	18.66835	4.05474E-10	2.61E-12	4.08E-10	6.31E-08	1.95E-10	6.33E-08	9.26E-09	5.82E-11	9.32E-09	1.26E-13	3.8E-13	2.2E-13	0	0	0	0	2.04E-11	6.3328E-08	9.32E-09	1.04647E-13	0	6.42866E-14	0
578	571230.6	4178639	0.55, 41786	0.85847	0.87787	130.71922	65.23747	20.98447	16.26127	3.61072E-10	2.32E-12	3.63E-10	5.5E-08	1.72E-10	5.52E-08	8.83E-09	5.55E-11	8.88E-09	1.12E-13	3.39E-13	1.96E-13	0	0	0	0	1.817E-11	5.5153E-08	8.88E-09	9.31876E-14	0	5.72467E-14	0
579	571270.6	4178639	0.55, 41786	0.76521	0.78388	147.71702	61.52416	22.46264	14.29709	3.21847E-10	2.07E-12	3.24E-10	6.21E-08	1.63E-10	6.23E-08	9.45E-09	5.94E-11	9.51E-09	1E-13	3.02E-13	1.75E-13	0	0	0	0	1.62E-11	6.2292E-08	9.51E-09	8.30651E-14	0	5.10282E-14	0
580	571310.6	4178639	0.55, 41786	0.67814	0.70066	136.41117	59.8434	17.34958	13.40052	2.85225E-10	1.85E-12	2.87E-10	5.74E-08	1.58E-10	5.75E-08	7.3E-09	4.59E-11	7.34E-09	8.86E-14	2.67E-13	1.55E-13	0	0	0	0	1.435E-11	5.7533E-08	7.34E-09	7.36175E-14	0	4.52244E-14	0
581	571350.6	4178639	0.55, 41786	0.60279	0.6273	124.67819	56.4143	15.58477	12.33978	2.53533E-10	1.66E-12	2.55E-10	5.24E-08	1.49E-10	5.26E-08	6.55E-09	4.12E-11	6.6E-09	7.87E-14	2.38E-13	1.38E-13	0	0	0	0	1.276E-11	5.2589E-08	6.6E-09	6.54407E-14	0	4.02013E-14	0
582	571390.6	4178639	0.55, 41786	0.54567	0.56561	134.64293	53.30447	19.4501	11.04071	2.29508E-10	1.49E-12	2.31E-10	5.66E-08	1.41E-10	5.68E-08	8.18E-09	5.14E-11	8.23E-09	7.13E-14	2.15E-13	1.25E-13	0	0	0	0	1.155E-11	5.6772E-08	8.23E-09	5.92381E-14	0	3.63909E-14	0
583	571430.6	4178639	0.55, 41786	0.50035	0.51255	147.79016	50.85435	20.77571	9.97795	2.10447E-10	1.35E-12	2.12E-10	6.22E-08	1.34E-10	6.23E-08	8.74E-09	5.49E-11	8.79E-09	6.54E-14	1.97E-13	1.14E-13	0	0	0	0	1.059E-11	6.2295E-08	8.79E-09	5.4314E-14	0	3.3366E-14	0
584	571470.6	4178639	0.55, 41786	0.45884	0.46513	118.76181	47.03177	16.94782	8.9119	1.92988E-10	1.23E-12	1.94E-10	5E-08	1.24E-10	5.01E-08	7.13E-09	4.48E-11	7.17E-09	5.99E-14	1.81E-13	1.05E-13	0	0	0	0	9.711E-12	5.0075E-08	7.17E-09	4.98047E-14	0	3.05958E-14	0
585	571510.6	4178639	0.55, 41786	0.41516	0.4204	105.04191	43.02213	15.00599	7.61313	1.74616E-10	1.11E-12	1.76E-10	4.42E-08	1.14E-10	4.43E-08	6.31E-09	3.97E-11	6.35E-09	5.42E-14	1.64E-13	9.48E-14	0	0	0	0	8.786E-12	4.4294E-08	6.35E-09	4.50631E-14	0	2.7683E-14	0
586	571550.6	4178639	0.55, 41786	0.37489	0.38245	101.59712	41.64808	13.25702	7.0054	1.57678E-10	1.01E-12	1.59E-10	4.27E-08	1.10E-10	4.28E-08	5.58E-09	3.50E-11	5.61E-09	4.9E-14	1.48E-13	8.56E-14	0	0	0	0	7.934E-12	4.2842E-08	5.61E-09	4.0694E-14	0	2.4999E-14	0
587	571590.6	4178639	0.55, 41786	0.33863	0.34937	106.83121	40.48294	14.45913	6.53587	1.42427E-10	9.23E-13	1.43E-10	4.49E-08	1.07E-10	4.5E-08	6.08E-09	3.82E-11	6.12E-09	4.42E-14	1.34E-13	7.73E-14	0	0	0	0	7.168E-12	4.504E-08	6.12E-09	3.67606E-14	0	2.25827E-14	0
588	570310.6	4178679	0.55, 41786	0.10291	0.0869	88.39628	30.98258	11.04953	4.21243	4.32838E-11	2.30E-13	4.35E-11	3.72E-08	8.19E-11	3.73E-08	4.65E-09	2.92E-11	4.68E-09	1.34E-14	4.05E-14	2.35E-14	0	0	0	0	2.176E-12	3.7261E-08	4.68E-09	1.11585E-14	0	6.85487E-15	0
589	570350.6	4178679	0.55, 41786	0.11574	0.09888	93.23081	33.32166	11.65385	4.76024	4.86801E-11	2.61E-13	4.89E-11	3.92E-08	8.81E-11	3.93E-08	4.9E-09	3.08E-11	4.93E-09	1.51E-14	4.56E-14	2.64E-14	0	0	0	0	2.447E-12	3.9301E-08	4.93E-09	1.25505E-14	0	7.70996E-15	0
590	570390.6	4178679	0.55, 41786	0.13137	0.11361	99.39798	36.831	12.42475	5.26157	5.52541E-11	3.00E-13	5.56E-11	4.18E-08	9.73E-11	4.19E-08	5.23E-09	3.28E-11	5.26E-09	1.71E-14	5.18E-14	3E-14	0	0	0	0	2.778E-12	4.1904E-08	5.26E-09	1.42463E-14	0	8.75171E-15	0
591	570430.6	4178679	0.55, 41786	0.15074	0.13191	105.99103	39.73692	13.24888	5.6767	6.34011E-11	3.49E-13	6.37E-11	4.46E-08	1.05E-10	4.47E-08	5.57E-09	3.50E-11	5.61E-09	1.97E-14	5.94E-14	3.44E-14	0	0	0	0	3.187E-12	4.4685E-08	5.61E-09	1.63479E-14	0	1.00428E-14	0
592	570470.6	4178679	0.55, 41786	0.17494	0.15487	121.69462	47.75873	15.21183	5.96984	7.35796E-11	4.09E-13	7.4E-11	5.12E-08	1.26E-10	5.13E-08	6.4E-09	4.02E-11	6.44E-09	2.28E-14	6.89E-14	3.99E-14	0	0	0	0	3.699E-12	5.1311E-08	6.44E-09	1.89736E-14	0	1.16558E-14	0
593	570510.6	4178679	0.55, 41786	0.2057	0.18414	135.37794	56.46386	16.92224	7.12807	8.65172E-11	4.87E-13	8.7E-11	5.69E-08	1.49E-10	5.71E-08	7.12E-09	4.47E-11	7.16E-09	2.68E-14	8.11E-14	4.69E-14	0	0	0	0	4.35E-12	5.7089E-08	7.16E-09	2.23111E-14	0	1.37061E-14	0
594	570550.6	4178679	0.55, 41786	0.2434	0.22078	142.10791	62.60325	17.76349	9.55219	1.02374E-10	5.84E-13	1.03E-10	5.98E-08	1.65E-10	5.99E-08	7.47E-09	4.69E-11	7.52E-09	3.18E-14	9.59E-14	5.55E-14	0	0	0	0	5.148E-12	5.9936E-08	7.52E-09	2.64022E-14	0	1.62193E-14	0
595	570590.6	4178679	0.55, 41786	0.29132	0.2684	157.44437	70.02377	21.20731	12.01595	1.22529E-10	7.09E-13	1.23E-10	6.62E-08	1.85E-10	6.64E-08	8.92E-09	5.61E-11	8.98E-09	3.8E-14	1.15E-13	6.65E-14	0	0	0	0	6.162E-12	6.6406E-08	8.98E-09	3.1603E-14	0	1.94142E-14	0
596	570630.6	4178679	0.55, 41786	0.34871	0.32823	170.78411	74.6949	24.39773	14.09383	1.46667E-10	8.68E-13	1.48E-10	7.18E-08	1.97E-10	7.2E-08	1.03E-08	6.45E-11	1.03E-08	4.55E-14	1.37E-13	7.96E-14	0	0	0	0	7.377E-12	7.2029E-08	1.03E-08	3.78335E-14	0	2.32418E-14	0
597	570670.6	4178679	0.55, 41786	0.41782	0.40379	181.29369	80.27499	25.8991	15.99045	1.75735E-10	1.07E-12	1.77E-10	7.63E-08	2.12E-10	7.65E-08	1.09E-08	6.85E-11	1.1E-08	5.46E-14	1.65E-13	9.54E-14	0	0	0	0	8.84E-12	7.6464E-08	1.1E-08	4.53388E-14	0	2.78524E-14	0
598	570710.6	4178679	0.55, 41786	0.49876	0.49687	185.88712	90.92914	26.5553	19.21501	2.09778E-10	1.31E-12	2.11E-10	7.82E-08	2.40E-10	7.84E-08	1.12E-08	7.02E-11	1.12E-08	6.51E-14	1.97E-13	1.14E-13	0	0	0	0	1.055E-11	7.8424E-08	1.12E-08	5.41319E-14	0	3.32541E-14	0
599	570750.6	4178679	0.55, 41786	0.59336	0.60818	195.07014	97.11431	27.40212	20.89244	2.49567E-10	1.61E-12	2.51E-10	8.2E-08	2.57E-10	8.23E-08	1.15E-08	7.24E-11	1.16E-08	7.75E-14	2.34E-13	1.35E-13	0	0	0	0	1.256E-11	8.2303E-08	1.16E-08	6.44107E-14	0	3.95685E-14	0
600	570790.6	4178679	0.55, 41786	0.71288	0.74367	232.56486	100.08812	29.70634	25.09865	2.99837E-10	1.97E-12	3.02E-10	9.78E-08	2.65E-10	9.81E-08	1.25E-08	7.85E-11	1.26E-08	9.31E-14	2.81E-13	1.63E-13	0	0	0	0	1.509E-11	9.8081E-08	1.26E-08	7.73936E-14	0	4.75442E-14	0
601	570830.6	4178679	0.55, 41786	0.82835	0.8948	250.25968	113.32691	36.36599	33.16876	3.48403E-10	2.36E-12	3.51E-10	1.05E-07	3.00E-10	1.06E-07	1.53E-08	9.61E-11	1.54E-08	1.08E-13	3.27E-13	1.89E-13	0	0	0	0	1.754E-11	1.0556E-07	1.54E-08	8.99504E-14	0	5.5258E-14	0
602	570870.6	4178679	0.55, 41786	0.92801	1.04065	269.45277	158.88347	39.41339	35.15016	3.9032E-10	2.75E-12	3.93E-10	1.13E-07	4.20E-10	1.14E-07	1.66E-08	1.04E-10	1.67E-08	1.21E-13	3.66E-13	2.12E-13	0	0	0	0	1.965E-11	1.1375E-07	1.67E-08	1.00798E-13	0	6.19221E-14	0
603	570910.6	4178679	0.55, 41786	1.03394	1.13081	259.70616	144.94226	42.20689	35.5523	4.34874E-10	2.99E-12	4.38E-10	1.09E-07	3.83E-10	1.1E-07	1.78E-08	1.12E-10	1.79E-08	1.35E-13	4.08E-13	2.36E-13	0	0	0	0	2.189E-11	1.0962E-07	1.79E-08	1.12285E-13	0	6.89784E-14	0
604	570950.6	4178679	0.55, 41786	1.05684	1.13643	242.80014	123.49716	39.92153	30.15323	4.44506E-10	3.00E-12	4.48E-10	1.02E-07	3.26E-10	1.02E-07	1.68E-08	1.06E-10	1.69E-08	1.38E-13	4.17E-13	2.41E-13	0	0	0	0	2.238E-11	1.0245E-07	1.69E-08	1.14759E-13	0	7.04981E-14	0
605	570990.6	4178679	0.55, 41786	1.01802	1.09421	255.86386	105.93706	37.15781	26.85338	4.28178E-10	2.89E-12	4.31E-10	1.08E-07	2.80E-10	1.08E-07	1.56E-08	9.82E-11	1.57E-08	1.33E-13	4.02E-13	2.33E-13	0	0	0	0	2.155E-11	1.079E-07	1.57E-08	1.10543E-13	0	6.79083E-14	0
606	571030.6	4178679	0.55, 41786	0.98373	1.03259	224.24787	96.85684	32.03518	21.71644	4.13756E-10	2.73E-12	4.16E-10	9.43E-08	2.56E-10	9.46E-08	1.35E-08	8.47E-11	1.36E-08	1.29E-13	3.88E-13	2.25E-13	0	0	0	0	2.082E-11	9.4574E-08	1.36E-08	1.06803E-13	0	6.56106E-14	0
607	571070.6	4178679	0.55, 41786	0.92088	0.95493	234.21131	81.25508	29.84103	18.74017	3.87321E-10	2.52E-12	3.9E-10	9.85E-08	2.15E-10	9.87E-08	1.26E-08	7.89E-11	1.26E-08	1.2E-13	3.63E-13	2.1E-13	0	0	0	0	1.949E-11	9.8724E-08	1.26E-08	9.99712E-14	0	6.1414E-14	0
608	571110.6	4178679	0.55, 41786	0.85296	0.87816	249.82687	76.90023	32.83771	18.41049	3.58754E-10	2.32E-12	3.61E-10	1.05E-07	2.03E-10	1.05E-07	1.38E-08	8.68E-11	1.39E-08	1.11E-13	3.36E-13	1.95E-13	0	0	0	0	1.805E-11	1.0528E-07	1.39E-08	9.25935E-14	0	5.68817E-14	0
609	571150.6	4178679	0.55, 41786	0.78449	0.80428	184.12399	71.8753	26.94504	17.68151	3.29956E-10	2.13E-12	3.32E-10	7.74E-08	1.90E-10	7.76E-08	1.13E-08	7.12E-11	1.14E-08	1.02E-13	3.09E-13	1.79E-13	0	0	0	0	1.66E-11	7.7632E-08	1.14E-08	8.51584E-14	0	5.23142E-14	0
610	571190.6	4178679	0.55, 41786	0.70872	0.73542	192.12547	69.23049	27.25383	16.04767	2.98087E-10	1.94E-12	3E-10	8.08E-08	1.83E-10	8.1E-08	1.15E-08	7.20E-11	1.15E-08	9.26E-14	2.8E-13	1.62E-13	0	0	0	0	1.5E-11	8.0991E-08	1.15E-08	7.69394E-14	0	4.72651E-14	0
611	571230.6	4178679	0.55, 41786	0.64141	0.6715	152.95792	62.82263	21.78847	14.44714	2.69776E-10	1.77E-12	2.72E-10	6.43E-08	1.66E-10	6.45E-08	9.16E-09	5.76E-11	9.22E-09	8.38E-14	2.53E-13	1.46E-13	0	0	0	0	1.358E-11	6.45E-08	9.22E-09	6.96361E-14	0	4.27786E-14	0
612	571270.6	4178679	0.55, 41786	0.5854	0.61191	124.65244	57.66905	20.54509	12.75642	2.46219E-10	1.62E-12	2.48E-10	5.24E-08	1.52E-10	5.26E-08	8.64E-09	5.43E-11	8.7E-09	7.65E-14	2.31E-13	1.34E-13	0	0	0	0	1.239E-11	5.2581E-08	8.7E-09	6.35546E-14	0	3.90426E-14	0
613	571310.6	4178679	0.55, 41786	0.53447	0.5582	125.80787	55.1913	17.97255	11.70277	2.24798E-10	1.48E-12	2.26E-10	5.29E-08	1.46E-10	5.31E-08	7.56E-09	4.75E-11	7.61E-09	6.98E-14	2.11E-13	1.22E-13	0	0	0	0	1.131E-11	5.3061E-08	7.61E-09	5.8025E-14	0	3.56457E-14	0
614	571350.6	4178679	0.55, 41786	0.48504	0.50906	111.39997	53.56601	13.925	11.19981	2.04007E-10	1.35E-12	2.05E-10	4.69E-08	1.42E-10	4.7E-08	5.86E-09	3.68E-11	5.89E-09	6.34E-14	1.91E-13	1.11E-13	0	0	0	0	1.027E-11	4.6996E-08	5.89E-09	5.26603E-14	0	3.23501E-14	0
615	571390.6	4178679	0.55, 41786	0.44312	0.4655	107.51836	51.27371	13.43979	10.40254	1.86376E-10	1.23E-12	1.88E-10	4.52E-08	1.36E-10	4.54E-08	5.65E-09	3.55E-11	5.69E-09	5.79E-14	1.75E-13	1.01E-13	0	0	0	0	9.38E-12	4.5358E-08	5.69E-09	4.81094E-14	0	2.95544E-14	0
616	571430.6	4178679	0.55, 41786	0.41031	0.42684	122.12368	48.88835	17.23844	9.36082	1.72576E-10	1.13E-12	1.74E-10	5.14E-08	1.29E-10	5.15E-08	7.25E-09	4.56E-11	7.3E-09	5.36E-14	1.62E-13	9.37E-14	0	0	0	0	8.685E-12	5.1494E-08	7.3E-09	4.45444E-14	0	2.73643E-14	0
617	571470.6	4178679	0.55, 41786	0.38401	0.39267	130.83453	46.56818	18.03085	8.50414	1.61514E-10	1.04E-12	1.63E-10	5.5E-08	1.23E-10	5.52E-08	7.58E-09	4.77E-11	7.63E-09	5.02E-14	1.51E-13	8.77E-14	0	0	0	0	8.128E-12	5.5152E-08	7.63E-09	4.16846E-14	0	2.56075E-14	0
618	571510.6	4178679	0.55, 41786	0.35733	0.36026	104.69184	43.30646	14.57371	7.68103	1.50293E-10	9.52E-13	1.51E-10	4.4E-08	1.14E-10	4.41E-08	6.13E-09	3.85E-11	6.17E-09	4.67E-14	1.41E-13	8.16E-14	0	0	0	0	7.562E-12	4.4148E-08	6.17E-09	3.8785E-14	0	2.38262E-14	0
619	571550.6	4178679	0.55, 41786	0.32923	0.33046	93.91251	40.06683	13.41607	6.60436	1.38474E-10	8.73E-13	1.39E-10	3.95E-08	1.06E-10	3.96E-08	5.64E-09	3.55E-11	5.68E-09	4.3E-14	1.3E-13	7.52E-14	0	0	0	0	6.967E-12	3.9605E-08	5.68E-09	3.5734E-14	0	2.1952E-14	0
620	571590.6	4178679	0.55, 41786	0.30119	0.30402	90.51235	37.8645	11.49242	5.95997	1.2668E-10	8.04E-13	1.27E-10	3.81E-08	1.00E-10	3.82E-08	4.83E-09	3.04E-11	4.86E-09	3.93E-14	1.19E-13	6.88E-14	0	0	0	0	6.374E-12	3.8169E-08	4.86E-09	3.26917E-14	0	2.00831E-14	0
621	570310.6	4178719	0.55, 41787	0.10285	0.08839	86.08959	31.99227	10.7612	4.57032	4.32586E-11	2.34E-13	4.35E-11	3.62E-08	8.46E-11	3.63E-08	4.53E-09	2.84E-11	4.55E-09	1.34E-14	4.05E-14	2.35E-14	0	0	0	0	2.175E-12	3.6294E-08	4.55E-09	1.11531E-14	0	6.85151E-15	0
622	570350.6	4178719	0.55, 41787	0.11563	0.10049	90.6137	34.18211	11.32671	4.88316	4.86339E-11	2.66E-13	4.89E-11	3.81E-08	9.03E-11	3.82E-08	4.76E-09	2.99E-11	4.79E-09	1.51E-14	4.56E-14	2.64E-14	0	0	0	0	2.445E-12	3.8202E-08	4.79E-09	1.25397E-14	0	7.70334E-15	0
623	570390.6	4178719	0.55, 41787	0.13114	0.11521	102.01088	38.97546	12.75136	5.08393	5.51573E-11	3.05E-13	5.55E-11	4.29E-08	1.03E-10	4.3E-08	5.36E-09	3.37E-11	5.4E-09	1.71E-14	5.17E-14	2.99E-14	0	0	0	0	2.773E-12	4.3009E-08	5.4E-09	1.42225E-14	0	8.73714E-15	0
624	570430.6	4178719	0.55, 41787	0.15	0.13322	114.28488	46.41789	14.28561	5.80224	6.30898E-11	3.52E-13	6.34E-11	4.81E-08	1.23E-10	4.82E-08	6.01E-09	3.78E-11	6.05E-09	1.96E-14	5.91E-14	3.42E-14	0	0	0	0	3.172E-12	4.8191E-08	6.05E-09	1.62689E-14	0	9.99428E-15	0
625	570470.6	4178719	0.55, 41787	0.17288	0.1553	122.16306	52.59309	15.27038	6.67803	7.27132E-11	4.10E-13	7.31E-11	5.14E-08	1.39E-10	5.15E-08	6.42E-09	4.04E-11	6.46E-09	2.26E-14	6.81E-14	3.94E-14	0	0	0	0	3.656E-12	5.1521E-08	6.46E-09	1.87517E-14	0	1.15195E-14	0
626	570510.6	4178719	0.55, 41787	0.1999	0.18201	126.87173	56.8638	15.85897	8.56143	8.40777E-11	4.81E-13	8.46E-11	5.34E-08	1.50E-10	5.35E-08	6.67E-09	4.19E-11	6.71E-09	2.61E-14	7.88E-14	4.56E-14	0	0	0	0	4.228E-12	5.3512E-08	6.71E-09	2.16841E-14	0	1.33209E-14	0
627	570550.6	4178719	0.55, 41787	0.2328	0.21534	141.7684	62.68438	19.27806	10.36338	9.79154E-11	5.69E-13	9.85E-11	5.96E-08	1.66E-10	5.98E-08	8.11E-09	5.10E-11	8.16E-09	3.04E-14	9.18E-14	5.31E-14	0	0	0	0	4.924E-12	5.9793E-08	8.16E-09	2.52552E-14	0	1.55147E-14	0
628	570590.6	4178719	0.55, 41787	0.2704	0.25529	152.6333	65.86327	21.80476	11.76563	1.1373E-10	6.75E-13	1.14E-10	6.42E-08	1.74E-10	6.44E-08	9.17E-09	5.76E-11	9.23E-09	3.53E-14	1.07E-13	6.17E-14	0	0	0	0	5.72E-12	6.4371E-08	9.23E-09	2.93378E-14	0	1.80227E-14	0
629	570630.6	4178719	0.55, 41787	0.31352	0.30328	160.25221	70.5161	22.89317	12.52474	1.31866E-10	8.02E-13	1.33E-10	6.74E-08	1.86E-10	6.76E-08	9.63E-09	6.05E-11	9.69E-09	4.09E-14	1.24E-13	7.16E-14	0	0	0	0	6.633E-12	6.7588E-08	9.69E-09	3.40211E-14	0	2.08997E-14	0
630	570670.6	4178719	0.55, 41787	0.36149	0.3594	159.13882	79.23774	22.73412	14.05012	1.52042E-10	9.50E-13	1.53E-10	6.69E-08	2.09E-10	6.71E-08	9.56E-09	6.01E-11	9.62E-09	4.72E-14	1.43E-13	8.25E-14	0	0	0	0	7.65E-12	6.7143E-08	9.62E-09	3.92331E-14	0	2.41015E-14	0
631	570710.6	4178719	0.55, 41787	0.41184	0.42167	168.39934	82.78202	23.84947	15.22445	1.73219E-10	1.11E-12	1.74E-10	7.08E-08	2.19E-10	7.1E-08	1E-08	6.30E-11	1.01E-08	5.38E-14	1.62E-13	9.4E-14	0	0	0	0	8.717E-12	7.1047E-08	1.01E-08	4.47059E-14	0	2.74636E-14	0
632	570750.6	4178719	0.55, 41787	0.46631	0.48852	193.26616	81.97611	24.83922	16.78199	1.9613E-10	1.29E-12	1.97E-10	8.13E-08	2.17E-10	8.15E-08	1.04E-08	6.57E-11	1.05E-08	6.09E-14	1.84E-13	1.06E-13	0	0	0	0	9.871E-12	8.1504E-08	1.05E-08	5.06262E-14	0	3.11005E-14	0
633	570790.6	4178719	0.55, 41787	0.5297	0.5627	208.56721	92.88706	26.09236	23.00092	2.22791E-10	1.49E-12	2.24E-10	8.77E-08	2.46E-10	8.8E-08	1.1E-08	6.90E-11	1.1E-08	6.92E-14	2.09E-13	1.21E-13	0	0	0	0	1.121E-11	8.7969E-08	1.1E-08	5.75136E-14	0	3.53315E-14	0
634	570830.6	4178719	0.55, 41787	0.58417	0.63922	206.25232	102.59816	28.9378	25.69667	2.45701E-10	1.69E-12	2.47E-10	8.67E-08	2.71E-10	8.7E-08	1.22E-08	7.65E-11	1.22E-08	7.63E-14	2.31E-13	1.33E-13	0	0	0	0	1.237E-11	8.7021E-08	1.22E-08	6.34405E-14	0	3.89725E-14	0
635	570870.6	4178719	0.55, 41787	0.63384	0.71183	208.40577	136.85909	28.70976	24.7437	2.66592E-10	1.88E-12	2.68E-10	8.77E-08	3.62E-10	8.8E-08	1.21E-08	7.59E-11	1.22E-08	8.28E-14	2.5E-13	1.45E-13	0	0	0	0	1.342E-11	8.8017E-08	1.22E-08	6.8847E-14	0	4.22938E-14	0
636	570910.6	4178719	0.55, 41787	0.68401	0.75343	211.07044	124.31957	30.70854	25.49482	2.87694E-10	1.99E-12	2.9E-10	8.88E-08	3.29E-10	8.91E-08	1.29E-08	8.12E-11	1.3E-08	8.94E-14	2.7E-13	1.56E-13	0	0	0	0	1.448E-11	8.9105E-08	1.3E-08	7.42864E-14	0	4.56353E-14	0
637	570950.6	4178719	0.55, 41787	0.69007	0.76497	207.10313	108.18225	30.79195	24.65468	2.90243E-10	2.02E-12	2.92E-10	8.71E-08	2.86E-10	8.74E-08	1.3E-08	8.14E-11	1.3E-08	9.02E-14	2.72E-13	1.58E-13	0	0	0	0	1.461E-11	8.7393E-08	1.3E-08	7.49478E-14	0	4.60417E-14	0
638	570990.6	4178719	0.55, 41787	0.68048	0.74999	206.58356	95.47159	32.17827	21.60129	2.86209E-10	1.98E-12	2.88E-10	8.69E-08	2.52E-10	8.71E-08	1.35E-08	8.50E-11	1.36E-08	8.89E-14	2.69E-13	1.55E-13	0	0	0	0	1.441E-11	8.7141E-08	1.36E-08	7.39033E-14	0	4.54E-14	0
639	571030.6	4178719	0.55, 41787	0.66194	0.72353	210.3532	86.11281	30.372	18.42489	2.78411E-10	1.91E-12	2.8E-10	8.85E-08	2.28E-10	8.87E-08	1.28E-08	8.03E-11	1.29E-08	8.65E-14	2.61E-13	1.51E-13	0	0	0	0	1.402E-11	8.8702E-08	1.29E-08	7.18857E-14	0	4.41606E-14	0
640	571070.6	4178719	0.55, 41787	0.64029	0.68839	181.70859	76.31707	22.73215	15.52213	2.69305E-10	1.82E-12	2.71E-10	7.64E-08	2.02E-10	7.66E-08	9.56E-09	6.01E-11	9.62E-09	8.37E-14	2.53E-13	1.46E-13	0	0	0	0	1.356E-11	7.6628E-08	9.62E-09	6.95268E-14	0	4.27114E-14	0
641	571110.6	4178719	0.55, 41787	0.60626	0.64543	207.95149	70.27092	26.16426	14.32632	2.54992E-10	1.71E-12	2.57E-10	8.75E-08	1.86E-10	8.76E-08	1.1E-08	6.92E-11	1.11E-08	7.92E-14	2.39E-13	1.38E-13	0	0	0	0	1.283E-11	8.765E-08	1.11E-08	6.58273E-14	0	4.04388E-14	0
642	571150.6	4178719	0.55, 41787	0.57256	0.60327	200.64391	66.12781	25.68735	14.52342	2.40818E-10	1.59E-12	2.42E-10	8.44E-08	1.75E-10	8.46E-08	1.08E-08	6.79E-11	1.09E-08	7.48E-14	2.26E-13	1.31E-13	0	0	0	0	1.212E-11	8.4565E-08	1.09E-08	6.21639E-14	0	3.81883E-14	0
643	571190.6	4178719	0.55, 41787	0.53842	0.56251	154.3512	63.9477	22.19645	14.00077	2.26459E-10	1.49E-12	2.28E-10	6.49E-08	1.69E-10	6.51E-08	9.34E-09	5.87E-11	9.39E-09	7.03E-14	2.12E-13	1.23E-13	0	0	0	0	1.14E-11	6.5089E-08	9.39E-09	5.8454E-14	0	3.59092E-14	0
644	571230.6	4178719	0.55, 41787	0.49735	0.52247	159.72675	60.41971	22.34048	12.75874	2.09185E-10	1.38E-12	2.11E-10	6.72E-08	1.60E-10	6.73E-08	9.4E-09	5.90E-11	9.46E-09	6.5E-14	1.96E-13	1.14E-13	0	0	0	0	1.053E-11	6.7341E-08	9.46E-09	5.39971E-14	0	3.31713E-14	0
645	571270.6	4178719	0.55, 41787	0.45612	0.4836	144.14128	55.22387	20.17616	11.51496	1.91844E-10	1.28E-12	1.93E-10	6.06E-08	1.46E-10	6.08E-08	8.49E-09	5.33E-11	8.54E-09	5.96E-14	1.8E-13	1.04E-13	0	0	0	0	9.656E-12	6.0772E-08	8.54E-09	4.95238E-14	0	3.04233E-14	0
646	571310.6	4178719	0.55, 41787	0.42006	0.44717	118.44349	52.26024	17.97136	10.56882	1.76677E-10	1.18E-12	1.78E-10	4.98E-08	1.38E-10	5E-08	7.56E-09	4.75E-11	7.61E-09	5.49E-14	1.66E-13	9.59E-14	0	0	0	0	8.893E-12	4.9955E-08	7.61E-09	4.56098E-14	0	2.80188E-14	0
647	571350.6	4178719	0.55, 41787	0.38785	0.41385	109.17018	50.24459	14.07795	10.0186	1.63129E-10	1.09E-12	1.64E-10	4.59E-08	1.33E-10	4.6E-08	5.92E-09	3.72E-11	5.96E-09	5.07E-14	1.53E-13	8.86E-14	0	0	0	0	8.211E-12	4.605E-08	5.96E-09	4.21131E-14	0	2.58708E-14	0
648	571390.6	4178719	0.55, 41787	0.35875	0.38356	87.70597	48.80309	10.96325	9.64341	1.5089E-10	1.01E-12	1.52E-10	3.69E-08	1.29E-10	3.7E-08	4.61E-09	2.90E-11	4.64E-09	4.69E-14	1.42E-13	8.19E-14	0	0	0	0	7.595E-12	3.7018E-08	4.64E-09	3.89539E-14	0	2.393E-14	0
649	571430.6	4178719	0.55, 41787	0.33385	0.35563	80.9107	47.09106	11.59229	8.99084	1.40417E-10	9.40E-13	1.41E-10	3.4E-08	1.24E-10	3.42E-08	4.88E-09	3.06E-11	4.91E-09	4.36E-14	1.32E-13	7.62E-14	0	0	0	0	7.068E-12	3.4155E-08	4.91E-09	3.62493E-14	0	2.22686E-14	0
650	571470.6	4178719	0.55, 41787	0.31507	0.33052	111.40642	45.19171	15.57659	8.16367	1.32518E-10	8.74E-13	1.33E-10	4.69E-08	1.19E-10	4.7E-08	6.55E-09	4.12E-11	6.59E-09	4.12E-14	1.24E-13	7.19E-14	0	0	0	0	6.67E-12	4.6977E-08	6.59E-09	3.42067E-14	0	2.10138E-14	0
651	571510.6	4178719	0.55, 41787	0.29891	0.30701	116.70467	43.07153	15.95519	7.46065	1.25721E-10	8.11E-13	1.27E-10	4.91E-08	1.14E-10	4.92E-08	6.71E-09	4.22E-11	6.75E-09	3.9E-14	1.18E-13	6.82E-14	0	0	0	0	6.327E-12	4.92E-08	6.75E-09	3.24478E-14	0	1.99332E-14	0
652	571550.6	4178719	0.55, 41787	0.28299	0.28542	93.20798	40.2806	12.81909	6.80365	1.19025E-10	7.54E-13	1.2E-10	3.92E-08	1.06E-10	3.93E-08	5.39E-09	3.39E-11	5.43E-09	3.7E-14	1.12E-13	6.46E-14	0	0	0	0	5.989E-12	3.931E-08	5.43E-09	3.07161E-14	0	1.88694E-14	0
653	571590.6	4178719	0.55, 41787	0.2649	0.26495	84.18961	37.57199	12.02709	5.93847	1.11417E-10	7.00E-13	1.12E-10	3.54E-08	9.93E-11	3.55E-08	5.06E-09	3.18E-11	5.09E-09	3.46E-14	1.04E-13	6.05E-14	0	0	0	0	5.606E-12	3.5509E-08	5.09E-09	2.87511E-14	0	1.76623E-14	0
654	570310.6	4178759	0.55, 41787	0.10291	0.08971	86.89901	32.22927	10.86238	4.40505	4.32838E-11	2.37E-13	4.35E-11	3.65E-08	8.52E-11	3.66E-08	4.57E-09	2.87E-11	4.6E-09	1.34E-14	4.05E-14	2.35E-14	0	0	0	0	2.176E-12	3.6635E-08	4.6E-09	1.11604E-14	0	6.85604E-15	0
655	570350.6	4178759	0.55, 41787	0.11544	0.10167	97.89636	38.6449	12.23704	4.83061	4.85539E-11	2.69E-13	4.88E-11	4.12E-08	1.02E-10	4.13E-08	5.15E-09	3.23E-11	5.18E-09	1.51E-14	4.55E-14	2.63E-14	0	0	0	0	2.441E-12	4.1277E-08	5.18E-09	1.252E-14	0	7.69124E-15	0
656	570390.6	4178759	0.55, 41787	0.13027	0.11595	105.67733	44.34348	13.20967	5.54293	5.47914E-11	3.06E-13	5.51E-11	4.44E-08	1.17E-10	4.46E-08	5.56E-09	3.49E-11	5.59E-09	1.7E-14	5.13E-14	2.97E-14	0	0	0	0	2.755E-12	4.4565E-08	5.59E-09	1.41292E-14	0	8.6798E-15	0
657	570430.6	4178759	0.55, 41787	0.14773	0.133	109.21499	48.49986	13.65187	6.24447	6.21351E-11	3.52E-13	6.25E-11	4.59E-08	1.28E-10	4.61E-08	5.74E-09	3.61E-11	5.78E-09	1.93E-14	5.82E-14	3.37E-14	0	0	0	0	3.124E-12	4.6064E-08	5.78E-09	1.6024E-14	0	9.84378E-15	0
658	570470.6	4178759	0.55, 41787	0.16767	0.15301	117.79795	52.53636	14.72474	7.71399	7.05218E-11	4.04E-13	7.09E-11	4.95E-08	1.39E-10	4.97E-08	6.19E-09	3.89E-11	6.23E-09	2.19E-14	6.61E-14	3.83E-14	0	0	0	0	3.546E-12	4.9685E-08	6.23E-09	1.81882E-14	0	1.11733E-14	0
659	570510.6	4178759	0.55, 41787	0.191	0.17712	128.29828	56.17436	17.6792	9.03197	8.03344E-11	4.68E-13	8.08E-11	5.4E-08	1.48E-10	5.41E-08	7.44E-09	4.67E-11	7.48E-09	2.49E-14	7.53E-14	4.36E-14	0	0	0	0	4.04E-12	5.4111E-08	7.48E-09	2.07209E-14	0	1.27292E-14	0
660	570550.6	4178759	0.55, 41787	0.21672	0.20498	137.63049	58.52483	19.6615	9.95092	9.11522E-11	5.42E-13	9.17E-11	5.79E-08	1.55E-10	5.8E-08	8.27E-09	5.20E-11	8.32E-09	2.83E-14	8.54E-14	4.95E-14	0	0	0	0	4.585E-12	5.8042E-08	8.32E-09	2.35139E-14	0	1.44449E-14	0
661	570590.6	4178759	0.55, 41787	0.24504	0.23724	142.23889	62.68425	20.31984	10.25836	1.03064E-10	6.27E-13	1.04E-10	5.98E-08	1.66E-10	6E-08	8.55E-09	5.37E-11	8.6E-09	3.2E-14	9.66E-14	5.59E-14	0	0	0	0	5.185E-12	5.9991E-08	8.6E-09	2.65902E-14	0	1.63348E-14	0
662	570630.6	4178759	0.55, 41787	0.27554	0.27375	139.19636	70.02218	19.61007	11.07526	1.15892E-10	7.24E-13	1.17E-10	5.85E-08	1.85E-10	5.87E-08	8.25E-09	5.18E-11	8.3E-09	3.6E-14	1.09E-13	6.29E-14	0	0	0	0	5.831E-12	5.8731E-08	8.3E-09	2.99047E-14	0	1.83709E-14	0
663	570670.6	4178759	0.55, 41787	0.30614	0.31293	149.31547	72.47289	21.10931	12.07881	1.28762E-10	8.27E-13	1.3E-10	6.28E-08	1.92E-10	6.3E-08	8.88E-09	5.58E-11	8.93E-09	4E-14	1.21E-13	6.99E-14	0	0	0	0	6.479E-12	6.2993E-08	8.93E-09	3.32317E-14	0	2.04147E-14	0
664	570710.6	4178759	0.55, 41787	0.33494	0.35231	164.794	71.08708	21.55176	13.08376	1.40875E-10	9.31E-13	1.42E-10	6.93E-08	1.88E-10	6.95E-08	9.06E-09	5.70E-11	9.12E-09	4.38E-14	1.32E-13	7.65E-14	0	0	0	0	7.09E-12	6.95E-08	9.12E-09	3.63646E-14	0	2.23394E-14	0
665	570750.6	4178759	0.55, 41787	0.36674	0.3924	179.38877	78.60477	22.4236	16.36841	1.5425E-10	1.04E-12	1.55E-10	7.55E-08	2.08E-10	7.57E-08	9.43E-09	5.93E-11	9.49E-09	4.79E-14	1.45E-13	8.38E-14	0	0	0	0	7.764E-12	7.5658E-08	9.49E-09	3.98217E-14	0	2.44631E-14	0
666	570790.6	4178759	0.55, 41787	0.40357	0.43625	166.36606	82.34558	21.7564	19.87746	1.69741E-10	1.15E-12	1.71E-10	7E-08	2.18E-10	7.02E-08	9.15E-09	5.75E-11	9.21E-09	5.27E-14	1.59E-13	9.22E-14	0	0	0	0	8.545E-12	7.0191E-08	9.21E-09	4.38238E-14	0	2.69217E-14	0
667	570830.6	4178759	0.55, 41787	0.43354	0.48203	188.6599	98.62945	24.95504	19.43466	1.82346E-10	1.27E-12	1.84E-10	7.94E-08	2.61E-10	7.96E-08	1.05E-08	6.60E-11	1.06E-08	5.67E-14	1.71E-13	9.9E-14	0	0	0	0	9.181E-12	7.9611E-08	1.06E-08	4.70873E-14	0	2.89265E-14	0
668	570870.6	4178759	0.55, 41787	0.46387	0.52331	172.12292	120.25167	21.51536	18.67269	1.95103E-10	1.38E-12	1.96E-10	7.24E-08	3.18E-10	7.27E-08	9.05E-09	5.69E-11	9.11E-09	6.06E-14	1.83E-13	1.06E-13	0	0	0	0	9.824E-12	7.2713E-08	9.11E-09	5.03866E-14	0	3.09533E-14	0
669	570910.6	4178759	0.55, 41787	0.49085	0.54778	176.15826	108.72169	23.43896	19.655	2.06451E-10	1.45E-12	2.08E-10	7.41E-08	2.87E-10	7.44E-08	9.86E-09	6.19E-11	9.92E-09	6.42E-14	1.94E-13	1.12E-13	0	0	0	0	1.039E-11	7.4379E-08	9.92E-09	5.33132E-14	0	3.27512E-14	0
670	570950.6	4178759	0.55, 41787	0.48762	0.55475	180.46301	97.04885	24.36206	20.46933	2.05092E-10	1.47E-12	2.07E-10	7.59E-08	2.57E-10	7.62E-08	1.02E-08	6.44E-11	1.03E-08	6.37E-14	1.92E-13	1.11E-13	0	0	0	0	1.033E-11	7.6159E-08	1.03E-08	5.29696E-14	0	3.25401E-14	0
671	570990.6	4178759	0.55, 41787	0.49051	0.55159	151.23194	87.28492	25.20532	17.38113	2.06308E-10	1.46E-12	2.08E-10	6.36E-08	2.31E-10	6.38E-08	1.06E-08	6.66E-11	1.07E-08	6.41E-14	1.94E-13	1.12E-13	0	0	0	0	1.039E-11	6.3839E-08	1.07E-08	5.32791E-14	0	3.27302E-14	0
672	571030.6	4178759	0.55, 41787	0.48428	0.53663	187.58168	78.86438	28.06386	15.68835	2.03688E-10	1.42E-12	2.05E-10	7.89E-08	2.08E-10	7.91E-08	1.18E-08	7.42E-11	1.19E-08	6.33E-14	1.91E-13	1.11E-13	0	0	0	0	1.026E-11	7.9105E-08	1.19E-08	5.2597E-14	0	3.23112E-14	0
673	571070.6	4178759	0.55, 41787	0.467	0.51625	163.79974	72.83551	22.54296	13.46245	1.9642E-10	1.36E-12	1.98E-10	6.89E-08	1.93E-10	6.91E-08	9.48E-09	5.96E-11	9.54E-09	6.1E-14	1.84E-13	1.07E-13	0	0	0	0	9.889E-12	6.9087E-08	9.54E-09	5.07195E-14	0	3.11578E-14	0
674	571110.6	4178759	0.55, 41787	0.44755	0.4933	157.0432	65.36033	19.63651	11.35189	1.88239E-10	1.30E-12	1.9E-10	6.61E-08	1.73E-10	6.62E-08	8.26E-09	5.19E-11	8.31E-09	5.85E-14	1.77E-13	1.02E-13	0	0	0	0	9.477E-12	6.6225E-08	8.31E-09	4.86061E-14	0	2.98595E-14	0
675	571150.6	4178759	0.55, 41787	0.4302	0.46818	183.98767	62.14189	23.05685	11.54043	1.80942E-10	1.24E-12	1.82E-10	7.74E-08	1.64E-10	7.75E-08	9.7E-09	6.09E-11	9.76E-09	5.62E-14	1.7E-13	9.83E-14	0	0	0	0	9.109E-12	7.7549E-08	9.76E-09	4.67177E-14	0	2.86994E-14	0
676	571190.6	4178759	0.55, 41787	0.41561	0.44245	166.33485	59.4631	21.02615	11.70076	1.74805E-10	1.17E-12	1.76E-10	7E-08	1.57E-10	7.01E-08	8.84E-09	5.56E-11	8.9E-09	5.43E-14	1.64E-13	9.49E-14	0	0	0	0	8.799E-12	7.0117E-08	8.9E-09	4.51266E-14	0	2.7722E-14	0
677	571230.6	4178759	0.55, 41787	0.39577	0.41616	133.04594	57.55284	19.00656	11.25795	1.6646E-10	1.10E-12	1.68E-10	5.6E-08	1.52E-10	5.61E-08	7.99E-09	5.02E-11	8.04E-09	5.17E-14	1.56E-13	9.04E-14	0	0	0	0	8.378E-12	5.6111E-08	8.04E-09	4.29689E-14	0	2.63965E-14	0
678	571270.6	4178759	0.55, 41787	0.36933	0.38979	133.93343	52.76944	18.49966	10.32502	1.5534E-10	1.03E-12	1.56E-10	5.63E-08	1.39E-10	5.65E-08	7.78E-09	4.89E-11	7.83E-09	4.83E-14	1.46E-13	8.43E-14	0	0	0	0	7.819E-12	5.6472E-08	7.83E-09	4.00993E-14	0	2.46336E-14	0
679	571310.6	4178759	0.55, 41787	0.3411	0.36413	131.1619	50.25063	18.11843	9.56125	1.43466E-10	9.62E-13	1.44E-10	5.52E-08	1.33E-10	5.53E-08	7.62E-09	4.79E-11	7.67E-09	4.46E-14	1.35E-13	7.79E-14	0	0	0	0	7.221E-12	5.5299E-08	7.67E-09	3.70371E-14	0	2.27525E-14	0
680	571350.6	4178759	0.55, 41787	0.31543	0.34037	103.20737	47.94128	14.62528	9.08266	1.3267E-10	9.00E-13	1.34E-10	4.34E-08	1.27E-10	4.35E-08	6.15E-09	3.87E-11	6.19E-09	4.12E-14	1.24E-13	7.2E-14	0	0	0	0	6.678E-12	4.3536E-08	6.19E-09	3.42523E-14	0	2.10417E-14	0
681	571390.6	4178759	0.55, 41787	0.29206	0.31801	95.20975	46.26011	11.90122	8.7596	1.2284E-10	8.41E-13	1.24E-10	4E-08	1.22E-10	4.02E-08	5.01E-09	3.15E-11	5.04E-09	3.82E-14	1.15E-13	6.67E-14	0	0	0	0	6.184E-12	4.0167E-08	5.04E-09	3.17165E-14	0	1.94839E-14	0
682	571430.6	4178759	0.55, 41787	0.27184	0.29676	65.82255	44.97926	8.48847	8.42183	1.14336E-10	7.84E-13	1.15E-10	2.77E-08	1.19E-10	2.78E-08	3.57E-09	2.24E-11	3.59E-09	3.55E-14	1.07E-13	6.21E-14	0	0	0	0	5.756E-12	2.7804E-08	3.59E-09	2.95212E-14	0	1.81353E-14	0
683	571470.6	4178759	0.55, 41787	0.25781	0.27877	74.19853	43.62462	10.92817	7.8818	1.08435E-10	7.37E-13	1.09E-10	3.12E-08	1.15E-10	3.13E-08	4.6E-09	2.89E-11	4.63E-09	3.37E-14	1.02E-13	5.89E-14	0	0	0	0	5.459E-12	3.1323E-08	4.63E-09	2.79957E-14	0	1.71982E-14	0
684	571510.6	4178759	0.55, 41787	0.24715	0.26193	102.14842	42.0514	14.2101	7.23025	1.03951E-10	6.92E-13	1.05E-10	4.3E-08	1.11E-10	4.31E-08	5.98E-09	3.76E-11	6.01E-09	3.23E-14	9.75E-14	5.64E-14	0	0	0	0	5.232E-12	4.3075E-08	6.01E-09	2.68346E-14	0	1.64849E-14	0
685	571550.6	4178759	0.55, 41787	0.23772	0.24585	104.82233	40.15762	14.31586	6.66643	9.99848E-11	6.50E-13	1.01E-10	4.41E-08	1.06E-10	4.42E-08	6.02E-09	3.78E-11	6.06E-09	3.11E-14	9.38E-14	5.43E-14	0	0	0	0	5.032E-12	4.4194E-08	6.06E-09	2.58066E-14	0	1.58534E-14	0
686	571590.6	4178759	0.55, 41787	0.22808	0.23097	83.60184	37.747	11.46846	6.12919	9.59302E-11	6.10E-13	9.65E-11	3.52E-08	9.98E-11	3.53E-08	4.82E-09	3.03E-11	4.85E-09	2.98E-14	8.99E-14	5.21E-14	0	0	0	0	4.827E-12	3.5263E-08	4.85E-09	2.47567E-14	0	1.52085E-14	0
687	570310.6	4178799	0.55, 41787	0.10253	0.09048	92.22772	37.68456	11.52846	4.71057	4.3124E-11	2.39E-13	4.34E-11	3.88E-08	9.96E-11	3.89E-08	4.85E-09	3.05E-11	4.88E-09	1.34E-14	4.04E-14	2.34E-14	0	0	0	0	2.168E-12	3.889E-08	4.88E-09	1.112E-14	0	6.83118E-15	0
688	570350.6	4178799	0.55, 41787	0.11434	0.10195	96.42289	41.82094	12.05286	5.22762	4.80913E-11	2.69E-13	4.84E-11	4.06E-08	1.11E-10	4.07E-08	5.07E-09	3.19E-11	5.1E-09	1.49E-14	4.51E-14	2.61E-14	0	0	0	0	2.418E-12	4.0666E-08	5.1E-09	1.24015E-14	0	7.61847E-15	0
689	570390.6	4178799	0.55, 41787	0.12785	0.11532	96.70849	44.28794	12.08856	5.83168	5.37736E-11	3.05E-13	5.41E-11	4.07E-08	1.17E-10	4.08E-08	5.08E-09	3.20E-11	5.12E-09	1.67E-14	5.04E-14	2.92E-14	0	0	0	0	2.704E-12	4.0793E-08	5.12E-09	1.38678E-14	0	8.5192E-15	0
690	570430.6	4178799	0.55, 41787	0.14288	0.13064	109.4746	48.39009	13.83026	6.97525	6.00952E-11	3.45E-13	6.04E-11	4.6E-08	1.28E-10	4.62E-08	5.82E-09	3.66E-11	5.85E-09	1.87E-14	5.63E-14	3.26E-14	0	0	0	0	3.022E-12	4.6173E-08	5.85E-09	1.54993E-14	0	9.52144E-15	0
691	570470.6	4178799	0.55, 41787	0.15993	0.14857	116.3647	50.80214	16.31235	7.92735	6.72664E-11	3.93E-13	6.77E-11	4.89E-08	1.34E-10	4.91E-08	6.86E-09	4.31E-11	6.9E-09	2.09E-14	6.3E-14	3.65E-14	0	0	0	0	3.383E-12	4.9077E-08	6.9E-09	1.73504E-14	0	1.06586E-14	0
692	570510.6	4178799	0.55, 41787	0.17816	0.16871	124.77861	52.11481	17.82552	8.49382	7.49339E-11	4.46E-13	7.54E-11	5.25E-08	1.38E-10	5.26E-08	7.5E-09	4.71E-11	7.54E-09	2.33E-14	7.02E-14	4.07E-14	0	0	0	0	3.769E-12	5.2619E-08	7.54E-09	1.93303E-14	0	1.18749E-14	0
693	570550.6	4178799	0.55, 41787	0.19752	0.19131	126.89522	56.18657	18.12789	8.51005	8.30767E-11	5.06E-13	8.36E-11	5.34E-08	1.49E-10	5.35E-08	7.62E-09	4.79E-11	7.67E-09	2.58E-14	7.79E-14	4.51E-14	0	0	0	0	4.179E-12	5.3521E-08	7.67E-09	2.14337E-14	0	1.31671E-14	0
694	570590.6	4178799	0.55, 41787	0.21773	0.21627	122.68072	62.5324	17.14296	9.80776	9.1577E-11	5.72E-13	9.21E-11	5.16E-08	1.65E-10	5.18E-08	7.21E-09	4.53E-11	7.26E-09	2.84E-14	8.59E-14	4.97E-14	0	0	0	0	4.607E-12	5.1765E-08	7.26E-09	2.36304E-14	0	1.45166E-14	0
695	570630.6	4178799	0.55, 41787	0.23771	0.24268	133.9153	64.36556	18.95021	10.72759	9.99806E-11	6.41E-13	1.01E-10	5.63E-08	1.70E-10	5.65E-08	7.97E-09	5.01E-11	8.02E-09	3.11E-14	9.38E-14	5.43E-14	0	0	0	0	5.031E-12	5.6495E-08	8.02E-09	2.58033E-14	0	1.58514E-14	0
696	570670.6	4178799	0.55, 41787	0.25595	0.26895	141.94782	63.09907	19.13844	10.57117	1.07652E-10	7.11E-13	1.08E-10	5.97E-08	1.67E-10	5.99E-08	8.05E-09	5.06E-11	8.1E-09	3.34E-14	1.01E-13	5.84E-14	0	0	0	0	5.418E-12	5.987E-08	8.1E-09	2.77885E-14	0	1.70709E-14	0
697	570710.6	4178799	0.55, 41787	0.27273	0.29382	157.12572	66.69563	19.64072	11.93189	1.1471E-10	7.77E-13	1.15E-10	6.61E-08	1.76E-10	6.63E-08	8.26E-09	5.19E-11	8.31E-09	3.56E-14	1.08E-13	6.23E-14	0	0	0	0	5.774E-12	6.6263E-08	8.31E-09	2.96152E-14	0	1.81931E-14	0
698	570750.6	4178799	0.55, 41787	0.29355	0.31916	152.65771	72.44297	19.08221	15.18472	1.23467E-10	8.44E-13	1.24E-10	6.42E-08	1.91E-10	6.44E-08	8.03E-09	5.04E-11	8.08E-09	3.84E-14	1.16E-13	6.7E-14	0	0	0	0	6.216E-12	6.4399E-08	8.08E-09	3.18779E-14	0	1.95831E-14	0
699	570790.6	4178799	0.55, 41787	0.31688	0.34759	157.73005	72.26845	20.13646	16.34526	1.33279E-10	9.19E-13	1.34E-10	6.63E-08	1.91E-10	6.65E-08	8.47E-09	5.32E-11	8.52E-09	4.14E-14	1.25E-13	7.24E-14	0	0	0	0	6.71E-12	6.6532E-08	8.52E-09	3.44135E-14	0	2.11408E-14	0
700	570830.6	4178799	0.55, 41787	0.33524	0.37796	162.23746	94.66133	21.09567	14.73083	1.41002E-10	9.99E-13	1.42E-10	6.82E-08	2.50E-10	6.85E-08	8.87E-09	5.58E-11	8.93E-09	4.38E-14	1.32E-13	7.66E-14	0	0	0	0	7.1E-12	6.8487E-08	8.93E-09	3.64144E-14	0	2.237E-14	0
701	570870.6	4178799	0.55, 41787	0.35595	0.40358	158.80625	107.46352	19.85078	16.70272	1.49712E-10	1.07E-12	1.51E-10	6.68E-08	2.84E-10	6.71E-08	8.35E-09	5.25E-11	8.4E-09	4.65E-14	1.4E-13	8.13E-14	0	0	0	0	7.539E-12	6.7078E-08	8.4E-09	3.86655E-14	0	2.37528E-14	0
702	570910.6	4178799	0.55, 41787	0.3676	0.41723	150.41188	96.98395	18.80149	15.72408	1.54612E-10	1.10E-12	1.56E-10	6.33E-08	2.56E-10	6.35E-08	7.91E-09	4.97E-11	7.96E-09	4.81E-14	1.45E-13	8.4E-14	0	0	0	0	7.786E-12	6.3519E-08	7.96E-09	3.99313E-14	0	2.45304E-14	0
703	570950.6	4178799	0.55, 41787	0.34637	0.40141	159.46188	87.41269	19.93273	16.48069	1.45683E-10	1.06E-12	1.47E-10	6.71E-08	2.31E-10	6.73E-08	8.38E-09	5.27E-11	8.44E-09	4.53E-14	1.37E-13	7.91E-14	0	0	0	0	7.337E-12	6.7301E-08	8.44E-09	3.76307E-14	0	2.31172E-14	0
704	570990.6	4178799	0.55, 41787	0.35579	0.40756	119.48057	79.68844	17.5796	14.60553	1.49645E-10	1.08E-12	1.51E-10	5.03E-08	2.11E-10	5.05E-08	7.39E-09	4.65E-11	7.44E-09	4.65E-14	1.4E-13	8.13E-14	0	0	0	0	7.536E-12	5.0464E-08	7.44E-09	3.86509E-14	0	2.37439E-14	0
705	571030.6	4178799	0.55, 41787	0.37225	0.416	155.14917	72.93395	24.86673	12.948	1.56568E-10	1.10E-12	1.58E-10	6.53E-08	1.93E-10	6.54E-08	1.05E-08	6.57E-11	1.05E-08	4.87E-14	1.47E-13	8.5E-14	0	0	0	0	7.883E-12	6.5448E-08	1.05E-08	4.0432E-14	0	2.4838E-14	0
706	571070.6	4178799	0.55, 41787	0.3594	0.40135	158.59146	67.81733	22.65592	11.74555	1.51163E-10	1.06E-12	1.52E-10	6.67E-08	1.79E-10	6.69E-08	9.53E-09	5.99E-11	9.59E-09	4.7E-14	1.42E-13	8.21E-14	0	0	0	0	7.611E-12	6.6883E-08	9.59E-09	3.90361E-14	0	2.39805E-14	0
707	571110.6	4178799	0.55, 41787	0.34191	0.38638	133.9595	62.41991	16.74494	10.40332	1.43807E-10	1.02E-12	1.45E-10	5.63E-08	1.65E-10	5.65E-08	7.04E-09	4.43E-11	7.09E-09	4.47E-14	1.35E-13	7.81E-14	0	0	0	0	7.241E-12	5.6508E-08	7.09E-09	3.71395E-14	0	2.28154E-14	0
708	571150.6	4178799	0.55, 41787	0.32926	0.37153	140.52662	58.47073	17.56829	9.74512	1.38486E-10	9.82E-13	1.39E-10	5.91E-08	1.55E-10	5.93E-08	7.39E-09	4.64E-11	7.44E-09	4.3E-14	1.3E-13	7.52E-14	0	0	0	0	6.973E-12	5.926E-08	7.44E-09	3.5765E-14	0	2.1971E-14	0
709	571190.6	4178799	0.55, 41787	0.32393	0.35615	162.80337	55.99612	20.37225	9.46414	1.36245E-10	9.41E-13	1.37E-10	6.85E-08	1.48E-10	6.86E-08	8.57E-09	5.38E-11	8.62E-09	4.23E-14	1.28E-13	7.4E-14	0	0	0	0	6.859E-12	6.8623E-08	8.62E-09	3.51797E-14	0	2.16115E-14	0
710	571230.6	4178799	0.55, 41787	0.31732	0.33876	141.0743	54.42569	17.72831	9.52966	1.33464E-10	8.95E-13	1.34E-10	5.93E-08	1.44E-10	5.95E-08	7.46E-09	4.69E-11	7.5E-09	4.15E-14	1.25E-13	7.25E-14	0	0	0	0	6.718E-12	5.948E-08	7.5E-09	3.4455E-14	0	2.11663E-14	0
711	571270.6	4178799	0.55, 41787	0.30415	0.32027	116.54381	51.24633	16.64912	9.13765	1.27925E-10	8.46E-13	1.29E-10	4.9E-08	1.35E-10	4.92E-08	7E-09	4.40E-11	7.05E-09	3.97E-14	1.2E-13	6.95E-14	0	0	0	0	6.439E-12	4.9154E-08	7.05E-09	3.3022E-14	0	2.02859E-14	0
712	571310.6	4178799	0.55, 41787	0.28608	0.30211	111.77517	48.08718	15.28029	8.60329	1.20325E-10	7.98E-13	1.21E-10	4.7E-08	1.27E-10	4.71E-08	6.43E-09	4.04E-11	6.47E-09	3.74E-14	1.13E-13	6.53E-14	0	0	0	0	6.056E-12	4.714E-08	6.47E-09	3.10607E-14	0	1.90811E-14	0
713	571350.6	4178799	0.55, 41787	0.26522	0.28423	116.94553	46.1941	15.97517	8.23917	1.11551E-10	7.51E-13	1.12E-10	4.92E-08	1.22E-10	4.93E-08	6.72E-09	4.22E-11	6.76E-09	3.47E-14	1.05E-13	6.06E-14	0	0	0	0	5.615E-12	4.9309E-08	6.76E-09	2.87987E-14	0	1.76915E-14	0
714	571390.6	4178799	0.55, 41787	0.24309	0.26586	101.64822	44.37475	13.96186	7.97488	1.02243E-10	7.03E-13	1.03E-10	4.28E-08	1.17E-10	4.29E-08	5.87E-09	3.69E-11	5.91E-09	3.18E-14	9.59E-14	5.55E-14	0	0	0	0	5.147E-12	4.287E-08	5.91E-09	2.63993E-14	0	1.62175E-14	0
715	571430.6	4178799	0.55, 41787	0.22645	0.25105	78.66707	42.96369	10.22882	7.75525	9.52446E-11	6.64E-13	9.59E-11	3.31E-08	1.14E-10	3.32E-08	4.3E-09	2.70E-11	4.33E-09	2.96E-14	8.94E-14	5.17E-14	0	0	0	0	4.795E-12	3.3201E-08	4.33E-09	2.45945E-14	0	1.51088E-14	0
716	571470.6	4178799	0.55, 41787	0.21325	0.23694	47.64153	41.84289	7.70461	7.45296	8.96927E-11	6.26E-13	9.03E-11	2E-08	1.11E-10	2.01E-08	3.24E-09	2.04E-11	3.26E-09	2.79E-14	8.42E-14	4.87E-14	0	0	0	0	4.516E-12	2.0149E-08	3.26E-09	2.31612E-14	0	1.42283E-14	0
717	571510.6	4178799	0.55, 41787	0.20623	0.22585	71.44774	40.73398	10.29216	7.00806	8.67401E-11	5.97E-13	8.73E-11	3.01E-08	1.08E-10	3.02E-08	4.33E-09	2.72E-11	4.36E-09	2.7E-14	8.14E-14	4.71E-14	0	0	0	0	4.367E-12	3.0159E-08	4.36E-09	2.23966E-14	0	1.37586E-14	0
718	571550.6	4178799	0.55, 41787	0.19818	0.21228	94.10249	39.35835	13.01678	6.4744	8.33543E-11	5.61E-13	8.39E-11	3.96E-08	1.04E-10	3.97E-08	5.47E-09	3.44E-11	5.51E-09	2.59E-14	7.82E-14	4.53E-14	0	0	0	0	4.196E-12	3.9683E-08	5.51E-09	2.15191E-14	0	1.32195E-14	0
719	571590.6	4178799	0.55, 41787	0.19254	0.20073	94.76849	37.66806	12.95063	6.01952	8.09821E-11	5.31E-13	8.15E-11	3.99E-08	9.96E-11	4E-08	5.45E-09	3.42E-11	5.48E-09	2.52E-14	7.59E-14	4.4E-14	0	0	0	0	4.076E-12	3.9959E-08	5.48E-09	2.0903E-14	0	1.2841E-14	0
720	570310.6	4178839	0.55, 41788	0.10118	0.0904	86.93136	38.98232	10.86642	4.87279	4.25562E-11	2.39E-13	4.28E-11	3.66E-08	1.03E-10	3.67E-08	4.57E-09	2.87E-11	4.6E-09	1.32E-14	3.99E-14	2.31E-14	0	0	0	0	2.14E-12	3.6666E-08	4.6E-09	1.09743E-14	0	6.7417E-15	0
721	570350.6	4178839	0.55, 41788	0.1118	0.10104	92.10266	41.60712	11.51283	5.43734	4.7023E-11	2.67E-13	4.73E-11	3.87E-08	1.10E-10	3.88E-08	4.84E-09	3.04E-11	4.87E-09	1.46E-14	4.41E-14	2.55E-14	0	0	0	0	2.365E-12	3.8848E-08	4.87E-09	1.2127E-14	0	7.4498E-15	0
722	570390.6	4178839	0.55, 41788	0.12335	0.11299	101.58992	44.39945	13.097	6.32134	5.18809E-11	2.99E-13	5.22E-11	4.27E-08	1.17E-10	4.28E-08	5.51E-09	3.46E-11	5.54E-09	1.61E-14	4.86E-14	2.81E-14	0	0	0	0	2.609E-12	4.2846E-08	5.54E-09	1.33808E-14	0	8.22006E-15	0
723	570430.6	4178839	0.55, 41788	0.13612	0.12663	105.75261	46.22171	15.10752	6.99394	5.72519E-11	3.35E-13	5.76E-11	4.45E-08	1.22E-10	4.46E-08	6.35E-09	3.99E-11	6.39E-09	1.78E-14	5.37E-14	3.11E-14	0	0	0	0	2.879E-12	4.4602E-08	6.39E-09	1.47674E-14	0	9.07186E-15	0
724	570470.6	4178839	0.55, 41788	0.14941	0.1416	113.55911	47.52324	16.22273	7.30549	6.28417E-11	3.74E-13	6.32E-11	4.78E-08	1.26E-10	4.79E-08	6.82E-09	4.29E-11	6.87E-09	1.95E-14	5.89E-14	3.41E-14	0	0	0	0	3.161E-12	4.7888E-08	6.87E-09	1.6211E-14	0	9.95868E-15	0
725	570510.6	4178839	0.55, 41788	0.16314	0.158	114.44641	50.69094	16.21485	7.16417	6.86165E-11	4.18E-13	6.9E-11	4.81E-08	1.34E-10	4.83E-08	6.82E-09	4.29E-11	6.86E-09	2.13E-14	6.43E-14	3.72E-14	0	0	0	0	3.452E-12	4.827E-08	6.86E-09	1.7703E-14	0	1.08752E-14	0
726	570550.6	4178839	0.55, 41788	0.17704	0.17576	109.2842	56.30775	15.45924	8.75778	7.44628E-11	4.65E-13	7.49E-11	4.6E-08	1.49E-10	4.61E-08	6.5E-09	4.09E-11	6.54E-09	2.31E-14	6.98E-14	4.04E-14	0	0	0	0	3.746E-12	4.6114E-08	6.54E-09	1.92143E-14	0	1.18036E-14	0
727	570590.6	4178839	0.55, 41788	0.1907	0.19445	121.04262	57.73789	17.123	9.62298	8.02082E-11	5.14E-13	8.07E-11	5.09E-08	1.53E-10	5.11E-08	7.2E-09	4.53E-11	7.25E-09	2.49E-14	7.52E-14	4.35E-14	0	0	0	0	4.036E-12	5.1063E-08	7.25E-09	2.07003E-14	0	1.27165E-14	0
728	570630.6	4178839	0.55, 41788	0.20316	0.21304	125.84874	56.85617	17.26057	9.47603	8.54489E-11	5.63E-13	8.6E-11	5.29E-08	1.50E-10	5.31E-08	7.26E-09	4.56E-11	7.31E-09	2.65E-14	8.01E-14	4.64E-14	0	0	0	0	4.301E-12	5.3082E-08	7.31E-09	2.20568E-14	0	1.35498E-14	0
729	570670.6	4178839	0.55, 41788	0.21386	0.23043	138.80556	56.19819	17.35069	9.51337	8.99493E-11	6.09E-13	9.06E-11	5.84E-08	1.49E-10	5.85E-08	7.3E-09	4.59E-11	7.34E-09	2.79E-14	8.44E-14	4.88E-14	0	0	0	0	4.528E-12	5.853E-08	7.34E-09	2.32226E-14	0	1.4266E-14	0
730	570710.6	4178839	0.55, 41788	0.22462	0.24643	139.69865	64.11019	17.46233	11.64998	9.44749E-11	6.51E-13	9.51E-11	5.88E-08	1.69E-10	5.89E-08	7.34E-09	4.62E-11	7.39E-09	2.94E-14	8.86E-14	5.13E-14	0	0	0	0	4.756E-12	5.8927E-08	7.39E-09	2.4394E-14	0	1.49856E-14	0
731	570750.6	4178839	0.55, 41788	0.23931	0.26333	129.30344	65.03758	16.25667	13.35444	1.00654E-10	6.96E-13	1.01E-10	5.44E-08	1.72E-10	5.46E-08	6.84E-09	4.30E-11	6.88E-09	3.13E-14	9.44E-14	5.47E-14	0	0	0	0	5.067E-12	5.4557E-08	6.88E-09	2.59899E-14	0	1.5966E-14	0
732	570790.6	4178839	0.55, 41788	0.2546	0.28325	148.04332	66.52984	18.88746	13.10425	1.07084E-10	7.49E-13	1.08E-10	6.23E-08	1.76E-10	6.24E-08	7.94E-09	4.99E-11	7.99E-09	3.33E-14	1E-13	5.82E-14	0	0	0	0	5.392E-12	6.2443E-08	7.99E-09	2.76526E-14	0	1.69874E-14	0
733	570830.6	4178839	0.55, 41788	0.26766	0.30497	136.3658	90.38201	17.19519	14.05196	1.12578E-10	8.06E-13	1.13E-10	5.74E-08	2.39E-10	5.76E-08	7.23E-09	4.54E-11	7.28E-09	3.5E-14	1.06E-13	6.12E-14	0	0	0	0	5.669E-12	5.7594E-08	7.28E-09	2.90759E-14	0	1.78618E-14	0
734	570870.6	4178839	0.55, 41788	0.28248	0.32215	145.76117	97.26265	18.22015	15.13016	1.18811E-10	8.51E-13	1.2E-10	6.13E-08	2.57E-10	6.16E-08	7.66E-09	4.82E-11	7.71E-09	3.69E-14	1.11E-13	6.45E-14	0	0	0	0	5.983E-12	6.1564E-08	7.71E-09	3.0686E-14	0	1.88509E-14	0
735	570910.6	4178839	0.55, 41788	0.28799	0.33135	130.6935	87.1686	16.33669	13.50967	1.21128E-10	8.76E-13	1.22E-10	5.5E-08	2.30E-10	5.52E-08	6.87E-09	4.32E-11	6.91E-09	3.76E-14	1.14E-13	6.58E-14	0	0	0	0	6.1E-12	5.52E-08	6.91E-09	3.12865E-14	0	1.92198E-14	0
736	570950.6	4178839	0.55, 41788	0.28758	0.33724	143.26415	81.64199	17.90802	13.93242	1.20956E-10	8.91E-13	1.22E-10	6.03E-08	2.16E-10	6.05E-08	7.53E-09	4.73E-11	7.58E-09	3.76E-14	1.14E-13	6.57E-14	0	0	0	0	6.092E-12	6.0473E-08	7.58E-09	3.12463E-14	0	1.91951E-14	0
737	570990.6	4178839	0.55, 41788	0.28844	0.33412	115.42228	74.82901	15.11344	13.01217	1.21318E-10	8.83E-13	1.22E-10	4.85E-08	1.98E-10	4.87E-08	6.36E-09	3.99E-11	6.4E-09	3.77E-14	1.14E-13	6.59E-14	0	0	0	0	6.11E-12	4.8744E-08	6.4E-09	3.13369E-14	0	1.92508E-14	0
738	571030.6	4178839	0.55, 41788	0.29049	0.32848	122.60648	67.85889	20.43441	11.21527	1.2218E-10	8.68E-13	1.23E-10	5.16E-08	1.79E-10	5.17E-08	8.59E-09	5.40E-11	8.65E-09	3.8E-14	1.15E-13	6.64E-14	0	0	0	0	6.152E-12	5.1748E-08	8.65E-09	3.15542E-14	0	1.93843E-14	0
739	571070.6	4178839	0.55, 41788	0.28682	0.32211	145.80556	62.69899	22.09774	10.44682	1.20636E-10	8.51E-13	1.21E-10	6.13E-08	1.66E-10	6.15E-08	9.29E-09	5.84E-11	9.35E-09	3.75E-14	1.13E-13	6.55E-14	0	0	0	0	6.074E-12	6.1491E-08	9.35E-09	3.11541E-14	0	1.91384E-14	0
740	571110.6	4178839	0.55, 41788	0.272	0.3104	131.09883	59.8466	17.36249	9.97443	1.14403E-10	8.20E-13	1.15E-10	5.51E-08	1.58E-10	5.53E-08	7.3E-09	4.59E-11	7.35E-09	3.56E-14	1.07E-13	6.21E-14	0	0	0	0	5.761E-12	5.5298E-08	7.35E-09	2.95477E-14	0	1.81516E-14	0
741	571150.6	4178839	0.55, 41788	0.26	0.30055	99.99815	55.57889	12.49977	9.26315	1.09356E-10	7.94E-13	1.1E-10	4.21E-08	1.47E-10	4.22E-08	5.26E-09	3.30E-11	5.29E-09	3.4E-14	1.03E-13	5.94E-14	0	0	0	0	5.508E-12	4.2206E-08	5.29E-09	2.82467E-14	0	1.73524E-14	0
742	571190.6	4178839	0.55, 41788	0.2552	0.29099	127.82601	53.11626	15.97966	8.85271	1.07337E-10	7.69E-13	1.08E-10	5.38E-08	1.40E-10	5.39E-08	6.72E-09	4.22E-11	6.76E-09	3.34E-14	1.01E-13	5.83E-14	0	0	0	0	5.405E-12	5.3904E-08	6.76E-09	2.77225E-14	0	1.70304E-14	0
743	571230.6	4178839	0.55, 41788	0.25406	0.28009	144.46225	51.51588	18.06666	8.58598	1.06857E-10	7.40E-13	1.08E-10	6.08E-08	1.36E-10	6.09E-08	7.6E-09	4.78E-11	7.65E-09	3.32E-14	1E-13	5.8E-14	0	0	0	0	5.38E-12	6.0897E-08	7.65E-09	2.75922E-14	0	1.69503E-14	0
744	571270.6	4178839	0.55, 41788	0.2507	0.26766	121.82335	49.56018	15.26733	8.26003	1.05444E-10	7.07E-13	1.06E-10	5.12E-08	1.31E-10	5.14E-08	6.42E-09	4.04E-11	6.46E-09	3.28E-14	9.89E-14	5.73E-14	0	0	0	0	5.308E-12	5.137E-08	6.46E-09	2.72213E-14	0	1.67225E-14	0
745	571310.6	4178839	0.55, 41788	0.24184	0.25433	103.21026	44.65355	14.74432	7.58702	1.01718E-10	6.72E-13	1.02E-10	4.34E-08	1.18E-10	4.35E-08	6.2E-09	3.90E-11	6.24E-09	3.16E-14	9.54E-14	5.52E-14	0	0	0	0	5.119E-12	4.3528E-08	6.24E-09	2.62567E-14	0	1.61299E-14	0
746	571350.6	4178839	0.55, 41788	0.22797	0.24079	99.0464	44.12829	14.35742	7.39344	9.58839E-11	6.36E-13	9.65E-11	4.17E-08	1.17E-10	4.18E-08	6.04E-09	3.79E-11	6.08E-09	2.98E-14	8.99E-14	5.21E-14	0	0	0	0	4.826E-12	4.1775E-08	6.08E-09	2.47515E-14	0	1.52053E-14	0
747	571390.6	4178839	0.55, 41788	0.21103	0.22733	102.76287	42.76623	13.91866	7.25999	8.8759E-11	6.01E-13	8.94E-11	4.32E-08	1.13E-10	4.33E-08	5.85E-09	3.68E-11	5.89E-09	2.76E-14	8.33E-14	4.82E-14	0	0	0	0	4.468E-12	4.3335E-08	5.89E-09	2.29153E-14	0	1.40772E-14	0
748	571430.6	4178839	0.55, 41788	0.19469	0.21494	96.70075	41.37793	13.13698	7.12068	8.18864E-11	5.68E-13	8.25E-11	4.07E-08	1.09E-10	4.08E-08	5.53E-09	3.47E-11	5.56E-09	2.54E-14	7.68E-14	4.45E-14	0	0	0	0	4.123E-12	4.0782E-08	5.56E-09	2.11445E-14	0	1.29894E-14	0
749	571470.6	4178839	0.55, 41788	0.18137	0.20392	77.02264	40.18933	10.5662	6.94319	7.6284E-11	5.39E-13	7.68E-11	3.24E-08	1.06E-10	3.25E-08	4.44E-09	2.79E-11	4.47E-09	2.37E-14	7.16E-14	4.14E-14	0	0	0	0	3.841E-12	3.2502E-08	4.47E-09	1.97004E-14	0	1.21023E-14	0
750	571510.6	4178839	0.55, 41788	0.17253	0.19446	52.60803	39.21497	7.34906	6.67327	7.25659E-11	5.14E-13	7.31E-11	2.21E-08	1.04E-10	2.22E-08	3.09E-09	1.94E-11	3.11E-09	2.26E-14	6.81E-14	3.94E-14	0	0	0	0	3.654E-12	2.2231E-08	3.11E-09	1.87405E-14	0	1.15126E-14	0
751	571550.6	4178839	0.55, 41788	0.16797	0.18619	68.59481	38.25365	9.65516	6.29212	7.0648E-11	4.92E-13	7.11E-11	2.89E-08	1.01E-10	2.9E-08	4.06E-09	2.55E-11	4.09E-09	2.2E-14	6.63E-14	3.84E-14	0	0	0	0	3.557E-12	2.8952E-08	4.09E-09	1.82431E-14	0	1.1207E-14	0
752	571590.6	4178839	0.55, 41788	0.16271	0.17607	86.9293	37.04871	11.93163	5.86384	6.84357E-11	4.65E-13	6.89E-11	3.66E-08	9.79E-11	3.67E-08	5.02E-09	3.15E-11	5.05E-09	2.13E-14	6.42E-14	3.72E-14	0	0	0	0	3.445E-12	3.666E-08	5.05E-09	1.76689E-14	0	1.08543E-14	0
753	570839.2	4178446	9.17, 41784	74.46739	6.86955	1115.31188	246.53605	545.24687	92.47095	3.13209E-08	1.82E-11	3.13E-08	4.69E-07	6.52E-10	4.7E-07	2.29E-07	1.44E-09	2.31E-07	9.67E-12	2.92E-11	1.69E-11	0	0	0	0	1.567E-09	4.6975E-07	2.31E-07	8.03654E-12	0	4.93698E-12	0
754	570839.2	4178486	9.17, 41784	72.70489	8.35312	2611.28562	240.43522	1286.82968	90.10385	3.05796E-08	2.21E-11	3.06E-08	1.1E-06	6.35E-10	1.1E-06	5.41E-07	3.40E-09	5.45E-07	9.44E-12	2.85E-11	1.65E-11	0	0	0	0	1.53E-09	1.0989E-06	5.45E-07	7.84744E-12	0	4.82081E-12	0
755	570879.2	4178406	9.17, 41784	9.26791	12.09581	654.37651	281.54322	174.87233	99.71055	3.89807E-09	3.20E-11	3.93E-09	2.75E-07	7.44E-10	2.76E-07	7.36E-08	4.62E-10	7.4E-08	1.21E-12	3.66E-12	2.12E-12	0	0	0	0	1.965E-10	2.7597E-07	7.4E-08	1.00781E-12	0	6.19116E-13	0
756	570879.2	4178446	9.17, 41784	110.98197	13.33715	3333.88644	260.53475	1717.50318	91.01179	4.66789E-08	3.53E-11	4.67E-08	1.4E-06	6.89E-10	1.4E-06	7.22E-07	4.54E-09	7.27E-07	1.44E-11	4.35E-11	2.52E-11	0	0	0	0	2.336E-09	1.4029E-06	7.27E-07	1.19793E-11	0	7.35908E-12	0
757	570879.2	4178486	9.17, 41784	18.42358	13.79846	473.0449	246.35325	141.68031	100.88031	7.74894E-09	3.65E-11	7.79E-09	1.99E-07	6.51E-10	2E-07	5.96E-08	3.74E-10	6E-08	2.4E-12	7.25E-12	4.2E-12	0	0	0	0	3.893E-10	1.9961E-07	6E-08	1.99648E-12	0	1.22647E-12	0
758	570879.2	4178526	9.17, 41785	94.91809	17.71904	3340.71117	271.69492	1490.9797	113.49448	3.99225E-08	4.68E-11	4E-08	1.41E-06	7.18E-10	1.41E-06	6.27E-07	3.94E-09	6.31E-07	1.23E-11	3.72E-11	2.16E-11	0	0	0	0	1.998E-09	1.4058E-06	6.31E-07	1.02497E-11	0	6.29653E-12	0
759	570879.2	4178566	9.17, 41785	6.34056	7.84517	517.57011	248.69096	138.67192	92.32789	2.66683E-09	2.07E-11	2.69E-09	2.18E-07	6.57E-10	2.18E-07	5.83E-08	3.67E-10	5.87E-08	8.29E-13	2.5E-12	1.45E-12	0	0	0	0	1.344E-10	2.1835E-07	5.87E-08	6.89196E-13	0	4.23384E-13	0
760	570919.2	4178366	9.17, 41783	2.36921	8.89638	279.82249	231.14799	50.20448	85.64726	9.96487E-10	2.35E-11	1.02E-09	1.18E-07	6.11E-10	1.18E-07	2.11E-08	1.33E-10	2.12E-08	3.15E-13	9.5E-13	5.5E-13	0	0	0	0	5.1E-11	1.183E-07	2.12E-08	2.61567E-13	0	1.60685E-13	0
761	570919.2	4178406	9.17, 41784	7.16288	18.51893	387.12304	281.06153	102.95605	123.97591	3.0127E-09	4.89E-11	3.06E-09	1.63E-07	7.43E-10	1.64E-07	4.33E-08	2.72E-10	4.36E-08	9.45E-13	2.85E-12	1.65E-12	0	0	0	0	1.531E-10	1.6357E-07	4.36E-08	7.85123E-13	0	4.82314E-13	0
762	570919.2	4178446	9.17, 41784	30.90779	15.96768	761.46723	266.85593	290.35951	97.37786	1.29998E-08	4.22E-11	1.3E-08	3.2E-07	7.05E-10	3.21E-07	1.22E-07	7.67E-10	1.23E-07	4.02E-12	1.22E-11	7.03E-12	0	0	0	0	6.521E-10	3.2098E-07	1.23E-07	3.34447E-12	0	2.05456E-12	0
763	570919.2	4178486	9.17, 41784	29.57453	18.16179	992.62163	281.14129	425.98322	121.6397	1.2439E-08	4.80E-11	1.25E-08	4.17E-07	7.43E-10	4.18E-07	1.79E-07	1.13E-09	1.8E-07	3.85E-12	1.16E-11	6.74E-12	0	0	0	0	6.244E-10	4.1824E-07	1.8E-07	3.20215E-12	0	1.96713E-12	0
764	570919.2	4178526	9.17, 41785	19.47257	21.77306	427.44744	357.8357	126.47105	151.21701	8.19014E-09	5.75E-11	8.25E-09	1.8E-07	9.46E-10	1.81E-07	5.32E-08	3.34E-10	5.35E-08	2.55E-12	7.68E-12	4.45E-12	0	0	0	0	4.124E-10	1.8073E-07	5.35E-08	2.11502E-12	0	1.29929E-12	0
765	570919.2	4178566	9.17, 41785	68.70701	17.81326	3547.24462	326.79695	1121.59815	123.62419	2.88981E-08	4.71E-11	2.89E-08	1.49E-06	8.64E-10	1.49E-06	4.72E-07	2.96E-09	4.75E-07	8.93E-12	2.7E-11	1.56E-11	0	0	0	0	1.447E-09	1.4928E-06	4.75E-07	7.42265E-12	0	4.55986E-12	0
766	570959.2	4178326	9.17, 41783	2.08146	12.83514	279.67021	252.56813	42.32993	97.81035	8.7546E-10	3.39E-11	9.09E-10	1.18E-07	6.68E-10	1.18E-07	1.78E-08	1.12E-10	1.79E-08	2.81E-13	8.47E-13	4.9E-13	0	0	0	0	4.547E-11	1.183E-07	1.79E-08	2.33201E-13	0	1.43259E-13	0
767	570959.2	4178366	9.17, 41783	2.97969	11.80225	241.09871	252.07126	42.48046	78.75938	1.25325E-09	3.12E-11	1.28E-09	1.01E-07	6.66E-10	1.02E-07	1.79E-08	1.12E-10	1.8E-08	3.96E-13	1.2E-12	6.93E-13	0	0	0	0	6.422E-11	1.0207E-07	1.8E-08	3.29382E-13	0	2.02345E-13	0
768	570959.2	4178406	9.17, 41784	5.48321	18.00699	312.89849	292.26242	67.10795	111.57482	2.30623E-09	4.76E-11	2.35E-09	1.32E-07	7.72E-10	1.32E-07	2.82E-08	1.77E-10	2.84E-08	7.26E-13	2.19E-12	1.27E-12	0	0	0	0	1.177E-10	1.3238E-07	2.84E-08	6.03611E-13	0	3.70808E-13	0
769	570959.2	4178446	9.17, 41784	13.2141	15.9724	471.07205	258.82785	129.31081	100.45092	5.55784E-09	4.22E-11	5.6E-09	1.98E-07	6.84E-10	1.99E-07	5.44E-08	3.42E-10	5.47E-08	1.73E-12	5.22E-12	3.02E-12	0	0	0	0	2.8E-10	1.9882E-07	5.47E-08	1.43607E-12	0	8.822E-13	0
770	570959.2	4178486	9.17, 41784	61.20406	15.71053	1330.20017	250.50131	539.4281	101.77571	2.57424E-08	4.15E-11	2.58E-08	5.59E-07	6.62E-10	5.6E-07	2.27E-07	1.43E-09	2.28E-07	7.96E-12	2.4E-11	1.39E-11	0	0	0	0	1.289E-09	5.6014E-07	2.28E-07	6.61198E-12	0	4.06185E-12	0
771	570959.2	4178526	9.17, 41785	233.18259	14.04006	3491.90215	258.73899	1687.05022	110.68808	9.80764E-08	3.71E-11	9.81E-08	1.47E-06	6.84E-10	1.47E-06	7.1E-07	4.46E-09	7.14E-07	3.03E-11	9.14E-11	5.29E-11	0	0	0	0	4.906E-09	1.4694E-06	7.14E-07	2.51601E-11	0	1.54562E-11	0
772	570999.2	4178286	9.17, 41782	4.82709	7.01905	541.05323	230.67805	117.6944	82.70868	2.03027E-09	1.86E-11	2.05E-09	2.28E-07	6.10E-10	2.28E-07	4.95E-08	3.11E-10	4.98E-08	6.32E-13	1.91E-12	1.11E-12	0	0	0	0	1.024E-10	2.2818E-07	4.98E-08	5.25396E-13	0	3.22759E-13	0

773	570999.2	4178326	9.17, 41783	3.49216	17.23511	334.8047	281.26172	73.88295	121.01705	1.4688E-09	4.56E-11	1.51E-09	1.41E-07	7.43E-10	1.42E-07	3.11E-08	1.95E-10	3.13E-08	4.67E-13	1.41E-12	8.17E-13	0	0	0	0	7.572E-11	1.4156E-07	3.13E-08	3.88338E-13	0	2.38562E-13	0
774	570999.2	4178366	9.17, 41783	3.49499	15.86199	258.09779	262.50756	51.99585	99.38677	1.46999E-09	4.19E-11	1.51E-09	1.09E-07	6.94E-10	1.09E-07	2.19E-08	1.37E-10	2.2E-08	4.67E-13	1.41E-12	8.15E-13	0	0	0	0	7.56E-11	1.0925E-07	2.2E-08	3.87712E-13	0	2.38178E-13	0
775	570999.2	4178406	9.17, 41784	4.67229	14.08019	269.25985	258.20089	48.54927	90.52886	1.96516E-09	3.72E-11	2E-09	1.13E-07	6.82E-10	1.14E-07	2.04E-08	1.28E-10	2.05E-08	6.18E-13	1.87E-12	1.08E-12	0	0	0	0	1.001E-10	1.1393E-07	2.05E-08	5.13486E-13	0	3.15443E-13	0
776	570999.2	4178446	9.17, 41784	8.21208	17.59623	365.10896	254.50285	80.87758	113.65243	3.45399E-09	4.65E-11	3.5E-09	1.54E-07	6.73E-10	1.54E-07	3.4E-08	2.14E-10	3.42E-08	1.08E-12	3.26E-12	1.89E-12	0	0	0	0	1.75E-10	1.5424E-07	3.42E-08	8.97662E-13	0	5.51449E-13	0
777	570999.2	4178486	9.17, 41784	18.06608	14.21786	585.19163	263.25351	156.20535	101.07997	7.59857E-09	3.76E-11	7.64E-09	2.46E-07	6.96E-10	2.47E-07	6.57E-08	4.13E-10	6.61E-08	2.36E-12	7.11E-12	4.12E-12	0	0	0	0	3.818E-10	2.4683E-07	6.61E-08	1.9582E-12	0	1.20296E-12	0
778	571039.2	4178246	9.17, 41782	16.91212	6.90765	857.31055	271.11205	274.95229	93.64332	7.11322E-09	1.83E-11	7.13E-09	3.61E-07	7.17E-10	3.61E-07	1.16E-07	7.27E-10	1.16E-07	2.2E-12	6.64E-12	3.85E-12	0	0	0	0	3.566E-10	3.613E-07	1.16E-07	1.82878E-12	0	1.12345E-12	0
779	571039.2	4178286	9.17, 41782	28.85834	15.10006	1240.055	260.3069	549.80999	92.85324	1.21378E-08	3.99E-11	1.22E-08	5.22E-07	6.88E-10	5.22E-07	2.31E-07	1.45E-09	2.33E-07	3.76E-12	1.13E-11	6.57E-12	0	0	0	0	6.089E-10	5.2225E-07	2.33E-07	3.12283E-12	0	1.9184E-12	0
780	571039.2	4178326	9.17, 41783	6.67676	17.1171	443.85334	276.43557	131.23026	111.87763	2.80824E-09	4.52E-11	2.85E-09	1.87E-07	7.31E-10	1.87E-07	5.52E-08	3.47E-10	5.55E-08	8.81E-13	2.66E-12	1.54E-12	0	0	0	0	1.427E-10	1.8741E-07	5.55E-08	7.31742E-13	0	4.49521E-13	0
781	571039.2	4178366	9.17, 41783	4.40971	16.57374	310.01939	259.88486	73.97776	106.04392	1.85472E-09	4.38E-11	1.9E-09	1.3E-07	6.87E-10	1.31E-07	3.11E-08	1.96E-10	3.13E-08	5.86E-13	1.77E-12	1.02E-12	0	0	0	0	9.493E-11	1.3108E-07	3.13E-08	4.86854E-13	0	2.99083E-13	0
782	571039.2	4178406	9.17, 41784	4.40492	15.47088	249.62047	251.60574	54.55389	95.67705	1.8527E-09	4.09E-11	1.89E-09	1.05E-07	6.65E-10	1.06E-07	2.29E-08	1.44E-10	2.31E-08	5.84E-13	1.76E-12	1.02E-12	0	0	0	0	9.468E-11	1.0566E-07	2.31E-08	4.8559E-13	0	2.98306E-13	0
783	571039.2	4178446	9.17, 41784	6.02235	17.33371	271.18693	258.43077	53.34538	113.33058	2.53299E-09	4.58E-11	2.58E-09	1.14E-07	6.83E-10	1.15E-07	2.24E-08	1.41E-10	2.26E-08	7.96E-13	2.4E-12	1.39E-12	0	0	0	0	1.289E-10	1.1474E-07	2.26E-08	6.61305E-13	0	4.06251E-13	0
784	571079.2	4178246	9.17, 41782	26.90238	12.76385	686.22219	257.40547	294.80616	92.56412	1.13151E-08	3.37E-11	1.13E-08	2.89E-07	6.80E-10	2.89E-07	1.24E-07	7.79E-10	1.25E-07	3.5E-12	1.06E-11	6.12E-12	0	0	0	0	5.674E-10	2.893E-07	1.25E-07	2.91028E-12	0	1.78783E-12	0
785	571079.2	4178286	9.17, 41782	49.90964	15.92317	957.6563	283.49226	414.11972	108.09945	2.09919E-08	4.21E-11	2.1E-08	4.03E-07	7.49E-10	4.04E-07	1.74E-07	1.09E-09	1.75E-07	6.49E-12	1.96E-11	1.13E-11	0	0	0	0	1.052E-09	4.0354E-07	1.75E-07	5.39393E-12	0	3.31358E-12	0
786	571079.2	4178326	9.17, 41783	16.67986	14.36437	793.60016	243.70787	313.14105	91.11491	7.01553E-09	3.80E-11	7.05E-09	3.34E-07	6.44E-10	3.34E-07	1.32E-07	8.28E-10	1.33E-07	2.18E-12	6.57E-12	3.8E-12	0	0	0	0	3.527E-10	3.3443E-07	1.33E-07	1.80879E-12	0	1.11117E-12	0
787	571079.2	4178366	9.17, 41783	6.18218	17.09307	419.38901	255.0076	110.95083	108.56867	2.60022E-09	4.52E-11	2.65E-09	1.76E-07	6.74E-10	1.77E-07	4.67E-08	2.93E-10	4.7E-08	8.16E-13	2.46E-12	1.43E-12	0	0	0	0	1.323E-10	1.7707E-07	4.7E-08	6.78381E-13	0	4.1674E-13	0
788	571079.2	4178406	9.17, 41784	4.42977	14.91	310.20505	209.99469	72.09993	91.11305	1.86316E-09	3.94E-11	1.9E-09	1.3E-07	5.55E-10	1.31E-07	3.03E-08	1.91E-10	3.05E-08	5.87E-13	1.77E-12	1.03E-12	0	0	0	0	9.513E-11	1.3103E-07	3.05E-08	4.8789E-13	0	2.99719E-13	0
789	571119.2	4178286	9.17, 41782	25.0824	15.07438	507.91812	256.39153	211.8106	106.96205	1.05496E-08	3.98E-11	1.06E-08	2.14E-07	6.78E-10	2.14E-07	8.91E-08	5.60E-10	8.96E-08	3.27E-12	9.87E-12	5.71E-12	0	0	0	0	5.295E-10	2.1431E-07	8.96E-08	2.71555E-12	0	1.6682E-12	0
790	571119.2	4178326	9.17, 41783	197.49067	14.51391	3348.29445	230.6601	1622.72219	95.52079	8.30644E-08	3.84E-11	8.31E-08	1.41E-06	6.10E-10	1.41E-06	6.83E-07	4.29E-09	6.87E-07	2.56E-11	7.74E-11	4.48E-11	0	0	0	0	4.155E-09	1.4089E-06	6.87E-07	2.13107E-11	0	1.30915E-11	0
791	571119.2	4178366	9.17, 41783	10.01384	12.46582	630.48898	206.62645	198.58486	83.22549	4.21181E-09	3.29E-11	4.24E-09	2.65E-07	5.46E-10	2.66E-07	8.35E-08	5.25E-10	8.4E-08	1.31E-12	3.95E-12	2.29E-12	0	0	0	0	2.122E-10	2.6573E-07	8.4E-08	1.08852E-12	0	6.68695E-13	0
792	571159.2	4178326	9.17, 41783	219.15803	19.05137	3124.9508	277.70648	1560.39264	128.55095	9.21776E-08	5.04E-11	9.22E-08	1.31E-06	7.34E-10	1.32E-06	6.56E-07	4.12E-09	6.6E-07	2.85E-11	8.59E-11	4.97E-11	0	0	0	0	4.611E-09	1.3151E-06	6.6E-07	2.36508E-11	0	1.45291E-11	0
793	570808.8	4178465	8.82, 41784	10.95844	3.34212	1253.90468	193.66587	302.59047	56.7134	4.60911E-09	8.83E-12	4.62E-09	5.27E-07	5.12E-10	5.28E-07	1.27E-07	8.00E-10	1.28E-07	1.43E-12	4.3E-12	2.49E-12	0	0	0	0	2.309E-10	5.279E-07	1.28E-07	1.18422E-12	0	7.27484E-13	0
794	570823.9	4178530	3.91, 41785	3.05561	3.25593	358.64643	197.99385	70.39413	63.38636	1.28519E-09	8.61E-12	1.29E-09	1.51E-07	5.23E-10	1.51E-07	2.96E-08	1.86E-10	2.98E-08	3.99E-13	1.21E-12	6.98E-13	0	0	0	0	6.469E-11	1.5137E-07	2.98E-08	3.31778E-13	0	2.03817E-13	0
795	570883.3	4178602	3.31, 41786	3.07425	4.49746	479.66242	287.53386	94.76169	103.00469	1.29303E-09	1.19E-11	1.3E-09	2.02E-07	7.60E-10	2.03E-07	3.99E-08	2.50E-10	4.01E-08	4.03E-13	1.22E-12	7.04E-13	0	0	0	0	6.525E-11	2.0251E-07	4.01E-08	3.3463E-13	0	2.05569E-13	0
796	571181.5	4178310	1.45, 41783	77.30582	13.12592	2585.53888	242.23364	872.95261	114.20023	3.25147E-08	3.47E-11	3.25E-08	1.09E-06	6.40E-10	1.09E-06	3.67E-07	2.31E-09	3.69E-07	1E-11	3.03E-11	1.76E-11	0	0	0	0	1.627E-09	1.0881E-06	3.69E-07	8.34693E-12	0	5.12765E-12	0
797	571067.8	4178207	7.83, 41782	5.36607	4.9243	895.65181	299.02694	223.56067	96.05921	2.25696E-09	1.30E-11	2.27E-09	3.77E-07	7.90E-10	3.78E-07	9.4E-08	5.91E-10	9.46E-08	7E-13	2.11E-12	1.22E-12	0	0	0	0	1.135E-10	3.775E-07	9.46E-08	5.8211E-13	0	3.57599E-13	0
798	570799.9	4178447	9.89, 41784	4.88888	2.78293	732.83791	152.28075	142.77112	52.0733	2.05626E-09	7.36E-12	2.06E-09	3.08E-07	4.02E-10	3.09E-07	6E-08	3.77E-10	6.04E-08	6.37E-13	1.92E-12	1.11E-12	0	0	0	0	1.032E-10	3.0863E-07	6.04E-08	5.2919E-13	0	3.2509E-13	0
799	490186.7	3860535	6.72, 38605	0.00149		8.11608			1.15944	6.26692E-13	0.00E+00	6.27E-13	3.41E-09	0.00E+00	3.41E-09	0	0.00E+00	0	1.93E-16	5.84E-16	3.38E-16	0	0	0	0	3.133E-14	3.4136E-09	0	1.60708E-16	0	9.87255E-17	0

Mercury

	Trenching	Grading
Emissions Rate (g/s):	1.05E-10	6.58E-13

	BR/BW	A	EF	10^6	CPF	ASF	ED	AT	FAH
3rd	361	1	0.854795	0.000001	0	10	0.25	70	0.85
0<2	1090	1	0.854795	0.000001	0	10	2	70	0.85
2<9	631	1	0.854795	0.000001	0	3	0.75	70	0.72
Student	520	1	0.493151	0.000001	0	3	3	70	1
Worker	230	1	0.684932	0.000001	0	1	3	70	1

Mercury

	Chronic (Annu	Acute (1hr)	8hr
REL:	0.03	0.6	0.06

				Concentration [µg/m^3] at 1 g/s						Concentration (µg/m^3) Unmitigated									Unmitigated Residential Dose			Risk by Age Group				Unmitigated			Student Unmitigated		Worker Unmitigated	
#	X	Y	X,Y	Trenching Period	Grading Period	Treching 1hr	Grading 1hr	Trenching 8hr	Grading 8hr	Trenching Period	Grading Period	Period Total	Treching 1h	Grading 1hr	1hr Total	renching 8h	Grading 8hr	8hr Total	3rd	0<2	2<9	3rd	0<2	2<9	Total Risk	Chronic	Acute	8hr	Dose	Risk	Dose	Risk
1	570310.6	4177919	0.55, 41779	0.08215	0.06425	53.98877	25.74637	6.7486	3.78109	8.60334E-12	4.23E-14	8.65E-12	5.65E-09	1.69E-11	5.67E-09	7.07E-10	4.44E-12	7.11E-10	2.67E-15	8.06E-15	4.66E-15	0	0	0	0	2.882E-10	9.4517E-09	1.19E-08	2.21707E-15	0	1.36198E-15	0
2	570350.6	4177919	0.55, 41779	0.08744	0.06946	61.34869	26.43683	7.66859	3.66465	9.15735E-12	4.57E-14	9.2E-12	6.42E-09	1.74E-11	6.44E-09	8.03E-10	5.05E-12	8.08E-10	2.84E-15	8.57E-15	4.96E-15	0	0	0	0	3.068E-10	1.0737E-08	1.35E-08	2.36002E-15	0	1.4498E-15	0
3	570390.6	4177919	0.55, 41779	0.09273	0.07514	67.57642	27.23616	8.44705	3.80844	9.71135E-12	4.94E-14	9.76E-12	7.08E-09	1.79E-11	7.1E-09	8.85E-10	5.56E-12	8.9E-10	3.01E-15	9.09E-15	5.26E-15	0	0	0	0	3.254E-10	1.1825E-08	1.48E-08	2.50304E-15	0	1.53766E-15	0
4	570430.6	4177919	0.55, 41779	0.09799	0.08123	71.34976	28.07066	8.91872	4.01428	1.02622E-11	5.35E-14	1.03E-11	7.47E-09	1.85E-11	7.49E-09	9.34E-10	5.87E-12	9.4E-10	3.18E-15	9.61E-15	5.56E-15	0	0	0	0	3.439E-10	1.2485E-08	1.57E-08	2.64533E-15	0	1.62507E-15	0
5	570470.6	4177919	0.55, 41779	0.10292	0.08757	71.34124	28.88227	8.91766	4.18506	1.07785E-11	5.76E-14	1.08E-11	7.47E-09	1.90E-11	7.49E-09	9.34E-10	5.87E-12	9.4E-10	3.34E-15	1.01E-14	5.84E-15	0	0	0	0	3.612E-10	1.2484E-08	1.57E-08	2.77881E-15	0	1.70707E-15	0
6	570510.6	4177919	0.55, 41779	0.10719	0.09397	70.57748	29.51269	8.82218	4.31581	1.12257E-11	6.18E-14	1.13E-11	7.39E-09	1.94E-11	7.41E-09	9.24E-10	5.81E-12	9.3E-10	3.48E-15	1.05E-14	6.09E-15	0	0	0	0	3.763E-10	1.2351E-08	1.55E-08	2.89456E-15	0	1.77818E-15	0
7	570550.6	4177919	0.55, 41779	0.11095	0.10041	80.02506	30.00614	10.00313	4.88273	1.16195E-11	6.61E-14	1.17E-11	8.38E-09	1.97E-11	8.4E-09	1.05E-09	6.58E-12	1.05E-09	3.61E-15	1.09E-14	6.3E-15	0	0	0	0	3.895E-10	1.4001E-08	1.76E-08	2.99663E-15	0	1.84088E-15	0
8	570590.6	4177919	0.55, 41779	0.11537	0.10684	81.14556	31.22548	10.14319	5.49199	1.20824E-11	7.03E-14	1.22E-11	8.5E-09	2.05E-11	8.52E-09	1.06E-09	6.68E-12	1.07E-09	3.75E-15	1.13E-14	6.55E-15	0	0	0	0	4.051E-10	1.4198E-08	1.78E-08	3.11642E-15	0	1.91446E-15	0
9	570630.6	4177919	0.55, 41779	0.12154	0.11343	82.02682	32.76834	10.54682	6.07261	1.27285E-11	7.46E-14	1.28E-11	8.59E-09	2.16E-11	8.61E-09	1.1E-09	6.94E-12	1.11E-09	3.95E-15	1.19E-14	6.91E-15	0	0	0	0	4.268E-10	1.4353E-08	1.85E-08	3.28323E-15	0	2.01694E-15	0
10	570670.6	4177919	0.55, 41779	0.12896	0.11974	90.28793	34.09351	12.11861	6.60764	1.35056E-11	7.88E-14	1.36E-11	9.46E-09	2.24E-11	9.48E-09	1.27E-09	7.98E-12	1.28E-09	4.19E-15	1.27E-14	7.33E-15	0	0	0	0	4.528E-10	1.5797E-08	2.13E-08	3.48357E-15	0	2.14001E-15	0
11	570710.6	4177919	0.55, 41779	0.13589	0.12543	92.03158	38.34133	11.50395	7.03486	1.42314E-11	8.25E-14	1.43E-11	9.64E-09	2.52E-11	9.66E-09	1.2E-09	7.57E-12	1.21E-09	4.42E-15	1.33E-14	7.72E-15	0	0	0	0	4.771E-10	1.6106E-08	2.02E-08	3.67064E-15	0	2.25493E-15	0
12	570750.6	4177919	0.55, 41779	0.14097	0.13029	98.93292	42.68075	12.36662	7.25038	1.47634E-11	8.57E-14	1.48E-11	1.04E-08	2.81E-11	1.04E-08	1.3E-09	8.14E-12	1.3E-09	4.58E-15	1.38E-14	8.01E-15	0	0	0	0	4.95E-10	1.7315E-08	2.17E-08	3.80789E-15	0	2.33925E-15	0
13	570790.6	4177919	0.55, 41779	0.1434	0.13429	101.78306	44.96916	12.72288	7.16867	1.50179E-11	8.84E-14	1.51E-11	1.07E-08	2.96E-11	1.07E-08	1.33E-09	8.37E-12	1.34E-09	4.66E-15	1.41E-14	8.15E-15	0	0	0	0	5.035E-10	1.7815E-08	2.23E-08	3.87382E-15	0	2.37975E-15	0
14	570830.6	4177919	0.55, 41779	0.14249	0.1373	103.05806	46.92439	12.88226	6.63254	1.49226E-11	9.04E-14	1.5E-11	1.08E-08	3.09E-11	1.08E-08	1.35E-09	8.48E-12	1.36E-09	4.63E-15	1.4E-14	8.1E-15	0	0	0	0	5.004E-10	1.804E-08	2.26E-08	3.84989E-15	0	2.36505E-15	0
15	570870.6	4177919	0.55, 41779	0.13915	0.13926	113.81753	49.41272	14.22719	6.17659	1.45728E-11	9.16E-14	1.47E-11	1.19E-08	3.25E-11	1.2E-08	1.49E-09	9.36E-12	1.5E-09	4.53E-15	1.37E-14	7.91E-15	0	0	0	0	4.888E-10	1.9921E-08	2.5E-08	3.76052E-15	0	2.31015E-15	0
16	570910.6	4177919	0.55, 41779	0.13537	0.14116	103.09741	52.00284	16.13684	6.50036	1.41769E-11	9.29E-14	1.43E-11	1.08E-08	3.42E-11	1.08E-08	1.69E-09	1.06E-11	1.7E-09	4.4E-15	1.33E-14	7.7E-15	0	0	0	0	4.757E-10	1.8052E-08	2.83E-08	3.65933E-15	0	2.24798E-15	0
17	570950.6	4177919	0.55, 41779	0.13129	0.14261	128.63222	54.75687	19.7206	7.6051	1.37496E-11	9.39E-14	1.38E-11	1.35E-08	3.60E-11	1.35E-08	2.07E-09	1.30E-11	2.08E-09	4.27E-15	1.29E-14	7.47E-15	0	0	0	0	4.614E-10	2.2512E-08	3.46E-08	3.55E-15	0	2.18082E-15	0
18	570990.6	4177919	0.55, 41779	0.12715	0.1442	126.51514	58.01026	18.07359	9.36612	1.33161E-11	9.49E-14	1.34E-11	1.32E-08	3.82E-11	1.33E-08	1.89E-09	1.19E-11	1.9E-09	4.14E-15	1.25E-14	7.23E-15	0	0	0	0	4.47E-10	2.2146E-08	3.17E-08	3.43908E-15	0	2.11269E-15	0
19	571030.6	4177919	0.55, 41779	0.12254	0.14609	125.39004	62.99788	17.19472	10.49965	1.28333E-11	9.61E-14	1.29E-11	1.31E-08	4.15E-11	1.32E-08	1.8E-09	1.13E-11	1.81E-09	3.99E-15	1.2E-14	6.97E-15	0	0	0	0	4.31E-10	2.1955E-08	3.02E-08	3.3156E-15	0	2.03683E-15	0
20	571070.6	4177919	0.55, 41779	0.1201	0.14847	126.80092	67.58831	16.22667	10.87469	1.25777E-11	9.77E-14	1.27E-11	1.33E-08	4.45E-11	1.33E-08	1.7E-09	1.07E-11	1.71E-09	3.91E-15	1.18E-14	6.84E-15	0	0	0	0	4.225E-10	2.2207E-08	2.85E-08	3.25047E-15	0	1.99682E-15	0
21	571110.6	4177919	0.55, 41779	0.1205	0.15044	126.62476	68.47754	20.2586	9.61445	1.26196E-11	9.90E-14	1.27E-11	1.33E-08	4.51E-11	1.33E-08	2.12E-09	1.33E-11	2.13E-09	3.92E-15	1.19E-14	6.86E-15	0	0	0	0	4.24E-10	2.2177E-08	3.56E-08	3.26154E-15	0	2.00362E-15	0
22	571150.6	4177919	0.55, 41779	0.1212	0.15159	131.66409	62.22893	21.10658	9.19459	1.26929E-11	9.98E-14	1.28E-11	1.38E-08	4.10E-11	1.38E-08	2.21E-09	1.39E-11	2.22E-09	3.95E-15	1.19E-14	6.9E-15	0	0	0	0	4.264E-10	2.305E-08	3.71E-08	3.28054E-15	0	2.01529E-15	0
23	571190.6	4177919	0.55, 41779	0.12215	0.15198	137.85581	66.48698	19.69369	10.25241	1.27924E-11	1.00E-13	1.29E-11	1.44E-08	4.38E-11	1.45E-08	2.06E-09	1.30E-11	2.08E-09	3.98E-15	1.2E-14	6.95E-15	0	0	0	0	4.297E-10	2.4135E-08	3.46E-08	3.30612E-15	0	2.031E-15	0
24	571230.6	4177919	0.55, 41779	0.12354	0.15154	148.65332	75.08948	21.23619	9.50538	1.2938E-11	9.97E-14	1.3E-11	1.56E-08	4.94E-11	1.56E-08	2.22E-09	1.40E-11	2.24E-09	4.02E-15	1.21E-14	7.03E-15	0	0	0	0	4.346E-10	2.6029E-08	3.73E-08	3.34337E-15	0	2.05389E-15	0
25	571270.6	4177919	0.55, 41779	0.12544	0.15047	135.01221	73.55453	18.66937	9.80753	1.3137E-11	9.90E-14	1.32E-11	1.41E-08	4.84E-11	1.42E-08	1.96E-09	1.23E-11	1.97E-09	4.08E-15	1.23E-14	7.14E-15	0	0	0	0	4.412E-10	2.3646E-08	3.28E-08	3.39422E-15	0	2.08512E-15	0
26	571310.6	4177919	0.55, 41779	0.12844	0.14895	144.25948	74.57026	18.03243	9.63087	1.34512E-11	9.80E-14	1.35E-11	1.51E-08	4.91E-11	1.52E-08	1.89E-09	1.19E-11	1.9E-09	4.18E-15	1.26E-14	7.31E-15	0	0	0	0	4.516E-10	2.5262E-08	3.17E-08	3.47453E-15	0	2.13446E-15	0
27	571350.6	4177919	0.55, 41779	0.13264	0.1484	134.13439	65.82548	16.7668	8.49886	1.3891E-11	9.77E-14	1.4E-11	1.4E-08	4.33E-11	1.41E-08	1.76E-09	1.10E-11	1.77E-09	4.32E-15	1.3E-14	7.55E-15	0	0	0	0	4.663E-10	2.3485E-08	2.94E-08	3.58723E-15	0	2.2037E-15	0
28	571390.6	4177919	0.55, 41779	0.13487	0.1464	140.45529	51.40311	17.55691	7.98518	1.41246E-11	9.63E-14	1.42E-11	1.47E-08	3.38E-11	1.47E-08	1.84E-09	1.16E-11	1.85E-09	4.39E-15	1.32E-14	7.67E-15	0	0	0	0	4.74E-10	2.4572E-08	3.08E-08	3.64678E-15	0	2.24028E-15	0
29	571430.6	4177919	0.55, 41779	0.14548	0.15293	139.19794	49.3636	17.39974	7.65374	1.52357E-11	1.01E-13	1.53E-11	1.46E-08	3.25E-11	1.46E-08	1.82E-09	1.15E-11	1.83E-09	4.73E-15	1.43E-14	8.27E-15	0	0	0	0	5.112E-10	2.435E-08	3.06E-08	3.93283E-15	0	2.416E-15	0
30	571470.6	4177919	0.55, 41779	0.15916	0.16179	134.87595	45.89373	16.85949	6.86379	1.66684E-11	1.06E-13	1.68E-11	1.41E-08	3.02E-11	1.42E-08	1.77E-09	1.11E-11	1.78E-09	5.18E-15	1.56E-14	9.05E-15	0	0	0	0	5.592E-10	2.3592E-08	2.96E-08	4.30172E-15	0	2.64261E-15	0
31	571510.6	4177919	0.55, 41779	0.17426	0.17151	122.2315	42.4201	15.27894	5.85942	1.82498E-11	1.13E-13	1.84E-11	1.28E-08	2.79E-11	1.28E-08	1.6E-09	1.01E-11	1.61E-09	5.67E-15	1.71E-14	9.9E-15	0	0	0	0	6.121E-10	2.1381E-08	2.68E-08	4.70888E-15	0	2.89274E-15	0
32	571550.6	4177919	0.55, 41779	0.18787	0.18026	112.99449	35.73716	14.12431	5.76206	1.96751E-11	1.19E-13	1.98E-11	1.18E-08	2.35E-11	1.19E-08	1.48E-09	9.30E-12	1.49E-09	6.11E-15	1.84E-14	1.07E-14	0	0	0	0	6.598E-10	1.9762E-08	2.48E-08	5.07587E-15	0	3.11819E-15	0
33	571590.6	4177919	0.55, 41779	0.19949	0.18751	94.68734	29.26563	11.83592	5.30509	2.0892E-11	1.23E-13	2.1E-11	9.92E-09	1.93E-11	9.94E-09	1.24E-09	7.79E-12	1.25E-09	6.48E-15	1.96E-14	1.13E-14	0	0	0	0	7.005E-10	1.6559E-08	2.08E-08	5.38916E-15	0	3.31065E-15	0
34	570310.6	4177959	0.55, 41779	0.08597	0.06676	56.89619	26.25101	7.11202	4.18522	9.0034E-12	4.39E-14	9.05E-12	5.96E-09	1.73E-11	5.98E-09	7.45E-10	4.68E-12	7.5E-10	2.79E-15	8.43E-15	4.88E-15	0	0	0	0	3.016E-10	9.9598E-09	1.25E-08	2.32008E-15	0	1.42526E-15	0
35	570350.6	4177959	0.55, 41779	0.09204	0.07257	58.96006	27.16756	7.37001	4.19821	9.63909E-12	4.78E-14	9.69E-12	6.17E-09	1.79E-11	6.19E-09	7.72E-10	4.85E-12	7.77E-10	2.99E-15	9.03E-15	5.22E-15	0	0	0	0	3.229E-10	1.0321E-08	1.29E-08	2.48408E-15	0	1.52601E-15	0
36	570390.6	4177959	0.55, 41779	0.09833	0.07904	63.0038	28.02201	7.87548	4.15896	1.02978E-11	5.20E-14	1.03E-11	6.6E-09	1.84E-11	6.62E-09	8.25E-10	5.18E-12	8.3E-10	3.19E-15	9.64E-15	5.58E-15	0	0	0	0	3.45E-10	1.1028E-08	1.38E-08	2.6541E-15	0	1.63045E-15	0
37	570430.6	4177959	0.55, 41779	0.10461	0.08611	70.72142	28.76698	8.84018	4.23038	1.09555E-11	5.67E-14	1.1E-11	7.41E-09	1.89E-11	7.43E-09	9.26E-10	5.82E-12	9.32E-10	3.4E-15	1.03E-14	5.94E-15	0	0	0	0	3.671E-10	1.2376E-08	1.55E-08	2.82395E-15	0	1.7348E-15	0
38	570470.6	4177959	0.55, 41779	0.11098	0.09385	78.78718	29.82596	9.8484	4.47695	1.16226E-11	6.18E-14	1.17E-11	8.25E-09	1.96E-11	8.27E-09	1.03E-09	6.48E-12	1.04E-09	3.61E-15	1.09E-14	6.3E-15	0	0	0	0	3.895E-10	1.3785E-08	1.73E-08	2.99632E-15	0	1.84069E-15	0
39	570510.6	4177959	0.55, 41779	0.1169	0.10189	83.26174	30.87615	10.40772	4.70339	1.22426E-11	6.71E-14	1.23E-11	8.72E-09	2.03E-11	8.74E-09	1.09E-09	6.85E-12	1.1E-09	3.8E-15	1.15E-14	6.64E-15	0	0	0	0	4.103E-10	1.4567E-08	1.83E-08	3.15667E-15	0	1.93919E-15	0
40	570550.6	4177959	0.55, 41779	0.12213	0.11	82.46075	31.83495	10.30759	4.9071	1.27903E-11	7.24E-14	1.29E-11	8.64E-09	2.10E-11	8.66E-09	1.08E-09	6.78E-12	1.09E-09	3.97E-15	1.2E-14	6.94E-15	0	0	0	0	4.288E-10	1.4428E-08	1.81E-08	3.2985E-15	0	2.02632E-15	0
41	570590.6	4177959	0.55, 41779	0.1275	0.1185	87.61849	32.53805	10.95231	5.6614	1.33527E-11	7.80E-14	1.34E-11	9.18E-09	2.14E-11	9.2E-09	1.15E-09	7.21E-12	1.15E-09	4.14E-15	1.25E-14	7.24E-15	0	0	0	0	4.477E-10	1.5329E-08	1.92E-08	3.44415E-15	0	2.1158E-15	0
42	570630.6	4177959	0.55, 41779	0.13429	0.12721	94.25098	33.95012	11.78137	6.34882	1.40638E-11	8.37E-14	1.41E-11	9.87E-09	2.23E-11	9.89E-09	1.23E-09	7.75E-12	1.24E-09	4.37E-15	1.32E-14	7.63E-15	0	0	0	0	4.716E-10	1.6488E-08	2.07E-08	3.62797E-15	0	2.22872E-15	0
43	570670.6	4177959	0.55, 41779	0.1434	0.13582	91.47953	35.4429	12.89467	6.97952	1.50179E-11	8.94E-14	1.51E-11	9.58E-09	2.33E-11	9.6E-09	1.35E-09	8.49E-12	1.36E-09	4.66E-15	1.41E-14	8.15E-15	0	0	0	0	5.036E-10	1.6006E-08	2.26E-08	3.87408E-15	0	2.37991E-15	0
44	570710.6	4177959	0.55, 41779	0.15342	0.14402	103.54122	38.62398	12.94265	7.57754	1.60672E-11	9.48E-14	1.62E-11	1.08E-08	2.54E-11	1.09E-08	1.36E-09	8.52E-12	1.36E-09	4.99E-15	1.51E-14	8.72E-15	0	0	0	0	5.387E-10	1.8115E-08	2.27E-08	4.14456E-15	0	2.54607E-15	0
45	570750.6	4177959	0.55, 41779	0.16261	0.1515	105.52732	44.38977	13.19092	8.09206	1.70297E-11	9.97E-14	1.71E-11	1.11E-08	2.92E-11	1.11E-08	1.38E-09	8.68E-12	1.39E-09	5.29E-15	1.6E-14	9.24E-15	0	0	0	0	5.71E-10	1.8468E-08	2.32E-08	4.39263E-15	0	2.69847E-15	0
46	570790.6	4177959	0.55, 41779	0.16989	0.15823	113.60479	47.24143	14.2006	8.3928	1.77921E-11	1.04E-13	1.79E-11	1.19E-08	3.11E-11	1.19E-08	1.49E-09	9.35E-12	1.5E-09	5.52E-15	1.67E-14	9.65E-15	0	0	0	0	5.965E-10	1.9881E-08	2.49E-08	4.58928E-15	0	2.81927E-15	0
47	570830.6	4177959	0.55, 41779	0.1738	0.16401	115.20896	49.45722	14.40112	8.28774	1.82016E-11	1.08E-13	1.83E-11	1.21E-08	3.25E-11	1.21E-08	1.51E-09	9.48E-12	1.52E-09	5.65E-15	1.71E-14	9.88E-15	0	0	0	0	6.103E-10	2.0163E-08	2.53E-08	4.69526E-15	0	2.88438E-15	0
48	570870.6	4177959	0.55, 41779	0.17339	0.16851	122.33209	52.01335	15.29151	7.46689	1.81586E-11	1.11E-13	1.83E-11	1.28E-08	3.42E-11	1.28E-08	1.6E-09	1.01E-11	1.61E-09	5.64E-15	1.7E-14	9.85E-15	0	0	0	0	6.09E-10	2.141E-08	2.69E-08	4.68501E-15	0	2.87808E-15	0
49	570910.6	4177959	0.55, 41779	0.16973	0.17204	128.70888	55.67631	16.08861	6.95954	1.77753E-11	1.13E-13	1.79E-11	1.35E-08	3.66E-11	1.35E-08	1.68E-09	1.06E-11	1.7E-09	5.52E-15	1.67E-14	9.65E-15	0	0	0	0	5.963E-10	2.2527E-08	2.83E-08	4.58731E-15	0	2.81806E-15	0
50	570950.6	4177959	0.55, 41779	0.16375	0.1746	137.78687	58.35606	21.41966	8.40086	1.71491E-11	1.15E-13	1.73E-11	1.44E-08	3.84E-11	1.45E-08	2.24E-09	1.41E-11	2.26E-09	5.33E-15	1.61E-14	9.31E-15	0	0	0	0	5.755E-10	2.4114E-08	3.76E-08	4.42715E-15	0	2.71967E-15	0
51	570990.6	4177959	0.55, 41779	0.1571	0.17611	148.41379	62.43724	21.20197	10.20575	1.64526E-11	1.16E-13	1.66E-11	1.55E-08	4.11E-11	1.56E-08	2.22E-09	1.40E-11	2.23E-09	5.11E-15	1.54E-14	8.94E-15	0	0	0	0	5.523E-10	2.5973E-08	3.72E-08	4.24881E-15	0	2.61011E-15	0
52	571030.6	4177959	0.55, 41779	0.15135	0.1787	141.29712	68.4386	19.05284	11.40643	1.58505E-11	1.18E-13	1.6E-11	1.48E-08	4.50E-11	1.48E-08	2E-09	1.25E-11	2.01E-09	4.93E-15	1.49E-14	8.61E-15	0	0	0	0	5.323E-10	2.4738E-08	3.35E-08	4.09482E-15	0	2.51552E-15	0
53	571070.6	4177959	0.55, 41779	0.14838	0.1815	143.49488	74.36914	18.79197	11.80682	1.55394E-11	1.19E-13	1.57E-11	1.5E-08	4.89E-11	1.51E-08	1.97E-09	1.24E-11	1.98E-09	4.83E-15	1.46E-14	8.45E-15	0	0	0	0	5.22E-10	2.5128E-08	3.3E-08	4.01553E-15	0	2.46681E-15	0
54	571110.6	4177959	0.55, 41779	0.14858	0.18375	140.62761	73.34522	22.74237	10.22286	1.55604E-11	1.21E-13	1.57E-11	1.47E-08	4.83E-11	1.48E-08	2.38E-09	1.50E-11	2.4E-09	4.84E-15	1.46E-14	8.46E-15	0	0	0	0	5.227E-10	2.4626E-08	3.99E-08	4.02128E-15	0	2.47034E-15	0
55	571150.6	4177959	0.55, 41779	0.14994	0.18566	146.3467	67.83983	22.92053	11.48399	1.57028E-11	1.22E-13	1.58E-11	1.53E-08	4.46E-11	1.54E-08	2.4E-09	1.51E-11	2.42E-09	4.88E-15	1.47E-14	8.54E-15	0	0	0	0	5.275E-10	2.5619E-08	4.03E-08	4.05813E-15	0	2.49298E-15	0
56	571190.6	4177959	0.55, 41779	0.1525	0.18616	161.89014	78.97315	23.12716	11.84075	1.59709E-11	1.23E-13	1.61E-11	1.7E-08	5.20E-11	1.7E-08	2.42E-09	1.52E-11	2.44E-09	4.97E-15	1.5E-14	8.68E-15	0	0	0	0	5.364E-10	2.8344E-08	4.06E-08	4.12697E-15	0	2.53526E-15	0
57	571230.6	4177959	0.55, 41779	0.15542	0.18516	156.07845	81.92899	22.29692	11.22006	1.62767E-11	1.22E-13	1.64E-11	1.63E-08	5.39E-11	1.64E-08	2.34E-09	1.47E-11	2.35E-09	5.06E-15	1.53E-14	8.84E-15	0	0	0	0	5.466E-10	2.7333E-08	3.92E-08	4.20522E-15	0	2.58333E-15	0
58	571270.6	4177959	0.55, 41779	0.15909	0.18379	158.42767	82.70179	19.80346	11.54254	1.6661E-11	1.21E-13	1.68E-11	1.66E-08	5.44E-11	1.66E-08	2.07E-09	1.30E-11	2.09E-09	5.18E-15	1.56E-14	9.05E-15	0	0	0	0	5.594E-10	2.7744E-08	3.48E-08	4.30355E-15	0	2.64374E-15	0
59	571310.6	4177959	0.55, 41779	0.1655	0.18382	150.26158	75.50789	18.7827	10.48328	1.73324E-11	1.21E-13	1.75E-11	1.57E-08	4.97E-11	1.58E-08	1.97E-09	1.24E-11	1.98E-09	5.39E-15	1.63E-14	9.41E-15	0	0	0	0	5.818E-10	2.631E-08	3.3E-08	4.4757E-15	0	2.7495E-15	0
60	571350.6	4177959	0.55, 41779	0.17654	0.1881	154.82597	60.83045	19.35325	9.71095	1.84885E-11	1.24E-13	1.86E-11	1.62E-08	4.00E-11	1.63E-08	2.03E-09	1.27E-11	2.04E-09	5.74E-15	1.73E-14	1E-14	0	0	0	0	6.204E-10	2.7091E-08	3.4E-08	4.77291E-15	0	2.93208E-15	0
61	571390.6	4177959	0.55, 41779	0.18842	0.1934	152.92189	54.55359	19.11524	9.16318	1.97327E-11	1.27E-13	1.99E-11	1.6E-08	3.59E-11	1.61E-08	2E-09	1.26E-11	2.01E-09	6.13E-15	1.85E-14	1.07E-14	0	0	0	0	6.62E-10	2.6752E-08	3.36E-08	5.09286E-15	0	3.12863E-15	0
62	571430.6	4177959	0.55, 41779	0.20645	0.20414	148.33328	50.38722	18.54166	8.09078	2.16209E-11	1.34E-13	2.18E-11	1.55E-08	3.32E-11	1.56E-08	1.94E-09	1.22E-11	1.95E-09	6.71E-15	2.03E-14	1.17E-14	0	0	0	0	7.252E-10	2.5946E-08	3.26E-08	5.57889E-15	0	3.4272E-15	0
63	571470.6	4177959	0.55, 41779	0.22554	0.21577	134.13897	46.24246	16.76737	6.92684	2.36202E-11	1.42E-13	2.38E-11	1.4E-08	3.04E-11	1.41E-08	1.76E-09	1.10E-11	1.77E-09	7.33E-15	2.21E-14	1.28E-14	0	0	0	0	7.921E-10	2.3464E-08	2.95E-08	6.09353E-15	0	3.74336E-15	0
64	571510.6	4177959	0.55, 41779	0.24332	0.22654	122.33786	38.55117	15.29223	6.75463	2.54822E-11	1.49E-13	2.56E-11	1.28E-08	2.54E-11	1.28E-08	1.6E-09	1.01E-11	1.61E-09	7.91E-15	2.39E-14	1.38E-14	0	0	0	0	8.544E-10	2.1396E-08	2.69E-08	6.57285E-15	0	4.03781E-15	0
65	571550.6	4177959	0.55, 41779	0.25539	0.23344	100.38932	31.1899	12.54867	6.13877	2.67463E-11	1.54E-13	2.69E-11	1.05E-08	2.05E-11	1.05E-08	1.31E-09	8.26E-12	1.32E-09	8.3E-15	2.51E-14	1.45E-14	0	0	0	0	8.967E-10	1.7557E-08	2.2E-08	6.89817E-15	0	4.23766E-15	0
66	571590.6	4177959	0.55, 41779	0.26174	0.2364	103.20811	24.1035	12.90101	5.55119	2.74113E-11	1.56E-13	2.76E-11	1.08E-08	1.59E-11	1.08E-08	1.35E-09	8.49E-12	1.36E-09	8.51E-15	2.57E-14	1.49E-14	0	0	0	0	9.189E-10	1.8041E-08	2.27E-08	7.0692E-15	0	4.34273E-15	0
67	570310.6	4177999	0.55, 41779	0.08992	0.06909	61.55411	26.71644	7.69426	4.42886	9.41707E-12	4.55E-14	9.46E-12	6.45E-09	1.76E-11	6.46E-09	8.06E-10	5.06E-12	8.11E-10	2.92E-15	8.82E-15	5.1E-15	0	0	0	0	3.154E-10	1.0773E-08	1.35E-08	2.42656E-15	0	1.49067E-15	0
68	570350.6	4177999	0.55, 41779	0.09687	0.07551	63.16088	27.72336	7.89511	4.52605	1.01449E-11	4.97E-14	1.02E-11	6.61E-09	1.82E-11	6.63E-09	8.27E-10	5.20E-12	8.32E-10	3.15E-15	9.5E-15	5.5E-15	0	0	0	0	3.398E-10	1.1055E-08	1.39E-08	2.61429E-15	0	1.606E-15	0
69	570390.6	4177999	0.55, 41779	0.10411	0.08268	65.18315	28.66629	8.14789	4.5901	1.09031E-11	5.44E-14	1.1E-11	6.83E-09	1.89E-11	6.85E-09	8.53E-10	5.36E-12	8.59E-10	3.38E-15	1.02E-14	5.91E-15	0	0	0	0	3.653E-10	1.1409E-08	1.43E-08	2.80994E-15	0	1.72619E-15	0
70	570430.6	4177999	0.55, 41779	0.11178	0.0909	69.77828	29.77159	8.72229	4.64595	1.17064E-11	5.98E-14	1.18E-11	7.31E-09	1.96E-11	7.33E-09	9.13E-10	5.74E-12	9.19E-10	3.63E-15	1.1E-14	6.35E-15	0	0	0	0	3.922E-10	1.2212E-08	1.53E-08	3.01731E-15	0	1.85358E-15	0
71	570470.6	4177999	0.55, 41779	0.11947	0.09994	73.23749	30.82615	9.15469	4.70414	1.25118E-11	6.58E-14	1.26E-11	7.67E-09	2.03E-11	7.69E-09	9.59E-10	6.02E-12	9.65E-10	3.88E-15	1.17E-14	6.78E-15	0	0	0	0	4.193E-10	1.2817E-08	1.61E-08	3.22536E-15	0	1.98139E-15	0
72	570510.6	4177999	0.55, 41779	0.12689	0.1096	83.36058	31.87471	10.42007	5.00665	1.32888E-11	7.21E-14	1.34E-11	8.73E-09	2.10E-11	8.75E-09	1.09E-09	6.86E-12	1.1E-09	4.12E-15	1.24E-14	7.21E-15	0	0	0	0	4.454E-10	1.4585E-08	1.83E-08	3.42626E-15	0	2.10481E-15	0
73	570550.6	4177999	0.55, 41779	0.1338	0.11968	93.92369	33.13511	11.74046	5.30601	1.40125E-11	7.88E-14	1.41E-11	9.84E-09	2.18E-11	9.86E-09	1.23E-09	7.73E-12	1.24E-09	4.35E-15	1.31E-14	7.6E-15	0	0	0	0	4.697E-10	1.643E-08	2.06E-08	3.61354E-15	0	2.21986E-15	0
74	570590.6	4177999	0.55, 41779	0.14077	0.13095	98.98148	34.43475	12.37268	5.77536	1.47424E-11	8.62E-14	1.48E-11	1.04E-08	2.27E-11	1.04E-08	1.3E-09	8.14E-12	1.3E-09	4.58E-15	1.38E-14	8E-15	0	0	0	0	4.943E-10	1.7315E-08	2.17E-08	3.80263E-15	0	2.33602E-15	0
75	570630.6	4177999	0.55, 41779	0.14863	0.14246	96.29887	35.58815	12.03736	6.62596	1.55656E-11	9.38E-14	1.57E-11	1.01E-08	2.34E-11	1.01E-08	1.26E-09	7.92E-12	1.27E-09	4.83E-15	1.46E-14	8.45E-15	0	0	0	0	5.22E-10	1.6848E-08	2.11E-08	4.01566E-15	0	2.46688E-15	0
76	570670.6	4177999	0.55, 41779	0.15906	0.15417	108.0953	37.02771	13.51191	7.37805	1.66579E-11	1.01E-13	1.68E-11	1.13E-08	2.44E-11	1.13E-08	1.42E-09	8.89E-12	1.42E-09	5.17E-15	1.56E-14	9.04E-15	0	0	0	0	5.586E-10	1.8908E-08	2.37E-08	4.29774E-15	0	2.64017E-15	0
77	570710.6	4177999	0.55, 41779	0.17207	0.16581	109.21603	39.28347	14.39109	8.06843	1.80204E-11	1.09E-13	1.81E-11	1.14E-08	2.59E-11	1.15E-08	1.51E-09	9.47E-12	1.52E-09	5.59E-15	1.69E-14	9.78E-15	0	0	0	0	6.043E-10	1.9106E-08	2.53E-08	4.64911E-15	0	2.85602E-15	0
78	570750.6	4177999	0.55, 41779	0.18601	0.17706	119.66853	46.10023	14.95857	8.7788	1.94803E-11	1.17E-13	1.96E-11	1.25E-08	3.03E-11	1.26E-08	1.57E-09	9.84E-12	1.58E-09	6.05E-15	1.83E-14	1.06E-14	0	0	0	0	6.532E-10	2.0938E-08	2.63E-08	5.02538E-15	0	3.08717E-15	0
79	570790.6	4177999	0.55, 41779	0.19953	0.18772	122.67556	49.8289	15.33445	9.45426	2.08962E-11	1.24E-13	2.1E-11	1.28E-08	3.28E-11	1.29E-08	1.61E-09	1.01E-11	1.62E-09	6.49E-15	1.96E-14	1.13E-14	0	0	0	0	7.007E-10	2.1467E-08	2.69E-08	5.39027E-15	0	3.31133E-15	0
80	570830.6	4177999	0.55, 41779	0.21109	0.19773	133.54261	52.4094	16.69283	9.90962	2.21069E-11	1.30E-13	2.22E-11	1.4E-08	3.45E-11	1.4E-08	1.75E-09	1.10E-11	1.76E-09	6.86E-15	2.07E-14	1.2E-14	0	0	0	0	7.412E-10	2.3367E-08	2.93E-08	5.70242E-15	0	3.50309E-15	0
81	570870.6	4177999	0.55, 41779	0.21804	0.20674	131.45449	55.15858	16.43181	9.77159	2.28347E-11	1.36E-13	2.3E-11	1.38E-08	3.63E-11	1.38E-08	1.72E-09	1.08E-11	1.73E-09	7.09E-15	2.14E-14	1.24E-14	0	0	0	0	7.657E-10	2.3005E-08	2.89E-08	5.89059E-15	0	3.61868E-15	0
82	570910.6	4177999	0.55, 41779	0.21803	0.21414	148.11273	59.13207	18.51409	8.43226	2.28337E-11	1.41E-13	2.3E-11	1.55E-08	3.89E-11	1.56E-08	1.94E-09	1.22E-11	1.95E-09	7.09E-15	2.14E-14	1.24E-14	0	0	0	0	7.658E-10	2.5917E-08	3.25E-08	5.89157E-15	0	3.61929E-15	0
83	570950.6	4177999	0.55, 41779	0.2114	0.21889	140.12444	63.58464	21.83562	9.32684	2.21393E-11	1.44E-13	2.23E-11	1.47E-08	4.18E-11	1.47E-08	2.29E-09	1.44E-11	2.3E-09	6.88E-15	2.08E-14	1.2E-14	0	0	0	0	7.428E-10	2.4528E-08	3.84E-08	5.71431E-15	0	3.5104E-15	0
84	570990.6	4177999	0.55, 41779	0.2013	0.22185	171.25011	67.61488	25.43318	11.18299	2.10816E-11	1.46E-13	2.12E-11	1.79E-08	4.45E-11	1.8E-08	2.66E-09	1.67E-11	2.68E-09	6.55E-15	1.98E-14	1.14E-14	0	0	0	0	7.076E-10	2.9965E-08	4.47E-08	5.44357E-15	0	3.34407E-15	0
85	571030.6	4177999	0.55, 41779	0.19301	0.22456	161.4506	75.02365	21.94671	12.50394	2.02134E-11	1.48E-13	2.04E-11	1.69E-08	4.94E-11	1.7E-08	2.3E-09	1.44E-11	2.31E-09	6.28E-15	1.9E-14	1.1E-14	0	0	0	0	6.787E-10	2.8263E-08	3.85E-08	5.22139E-15	0	3.20758E-15	0
86	571070.6	4177999	0.55, 41779	0.18927	0.22808	165.36156	82.48884	21.97245	12.95225	1.98217E-11	1.50E-13	2E-11	1.73E-08	5.43E-11	1.74E-08	2.3E-09	1.45E-11	2.32E-09	6.16E-15	1.86E-14	1.08E-14	0	0	0	0	6.657E-10	2.8954E-08	3.86E-08	5.12154E-15	0	3.14624E-15	0
87	571110.6	4177999	0.55, 41779	0.18141	0.21619	158.60632	80.72549	25.62624	11.81551	1.89986E-11	1.42E-13	1.91E-11	1.66E-08	5.31E-11	1.67E-08	2.68E-09	1.69E-11	2.7E-09	5.91E-15	1.78E-14	1.03E-14	0	0	0	0	6.38E-10	2.7773E-08	4.5E-08	4.90844E-15	0	3.01534E-15	0
88	571150.6	4177999	0.55, 41779	0.19202	0.23351	164.05988	80.40402	24.96785	14.13496	2.01097E-11	1.54E-13	2.03E-11	1.72E-08	5.29E-11	1.72E-08	2.61E-09	1.64E-11	2.63E-09	6.25E-15	1.89E-14	1.09E-14	0	0	0	0	6.754E-10	2.8724E-08	4.39E-08	5.19631E-15	0	3.19218E-15	0
89	571190.6	4177999	0.55, 41779	0.1978	0.23414	182.21875	91.74664	26.03125	13.21695	2.0715E-11	1.54E-13	2.09E-11	1.91E-08	6.04E-11	1.91E-08	2.73E-09	1.71E-11	2.74E-09	6.44E-15	1.94E-14	1.13E-14	0	0	0	0	6.956E-10	3.1906E-08	4.57E-08	5.35164E-15	0	3.2876E-15	0
90	571230.6	4177999	0.55, 41779	0.20367	0.23289	172.67663	91.69738	22.62496	13.85272	2.13298E-11	1.53E-13	2.15E-11	1.81E-08	6.03E-11	1.81E-08	2.37E-09	1.49E-11	2.38E-09	6.63E-15	2E-14	1.16E-14	0	0	0	0	7.161E-10	3.024E-08	3.97E-08	5.50908E-15	0	3.38432E-15	0
91	571270.6	4177999	0.55, 41779	0.21358	0.23476	171.66845	86.35935	21.45856	13.01074	2.23676E-11	1.54E-13	2.25E-11	1.8E-08	5.68E-11	1.8E-08	2.25E-09	1.41E-11	2.26E-09	6.95E-15	2.1E-14	1.21E-14	0	0	0	0	7.507E-10	3.0059E-08	3.77E-08	5.77554E-15	0	3.54801E-15	0
92	571310.6	4177999	0.55, 41779	0.23025	0.24083	171.26207	72.34733	21.40776	11.81711	2.41134E-11	1.58E-13	2.43E-11	1.79E-08	4.76E-11	1.8E-08	2.24E-09	1.41E-11	2.26E-09	7.49E-15	2.26E-14	1.31E-14	0	0	0	0	8.091E-10	2.9972E-08	3.76E-08	6.22425E-15	0	3.82366E-15	0
93	571350.6	4177999	0.55, 41779	0.25373	0.25254	169.27826	60.68614	21.15978	11.13084	2.65724E-11	1.66E-13	2.67E-11	1.77E-08	3.99E-11	1.78E-08	2.22E-09	1.39E-11	2.23E-09	8.25E-15	2.49E-14	1.44E-14	0	0	0	0	8.913E-10	2.9613E-08	3.72E-08	6.85681E-15	0	4.21225E-15	0
94	571390.6	4177999	0.55, 41779	0.27999	0.26698	164.13881	55.69534	20.51735	9.69774	2.93226E-11	1.76E-13	2.95E-11	1.72E-08	3.67E-11	1.72E-08	2.15E-09	1.35E-11	2.16E-09	9.1E-15	2.75E-14	1.59E-14	0	0	0	0	9.833E-10	2.8711E-08	3.6E-08	7.56449E-15	0	4.64699E-15	0
95	571430.6	4177999	0.55, 41779	0.30187	0.27888	148.06777	50.74185	18.50847	8.30154	3.1614E-11	1.84E-13	3.18E-11	1.55E-08	3.34E-11	1.55E-08	1.94E-09	1.22E-11	1.95E-09	9.81E-15	2.96E-14	1.72E-14	0	0	0	0	1.06E-09	2.59E-08	3.25E-08	8.15411E-15	0	5.0092E-15	0
96	571470.6	4177999	0.55, 41779	0.32222	0.29016	133.22849	41.8567	16.65356	8.00082	3.37452E-11	1.91E-13	3.39E-11	1.4E-08	2.75E-11	1.4E-08	1.74E-09	1.10E-11	1.76E-09	1.05E-14	3.16E-14	1.83E-14	0	0	0	0	1.131E-09	2.33E-08	2.93E-08	8.70253E-15	0	5.34611E-15	0
97	571510.6	4177999	0.55, 41779	0.33311	0.29527	113.25391	33.39085	14.15674	7.16119	3.48857E-11	1.94E-13	3.51E-11	1.19E-08	2.20E-11	1.19E-08	1.48E-09	9.32E-12	1.49E-09	1.08E-14	3.27E-14	1.89E-14	0	0	0	0	1.169E-09	1.9805E-08	2.49E-08	8.99586E-15	0	5.5263E-15	0
98	571550.6	4177999	0.55, 41779	0.33431	0.29408	118.79132	25.19774	14.84891	6.75336	3.50113E-11	1.94E-13	3.52E-11	1.24E-08	1.66E-11	1.25E-08	1.56E-09	9.77E-12	1.56E-09	1.09E-14	3.28E-14	1.9E-14	0	0	0	0	1.173E-09	2.0762E-08	2.61E-08	9.02788E-15	0	5.54597E-15	0
99	571590.6	4177999	0.55, 41779	0.32897	0.28857	117.12124	19.87515	14.64016	6.7762	3.44521E-11	1.90E-13	3.46E-11	1.23E-08	1.31E-11	1.23E-08	1.53E-09	9.63E-12	1.54E-09	1.07E-14	3.23E-14	1.87E-14	0	0	0	0	1.155E-09	2.0465E-08	2.57E-08	8.88354E-15	0	5.4573E-15	0
100	570310.6	4178039	0.55, 41780	0.09395	0.07118	60.38117	27.45867	7.54765	4.57644	9.83912E-12	4.68E-14	9.89E-12	6.32E-09	1.81E-11	6.34E-09	7.9E-10	4.97E-12	7.95E-10	3.05E-15	9.21E-15	5.33E-15	0	0	0	0	3.295E-10	1.0569E-08	1.33E-08	2.53514E-15	0	1.55738E-15	0
101	570350.6	4178039	0.55, 41780	0.10181	0.07823	67.40685	28.30867	8.42586	4.71811	1.06623E-11	5.15E-14	1.07E-11	7.06E-09	1.86E-11	7.08E-09	8.82E-10	5.55E-12	8.88E-10	3.31E-15	9.98E-15	5.78E-15	0	0	0	0	3.571E-10	1.1797E-08	1.48E-08	2.74742E-15	0	1.68778E-15	0
102	570390.6	4178039	0.55, 41780	0.11033	0.08626	70.86935	29.39362	8.85867	4.86131	1.15546E-11	5.68E-14	1.16E-11	7.42E-09	1.93E-11	7.44E-09	9.28E-10	5.83E-12	9.34E-10	3.58E-15	1.08E-14	6.26E-15	0	0	0	0	3.87E-10	1.2402E-08	1.56E-08	2.97759E-15	0	1.82918E-15	0
103	570430.6	4178039	0.55, 41780	0.11935	0.09539	72.77771	30.53752	9.09721	4.99157	1.24992E-11	6.28E-14	1.26E-11	7.62E-09	2.01E-11	7.64E-09	9.53E-10	5.99E-12	9.59E-10	3.88E-15	1.17E-14	6.78E-15	0	0	0	0	4.187E-10	1.2737E-08	1.6E-08	3.22137E-15	0	1.97894E-15	0
104	570470.6	4178039	0.55, 41780	0.12876	0.10583	77.88414	31.78332	9.73552	5.12346	1.34847E-11	6.96E-14	1.36E-11	8.16E-09	2.09E-11	8.18E-09	1.02E-09	6.41E-12	1.03E-09	4.18E-15	1.26E-14	7.31E-15	0	0	0	0	4.518E-10	1.3629E-08	1.71E-08	3.47585E-15	0	2.13527E-15	0
105	570510.6	4178039	0.55, 41780	0.13797	0.11733	81.61557	33.05226	10.20195	5.27698	1.44492E-11	7.72E-14	1.45E-11	8.55E-09	2.18E-11	8.57E-09	1.07E-09	6.71E-12	1.08E-09	4.48E-15	1.35E-14	7.84E-15	0	0	0	0	4.842E-10	1.4282E-08	1.79E-08	3.72513E-15	0	2.28841E-15	0
106	570550.6	4178039	0.55, 41780	0.14677	0.12979	83.22783	34.40977	10.40348	5.64664	1.53708E-11	8.54E-14	1.55E-11	8.72E-09	2.26E-11	8.74E-09	1.09E-09	6.85E-12	1.1E-09	4.77E-15	1.44E-14	8.34E-15	0	0	0	0	5.152E-10	1.4565E-08	1.83E-08	3.96357E-15	0	2.43488E-15	0
107	570590.6	4178039	0.55, 41780	0.15543	0.14397	100.7883	35.81672	12.59854	6.05306	1.62777E-11	9.47E-14	1.64E-11	1.06E-08	2.36E-11	1.06E-08	1.32E-09	8.29E-12	1.33E-09	5.05E-15	1.53E-14	8.83E-15	0	0	0	0	5.457E-10	1.7631E-08	2.21E-08	4.19854E-15	0	2.57923E-15	0
108	570630.6	4178039	0.55, 41780	0.16446	0.15887	114.63184	37.47906	14.32898	6.85921	1.72234E-11	1.05E-13	1.73E-11	1.2E-08	2.47E-11	1.2E-08	1.5E-09	9.43E-12	1.51E-09	5.35E-15	1.61E-14	9.35E-15	0	0	0	0	5.776E-10	2.005E-08	2.52E-08	4.44356E-15	0	2.72975E-15	0
109	570670.6	4178039	0.55, 41780	0.17604	0.17458	120.19022	39.09251	15.02378	7.81169	1.84362E-11	1.15E-13	1.86E-11	1.26E-08	2.57E-11	1.26E-08	1.57E-09	9.89E-12	1.58E-09	5.72E-15	1.73E-14	1E-14	0	0	0	0	6.184E-10	2.1022E-08	2.64E-08	4.7572E-15	0	2.92243E-15	0
110	570710.6	4178039	0.55, 41780	0.19156	0.191	122.05191	40.81454	15.86896	8.63568	2.00615E-11	1.26E-13	2.02E-11	1.28E-08	2.69E-11	1.28E-08	1.66E-09	1.04E-11	1.67E-09	6.23E-15	1.88E-14	1.09E-14	0	0	0	0	6.729E-10	2.1348E-08	2.79E-08	5.17678E-15	0	3.18018E-15	0
111	570750.6	4178039	0.55, 41780	0.2105	0.20761	132.53323	47.68084	16.56665	9.43658	2.20451E-11	1.37E-13	2.22E-11	1.39E-08	3.14E-11	1.39E-08	1.73E-09	1.09E-11	1.75E-09	6.84E-15	2.07E-14	1.2E-14	0	0	0	0	7.394E-10	2.3185E-08	2.91E-08	5.68824E-15	0	3.49438E-15	0
112	570790.6	4178039	0.55, 41780	0.23169	0.22417	139.552	52.7884	17.444	10.33029	2.42642E-11	1.48E-13	2.44E-11	1.46E-08	3.47E-11	1.46E-08	1.83E-09	1.15E-11	1.84E-09	7.53E-15	2.27E-14	1.32E-14	0	0	0	0	8.137E-10	2.4416E-08	3.06E-08	6.26011E-15	0	3.84569E-15	0
113	570830.6	4178039	0.55, 41780	0.25382	0.24067	145.24751	55.81087	18.15594	11.28689	2.65819E-11	1.58E-13	2.67E-11	1.52E-08	3.67E-11	1.52E-08	1.9E-09	1.19E-11	1.91E-09	8.25E-15	2.49E-14	1.44E-14	0	0	0	0	8.913E-10	2.5413E-08	3.19E-08	6.85722E-15	0	4.2125E-15	0
114	570870.6	4178039	0.55, 41780	0.27385	0.25672	159.27674	59.06353	19.90959	12.04587	2.86795E-11	1.69E-13	2.88E-11	1.67E-08	3.89E-11	1.67E-08	2.09E-09	1.31E-11	2.1E-09	8.9E-15	2.69E-14	1.56E-14	0	0	0	0	9.616E-10	2.7866E-08	3.5E-08	7.39786E-15	0	4.54463E-15	0
115	570910.6	4178039	0.55, 41780	0.28498	0.272	154.31681	63.03506	19.2896	11.80173	2.98452E-11	1.79E-13	3E-11	1.62E-08	4.15E-11	1.62E-08	2.02E-09	1.27E-11	2.03E-09	9.26E-15	2.8E-14	1.62E-14	0	0	0	0	1.001E-09	2.7004E-08	3.39E-08	7.69935E-15	0	4.72983E-15	0
116	570950.6	4178039	0.55, 41780	0.28313	0.28254	178.15221	69.82475	22.26903	10.41815	2.96514E-11	1.86E-13	2.98E-11	1.87E-08	4.60E-11	1.87E-08	2.33E-09	1.47E-11	2.35E-09	9.21E-15	2.78E-14	1.61E-14	0	0	0	0	9.946E-10	3.1172E-08	3.91E-08	7.65144E-15	0	4.7004E-15	0
117	570990.6	4178039	0.55, 41780	0.27042	0.28832	188.87787	74.10995	29.14051	12.35166	2.83203E-11	1.90E-13	2.85E-11	1.98E-08	4.88E-11	1.98E-08	3.05E-09	1.92E-11	3.07E-09	8.8E-15	2.66E-14	1.54E-14	0	0	0	0	9.503E-10	3.3049E-08	5.12E-08	7.31108E-15	0	4.49131E-15	0
118	571030.6	4178039	0.55, 41780	0.25749	0.29249	188.96663	83.29257	26.99523	13.88209	2.69662E-11	1.92E-13	2.72E-11	1.98E-08	5.48E-11	1.98E-08	2.83E-09	1.78E-11	2.84E-09	8.38E-15	2.53E-14	1.46E-14	0	0	0	0	9.053E-10	3.3075E-08	4.74E-08	6.96453E-15	0	4.27842E-15	0
119	571070.6	4178039	0.55, 41780	0.25163	0.29646	192.59035	92.57991	26.01862	14.40126	2.63525E-11	1.95E-13	2.65E-11	2.02E-08	6.09E-11	2.02E-08	2.72E-09	1.71E-11	2.74E-09	8.19E-15	2.47E-14	1.43E-14	0	0	0	0	8.849E-10	3.3717E-08	4.57E-08	6.80782E-15	0	4.18216E-15	0
120	571110.6	4178039	0.55, 41780	0.23996	0.28057	179.79911	89.13384	29.33997	15.522	2.51303E-11	1.85E-13	2.53E-11	1.88E-08	5.87E-11	1.89E-08	3.07E-09	1.93E-11	3.09E-09	7.81E-15	2.36E-14	1.37E-14	0	0	0	0	8.438E-10	3.1481E-08	5.15E-08	6.49173E-15	0	3.98798E-15	0
121	571150.6	4178039	0.55, 41780	0.25767	0.30302	202.30498	100.11261	28.90071	16.95197	2.69851E-11	1.99E-13	2.72E-11	2.12E-08	6.59E-11	2.13E-08	3.03E-09	1.90E-11	3.05E-09	8.39E-15	2.53E-14	1.47E-14	0	0	0	0	9.061E-10	3.5421E-08	5.08E-08	6.97114E-15	0	4.28249E-15	0
122	571190.6	4178039	0.55, 41780	0.27122	0.30641	194.68377	101.89225	27.81197	16.7188	2.84041E-11	2.02E-13	2.86E-11	2.04E-08	6.71E-11	2.05E-08	2.91E-09	1.83E-11	2.93E-09	8.83E-15	2.67E-14	1.54E-14	0	0	0	0	9.535E-10	3.4093E-08	4.88E-08	7.33561E-15	0	4.50639E-15	0
123	571230.6	4178039	0.55, 41780	0.28804	0.31092	196.84209	99.06119	24.60526	16.26482	3.01656E-11	2.05E-13	3.04E-11	2.06E-08	6.52E-11	2.07E-08	2.58E-09	1.62E-11	2.59E-09	9.37E-15	2.83E-14	1.64E-14	0	0	0	0	1.012E-09	3.4467E-08	4.32E-08	7.78809E-15	0	4.78435E-15	0
124	571270.6	4178039	0.55, 41780	0.31661	0.32283	191.8709	85.51951	23.98386	14.63938	3.31577E-11	2.12E-13	3.34E-11	2.01E-08	5.63E-11	2.02E-08	2.51E-09	1.58E-11	2.53E-09	1.03E-14	3.11E-14	1.8E-14	0	0	0	0	1.112E-09	3.3584E-08	4.21E-08	8.55738E-15	0	5.25694E-15	0
125	571310.6	4178039	0.55, 41780	0.35598	0.34149	189.38373	68.10225	23.67297	13.72977	3.72808E-11	2.25E-13	3.75E-11	1.98E-08	4.48E-11	1.99E-08	2.48E-09	1.56E-11	2.49E-09	1.16E-14	3.49E-14	2.02E-14	0	0	0	0	1.25E-09	3.3131E-08	4.16E-08	9.61785E-15	0	5.9084E-15	0
126	571350.6	4178039	0.55, 41780	0.39399	0.35989	182.95784	62.01914	22.86973	11.81322	4.12615E-11	2.37E-13	4.15E-11	1.92E-08	4.08E-11	1.92E-08	2.4E-09	1.51E-11	2.41E-09	1.28E-14	3.87E-14	2.24E-14	0	0	0	0	1.383E-09	3.2002E-08	4.02E-08	1.06418E-14	0	6.53741E-15	0
127	571390.6	4178039	0.55, 41780	0.4222	0.3733	164.47464	56.17724	20.55933	10.13431	4.42158E-11	2.46E-13	4.45E-11	1.72E-08	3.70E-11	1.73E-08	2.15E-09	1.35E-11	2.17E-09	1.37E-14	4.14E-14	2.4E-14	0	0	0	0	1.482E-09	2.877E-08	3.61E-08	1.14016E-14	0	7.00421E-15	0
128	571430.6	4178039	0.55, 41780	0.44026	0.38105	146.31006	45.8458	18.28876	9.60517	4.61072E-11	2.51E-13	4.64E-11	1.53E-08	3.02E-11	1.54E-08	1.92E-09	1.20E-11	1.93E-09	1.43E-14	4.32E-14	2.5E-14	0	0	0	0	1.545E-09	2.5588E-08	3.21E-08	1.1888E-14	0	7.30297E-15	0
129	571470.6	4178039	0.55, 41780	0.44344	0.3799	134.05635	35.96521	16.75704	8.42199	4.64402E-11	2.50E-13	4.67E-11	1.4E-08	2.37E-11	1.41E-08	1.75E-09	1.10E-11	1.77E-09	1.44E-14	4.35E-14	2.52E-14	0	0	0	0	1.556E-09	2.3438E-08	2.94E-08	1.19732E-14	0	7.35531E-15	0
130	571510.6	4178039	0.55, 41780	0.43369	0.37075	135.2804	26.4112	16.91005	8.14543	4.54191E-11	2.44E-13	4.57E-11	1.42E-08	1.74E-11	1.42E-08	1.77E-09	1.11E-11	1.78E-09	1.41E-14	4.25E-14	2.46E-14	0	0	0	0	1.522E-09	2.3642E-08	2.97E-08	1.17098E-14	0	7.19351E-15	0
131	571550.6	4178039	0.55, 41780	0.4157	0.35641	128.00174	25.24959	16.00022	7.84928	4.35351E-11	2.35E-13	4.38E-11	1.34E-08	1.66E-11	1.34E-08	1.68E-09	1.05E-11	1.69E-09	1.35E-14	4.08E-14	2.36E-14	0	0	0	0	1.459E-09	2.237E-08	2.81E-08	1.12242E-14	0	6.89522E-15	0
132	571590.6	4178039	0.55, 41780	0.38889	0.33646	114.21376	28.264	14.27672	7.21894	4.07274E-11	2.21E-13	4.09E-11	1.2E-08	1.86E-11	1.2E-08	1.5E-09	9.40E-12	1.5E-09	1.26E-14	3.82E-14	2.21E-14	0	0	0	0	1.365E-09	1.9966E-08	2.51E-08	1.05008E-14	0	6.45084E-15	0
133	570310.6	4178079	0.55, 41780	0.09792	0.07296	71.40728	28.01469	8.92591	4.66912	1.02549E-11	4.80E-14	1.03E-11	7.48E-09	1.84E-11	7.5E-09	9.35E-10	5.87E-12	9.41E-10	3.18E-15	9.6E-15	5.56E-15	0	0	0	0	3.434E-10	1.2495E-08	1.57E-08	2.64206E-15	0	1.62306E-15	0
134	570350.6	4178079	0.55, 41780	0.1067	0.08065	70.03301	29.10671	8.75413	4.85112	1.11744E-11	5.31E-14	1.12E-11	7.33E-09	1.92E-11	7.35E-09	9.17E-10	5.76E-12	9.23E-10	3.46E-15	1.05E-14	6.06E-15	0	0	0	0	3.742E-10	1.2256E-08	1.54E-08	2.87915E-15	0	1.76871E-15	0
135	570390.6	4178079	0.55, 41780	0.11641	0.08948	73.93226	30.15719	9.24153	5.0262	1.21913E-11	5.89E-14	1.23E-11	7.74E-09	1.98E-11	7.76E-09	9.68E-10	6.08E-12	9.74E-10	3.78E-15	1.14E-14	6.61E-15	0	0	0	0	4.083E-10	1.2938E-08	1.62E-08	3.14142E-15	0	1.92982E-15	0
136	570430.6	4178079	0.55, 41780	0.12715	0.09969	79.99098	31.34254	9.99887	5.20891	1.33161E-11	6.56E-14	1.34E-11	8.38E-09	2.06E-11	8.4E-09	1.05E-09	6.58E-12	1.05E-09	4.13E-15	1.25E-14	7.22E-15	0	0	0	0	4.461E-10	1.3996E-08	1.76E-08	3.43157E-15	0	2.10807E-15	0
137	570470.6	4178079	0.55, 41780	0.13857	0.11144	81.53824	32.65768	10.19228	5.39019	1.4512E-11	7.33E-14	1.46E-11	8.54E-09	2.15E-11	8.56E-09	1.07E-09	6.71E-12	1.07E-09	4.5E-15	1.36E-14	7.87E-15	0	0	0	0	4.862E-10	1.4268E-08	1.79E-08	3.74025E-15	0	2.2977E-15	0
138	570510.6	4178079	0.55, 41780	0.15049	0.12507	87.75299	34.11951	10.96912	5.60116	1.57604E-11	8.23E-14	1.58E-11	9.19E-09	2.25E-11	9.21E-09	1.15E-09	7.22E-12	1.16E-09	4.89E-15	1.48E-14	8.55E-15	0	0	0	0	5.281E-10	1.5354E-08	1.93E-08	4.06268E-15	0	2.49577E-15	0
139	570550.6	4178079	0.55, 41780	0.16198	0.14034	91.64015	35.64897	11.45502	5.99366	1.69637E-11	9.24E-14	1.71E-11	9.6E-09	2.35E-11	9.62E-09	1.2E-09	7.54E-12	1.21E-09	5.26E-15	1.59E-14	9.2E-15	0	0	0	0	5.685E-10	1.6034E-08	2.01E-08	4.37383E-15	0	2.68691E-15	0
140	570590.6	4178079	0.55, 41780	0.17272	0.15744	88.35639	37.38874	11.57204	6.46071	1.80885E-11	1.04E-13	1.82E-11	9.25E-09	2.46E-11	9.28E-09	1.21E-09	7.62E-12	1.22E-09	5.61E-15	1.7E-14	9.81E-15	0	0	0	0	6.064E-10	1.5463E-08	2.03E-08	4.66515E-15	0	2.86588E-15	0
141	570630.6	4178079	0.55, 41780	0.1831	0.1763	101.08083	39.23196	12.6351	7.02353	1.91755E-11	1.16E-13	1.93E-11	1.06E-08	2.58E-11	1.06E-08	1.32E-09	8.32E-12	1.33E-09	5.95E-15	1.8E-14	1.04E-14	0	0	0	0	6.431E-10	1.7686E-08	2.22E-08	4.9471E-15	0	3.03908E-15	0
142	570670.6	4178079	0.55, 41780	0.19537	0.19687	125.63761	41.20021	15.7047	8.22231	2.04606E-11	1.30E-13	2.06E-11	1.32E-08	2.71E-11	1.32E-08	1.64E-09	1.03E-11	1.66E-09	6.35E-15	1.92E-14	1.11E-14	0	0	0	0	6.863E-10	2.1975E-08	2.76E-08	5.28009E-15	0	3.24365E-15	0
143	570710.6	4178079	0.55, 41780	0.21241	0.21933	144.38379	43.29239	18.04797	9.29195	2.22451E-11	1.44E-13	2.24E-11	1.51E-08	2.85E-11	1.51E-08	1.89E-09	1.19E-11	1.9E-09	6.91E-15	2.09E-14	1.21E-14	0	0	0	0	7.463E-10	2.5249E-08	3.17E-08	5.74151E-15	0	3.5271E-15	0
144	570750.6	4178079	0.55, 41780	0.23537	0.24332	149.96792	48.92505	18.74599	10.23	2.46496E-11	1.60E-13	2.48E-11	1.57E-08	3.22E-11	1.57E-08	1.96E-09	1.23E-11	1.98E-09	7.66E-15	2.31E-14	1.34E-14	0	0	0	0	8.27E-10	2.623E-08	3.29E-08	6.36218E-15	0	3.90839E-15	0
145	570790.6	4178079	0.55, 41780	0.26445	0.26867	159.48841	56.15329	19.93605	11.24377	2.76951E-11	1.77E-13	2.79E-11	1.67E-08	3.70E-11	1.67E-08	2.09E-09	1.31E-11	2.1E-09	8.6E-15	2.6E-14	1.5E-14	0	0	0	0	9.291E-10	2.79E-08	3.5E-08	7.14743E-15	0	4.39078E-15	0
146	570830.6	4178079	0.55, 41780	0.30001	0.29551	164.85959	59.75168	20.60745	12.43332	3.14192E-11	1.94E-13	3.16E-11	1.73E-08	3.93E-11	1.73E-08	2.16E-09	1.36E-11	2.17E-09	9.76E-15	2.95E-14	1.71E-14	0	0	0	0	1.054E-09	2.8841E-08	3.62E-08	8.10696E-15	0	4.98024E-15	0
147	570870.6	4178079	0.55, 41780	0.34051	0.32416	178.96906	63.85658	22.37113	13.91568	3.56607E-11	2.13E-13	3.59E-11	1.87E-08	4.20E-11	1.88E-08	2.34E-09	1.47E-11	2.36E-09	1.11E-14	3.34E-14	1.93E-14	0	0	0	0	1.196E-09	3.1308E-08	3.93E-08	9.19947E-15	0	5.65138E-15	0
148	570910.6	4178079	0.55, 41780	0.37529	0.35313	192.82824	68.49057	24.10353	15.26079	3.93031E-11	2.32E-13	3.95E-11	2.02E-08	4.51E-11	2.02E-08	2.52E-09	1.59E-11	2.54E-09	1.22E-14	3.68E-14	2.13E-14	0	0	0	0	1.318E-09	3.3732E-08	4.23E-08	1.01384E-14	0	6.22819E-15	0
149	570950.6	4178079	0.55, 41780	0.39192	0.37725	199.56835	75.56845	26.9715	14.65967	4.10447E-11	2.48E-13	4.13E-11	2.09E-08	4.97E-11	2.09E-08	2.82E-09	1.77E-11	2.84E-09	1.27E-14	3.85E-14	2.23E-14	0	0	0	0	1.376E-09	3.4917E-08	4.74E-08	1.05891E-14	0	6.50505E-15	0
150	570990.6	4178079	0.55, 41780	0.38624	0.39167	209.52387	83.72546	31.32288	13.79848	4.04498E-11	2.58E-13	4.07E-11	2.19E-08	5.51E-11	2.2E-08	3.28E-09	2.06E-11	3.3E-09	1.26E-14	3.79E-14	2.2E-14	0	0	0	0	1.357E-09	3.6663E-08	5.5E-08	1.0439E-14	0	6.41284E-15	0
151	571030.6	4178079	0.55, 41780	0.36706	0.40059	238.62537	94.19927	34.73297	15.69988	3.84412E-11	2.64E-13	3.87E-11	2.5E-08	6.20E-11	2.51E-08	3.64E-09	2.29E-11	3.66E-09	1.19E-14	3.61E-14	2.09E-14	0	0	0	0	1.29E-09	4.1754E-08	6.1E-08	9.92539E-15	0	6.09733E-15	0
152	571070.6	4178079	0.55, 41780	0.35702	0.41066	228.92087	105.90077	31.45005	16.61116	3.73897E-11	2.70E-13	3.77E-11	2.4E-08	6.97E-11	2.4E-08	3.29E-09	2.07E-11	3.31E-09	1.16E-14	3.51E-14	2.03E-14	0	0	0	0	1.255E-09	4.0073E-08	5.52E-08	9.65746E-15	0	5.93273E-15	0
153	571110.6	4178079	0.55, 41780	0.35812	0.41418	212.64364	104.08221	34.6648	20.98986	3.75049E-11	2.73E-13	3.78E-11	2.23E-08	6.85E-11	2.23E-08	3.63E-09	2.28E-11	3.65E-09	1.17E-14	3.52E-14	2.04E-14	0	0	0	0	1.259E-09	3.723E-08	6.09E-08	9.68759E-15	0	5.95125E-15	0
154	571150.6	4178079	0.55, 41780	0.37758	0.42317	239.48451	117.47672	34.21207	20.38272	3.95429E-11	2.78E-13	3.98E-11	2.51E-08	7.73E-11	2.52E-08	3.58E-09	2.25E-11	3.61E-09	1.23E-14	3.71E-14	2.15E-14	0	0	0	0	1.327E-09	4.193E-08	6.01E-08	1.02117E-14	0	6.27323E-15	0
155	571190.6	4178079	0.55, 41780	0.41277	0.43447	228.77572	115.09155	28.66724	20.67403	4.32282E-11	2.86E-13	4.35E-11	2.4E-08	7.57E-11	2.4E-08	3E-09	1.89E-11	3.02E-09	1.34E-14	4.05E-14	2.35E-14	0	0	0	0	1.45E-09	4.0058E-08	5.04E-08	1.11587E-14	0	6.85497E-15	0
156	571230.6	4178079	0.55, 41780	0.46673	0.45732	219.54291	100.98995	27.44286	18.56894	4.88793E-11	3.01E-13	4.92E-11	2.3E-08	6.65E-11	2.31E-08	2.87E-09	1.81E-11	2.89E-09	1.52E-14	4.58E-14	2.65E-14	0	0	0	0	1.639E-09	3.8431E-08	4.82E-08	1.26117E-14	0	7.74758E-15	0
157	571270.6	4178079	0.55, 41780	0.53318	0.48578	215.1929	81.06645	26.89911	17.27973	5.58384E-11	3.20E-13	5.62E-11	2.25E-08	5.33E-11	2.26E-08	2.82E-09	1.77E-11	2.83E-09	1.73E-14	5.23E-14	3.03E-14	0	0	0	0	1.872E-09	3.765E-08	4.72E-08	1.44011E-14	0	8.84683E-15	0
158	571310.6	4178079	0.55, 41780	0.58671	0.50689	205.97464	69.75551	25.74683	14.70822	6.14445E-11	3.34E-13	6.18E-11	2.16E-08	4.59E-11	2.16E-08	2.7E-09	1.69E-11	2.71E-09	1.91E-14	5.76E-14	3.33E-14	0	0	0	0	2.059E-09	3.6028E-08	4.52E-08	1.58423E-14	0	9.73216E-15	0
159	571350.6	4178079	0.55, 41780	0.61439	0.51569	184.46358	62.8789	23.05795	12.5762	6.43433E-11	3.39E-13	6.47E-11	1.93E-08	4.14E-11	1.94E-08	2.41E-09	1.52E-11	2.43E-09	2E-14	6.03E-14	3.49E-14	0	0	0	0	2.156E-09	3.2266E-08	4.05E-08	1.65871E-14	0	1.01897E-14	0
160	571390.6	4178079	0.55, 41780	0.61879	0.51229	162.6235	50.78632	20.32794	11.67282	6.48041E-11	3.37E-13	6.51E-11	1.7E-08	3.34E-11	1.71E-08	2.13E-09	1.34E-11	2.14E-09	2.01E-14	6.07E-14	3.51E-14	0	0	0	0	2.171E-09	2.8441E-08	3.57E-08	1.67047E-14	0	1.0262E-14	0
161	571430.6	4178079	0.55, 41780	0.60477	0.49855	157.24404	39.05995	19.65551	9.99401	6.33359E-11	3.28E-13	6.37E-11	1.65E-08	2.57E-11	1.65E-08	2.06E-09	1.29E-11	2.07E-09	1.96E-14	5.93E-14	3.43E-14	0	0	0	0	2.122E-09	2.7489E-08	3.45E-08	1.63259E-14	0	1.00293E-14	0
162	571470.6	4178079	0.55, 41780	0.57311	0.47467	152.07991	30.59352	19.00999	9.68796	6.00202E-11	3.12E-13	6.03E-11	1.59E-08	2.01E-11	1.59E-08	1.99E-09	1.25E-11	2E-09	1.86E-14	5.62E-14	3.25E-14	0	0	0	0	2.011E-09	2.6578E-08	3.34E-08	1.54716E-14	0	9.50445E-15	0
163	571510.6	4178079	0.55, 41780	0.53465	0.44658	137.55383	33.88214	17.19423	8.95455	5.59924E-11	2.94E-13	5.63E-11	1.44E-08	2.23E-11	1.44E-08	1.8E-09	1.13E-11	1.81E-09	1.74E-14	5.24E-14	3.04E-14	0	0	0	0	1.876E-09	2.4047E-08	3.02E-08	1.4434E-14	0	8.86702E-15	0
164	571550.6	4178079	0.55, 41780	0.48548	0.41212	120.13532	36.07438	15.01691	7.90342	5.0843E-11	2.71E-13	5.11E-11	1.26E-08	2.37E-11	1.26E-08	1.57E-09	9.88E-12	1.58E-09	1.58E-14	4.76E-14	2.76E-14	0	0	0	0	1.704E-09	2.1009E-08	2.64E-08	1.31076E-14	0	8.05223E-15	0
165	571590.6	4178079	0.55, 41780	0.43445	0.37558	108.95419	37.19094	13.61927	6.74143	4.54987E-11	2.47E-13	4.57E-11	1.14E-08	2.45E-11	1.14E-08	1.43E-09	8.96E-12	1.44E-09	1.41E-14	4.26E-14	2.47E-14	0	0	0	0	1.525E-09	1.9058E-08	2.39E-08	1.1731E-14	0	7.20655E-15	0
166	570310.6	4178119	0.55, 41781	0.10149	0.07442	69.0748	28.05035	8.63435	4.67506	1.06288E-11	4.90E-14	1.07E-11	7.23E-09	1.85E-11	7.25E-09	9.04E-10	5.68E-12	9.1E-10	3.29E-15	9.95E-15	5.76E-15	0	0	0	0	3.559E-10	1.2087E-08	1.52E-08	2.73818E-15	0	1.68211E-15	0
167	570350.6	4178119	0.55, 41781	0.11138	0.08273	79.07973	29.62524	9.88497	4.93754	1.16645E-11	5.44E-14	1.17E-11	8.28E-09	1.95E-11	8.3E-09	1.04E-09	6.51E-12	1.04E-09	3.62E-15	1.09E-14	6.32E-15	0	0	0	0	3.906E-10	1.3835E-08	1.74E-08	3.00519E-15	0	1.84614E-15	0
168	570390.6	4178119	0.55, 41781	0.12249	0.09237	81.81771	30.97041	10.22721	5.16174	1.2828E-11	6.08E-14	1.29E-11	8.57E-09	2.04E-11	8.59E-09	1.07E-09	6.73E-12	1.08E-09	3.98E-15	1.2E-14	6.95E-15	0	0	0	0	4.296E-10	1.4315E-08	1.8E-08	3.30519E-15	0	2.03043E-15	0
169	570430.6	4178119	0.55, 41781	0.13492	0.10362	81.48606	32.23138	10.18576	5.3719	1.41298E-11	6.82E-14	1.42E-11	8.53E-09	2.12E-11	8.56E-09	1.07E-09	6.70E-12	1.07E-09	4.38E-15	1.32E-14	7.66E-15	0	0	0	0	4.733E-10	1.4258E-08	1.79E-08	3.64091E-15	0	2.23667E-15	0
170	570470.6	4178119	0.55, 41781	0.14882	0.11683	90.82614	33.6686	11.35327	5.5932	1.55855E-11	7.69E-14	1.57E-11	9.51E-09	2.22E-11	9.53E-09	1.19E-09	7.47E-12	1.2E-09	4.83E-15	1.46E-14	8.45E-15	0	0	0	0	5.221E-10	1.589E-08	1.99E-08	4.01644E-15	0	2.46736E-15	0
171	570510.6	4178119	0.55, 41781	0.16361	0.13228	92.34034	35.20886	11.54254	5.82093	1.71344E-11	8.71E-14	1.72E-11	9.67E-09	2.32E-11	9.69E-09	1.21E-09	7.60E-12	1.22E-09	5.31E-15	1.6E-14	9.29E-15	0	0	0	0	5.74E-10	1.6156E-08	2.03E-08	4.41625E-15	0	2.71297E-15	0
172	570550.6	4178119	0.55, 41781	0.17911	0.1505	100.11195	36.92243	12.51399	6.33987	1.87577E-11	9.90E-14	1.89E-11	1.05E-08	2.43E-11	1.05E-08	1.31E-09	8.24E-12	1.32E-09	5.82E-15	1.76E-14	1.02E-14	0	0	0	0	6.286E-10	1.7515E-08	2.2E-08	4.83559E-15	0	2.97058E-15	0
173	570590.6	4178119	0.55, 41781	0.19374	0.17125	103.74737	38.76233	12.96842	6.89651	2.02898E-11	1.13E-13	2.04E-11	1.09E-08	2.55E-11	1.09E-08	1.36E-09	8.53E-12	1.37E-09	6.3E-15	1.9E-14	1.1E-14	0	0	0	0	6.801E-10	1.8151E-08	2.28E-08	5.232E-15	0	3.2141E-15	0
174	570630.6	4178119	0.55, 41781	0.2069	0.19483	104.63966	41.01094	13.84797	7.49161	2.16681E-11	1.28E-13	2.18E-11	1.1E-08	2.70E-11	1.1E-08	1.45E-09	9.11E-12	1.46E-09	6.73E-15	2.03E-14	1.18E-14	0	0	0	0	7.265E-10	1.8309E-08	2.43E-08	5.5894E-15	0	3.43366E-15	0
175	570670.6	4178119	0.55, 41781	0.21998	0.22122	115.58367	43.51142	15.0671	8.60459	2.30379E-11	1.46E-13	2.32E-11	1.21E-08	2.86E-11	1.21E-08	1.58E-09	9.92E-12	1.59E-09	7.15E-15	2.16E-14	1.25E-14	0	0	0	0	7.728E-10	2.0222E-08	2.65E-08	5.94513E-15	0	3.65219E-15	0
176	570710.6	4178119	0.55, 41781	0.23703	0.25104	127.12041	45.98226	16.41254	9.96819	2.48235E-11	1.65E-13	2.5E-11	1.33E-08	3.03E-11	1.33E-08	1.72E-09	1.08E-11	1.73E-09	7.71E-15	2.33E-14	1.35E-14	0	0	0	0	8.33E-10	2.2239E-08	2.88E-08	6.40806E-15	0	3.93658E-15	0
177	570750.6	4178119	0.55, 41781	0.26187	0.28441	163.41699	49.64069	20.42712	11.18287	2.74249E-11	1.87E-13	2.76E-11	1.71E-08	3.27E-11	1.71E-08	2.14E-09	1.34E-11	2.15E-09	8.52E-15	2.57E-14	1.49E-14	0	0	0	0	9.204E-10	2.8578E-08	3.59E-08	7.0808E-15	0	4.34985E-15	0
178	570790.6	4178119	0.55, 41781	0.29707	0.32177	189.30326	59.79186	23.66291	12.3939	3.11113E-11	2.12E-13	3.13E-11	1.98E-08	3.93E-11	1.99E-08	2.48E-09	1.56E-11	2.49E-09	9.67E-15	2.92E-14	1.69E-14	0	0	0	0	1.044E-09	3.3108E-08	4.16E-08	8.03244E-15	0	4.93446E-15	0
179	570830.6	4178119	0.55, 41781	0.34574	0.3643	193.11502	64.55328	24.13938	13.76558	3.62084E-11	2.40E-13	3.64E-11	2.02E-08	4.25E-11	2.03E-08	2.53E-09	1.59E-11	2.54E-09	1.12E-14	3.4E-14	1.97E-14	0	0	0	0	1.215E-09	3.3778E-08	4.24E-08	9.3467E-15	0	5.74183E-15	0
180	570870.6	4178119	0.55, 41781	0.41228	0.41342	202.8381	69.60981	25.35476	15.49628	4.31769E-11	2.72E-13	4.34E-11	2.12E-08	4.58E-11	2.13E-08	2.66E-09	1.67E-11	2.67E-09	1.34E-14	4.05E-14	2.34E-14	0	0	0	0	1.448E-09	3.5481E-08	4.45E-08	1.1142E-14	0	6.84471E-15	0
181	570910.6	4178119	0.55, 41781	0.49003	0.46844	224.50761	75.3478	28.06345	17.99511	5.13195E-11	3.08E-13	5.16E-11	2.35E-08	4.96E-11	2.36E-08	2.94E-09	1.85E-11	2.96E-09	1.59E-14	4.81E-14	2.78E-14	0	0	0	0	1.721E-09	3.9269E-08	4.93E-08	1.32393E-14	0	8.13314E-15	0
182	570950.6	4178119	0.55, 41781	0.55455	0.52056	237.44511	82.6149	31.19836	20.61697	5.80765E-11	3.43E-13	5.84E-11	2.49E-08	5.44E-11	2.49E-08	3.27E-09	2.05E-11	3.29E-09	1.8E-14	5.44E-14	3.15E-14	0	0	0	0	1.947E-09	4.1536E-08	5.48E-08	1.49809E-14	0	9.203E-15	0
183	570990.6	4178119	0.55, 41781	0.59019	0.56679	260.70129	98.30209	39.14578	18.7176	6.18089E-11	3.73E-13	6.22E-11	2.73E-08	6.47E-11	2.74E-08	4.1E-09	2.58E-11	4.13E-09	1.92E-14	5.79E-14	3.35E-14	0	0	0	0	2.073E-09	4.5612E-08	6.88E-08	1.59458E-14	0	9.79579E-15	0
184	571030.6	4178119	0.55, 41781	0.58003	0.59593	288.08817	110.38847	43.41155	19.84321	6.07449E-11	3.92E-13	6.11E-11	3.02E-08	7.26E-11	3.02E-08	4.55E-09	2.86E-11	4.57E-09	1.89E-14	5.7E-14	3.3E-14	0	0	0	0	2.038E-09	5.0406E-08	7.62E-08	1.56779E-14	0	9.63119E-15	0
185	571070.6	4178119	0.55, 41781	0.56003	0.61401	281.59163	124.26135	39.26934	23.95732	5.86504E-11	4.04E-13	5.91E-11	2.95E-08	8.18E-11	2.96E-08	4.11E-09	2.58E-11	4.14E-09	1.82E-14	5.5E-14	3.19E-14	0	0	0	0	1.968E-09	4.9287E-08	6.9E-08	1.51438E-14	0	9.3031E-15	0
186	571110.6	4178119	0.55, 41781	0.57497	0.62965	279.23237	138.16088	41.39356	27.39628	6.0215E-11	4.14E-13	6.06E-11	2.92E-08	9.09E-11	2.93E-08	4.34E-09	2.72E-11	4.36E-09	1.87E-14	5.65E-14	3.27E-14	0	0	0	0	2.021E-09	4.889E-08	7.27E-08	1.55477E-14	0	9.5512E-15	0
187	571150.6	4178119	0.55, 41781	0.64473	0.65929	273.06399	137.55558	37.77228	27.34359	6.75208E-11	4.34E-13	6.8E-11	2.86E-08	9.05E-11	2.87E-08	3.96E-09	2.49E-11	3.98E-09	2.1E-14	6.33E-14	3.67E-14	0	0	0	0	2.265E-09	4.7813E-08	6.63E-08	1.74262E-14	0	1.07052E-14	0
188	571190.6	4178119	0.55, 41781	0.76806	0.70549	260.36357	120.74038	32.90288	24.49294	8.04368E-11	4.64E-13	8.09E-11	2.73E-08	7.95E-11	2.73E-08	3.45E-09	2.17E-11	3.47E-09	2.5E-14	7.54E-14	4.36E-14	0	0	0	0	2.697E-09	4.5578E-08	5.78E-08	2.07461E-14	0	1.27447E-14	0
189	571230.6	4178119	0.55, 41781	0.88147	0.74364	250.38438	100.21062	31.29805	22.32262	9.23139E-11	4.89E-13	9.28E-11	2.62E-08	6.59E-11	2.63E-08	3.28E-09	2.06E-11	3.3E-09	2.86E-14	8.65E-14	5.01E-14	0	0	0	0	3.093E-09	4.3813E-08	5.5E-08	2.37983E-14	0	1.46197E-14	0
190	571270.6	4178119	0.55, 41781	0.94057	0.75526	235.31349	80.57107	29.41419	18.81416	9.85033E-11	4.97E-13	9.9E-11	2.46E-08	5.30E-11	2.47E-08	3.08E-09	1.94E-11	3.1E-09	3.05E-14	9.22E-14	5.34E-14	0	0	0	0	3.3E-09	4.1161E-08	5.17E-08	2.53875E-14	0	1.55959E-14	0
191	571310.6	4178119	0.55, 41781	0.94266	0.74202	211.76846	71.48368	26.47106	15.9259	9.87221E-11	4.88E-13	9.92E-11	2.22E-08	4.70E-11	2.22E-08	2.77E-09	1.74E-11	2.79E-09	3.06E-14	9.24E-14	5.35E-14	0	0	0	0	3.307E-09	3.7042E-08	4.65E-08	2.54414E-14	0	1.5629E-14	0
192	571350.6	4178119	0.55, 41781	0.90909	0.71255	184.59351	57.17412	23.07419	14.42847	9.52064E-11	4.69E-13	9.57E-11	1.93E-08	3.76E-11	1.94E-08	2.42E-09	1.52E-11	2.43E-09	2.95E-14	8.91E-14	5.16E-14	0	0	0	0	3.189E-09	3.2283E-08	4.05E-08	2.45348E-14	0	1.50721E-14	0
193	571390.6	4178119	0.55, 41781	0.85308	0.67145	182.88204	42.90716	22.86025	12.27464	8.93407E-11	4.42E-13	8.98E-11	1.92E-08	2.82E-11	1.92E-08	2.39E-09	1.50E-11	2.41E-09	2.77E-14	8.37E-14	4.84E-14	0	0	0	0	2.993E-09	3.1968E-08	4.02E-08	2.30237E-14	0	1.41438E-14	0
194	571430.6	4178119	0.55, 41781	0.78	0.62166	169.0522	41.64549	21.13153	11.39175	8.16872E-11	4.09E-13	8.21E-11	1.77E-08	2.74E-11	1.77E-08	2.21E-09	1.39E-11	2.23E-09	2.53E-14	7.65E-14	4.43E-14	0	0	0	0	2.737E-09	2.9553E-08	3.71E-08	2.10526E-14	0	1.2933E-14	0
195	571470.6	4178119	0.55, 41781	0.69763	0.567	144.82238	43.55007	18.1028	10.0864	7.30608E-11	3.73E-13	7.34E-11	1.52E-08	2.87E-11	1.52E-08	1.9E-09	1.19E-11	1.91E-09	2.27E-14	6.84E-14	3.96E-14	0	0	0	0	2.448E-09	2.5326E-08	3.18E-08	1.88313E-14	0	1.15684E-14	0
196	571510.6	4178119	0.55, 41781	0.61632	0.51188	129.07456	44.20691	16.93315	8.5721	6.45455E-11	3.37E-13	6.49E-11	1.35E-08	2.91E-11	1.35E-08	1.77E-09	1.11E-11	1.78E-09	2E-14	6.05E-14	3.5E-14	0	0	0	0	2.163E-09	2.2578E-08	2.97E-08	1.66383E-14	0	1.02212E-14	0
197	571550.6	4178119	0.55, 41781	0.53701	0.45659	116.13448	43.6354	16.99831	7.6971	5.62396E-11	3.00E-13	5.65E-11	1.22E-08	2.87E-11	1.22E-08	1.78E-09	1.12E-11	1.79E-09	1.74E-14	5.27E-14	3.05E-14	0	0	0	0	1.885E-09	2.0319E-08	2.99E-08	1.4499E-14	0	8.90699E-15	0
198	571590.6	4178119	0.55, 41781	0.46599	0.40463	103.06511	42.01095	16.60125	6.75955	4.88018E-11	2.66E-13	4.91E-11	1.08E-08	2.76E-11	1.08E-08	1.74E-09	1.09E-11	1.75E-09	1.51E-14	4.57E-14	2.65E-14	0	0	0	0	1.636E-09	1.8036E-08	2.92E-08	1.25829E-14	0	7.72991E-15	0
199	570310.6	4178159	0.55, 41781	0.10452	0.07557	83.14681	27.07322	10.39335	4.47805	1.09461E-11	4.97E-14	1.1E-11	8.71E-09	1.78E-11	8.73E-09	1.09E-09	6.84E-12	1.1E-09	3.39E-15	1.02E-14	5.93E-15	0	0	0	0	3.665E-10	1.4543E-08	1.83E-08	2.81975E-15	0	1.73222E-15	0
200	570350.6	4178159	0.55, 41781	0.1156	0.08446	83.51332	29.37807	10.43917	4.89635	1.21065E-11	5.56E-14	1.22E-11	8.75E-09	1.93E-11	8.77E-09	1.09E-09	6.87E-12	1.1E-09	3.75E-15	1.13E-14	6.56E-15	0	0	0	0	4.054E-10	1.4609E-08	1.83E-08	3.11882E-15	0	1.91594E-15	0
201	570390.6	4178159	0.55, 41781	0.12828	0.09489	85.72091	31.44775	10.71511	5.24129	1.34344E-11	6.24E-14	1.35E-11	8.98E-09	2.07E-11	9E-09	1.12E-09	7.05E-12	1.13E-09	4.16E-15	1.26E-14	7.28E-15	0	0	0	0	4.499E-10	1.4997E-08	1.88E-08	3.46111E-15	0	2.12622E-15	0
202	570430.6	4178159	0.55, 41781	0.14269	0.1072	94.53138	33.159	11.81642	5.5265	1.49435E-11	7.05E-14	1.5E-11	9.9E-09	2.18E-11	9.92E-09	1.24E-09	7.78E-12	1.25E-09	4.63E-15	1.4E-14	8.1E-15	0	0	0	0	5.005E-10	1.6536E-08	2.08E-08	3.85018E-15	0	2.36523E-15	0
203	570470.6	4178159	0.55, 41781	0.15906	0.12183	91.68652	34.69147	11.46082	5.78191	1.66579E-11	8.02E-14	1.67E-11	9.6E-09	2.28E-11	9.62E-09	1.2E-09	7.54E-12	1.21E-09	5.17E-15	1.56E-14	9.03E-15	0	0	0	0	5.579E-10	1.6042E-08	2.01E-08	4.29229E-15	0	2.63682E-15	0
204	570510.6	4178159	0.55, 41781	0.17738	0.13933	103.8828	36.49731	12.98535	6.04456	1.85765E-11	9.17E-14	1.87E-11	1.09E-08	2.40E-11	1.09E-08	1.36E-09	8.55E-12	1.37E-09	5.76E-15	1.74E-14	1.01E-14	0	0	0	0	6.223E-10	1.8172E-08	2.28E-08	4.78724E-15	0	2.94088E-15	0
205	570550.6	4178159	0.55, 41781	0.19733	0.16029	106.21161	38.46337	13.27645	6.62676	2.06658E-11	1.05E-13	2.08E-11	1.11E-08	2.53E-11	1.11E-08	1.39E-09	8.74E-12	1.4E-09	6.41E-15	1.94E-14	1.12E-14	0	0	0	0	6.924E-10	1.8581E-08	2.33E-08	5.32656E-15	0	3.27219E-15	0
206	570590.6	4178159	0.55, 41781	0.21794	0.18524	115.65264	40.48441	14.45658	7.37316	2.28242E-11	1.22E-13	2.29E-11	1.21E-08	2.66E-11	1.21E-08	1.51E-09	9.51E-12	1.52E-09	7.08E-15	2.14E-14	1.24E-14	0	0	0	0	7.649E-10	2.0231E-08	2.54E-08	5.88427E-15	0	3.6148E-15	0
207	570630.6	4178159	0.55, 41781	0.23707	0.21436	118.44365	42.79741	14.80546	8.08317	2.48277E-11	1.41E-13	2.5E-11	1.24E-08	2.82E-11	1.24E-08	1.55E-09	9.74E-12	1.56E-09	7.7E-15	2.33E-14	1.35E-14	0	0	0	0	8.323E-10	2.0721E-08	2.6E-08	6.40294E-15	0	3.93343E-15	0
208	570670.6	4178159	0.55, 41781	0.25383	0.24795	124.95922	45.84094	15.6199	8.90031	2.65829E-11	1.63E-13	2.67E-11	1.31E-08	3.02E-11	1.31E-08	1.64E-09	1.03E-11	1.65E-09	8.25E-15	2.49E-14	1.44E-14	0	0	0	0	8.915E-10	2.1861E-08	2.74E-08	6.85872E-15	0	4.21342E-15	0
209	570710.6	4178159	0.55, 41781	0.27135	0.28697	131.25248	49.29697	17.47805	10.6966	2.84177E-11	1.89E-13	2.86E-11	1.37E-08	3.24E-11	1.38E-08	1.83E-09	1.15E-11	1.84E-09	8.83E-15	2.67E-14	1.54E-14	0	0	0	0	9.536E-10	2.2964E-08	3.07E-08	7.33582E-15	0	4.50652E-15	0
210	570750.6	4178159	0.55, 41781	0.29528	0.33222	146.48828	52.90094	21.86848	12.23914	3.09238E-11	2.19E-13	3.11E-11	1.53E-08	3.48E-11	1.54E-08	2.29E-09	1.44E-11	2.3E-09	9.61E-15	2.9E-14	1.68E-14	0	0	0	0	1.038E-09	2.5627E-08	3.84E-08	7.98613E-15	0	4.90601E-15	0
211	570790.6	4178159	0.55, 41781	0.33253	0.38536	168.4296	63.37031	22.18934	13.75991	3.48249E-11	2.54E-13	3.51E-11	1.76E-08	4.17E-11	1.77E-08	2.32E-09	1.46E-11	2.34E-09	1.08E-14	3.27E-14	1.89E-14	0	0	0	0	1.169E-09	2.9468E-08	3.9E-08	8.99548E-15	0	5.52607E-15	0
212	570830.6	4178159	0.55, 41781	0.39122	0.44987	226.40986	70.88867	28.30123	15.58224	4.09714E-11	2.96E-13	4.13E-11	2.37E-08	4.67E-11	2.38E-08	2.96E-09	1.86E-11	2.98E-09	1.27E-14	3.84E-14	2.23E-14	0	0	0	0	1.376E-09	3.9597E-08	4.97E-08	1.05826E-14	0	6.50103E-15	0
213	570870.6	4178159	0.55, 41781	0.48272	0.53035	262.06298	76.1106	32.75787	17.58972	5.05539E-11	3.49E-13	5.09E-11	2.74E-08	5.01E-11	2.75E-08	3.43E-09	2.16E-11	3.45E-09	1.57E-14	4.74E-14	2.75E-14	0	0	0	0	1.697E-09	4.5825E-08	5.75E-08	1.30535E-14	0	8.01896E-15	0
214	570910.6	4178159	0.55, 41781	0.61652	0.63133	261.24493	84.17228	32.65562	20.33398	6.45664E-11	4.15E-13	6.5E-11	2.74E-08	5.54E-11	2.74E-08	3.42E-09	2.15E-11	3.44E-09	2.01E-14	6.05E-14	3.5E-14	0	0	0	0	2.166E-09	4.5691E-08	5.74E-08	1.66638E-14	0	1.02369E-14	0
215	570950.6	4178159	0.55, 41781	0.78722	0.75662	286.12528	93.97029	38.09436	25.30252	8.24433E-11	4.98E-13	8.29E-11	3E-08	6.18E-11	3E-08	3.99E-09	2.51E-11	4.01E-09	2.56E-14	7.73E-14	4.47E-14	0	0	0	0	2.765E-09	5.0045E-08	6.69E-08	2.12693E-14	0	1.30661E-14	0
216	570990.6	4178159	0.55, 41781	0.95557	0.89576	303.7283	113.02353	49.39935	30.83627	1.00074E-10	5.90E-13	1.01E-10	3.18E-08	7.44E-11	3.19E-08	5.17E-09	3.25E-11	5.21E-09	3.11E-14	9.38E-14	5.43E-14	0	0	0	0	3.355E-09	5.3138E-08	8.68E-08	2.5814E-14	0	1.5858E-14	0
217	571030.6	4178159	0.55, 41781	1.0701	1.00768	365.27865	135.92516	63.89384	29.33742	1.12069E-10	6.63E-13	1.13E-10	3.83E-08	8.95E-11	3.83E-08	6.69E-09	4.20E-11	6.73E-09	3.48E-14	1.05E-13	6.08E-14	0	0	0	0	3.758E-09	6.3907E-08	1.12E-07	2.89087E-14	0	1.77591E-14	0
218	571070.6	4178159	0.55, 41781	1.06935	1.07923	382.13438	155.20031	54.74849	37.25068	1.1199E-10	7.10E-13	1.13E-10	4E-08	1.02E-10	4.01E-08	5.73E-09	3.60E-11	5.77E-09	3.48E-14	1.05E-13	6.08E-14	0	0	0	0	3.757E-09	6.687E-08	9.62E-08	2.89007E-14	0	1.77542E-14	0
219	571110.6	4178159	0.55, 41781	1.19831	1.16386	373.85472	174.62021	53.40782	39.37776	1.25496E-10	7.66E-13	1.26E-10	3.92E-08	1.15E-10	3.93E-08	5.59E-09	3.51E-11	5.63E-09	3.9E-14	1.18E-13	6.81E-14	0	0	0	0	4.209E-09	6.5446E-08	9.38E-08	3.23783E-14	0	1.98905E-14	0
220	571150.6	4178159	0.55, 41781	1.53671	1.26322	331.2731	149.81574	50.26616	34.67292	1.60935E-10	8.31E-13	1.62E-10	3.47E-08	9.86E-11	3.48E-08	5.26E-09	3.31E-11	5.3E-09	4.99E-14	1.51E-13	8.73E-14	0	0	0	0	5.392E-09	5.7986E-08	8.83E-08	4.14832E-14	0	2.54838E-14	0
221	571190.6	4178159	0.55, 41781	1.71324	1.27647	303.51531	125.05743	43.45807	29.97586	1.79423E-10	8.40E-13	1.8E-10	3.18E-08	8.23E-11	3.19E-08	4.55E-09	2.86E-11	4.58E-09	5.56E-14	1.68E-13	9.72E-14	0	0	0	0	6.009E-09	5.3114E-08	7.63E-08	4.62263E-14	0	2.83976E-14	0
222	571230.6	4178159	0.55, 41781	1.67997	1.21931	277.00255	96.22407	36.53844	24.95569	1.75939E-10	8.02E-13	1.77E-10	2.9E-08	6.33E-11	2.91E-08	3.83E-09	2.40E-11	3.85E-09	5.45E-14	1.65E-13	9.53E-14	0	0	0	0	5.891E-09	4.8455E-08	6.42E-08	4.53232E-14	0	2.78428E-14	0
223	571270.6	4178159	0.55, 41781	1.56347	1.13234	251.98402	83.18585	31.498	20.71301	1.63738E-10	7.45E-13	1.64E-10	2.64E-08	5.47E-11	2.64E-08	3.3E-09	2.07E-11	3.32E-09	5.08E-14	1.53E-13	8.87E-14	0	0	0	0	5.483E-09	4.4074E-08	5.53E-08	4.21798E-14	0	2.59117E-14	0
224	571310.6	4178159	0.55, 41781	1.42012	1.03692	223.09845	65.85457	27.88731	18.21453	1.48725E-10	6.82E-13	1.49E-10	2.34E-08	4.33E-11	2.34E-08	2.92E-09	1.84E-11	2.94E-09	4.61E-14	1.39E-13	8.06E-14	0	0	0	0	4.98E-09	3.9013E-08	4.9E-08	3.83138E-14	0	2.35368E-14	0
225	571350.6	4178159	0.55, 41781	1.26306	0.93714	212.7442	53.05659	26.59303	15.01468	1.32277E-10	6.17E-13	1.33E-10	2.23E-08	3.49E-11	2.23E-08	2.79E-09	1.75E-11	2.8E-09	4.1E-14	1.24E-13	7.17E-14	0	0	0	0	4.43E-09	3.7192E-08	4.67E-08	3.4079E-14	0	2.09353E-14	0
226	571390.6	4178159	0.55, 41781	1.10199	0.83709	185.92823	54.01949	23.24103	13.29114	1.15408E-10	5.51E-13	1.16E-10	1.95E-08	3.56E-11	1.95E-08	2.43E-09	1.53E-11	2.45E-09	3.58E-14	1.08E-13	6.25E-14	0	0	0	0	3.865E-09	3.2512E-08	4.08E-08	2.97364E-14	0	1.82675E-14	0
227	571430.6	4178159	0.55, 41781	0.9418	0.73869	159.26436	53.60229	21.61583	11.2268	9.86321E-11	4.86E-13	9.91E-11	1.67E-08	3.53E-11	1.67E-08	2.26E-09	1.42E-11	2.28E-09	3.06E-14	9.24E-14	5.35E-14	0	0	0	0	3.304E-09	2.7858E-08	3.8E-08	2.54177E-14	0	1.56145E-14	0
228	571470.6	4178159	0.55, 41781	0.79447	0.64516	139.92539	51.85557	21.06215	9.90602	8.32026E-11	4.25E-13	8.36E-11	1.47E-08	3.41E-11	1.47E-08	2.21E-09	1.39E-11	2.22E-09	2.58E-14	7.79E-14	4.51E-14	0	0	0	0	2.788E-09	2.448E-08	3.7E-08	2.14452E-14	0	1.31741E-14	0
229	571510.6	4178159	0.55, 41781	0.67282	0.56206	120.25585	49.92459	19.96311	8.50885	7.04626E-11	3.70E-13	7.08E-11	1.26E-08	3.29E-11	1.26E-08	2.09E-09	1.31E-11	2.1E-09	2.19E-14	6.6E-14	3.82E-14	0	0	0	0	2.361E-09	2.1045E-08	3.51E-08	1.81642E-14	0	1.11585E-14	0
230	571550.6	4178159	0.55, 41781	0.57423	0.48972	110.64777	47.57404	18.4413	7.31081	6.01375E-11	3.22E-13	6.05E-11	1.16E-08	3.13E-11	1.16E-08	1.93E-09	1.21E-11	1.94E-09	1.87E-14	5.63E-14	3.26E-14	0	0	0	0	2.015E-09	1.9365E-08	3.24E-08	1.55042E-14	0	9.52449E-15	0
231	571590.6	4178159	0.55, 41781	0.49292	0.42713	100.4908	44.5532	16.74847	6.44552	5.16221E-11	2.81E-13	5.19E-11	1.05E-08	2.93E-11	1.06E-08	1.75E-09	1.10E-11	1.77E-09	1.6E-14	4.84E-14	2.8E-14	0	0	0	0	1.73E-09	1.7589E-08	2.94E-08	1.331E-14	0	8.17654E-15	0
232	570310.6	4178199	0.55, 41781	0.10691	0.07648	81.28791	24.55019	10.16099	3.94128	1.11964E-11	5.03E-14	1.12E-11	8.51E-09	1.62E-11	8.53E-09	1.06E-09	6.69E-12	1.07E-09	3.47E-15	1.05E-14	6.07E-15	0	0	0	0	3.749E-10	1.4215E-08	1.78E-08	2.88409E-15	0	1.77174E-15	0
233	570350.6	4178199	0.55, 41781	0.11881	0.08587	92.41038	27.80697	11.5513	4.55912	1.24426E-11	5.65E-14	1.25E-11	9.68E-09	1.83E-11	9.7E-09	1.21E-09	7.60E-12	1.22E-09	3.86E-15	1.16E-14	6.74E-15	0	0	0	0	4.166E-10	1.616E-08	2.03E-08	3.20526E-15	0	1.96904E-15	0
234	570390.6	4178199	0.55, 41781	0.13286	0.09703	98.9418	30.67703	12.36772	5.11284	1.39141E-11	6.39E-14	1.4E-11	1.04E-08	2.02E-11	1.04E-08	1.3E-09	8.14E-12	1.3E-09	4.31E-15	1.3E-14	7.54E-15	0	0	0	0	4.659E-10	1.7303E-08	2.17E-08	3.58447E-15	0	2.202E-15	0
235	570430.6	4178199	0.55, 41781	0.14935	0.11037	98.24021	33.47488	12.28003	5.57915	1.5641E-11	7.26E-14	1.57E-11	1.03E-08	2.20E-11	1.03E-08	1.29E-09	8.08E-12	1.29E-09	4.85E-15	1.46E-14	8.48E-15	0	0	0	0	5.238E-10	1.7184E-08	2.16E-08	4.02958E-15	0	2.47544E-15	0
236	570470.6	4178199	0.55, 41781	0.1686	0.12646	107.25905	35.76824	13.40738	5.96137	1.7657E-11	8.32E-14	1.77E-11	1.12E-08	2.35E-11	1.13E-08	1.4E-09	8.82E-12	1.41E-09	5.47E-15	1.65E-14	9.57E-15	0	0	0	0	5.913E-10	1.8761E-08	2.35E-08	4.54927E-15	0	2.79469E-15	0
237	570510.6	4178199	0.55, 41781	0.19081	0.14598	111.923	37.71142	13.99038	6.28524	1.9983E-11	9.61E-14	2.01E-11	1.17E-08	2.48E-11	1.17E-08	1.47E-09	9.21E-12	1.47E-09	6.2E-15	1.87E-14	1.08E-14	0	0	0	0	6.693E-10	1.9577E-08	2.46E-08	5.14904E-15	0	3.16314E-15	0
238	570550.6	4178199	0.55, 41781	0.21602	0.16987	119.57772	40.00549	14.94721	6.67621	2.26232E-11	1.12E-13	2.27E-11	1.25E-08	2.63E-11	1.25E-08	1.57E-09	9.84E-12	1.58E-09	7.02E-15	2.12E-14	1.23E-14	0	0	0	0	7.578E-10	2.0916E-08	2.63E-08	5.83012E-15	0	3.58153E-15	0
239	570590.6	4178199	0.55, 41781	0.24388	0.19917	124.08345	42.52786	15.51043	7.78928	2.55409E-11	1.31E-13	2.57E-11	1.3E-08	2.80E-11	1.3E-08	1.62E-09	1.02E-11	1.63E-09	7.92E-15	2.39E-14	1.38E-14	0	0	0	0	8.557E-10	2.1705E-08	2.72E-08	6.58327E-15	0	4.04421E-15	0
240	570630.6	4178199	0.55, 41781	0.27242	0.23473	135.79301	45.13025	16.97413	8.73982	2.85298E-11	1.54E-13	2.87E-11	1.42E-08	2.97E-11	1.43E-08	1.78E-09	1.12E-11	1.79E-09	8.85E-15	2.67E-14	1.55E-14	0	0	0	0	9.561E-10	2.3752E-08	2.98E-08	7.35574E-15	0	4.51875E-15	0
241	570670.6	4178199	0.55, 41781	0.29828	0.27729	136.89517	48.04336	17.44831	9.65486	3.1238E-11	1.82E-13	3.14E-11	1.43E-08	3.16E-11	1.44E-08	1.83E-09	1.15E-11	1.84E-09	9.7E-15	2.93E-14	1.69E-14	0	0	0	0	1.047E-09	2.3947E-08	3.06E-08	8.05742E-15	0	4.94981E-15	0
242	570710.6	4178199	0.55, 41781	0.321	0.32818	151.98197	52.23375	19.68934	11.4382	3.36174E-11	2.16E-13	3.38E-11	1.59E-08	3.44E-11	1.6E-08	2.06E-09	1.30E-11	2.07E-09	1.04E-14	3.15E-14	1.82E-14	0	0	0	0	1.128E-09	2.6585E-08	3.46E-08	8.67618E-15	0	5.32992E-15	0
243	570750.6	4178199	0.55, 41781	0.34558	0.38955	144.14265	57.26085	22.53194	13.53855	3.61916E-11	2.56E-13	3.64E-11	1.51E-08	3.77E-11	1.51E-08	2.36E-09	1.48E-11	2.37E-09	1.12E-14	3.4E-14	1.97E-14	0	0	0	0	1.215E-09	2.5222E-08	3.96E-08	9.34666E-15	0	5.74181E-15	0
244	570790.6	4178199	0.55, 41781	0.38143	0.46429	173.32889	66.95506	25.57778	15.36352	3.99461E-11	3.06E-13	4.03E-11	1.82E-08	4.41E-11	1.82E-08	2.68E-09	1.68E-11	2.7E-09	1.24E-14	3.75E-14	2.17E-14	0	0	0	0	1.342E-09	3.0327E-08	4.49E-08	1.03221E-14	0	6.34101E-15	0
245	570830.6	4178199	0.55, 41781	0.44289	0.55991	200.31972	78.9407	28.47462	17.66262	4.63826E-11	3.68E-13	4.68E-11	2.1E-08	5.20E-11	2.1E-08	2.98E-09	1.87E-11	3E-09	1.44E-14	4.36E-14	2.52E-14	0	0	0	0	1.558E-09	3.5051E-08	5E-08	1.19888E-14	0	7.3649E-15	0
246	570870.6	4178199	0.55, 41781	0.55133	0.6879	245.75399	83.68372	34.28137	20.83884	5.77392E-11	4.53E-13	5.82E-11	2.57E-08	5.51E-11	2.58E-08	3.59E-09	2.26E-11	3.61E-09	1.8E-14	5.42E-14	3.14E-14	0	0	0	0	1.94E-09	4.2987E-08	6.02E-08	1.49226E-14	0	9.16723E-15	0
247	570910.6	4178199	0.55, 41781	0.74216	0.86472	353.61381	98.21675	44.20173	24.01316	7.77243E-11	5.69E-13	7.83E-11	3.7E-08	6.46E-11	3.71E-08	4.63E-09	2.91E-11	4.66E-09	2.42E-14	7.29E-14	4.22E-14	0	0	0	0	2.61E-09	6.1829E-08	7.76E-08	2.00774E-14	0	1.23339E-14	0
248	570950.6	4178199	0.55, 41781	1.08517	1.1274	376.11466	111.85514	52.74149	29.33795	1.13647E-10	7.42E-13	1.14E-10	3.94E-08	7.36E-11	3.95E-08	5.52E-09	3.47E-11	5.56E-09	3.53E-14	1.07E-13	6.17E-14	0	0	0	0	3.813E-09	6.5772E-08	9.26E-08	2.93337E-14	0	1.80201E-14	0
249	570990.6	4178199	0.55, 41781	1.58976	1.56693	410.19015	135.68135	68.60008	44.06737	1.66491E-10	1.03E-12	1.68E-10	4.3E-08	8.93E-11	4.3E-08	7.18E-09	4.51E-11	7.23E-09	5.17E-14	1.56E-13	9.04E-14	0	0	0	0	5.584E-09	7.1746E-08	1.2E-07	4.29591E-14	0	2.63905E-14	0
250	571030.6	4178199	0.55, 41781	2.42958	2.27373	561.74649	191.25505	107.05418	55.40677	2.54443E-10	1.50E-12	2.56E-10	5.88E-08	1.26E-10	5.9E-08	1.12E-08	7.05E-11	1.13E-08	7.9E-14	2.38E-13	1.38E-13	0	0	0	0	8.531E-09	9.826E-08	1.88E-07	6.56327E-14	0	4.03192E-14	0
251	571070.6	4178199	0.55, 41781	3.58306	3.18041	721.18769	259.71405	139.44796	73.67892	3.75244E-10	2.09E-12	3.77E-10	7.55E-08	1.71E-10	7.57E-08	1.46E-08	9.18E-11	1.47E-08	1.16E-13	3.52E-13	2.04E-13	0	0	0	0	1.258E-08	1.2616E-07	2.45E-07	9.67636E-14	0	5.94435E-14	0
252	571110.6	4178199	0.55, 41781	5.26167	3.22788	536.30163	206.72583	116.57539	57.94295	5.5104E-10	2.12E-12	5.53E-10	5.62E-08	1.36E-10	5.63E-08	1.22E-08	7.67E-11	1.23E-08	1.71E-13	5.15E-13	2.98E-13	0	0	0	0	1.844E-08	9.3836E-08	2.05E-07	1.41853E-13	0	8.71423E-14	0
253	571150.6	4178199	0.55, 41781	4.55265	2.7214	406.82024	165.14744	75.27018	43.84452	4.76786E-10	1.79E-12	4.79E-10	4.26E-08	1.09E-10	4.27E-08	7.88E-09	4.95E-11	7.93E-09	1.48E-13	4.46E-13	2.58E-13	0	0	0	0	1.595E-08	7.119E-08	1.32E-07	1.22726E-13	0	7.53923E-14	0
254	571190.6	4178199	0.55, 41781	3.6655	2.27193	348.88414	129.45816	55.11772	35.12171	3.83878E-10	1.50E-12	3.85E-10	3.65E-08	8.52E-11	3.66E-08	5.77E-09	3.63E-11	5.81E-09	1.19E-13	3.59E-13	2.08E-13	0	0	0	0	1.285E-08	6.1038E-08	9.68E-08	9.88243E-14	0	6.07094E-14	0

255	571230.6	4178199	0.55, 41781	2.99647	1.91661	311.11499	100.77545	44.29874	28.05958	3.13812E-10	1.26E-12	3.15E-10	3.26E-08	6.63E-11	3.26E-08	4.64E-09	2.92E-11	4.67E-09	9.72E-14	2.94E-13	1.7E-13	0	0	0	0	1.05E-08	5.4414E-08	7.78E-08	8.07969E-14	0	4.96348E-14	0
256	571270.6	4178199	0.55, 41781	2.48655	1.63354	275.28639	78.6156	36.03295	23.70769	2.60409E-10	1.08E-12	2.61E-10	2.88E-08	5.17E-11	2.89E-08	3.77E-09	2.37E-11	3.8E-09	8.07E-14	2.44E-13	1.41E-13	0	0	0	0	8.716E-09	4.8136E-08	6.33E-08	6.70546E-14	0	4.11928E-14	0
257	571310.6	4178199	0.55, 41781	2.04979	1.39182	251.65063	69.80646	31.45633	18.505	2.14669E-10	9.16E-13	2.16E-10	2.64E-08	4.59E-11	2.64E-08	3.29E-09	2.07E-11	3.32E-09	6.65E-14	2.01E-13	1.16E-13	0	0	0	0	7.186E-09	4.4001E-08	5.53E-08	5.52842E-14	0	3.3962E-14	0
258	571350.6	4178199	0.55, 41781	1.66907	1.18291	207.71058	67.17721	28.41822	15.5683	1.74797E-10	7.78E-13	1.76E-10	2.18E-08	4.42E-11	2.18E-08	2.98E-09	1.87E-11	2.99E-09	5.42E-14	1.64E-13	9.47E-14	0	0	0	0	5.853E-09	3.6329E-08	4.99E-08	4.50243E-14	0	2.76592E-14	0
259	571390.6	4178199	0.55, 41781	1.33874	0.99933	175.53523	63.93291	26.80029	13.20173	1.40202E-10	6.58E-13	1.41E-10	1.84E-08	4.21E-11	1.84E-08	2.81E-09	1.76E-11	2.82E-09	4.35E-14	1.31E-13	7.6E-14	0	0	0	0	4.695E-09	3.0709E-08	4.71E-08	3.61219E-14	0	2.21903E-14	0
260	571430.6	4178199	0.55, 41781	1.08215	0.84466	146.49279	60.30749	24.41546	11.02968	1.13331E-10	5.56E-13	1.14E-10	1.53E-08	3.97E-11	1.54E-08	2.56E-09	1.61E-11	2.57E-09	3.51E-14	1.06E-13	6.14E-14	0	0	0	0	3.796E-09	2.5636E-08	4.29E-08	2.92048E-14	0	1.7941E-14	0
261	571470.6	4178199	0.55, 41781	0.88511	0.71494	129.54701	55.96987	21.59117	9.33698	9.26951E-11	4.71E-13	9.32E-11	1.36E-08	3.68E-11	1.36E-08	2.26E-09	1.42E-11	2.28E-09	2.87E-14	8.68E-14	5.03E-14	0	0	0	0	3.106E-09	2.2673E-08	3.79E-08	2.38912E-14	0	1.46768E-14	0
262	571510.6	4178199	0.55, 41781	0.73336	0.60746	112.64977	51.14316	18.77496	8.40942	7.68027E-11	4.00E-13	7.72E-11	1.18E-08	3.37E-11	1.18E-08	1.97E-09	1.24E-11	1.98E-09	2.38E-14	7.19E-14	4.16E-14	0	0	0	0	2.573E-09	1.9719E-08	3.3E-08	1.97977E-14	0	1.2162E-14	0
263	571550.6	4178199	0.55, 41781	0.6189	0.52125	97.68282	46.08498	16.28047	7.59304	6.48157E-11	3.43E-13	6.52E-11	1.02E-08	3.03E-11	1.03E-08	1.71E-09	1.07E-11	1.72E-09	2.01E-14	6.07E-14	3.51E-14	0	0	0	0	2.172E-09	1.7101E-08	2.86E-08	1.67092E-14	0	1.02647E-14	0
264	571590.6	4178199	0.55, 41781	0.52714	0.45016	84.87826	41.93857	14.14638	6.8553	5.52059E-11	2.96E-13	5.55E-11	8.89E-09	2.76E-11	8.92E-09	1.48E-09	9.31E-12	1.49E-09	1.71E-14	5.17E-14	2.99E-14	0	0	0	0	1.85E-09	1.4861E-08	2.48E-08	1.42329E-14	0	8.74349E-15	0
265	570310.6	4178239	0.55, 41782	0.10871	0.07725	69.36135	22.19632	9.49069	3.20395	1.13849E-11	5.08E-14	1.14E-11	7.26E-09	1.46E-11	7.28E-09	9.94E-10	6.25E-12	1E-09	3.53E-15	1.07E-14	6.17E-15	0	0	0	0	3.812E-10	1.2131E-08	1.67E-08	2.93256E-15	0	1.80152E-15	0
266	570350.6	4178239	0.55, 41782	0.12097	0.08699	80.24676	23.95533	10.03084	3.79637	1.26688E-11	5.72E-14	1.27E-11	8.4E-09	1.58E-11	8.42E-09	1.05E-09	6.60E-12	1.06E-09	3.93E-15	1.19E-14	6.86E-15	0	0	0	0	4.242E-10	1.4033E-08	1.76E-08	3.26346E-15	0	2.0048E-15	0
267	570390.6	4178239	0.55, 41782	0.13576	0.09875	97.68381	28.15369	12.21048	4.56788	1.42178E-11	6.50E-14	1.43E-11	1.02E-08	1.85E-11	1.02E-08	1.28E-09	8.04E-12	1.29E-09	4.41E-15	1.33E-14	7.7E-15	0	0	0	0	4.761E-10	1.7081E-08	2.14E-08	3.66265E-15	0	2.25002E-15	0
268	570430.6	4178239	0.55, 41782	0.15369	0.11303	112.57412	32.01468	14.07177	5.30028	1.60955E-11	7.44E-14	1.62E-11	1.18E-08	2.11E-11	1.18E-08	1.47E-09	9.26E-12	1.48E-09	4.99E-15	1.51E-14	8.72E-15	0	0	0	0	5.39E-10	1.9684E-08	2.47E-08	4.14658E-15	0	2.54731E-15	0
269	570470.6	4178239	0.55, 41782	0.17542	0.1305	120.86213	35.6675	15.10777	5.94458	1.83712E-11	8.59E-14	1.85E-11	1.27E-08	2.35E-11	1.27E-08	1.58E-09	9.94E-12	1.59E-09	5.7E-15	1.72E-14	9.96E-15	0	0	0	0	6.152E-10	2.1135E-08	2.65E-08	4.73312E-15	0	2.90763E-15	0
270	570510.6	4178239	0.55, 41782	0.20166	0.15208	118.29832	38.86505	14.78729	6.47751	2.11193E-11	1.00E-13	2.12E-11	1.24E-08	2.56E-11	1.24E-08	1.55E-09	9.73E-12	1.56E-09	6.55E-15	1.98E-14	1.14E-14	0	0	0	0	7.073E-10	2.0691E-08	2.6E-08	5.44146E-15	0	3.34278E-15	0
271	570550.6	4178239	0.55, 41782	0.23297	0.17899	134.82021	41.51275	16.85253	6.91879	2.43983E-11	1.18E-13	2.45E-11	1.41E-08	2.73E-11	1.41E-08	1.76E-09	1.11E-11	1.78E-09	7.57E-15	2.28E-14	1.32E-14	0	0	0	0	8.172E-10	2.3578E-08	2.96E-08	6.28687E-15	0	3.86212E-15	0
272	570590.6	4178239	0.55, 41782	0.26933	0.21289	138.182	44.61865	17.27275	7.89914	2.82062E-11	1.40E-13	2.83E-11	1.45E-08	2.94E-11	1.45E-08	1.81E-09	1.14E-11	1.82E-09	8.75E-15	2.64E-14	1.53E-14	0	0	0	0	9.449E-10	2.4168E-08	3.03E-08	7.26907E-15	0	4.46551E-15	0
273	570630.6	4178239	0.55, 41782	0.31001	0.25571	151.57706	47.88426	18.94713	9.37801	3.24665E-11	1.68E-13	3.26E-11	1.59E-08	3.15E-11	1.59E-08	1.98E-09	1.25E-11	2E-09	1.01E-14	3.04E-14	1.76E-14	0	0	0	0	1.088E-09	2.651E-08	3.33E-08	8.3688E-15	0	5.14109E-15	0
274	570670.6	4178239	0.55, 41782	0.35129	0.30919	163.01094	51.1286	20.37637	10.66356	3.67896E-11	2.03E-13	3.7E-11	1.71E-08	3.36E-11	1.71E-08	2.13E-09	1.34E-11	2.15E-09	1.14E-14	3.45E-14	2E-14	0	0	0	0	1.233E-09	2.8509E-08	3.58E-08	9.48645E-15	0	5.82768E-15	0
275	570710.6	4178239	0.55, 41782	0.3879	0.37553	161.77129	55.27243	21.46966	11.91574	4.06237E-11	2.47E-13	4.09E-11	1.69E-08	3.64E-11	1.7E-08	2.25E-09	1.41E-11	2.26E-09	1.26E-14	3.81E-14	2.2E-14	0	0	0	0	1.362E-09	2.8297E-08	3.77E-08	1.04808E-14	0	6.43855E-15	0
276	570750.6	4178239	0.55, 41782	0.41955	0.45853	185.09687	61.2613	24.33831	15.0229	4.39383E-11	3.02E-13	4.42E-11	1.94E-08	4.03E-11	1.94E-08	2.55E-09	1.60E-11	2.56E-09	1.37E-14	4.12E-14	2.39E-14	0	0	0	0	1.475E-09	3.2375E-08	4.27E-08	1.13448E-14	0	6.96932E-15	0
277	570790.6	4178239	0.55, 41782	0.45531	0.56517	195.76674	71.16962	30.0466	17.67317	4.76833E-11	3.72E-13	4.81E-11	2.05E-08	4.68E-11	2.05E-08	3.15E-09	1.98E-11	3.17E-09	1.48E-14	4.48E-14	2.59E-14	0	0	0	0	1.602E-09	3.4248E-08	5.28E-08	1.23232E-14	0	7.57035E-15	0
278	570830.6	4178239	0.55, 41782	0.51729	0.70869	186.14136	86.93814	30.32646	20.0795	5.41743E-11	4.66E-13	5.46E-11	1.95E-08	5.72E-11	1.96E-08	3.18E-09	2.00E-11	3.2E-09	1.69E-14	5.09E-14	2.95E-14	0	0	0	0	1.821E-09	3.2585E-08	5.33E-08	1.4012E-14	0	8.60778E-15	0
279	570870.6	4178239	0.55, 41782	0.63421	0.91745	225.98347	96.3139	37.66391	24.81387	6.6419E-11	6.04E-13	6.7E-11	2.37E-08	6.34E-11	2.37E-08	3.94E-09	2.48E-11	3.97E-09	2.07E-14	6.24E-14	3.62E-14	0	0	0	0	2.234E-09	3.955E-08	6.62E-08	1.71872E-14	0	1.05584E-14	0
280	570910.6	4178239	0.55, 41782	0.85302	1.23442	293.13359	117.47886	47.06613	30.6738	8.93344E-11	8.12E-13	9.01E-11	3.07E-08	7.73E-11	3.08E-08	4.93E-09	3.10E-11	4.96E-09	2.78E-14	8.4E-14	4.86E-14	0	0	0	0	3.005E-09	5.1294E-08	8.27E-08	2.31171E-14	0	1.42012E-14	0
281	570950.6	4178239	0.55, 41782	1.35023	1.79208	455.80102	142.22416	68.40553	39.86266	1.41406E-10	1.18E-12	1.43E-10	4.77E-08	9.36E-11	4.78E-08	7.16E-09	4.50E-11	7.21E-09	4.4E-14	1.33E-13	7.69E-14	0	0	0	0	4.753E-09	7.9714E-08	1.2E-07	3.65643E-14	0	2.2462E-14	0
282	570990.6	4178239	0.55, 41782	3.0182	3.06414	885.93977	193.04223	147.1874	58.20401	3.16088E-10	2.02E-12	3.18E-10	9.28E-08	1.27E-10	9.29E-08	1.54E-08	9.69E-11	1.55E-08	9.82E-14	2.96E-13	1.72E-13	0	0	0	0	1.06E-08	1.5485E-07	2.59E-07	8.15741E-14	0	5.01123E-14	0
283	571030.6	4178239	0.55, 41782	7.70332	4.46365	679.65913	243.63294	144.28562	71.78775	8.06747E-10	2.94E-12	8.1E-10	7.12E-08	1.60E-10	7.13E-08	1.51E-08	9.50E-11	1.52E-08	2.5E-13	7.54E-13	4.37E-13	0	0	0	0	2.699E-08	1.189E-07	2.53E-07	2.07634E-13	0	1.27553E-13	0
284	571110.6	4178239	0.55, 41782	48.37684	13.76668	1082.14109	288.2044	441.33003	115.9324	5.06637E-09	9.06E-12	5.08E-09	1.13E-07	1.90E-10	1.14E-07	4.62E-08	2.90E-10	4.65E-08	1.57E-12	4.73E-12	2.74E-12	0	0	0	0	1.692E-07	1.892E-07	7.75E-07	1.30154E-12	0	7.99554E-13	0
285	571150.6	4178239	0.55, 41782	14.38318	6.22649	550.93904	192.81003	147.46183	59.89562	1.50631E-09	4.10E-12	1.51E-09	5.77E-08	1.27E-10	5.78E-08	1.54E-08	9.70E-11	1.55E-08	4.66E-13	1.41E-12	8.15E-13	0	0	0	0	5.035E-08	9.6375E-08	2.59E-07	3.87326E-13	0	2.37941E-13	0
286	571190.6	4178239	0.55, 41782	8.08563	4.10425	423.01159	138.20819	88.76631	43.45879	8.46785E-10	2.70E-12	8.49E-10	4.43E-08	9.10E-11	4.44E-08	9.3E-09	5.84E-11	9.35E-09	2.62E-13	7.91E-13	4.58E-13	0	0	0	0	2.832E-08	7.3986E-08	1.56E-07	2.17841E-13	0	1.33823E-13	0
287	571230.6	4178239	0.55, 41782	5.48613	3.01374	364.79857	99.98669	64.1708	32.88659	5.74547E-10	1.98E-12	5.77E-10	3.82E-08	6.58E-11	3.83E-08	6.72E-09	4.22E-11	6.76E-09	1.78E-13	5.37E-13	3.11E-13	0	0	0	0	1.922E-08	6.3784E-08	1.13E-07	1.47844E-13	0	9.08233E-14	0
288	571270.6	4178239	0.55, 41782	3.91656	2.30583	308.69657	91.16262	42.97299	25.31404	4.1017E-10	1.52E-12	4.12E-10	3.23E-08	6.00E-11	3.24E-08	4.5E-09	2.83E-11	4.53E-09	1.27E-13	3.84E-13	2.22E-13	0	0	0	0	1.372E-08	5.3982E-08	7.55E-08	1.05573E-13	0	6.48549E-14	0
289	571310.6	4178239	0.55, 41782	2.81911	1.80691	238.76095	82.99282	36.57222	19.65898	2.95237E-10	1.19E-12	2.96E-10	2.5E-08	5.46E-11	2.51E-08	3.83E-09	2.41E-11	3.85E-09	9.15E-14	2.76E-13	1.6E-13	0	0	0	0	9.881E-09	4.1766E-08	6.42E-08	7.60152E-14	0	4.66973E-14	0
290	571350.6	4178239	0.55, 41782	2.07392	1.43877	186.98174	75.01218	31.16362	15.62493	2.17196E-10	9.47E-13	2.18E-10	1.96E-08	4.94E-11	1.96E-08	3.26E-09	2.05E-11	3.28E-09	6.73E-14	2.03E-13	1.18E-13	0	0	0	0	7.271E-09	3.2719E-08	5.47E-08	5.59401E-14	0	3.43649E-14	0
291	571390.6	4178239	0.55, 41782	1.57003	1.1589	153.36435	67.14235	25.56072	13.28221	1.64425E-10	7.63E-13	1.65E-10	1.61E-08	4.42E-11	1.61E-08	2.68E-09	1.68E-11	2.69E-09	5.1E-14	1.54E-13	8.91E-14	0	0	0	0	5.506E-09	2.6843E-08	4.49E-08	4.23604E-14	0	2.60227E-14	0
292	571430.6	4178239	0.55, 41782	1.23548	0.94866	124.99719	59.46648	20.83286	11.6734	1.29388E-10	6.24E-13	1.3E-10	1.31E-08	3.91E-11	1.31E-08	2.18E-09	1.37E-11	2.2E-09	4.01E-14	1.21E-13	7.01E-14	0	0	0	0	4.334E-09	2.1883E-08	3.66E-08	3.33402E-14	0	2.04814E-14	0
293	571470.6	4178239	0.55, 41782	0.99131	0.7845	109.3041	54.21436	17.2339	10.26711	1.03817E-10	5.16E-13	1.04E-10	1.14E-08	3.57E-11	1.15E-08	1.8E-09	1.13E-11	1.82E-09	3.22E-14	9.72E-14	5.63E-14	0	0	0	0	3.478E-09	1.9138E-08	3.03E-08	2.67551E-14	0	1.64361E-14	0
294	571510.6	4178239	0.55, 41782	0.81688	0.65976	100.30585	50.40167	14.55844	9.03737	8.55495E-11	4.34E-13	8.6E-11	1.05E-08	3.32E-11	1.05E-08	1.52E-09	9.58E-12	1.53E-09	2.65E-14	8.01E-14	4.64E-14	0	0	0	0	2.866E-09	1.7563E-08	2.56E-08	2.20495E-14	0	1.35454E-14	0
295	571550.6	4178239	0.55, 41782	0.68618	0.56281	92.19218	46.80105	12.52836	7.96128	7.18617E-11	3.70E-13	7.22E-11	9.66E-09	3.08E-11	9.69E-09	1.31E-09	8.24E-12	1.32E-09	2.23E-14	6.73E-14	3.9E-14	0	0	0	0	2.408E-09	1.6143E-08	2.2E-08	1.85231E-14	0	1.1379E-14	0
296	571590.6	4178239	0.55, 41782	0.57854	0.48285	84.94405	43.3686	10.89629	7.01254	6.05889E-11	3.18E-13	6.09E-11	8.9E-09	2.85E-11	8.92E-09	1.14E-09	7.17E-12	1.15E-09	1.88E-14	5.67E-14	3.29E-14	0	0	0	0	2.03E-09	1.4874E-08	1.91E-08	1.56188E-14	0	9.59488E-15	0
297	570310.6	4178279	0.55, 41782	0.11004	0.07807	74.04292	22.79319	10.17864	3.64675	1.15242E-11	5.14E-14	1.16E-11	7.75E-09	1.50E-11	7.77E-09	1.07E-09	6.70E-12	1.07E-09	3.57E-15	1.08E-14	6.24E-15	0	0	0	0	3.859E-10	1.2949E-08	1.79E-08	2.96842E-15	0	1.82355E-15	0
298	570350.6	4178279	0.55, 41782	0.12249	0.08802	80.9847	23.74961	11.08549	3.81596	1.2828E-11	5.79E-14	1.29E-11	8.48E-09	1.56E-11	8.5E-09	1.16E-09	7.30E-12	1.17E-09	3.98E-15	1.2E-14	6.95E-15	0	0	0	0	4.295E-10	1.4162E-08	1.95E-08	3.30445E-15	0	2.02998E-15	0
299	570390.6	4178279	0.55, 41782	0.13757	0.10016	86.03589	24.80698	11.74551	4.00404	1.44073E-11	6.59E-14	1.45E-11	9.01E-09	1.63E-11	9.03E-09	1.23E-09	7.73E-12	1.24E-09	4.47E-15	1.35E-14	7.81E-15	0	0	0	0	4.824E-10	1.5044E-08	2.06E-08	3.71149E-15	0	2.28003E-15	0
300	570430.6	4178279	0.55, 41782	0.15607	0.11514	96.31741	27.84204	12.03968	4.46456	1.63448E-11	7.58E-14	1.64E-11	1.01E-08	1.83E-11	1.01E-08	1.26E-09	7.92E-12	1.27E-09	5.07E-15	1.53E-14	8.86E-15	0	0	0	0	5.474E-10	1.6842E-08	2.11E-08	4.21086E-15	0	2.5868E-15	0
301	570470.6	4178279	0.55, 41782	0.17907	0.13378	120.52086	33.01708	15.06511	5.41696	1.87535E-11	8.80E-14	1.88E-11	1.26E-08	2.17E-11	1.26E-08	1.58E-09	9.91E-12	1.59E-09	5.81E-15	1.76E-14	1.02E-14	0	0	0	0	6.281E-10	2.1073E-08	2.65E-08	4.83169E-15	0	2.96819E-15	0
302	570510.6	4178279	0.55, 41782	0.20795	0.15724	141.57577	37.85068	17.69697	6.30845	2.1778E-11	1.03E-13	2.19E-11	1.48E-08	2.49E-11	1.49E-08	1.85E-09	1.16E-11	1.87E-09	6.75E-15	2.04E-14	1.18E-14	0	0	0	0	7.294E-10	2.4753E-08	3.11E-08	5.61126E-15	0	3.44709E-15	0
303	570550.6	4178279	0.55, 41782	0.24435	0.18714	153.17347	42.50173	19.14668	7.08362	2.55901E-11	1.23E-13	2.57E-11	1.6E-08	2.80E-11	1.61E-08	2.01E-09	1.26E-11	2.02E-09	7.93E-15	2.4E-14	1.39E-14	0	0	0	0	8.571E-10	2.6782E-08	3.36E-08	6.59386E-15	0	4.05072E-15	0
304	570590.6	4178279	0.55, 41782	0.28993	0.22577	157.86485	46.41285	19.73311	7.73548	3.03636E-11	1.49E-13	3.05E-11	1.65E-08	3.05E-11	1.66E-08	2.07E-09	1.30E-11	2.08E-09	9.42E-15	2.84E-14	1.65E-14	0	0	0	0	1.017E-09	2.7605E-08	3.47E-08	7.82448E-15	0	4.80671E-15	0
305	570630.6	4178279	0.55, 41782	0.34541	0.27631	169.89337	50.77009	21.23667	9.57894	3.61738E-11	1.82E-13	3.64E-11	1.78E-08	3.34E-11	1.78E-08	2.22E-09	1.40E-11	2.24E-09	1.12E-14	3.39E-14	1.96E-14	0	0	0	0	1.212E-09	2.971E-08	3.73E-08	9.32299E-15	0	5.72726E-15	0
306	570670.6	4178279	0.55, 41782	0.40869	0.34273	189.16159	55.36754	23.6452	11.64813	4.2801E-11	2.26E-13	4.3E-11	1.98E-08	3.64E-11	1.98E-08	2.48E-09	1.56E-11	2.49E-09	1.33E-14	4.01E-14	2.32E-14	0	0	0	0	1.434E-09	3.3078E-08	4.15E-08	1.10336E-14	0	6.77815E-15	0
307	570710.6	4178279	0.55, 41782	0.47241	0.42944	202.37611	59.97812	25.29701	13.4468	4.94742E-11	2.83E-13	4.98E-11	2.12E-08	3.95E-11	2.12E-08	2.65E-09	1.66E-11	2.67E-09	1.54E-14	4.64E-14	2.68E-14	0	0	0	0	1.659E-09	3.539E-08	4.44E-08	1.27595E-14	0	7.8384E-15	0
308	570750.6	4178279	0.55, 41782	0.52143	0.53099	207.36077	66.44988	28.38204	16.35494	5.46079E-11	3.49E-13	5.5E-11	2.17E-08	4.37E-11	2.18E-08	2.97E-09	1.87E-11	2.99E-09	1.7E-14	5.12E-14	2.96E-14	0	0	0	0	1.832E-09	3.6267E-08	4.99E-08	1.40932E-14	0	8.65766E-15	0
309	570790.6	4178279	0.55, 41782	0.56782	0.69623	217.33897	75.80804	33.24185	20.36018	5.94662E-11	4.58E-13	5.99E-11	2.28E-08	4.99E-11	2.28E-08	3.48E-09	2.19E-11	3.5E-09	1.85E-14	5.58E-14	3.23E-14	0	0	0	0	1.997E-09	3.8019E-08	5.84E-08	1.53669E-14	0	9.44014E-15	0
310	570830.6	4178279	0.55, 41782	0.62461	0.91706	236.67869	94.57659	34.09074	24.90976	6.54137E-11	6.04E-13	6.6E-11	2.48E-08	6.22E-11	2.48E-08	3.57E-09	2.24E-11	3.59E-09	2.04E-14	6.15E-14	3.56E-14	0	0	0	0	2.201E-09	4.1415E-08	5.99E-08	1.69293E-14	0	1.04E-14	0
311	570870.6	4178279	0.55, 41782	0.74364	1.27032	232.57719	121.10786	38.76287	29.17824	7.78793E-11	8.36E-13	7.87E-11	2.44E-08	7.97E-11	2.44E-08	4.06E-09	2.55E-11	4.09E-09	2.43E-14	7.33E-14	4.25E-14	0	0	0	0	2.624E-09	4.0728E-08	6.81E-08	2.01856E-14	0	1.24004E-14	0
312	570910.6	4178279	0.55, 41782	0.98087	1.94043	289.58181	139.00222	48.26363	45.30681	1.02724E-10	1.28E-12	1.04E-10	3.03E-08	9.15E-11	3.04E-08	5.05E-09	3.18E-11	5.09E-09	3.21E-14	9.69E-14	5.61E-14	0	0	0	0	3.467E-09	5.0698E-08	8.48E-08	2.66698E-14	0	1.63837E-14	0
313	570950.6	4178279	0.55, 41782	1.54705	3.33468	380.89662	209.14004	63.48277	60.99964	1.62018E-10	2.19E-12	1.64E-10	3.99E-08	1.38E-10	4E-08	6.65E-09	4.18E-11	6.69E-09	5.07E-14	1.53E-13	8.86E-14	0	0	0	0	5.474E-09	6.6713E-08	1.12E-07	4.21105E-14	0	2.58691E-14	0
314	571150.6	4178279	0.55, 41782	125.5821	15.27099	2183.625	235.47088	1020.3296	115.3363	1.31519E-08	1.00E-11	1.32E-08	2.29E-07	1.55E-10	2.29E-07	1.07E-07	6.71E-10	1.08E-07	4.06E-12	1.23E-11	7.1E-12	0	0	0	0	4.387E-07	3.814E-07	1.79E-06	3.37522E-12	0	2.07345E-12	0
315	571190.6	4178279	0.55, 41782	19.14498	7.50998	704.1647	157.76938	186.41477	61.8786	2.005E-09	4.94E-12	2.01E-09	7.37E-08	1.04E-10	7.38E-08	1.95E-08	1.23E-10	1.96E-08	6.2E-13	1.87E-12	1.08E-12	0	0	0	0	6.7E-08	1.2308E-07	3.27E-07	5.15426E-13	0	3.16635E-13	0
316	571230.6	4178279	0.55, 41782	9.41744	4.44398	418.2482	120.63814	87.01567	39.51148	9.86262E-10	2.92E-12	9.89E-10	4.38E-08	7.94E-11	4.39E-08	9.11E-09	5.73E-11	9.17E-09	3.05E-13	9.22E-13	5.34E-13	0	0	0	0	3.297E-08	7.3136E-08	1.53E-07	2.53665E-13	0	1.55831E-13	0
317	571270.6	4178279	0.55, 41782	5.33507	3.02277	265.61255	99.06709	58.88721	29.56115	5.58727E-10	1.99E-12	5.61E-10	2.78E-08	6.52E-11	2.79E-08	6.17E-09	3.88E-11	6.21E-09	1.73E-13	5.22E-13	3.02E-13	0	0	0	0	1.869E-08	4.647E-08	1.03E-07	1.43789E-13	0	8.8332E-14	0
318	571310.6	4178279	0.55, 41782	3.44949	2.20529	197.38222	83.78037	42.40574	23.44903	3.61255E-10	1.45E-12	3.63E-10	2.07E-08	5.51E-11	2.07E-08	4.44E-09	2.79E-11	4.47E-09	1.12E-13	3.38E-13	1.96E-13	0	0	0	0	1.209E-08	3.4544E-08	7.45E-08	9.30119E-14	0	5.71387E-14	0
319	571350.6	4178279	0.55, 41782	2.42474	1.67304	164.77993	74.08708	31.82391	19.20475	2.53936E-10	1.10E-12	2.55E-10	1.73E-08	4.88E-11	1.73E-08	3.33E-09	2.09E-11	3.35E-09	7.87E-14	2.38E-13	1.38E-13	0	0	0	0	8.501E-09	2.8843E-08	5.59E-08	6.54013E-14	0	4.01771E-14	0
320	571390.6	4178279	0.55, 41782	1.80332	1.30805	139.62437	66.18564	24.75802	16.07748	1.88857E-10	8.61E-13	1.9E-10	1.46E-08	4.36E-11	1.47E-08	2.59E-09	1.63E-11	2.61E-09	5.85E-14	1.77E-13	1.02E-13	0	0	0	0	6.324E-09	2.4443E-08	4.35E-08	4.86508E-14	0	2.9887E-14	0
321	571430.6	4178279	0.55, 41782	1.38872	1.04688	120.07885	59.47148	19.78612	13.66223	1.45437E-10	6.89E-13	1.46E-10	1.26E-08	3.91E-11	1.26E-08	2.07E-09	1.30E-11	2.09E-09	4.51E-14	1.36E-13	7.88E-14	0	0	0	0	4.871E-09	2.1024E-08	3.48E-08	3.74722E-14	0	2.30198E-14	0
322	571470.6	4178279	0.55, 41782	1.11171	0.86066	104.95004	53.66694	16.34545	11.81303	1.16426E-10	5.66E-13	1.17E-10	1.1E-08	3.53E-11	1.1E-08	1.71E-09	1.08E-11	1.72E-09	3.61E-14	1.09E-13	6.31E-14	0	0	0	0	3.9E-09	1.8377E-08	2.87E-08	3.00014E-14	0	1.84304E-14	0
323	571510.6	4178279	0.55, 41782	0.90331	0.71725	92.95227	48.50847	13.70064	10.27697	9.46011E-11	4.72E-13	9.51E-11	9.73E-09	3.19E-11	9.77E-09	1.43E-09	9.02E-12	1.44E-09	2.93E-14	8.86E-14	5.13E-14	0	0	0	0	3.169E-09	1.6278E-08	2.41E-08	2.43804E-14	0	1.49773E-14	0
324	571550.6	4178279	0.55, 41782	0.74685	0.60641	83.35854	43.88956	11.6678	9.00306	7.82155E-11	3.99E-13	7.86E-11	8.73E-09	2.89E-11	8.76E-09	1.22E-09	7.68E-12	1.23E-09	2.43E-14	7.32E-14	4.24E-14	0	0	0	0	2.62E-09	1.4598E-08	2.05E-08	2.01598E-14	0	1.23845E-14	0
325	571590.6	4178279	0.55, 41782	0.63093	0.52161	75.57295	41.1264	10.11638	7.96472	6.60755E-11	3.43E-13	6.64E-11	7.91E-09	2.71E-11	7.94E-09	1.06E-09	6.66E-12	1.07E-09	2.05E-14	6.19E-14	3.58E-14	0	0	0	0	2.214E-09	1.3236E-08	1.78E-08	1.70323E-14	0	1.04632E-14	0
326	570310.6	4178319	0.55, 41783	0.1112	0.07908	65.67409	25.12162	10.72274	3.92383	1.16457E-11	5.20E-14	1.17E-11	6.88E-09	1.65E-11	6.89E-09	1.12E-09	7.06E-12	1.13E-09	3.61E-15	1.09E-14	6.31E-15	0	0	0	0	3.899E-10	1.1491E-08	1.88E-08	2.99974E-15	0	1.84279E-15	0
327	570350.6	4178319	0.55, 41783	0.12381	0.08915	72.99363	26.3644	10.96785	4.13077	1.29663E-11	5.87E-14	1.3E-11	7.64E-09	1.74E-11	7.66E-09	1.15E-09	7.22E-12	1.16E-09	4.02E-15	1.21E-14	7.03E-15	0	0	0	0	4.342E-10	1.277E-08	1.93E-08	3.3401E-15	0	2.05187E-15	0
328	570390.6	4178319	0.55, 41783	0.13907	0.1015	85.61577	27.73961	11.84211	4.3586	1.45644E-11	6.68E-14	1.46E-11	8.97E-09	1.83E-11	8.98E-09	1.24E-09	7.79E-12	1.25E-09	4.51E-15	1.36E-14	7.89E-15	0	0	0	0	4.877E-10	1.4974E-08	2.08E-08	3.752E-15	0	2.30492E-15	0
329	570430.6	4178319	0.55, 41783	0.15783	0.11689	97.99246	29.27563	13.47747	4.61214	1.65291E-11	7.69E-14	1.66E-11	1.03E-08	1.93E-11	1.03E-08	1.41E-09	8.87E-12	1.42E-09	5.12E-15	1.55E-14	8.96E-15	0	0	0	0	5.535E-10	1.7136E-08	2.37E-08	4.25842E-15	0	2.61602E-15	0
330	570470.6	4178319	0.55, 41783	0.18134	0.13633	108.90086	31.01454	14.92794	4.89871	1.89912E-11	8.97E-14	1.91E-11	1.14E-08	2.04E-11	1.14E-08	1.56E-09	9.82E-12	1.57E-09	5.89E-15	1.78E-14	1.03E-14	0	0	0	0	6.36E-10	1.9042E-08	2.62E-08	4.89309E-15	0	3.0059E-15	0
331	570510.6	4178319	0.55, 41783	0.21129	0.16124	118.40452	33.29424	15.9306	5.40834	2.21278E-11	1.06E-13	2.22E-11	1.24E-08	2.19E-11	1.24E-08	1.67E-09	1.05E-11	1.68E-09	6.86E-15	2.07E-14	1.2E-14	0	0	0	0	7.411E-10	2.0703E-08	2.8E-08	5.70163E-15	0	3.5026E-15	0
332	570550.6	4178319	0.55, 41783	0.2503	0.19368	153.9338	39.94632	19.24172	6.62991	2.62132E-11	1.27E-13	2.63E-11	1.61E-08	2.63E-11	1.61E-08	2.02E-09	1.27E-11	2.03E-09	8.13E-15	2.45E-14	1.42E-14	0	0	0	0	8.78E-10	2.6912E-08	3.38E-08	6.75476E-15	0	4.14956E-15	0
333	570590.6	4178319	0.55, 41783	0.30196	0.23671	186.54438	46.61587	23.31805	7.76931	3.16234E-11	1.56E-13	3.18E-11	1.95E-08	3.07E-11	1.96E-08	2.44E-09	1.53E-11	2.46E-09	9.81E-15	2.96E-14	1.71E-14	0	0	0	0	1.059E-09	3.2612E-08	4.1E-08	8.14941E-15	0	5.00631E-15	0
334	570630.6	4178319	0.55, 41783	0.37105	0.29503	205.0145	52.79857	25.62681	8.79976	3.8859E-11	1.94E-13	3.91E-11	2.15E-08	3.47E-11	2.15E-08	2.68E-09	1.69E-11	2.7E-09	1.21E-14	3.64E-14	2.11E-14	0	0	0	0	1.302E-09	3.5842E-08	4.5E-08	1.00147E-14	0	6.15221E-15	0
335	570670.6	4178319	0.55, 41783	0.462	0.37572	218.45656	59.57781	27.30707	11.98561	4.8384E-11	2.47E-13	4.86E-11	2.29E-08	4.32E-11	2.29E-08	2.86E-09	1.80E-11	2.88E-09	1.5E-14	4.53E-14	2.62E-14	0	0	0	0	1.621E-09	3.8196E-08	4.8E-08	1.24709E-14	0	7.66108E-15	0
336	570710.6	4178319	0.55, 41783	0.57218	0.48827	242.44958	66.62286	30.3062	15.15553	5.99228E-11	3.21E-13	6.02E-11	2.54E-08	4.38E-11	2.54E-08	3.17E-09	1.99E-11	3.19E-09	1.86E-14	5.61E-14	3.25E-14	0	0	0	0	2.008E-09	4.2392E-08	5.32E-08	1.54489E-14	0	9.49051E-15	0
337	570750.6	4178319	0.55, 41783	0.67767	0.63416	262.41203	72.71034	32.8015	17.84948	7.09705E-11	4.17E-13	7.14E-11	2.75E-08	4.79E-11	2.75E-08	3.44E-09	2.16E-11	3.46E-09	2.2E-14	6.65E-14	3.85E-14	0	0	0	0	2.38E-09	4.5883E-08	5.76E-08	1.83066E-14	0	1.1246E-14	0
338	570790.6	4178319	0.55, 41783	0.76041	0.85502	285.66779	86.45349	42.9347	23.67926	7.96356E-11	5.63E-13	8.02E-11	2.99E-08	5.69E-11	3E-08	4.5E-09	2.83E-11	4.52E-09	2.47E-14	7.47E-14	4.33E-14	0	0	0	0	2.673E-09	4.9957E-08	7.54E-08	2.05659E-14	0	1.2634E-14	0
339	570830.6	4178319	0.55, 41783	0.82107	1.23378	302.59427	109.05103	45.07728	29.79255	8.59884E-11	8.12E-13	8.68E-11	3.17E-08	7.18E-11	3.18E-08	4.72E-09	2.97E-11	4.75E-09	2.68E-14	8.09E-14	4.68E-14	0	0	0	0	2.893E-09	5.2936E-08	7.92E-08	2.22589E-14	0	1.3674E-14	0
340	570870.6	4178319	0.55, 41783	0.93174	1.8881	263.71888	150.69846	37.23183	42.82711	9.75785E-11	1.24E-12	9.88E-11	2.76E-08	9.92E-11	2.77E-08	3.9E-09	2.45E-11	3.92E-09	3.05E-14	9.21E-14	5.33E-14	0	0	0	0	3.294E-09	4.6196E-08	6.54E-08	2.53415E-14	0	1.55677E-14	0
341	570910.6	4178319	0.55, 41783	1.19482	3.5981	225.26352	195.84246	37.31993	59.22953	1.2513E-10	2.37E-12	1.27E-10	2.36E-08	1.29E-10	2.37E-08	3.91E-09	2.46E-11	3.93E-09	3.93E-14	1.19E-13	6.88E-14	0	0	0	0	4.25E-09	3.9534E-08	6.55E-08	3.26954E-14	0	2.00853E-14	0
342	571190.6	4178319	0.55, 41783	29.13102	9.74239	1204.46355	192.40018	337.10397	86.14095	3.05081E-09	6.41E-12	3.06E-09	1.26E-07	1.27E-10	1.26E-07	3.53E-08	2.22E-10	3.55E-08	9.43E-13	2.85E-12	1.65E-12	0	0	0	0	1.019E-07	2.1044E-07	5.92E-07	7.83989E-13	0	4.81617E-13	0
343	571230.6	4178319	0.55, 41783	10.45163	5.25398	479.33008	117.37647	126.19986	44.06446	1.09457E-09	3.46E-12	1.1E-09	5.02E-08	7.72E-11	5.03E-08	1.32E-08	8.31E-11	1.33E-08	3.39E-13	1.02E-12	5.92E-13	0	0	0	0	3.66E-08	8.3794E-08	2.22E-07	2.81576E-13	0	1.72977E-13	0
344	571270.6	4178319	0.55, 41783	5.72808	3.4301	292.22118	96.9874	63.79547	33.00222	5.99886E-10	2.26E-12	6.02E-10	3.06E-08	6.38E-11	3.07E-08	6.68E-09	4.20E-11	6.72E-09	1.86E-13	5.61E-13	3.25E-13	0	0	0	0	2.007E-08	5.1112E-08	1.12E-07	1.54413E-13	0	9.48582E-14	0
345	571310.6	4178319	0.55, 41783	3.67711	2.43151	175.48484	83.52768	43.52526	25.92364	3.85093E-10	1.60E-12	3.87E-10	1.84E-08	5.50E-11	1.84E-08	4.56E-09	2.86E-11	4.59E-09	1.19E-13	3.6E-13	2.09E-13	0	0	0	0	1.289E-08	3.0722E-08	7.64E-08	9.91631E-14	0	6.09175E-14	0
346	571350.6	4178319	0.55, 41783	2.57847	1.81872	135.74456	73.58424	31.86463	21.08438	2.70036E-10	1.20E-12	2.71E-10	1.42E-08	4.84E-11	1.43E-08	3.34E-09	2.10E-11	3.36E-09	8.37E-14	2.53E-13	1.46E-13	0	0	0	0	9.041E-09	2.3774E-08	5.6E-08	6.95545E-14	0	4.27285E-14	0
347	571390.6	4178319	0.55, 41783	1.91038	1.41202	114.67965	65.84745	24.95277	17.54375	2.00069E-10	9.29E-13	2.01E-10	1.2E-08	4.33E-11	1.21E-08	2.61E-09	1.64E-11	2.63E-09	6.2E-14	1.87E-13	1.08E-13	0	0	0	0	6.7E-09	2.0089E-08	4.38E-08	5.15436E-14	0	3.16641E-14	0
348	571430.6	4178319	0.55, 41783	1.47151	1.12853	100.57811	59.61061	20.18585	14.84739	1.54107E-10	7.43E-13	1.55E-10	1.05E-08	3.92E-11	1.06E-08	2.11E-09	1.33E-11	2.13E-09	4.78E-14	1.44E-13	8.35E-14	0	0	0	0	5.162E-09	1.7621E-08	3.55E-08	3.97094E-14	0	2.43941E-14	0
349	571470.6	4178319	0.55, 41783	1.16585	0.92218	90.09229	54.43044	16.69193	12.71837	1.22096E-10	6.07E-13	1.23E-10	9.44E-09	3.58E-11	9.47E-09	1.75E-09	1.10E-11	1.76E-09	3.79E-14	1.14E-13	6.62E-14	0	0	0	0	4.09E-09	1.5785E-08	2.93E-08	3.14658E-14	0	1.93299E-14	0
350	571510.6	4178319	0.55, 41783	0.94595	0.76805	81.52103	50.05282	14.06823	11.00608	9.90667E-11	5.05E-13	9.96E-11	8.54E-09	3.29E-11	8.57E-09	1.47E-09	9.26E-12	1.48E-09	3.07E-14	9.28E-14	5.37E-14	0	0	0	0	3.319E-09	1.4284E-08	2.47E-08	2.55341E-14	0	1.5686E-14	0
351	571550.6	4178319	0.55, 41783	0.78212	0.64956	74.38547	46.28731	12.02264	9.59923	8.19092E-11	4.27E-13	8.23E-11	7.79E-09	3.05E-11	7.82E-09	1.26E-09	7.91E-12	1.27E-09	2.54E-14	7.67E-14	4.44E-14	0	0	0	0	2.745E-09	1.3034E-08	2.11E-08	2.11143E-14	0	1.29709E-14	0
352	571590.6	4178319	0.55, 41783	0.65442	0.55508	68.29245	42.98116	10.3334	8.40789	6.85356E-11	3.65E-13	6.89E-11	7.15E-09	2.83E-11	7.18E-09	1.08E-09	6.80E-12	1.09E-09	2.13E-14	6.42E-14	3.72E-14	0	0	0	0	2.297E-09	1.1967E-08	1.81E-08	1.76688E-14	0	1.08542E-14	0
353	570310.6	4178359	0.55, 41783	0.11229	0.07993	69.29068	26.58817	11.54845	4.0095	1.17598E-11	5.26E-14	1.18E-11	7.26E-09	1.75E-11	7.27E-09	1.21E-09	7.60E-12	1.22E-09	3.65E-15	1.1E-14	6.37E-15	0	0	0	0	3.937E-10	1.2124E-08	2.03E-08	3.02916E-15	0	1.86086E-15	0
354	570350.6	4178359	0.55, 41783	0.12531	0.09043	75.30937	28.06345	12.55156	4.25756	1.31234E-11	5.95E-14	1.32E-11	7.89E-09	1.85E-11	7.91E-09	1.31E-09	8.26E-12	1.32E-09	4.07E-15	1.23E-14	7.11E-15	0	0	0	0	4.394E-10	1.3176E-08	2.2E-08	3.3806E-15	0	2.07675E-15	0
355	570390.6	4178359	0.55, 41783	0.14084	0.10296	81.29058	29.71471	13.54843	4.53386	1.47498E-11	6.78E-14	1.48E-11	8.51E-09	1.96E-11	8.53E-09	1.42E-09	8.92E-12	1.43E-09	4.57E-15	1.38E-14	7.99E-15	0	0	0	0	4.939E-10	1.4221E-08	2.38E-08	3.79978E-15	0	2.33427E-15	0
356	570430.6	4178359	0.55, 41783	0.15989	0.11858	87.11605	31.54887	14.51934	4.83992	1.67448E-11	7.80E-14	1.68E-11	9.12E-09	2.08E-11	9.14E-09	1.52E-09	9.56E-12	1.53E-09	5.19E-15	1.57E-14	9.07E-15	0	0	0	0	5.608E-10	1.524E-08	2.55E-08	4.31403E-15	0	2.65018E-15	0
357	570470.6	4178359	0.55, 41783	0.18374	0.13844	97.3598	33.59814	15.36354	5.1813	1.92426E-11	9.11E-14	1.93E-11	1.02E-08	2.21E-11	1.02E-08	1.61E-09	1.01E-11	1.62E-09	5.97E-15	1.8E-14	1.04E-14	0	0	0	0	6.445E-10	1.7031E-08	2.7E-08	4.9579E-15	0	3.04572E-15	0
358	570510.6	4178359	0.55, 41783	0.21432	0.16421	118.04415	35.93263	16.48105	5.5698	2.24451E-11	1.08E-13	2.26E-11	1.24E-08	2.36E-11	1.24E-08	1.73E-09	1.08E-11	1.74E-09	6.96E-15	2.1E-14	1.22E-14	0	0	0	0	7.518E-10	2.0643E-08	2.89E-08	5.78351E-15	0	3.5529E-15	0
359	570550.6	4178359	0.55, 41783	0.25472	0.19842	139.50155	38.63371	19.4148	6.01971	2.66761E-11	1.31E-13	2.68E-11	1.46E-08	2.54E-11	1.46E-08	2.03E-09	1.28E-11	2.05E-09	8.27E-15	2.5E-14	1.45E-14	0	0	0	0	8.936E-10	2.4392E-08	3.41E-08	6.87426E-15	0	4.22297E-15	0
360	570590.6	4178359	0.55, 41783	0.30979	0.24497	159.83108	41.83842	22.23989	6.84975	3.24434E-11	1.61E-13	3.26E-11	1.67E-08	2.75E-11	1.68E-08	2.33E-09	1.46E-11	2.34E-09	1.01E-14	3.04E-14	1.76E-14	0	0	0	0	1.087E-09	2.7944E-08	3.91E-08	8.36108E-15	0	5.13635E-15	0
361	570630.6	4178359	0.55, 41783	0.38734	0.31015	206.43147	51.05257	25.80393	8.50876	4.0565E-11	2.04E-13	4.08E-11	2.16E-08	3.36E-11	2.17E-08	2.7E-09	1.70E-11	2.72E-09	1.26E-14	3.8E-14	2.2E-14	0	0	0	0	1.359E-09	3.6088E-08	4.53E-08	1.04548E-14	0	6.42254E-15	0
362	570670.6	4178359	0.55, 41783	0.50063	0.40488	262.98595	60.70684	32.87324	10.74505	5.24296E-11	2.66E-13	5.27E-11	2.75E-08	4.00E-11	2.76E-08	3.44E-09	2.16E-11	3.46E-09	1.63E-14	4.91E-14	2.84E-14	0	0	0	0	1.757E-09	4.597E-08	5.77E-08	1.35133E-14	0	8.30143E-15	0
363	570710.6	4178359	0.55, 41783	0.66972	0.54814	304.17814	72.14807	38.02227	15.71205	7.01379E-11	3.61E-13	7.05E-11	3.19E-08	4.75E-11	3.19E-08	3.98E-09	2.50E-11	4.01E-09	2.18E-14	6.57E-14	3.8E-14	0	0	0	0	2.35E-09	5.3172E-08	6.68E-08	1.80786E-14	0	1.11059E-14	0
364	570750.6	4178359	0.55, 41783	0.90523	0.76876	339.35657	85.82023	44.72327	21.31802	9.48022E-11	5.06E-13	9.53E-11	3.55E-08	5.65E-11	3.56E-08	4.68E-09	2.94E-11	4.71E-09	2.94E-14	8.88E-14	5.14E-14	0	0	0	0	3.177E-09	5.9327E-08	7.86E-08	2.44407E-14	0	1.50143E-14	0
365	570790.6	4178359	0.55, 41783	1.13154	1.06104	377.53193	96.31599	54.94081	27.90141	1.18503E-10	6.98E-13	1.19E-10	3.95E-08	6.34E-11	3.96E-08	5.75E-09	3.62E-11	5.79E-09	3.68E-14	1.11E-13	6.43E-14	0	0	0	0	3.973E-09	6.6002E-08	9.65E-08	3.05678E-14	0	1.87783E-14	0
366	570830.6	4178359	0.55, 41783	1.33226	1.74963	411.58415	139.14147	69.46909	37.35577	1.39524E-10	1.15E-12	1.41E-10	4.31E-08	9.16E-11	4.32E-08	7.28E-09	4.57E-11	7.32E-09	4.34E-14	1.31E-13	7.59E-14	0	0	0	0	4.689E-09	7.1993E-08	1.22E-07	3.60745E-14	0	2.21612E-14	0
367	570870.6	4178359	0.55, 41783	1.45984	3.38436	346.78431	184.49712	52.43952	61.49528	1.52885E-10	2.23E-12	1.55E-10	3.63E-08	1.21E-10	3.64E-08	5.49E-09	3.45E-11	5.53E-09	4.79E-14	1.45E-13	8.37E-14	0	0	0	0	5.17E-09	6.0732E-08	9.21E-08	3.97767E-14	0	2.44355E-14	0
368	571150.6	4178359	0.55, 41783	17.36196	17.82412	1537.79423	258.8776	350.34789	128.93656	1.81827E-09	1.17E-11	1.83E-09	1.61E-07	1.70E-10	1.61E-07	3.67E-08	2.31E-10	3.69E-08	5.65E-13	1.71E-12	9.87E-13	0	0	0	0	6.1E-08	2.687E-07	6.15E-07	4.69282E-13	0	2.88288E-13	0
369	571190.6	4178359	0.55, 41783	10.35157	8.16971	590.93034	162.31709	161.82999	76.08872	1.08409E-09	5.38E-12	1.09E-09	6.19E-08	1.07E-10	6.2E-08	1.69E-08	1.07E-10	1.71E-08	3.36E-13	1.02E-12	5.88E-13	0	0	0	0	3.632E-08	1.0332E-07	2.84E-07	2.79381E-13	0	1.71628E-13	0
370	571230.6	4178359	0.55, 41783	6.41954	4.85697	429.96716	118.18476	103.83364	47.29307	6.723E-10	3.20E-12	6.75E-10	4.5E-08	7.78E-11	4.51E-08	1.09E-08	6.83E-11	1.09E-08	2.08E-13	6.29E-13	3.64E-13	0	0	0	0	2.252E-08	7.5178E-08	1.82E-07	1.73223E-13	0	1.06414E-13	0
371	571270.6	4178359	0.55, 41783	4.24607	3.28764	330.34534	97.41521	71.25122	30.79427	4.44679E-10	2.16E-12	4.47E-10	3.46E-08	6.41E-11	3.47E-08	7.46E-09	4.69E-11	7.51E-09	1.38E-13	4.16E-13	2.41E-13	0	0	0	0	1.489E-08	5.7767E-08	1.25E-07	1.14588E-13	0	7.0393E-14	0
372	571310.6	4178359	0.55, 41783	3.01802	2.39332	280.32399	84.30249	47.38187	23.6076	3.16069E-10	1.58E-12	3.18E-10	2.94E-08	5.55E-11	2.94E-08	4.96E-09	3.12E-11	4.99E-09	9.8E-14	2.96E-13	1.71E-13	0	0	0	0	1.059E-08	4.9022E-08	8.32E-08	8.14561E-14	0	5.00398E-14	0
373	571350.6	4178359	0.55, 41783	2.25439	1.82521	223.1696	75.03337	32.74083	19.24184	2.36096E-10	1.20E-12	2.37E-10	2.34E-08	4.94E-11	2.34E-08	3.43E-09	2.15E-11	3.45E-09	7.32E-14	2.21E-13	1.28E-13	0	0	0	0	7.91E-09	3.9036E-08	5.75E-08	6.08521E-14	0	3.73824E-14	0
374	571390.6	4178359	0.55, 41783	1.7395	1.43625	164.0034	68.00709	25.39154	16.17569	1.82173E-10	9.45E-13	1.83E-10	1.72E-08	4.48E-11	1.72E-08	2.66E-09	1.67E-11	2.68E-09	5.65E-14	1.71E-13	9.88E-14	0	0	0	0	6.104E-09	2.8701E-08	4.46E-08	4.69585E-14	0	2.88474E-14	0
375	571430.6	4178359	0.55, 41783	1.37666	1.15767	113.66708	62.41604	21.33563	13.79366	1.44174E-10	7.62E-13	1.45E-10	1.19E-08	4.11E-11	1.19E-08	2.23E-09	1.40E-11	2.25E-09	4.47E-14	1.35E-13	7.82E-14	0	0	0	0	4.831E-09	1.9909E-08	3.75E-08	3.7167E-14	0	2.28323E-14	0
376	571470.6	4178359	0.55, 41783	1.11313	0.95193	91.64258	57.80687	17.74486	11.89568	1.16575E-10	6.26E-13	1.17E-10	9.6E-09	3.80E-11	9.64E-09	1.86E-09	1.17E-11	1.87E-09	3.62E-14	1.09E-13	6.32E-14	0	0	0	0	3.907E-09	1.6059E-08	3.12E-08	3.00549E-14	0	1.84632E-14	0
377	571510.6	4178359	0.55, 41783	0.9166	0.79605	82.11168	53.90312	14.64829	10.35284	9.59929E-11	5.24E-13	9.65E-11	8.6E-09	3.55E-11	8.63E-09	1.53E-09	9.64E-12	1.54E-09	2.98E-14	8.99E-14	5.21E-14	0	0	0	0	3.217E-09	1.4391E-08	2.57E-08	2.47506E-14	0	1.52047E-14	0
378	571550.6	4178359	0.55, 41783	0.76622	0.67498	72.9064	50.52239	12.13868	9.07968	8.02441E-11	4.44E-13	8.07E-11	7.64E-09	3.32E-11	7.67E-09	1.27E-09	7.99E-12	1.28E-09	2.49E-14	7.52E-14	4.35E-14	0	0	0	0	2.69E-09	1.2781E-08	2.13E-08	2.06916E-14	0	1.27112E-14	0
379	571590.6	4178359	0.55, 41783	0.64386	0.57575	65.94968	47.48497	10.99161	8.00686	6.74297E-11	3.79E-13	6.78E-11	6.91E-09	3.12E-11	6.94E-09	1.15E-09	7.23E-12	1.16E-09	2.09E-14	6.32E-14	3.66E-14	0	0	0	0	2.26E-09	1.1563E-08	1.93E-08	1.73887E-14	0	1.06822E-14	0
380	570310.6	4178399	0.55, 41783	0.11287	0.08031	71.34246	27.87564	11.89041	3.82503	1.18206E-11	5.29E-14	1.19E-11	7.47E-09	1.83E-11	7.49E-09	1.25E-09	7.83E-12	1.25E-09	3.66E-15	1.11E-14	6.4E-15	0	0	0	0	3.958E-10	1.2483E-08	2.09E-08	3.0448E-15	0	1.87047E-15	0
381	570350.6	4178399	0.55, 41783	0.12665	0.09175	75.96419	29.57043	12.46202	4.12173	1.32637E-11	6.04E-14	1.33E-11	7.96E-09	1.95E-11	7.97E-09	1.31E-09	8.20E-12	1.31E-09	4.11E-15	1.24E-14	7.19E-15	0	0	0	0	4.441E-10	1.3292E-08	2.19E-08	3.41681E-15	0	2.099E-15	0
382	570390.6	4178399	0.55, 41783	0.1425	0.10434	83.29233	31.439	13.04897	4.44958	1.49236E-11	6.87E-14	1.5E-11	8.72E-09	2.07E-11	8.74E-09	1.37E-09	8.59E-12	1.38E-09	4.63E-15	1.4E-14	8.09E-15	0	0	0	0	4.997E-10	1.4573E-08	2.29E-08	3.8446E-15	0	2.3618E-15	0
383	570430.6	4178399	0.55, 41783	0.16211	0.12032	91.32735	33.521	14.59534	4.81492	1.69773E-11	7.92E-14	1.71E-11	9.56E-09	2.21E-11	9.59E-09	1.53E-09	9.61E-12	1.54E-09	5.26E-15	1.59E-14	9.2E-15	0	0	0	0	5.686E-10	1.5978E-08	2.56E-08	4.37394E-15	0	2.68698E-15	0
384	570470.6	4178399	0.55, 41783	0.18668	0.14051	100.43451	35.89015	16.57018	5.22899	1.95505E-11	9.25E-14	1.96E-11	1.05E-08	2.36E-11	1.05E-08	1.74E-09	1.09E-11	1.75E-09	6.06E-15	1.83E-14	1.06E-14	0	0	0	0	6.548E-10	1.757E-08	2.91E-08	5.0372E-15	0	3.09444E-15	0
385	570510.6	4178399	0.55, 41783	0.21834	0.16684	112.76596	38.62084	18.79433	5.70408	2.28661E-11	1.10E-13	2.3E-11	1.18E-08	2.54E-11	1.18E-08	1.97E-09	1.24E-11	1.98E-09	7.09E-15	2.14E-14	1.24E-14	0	0	0	0	7.659E-10	1.9725E-08	3.3E-08	5.89191E-15	0	3.6195E-15	0
386	570550.6	4178399	0.55, 41783	0.26039	0.20212	127.75395	41.82578	21.29232	6.25899	2.72699E-11	1.33E-13	2.74E-11	1.34E-08	2.75E-11	1.34E-08	2.23E-09	1.40E-11	2.24E-09	8.46E-15	2.55E-14	1.48E-14	0	0	0	0	9.134E-10	2.2345E-08	3.74E-08	7.02716E-15	0	4.3169E-15	0
387	570590.6	4178399	0.55, 41783	0.3185	0.25095	144.10526	45.67081	24.01754	7.17597	3.33556E-11	1.65E-13	3.35E-11	1.51E-08	3.01E-11	1.51E-08	2.52E-09	1.58E-11	2.53E-09	1.03E-14	3.12E-14	1.81E-14	0	0	0	0	1.117E-09	2.5203E-08	4.22E-08	8.59601E-15	0	5.28067E-15	0
388	570630.6	4178399	0.55, 41783	0.40291	0.32135	177.65061	50.39519	27.05917	8.74903	4.21956E-11	2.11E-13	4.24E-11	1.86E-08	3.32E-11	1.86E-08	2.83E-09	1.78E-11	2.85E-09	1.31E-14	3.95E-14	2.29E-14	0	0	0	0	1.414E-09	3.1063E-08	4.75E-08	1.08748E-14	0	6.68057E-15	0
389	570670.6	4178399	0.55, 41783	0.53348	0.4284	224.79663	56.41372	32.60934	10.76331	5.58699E-11	2.82E-13	5.62E-11	2.35E-08	3.71E-11	2.36E-08	3.42E-09	2.15E-11	3.44E-09	1.73E-14	5.23E-14	3.03E-14	0	0	0	0	1.872E-09	3.9299E-08	5.73E-08	1.43995E-14	0	8.84583E-15	0
390	570710.6	4178399	0.55, 41783	0.75271	0.60288	297.96202	70.92072	41.13122	14.0152	7.88292E-11	3.97E-13	7.92E-11	3.12E-08	4.67E-11	3.13E-08	4.31E-09	2.71E-11	4.33E-09	2.44E-14	7.38E-14	4.27E-14	0	0	0	0	2.641E-09	5.2086E-08	7.22E-08	2.03166E-14	0	1.24808E-14	0
391	570750.6	4178399	0.55, 41783	1.15447	0.90762	416.42427	90.04322	52.05303	22.1169	1.20904E-10	5.97E-13	1.22E-10	4.36E-08	5.93E-11	4.37E-08	5.45E-09	3.43E-11	5.49E-09	3.75E-14	1.13E-13	6.55E-14	0	0	0	0	4.05E-09	7.2784E-08	9.14E-08	3.11577E-14	0	1.91407E-14	0
392	570790.6	4178399	0.55, 41783	1.70092	1.35462	632.44551	121.09647	79.05569	31.00919	1.78133E-10	8.91E-13	1.79E-10	6.62E-08	7.97E-11	6.63E-08	8.28E-09	5.20E-11	8.33E-09	5.52E-14	1.67E-13	9.66E-14	0	0	0	0	5.967E-09	1.1052E-07	1.39E-07	4.59086E-14	0	2.82024E-14	0
393	570830.6	4178399	0.55, 41783	3.46088	2.976	854.46592	185.76652	157.19416	64.23703	3.62448E-10	1.96E-12	3.64E-10	8.95E-08	1.22E-10	8.96E-08	1.65E-08	1.03E-10	1.66E-08	1.12E-13	3.4E-13	1.97E-13	0	0	0	0	1.215E-08	1.4935E-07	2.76E-07	9.34479E-14	0	5.74065E-14	0
394	571110.6	4178399	0.55, 41783	4.7766	17.70794	386.44752	237.89657	91.74551	117.26543	5.0024E-10	1.17E-11	5.12E-10	4.05E-08	1.57E-10	4.06E-08	9.61E-09	6.04E-11	9.67E-09	1.58E-13	4.77E-13	2.76E-13	0	0	0	0	1.706E-08	6.7714E-08	1.61E-07	1.31269E-13	0	8.06408E-14	0
395	571150.6	4178399	0.55, 41783	4.75682	9.04164	493.27775	194.83019	91.47407	80.27894	4.98168E-10	5.95E-12	5.04E-10	5.17E-08	1.28E-10	5.18E-08	9.58E-09	6.02E-11	9.64E-09	1.56E-13	4.7E-13	2.72E-13	0	0	0	0	1.68E-08	8.6313E-08	1.61E-07	1.29275E-13	0	7.9416E-14	0
396	571190.6	4178399	0.55, 41783	4.13591	5.67532	541.83424	159.29594	82.25115	55.55038	4.33142E-10	3.73E-12	4.37E-10	5.67E-08	1.05E-10	5.68E-08	8.61E-09	5.41E-11	8.67E-09	1.35E-13	4.07E-13	2.36E-13	0	0	0	0	1.456E-08	9.4749E-08	1.44E-07	1.12032E-13	0	6.88231E-14	0
397	571230.6	4178399	0.55, 41783	3.34043	3.91116	419.25179	113.41297	67.92735	42.50701	3.49834E-10	2.57E-12	3.52E-10	4.39E-08	7.46E-11	4.4E-08	7.11E-09	4.47E-11	7.16E-09	1.09E-13	3.28E-13	1.9E-13	0	0	0	0	1.175E-08	7.3303E-08	1.19E-07	9.03709E-14	0	5.55163E-14	0
398	571270.6	4178399	0.55, 41783	2.69096	2.84934	276.99568	96.24025	46.4546	32.10306	2.81817E-10	1.88E-12	2.84E-10	2.9E-08	6.33E-11	2.91E-08	4.87E-09	3.06E-11	4.9E-09	8.75E-14	2.64E-13	1.53E-13	0	0	0	0	9.456E-09	4.8454E-08	8.16E-08	7.27495E-14	0	4.46912E-14	0
399	571310.6	4178399	0.55, 41783	2.15304	2.16763	240.01182	84.08056	39.08125	24.00367	2.25482E-10	1.43E-12	2.27E-10	2.51E-08	5.53E-11	2.52E-08	4.09E-09	2.57E-11	4.12E-09	7E-14	2.11E-13	1.22E-13	0	0	0	0	7.564E-09	4.1985E-08	6.86E-08	5.8188E-14	0	3.57458E-14	0
400	571350.6	4178399	0.55, 41783	1.74135	1.70512	224.12525	73.73672	31.06226	18.34101	1.82367E-10	1.12E-12	1.83E-10	2.35E-08	4.85E-11	2.35E-08	3.25E-09	2.04E-11	3.27E-09	5.66E-14	1.71E-13	9.9E-14	0	0	0	0	6.116E-09	3.9201E-08	5.46E-08	4.70536E-14	0	2.89058E-14	0
401	571390.6	4178399	0.55, 41783	1.43215	1.37481	207.21833	64.01827	26.21992	15.02288	1.49985E-10	9.05E-13	1.51E-10	2.17E-08	4.21E-11	2.17E-08	2.75E-09	1.73E-11	2.76E-09	4.66E-14	1.41E-13	8.14E-14	0	0	0	0	5.03E-09	3.6239E-08	4.61E-08	3.86939E-14	0	2.37703E-14	0
402	571430.6	4178399	0.55, 41783	1.19016	1.12906	179.9524	59.14274	22.49405	12.88734	1.24642E-10	7.43E-13	1.25E-10	1.88E-08	3.89E-11	1.89E-08	2.36E-09	1.48E-11	2.37E-09	3.87E-14	1.17E-13	6.76E-14	0	0	0	0	4.18E-09	3.1475E-08	3.95E-08	3.21536E-14	0	1.97525E-14	0
403	571470.6	4178399	0.55, 41783	0.9966	0.93995	146.8642	55.47011	18.35802	11.23121	1.04371E-10	6.19E-13	1.05E-10	1.54E-08	3.65E-11	1.54E-08	1.92E-09	1.21E-11	1.93E-09	3.24E-14	9.78E-14	5.66E-14	0	0	0	0	3.5E-09	2.5695E-08	3.22E-08	2.69234E-14	0	1.65395E-14	0
404	571510.6	4178399	0.55, 41783	0.8441	0.79417	113.63796	52.27286	14.20474	9.85599	8.84002E-11	5.23E-13	8.89E-11	1.19E-08	3.44E-11	1.19E-08	1.49E-09	9.35E-12	1.5E-09	2.74E-14	8.29E-14	4.8E-14	0	0	0	0	2.964E-09	1.9892E-08	2.49E-08	2.28032E-14	0	1.40084E-14	0
405	571550.6	4178399	0.55, 41783	0.71988	0.67749	84.04695	49.45688	12.59546	8.65245	7.5391E-11	4.46E-13	7.58E-11	8.8E-09	3.25E-11	8.83E-09	1.32E-09	8.29E-12	1.33E-09	2.34E-14	7.07E-14	4.09E-14	0	0	0	0	2.528E-09	1.4724E-08	2.21E-08	1.94475E-14	0	1.19469E-14	0
406	571590.6	4178399	0.55, 41783	0.61846	0.58359	61.25343	46.95039	11.31778	7.65227	6.47696E-11	3.84E-13	6.52E-11	6.41E-09	3.09E-11	6.45E-09	1.19E-09	7.45E-12	1.19E-09	2.01E-14	6.07E-14	3.51E-14	0	0	0	0	2.172E-09	1.0743E-08	1.99E-08	1.67079E-14	0	1.02639E-14	0
407	570310.6	4178439	0.55, 41784	0.11265	0.08111	78.47962	27.91467	13.07994	3.48933	1.17975E-11	5.34E-14	1.19E-11	8.22E-09	1.84E-11	8.24E-09	1.37E-09	8.61E-12	1.38E-09	3.66E-15	1.1E-14	6.39E-15	0	0	0	0	3.95E-10	1.3729E-08	2.3E-08	3.03902E-15	0	1.86692E-15	0
408	570350.6	4178439	0.55, 41784	0.12585	0.09139	84.54471	29.62734	14.09078	3.70342	1.31799E-11	6.01E-14	1.32E-11	8.85E-09	1.95E-11	8.87E-09	1.48E-09	9.27E-12	1.48E-09	4.09E-15	1.23E-14	7.14E-15	0	0	0	0	4.413E-10	1.4789E-08	2.47E-08	3.39526E-15	0	2.08576E-15	0
409	570390.6	4178439	0.55, 41784	0.14252	0.10489	91.50908	31.67143	15.25151	4.06451	1.49257E-11	6.90E-14	1.5E-11	9.58E-09	2.08E-11	9.6E-09	1.6E-09	1.00E-11	1.61E-09	4.63E-15	1.4E-14	8.09E-15	0	0	0	0	4.998E-10	1.6007E-08	2.68E-08	3.84523E-15	0	2.36219E-15	0
410	570430.6	4178439	0.55, 41784	0.16313	0.12204	99.54775	33.93845	16.59129	4.47421	1.70841E-11	8.03E-14	1.72E-11	1.04E-08	2.23E-11	1.04E-08	1.74E-09	1.09E-11	1.75E-09	5.3E-15	1.6E-14	9.26E-15	0	0	0	0	5.721E-10	1.7413E-08	2.91E-08	4.40163E-15	0	2.70399E-15	0
411	570470.6	4178439	0.55, 41784	0.18858	0.14267	108.92524	36.54882	18.15421	4.93599	1.97495E-11	9.39E-14	1.98E-11	1.14E-08	2.41E-11	1.14E-08	1.9E-09	1.19E-11	1.91E-09	6.12E-15	1.85E-14	1.07E-14	0	0	0	0	6.614E-10	1.9052E-08	3.19E-08	5.08859E-15	0	3.12601E-15	0
412	570510.6	4178439	0.55, 41784	0.22167	0.16966	120.34611	39.98702	20.05769	5.68986	2.32149E-11	1.12E-13	2.33E-11	1.26E-08	2.63E-11	1.26E-08	2.1E-09	1.32E-11	2.11E-09	7.2E-15	2.17E-14	1.26E-14	0	0	0	0	7.776E-10	2.105E-08	3.52E-08	5.98182E-15	0	3.67473E-15	0
413	570550.6	4178439	0.55, 41784	0.2658	0.20594	134.27176	44.24032	22.37863	6.83821	2.78365E-11	1.36E-13	2.8E-11	1.41E-08	2.91E-11	1.41E-08	2.34E-09	1.47E-11	2.36E-09	8.63E-15	2.61E-14	1.51E-14	0	0	0	0	9.324E-10	2.3485E-08	3.93E-08	7.1731E-15	0	4.40655E-15	0
414	570590.6	4178439	0.55, 41784	0.3272	0.25654	151.91315	49.32778	25.31886	8.30482	3.42667E-11	1.69E-13	3.44E-11	1.59E-08	3.25E-11	1.59E-08	2.65E-09	1.67E-11	2.67E-09	1.06E-14	3.21E-14	1.86E-14	0	0	0	0	1.148E-09	2.657E-08	4.45E-08	8.8306E-15	0	5.42478E-15	0
415	570630.6	4178439	0.55, 41784	0.41735	0.33056	175.42083	55.6235	29.2368	10.21264	4.37079E-11	2.18E-13	4.39E-11	1.84E-08	3.66E-11	1.84E-08	3.06E-09	1.92E-11	3.08E-09	1.36E-14	4.09E-14	2.37E-14	0	0	0	0	1.464E-09	3.068E-08	5.14E-08	1.12642E-14	0	6.91976E-15	0
416	570670.6	4178439	0.55, 41784	0.56024	0.44648	208.37177	63.80907	34.72863	12.75328	5.86724E-11	2.94E-13	5.9E-11	2.18E-08	4.20E-11	2.19E-08	3.64E-09	2.29E-11	3.66E-09	1.82E-14	5.49E-14	3.18E-14	0	0	0	0	1.966E-09	3.644E-08	6.1E-08	1.51212E-14	0	9.28919E-15	0
417	570710.6	4178439	0.55, 41784	0.81434	0.64609	258.28683	75.2647	43.04781	16.40047	8.52835E-11	4.25E-13	8.57E-11	2.7E-08	4.95E-11	2.71E-08	4.51E-09	2.83E-11	4.54E-09	2.64E-14	7.99E-14	4.62E-14	0	0	0	0	2.857E-09	4.5165E-08	7.56E-08	2.1979E-14	0	1.35021E-14	0
418	570750.6	4178439	0.55, 41784	1.35572	1.03003	343.9155	93.10334	57.16949	22.25077	1.41981E-10	6.78E-13	1.43E-10	3.6E-08	6.13E-11	3.61E-08	5.99E-09	3.76E-11	6.02E-09	4.4E-14	1.33E-13	7.69E-14	0	0	0	0	4.755E-09	6.0131E-08	1E-07	3.65831E-14	0	2.24736E-14	0
419	570790.6	4178439	0.55, 41784	3.18264	2.0617	571.47263	129.70009	95.66015	38.79176	3.33309E-10	1.36E-12	3.35E-10	5.98E-08	8.54E-11	5.99E-08	1E-08	6.30E-11	1.01E-08	1.03E-13	3.12E-13	1.81E-13	0	0	0	0	1.116E-08	9.989E-08	1.68E-07	8.58211E-14	0	5.27213E-14	0
420	571070.6	4178439	0.55, 41784	4.74443	12.25677	251.71558	235.3671	48.15254	87.29167	4.96871E-10	8.07E-12	5.05E-10	2.64E-08	1.55E-10	2.65E-08	5.04E-09	3.17E-11	5.07E-09	1.56E-13	4.7E-13	2.72E-13	0	0	0	0	1.683E-08	4.4194E-08	8.46E-08	1.29485E-13	0	7.95449E-14	0
421	571110.6	4178439	0.55, 41784	3.89854	10.39914	292.37938	213.76959	54.55193	96.69541	4.08283E-10	6.84E-12	4.15E-10	3.06E-08	1.41E-10	3.08E-08	5.71E-09	3.59E-11	5.75E-09	1.28E-13	3.87E-13	2.24E-13	0	0	0	0	1.384E-08	5.1268E-08	9.58E-08	1.06454E-13	0	6.53967E-14	0
422	571150.6	4178439	0.55, 41784	3.24566	6.14355	299.25996	151.74182	53.26943	58.88405	3.39909E-10	4.04E-12	3.44E-10	3.13E-08	9.99E-11	3.14E-08	5.58E-09	3.51E-11	5.61E-09	1.06E-13	3.2E-13	1.86E-13	0	0	0	0	1.147E-08	5.2401E-08	9.36E-08	8.82025E-14	0	5.41842E-14	0
423	571190.6	4178439	0.55, 41784	2.68652	4.20662	319.22111	114.25705	45.60302	42.68486	2.81352E-10	2.77E-12	2.84E-10	3.34E-08	7.52E-11	3.35E-08	4.78E-09	3.00E-11	4.81E-09	8.77E-14	2.65E-13	1.53E-13	0	0	0	0	9.471E-09	5.5844E-08	8.01E-08	7.28593E-14	0	4.47586E-14	0
424	571230.6	4178439	0.55, 41784	2.2851	3.10379	355.31137	114.374	48.25343	33.87475	2.39312E-10	2.04E-12	2.41E-10	3.72E-08	7.53E-11	3.73E-08	5.05E-09	3.18E-11	5.09E-09	7.45E-14	2.25E-13	1.3E-13	0	0	0	0	8.045E-09	6.2143E-08	8.48E-08	6.18926E-14	0	3.80216E-14	0
425	571270.6	4178439	0.55, 41784	1.91581	2.39067	281.61312	92.35093	43.32371	28.45229	2.00637E-10	1.57E-12	2.02E-10	2.95E-08	6.08E-11	2.96E-08	4.54E-09	2.85E-11	4.57E-09	6.24E-14	1.88E-13	1.09E-13	0	0	0	0	6.74E-09	4.9256E-08	7.61E-08	5.18546E-14	0	3.18551E-14	0
426	571310.6	4178439	0.55, 41784	1.62017	1.88774	249.98498	75.512	38.72011	23.46838	1.69676E-10	1.24E-12	1.71E-10	2.62E-08	4.97E-11	2.62E-08	4.06E-09	2.55E-11	4.08E-09	5.27E-14	1.59E-13	9.22E-14	0	0	0	0	5.697E-09	4.3717E-08	6.8E-08	4.383E-14	0	2.69255E-14	0
427	571350.6	4178439	0.55, 41784	1.36969	1.52492	207.90528	71.02603	31.99215	18.96422	1.43444E-10	1.00E-12	1.44E-10	2.18E-08	4.67E-11	2.18E-08	3.35E-09	2.11E-11	3.37E-09	4.46E-14	1.35E-13	7.79E-14	0	0	0	0	4.815E-09	3.6367E-08	5.62E-08	3.70418E-14	0	2.27554E-14	0
428	571390.6	4178439	0.55, 41784	1.16602	1.25794	137.82846	66.02867	21.56098	15.29437	1.22114E-10	8.28E-13	1.23E-10	1.44E-08	4.35E-11	1.45E-08	2.26E-09	1.42E-11	2.27E-09	3.79E-14	1.15E-13	6.63E-14	0	0	0	0	4.098E-09	2.413E-08	3.79E-08	3.1527E-14	0	1.93676E-14	0
429	571430.6	4178439	0.55, 41784	1.00225	1.05165	150.81052	60.59063	19.07395	12.70811	1.04963E-10	6.92E-13	1.06E-10	1.58E-08	3.99E-11	1.58E-08	2E-09	1.26E-11	2.01E-09	3.26E-14	9.84E-14	5.7E-14	0	0	0	0	3.522E-09	2.639E-08	3.35E-08	2.7094E-14	0	1.66443E-14	0
430	571470.6	4178439	0.55, 41784	0.86528	0.88825	153.64691	54.59461	19.20586	10.6849	9.06183E-11	5.85E-13	9.12E-11	1.61E-08	3.59E-11	1.61E-08	2.01E-09	1.26E-11	2.02E-09	2.81E-14	8.5E-14	4.92E-14	0	0	0	0	3.04E-09	2.6878E-08	3.37E-08	2.33879E-14	0	1.43676E-14	0
431	571510.6	4178439	0.55, 41784	0.75493	0.76151	144.52703	49.13224	18.06588	9.74189	7.90617E-11	5.01E-13	7.96E-11	1.51E-08	3.23E-11	1.52E-08	1.89E-09	1.19E-11	1.9E-09	2.46E-14	7.41E-14	4.29E-14	0	0	0	0	2.652E-09	2.528E-08	3.17E-08	2.0403E-14	0	1.25339E-14	0
432	571550.6	4178439	0.55, 41784	0.65913	0.65716	127.58758	46.59598	15.94845	8.8858	6.90288E-11	4.32E-13	6.95E-11	1.34E-08	3.07E-11	1.34E-08	1.67E-09	1.05E-11	1.68E-09	2.14E-14	6.47E-14	3.75E-14	0	0	0	0	2.315E-09	2.2321E-08	2.8E-08	1.78125E-14	0	1.09425E-14	0
433	571590.6	4178439	0.55, 41784	0.57626	0.57045	106.82976	44.35137	13.35372	8.08009	6.03501E-11	3.75E-13	6.07E-11	1.12E-08	2.92E-11	1.12E-08	1.4E-09	8.79E-12	1.41E-09	1.87E-14	5.66E-14	3.28E-14	0	0	0	0	2.024E-09	1.8695E-08	2.35E-08	1.55723E-14	0	9.56635E-15	0
434	570310.6	4178479	0.55, 41784	0.1113	0.08183	74.58423	29.47815	11.80727	4.00274	1.16561E-11	5.39E-14	1.17E-11	7.81E-09	1.94E-11	7.83E-09	1.24E-09	7.77E-12	1.24E-09	3.61E-15	1.09E-14	6.32E-15	0	0	0	0	3.903E-10	1.3051E-08	2.07E-08	3.00289E-15	0	1.84472E-15	0
435	570350.6	4178479	0.55, 41784	0.12561	0.09388	80.0812	31.76761	12.83362	4.33491	1.31548E-11	6.18E-14	1.32E-11	8.39E-09	2.09E-11	8.41E-09	1.34E-09	8.45E-12	1.35E-09	4.08E-15	1.23E-14	7.13E-15	0	0	0	0	4.406E-10	1.4013E-08	2.25E-08	3.38923E-15	0	2.08206E-15	0
436	570390.6	4178479	0.55, 41784	0.14146	0.10678	86.10528	34.01158	14.01299	4.67053	1.48147E-11	7.03E-14	1.49E-11	9.02E-09	2.24E-11	9.04E-09	1.47E-09	9.22E-12	1.48E-09	4.59E-15	1.39E-14	8.03E-15	0	0	0	0	4.962E-10	1.5067E-08	2.46E-08	3.81708E-15	0	2.34489E-15	0
437	570430.6	4178479	0.55, 41784	0.16075	0.12266	93.00088	36.36689	15.32204	5.02469	1.68349E-11	8.07E-14	1.69E-11	9.74E-09	2.39E-11	9.76E-09	1.6E-09	1.01E-11	1.61E-09	5.22E-15	1.58E-14	9.12E-15	0	0	0	0	5.639E-10	1.6273E-08	2.69E-08	4.33781E-15	0	2.66479E-15	0
438	570470.6	4178479	0.55, 41784	0.18644	0.14379	101.96042	39.51551	16.93263	5.48718	1.95253E-11	9.46E-14	1.96E-11	1.07E-08	2.60E-11	1.07E-08	1.77E-09	1.11E-11	1.78E-09	6.05E-15	1.83E-14	1.06E-14	0	0	0	0	6.54E-10	1.784E-08	2.97E-08	5.03131E-15	0	3.09082E-15	0
439	570510.6	4178479	0.55, 41784	0.22079	0.17209	113.44919	43.50567	18.9082	6.17272	2.31227E-11	1.13E-13	2.32E-11	1.19E-08	2.86E-11	1.19E-08	1.98E-09	1.24E-11	1.99E-09	7.17E-15	2.16E-14	1.25E-14	0	0	0	0	7.745E-10	1.985E-08	3.32E-08	5.95859E-15	0	3.66046E-15	0
440	570550.6	4178479	0.55, 41784	0.2667	0.21004	127.7059	48.20733	21.28432	7.34053	2.79307E-11	1.38E-13	2.81E-11	1.34E-08	3.17E-11	1.34E-08	2.23E-09	1.40E-11	2.24E-09	8.66E-15	2.62E-14	1.51E-14	0	0	0	0	9.356E-10	2.2343E-08	3.74E-08	7.19796E-15	0	4.42182E-15	0
441	570590.6	4178479	0.55, 41784	0.32931	0.26248	144.67878	53.44745	24.11313	8.81975	3.44877E-11	1.73E-13	3.47E-11	1.52E-08	3.52E-11	1.52E-08	2.53E-09	1.59E-11	2.54E-09	1.07E-14	3.23E-14	1.87E-14	0	0	0	0	1.155E-09	2.5312E-08	4.24E-08	8.88827E-15	0	5.46021E-15	0
442	570630.6	4178479	0.55, 41784	0.42133	0.33962	165.95931	60.05375	27.65989	10.77683	4.41247E-11	2.24E-13	4.43E-11	1.74E-08	3.95E-11	1.74E-08	2.9E-09	1.82E-11	2.91E-09	1.37E-14	4.13E-14	2.39E-14	0	0	0	0	1.478E-09	2.9033E-08	4.86E-08	1.13726E-14	0	6.98636E-15	0
443	570670.6	4178479	0.55, 41784	0.56746	0.46145	193.36004	69.0612	32.22667	13.5092	5.94285E-11	3.04E-13	5.97E-11	2.03E-08	4.54E-11	2.03E-08	3.38E-09	2.12E-11	3.4E-09	1.84E-14	5.57E-14	3.22E-14	0	0	0	0	1.991E-09	3.3826E-08	5.66E-08	1.53176E-14	0	9.40986E-15	0
444	570710.6	4178479	0.55, 41784	0.83023	0.67528	236.53606	81.84268	39.07222	17.68943	8.69477E-11	4.44E-13	8.74E-11	2.48E-08	5.39E-11	2.48E-08	4.09E-09	2.57E-11	4.12E-09	2.7E-14	8.14E-14	4.71E-14	0	0	0	0	2.913E-09	4.1376E-08	6.86E-08	2.24107E-14	0	1.37672E-14	0
445	570750.6	4178479	0.55, 41784	1.42426	1.12918	342.03514	102.90165	49.67165	25.1054	1.49159E-10	7.43E-13	1.5E-10	3.58E-08	6.77E-11	3.59E-08	5.2E-09	3.27E-11	5.23E-09	4.63E-14	1.4E-13	8.09E-14	0	0	0	0	4.997E-09	5.9813E-08	8.72E-08	3.84406E-14	0	2.36147E-14	0
446	570790.6	4178479	0.55, 41784	3.63047	2.75084	596.75244	187.47347	107.7468	51.23422	3.80209E-10	1.81E-12	3.82E-10	6.25E-08	1.23E-10	6.26E-08	1.13E-08	7.09E-11	1.14E-08	1.18E-13	3.56E-13	2.06E-13	0	0	0	0	1.273E-08	1.0437E-07	1.89E-07	9.79644E-14	0	6.01811E-14	0
447	571030.6	4178479	0.55, 41784	9.40071	15.68167	333.68631	267.08575	81.11776	110.69164	9.8451E-10	1.03E-11	9.95E-10	3.49E-08	1.76E-10	3.51E-08	8.5E-09	5.34E-11	8.55E-09	3.07E-13	9.27E-13	5.37E-13	0	0	0	0	3.316E-08	5.8536E-08	1.42E-07	2.55113E-13	0	1.5672E-13	0
448	571070.6	4178479	0.55, 41784	5.59712	9.0131	216.22006	204.77885	54.58514	76.29745	5.86171E-10	5.93E-12	5.92E-10	2.26E-08	1.35E-10	2.28E-08	5.72E-09	3.59E-11	5.75E-09	1.83E-13	5.52E-13	3.19E-13	0	0	0	0	1.974E-08	3.7965E-08	9.59E-08	1.51838E-13	0	9.32764E-14	0
449	571110.6	4178479	0.55, 41784	3.86033	5.8724	232.77263	158.88759	40.87392	60.11848	4.04282E-10	3.86E-12	4.08E-10	2.44E-08	1.05E-10	2.45E-08	4.28E-09	2.69E-11	4.31E-09	1.26E-13	3.8E-13	2.2E-13	0	0	0	0	1.36E-08	4.0804E-08	7.18E-08	1.04664E-13	0	6.4297E-14	0
450	571150.6	4178479	0.55, 41784	2.87873	4.17215	243.47288	131.88403	36.94401	47.80365	3.01481E-10	2.75E-12	3.04E-10	2.55E-08	8.68E-11	2.56E-08	3.87E-09	2.43E-11	3.89E-09	9.39E-14	2.83E-13	1.64E-13	0	0	0	0	1.014E-08	4.2642E-08	6.49E-08	7.80155E-14	0	4.79262E-14	0
451	571190.6	4178479	0.55, 41784	2.25924	3.11768	272.99859	103.34976	40.61499	35.56429	2.36604E-10	2.05E-12	2.39E-10	2.86E-08	6.80E-11	2.87E-08	4.25E-09	2.67E-11	4.28E-09	7.36E-14	2.22E-13	1.29E-13	0	0	0	0	7.955E-09	4.7764E-08	7.13E-08	6.12005E-14	0	3.75964E-14	0
452	571230.6	4178479	0.55, 41784	1.86428	2.43731	228.60917	88.43023	34.9281	28.65964	1.95241E-10	1.60E-12	1.97E-10	2.39E-08	5.82E-11	2.4E-08	3.66E-09	2.30E-11	3.68E-09	6.07E-14	1.83E-13	1.06E-13	0	0	0	0	6.561E-09	4E-08	6.13E-08	5.04786E-14	0	3.10098E-14	0
453	571270.6	4178479	0.55, 41784	1.58233	1.95726	275.18297	89.4878	39.56066	24.38596	1.65713E-10	1.29E-12	1.67E-10	2.88E-08	5.89E-11	2.89E-08	4.14E-09	2.60E-11	4.17E-09	5.15E-14	1.56E-13	9.01E-14	0	0	0	0	5.567E-09	4.813E-08	6.95E-08	4.28255E-14	0	2.63084E-14	0
454	571310.6	4178479	0.55, 41784	1.35793	1.6065	222.77943	77.47813	32.82803	21.05024	1.42212E-10	1.06E-12	1.43E-10	2.33E-08	5.10E-11	2.34E-08	3.44E-09	2.16E-11	3.46E-09	4.42E-14	1.33E-13	7.73E-14	0	0	0	0	4.776E-09	3.897E-08	5.77E-08	3.67398E-14	0	2.25698E-14	0
455	571350.6	4178479	0.55, 41784	1.1642	1.33076	210.30644	64.61424	30.9494	18.13628	1.21923E-10	8.76E-13	1.23E-10	2.2E-08	4.25E-11	2.21E-08	3.24E-09	2.04E-11	3.26E-09	3.79E-14	1.14E-13	6.62E-14	0	0	0	0	4.093E-09	3.6779E-08	5.44E-08	3.14904E-14	0	1.93451E-14	0
456	571390.6	4178479	0.55, 41784	1.001	1.11694	187.8278	60.73144	27.7002	15.35336	1.04832E-10	7.35E-13	1.06E-10	1.97E-08	4.00E-11	1.97E-08	2.9E-09	1.82E-11	2.92E-09	3.26E-14	9.84E-14	5.69E-14	0	0	0	0	3.519E-09	3.2851E-08	4.87E-08	2.70714E-14	0	1.66304E-14	0
457	571430.6	4178479	0.55, 41784	0.8626	0.94616	141.00765	57.76687	20.99683	12.7525	9.03377E-11	6.23E-13	9.1E-11	1.48E-08	3.80E-11	1.48E-08	2.2E-09	1.38E-11	2.21E-09	2.81E-14	8.48E-14	4.91E-14	0	0	0	0	3.032E-09	2.4676E-08	3.69E-08	2.33257E-14	0	1.43294E-14	0
458	571470.6	4178479	0.55, 41784	0.75511	0.81334	85.41876	54.87579	13.60469	11.10539	7.90806E-11	5.35E-13	7.96E-11	8.95E-09	3.61E-11	8.98E-09	1.42E-09	8.95E-12	1.43E-09	2.46E-14	7.42E-14	4.29E-14	0	0	0	0	2.654E-09	1.497E-08	2.39E-08	2.04165E-14	0	1.25422E-14	0
459	571510.6	4178479	0.55, 41784	0.666	0.70453	104.54177	51.61661	13.06772	9.4895	6.97483E-11	4.64E-13	7.02E-11	1.09E-08	3.40E-11	1.1E-08	1.37E-09	8.60E-12	1.38E-09	2.17E-14	6.54E-14	3.79E-14	0	0	0	0	2.34E-09	1.8304E-08	2.3E-08	1.8005E-14	0	1.10608E-14	0
460	571550.6	4178479	0.55, 41784	0.58993	0.61436	114.23468	47.78612	14.27934	8.47335	6.17817E-11	4.04E-13	6.22E-11	1.2E-08	3.14E-11	1.2E-08	1.5E-09	9.40E-12	1.5E-09	1.92E-14	5.79E-14	3.35E-14	0	0	0	0	2.073E-09	1.9992E-08	2.51E-08	1.59469E-14	0	9.79643E-15	0
461	571590.6	4178479	0.55, 41784	0.5248	0.5396	114.71837	43.31659	14.3398	7.89274	5.49608E-11	3.55E-13	5.53E-11	1.2E-08	2.85E-11	1.2E-08	1.5E-09	9.44E-12	1.51E-09	1.71E-14	5.15E-14	2.98E-14	0	0	0	0	1.844E-09	2.0071E-08	2.52E-08	1.41851E-14	0	8.71416E-15	0
462	570310.6	4178519	0.55, 41785	0.10968	0.08323	75.92481	30.95134	12.65413	4.31611	1.14865E-11	5.48E-14	1.15E-11	7.95E-09	2.04E-11	7.97E-09	1.33E-09	8.33E-12	1.33E-09	3.56E-15	1.08E-14	6.23E-15	0	0	0	0	3.847E-10	1.3286E-08	2.22E-08	2.95962E-15	0	1.81814E-15	0
463	570350.6	4178519	0.55, 41785	0.12253	0.09413	80.98331	32.52203	13.49722	4.56123	1.28322E-11	6.19E-14	1.29E-11	8.48E-09	2.14E-11	8.5E-09	1.41E-09	8.88E-12	1.42E-09	3.98E-15	1.2E-14	6.95E-15	0	0	0	0	4.298E-10	1.4171E-08	2.37E-08	3.30656E-15	0	2.03127E-15	0
464	570390.6	4178519	0.55, 41785	0.13706	0.10653	86.4192	34.09518	14.4032	4.78567	1.43539E-11	7.01E-14	1.44E-11	9.05E-09	2.24E-11	9.07E-09	1.51E-09	9.48E-12	1.52E-09	4.45E-15	1.34E-14	7.78E-15	0	0	0	0	4.808E-10	1.5121E-08	2.53E-08	3.69887E-15	0	2.27228E-15	0
465	570430.6	4178519	0.55, 41785	0.15657	0.12308	93.48729	36.56809	15.58121	5.11226	1.63971E-11	8.10E-14	1.65E-11	9.79E-09	2.41E-11	9.81E-09	1.63E-09	1.03E-11	1.64E-09	5.08E-15	1.54E-14	8.89E-15	0	0	0	0	5.493E-10	1.6358E-08	2.74E-08	4.22563E-15	0	2.59587E-15	0
466	570470.6	4178519	0.55, 41785	0.18113	0.14422	101.65142	39.2669	16.9419	5.47129	1.89692E-11	9.49E-14	1.91E-11	1.06E-08	2.58E-11	1.07E-08	1.77E-09	1.11E-11	1.79E-09	5.88E-15	1.78E-14	1.03E-14	0	0	0	0	6.355E-10	1.7786E-08	2.98E-08	4.88878E-15	0	3.00326E-15	0
467	570510.6	4178519	0.55, 41785	0.21556	0.17373	112.42418	43.21366	18.73736	6.23491	2.2575E-11	1.14E-13	2.27E-11	1.18E-08	2.84E-11	1.18E-08	1.96E-09	1.23E-11	1.97E-09	7E-15	2.11E-14	1.22E-14	0	0	0	0	7.563E-10	1.9671E-08	3.29E-08	5.81841E-15	0	3.57435E-15	0
468	570550.6	4178519	0.55, 41785	0.26244	0.21401	127.39838	48.06291	20.89373	7.26318	2.74846E-11	1.41E-13	2.76E-11	1.33E-08	3.16E-11	1.34E-08	2.19E-09	1.38E-11	2.2E-09	8.52E-15	2.57E-14	1.49E-14	0	0	0	0	9.208E-10	2.229E-08	3.67E-08	7.08422E-15	0	4.35195E-15	0
469	570590.6	4178519	0.55, 41785	0.32438	0.26815	146.74921	52.55391	23.05175	8.49659	3.39714E-11	1.76E-13	3.41E-11	1.54E-08	3.46E-11	1.54E-08	2.41E-09	1.52E-11	2.43E-09	1.05E-14	3.18E-14	1.84E-14	0	0	0	0	1.138E-09	2.5672E-08	4.05E-08	8.75683E-15	0	5.37946E-15	0
470	570630.6	4178519	0.55, 41785	0.41604	0.34788	170.82398	60.03664	25.41079	10.076	4.35707E-11	2.29E-13	4.38E-11	1.79E-08	3.95E-11	1.79E-08	2.66E-09	1.67E-11	2.68E-09	1.35E-14	4.08E-14	2.36E-14	0	0	0	0	1.46E-09	2.9882E-08	4.46E-08	1.12319E-14	0	6.89994E-15	0
471	570670.6	4178519	0.55, 41785	0.56352	0.47347	210.6175	71.54419	27.95974	12.2085	5.90159E-11	3.12E-13	5.93E-11	2.21E-08	4.71E-11	2.21E-08	2.93E-09	1.84E-11	2.95E-09	1.83E-14	5.53E-14	3.2E-14	0	0	0	0	1.978E-09	3.6841E-08	4.91E-08	1.52138E-14	0	9.34611E-15	0
472	570710.6	4178519	0.55, 41785	0.82936	0.69158	257.30872	94.91316	32.16359	16.3308	8.68565E-11	4.55E-13	8.73E-11	2.69E-08	6.25E-11	2.7E-08	3.37E-09	2.12E-11	3.39E-09	2.69E-14	8.14E-14	4.71E-14	0	0	0	0	2.91E-09	4.5016E-08	5.65E-08	2.23901E-14	0	1.37546E-14	0
473	570750.6	4178519	0.55, 41785	1.36529	1.13262	327.60111	130.96882	45.80096	29.91109	1.42983E-10	7.45E-13	1.44E-10	3.43E-08	8.62E-11	3.44E-08	4.8E-09	3.01E-11	4.83E-09	4.44E-14	1.34E-13	7.75E-14	0	0	0	0	4.791E-09	5.7325E-08	8.04E-08	3.68575E-14	0	2.26421E-14	0
474	570790.6	4178519	0.55, 41785	2.09469	1.90095	339.24086	174.34023	59.4987	49.70987	2.19371E-10	1.25E-12	2.21E-10	3.55E-08	1.15E-10	3.56E-08	6.23E-09	3.92E-11	6.27E-09	6.81E-14	2.06E-13	1.19E-13	0	0	0	0	7.354E-09	5.9404E-08	1.05E-07	5.65759E-14	0	3.47555E-14	0
475	570990.6	4178519	0.55, 41785	30.9381	16.28557	1645.60932	278.46944	444.29015	131.46412	3.24006E-09	1.07E-11	3.25E-09	1.72E-07	1.83E-10	1.73E-07	4.65E-08	2.92E-10	4.68E-08	1E-12	3.03E-12	1.75E-12	0	0	0	0	1.084E-07	2.8754E-07	7.8E-07	8.33624E-13	0	5.12109E-13	0
476	571030.6	4178519	0.55, 41785	10.39533	8.05295	575.07494	188.36146	130.51861	75.45666	1.08867E-09	5.30E-12	1.09E-09	6.02E-08	1.24E-10	6.03E-08	1.37E-08	8.59E-11	1.38E-08	3.38E-13	1.02E-12	5.9E-13	0	0	0	0	3.647E-08	1.0058E-07	2.29E-07	2.80537E-13	0	1.72338E-13	0
477	571070.6	4178519	0.55, 41785	5.62777	5.38206	327.13066	151.27996	61.45445	56.79768	5.89381E-10	3.54E-12	5.93E-10	3.43E-08	9.96E-11	3.44E-08	6.44E-09	4.04E-11	6.48E-09	1.83E-13	5.52E-13	3.2E-13	0	0	0	0	1.976E-08	5.7265E-08	1.08E-07	1.52048E-13	0	9.34056E-14	0
478	571110.6	4178519	0.55, 41785	3.70135	3.92679	194.51307	130.68512	41.68788	44.49195	3.87632E-10	2.58E-12	3.9E-10	2.04E-08	8.60E-11	2.05E-08	4.37E-09	2.74E-11	4.39E-09	1.2E-13	3.64E-13	2.1E-13	0	0	0	0	1.301E-08	3.4095E-08	7.32E-08	1.00066E-13	0	6.14724E-14	0
479	571150.6	4178519	0.55, 41785	2.69329	3.00723	208.02281	103.35418	30.40761	37.50867	2.82061E-10	1.98E-12	2.84E-10	2.18E-08	6.80E-11	2.19E-08	3.18E-09	2.00E-11	3.2E-09	8.76E-14	2.65E-13	1.53E-13	0	0	0	0	9.468E-09	3.6423E-08	5.34E-08	7.28387E-14	0	4.4746E-14	0
480	571190.6	4178519	0.55, 41785	2.08526	2.38411	205.94825	100.14217	32.90062	31.32752	2.18383E-10	1.57E-12	2.2E-10	2.16E-08	6.59E-11	2.16E-08	3.45E-09	2.17E-11	3.47E-09	6.79E-14	2.05E-13	1.19E-13	0	0	0	0	7.332E-09	3.6057E-08	5.78E-08	5.64042E-14	0	3.465E-14	0
481	571230.6	4178519	0.55, 41785	1.66362	1.91731	215.41751	83.66277	30.77393	25.17962	1.74226E-10	1.26E-12	1.75E-10	2.26E-08	5.51E-11	2.26E-08	3.22E-09	2.03E-11	3.24E-09	5.42E-14	1.64E-13	9.47E-14	0	0	0	0	5.85E-09	3.7692E-08	5.41E-08	4.50019E-14	0	2.76454E-14	0
482	571270.6	4178519	0.55, 41785	1.38104	1.58176	194.90891	74.63088	31.16799	21.56574	1.44632E-10	1.04E-12	1.46E-10	2.04E-08	4.91E-11	2.05E-08	3.26E-09	2.05E-11	3.28E-09	4.5E-14	1.36E-13	7.86E-14	0	0	0	0	4.856E-09	3.4102E-08	5.47E-08	3.73562E-14	0	2.29485E-14	0
483	571310.6	4178519	0.55, 41785	1.18628	1.33473	227.7435	74.01926	34.0231	18.88588	1.24236E-10	8.78E-13	1.25E-10	2.39E-08	4.87E-11	2.39E-08	3.56E-09	2.24E-11	3.59E-09	3.86E-14	1.17E-13	6.75E-14	0	0	0	0	4.17E-09	3.9833E-08	5.98E-08	3.20841E-14	0	1.97098E-14	0
484	571350.6	4178519	0.55, 41785	1.02794	1.1349	186.21806	66.32591	28.09378	16.3212	1.07653E-10	7.47E-13	1.08E-10	1.95E-08	4.36E-11	1.95E-08	2.94E-09	1.85E-11	2.96E-09	3.35E-14	1.01E-13	5.85E-14	0	0	0	0	3.613E-09	3.2576E-08	4.93E-08	2.7798E-14	0	1.70767E-14	0
485	571390.6	4178519	0.55, 41785	0.88898	0.96986	165.64096	58.31983	23.55305	14.40747	9.31004E-11	6.38E-13	9.37E-11	1.73E-08	3.84E-11	1.74E-08	2.47E-09	1.55E-11	2.48E-09	2.89E-14	8.73E-14	5.06E-14	0	0	0	0	3.125E-09	2.8976E-08	4.14E-08	2.40382E-14	0	1.4767E-14	0
486	571430.6	4178519	0.55, 41785	0.7696	0.83467	166.81635	54.79876	23.72844	12.50769	8.0598E-11	5.49E-13	8.11E-11	1.75E-08	3.61E-11	1.75E-08	2.49E-09	1.56E-11	2.5E-09	2.5E-14	7.56E-14	4.38E-14	0	0	0	0	2.705E-09	2.9177E-08	4.17E-08	2.08093E-14	0	1.27835E-14	0
487	571470.6	4178519	0.55, 41785	0.67066	0.72494	138.40145	51.97552	19.82816	10.73341	7.02363E-11	4.77E-13	7.07E-11	1.45E-08	3.42E-11	1.45E-08	2.08E-09	1.30E-11	2.09E-09	2.18E-14	6.59E-14	3.81E-14	0	0	0	0	2.357E-09	2.4214E-08	3.48E-08	1.81336E-14	0	1.11398E-14	0
488	571510.6	4178519	0.55, 41785	0.58987	0.63439	93.94363	49.66848	13.736	9.50533	6.17754E-11	4.17E-13	6.22E-11	9.84E-09	3.27E-11	9.87E-09	1.44E-09	9.04E-12	1.45E-09	1.92E-14	5.79E-14	3.35E-14	0	0	0	0	2.073E-09	1.6452E-08	2.41E-08	1.59487E-14	0	9.79752E-15	0
489	571550.6	4178519	0.55, 41785	0.52422	0.55926	64.7066	47.53612	9.81761	8.44297	5.49001E-11	3.68E-13	5.53E-11	6.78E-09	3.13E-11	6.81E-09	1.03E-09	6.46E-12	1.03E-09	1.71E-14	5.15E-14	2.98E-14	0	0	0	0	1.842E-09	1.1346E-08	1.72E-08	1.41729E-14	0	8.70662E-15	0
490	571590.6	4178519	0.55, 41785	0.47148	0.49721	75.39988	45.27823	9.54319	7.49343	4.93768E-11	3.27E-13	4.97E-11	7.9E-09	2.98E-11	7.93E-09	9.99E-10	6.28E-12	1.01E-09	1.53E-14	4.63E-14	2.68E-14	0	0	0	0	1.657E-09	1.321E-08	1.68E-08	1.2746E-14	0	7.83008E-15	0
491	570310.6	4178559	0.55, 41785	0.10731	0.08405	76.80272	30.54078	12.80045	4.19275	1.12383E-11	5.53E-14	1.13E-11	8.04E-09	2.01E-11	8.06E-09	1.34E-09	8.42E-12	1.35E-09	3.48E-15	1.05E-14	6.09E-15	0	0	0	0	3.765E-10	1.3439E-08	2.25E-08	2.89611E-15	0	1.77913E-15	0
492	570350.6	4178559	0.55, 41785	0.11907	0.09438	82.9813	31.5625	13.39224	4.31782	1.24699E-11	6.21E-14	1.25E-11	8.69E-09	2.08E-11	8.71E-09	1.4E-09	8.81E-12	1.41E-09	3.87E-15	1.17E-14	6.76E-15	0	0	0	0	4.177E-10	1.4519E-08	2.35E-08	3.21368E-15	0	1.97422E-15	0
493	570390.6	4178559	0.55, 41785	0.1339	0.10748	90.55746	32.83588	14.07263	4.47793	1.4023E-11	7.07E-14	1.41E-11	9.48E-09	2.16E-11	9.51E-09	1.47E-09	9.26E-12	1.48E-09	4.35E-15	1.31E-14	7.6E-15	0	0	0	0	4.698E-10	1.5842E-08	2.47E-08	3.61417E-15	0	2.22024E-15	0
494	570430.6	4178559	0.55, 41785	0.15297	0.12443	99.07784	34.42492	14.88754	4.68196	1.60201E-11	8.19E-14	1.61E-11	1.04E-08	2.27E-11	1.04E-08	1.56E-09	9.80E-12	1.57E-09	4.97E-15	1.5E-14	8.69E-15	0	0	0	0	5.367E-10	1.7331E-08	2.61E-08	4.12917E-15	0	2.53662E-15	0
495	570470.6	4178559	0.55, 41785	0.17711	0.14611	108.3811	37.13833	15.68816	5.10948	1.85482E-11	9.62E-14	1.86E-11	1.14E-08	2.44E-11	1.14E-08	1.64E-09	1.03E-11	1.65E-09	5.75E-15	1.74E-14	1.01E-14	0	0	0	0	6.215E-10	1.8958E-08	2.76E-08	4.78114E-15	0	2.93713E-15	0
496	570510.6	4178559	0.55, 41785	0.21022	0.1758	119.02071	41.74654	16.67371	5.7123	2.20158E-11	1.16E-13	2.21E-11	1.25E-08	2.75E-11	1.25E-08	1.75E-09	1.10E-11	1.76E-09	6.83E-15	2.06E-14	1.19E-14	0	0	0	0	7.377E-10	2.082E-08	2.93E-08	5.67535E-15	0	3.48646E-15	0
497	570550.6	4178559	0.55, 41785	0.25686	0.21737	138.81712	48.97119	17.78034	6.5378	2.69002E-11	1.43E-13	2.7E-11	1.45E-08	3.22E-11	1.46E-08	1.86E-09	1.17E-11	1.87E-09	8.35E-15	2.52E-14	1.46E-14	0	0	0	0	9.014E-10	2.4284E-08	3.12E-08	6.93493E-15	0	4.26024E-15	0
498	570590.6	4178559	0.55, 41785	0.31921	0.27311	158.95656	55.69599	19.86957	7.90259	3.343E-11	1.80E-13	3.36E-11	1.66E-08	3.67E-11	1.67E-08	2.08E-09	1.31E-11	2.09E-09	1.04E-14	3.13E-14	1.81E-14	0	0	0	0	1.12E-09	2.7806E-08	3.49E-08	8.61882E-15	0	5.29468E-15	0
499	570630.6	4178559	0.55, 41785	0.41072	0.35398	180.38278	65.18573	22.54785	9.64997	4.30136E-11	2.33E-13	4.32E-11	1.89E-08	4.29E-11	1.89E-08	2.36E-09	1.48E-11	2.38E-09	1.33E-14	4.03E-14	2.33E-14	0	0	0	0	1.442E-09	3.1556E-08	3.96E-08	1.10901E-14	0	6.81281E-15	0
500	570670.6	4178559	0.55, 41785	0.55178	0.47716	218.05495	85.23197	27.25687	14.02323	5.77864E-11	3.14E-13	5.81E-11	2.28E-08	5.61E-11	2.29E-08	2.85E-09	1.79E-11	2.87E-09	1.79E-14	5.41E-14	3.13E-14	0	0	0	0	1.937E-09	3.8154E-08	4.79E-08	1.48992E-14	0	9.1528E-15	0
501	570710.6	4178559	0.55, 41785	0.78132	0.6809	244.71244	105.12049	32.595	21.74638	8.18255E-11	4.48E-13	8.23E-11	2.56E-08	6.92E-11	2.57E-08	3.41E-09	2.15E-11	3.44E-09	2.54E-14	7.67E-14	4.44E-14	0	0	0	0	2.742E-09	4.2829E-08	5.73E-08	2.10981E-14	0	1.29609E-14	0
502	570750.6	4178559	0.55, 41785	1.13763	1.02831	276.33124	124.7524	39.47589	32.46528	1.19141E-10	6.77E-13	1.2E-10	2.89E-08	8.21E-11	2.9E-08	4.13E-09	2.60E-11	4.16E-09	3.7E-14	1.12E-13	6.46E-14	0	0	0	0	3.994E-09	4.8369E-08	6.93E-08	3.07258E-14	0	1.88754E-14	0
503	570790.6	4178559	0.55, 41785	1.48115	1.46435	285.306	157.20995	43.19026	42.97795	1.55117E-10	9.64E-13	1.56E-10	2.99E-08	1.03E-10	3E-08	4.52E-09	2.84E-11	4.55E-09	4.82E-14	1.45E-13	8.42E-14	0	0	0	0	5.203E-09	4.9971E-08	7.59E-08	4.0025E-14	0	2.4588E-14	0
504	570830.6	4178559	0.55, 41785	2.67811	2.99292	342.02881	178.80856	66.23843	64.34565	2.80471E-10	1.97E-12	2.82E-10	3.58E-08	1.18E-10	3.59E-08	6.94E-09	4.36E-11	6.98E-09	8.72E-14	2.63E-13	1.52E-13	0	0	0	0	9.415E-09	5.9896E-08	1.16E-07	7.24286E-14	0	4.44941E-14	0
505	570950.6	4178559	0.55, 41785	26.55575	12.00196	679.01352	318.67052	280.37281	116.3834	2.78111E-09	7.90E-12	2.79E-09	7.11E-08	2.10E-10	7.13E-08	2.94E-08	1.85E-10	2.95E-08	8.61E-13	2.6E-12	1.5E-12	0	0	0	0	9.297E-08	1.1887E-07	4.92E-07	7.15209E-13	0	4.39364E-13	0
506	570990.6	4178559	0.55, 41785	10.52141	6.96087	639.29991	205.65266	133.52138	75.6432	1.10188E-09	4.58E-12	1.11E-09	6.7E-08	1.35E-10	6.71E-08	1.4E-08	8.79E-11	1.41E-08	3.41E-13	1.03E-12	5.97E-13	0	0	0	0	3.688E-08	1.1181E-07	2.35E-07	2.83738E-13	0	1.74305E-13	0
507	571030.6	4178559	0.55, 41785	6.12086	4.69941	562.31532	143.87555	97.52112	53.65332	6.4102E-10	3.09E-12	6.44E-10	5.89E-08	9.47E-11	5.9E-08	1.02E-08	6.42E-11	1.03E-08	1.99E-13	6E-13	3.47E-13	0	0	0	0	2.147E-08	9.8307E-08	1.71E-07	1.65175E-13	0	1.0147E-13	0
508	571070.6	4178559	0.55, 41785	4.00501	3.46908	291.75499	122.4909	69.10596	41.80504	4.19433E-10	2.28E-12	4.22E-10	3.06E-08	8.06E-11	3.06E-08	7.24E-09	4.55E-11	7.28E-09	1.3E-13	3.93E-13	2.27E-13	0	0	0	0	1.406E-08	5.1059E-08	1.21E-07	1.08144E-13	0	6.64348E-14	0
509	571110.6	4178559	0.55, 41785	2.89394	2.70355	288.47324	105.99812	48.03981	36.46899	3.03074E-10	1.78E-12	3.05E-10	3.02E-08	6.98E-11	3.03E-08	5.03E-09	3.16E-11	5.06E-09	9.41E-14	2.84E-13	1.64E-13	0	0	0	0	1.016E-08	5.0468E-08	8.44E-08	7.81761E-14	0	4.80249E-14	0
510	571150.6	4178559	0.55, 41785	2.21115	2.17534	240.56187	97.79178	31.90722	30.3701	2.31568E-10	1.43E-12	2.33E-10	2.52E-08	6.44E-11	2.53E-08	3.34E-09	2.10E-11	3.36E-09	7.19E-14	2.17E-13	1.26E-13	0	0	0	0	7.767E-09	4.2096E-08	5.6E-08	5.97499E-14	0	3.67053E-14	0
511	571190.6	4178559	0.55, 41785	1.76303	1.79806	177.14345	83.63267	24.55859	26.34777	1.84637E-10	1.18E-12	1.86E-10	1.86E-08	5.50E-11	1.86E-08	2.57E-09	1.62E-11	2.59E-09	5.73E-14	1.73E-13	1E-13	0	0	0	0	6.194E-09	3.1011E-08	4.31E-08	4.76515E-14	0	2.92731E-14	0
512	571230.6	4178559	0.55, 41785	1.44054	1.50665	192.87207	80.98435	29.09943	22.26218	1.50864E-10	9.92E-13	1.52E-10	2.02E-08	5.33E-11	2.03E-08	3.05E-09	1.92E-11	3.07E-09	4.69E-14	1.41E-13	8.19E-14	0	0	0	0	5.062E-09	3.3754E-08	5.11E-08	3.89415E-14	0	2.39224E-14	0
513	571270.6	4178559	0.55, 41785	1.19178	1.27042	167.21575	71.42327	22.32638	19.23301	1.24812E-10	8.36E-13	1.26E-10	1.75E-08	4.70E-11	1.76E-08	2.34E-09	1.47E-11	2.35E-09	3.88E-14	1.17E-13	6.78E-14	0	0	0	0	4.188E-09	2.9265E-08	3.92E-08	3.22209E-14	0	1.97938E-14	0

514	571310.6	4178559	0.55, 41785	1.01245	1.08581	169.23295	65.49002	26.6418	16.91234	1.06031E-10	7.15E-13	1.07E-10	1.77E-08	4.31E-11	1.78E-08	2.79E-09	1.75E-11	2.81E-09	3.29E-14	9.95E-14	5.76E-14	0	0	0	0	3.558E-09	2.9611E-08	4.68E-08	2.73737E-14	0	1.68161E-14	0
515	571350.6	4178559	0.55, 41785	0.8838	0.94242	194.09519	63.64749	28.90026	14.99354	9.25579E-11	6.20E-13	9.32E-11	2.03E-08	4.19E-11	2.04E-08	3.03E-09	1.90E-11	3.05E-09	2.88E-14	8.68E-14	5.03E-14	0	0	0	0	3.106E-09	3.3948E-08	5.08E-08	2.38944E-14	0	1.46787E-14	0
516	571390.6	4178559	0.55, 41785	0.78025	0.82372	158.10154	57.98385	23.81897	12.89204	8.17134E-11	5.42E-13	8.23E-11	1.66E-08	3.82E-11	1.66E-08	2.49E-09	1.57E-11	2.51E-09	2.54E-14	7.66E-14	4.44E-14	0	0	0	0	2.742E-09	2.7659E-08	4.18E-08	2.10935E-14	0	1.29581E-14	0
517	571430.6	4178559	0.55, 41785	0.68512	0.72115	137.68904	52.2569	18.93914	11.62385	7.17507E-11	4.75E-13	7.22E-11	1.44E-08	3.44E-11	1.45E-08	1.98E-09	1.25E-11	2E-09	2.23E-14	6.73E-14	3.9E-14	0	0	0	0	2.408E-09	2.409E-08	3.33E-08	1.85213E-14	0	1.1378E-14	0
518	571470.6	4178559	0.55, 41785	0.60049	0.63425	143.56241	49.93475	19.90478	10.29716	6.28876E-11	4.17E-13	6.33E-11	1.5E-08	3.29E-11	1.51E-08	2.08E-09	1.31E-11	2.1E-09	1.95E-14	5.9E-14	3.41E-14	0	0	0	0	2.11E-09	2.5113E-08	3.5E-08	1.62338E-14	0	9.97271E-15	0
519	571510.6	4178559	0.55, 41785	0.52736	0.56045	131.02036	47.72087	18.26486	8.99798	5.52289E-11	3.69E-13	5.56E-11	1.37E-08	3.14E-11	1.38E-08	1.91E-09	1.20E-11	1.92E-09	1.72E-14	5.18E-14	3E-14	0	0	0	0	1.853E-09	2.2921E-08	3.21E-08	1.42574E-14	0	8.75855E-15	0
520	571550.6	4178559	0.55, 41785	0.46874	0.49944	99.50634	45.73793	14.05158	8.03042	4.90898E-11	3.29E-13	4.94E-11	1.04E-08	3.01E-11	1.05E-08	1.47E-09	9.25E-12	1.48E-09	1.52E-14	4.6E-14	2.67E-14	0	0	0	0	1.647E-09	1.7419E-08	2.47E-08	1.26728E-14	0	7.78511E-15	0
521	571590.6	4178559	0.55, 41785	0.42104	0.44786	63.39282	43.98321	9.17705	7.35207	4.40943E-11	2.95E-13	4.44E-11	6.64E-09	2.89E-11	6.67E-09	9.61E-10	6.04E-12	9.67E-10	1.37E-14	4.14E-14	2.39E-14	0	0	0	0	1.48E-09	1.1113E-08	1.61E-08	1.13831E-14	0	6.9928E-15	0
522	570310.6	4178599	0.55, 41785	0.10507	0.08466	83.25071	28.48032	11.19876	3.62883	1.10037E-11	5.57E-14	1.11E-11	8.72E-09	1.87E-11	8.74E-09	1.17E-09	7.37E-12	1.18E-09	3.41E-15	1.03E-14	5.97E-15	0	0	0	0	3.686E-10	1.4562E-08	1.97E-08	2.83605E-15	0	1.74223E-15	0
523	570350.6	4178599	0.55, 41785	0.11716	0.09561	88.57329	30.33455	11.44069	3.79182	1.22698E-11	6.29E-14	1.23E-11	9.28E-09	2.00E-11	9.3E-09	1.2E-09	7.53E-12	1.21E-09	3.81E-15	1.15E-14	6.65E-15	0	0	0	0	4.111E-10	1.5493E-08	2.01E-08	3.16259E-15	0	1.94283E-15	0
524	570390.6	4178599	0.55, 41785	0.13131	0.10865	93.2639	32.45644	11.65799	4.05706	1.37517E-11	7.15E-14	1.38E-11	9.77E-09	2.14E-11	9.79E-09	1.22E-09	7.67E-12	1.23E-09	4.27E-15	1.29E-14	7.46E-15	0	0	0	0	4.608E-10	1.6314E-08	2.05E-08	3.54481E-15	0	2.17763E-15	0
525	570430.6	4178599	0.55, 41785	0.15022	0.126	103.53542	36.02365	12.94193	4.50296	1.57321E-11	8.29E-14	1.58E-11	1.08E-08	2.37E-11	1.09E-08	1.36E-09	8.52E-12	1.36E-09	4.88E-15	1.47E-14	8.53E-15	0	0	0	0	5.272E-10	1.8111E-08	2.27E-08	4.05558E-15	0	2.49141E-15	0
526	570470.6	4178599	0.55, 41785	0.17421	0.14819	115.63183	39.91557	14.45398	5.34922	1.82445E-11	9.75E-14	1.83E-11	1.21E-08	2.63E-11	1.21E-08	1.51E-09	9.51E-12	1.52E-09	5.66E-15	1.71E-14	9.89E-15	0	0	0	0	6.114E-10	2.0227E-08	2.54E-08	4.7036E-15	0	2.8895E-15	0
527	570510.6	4178599	0.55, 41785	0.20799	0.17912	128.15759	44.54205	16.0197	6.36274	2.17822E-11	1.18E-13	2.19E-11	1.34E-08	2.93E-11	1.35E-08	1.68E-09	1.05E-11	1.69E-09	6.76E-15	2.04E-14	1.18E-14	0	0	0	0	7.3E-10	2.2418E-08	2.81E-08	5.61602E-15	0	3.45001E-15	0
528	570550.6	4178599	0.55, 41785	0.25382	0.22088	141.74172	51.90419	17.71771	7.41488	2.65819E-11	1.45E-13	2.67E-11	1.48E-08	3.42E-11	1.49E-08	1.86E-09	1.17E-11	1.87E-09	8.25E-15	2.49E-14	1.44E-14	0	0	0	0	8.909E-10	2.4797E-08	3.11E-08	6.85388E-15	0	4.21045E-15	0
529	570590.6	4178599	0.55, 41785	0.31442	0.27626	161.8077	62.94071	20.22596	8.27119	3.29283E-11	1.82E-13	3.31E-11	1.69E-08	4.14E-11	1.7E-08	2.12E-09	1.33E-11	2.13E-09	1.02E-14	3.08E-14	1.79E-14	0	0	0	0	1.104E-09	2.8312E-08	3.55E-08	8.49071E-15	0	5.21598E-15	0
530	570630.6	4178599	0.55, 41785	0.39904	0.35395	187.04764	77.01967	23.38095	12.20463	4.17903E-11	2.33E-13	4.2E-11	1.96E-08	5.07E-11	1.96E-08	2.45E-09	1.54E-11	2.46E-09	1.3E-14	3.92E-14	2.27E-14	0	0	0	0	1.401E-09	3.2733E-08	4.11E-08	1.07764E-14	0	6.6201E-15	0
531	570670.6	4178599	0.55, 41785	0.52025	0.46779	203.91154	89.67976	27.18561	17.16092	5.44843E-11	3.08E-13	5.48E-11	2.14E-08	5.90E-11	2.14E-08	2.85E-09	1.79E-11	2.86E-09	1.69E-14	5.11E-14	2.96E-14	0	0	0	0	1.826E-09	3.569E-08	4.77E-08	1.40508E-14	0	8.63164E-15	0
532	570710.6	4178599	0.55, 41785	0.68748	0.63563	226.5911	101.22552	32.37016	22.387	7.19979E-11	4.18E-13	7.24E-11	2.37E-08	6.66E-11	2.38E-08	3.39E-09	2.13E-11	3.41E-09	2.23E-14	6.75E-14	3.91E-14	0	0	0	0	2.414E-09	3.9661E-08	5.69E-08	1.85703E-14	0	1.1408E-14	0
533	570750.6	4178599	0.55, 41785	0.91976	0.89022	243.41497	114.05895	34.77357	31.00996	9.63239E-11	5.86E-13	9.69E-11	2.55E-08	7.51E-11	2.56E-08	3.64E-09	2.29E-11	3.66E-09	2.99E-14	9.03E-14	5.23E-14	0	0	0	0	3.23E-09	4.2612E-08	6.11E-08	2.48514E-14	0	1.52666E-14	0
534	570790.6	4178599	0.55, 41785	1.20615	1.22781	261.32328	130.44037	39.31654	39.06207	1.26317E-10	8.08E-13	1.27E-10	2.74E-08	8.58E-11	2.75E-08	4.12E-09	2.59E-11	4.14E-09	3.92E-14	1.18E-13	6.86E-14	0	0	0	0	4.237E-09	4.5756E-08	6.91E-08	3.25997E-14	0	2.00265E-14	0
535	570830.6	4178599	0.55, 41785	1.86035	2.06593	307.79075	158.37727	57.33573	51.17396	1.94829E-10	1.36E-12	1.96E-10	3.22E-08	1.04E-10	3.23E-08	6E-09	3.77E-11	6.04E-09	6.05E-14	1.83E-13	1.06E-13	0	0	0	0	6.54E-09	5.3897E-08	1.01E-07	5.03103E-14	0	3.09065E-14	0
536	570870.6	4178599	0.55, 41785	2.81953	3.8452	429.66876	238.19724	77.96533	87.47681	2.95281E-10	2.53E-12	2.98E-10	4.5E-08	1.57E-10	4.52E-08	8.17E-09	5.13E-11	8.22E-09	9.19E-14	2.77E-13	1.61E-13	0	0	0	0	9.927E-09	7.5258E-08	1.37E-07	7.63704E-14	0	4.69156E-14	0
537	570910.6	4178599	0.55, 41785	4.21414	6.38342	555.65098	273.48442	124.98504	103.73159	4.41335E-10	4.20E-12	4.46E-10	5.82E-08	1.80E-10	5.84E-08	1.31E-08	8.23E-11	1.32E-08	1.37E-13	4.15E-13	2.4E-13	0	0	0	0	1.485E-08	9.7286E-08	2.2E-07	1.14253E-13	0	7.01872E-14	0
538	570950.6	4178599	0.55, 41785	4.59898	4.54538	563.80012	195.03038	96.52509	58.5202	4.81638E-10	2.99E-12	4.85E-10	5.9E-08	1.28E-10	5.92E-08	1.01E-08	6.35E-11	1.02E-08	1.5E-13	4.52E-13	2.61E-13	0	0	0	0	1.615E-08	9.8623E-08	1.7E-07	1.24278E-13	0	7.63458E-14	0
539	570990.6	4178599	0.55, 41785	3.82228	3.4158	387.45867	157.86758	74.93195	45.58999	4.00297E-10	2.25E-12	4.03E-10	4.06E-08	1.04E-10	4.07E-08	7.85E-09	4.93E-11	7.9E-09	1.24E-13	3.75E-13	2.17E-13	0	0	0	0	1.342E-08	6.7802E-08	1.32E-07	1.03228E-13	0	6.34146E-14	0
540	571030.6	4178599	0.55, 41785	3.02247	2.69987	442.17309	124.03841	67.82636	38.72372	3.16535E-10	1.78E-12	3.18E-10	4.63E-08	8.16E-11	4.64E-08	7.1E-09	4.46E-11	7.15E-09	9.82E-14	2.97E-13	1.72E-13	0	0	0	0	1.061E-08	7.7315E-08	1.19E-07	8.16273E-14	0	5.0145E-14	0
541	571070.6	4178599	0.55, 41785	2.43201	2.20804	323.32852	105.96293	49.87717	32.54487	2.54698E-10	1.45E-12	2.56E-10	3.39E-08	6.97E-11	3.39E-08	5.22E-09	3.28E-11	5.26E-09	7.9E-14	2.39E-13	1.38E-13	0	0	0	0	8.538E-09	5.6552E-08	8.76E-08	6.56869E-14	0	4.03525E-14	0
542	571110.6	4178599	0.55, 41785	1.9361	1.83698	285.52756	89.63178	42.26506	28.59229	2.02762E-10	1.21E-12	2.04E-10	2.99E-08	5.90E-11	3E-08	4.43E-09	2.78E-11	4.45E-09	6.29E-14	1.9E-13	1.1E-13	0	0	0	0	6.799E-09	4.9936E-08	7.42E-08	5.2306E-14	0	3.21325E-14	0
543	571150.6	4178599	0.55, 41785	1.58315	1.55537	182.41041	88.91432	29.75311	25.20352	1.65799E-10	1.02E-12	1.67E-10	1.91E-08	5.85E-11	1.92E-08	3.12E-09	1.96E-11	3.14E-09	5.15E-14	1.55E-13	9E-14	0	0	0	0	5.561E-09	3.1936E-08	5.23E-08	4.27797E-14	0	2.62802E-14	0
544	571190.6	4178599	0.55, 41785	1.33739	1.33597	189.26194	77.8274	24.55337	21.99349	1.40061E-10	8.79E-13	1.41E-10	1.98E-08	5.12E-11	1.99E-08	2.57E-09	1.62E-11	2.59E-09	4.35E-14	1.31E-13	7.6E-14	0	0	0	0	4.698E-09	3.312E-08	4.31E-08	3.61425E-14	0	2.22029E-14	0
545	571230.6	4178599	0.55, 41785	1.14183	1.1549	177.02423	70.01737	25.42204	18.83046	1.19581E-10	7.60E-13	1.2E-10	1.85E-08	4.61E-11	1.86E-08	2.66E-09	1.67E-11	2.68E-09	3.71E-14	1.12E-13	6.49E-14	0	0	0	0	4.011E-09	3.0976E-08	4.47E-08	3.086E-14	0	1.89578E-14	0
546	571270.6	4178599	0.55, 41785	0.97959	1.00523	160.46118	68.49541	22.92303	16.81937	1.0259E-10	6.62E-13	1.03E-10	1.68E-08	4.51E-11	1.68E-08	2.4E-09	1.51E-11	2.42E-09	3.19E-14	9.62E-14	5.57E-14	0	0	0	0	3.442E-09	2.8083E-08	4.03E-08	2.64776E-14	0	1.62656E-14	0
547	571310.6	4178599	0.55, 41785	0.84011	0.87488	131.92842	62.86665	16.49105	15.16442	8.79824E-11	5.76E-13	8.86E-11	1.38E-08	4.14E-11	1.39E-08	1.73E-09	1.09E-11	1.74E-09	2.73E-14	8.25E-14	4.78E-14	0	0	0	0	2.952E-09	2.3096E-08	2.9E-08	2.27097E-14	0	1.39509E-14	0
548	571350.6	4178599	0.55, 41785	0.73896	0.77159	149.85158	58.69155	22.55392	13.49962	7.73892E-11	5.08E-13	7.79E-11	1.57E-08	3.86E-11	1.57E-08	2.36E-09	1.48E-11	2.38E-09	2.4E-14	7.26E-14	4.2E-14	0	0	0	0	2.597E-09	2.622E-08	3.96E-08	1.99758E-14	0	1.22714E-14	0
549	571390.6	4178599	0.55, 41785	0.661	0.68563	168.50279	56.32456	24.41155	12.10471	6.92247E-11	4.51E-13	6.97E-11	1.76E-08	3.71E-11	1.77E-08	2.56E-09	1.61E-11	2.57E-09	2.15E-14	6.49E-14	3.76E-14	0	0	0	0	2.323E-09	2.9473E-08	4.29E-08	1.78676E-14	0	1.09763E-14	0
550	571430.6	4178599	0.55, 41785	0.59511	0.61204	136.17098	51.76249	20.03651	10.61326	6.23242E-11	4.03E-13	6.27E-11	1.43E-08	3.41E-11	1.43E-08	2.1E-09	1.32E-11	2.11E-09	1.94E-14	5.84E-14	3.38E-14	0	0	0	0	2.091E-09	2.3825E-08	3.52E-08	1.60856E-14	0	9.88165E-15	0
551	571470.6	4178599	0.55, 41785	0.53051	0.54561	117.9441	47.17442	16.84916	9.40387	5.55588E-11	3.59E-13	5.59E-11	1.24E-08	3.10E-11	1.24E-08	1.76E-09	1.11E-11	1.78E-09	1.73E-14	5.21E-14	3.02E-14	0	0	0	0	1.864E-09	2.0638E-08	2.96E-08	1.43395E-14	0	8.80898E-15	0
552	571510.6	4178599	0.55, 41785	0.47218	0.48877	120.07824	45.51387	16.38718	8.49605	4.94501E-11	3.22E-13	4.98E-11	1.26E-08	3.00E-11	1.26E-08	1.72E-09	1.08E-11	1.73E-09	1.54E-14	4.64E-14	2.68E-14	0	0	0	0	1.659E-09	2.1009E-08	2.88E-08	1.27634E-14	0	7.84075E-15	0
553	571550.6	4178599	0.55, 41785	0.42043	0.43954	119.99429	43.92883	16.43506	7.56489	4.40305E-11	2.89E-13	4.43E-11	1.26E-08	2.89E-11	1.26E-08	1.72E-09	1.08E-11	1.73E-09	1.37E-14	4.13E-14	2.39E-14	0	0	0	0	1.477E-09	2.0993E-08	2.89E-08	1.13653E-14	0	6.98187E-15	0
554	571590.6	4178599	0.55, 41785	0.37632	0.39688	100.33698	42.40478	13.86046	7.00095	3.94109E-11	2.61E-13	3.97E-11	1.05E-08	2.79E-11	1.05E-08	1.45E-09	9.12E-12	1.46E-09	1.22E-14	3.7E-14	2.14E-14	0	0	0	0	1.322E-09	1.756E-08	2.43E-08	1.01735E-14	0	6.24972E-15	0
555	570310.6	4178639	0.55, 41786	0.10356	0.08559	83.92303	29.66661	10.49038	3.70833	1.08455E-11	5.63E-14	1.09E-11	8.79E-09	1.95E-11	8.81E-09	1.1E-09	6.90E-12	1.11E-09	3.36E-15	1.02E-14	5.88E-15	0	0	0	0	3.634E-10	1.4681E-08	1.84E-08	2.79566E-15	0	1.71742E-15	0
556	570350.6	4178639	0.55, 41786	0.1161	0.09716	92.63397	32.60646	11.57925	4.08084	1.21588E-11	6.39E-14	1.22E-11	9.7E-09	2.15E-11	9.72E-09	1.21E-09	7.62E-12	1.22E-09	3.77E-15	1.14E-14	6.59E-15	0	0	0	0	4.074E-10	1.6205E-08	2.03E-08	3.13439E-15	0	1.9255E-15	0
557	570390.6	4178639	0.55, 41786	0.13068	0.11086	100.54346	34.97331	12.56793	4.70976	1.36857E-11	7.30E-14	1.38E-11	1.05E-08	2.30E-11	1.06E-08	1.32E-09	8.27E-12	1.32E-09	4.25E-15	1.28E-14	7.42E-15	0	0	0	0	4.586E-10	1.7588E-08	2.21E-08	3.52826E-15	0	2.16747E-15	0
558	570430.6	4178639	0.55, 41786	0.14929	0.12834	107.49924	37.52244	13.4374	5.36035	1.56347E-11	8.45E-14	1.57E-11	1.13E-08	2.47E-11	1.13E-08	1.41E-09	8.84E-12	1.42E-09	4.85E-15	1.46E-14	8.48E-15	0	0	0	0	5.24E-10	1.8805E-08	2.36E-08	4.031E-15	0	2.47631E-15	0
559	570470.6	4178639	0.55, 41786	0.17443	0.15183	116.62505	42.4162	14.57813	6.05946	1.82676E-11	9.99E-14	1.84E-11	1.22E-08	2.79E-11	1.22E-08	1.53E-09	9.59E-12	1.54E-09	5.67E-15	1.71E-14	9.91E-15	0	0	0	0	6.122E-10	2.0403E-08	2.56E-08	4.71013E-15	0	2.89351E-15	0
560	570510.6	4178639	0.55, 41786	0.20768	0.18277	127.00459	48.18252	15.87557	6.71257	2.17497E-11	1.20E-13	2.19E-11	1.33E-08	3.17E-11	1.33E-08	1.66E-09	1.04E-11	1.67E-09	6.75E-15	2.04E-14	1.18E-14	0	0	0	0	7.29E-10	2.2221E-08	2.79E-08	5.60831E-15	0	3.44528E-15	0
561	570550.6	4178639	0.55, 41786	0.2504	0.22269	148.76746	59.99627	18.59593	7.58374	2.62237E-11	1.47E-13	2.64E-11	1.56E-08	3.95E-11	1.56E-08	1.95E-09	1.22E-11	1.96E-09	8.14E-15	2.46E-14	1.42E-14	0	0	0	0	8.79E-10	2.6032E-08	3.27E-08	6.76234E-15	0	4.15422E-15	0
562	570590.6	4178639	0.55, 41786	0.30521	0.27478	162.38276	69.4472	20.29784	10.74133	3.19638E-11	1.81E-13	3.21E-11	1.7E-08	4.57E-11	1.71E-08	2.13E-09	1.34E-11	2.14E-09	9.92E-15	2.99E-14	1.73E-14	0	0	0	0	1.071E-09	2.8419E-08	3.57E-08	8.24311E-15	0	5.06388E-15	0
563	570630.6	4178639	0.55, 41786	0.37839	0.34592	177.15033	78.68271	23.7109	14.16715	3.96277E-11	2.28E-13	3.99E-11	1.86E-08	5.18E-11	1.86E-08	2.48E-09	1.56E-11	2.5E-09	1.23E-14	3.71E-14	2.15E-14	0	0	0	0	1.329E-09	3.1007E-08	4.16E-08	1.02204E-14	0	6.27859E-15	0
564	570670.6	4178639	0.55, 41786	0.47152	0.44129	194.04584	86.02037	27.72083	17.24466	4.9381E-11	2.90E-13	4.97E-11	2.03E-08	5.66E-11	2.04E-08	2.9E-09	1.82E-11	2.92E-09	1.53E-14	4.63E-14	2.68E-14	0	0	0	0	1.656E-09	3.3964E-08	4.87E-08	1.27376E-14	0	7.82494E-15	0
565	570710.6	4178639	0.55, 41786	0.59058	0.57043	207.44684	93.90742	29.63526	21.88085	6.18498E-11	3.75E-13	6.22E-11	2.17E-08	6.18E-11	2.18E-08	3.1E-09	1.95E-11	3.12E-09	1.92E-14	5.8E-14	3.36E-14	0	0	0	0	2.074E-09	3.6312E-08	5.21E-08	1.59569E-14	0	9.8026E-15	0
566	570750.6	4178639	0.55, 41786	0.7421	0.74424	219.27007	107.04803	31.3243	27.05481	7.77181E-11	4.90E-13	7.82E-11	2.3E-08	7.04E-11	2.3E-08	3.28E-09	2.06E-11	3.3E-09	2.41E-14	7.29E-14	4.22E-14	0	0	0	0	2.607E-09	3.839E-08	5.5E-08	2.00555E-14	0	1.23204E-14	0
567	570790.6	4178639	0.55, 41786	0.94425	0.97087	237.37937	117.94026	33.01145	30.70173	9.88887E-11	6.39E-13	9.95E-11	2.49E-08	7.76E-11	2.49E-08	3.46E-09	2.17E-11	3.48E-09	3.07E-14	9.27E-14	5.37E-14	0	0	0	0	3.318E-09	4.1563E-08	5.8E-08	2.55227E-14	0	1.5679E-14	0
568	570830.6	4178639	0.55, 41786	1.23329	1.33292	295.25944	130.22679	42.69044	39.99654	1.29159E-10	8.77E-13	1.3E-10	3.09E-08	8.57E-11	3.1E-08	4.47E-09	2.81E-11	4.5E-09	4.01E-14	1.21E-13	7.01E-14	0	0	0	0	4.335E-09	5.1679E-08	7.5E-08	3.33463E-14	0	2.04852E-14	0
569	570870.6	4178639	0.55, 41786	1.50989	1.73214	317.24906	188.19869	58.25942	53.82297	1.58127E-10	1.14E-12	1.59E-10	3.32E-08	1.24E-10	3.33E-08	6.1E-09	3.83E-11	6.14E-09	4.91E-14	1.48E-13	8.59E-14	0	0	0	0	5.309E-09	5.5581E-08	1.02E-07	4.0842E-14	0	2.50899E-14	0
570	570910.6	4178639	0.55, 41786	1.78259	1.99297	332.58479	179.86407	63.94152	52.98497	1.86686E-10	1.31E-12	1.88E-10	3.48E-08	1.18E-10	3.49E-08	6.7E-09	4.21E-11	6.74E-09	5.8E-14	1.75E-13	1.01E-13	0	0	0	0	6.267E-09	5.8248E-08	1.12E-07	4.82097E-14	0	2.9616E-14	0
571	570950.6	4178639	0.55, 41786	1.86524	1.94862	326.77204	147.92341	57.64661	41.4452	1.95341E-10	1.28E-12	1.97E-10	3.42E-08	9.73E-11	3.43E-08	6.04E-09	3.79E-11	6.08E-09	6.07E-14	1.83E-13	1.06E-13	0	0	0	0	6.554E-09	5.7199E-08	1.01E-07	5.04219E-14	0	3.0975E-14	0
572	570990.6	4178639	0.55, 41786	1.76592	1.78245	311.73236	122.31574	43.80696	33.57582	1.8494E-10	1.17E-12	1.86E-10	3.26E-08	8.05E-11	3.27E-08	4.59E-09	2.88E-11	4.62E-09	5.74E-14	1.73E-13	1E-13	0	0	0	0	6.204E-09	5.4546E-08	7.69E-08	4.77265E-14	0	2.93192E-14	0
573	571030.6	4178639	0.55, 41786	1.5977	1.58915	263.38378	106.70114	40.88022	26.80487	1.67323E-10	1.05E-12	1.68E-10	2.76E-08	7.02E-11	2.77E-08	4.28E-09	2.69E-11	4.31E-09	5.2E-14	1.57E-13	9.08E-14	0	0	0	0	5.612E-09	4.6089E-08	7.18E-08	4.31761E-14	0	2.65238E-14	0
574	571070.6	4178639	0.55, 41786	1.42629	1.41473	323.91584	92.06505	44.84431	24.93328	1.49371E-10	9.31E-13	1.5E-10	3.39E-08	6.06E-11	3.4E-08	4.7E-09	2.95E-11	4.73E-09	4.64E-14	1.4E-13	8.11E-14	0	0	0	0	5.01E-09	5.6639E-08	7.88E-08	3.85433E-14	0	2.36778E-14	0
575	571110.6	4178639	0.55, 41786	1.27265	1.25146	231.49813	85.11921	34.4516	22.95032	1.33281E-10	8.24E-13	1.34E-10	2.42E-08	5.60E-11	2.43E-08	3.61E-09	2.27E-11	3.63E-09	4.14E-14	1.25E-13	7.23E-14	0	0	0	0	4.47E-09	4.05E-08	6.05E-08	3.43896E-14	0	2.11261E-14	0
576	571150.6	4178639	0.55, 41786	1.10067	1.1079	235.36335	78.49538	33.92291	20.75102	1.1527E-10	7.29E-13	1.16E-10	2.46E-08	5.17E-11	2.47E-08	3.55E-09	2.23E-11	3.57E-09	3.58E-14	1.08E-13	6.26E-14	0	0	0	0	3.867E-09	4.1168E-08	5.96E-08	2.97466E-14	0	1.82738E-14	0
577	571190.6	4178639	0.55, 41786	0.96404	0.98605	150.10185	73.9658	22.00887	18.66835	1.00961E-10	6.49E-13	1.02E-10	1.57E-08	4.87E-11	1.58E-08	2.3E-09	1.45E-11	2.32E-09	3.14E-14	9.47E-14	5.48E-14	0	0	0	0	3.387E-09	2.6281E-08	3.87E-08	2.60567E-14	0	1.60071E-14	0
578	571230.6	4178639	0.55, 41786	0.85847	0.87787	130.71922	65.23747	20.98447	16.26127	8.99052E-11	5.78E-13	9.05E-11	1.37E-08	4.29E-11	1.37E-08	2.2E-09	1.38E-11	2.21E-09	2.79E-14	8.43E-14	4.88E-14	0	0	0	0	3.016E-09	2.2888E-08	3.69E-08	2.32033E-14	0	1.42542E-14	0
579	571270.6	4178639	0.55, 41786	0.76521	0.78388	147.71702	61.52416	22.46264	14.29709	8.01383E-11	5.16E-13	8.07E-11	1.55E-08	4.05E-11	1.55E-08	2.35E-09	1.48E-11	2.37E-09	2.49E-14	7.51E-14	4.35E-14	0	0	0	0	2.688E-09	2.5851E-08	3.95E-08	2.06828E-14	0	1.27058E-14	0
580	571310.6	4178639	0.55, 41786	0.67814	0.70066	136.41117	59.8434	17.34958	13.40052	7.10197E-11	4.61E-13	7.15E-11	1.43E-08	3.94E-11	1.43E-08	1.82E-09	1.14E-11	1.83E-09	2.21E-14	6.66E-14	3.86E-14	0	0	0	0	2.383E-09	2.3876E-08	3.05E-08	1.83304E-14	0	1.12607E-14	0
581	571350.6	4178639	0.55, 41786	0.60279	0.6273	124.67819	56.4143	15.58477	12.33978	6.31285E-11	4.13E-13	6.35E-11	1.31E-08	3.71E-11	1.31E-08	1.63E-09	1.03E-11	1.64E-09	1.96E-14	5.92E-14	3.43E-14	0	0	0	0	2.118E-09	2.1824E-08	2.74E-08	1.62944E-14	0	1.00099E-14	0
582	571390.6	4178639	0.55, 41786	0.54567	0.56561	134.64293	53.30447	19.4501	11.04071	5.71465E-11	3.72E-13	5.75E-11	1.41E-08	3.51E-11	1.41E-08	2.04E-09	1.28E-11	2.05E-09	1.77E-14	5.36E-14	3.1E-14	0	0	0	0	1.917E-09	2.356E-08	3.42E-08	1.475E-14	0	9.06117E-15	0
583	571430.6	4178639	0.55, 41786	0.50035	0.51255	147.79016	50.85435	20.77571	9.97795	5.24003E-11	3.37E-13	5.27E-11	1.55E-08	3.35E-11	1.55E-08	2.18E-09	1.37E-11	2.19E-09	1.63E-14	4.91E-14	2.84E-14	0	0	0	0	1.758E-09	2.5852E-08	3.65E-08	1.35239E-14	0	8.30797E-15	0
584	571470.6	4178639	0.55, 41786	0.45884	0.46513	118.76181	47.03177	16.94782	8.9119	4.8053E-11	3.06E-13	4.84E-11	1.24E-08	3.10E-11	1.25E-08	1.77E-09	1.12E-11	1.79E-09	1.49E-14	4.51E-14	2.61E-14	0	0	0	0	1.612E-09	2.0781E-08	2.98E-08	1.24011E-14	0	7.61822E-15	0
585	571510.6	4178639	0.55, 41786	0.41516	0.4204	105.04191	43.02213	15.00599	7.61313	4.34785E-11	2.77E-13	4.38E-11	1.1E-08	2.83E-11	1.1E-08	1.57E-09	9.88E-12	1.58E-09	1.35E-14	4.08E-14	2.36E-14	0	0	0	0	1.459E-09	1.8382E-08	2.64E-08	1.12205E-14	0	6.89294E-15	0
586	571550.6	4178639	0.55, 41786	0.37489	0.38245	101.59712	41.64808	13.25702	7.0054	3.92612E-11	2.52E-13	3.95E-11	1.06E-08	2.74E-11	1.07E-08	1.39E-09	8.72E-12	1.4E-09	1.22E-14	3.68E-14	2.13E-14	0	0	0	0	1.317E-09	1.7779E-08	2.33E-08	1.01326E-14	0	6.22463E-15	0
587	571590.6	4178639	0.55, 41786	0.33863	0.34937	106.83121	40.48294	14.45913	6.53587	3.54638E-11	2.30E-13	3.57E-11	1.12E-08	2.66E-11	1.12E-08	1.51E-09	9.52E-12	1.52E-09	1.1E-14	3.33E-14	1.93E-14	0	0	0	0	1.19E-09	1.8691E-08	2.54E-08	9.15323E-15	0	5.62298E-15	0
588	570310.6	4178679	0.55, 41786	0.10291	0.0869	88.39628	30.98258	11.04953	4.21243	1.07775E-11	5.72E-14	1.08E-11	9.26E-09	2.04E-11	9.28E-09	1.16E-09	7.27E-12	1.16E-09	3.34E-15	1.01E-14	5.84E-15	0	0	0	0	3.612E-10	1.5463E-08	1.94E-08	2.77842E-15	0	1.70683E-15	0
589	570350.6	4178679	0.55, 41786	0.11574	0.09888	93.23081	33.32166	11.65385	4.76024	1.21211E-11	6.51E-14	1.22E-11	9.76E-09	2.19E-11	9.79E-09	1.22E-09	7.67E-12	1.23E-09	3.76E-15	1.14E-14	6.57E-15	0	0	0	0	4.062E-10	1.631E-08	2.05E-08	3.12501E-15	0	1.91974E-15	0
590	570390.6	4178679	0.55, 41786	0.13137	0.11361	99.39798	36.831	12.42475	5.26157	1.3758E-11	7.48E-14	1.38E-11	1.04E-08	2.42E-11	1.04E-08	1.3E-09	8.18E-12	1.31E-09	4.27E-15	1.29E-14	7.46E-15	0	0	0	0	4.611E-10	1.739E-08	2.18E-08	3.54725E-15	0	2.17914E-15	0
591	570430.6	4178679	0.55, 41786	0.15074	0.13191	105.99103	39.73692	13.24888	5.6767	1.57866E-11	8.68E-14	1.59E-11	1.11E-08	2.62E-11	1.11E-08	1.39E-09	8.72E-12	1.4E-09	4.9E-15	1.48E-14	8.56E-15	0	0	0	0	5.291E-10	1.8544E-08	2.33E-08	4.07055E-15	0	2.5006E-15	0
592	570470.6	4178679	0.55, 41786	0.17494	0.15487	121.69462	47.75873	15.21183	5.96984	1.8321E-11	1.02E-13	1.84E-11	1.27E-08	3.14E-11	1.28E-08	1.59E-09	1.00E-11	1.6E-09	5.68E-15	1.72E-14	9.94E-15	0	0	0	0	6.141E-10	2.1294E-08	2.67E-08	4.72434E-15	0	2.90224E-15	0
593	570510.6	4178679	0.55, 41786	0.2057	0.18414	135.37794	56.46386	16.92224	7.12807	2.15424E-11	1.21E-13	2.17E-11	1.42E-08	3.72E-11	1.42E-08	1.77E-09	1.11E-11	1.78E-09	6.68E-15	2.02E-14	1.17E-14	0	0	0	0	7.221E-10	2.3692E-08	2.97E-08	5.55537E-15	0	3.41275E-15	0
594	570550.6	4178679	0.55, 41786	0.2434	0.22078	142.10791	62.60325	17.76349	9.55219	2.54906E-11	1.45E-13	2.56E-11	1.49E-08	4.12E-11	1.49E-08	1.86E-09	1.17E-11	1.87E-09	7.91E-15	2.39E-14	1.38E-14	0	0	0	0	8.545E-10	2.4873E-08	3.12E-08	6.57403E-15	0	4.03853E-15	0
595	570590.6	4178679	0.55, 41786	0.29132	0.2684	157.44437	70.02377	21.20731	12.01595	3.05091E-11	1.77E-13	3.07E-11	1.65E-08	4.61E-11	1.65E-08	2.22E-09	1.40E-11	2.23E-09	9.47E-15	2.86E-14	1.66E-14	0	0	0	0	1.023E-09	2.7558E-08	3.72E-08	7.86901E-15	0	4.83406E-15	0
596	570630.6	4178679	0.55, 41786	0.34871	0.32823	170.78411	74.6949	24.39773	14.09383	3.65194E-11	2.16E-13	3.67E-11	1.79E-08	4.92E-11	1.79E-08	2.56E-09	1.61E-11	2.57E-09	1.13E-14	3.42E-14	1.98E-14	0	0	0	0	1.225E-09	2.9891E-08	4.29E-08	9.42037E-15	0	5.78709E-15	0
597	570670.6	4178679	0.55, 41786	0.41782	0.40379	181.29369	80.27499	25.8991	15.99045	4.37571E-11	2.66E-13	4.4E-11	1.9E-08	5.28E-11	1.9E-08	2.71E-09	1.70E-11	2.73E-09	1.36E-14	4.1E-14	2.37E-14	0	0	0	0	1.467E-09	3.1732E-08	4.55E-08	1.12891E-14	0	6.93511E-15	0
598	570710.6	4178679	0.55, 41786	0.49876	0.49687	185.88712	90.92914	26.5553	19.21501	5.22337E-11	3.27E-13	5.26E-11	1.95E-08	5.98E-11	1.95E-08	2.78E-09	1.75E-11	2.8E-09	1.62E-14	4.9E-14	2.83E-14	0	0	0	0	1.752E-09	3.2545E-08	4.66E-08	1.34786E-14	0	8.28011E-15	0
599	570750.6	4178679	0.55, 41786	0.59336	0.60818	195.07014	97.11431	27.40212	20.89244	6.21409E-11	4.00E-13	6.25E-11	2.04E-08	6.39E-11	2.05E-08	2.87E-09	1.80E-11	2.89E-09	1.93E-14	5.83E-14	3.37E-14	0	0	0	0	2.085E-09	3.4155E-08	4.81E-08	1.6038E-14	0	9.85238E-15	0
600	570790.6	4178679	0.55, 41786	0.71288	0.74367	232.56486	100.08812	29.70634	25.09865	7.46579E-11	4.89E-13	7.51E-11	2.44E-08	6.59E-11	2.44E-08	3.11E-09	1.95E-11	3.13E-09	2.32E-14	7E-14	4.05E-14	0	0	0	0	2.505E-09	4.0703E-08	5.22E-08	1.92707E-14	0	1.18383E-14	0
601	570830.6	4178679	0.55, 41786	0.82835	0.8948	250.25968	113.32691	36.36599	33.16876	8.67508E-11	5.89E-13	8.73E-11	2.62E-08	7.46E-11	2.63E-08	3.81E-09	2.39E-11	3.83E-09	2.7E-14	8.14E-14	4.71E-14	0	0	0	0	2.911E-09	4.3806E-08	6.39E-08	2.23972E-14	0	1.3759E-14	0
602	570870.6	4178679	0.55, 41786	0.92801	1.04065	269.45277	158.88347	39.41339	35.15016	9.71879E-11	6.85E-13	9.79E-11	2.82E-08	1.05E-10	2.83E-08	4.13E-09	2.59E-11	4.15E-09	3.02E-14	9.12E-14	5.28E-14	0	0	0	0	3.262E-09	4.7206E-08	6.92E-08	2.50983E-14	0	1.54183E-14	0
603	570910.6	4178679	0.55, 41786	1.03394	1.13081	259.70616	144.94226	42.20689	35.5523	1.08282E-10	7.44E-13	1.09E-10	2.72E-08	9.54E-11	2.73E-08	4.42E-09	2.78E-11	4.45E-09	3.36E-14	1.02E-13	5.88E-14	0	0	0	0	3.634E-09	4.5489E-08	7.41E-08	2.79584E-14	0	1.71753E-14	0
604	570950.6	4178679	0.55, 41786	1.05684	1.13643	242.80014	123.49716	39.92153	30.15323	1.1068E-10	7.48E-13	1.11E-10	2.54E-08	8.13E-11	2.55E-08	4.18E-09	2.63E-11	4.21E-09	3.44E-14	1.04E-13	6.01E-14	0	0	0	0	3.714E-09	4.2515E-08	7.01E-08	2.85744E-14	0	1.75537E-14	0
605	570990.6	4178679	0.55, 41786	1.01802	1.09421	255.86386	105.93706	37.15781	26.85338	1.06614E-10	7.20E-13	1.07E-10	2.68E-08	6.97E-11	2.69E-08	3.89E-09	2.45E-11	3.92E-09	3.31E-14	1E-13	5.79E-14	0	0	0	0	3.578E-09	4.4776E-08	6.53E-08	2.75247E-14	0	1.69089E-14	0
606	571030.6	4178679	0.55, 41786	0.98373	1.03259	224.24787	96.85684	32.03518	21.71644	1.03023E-10	6.80E-13	1.04E-10	2.35E-08	6.37E-11	2.35E-08	3.35E-09	2.11E-11	3.38E-09	3.2E-14	9.66E-14	5.59E-14	0	0	0	0	3.457E-09	3.9248E-08	5.63E-08	2.65934E-14	0	1.63367E-14	0
607	571070.6	4178679	0.55, 41786	0.92088	0.95493	234.21131	81.25508	29.84103	18.74017	9.64412E-11	6.28E-13	9.71E-11	2.45E-08	5.35E-11	2.46E-08	3.13E-09	1.96E-11	3.14E-09	3E-14	9.04E-14	5.24E-14	0	0	0	0	3.236E-09	4.097E-08	5.24E-08	2.48924E-14	0	1.52918E-14	0
608	571110.6	4178679	0.55, 41786	0.85296	0.87816	249.82687	76.90023	32.83771	18.41049	8.93281E-11	5.78E-13	8.99E-11	2.62E-08	5.06E-11	2.62E-08	3.44E-09	2.16E-11	3.46E-09	2.77E-14	8.38E-14	4.85E-14	0	0	0	0	2.997E-09	4.369E-08	5.77E-08	2.30554E-14	0	1.41633E-14	0
609	571150.6	4178679	0.55, 41786	0.78449	0.80428	184.12399	71.8753	26.94504	17.68151	8.21574E-11	5.29E-13	8.27E-11	1.93E-08	4.73E-11	1.93E-08	2.82E-09	1.77E-11	2.84E-09	2.55E-14	7.7E-14	4.46E-14	0	0	0	0	2.756E-09	3.2217E-08	4.73E-08	2.1204E-14	0	1.3026E-14	0
610	571190.6	4178679	0.55, 41786	0.70872	0.73542	192.12547	69.23049	27.25383	16.04767	7.42223E-11	4.84E-13	7.47E-11	2.01E-08	4.56E-11	2.02E-08	2.85E-09	1.79E-11	2.87E-09	2.31E-14	6.96E-14	4.03E-14	0	0	0	0	2.49E-09	3.3611E-08	4.79E-08	1.91575E-14	0	1.17688E-14	0
611	571230.6	4178679	0.55, 41786	0.64141	0.6715	152.95792	62.82263	21.78847	14.44714	6.71731E-11	4.42E-13	6.76E-11	1.6E-08	4.13E-11	1.61E-08	2.28E-09	1.43E-11	2.3E-09	2.09E-14	6.3E-14	3.65E-14	0	0	0	0	2.254E-09	2.6767E-08	3.83E-08	1.73391E-14	0	1.06517E-14	0
612	571270.6	4178679	0.55, 41786	0.5854	0.61191	124.65244	57.66905	20.54509	12.75642	6.13073E-11	4.03E-13	6.17E-11	1.31E-08	3.80E-11	1.31E-08	2.15E-09	1.35E-11	2.17E-09	1.9E-14	5.75E-14	3.33E-14	0	0	0	0	2.057E-09	2.1821E-08	3.61E-08	1.58248E-14	0	9.72144E-15	0
613	571310.6	4178679	0.55, 41786	0.53447	0.5582	125.80787	55.1913	17.97255	11.70277	5.59735E-11	3.67E-13	5.63E-11	1.32E-08	3.63E-11	1.32E-08	1.88E-09	1.18E-11	1.89E-09	1.74E-14	5.25E-14	3.04E-14	0	0	0	0	1.878E-09	2.202E-08	3.16E-08	1.4448E-14	0	8.87562E-15	0
614	571350.6	4178679	0.55, 41786	0.48504	0.50906	111.39997	53.56601	13.925	11.19981	5.07969E-11	3.35E-13	5.11E-11	1.17E-08	3.53E-11	1.17E-08	1.46E-09	9.16E-12	1.47E-09	1.58E-14	4.76E-14	2.76E-14	0	0	0	0	1.704E-09	1.9503E-08	2.45E-08	1.31122E-14	0	8.05502E-15	0
615	571390.6	4178679	0.55, 41786	0.44312	0.4655	107.51836	51.27371	13.43979	10.40254	4.64067E-11	3.06E-13	4.67E-11	1.13E-08	3.37E-11	1.13E-08	1.41E-09	8.84E-12	1.42E-09	1.44E-14	4.35E-14	2.52E-14	0	0	0	0	1.557E-09	1.8823E-08	2.36E-08	1.1979E-14	0	7.35891E-15	0
616	571430.6	4178679	0.55, 41786	0.41031	0.42684	122.12368	48.88835	17.23844	9.36082	4.29706E-11	2.81E-13	4.33E-11	1.28E-08	3.22E-11	1.28E-08	1.81E-09	1.13E-11	1.82E-09	1.33E-14	4.03E-14	2.33E-14	0	0	0	0	1.442E-09	2.137E-08	3.03E-08	1.10913E-14	0	6.8136E-15	0
617	571470.6	4178679	0.55, 41786	0.38401	0.39267	130.83453	46.56818	18.03085	8.50414	4.02163E-11	2.58E-13	4.05E-11	1.37E-08	3.06E-11	1.37E-08	1.89E-09	1.19E-11	1.9E-09	1.25E-14	3.77E-14	2.18E-14	0	0	0	0	1.349E-09	2.2888E-08	3.17E-08	1.03793E-14	0	6.37615E-15	0
618	571510.6	4178679	0.55, 41786	0.35733	0.36026	104.69184	43.30646	14.57371	7.68103	3.74222E-11	2.37E-13	3.77E-11	1.1E-08	2.85E-11	1.1E-08	1.53E-09	9.59E-12	1.54E-09	1.16E-14	3.51E-14	2.03E-14	0	0	0	0	1.255E-09	1.8321E-08	2.56E-08	9.65728E-15	0	5.93262E-15	0
619	571550.6	4178679	0.55, 41786	0.32923	0.33046	93.91251	40.06683	13.41607	6.60436	3.44793E-11	2.17E-13	3.47E-11	9.84E-09	2.64E-11	9.86E-09	1.41E-09	8.83E-12	1.41E-09	1.07E-14	3.23E-14	1.87E-14	0	0	0	0	1.157E-09	1.6436E-08	2.36E-08	8.89759E-15	0	5.46594E-15	0
620	571590.6	4178679	0.55, 41786	0.30119	0.30402	90.51235	37.8645	11.49242	5.95997	3.15428E-11	2.00E-13	3.17E-11	9.48E-09	2.49E-11	9.5E-09	1.2E-09	7.56E-12	1.21E-09	9.8E-15	2.96E-14	1.71E-14	0	0	0	0	1.058E-09	1.584E-08	2.02E-08	8.14009E-15	0	5.00059E-15	0
621	570310.6	4178719	0.55, 41787	0.10285	0.08839	86.08959	31.99227	10.7612	4.57032	1.07712E-11	5.82E-14	1.08E-11	9.02E-09	2.11E-11	9.04E-09	1.13E-09	7.08E-12	1.13E-09	3.34E-15	1.01E-14	5.84E-15	0	0	0	0	3.61E-10	1.5062E-08	1.89E-08	2.77706E-15	0	1.706E-15	0
622	570350.6	4178719	0.55, 41787	0.11563	0.10049	90.6137	34.18211	11.32671	4.88316	1.21096E-11	6.61E-14	1.22E-11	9.49E-09	2.25E-11	9.51E-09	1.19E-09	7.45E-12	1.19E-09	3.76E-15	1.13E-14	6.57E-15	0	0	0	0	4.059E-10	1.5854E-08	1.99E-08	3.12233E-15	0	1.9181E-15	0
623	570390.6	4178719	0.55, 41787	0.13114	0.11521	102.01088	38.97546	12.75136	5.08393	1.37339E-11	7.58E-14	1.38E-11	1.07E-08	2.56E-11	1.07E-08	1.34E-09	8.39E-12	1.34E-09	4.26E-15	1.29E-14	7.45E-15	0	0	0	0	4.603E-10	1.7848E-08	2.24E-08	3.54135E-15	0	2.17551E-15	0
624	570430.6	4178719	0.55, 41787	0.15	0.13322	114.28488	46.41789	14.28561	5.80224	1.57091E-11	8.77E-14	1.58E-11	1.2E-08	3.05E-11	1.2E-08	1.5E-09	9.40E-12	1.51E-09	4.87E-15	1.47E-14	8.52E-15	0	0	0	0	5.266E-10	1.9999E-08	2.51E-08	4.05089E-15	0	2.48853E-15	0
625	570470.6	4178719	0.55, 41787	0.17288	0.1553	122.16306	52.59309	15.27038	6.67803	1.81052E-11	1.02E-13	1.82E-11	1.28E-08	3.46E-11	1.28E-08	1.6E-09	1.00E-11	1.61E-09	5.62E-15	1.7E-14	9.82E-15	0	0	0	0	6.069E-10	2.1381E-08	2.68E-08	4.66909E-15	0	2.8683E-15	0
626	570510.6	4178719	0.55, 41787	0.1999	0.18201	126.87173	56.8638	15.85897	8.56143	2.0935E-11	1.20E-13	2.11E-11	1.33E-08	3.74E-11	1.33E-08	1.66E-09	1.04E-11	1.67E-09	6.5E-15	1.96E-14	1.14E-14	0	0	0	0	7.018E-10	2.2207E-08	2.79E-08	5.39924E-15	0	3.31684E-15	0
627	570550.6	4178719	0.55, 41787	0.2328	0.21534	141.7684	62.68438	19.27806	10.36338	2.43805E-11	1.42E-13	2.45E-11	1.48E-08	4.13E-11	1.49E-08	2.02E-09	1.27E-11	2.03E-09	7.57E-15	2.28E-14	1.32E-14	0	0	0	0	8.174E-10	2.4814E-08	3.39E-08	6.28843E-15	0	3.86309E-15	0
628	570590.6	4178719	0.55, 41787	0.2704	0.25529	152.6333	65.86327	21.80476	11.76563	2.83182E-11	1.68E-13	2.85E-11	1.6E-08	4.33E-11	1.6E-08	2.28E-09	1.43E-11	2.3E-09	8.79E-15	2.65E-14	1.54E-14	0	0	0	0	9.495E-10	2.6714E-08	3.83E-08	7.30496E-15	0	4.48756E-15	0
629	570630.6	4178719	0.55, 41787	0.31352	0.30328	160.25221	70.5161	22.89317	12.52474	3.28341E-11	2.00E-13	3.3E-11	1.68E-08	4.64E-11	1.68E-08	2.4E-09	1.51E-11	2.41E-09	1.02E-14	3.08E-14	1.78E-14	0	0	0	0	1.101E-09	2.8049E-08	4.02E-08	8.4711E-15	0	5.20393E-15	0
630	570670.6	4178719	0.55, 41787	0.36149	0.3594	159.13882	79.23774	22.73412	14.05012	3.78578E-11	2.37E-13	3.81E-11	1.67E-08	5.21E-11	1.67E-08	2.38E-09	1.50E-11	2.4E-09	1.18E-14	3.55E-14	2.05E-14	0	0	0	0	1.27E-09	2.7864E-08	3.99E-08	9.76885E-15	0	6.00117E-15	0
631	570710.6	4178719	0.55, 41787	0.41184	0.42167	168.39934	82.78202	23.84947	15.22445	4.31308E-11	2.78E-13	4.34E-11	1.76E-08	5.45E-11	1.77E-08	2.5E-09	1.57E-11	2.51E-09	1.34E-14	4.04E-14	2.34E-14	0	0	0	0	1.447E-09	2.9484E-08	4.19E-08	1.11316E-14	0	6.8383E-15	0
632	570750.6	4178719	0.55, 41787	0.46631	0.48852	193.26616	81.97611	24.83922	16.78199	4.88353E-11	3.21E-13	4.92E-11	2.02E-08	5.39E-11	2.03E-08	2.6E-09	1.63E-11	2.62E-09	1.52E-14	4.58E-14	2.65E-14	0	0	0	0	1.639E-09	3.3824E-08	4.36E-08	1.26057E-14	0	7.74388E-15	0
633	570790.6	4178719	0.55, 41787	0.5297	0.5627	208.56721	92.88706	26.09236	23.00092	5.5474E-11	3.70E-13	5.58E-11	2.18E-08	6.11E-11	2.19E-08	2.73E-09	1.72E-11	2.75E-09	1.72E-14	5.2E-14	3.01E-14	0	0	0	0	1.861E-09	3.6506E-08	4.58E-08	1.43206E-14	0	8.79739E-15	0
634	570830.6	4178719	0.55, 41787	0.58417	0.63922	206.25232	102.59816	28.9378	25.69667	6.11785E-11	4.21E-13	6.16E-11	2.16E-08	6.75E-11	2.17E-08	3.03E-09	1.90E-11	3.05E-09	1.9E-14	5.74E-14	3.32E-14	0	0	0	0	2.053E-09	3.6113E-08	5.08E-08	1.57964E-14	0	9.70398E-15	0
635	570870.6	4178719	0.55, 41787	0.63384	0.71183	208.40577	136.85909	28.70976	24.7437	6.63803E-11	4.68E-13	6.68E-11	2.18E-08	9.01E-11	2.19E-08	3.01E-09	1.89E-11	3.03E-09	2.06E-14	6.23E-14	3.61E-14	0	0	0	0	2.228E-09	3.6526E-08	5.04E-08	1.71426E-14	0	1.0531E-14	0
636	570910.6	4178719	0.55, 41787	0.68401	0.75343	211.07044	124.31957	30.70854	25.49482	7.16344E-11	4.96E-13	7.21E-11	2.21E-08	8.18E-11	2.22E-08	3.22E-09	2.02E-11	3.24E-09	2.23E-14	6.72E-14	3.89E-14	0	0	0	0	2.404E-09	3.6978E-08	5.39E-08	1.8497E-14	0	1.1363E-14	0
637	570950.6	4178719	0.55, 41787	0.69007	0.76497	207.10313	108.18225	30.79195	24.65468	7.22691E-11	5.03E-13	7.28E-11	2.17E-08	7.12E-11	2.18E-08	3.22E-09	2.03E-11	3.25E-09	2.25E-14	6.78E-14	3.93E-14	0	0	0	0	2.426E-09	3.6268E-08	5.41E-08	1.86617E-14	0	1.14642E-14	0
638	570990.6	4178719	0.55, 41787	0.68048	0.74999	206.58356	95.47159	32.17827	21.60129	7.12648E-11	4.94E-13	7.18E-11	2.16E-08	6.28E-11	2.17E-08	3.37E-09	2.12E-11	3.39E-09	2.21E-14	6.69E-14	3.87E-14	0	0	0	0	2.392E-09	3.6163E-08	5.65E-08	1.84016E-14	0	1.13044E-14	0
639	571030.6	4178719	0.55, 41787	0.66194	0.72353	210.3532	86.11281	30.372	18.42489	6.93231E-11	4.76E-13	6.98E-11	2.2E-08	5.67E-11	2.21E-08	3.18E-09	2.00E-11	3.2E-09	2.15E-14	6.5E-14	3.76E-14	0	0	0	0	2.327E-09	3.6811E-08	5.33E-08	1.78992E-14	0	1.09958E-14	0
640	571070.6	4178719	0.55, 41787	0.64029	0.68839	181.70859	76.31707	22.73215	15.52213	6.70558E-11	4.53E-13	6.75E-11	1.9E-08	5.02E-11	1.91E-08	2.38E-09	1.50E-11	2.4E-09	2.08E-14	6.29E-14	3.64E-14	0	0	0	0	2.25E-09	3.18E-08	3.99E-08	1.73118E-14	0	1.06349E-14	0
641	571110.6	4178719	0.55, 41787	0.60626	0.64543	207.95149	70.27092	26.16426	14.32632	6.34919E-11	4.25E-13	6.39E-11	2.18E-08	4.62E-11	2.18E-08	2.74E-09	1.72E-11	2.76E-09	1.97E-14	5.96E-14	3.45E-14	0	0	0	0	2.131E-09	3.6374E-08	4.6E-08	1.63907E-14	0	1.00691E-14	0
642	571150.6	4178719	0.55, 41787	0.57256	0.60327	200.64391	66.12781	25.68735	14.52342	5.99626E-11	3.97E-13	6.04E-11	2.1E-08	4.35E-11	2.11E-08	2.69E-09	1.69E-11	2.71E-09	1.86E-14	5.62E-14	3.26E-14	0	0	0	0	2.012E-09	3.5094E-08	4.51E-08	1.54785E-14	0	9.50871E-15	0
643	571190.6	4178719	0.55, 41787	0.53842	0.56251	154.3512	63.9477	22.19645	14.00077	5.63872E-11	3.70E-13	5.68E-11	1.62E-08	4.21E-11	1.62E-08	2.32E-09	1.46E-11	2.34E-09	1.75E-14	5.29E-14	3.06E-14	0	0	0	0	1.892E-09	2.7011E-08	3.9E-08	1.45548E-14	0	8.94123E-15	0
644	571230.6	4178719	0.55, 41787	0.49735	0.52247	159.72675	60.41971	22.34048	12.75874	5.20861E-11	3.44E-13	5.24E-11	1.67E-08	3.98E-11	1.68E-08	2.34E-09	1.47E-11	2.35E-09	1.62E-14	4.89E-14	2.83E-14	0	0	0	0	1.748E-09	2.7946E-08	3.92E-08	1.3445E-14	0	8.25951E-15	0
645	571270.6	4178719	0.55, 41787	0.45612	0.4836	144.14128	55.22387	20.17616	11.51496	4.77682E-11	3.18E-13	4.81E-11	1.51E-08	3.63E-11	1.51E-08	2.11E-09	1.33E-11	2.13E-09	1.48E-14	4.48E-14	2.59E-14	0	0	0	0	1.603E-09	2.522E-08	3.54E-08	1.23312E-14	0	7.57526E-15	0
646	571310.6	4178719	0.55, 41787	0.42006	0.44717	118.44349	52.26024	17.97136	10.56882	4.39917E-11	2.94E-13	4.43E-11	1.24E-08	3.44E-11	1.24E-08	1.88E-09	1.18E-11	1.89E-09	1.37E-14	4.13E-14	2.39E-14	0	0	0	0	1.476E-09	2.0731E-08	3.16E-08	1.13566E-14	0	6.97656E-15	0
647	571350.6	4178719	0.55, 41787	0.38785	0.41385	109.17018	50.24459	14.07795	10.0186	4.06184E-11	2.72E-13	4.09E-11	1.14E-08	3.31E-11	1.15E-08	1.47E-09	9.26E-12	1.48E-09	1.26E-14	3.81E-14	2.21E-14	0	0	0	0	1.363E-09	1.911E-08	2.47E-08	1.0486E-14	0	6.4417E-15	0
648	571390.6	4178719	0.55, 41787	0.35875	0.38356	87.70597	48.80309	10.96325	9.64341	3.75709E-11	2.52E-13	3.78E-11	9.19E-09	3.21E-11	9.22E-09	1.15E-09	7.21E-12	1.16E-09	1.17E-14	3.52E-14	2.04E-14	0	0	0	0	1.261E-09	1.5362E-08	1.93E-08	9.69935E-15	0	5.95847E-15	0
649	571430.6	4178719	0.55, 41787	0.33385	0.35563	80.9107	47.09106	11.59229	8.99084	3.49632E-11	2.34E-13	3.52E-11	8.47E-09	3.10E-11	8.5E-09	1.21E-09	7.63E-12	1.22E-09	1.09E-14	3.28E-14	1.9E-14	0	0	0	0	1.173E-09	1.4174E-08	2.04E-08	9.02592E-15	0	5.54477E-15	0
650	571470.6	4178719	0.55, 41787	0.31507	0.33052	111.40642	45.19171	15.57659	8.16367	3.29964E-11	2.18E-13	3.32E-11	1.17E-08	2.97E-11	1.17E-08	1.63E-09	1.03E-11	1.64E-09	1.02E-14	3.09E-14	1.79E-14	0	0	0	0	1.107E-09	1.9495E-08	2.74E-08	8.51732E-15	0	5.23233E-15	0
651	571510.6	4178719	0.55, 41787	0.29891	0.30701	116.70467	43.07153	15.95519	7.46065	3.1304E-11	2.02E-13	3.15E-11	1.22E-08	2.83E-11	1.23E-08	1.67E-09	1.05E-11	1.68E-09	9.72E-15	2.94E-14	1.7E-14	0	0	0	0	1.05E-09	2.0417E-08	2.8E-08	8.07936E-15	0	4.96328E-15	0
652	571550.6	4178719	0.55, 41787	0.28299	0.28542	93.20798	40.2806	12.81909	6.80365	2.96367E-11	1.88E-13	2.98E-11	9.76E-09	2.65E-11	9.79E-09	1.34E-09	8.44E-12	1.35E-09	9.2E-15	2.78E-14	1.61E-14	0	0	0	0	9.942E-10	1.6313E-08	2.25E-08	7.64817E-15	0	4.69839E-15	0
653	571590.6	4178719	0.55, 41787	0.2649	0.26495	84.18961	37.57199	12.02709	5.93847	2.77422E-11	1.74E-13	2.79E-11	8.82E-09	2.47E-11	8.84E-09	1.26E-09	7.92E-12	1.27E-09	8.61E-15	2.6E-14	1.51E-14	0	0	0	0	9.306E-10	1.4736E-08	2.11E-08	7.15889E-15	0	4.39782E-15	0
654	570310.6	4178759	0.55, 41787	0.10291	0.08971	86.89901	32.22927	10.86238	4.40505	1.07775E-11	5.90E-14	1.08E-11	9.1E-09	2.12E-11	9.12E-09	1.14E-09	7.15E-12	1.14E-09	3.34E-15	1.01E-14	5.84E-15	0	0	0	0	3.612E-10	1.5203E-08	1.91E-08	2.7789E-15	0	1.70712E-15	0
655	570350.6	4178759	0.55, 41787	0.11544	0.10167	97.89636	38.6449	12.23704	4.83061	1.20897E-11	6.69E-14	1.22E-11	1.03E-08	2.54E-11	1.03E-08	1.28E-09	8.05E-12	1.29E-09	3.75E-15	1.13E-14	6.56E-15	0	0	0	0	4.052E-10	1.713E-08	2.15E-08	3.11742E-15	0	1.91508E-15	0
656	570390.6	4178759	0.55, 41787	0.13027	0.11595	105.67733	44.34348	13.20967	5.54293	1.36428E-11	7.63E-14	1.37E-11	1.11E-08	2.92E-11	1.11E-08	1.38E-09	8.69E-12	1.39E-09	4.23E-15	1.28E-14	7.4E-15	0	0	0	0	4.573E-10	1.8494E-08	2.32E-08	3.51811E-15	0	2.16123E-15	0
657	570430.6	4178759	0.55, 41787	0.14773	0.133	109.21499	48.49986	13.65187	6.24447	1.54713E-11	8.75E-14	1.56E-11	1.14E-08	3.19E-11	1.15E-08	1.43E-09	8.98E-12	1.44E-09	4.8E-15	1.45E-14	8.39E-15	0	0	0	0	5.186E-10	1.9116E-08	2.4E-08	3.98989E-15	0	2.45106E-15	0
658	570470.6	4178759	0.55, 41787	0.16767	0.15301	117.79795	52.53636	14.72474	7.71399	1.75596E-11	1.01E-13	1.77E-11	1.23E-08	3.46E-11	1.24E-08	1.54E-09	9.69E-12	1.55E-09	5.45E-15	1.65E-14	9.53E-15	0	0	0	0	5.887E-10	2.0619E-08	2.59E-08	4.52878E-15	0	2.7821E-15	0
659	570510.6	4178759	0.55, 41787	0.191	0.17712	128.29828	56.17436	17.6792	9.03197	2.00029E-11	1.17E-13	2.01E-11	1.34E-08	3.70E-11	1.35E-08	1.85E-09	1.16E-11	1.86E-09	6.21E-15	1.87E-14	1.09E-14	0	0	0	0	6.706E-10	2.2455E-08	3.11E-08	5.1594E-15	0	3.1695E-15	0
660	570550.6	4178759	0.55, 41787	0.21672	0.20498	137.63049	58.52483	19.6615	9.95092	2.26965E-11	1.35E-13	2.28E-11	1.44E-08	3.85E-11	1.45E-08	2.06E-09	1.29E-11	2.07E-09	7.05E-15	2.13E-14	1.23E-14	0	0	0	0	7.61E-10	2.4087E-08	3.45E-08	5.85484E-15	0	3.59672E-15	0
661	570590.6	4178759	0.55, 41787	0.24504	0.23724	142.23889	62.68425	20.31984	10.25836	2.56624E-11	1.56E-13	2.58E-11	1.49E-08	4.13E-11	1.49E-08	2.13E-09	1.34E-11	2.14E-09	7.97E-15	2.41E-14	1.39E-14	0	0	0	0	8.606E-10	2.4896E-08	3.57E-08	6.62085E-15	0	4.06729E-15	0
662	570630.6	4178759	0.55, 41787	0.27554	0.27375	139.19636	70.02218	19.61007	11.07526	2.88565E-11	1.80E-13	2.9E-11	1.46E-08	4.61E-11	1.46E-08	2.05E-09	1.29E-11	2.07E-09	8.96E-15	2.71E-14	1.57E-14	0	0	0	0	9.679E-10	2.4373E-08	3.44E-08	7.44612E-15	0	4.57427E-15	0
663	570670.6	4178759	0.55, 41787	0.30614	0.31293	149.31547	72.47289	21.10931	12.07881	3.20612E-11	2.06E-13	3.23E-11	1.56E-08	4.77E-11	1.57E-08	2.21E-09	1.39E-11	2.22E-09	9.96E-15	3.01E-14	1.74E-14	0	0	0	0	1.076E-09	2.6142E-08	3.71E-08	8.27453E-15	0	5.08318E-15	0
664	570710.6	4178759	0.55, 41787	0.33494	0.35231	164.794	71.08708	21.55176	13.08376	3.50773E-11	2.32E-13	3.53E-11	1.73E-08	4.68E-11	1.73E-08	2.26E-09	1.42E-11	2.27E-09	1.09E-14	3.29E-14	1.9E-14	0	0	0	0	1.177E-09	2.8842E-08	3.79E-08	9.05463E-15	0	5.56241E-15	0
665	570750.6	4178759	0.55, 41787	0.36674	0.3924	179.38877	78.60477	22.4236	16.36841	3.84077E-11	2.58E-13	3.87E-11	1.88E-08	5.17E-11	1.88E-08	2.35E-09	1.48E-11	2.36E-09	1.19E-14	3.6E-14	2.09E-14	0	0	0	0	1.289E-09	3.1398E-08	3.94E-08	9.91542E-15	0	6.0912E-15	0
666	570790.6	4178759	0.55, 41787	0.40357	0.43625	166.36606	82.34558	21.7564	19.87746	4.22648E-11	2.87E-13	4.26E-11	1.74E-08	5.42E-11	1.75E-08	2.28E-09	1.43E-11	2.29E-09	1.31E-14	3.96E-14	2.3E-14	0	0	0	0	1.418E-09	2.9129E-08	3.82E-08	1.09119E-14	0	6.70337E-15	0
667	570830.6	4178759	0.55, 41787	0.43354	0.48203	188.6599	98.62945	24.95504	19.43466	4.54034E-11	3.17E-13	4.57E-11	1.98E-08	6.49E-11	1.98E-08	2.61E-09	1.64E-11	2.63E-09	1.41E-14	4.26E-14	2.47E-14	0	0	0	0	1.524E-09	3.3038E-08	4.38E-08	1.17245E-14	0	7.20257E-15	0
668	570870.6	4178759	0.55, 41787	0.46387	0.52331	172.12292	120.25167	21.51536	18.67269	4.85798E-11	3.44E-13	4.89E-11	1.8E-08	7.91E-11	1.81E-08	2.25E-09	1.42E-11	2.27E-09	1.51E-14	4.56E-14	2.64E-14	0	0	0	0	1.631E-09	3.0175E-08	3.78E-08	1.2546E-14	0	7.70724E-15	0
669	570910.6	4178759	0.55, 41787	0.49085	0.54778	176.15826	108.72169	23.43896	19.655	5.14053E-11	3.60E-13	5.18E-11	1.84E-08	7.15E-11	1.85E-08	2.45E-09	1.54E-11	2.47E-09	1.6E-14	4.82E-14	2.79E-14	0	0	0	0	1.726E-09	3.0867E-08	4.12E-08	1.32747E-14	0	8.15489E-15	0
670	570950.6	4178759	0.55, 41787	0.48762	0.55475	180.46301	97.04885	24.36206	20.46933	5.10671E-11	3.65E-13	5.14E-11	1.89E-08	6.39E-11	1.9E-08	2.55E-09	1.60E-11	2.57E-09	1.59E-14	4.79E-14	2.77E-14	0	0	0	0	1.714E-09	3.1605E-08	4.28E-08	1.31892E-14	0	8.10233E-15	0
671	570990.6	4178759	0.55, 41787	0.49051	0.55159	151.23194	87.28492	25.20532	17.38113	5.13697E-11	3.63E-13	5.17E-11	1.58E-08	5.74E-11	1.59E-08	2.64E-09	1.66E-11	2.66E-09	1.6E-14	4.82E-14	2.79E-14	0	0	0	0	1.724E-09	2.6493E-08	4.43E-08	1.32663E-14	0	8.14968E-15	0
672	571030.6	4178759	0.55, 41787	0.48428	0.53663	187.58168	78.86438	28.06386	15.68835	5.07173E-11	3.53E-13	5.11E-11	1.96E-08	5.19E-11	1.97E-08	2.94E-09	1.85E-11	2.96E-09	1.58E-14	4.76E-14	2.75E-14	0	0	0	0	1.702E-09	3.2828E-08	4.93E-08	1.30964E-14	0	8.04534E-15	0
673	571070.6	4178759	0.55, 41787	0.467	0.51625	163.79974	72.83551	22.54296	13.46245	4.89076E-11	3.40E-13	4.92E-11	1.72E-08	4.79E-11	1.72E-08	2.36E-09	1.48E-11	2.38E-09	1.52E-14	4.59E-14	2.66E-14	0	0	0	0	1.642E-09	2.867E-08	3.96E-08	1.26289E-14	0	7.75814E-15	0
674	571110.6	4178759	0.55, 41787	0.44755	0.4933	157.0432	65.36033	19.63651	11.35189	4.68707E-11	3.25E-13	4.72E-11	1.64E-08	4.30E-11	1.65E-08	2.06E-09	1.29E-11	2.07E-09	1.46E-14	4.4E-14	2.55E-14	0	0	0	0	1.573E-09	2.7483E-08	3.45E-08	1.21027E-14	0	7.43488E-15	0
675	571150.6	4178759	0.55, 41787	0.4302	0.46818	183.98767	62.14189	23.05685	11.54043	4.50536E-11	3.08E-13	4.54E-11	1.93E-08	4.09E-11	1.93E-08	2.41E-09	1.52E-11	2.43E-09	1.4E-14	4.23E-14	2.45E-14	0	0	0	0	1.512E-09	3.2182E-08	4.05E-08	1.16325E-14	0	7.14603E-15	0
676	571190.6	4178759	0.55, 41787	0.41561	0.44245	166.33485	59.4631	21.02615	11.70076	4.35257E-11	2.91E-13	4.38E-11	1.74E-08	3.91E-11	1.75E-08	2.2E-09	1.38E-11	2.22E-09	1.35E-14	4.08E-14	2.36E-14	0	0	0	0	1.461E-09	2.9098E-08	3.69E-08	1.12363E-14	0	6.90265E-15	0
677	571230.6	4178759	0.55, 41787	0.39577	0.41616	133.04594	57.55284	19.00656	11.25795	4.14479E-11	2.74E-13	4.17E-11	1.39E-08	3.79E-11	1.4E-08	1.99E-09	1.25E-11	2E-09	1.29E-14	3.89E-14	2.25E-14	0	0	0	0	1.391E-09	2.3286E-08	3.34E-08	1.06991E-14	0	6.57261E-15	0
678	571270.6	4178759	0.55, 41787	0.36933	0.38979	133.93343	52.76944	18.49966	10.32502	3.86789E-11	2.57E-13	3.89E-11	1.4E-08	3.47E-11	1.41E-08	1.94E-09	1.22E-11	1.95E-09	1.2E-14	3.63E-14	2.1E-14	0	0	0	0	1.298E-09	2.3435E-08	3.25E-08	9.98453E-15	0	6.13366E-15	0
679	571310.6	4178759	0.55, 41787	0.3411	0.36413	131.1619	50.25063	18.11843	9.56125	3.57224E-11	2.40E-13	3.6E-11	1.37E-08	3.31E-11	1.38E-08	1.9E-09	1.19E-11	1.91E-09	1.11E-14	3.35E-14	1.94E-14	0	0	0	0	1.199E-09	2.2949E-08	3.18E-08	9.22206E-15	0	5.66526E-15	0
680	571350.6	4178759	0.55, 41787	0.31543	0.34037	103.20737	47.94128	14.62528	9.08266	3.30341E-11	2.24E-13	3.33E-11	1.08E-08	3.16E-11	1.08E-08	1.53E-09	9.62E-12	1.54E-09	1.03E-14	3.1E-14	1.79E-14	0	0	0	0	1.109E-09	1.8067E-08	2.57E-08	8.52865E-15	0	5.23929E-15	0
681	571390.6	4178759	0.55, 41787	0.29206	0.31801	95.20975	46.26011	11.90122	8.7596	3.05866E-11	2.09E-13	3.08E-11	9.97E-09	3.04E-11	1E-08	1.25E-09	7.83E-12	1.25E-09	9.5E-15	2.87E-14	1.66E-14	0	0	0	0	1.027E-09	1.6669E-08	2.09E-08	7.89725E-15	0	4.85141E-15	0
682	571430.6	4178759	0.55, 41787	0.27184	0.29676	65.82255	44.97926	8.48847	8.42183	2.8469E-11	1.95E-13	2.87E-11	6.89E-09	2.96E-11	6.92E-09	8.89E-10	5.59E-12	8.95E-10	8.85E-15	2.67E-14	1.55E-14	0	0	0	0	9.555E-10	1.1538E-08	1.49E-08	7.35064E-15	0	4.51561E-15	0
683	571470.6	4178759	0.55, 41787	0.25781	0.27877	74.19853	43.62462	10.92817	7.8818	2.69997E-11	1.83E-13	2.72E-11	7.77E-09	2.87E-11	7.8E-09	1.14E-09	7.19E-12	1.15E-09	8.39E-15	2.53E-14	1.47E-14	0	0	0	0	9.061E-10	1.2999E-08	1.92E-08	6.97081E-15	0	4.28228E-15	0
684	571510.6	4178759	0.55, 41787	0.24715	0.26193	102.14842	42.0514	14.2101	7.23025	2.58833E-11	1.72E-13	2.61E-11	1.07E-08	2.77E-11	1.07E-08	1.49E-09	9.35E-12	1.5E-09	8.04E-15	2.43E-14	1.41E-14	0	0	0	0	8.685E-10	1.7876E-08	2.5E-08	6.68168E-15	0	4.10467E-15	0
685	571550.6	4178759	0.55, 41787	0.23772	0.24585	104.82233	40.15762	14.31586	6.66643	2.48957E-11	1.62E-13	2.51E-11	1.1E-08	2.64E-11	1.1E-08	1.5E-09	9.42E-12	1.51E-09	7.73E-15	2.33E-14	1.35E-14	0	0	0	0	8.353E-10	1.834E-08	2.51E-08	6.42572E-15	0	3.94742E-15	0
686	571590.6	4178759	0.55, 41787	0.22808	0.23097	83.60184	37.747	11.46846	6.12919	2.38862E-11	1.52E-13	2.4E-11	8.76E-09	2.48E-11	8.78E-09	1.2E-09	7.55E-12	1.21E-09	7.42E-15	2.24E-14	1.3E-14	0	0	0	0	8.013E-10	1.4634E-08	2.01E-08	6.16431E-15	0	3.78684E-15	0
687	570310.6	4178799	0.55, 41787	0.10253	0.09048	92.22772	37.68456	11.52846	4.71057	1.07377E-11	5.95E-14	1.08E-11	9.66E-09	2.48E-11	9.68E-09	1.21E-09	7.59E-12	1.21E-09	3.33E-15	1.01E-14	5.82E-15	0	0	0	0	3.599E-10	1.6139E-08	2.02E-08	2.76882E-15	0	1.70093E-15	0
688	570350.6	4178799	0.55, 41787	0.11434	0.10195	96.42289	41.82094	12.05286	5.22762	1.19745E-11	6.71E-14	1.2E-11	1.01E-08	2.75E-11	1.01E-08	1.26E-09	7.93E-12	1.27E-09	3.72E-15	1.12E-14	6.49E-15	0	0	0	0	4.014E-10	1.6876E-08	2.12E-08	3.08793E-15	0	1.89696E-15	0
689	570390.6	4178799	0.55, 41787	0.12785	0.11532	96.70849	44.28794	12.08856	5.83168	1.33894E-11	7.59E-14	1.35E-11	1.01E-08	2.91E-11	1.02E-08	1.27E-09	7.96E-12	1.27E-09	4.16E-15	1.25E-14	7.26E-15	0	0	0	0	4.488E-10	1.6929E-08	2.12E-08	3.45301E-15	0	2.12124E-15	0
690	570430.6	4178799	0.55, 41787	0.14288	0.13064	109.4746	48.39009	13.83026	6.97525	1.49634E-11	8.60E-14	1.5E-11	1.15E-08	3.18E-11	1.15E-08	1.45E-09	9.10E-12	1.46E-09	4.64E-15	1.4E-14	8.12E-15	0	0	0	0	5.016E-10	1.9161E-08	2.43E-08	3.85924E-15	0	2.3708E-15	0
691	570470.6	4178799	0.55, 41787	0.15993	0.14857	116.3647	50.80214	16.31235	7.92735	1.6749E-11	9.78E-14	1.68E-11	1.22E-08	3.34E-11	1.22E-08	1.71E-09	1.07E-11	1.72E-09	5.2E-15	1.57E-14	9.09E-15	0	0	0	0	5.616E-10	2.0367E-08	2.87E-08	4.32016E-15	0	2.65395E-15	0
692	570510.6	4178799	0.55, 41787	0.17816	0.16871	124.77861	52.11481	17.82552	8.49382	1.86582E-11	1.11E-13	1.88E-11	1.31E-08	3.43E-11	1.31E-08	1.87E-09	1.17E-11	1.88E-09	5.79E-15	1.75E-14	1.01E-14	0	0	0	0	6.256E-10	2.1837E-08	3.13E-08	4.81315E-15	0	2.9568E-15	0
693	570550.6	4178799	0.55, 41787	0.19752	0.19131	126.89522	56.18657	18.12789	8.51005	2.06857E-11	1.26E-13	2.08E-11	1.33E-08	3.70E-11	1.33E-08	1.9E-09	1.19E-11	1.91E-09	6.42E-15	1.94E-14	1.12E-14	0	0	0	0	6.937E-10	2.2211E-08	3.18E-08	5.3369E-15	0	3.27854E-15	0
694	570590.6	4178799	0.55, 41787	0.21773	0.21627	122.68072	62.5324	17.14296	9.80776	2.28023E-11	1.42E-13	2.29E-11	1.28E-08	4.12E-11	1.29E-08	1.8E-09	1.13E-11	1.81E-09	7.08E-15	2.14E-14	1.24E-14	0	0	0	0	7.648E-10	2.1482E-08	3.01E-08	5.88387E-15	0	3.61456E-15	0
695	570630.6	4178799	0.55, 41787	0.23771	0.24268	133.9153	64.36556	18.95021	10.72759	2.48947E-11	1.60E-13	2.51E-11	1.4E-08	4.24E-11	1.41E-08	1.98E-09	1.25E-11	2E-09	7.73E-15	2.33E-14	1.35E-14	0	0	0	0	8.351E-10	2.3445E-08	3.33E-08	6.42491E-15	0	3.94693E-15	0
696	570670.6	4178799	0.55, 41787	0.25595	0.26895	141.94782	63.09907	19.13844	10.57117	2.68049E-11	1.77E-13	2.7E-11	1.49E-08	4.15E-11	1.49E-08	2E-09	1.26E-11	2.02E-09	8.33E-15	2.51E-14	1.46E-14	0	0	0	0	8.994E-10	2.4846E-08	3.36E-08	6.9192E-15	0	4.25058E-15	0
697	570710.6	4178799	0.55, 41787	0.27273	0.29382	157.12572	66.69563	19.64072	11.93189	2.85622E-11	1.93E-13	2.88E-11	1.65E-08	4.39E-11	1.65E-08	2.06E-09	1.29E-11	2.07E-09	8.87E-15	2.68E-14	1.55E-14	0	0	0	0	9.585E-10	2.7499E-08	3.45E-08	7.37404E-15	0	4.52999E-15	0
698	570750.6	4178799	0.55, 41787	0.29355	0.31916	152.65771	72.44297	19.08221	15.18472	3.07427E-11	2.10E-13	3.1E-11	1.6E-08	4.77E-11	1.6E-08	2E-09	1.26E-11	2.01E-09	9.55E-15	2.88E-14	1.67E-14	0	0	0	0	1.032E-09	2.6725E-08	3.35E-08	7.93746E-15	0	4.87611E-15	0
699	570790.6	4178799	0.55, 41787	0.31688	0.34759	157.73005	72.26845	20.13646	16.34526	3.3186E-11	2.29E-13	3.34E-11	1.65E-08	4.76E-11	1.66E-08	2.11E-09	1.33E-11	2.12E-09	1.03E-14	3.11E-14	1.8E-14	0	0	0	0	1.114E-09	2.761E-08	3.54E-08	8.56881E-15	0	5.26396E-15	0
700	570830.6	4178799	0.55, 41787	0.33524	0.37796	162.23746	94.66133	21.09567	14.73083	3.51087E-11	2.49E-13	3.54E-11	1.7E-08	6.23E-11	1.71E-08	2.21E-09	1.39E-11	2.22E-09	1.09E-14	3.29E-14	1.91E-14	0	0	0	0	1.179E-09	2.8422E-08	3.71E-08	9.06701E-15	0	5.57001E-15	0
701	570870.6	4178799	0.55, 41787	0.35595	0.40358	158.80625	107.46352	19.85078	16.70272	3.72776E-11	2.66E-13	3.75E-11	1.66E-08	7.07E-11	1.67E-08	2.08E-09	1.31E-11	2.09E-09	1.16E-14	3.5E-14	2.02E-14	0	0	0	0	1.251E-09	2.7837E-08	3.49E-08	9.62753E-15	0	5.91435E-15	0
702	570910.6	4178799	0.55, 41787	0.3676	0.41723	150.41188	96.98395	18.80149	15.72408	3.84977E-11	2.75E-13	3.88E-11	1.58E-08	6.38E-11	1.58E-08	1.97E-09	1.24E-11	1.98E-09	1.2E-14	3.61E-14	2.09E-14	0	0	0	0	1.292E-09	2.636E-08	3.3E-08	9.9427E-15	0	6.10796E-15	0
703	570950.6	4178799	0.55, 41787	0.34637	0.40141	159.46188	87.41269	19.93273	16.48069	3.62744E-11	2.64E-13	3.65E-11	1.67E-08	5.75E-11	1.68E-08	2.09E-09	1.31E-11	2.1E-09	1.13E-14	3.4E-14	1.97E-14	0	0	0	0	1.218E-09	2.7929E-08	3.5E-08	9.36988E-15	0	5.75607E-15	0
704	570990.6	4178799	0.55, 41787	0.35579	0.40756	119.48057	79.68844	17.5796	14.60553	3.72609E-11	2.68E-13	3.75E-11	1.25E-08	5.24E-11	1.26E-08	1.84E-09	1.16E-11	1.85E-09	1.16E-14	3.5E-14	2.02E-14	0	0	0	0	1.251E-09	2.0942E-08	3.09E-08	9.6239E-15	0	5.91212E-15	0
705	571030.6	4178799	0.55, 41787	0.37225	0.416	155.14917	72.93395	24.86673	12.948	3.89847E-11	2.74E-13	3.93E-11	1.62E-08	4.80E-11	1.63E-08	2.6E-09	1.64E-11	2.62E-09	1.21E-14	3.66E-14	2.12E-14	0	0	0	0	1.309E-09	2.7161E-08	4.37E-08	1.00674E-14	0	6.18455E-15	0
706	571070.6	4178799	0.55, 41787	0.3594	0.40135	158.59146	67.81733	22.65592	11.74555	3.7639E-11	2.64E-13	3.79E-11	1.66E-08	4.46E-11	1.67E-08	2.37E-09	1.49E-11	2.39E-09	1.17E-14	3.53E-14	2.04E-14	0	0	0	0	1.263E-09	2.7756E-08	3.98E-08	9.7198E-15	0	5.97103E-15	0
707	571110.6	4178799	0.55, 41787	0.34191	0.38638	133.9595	62.41991	16.74494	10.40332	3.58073E-11	2.54E-13	3.61E-11	1.4E-08	4.11E-11	1.41E-08	1.75E-09	1.10E-11	1.76E-09	1.11E-14	3.36E-14	1.95E-14	0	0	0	0	1.202E-09	2.345E-08	2.94E-08	9.24757E-15	0	5.68093E-15	0
708	571150.6	4178799	0.55, 41787	0.32926	0.37153	140.52662	58.47073	17.56829	9.74512	3.44825E-11	2.45E-13	3.47E-11	1.47E-08	3.85E-11	1.48E-08	1.84E-09	1.16E-11	1.85E-09	1.07E-14	3.24E-14	1.87E-14	0	0	0	0	1.158E-09	2.4592E-08	3.09E-08	8.90533E-15	0	5.47069E-15	0
709	571190.6	4178799	0.55, 41787	0.32393	0.35615	162.80337	55.99612	20.37225	9.46414	3.39243E-11	2.34E-13	3.42E-11	1.7E-08	3.69E-11	1.71E-08	2.13E-09	1.34E-11	2.15E-09	1.05E-14	3.18E-14	1.84E-14	0	0	0	0	1.139E-09	2.8478E-08	3.58E-08	8.75959E-15	0	5.38116E-15	0
710	571230.6	4178799	0.55, 41787	0.31732	0.33876	141.0743	54.42569	17.72831	9.52966	3.3232E-11	2.23E-13	3.35E-11	1.48E-08	3.58E-11	1.48E-08	1.86E-09	1.17E-11	1.87E-09	1.03E-14	3.12E-14	1.8E-14	0	0	0	0	1.115E-09	2.4684E-08	3.11E-08	8.57914E-15	0	5.2703E-15	0
711	571270.6	4178799	0.55, 41787	0.30415	0.32027	116.54381	51.24633	16.64912	9.13765	3.18528E-11	2.11E-13	3.21E-11	1.22E-08	3.37E-11	1.22E-08	1.74E-09	1.10E-11	1.75E-09	9.89E-15	2.99E-14	1.73E-14	0	0	0	0	1.069E-09	2.0398E-08	2.92E-08	8.22232E-15	0	5.05111E-15	0
712	571310.6	4178799	0.55, 41787	0.28608	0.30211	111.77517	48.08718	15.28029	8.60329	2.99604E-11	1.99E-13	3.02E-11	1.17E-08	3.16E-11	1.17E-08	1.6E-09	1.01E-11	1.61E-09	9.31E-15	2.81E-14	1.63E-14	0	0	0	0	1.005E-09	1.9563E-08	2.68E-08	7.73397E-15	0	4.7511E-15	0
713	571350.6	4178799	0.55, 41787	0.26522	0.28423	116.94553	46.1941	15.97517	8.23917	2.77757E-11	1.87E-13	2.8E-11	1.22E-08	3.04E-11	1.23E-08	1.67E-09	1.05E-11	1.68E-09	8.63E-15	2.61E-14	1.51E-14	0	0	0	0	9.321E-10	2.0463E-08	2.81E-08	7.17073E-15	0	4.4051E-15	0
714	571390.6	4178799	0.55, 41787	0.24309	0.26586	101.64822	44.37475	13.96186	7.97488	2.54581E-11	1.75E-13	2.56E-11	1.06E-08	2.92E-11	1.07E-08	1.46E-09	9.19E-12	1.47E-09	7.91E-15	2.39E-14	1.38E-14	0	0	0	0	8.544E-10	1.7791E-08	2.45E-08	6.57331E-15	0	4.03809E-15	0
715	571430.6	4178799	0.55, 41787	0.22645	0.25105	78.66707	42.96369	10.22882	7.75525	2.37155E-11	1.65E-13	2.39E-11	8.24E-09	2.83E-11	8.27E-09	1.07E-09	6.73E-12	1.08E-09	7.37E-15	2.23E-14	1.29E-14	0	0	0	0	7.96E-10	1.3778E-08	1.8E-08	6.12392E-15	0	3.76203E-15	0
716	571470.6	4178799	0.55, 41787	0.21325	0.23694	47.64153	41.84289	7.70461	7.45296	2.23331E-11	1.56E-13	2.25E-11	4.99E-09	2.75E-11	5.02E-09	8.07E-10	5.07E-12	8.12E-10	6.94E-15	2.1E-14	1.21E-14	0	0	0	0	7.496E-10	8.3615E-09	1.35E-08	5.76704E-15	0	3.54279E-15	0
717	571510.6	4178799	0.55, 41787	0.20623	0.22585	71.44774	40.73398	10.29216	7.00806	2.15979E-11	1.49E-13	2.17E-11	7.48E-09	2.68E-11	7.51E-09	1.08E-09	6.77E-12	1.08E-09	6.71E-15	2.03E-14	1.17E-14	0	0	0	0	7.249E-10	1.2516E-08	1.81E-08	5.57664E-15	0	3.42582E-15	0
718	571550.6	4178799	0.55, 41787	0.19818	0.21228	94.10249	39.35835	13.01678	6.4744	2.07548E-11	1.40E-13	2.09E-11	9.86E-09	2.59E-11	9.88E-09	1.36E-09	8.57E-12	1.37E-09	6.45E-15	1.95E-14	1.13E-14	0	0	0	0	6.965E-10	1.6468E-08	2.29E-08	5.35816E-15	0	3.29161E-15	0
719	571590.6	4178799	0.55, 41787	0.19254	0.20073	94.76849	37.66806	12.95063	6.01952	2.01642E-11	1.32E-13	2.03E-11	9.92E-09	2.48E-11	9.95E-09	1.36E-09	8.52E-12	1.36E-09	6.26E-15	1.89E-14	1.09E-14	0	0	0	0	6.765E-10	1.6583E-08	2.27E-08	5.20474E-15	0	3.19736E-15	0
720	570310.6	4178839	0.55, 41788	0.10118	0.0904	86.93136	38.98232	10.86642	4.87279	1.05963E-11	5.95E-14	1.07E-11	9.1E-09	2.57E-11	9.13E-09	1.14E-09	7.15E-12	1.15E-09	3.29E-15	9.93E-15	5.75E-15	0	0	0	0	3.552E-10	1.5216E-08	1.91E-08	2.73255E-15	0	1.67865E-15	0
721	570350.6	4178839	0.55, 41788	0.1118	0.10104	92.10266	41.60712	11.51283	5.43734	1.17085E-11	6.65E-14	1.18E-11	9.65E-09	2.74E-11	9.67E-09	1.21E-09	7.58E-12	1.21E-09	3.63E-15	1.1E-14	6.35E-15	0	0	0	0	3.925E-10	1.6122E-08	2.02E-08	3.01956E-15	0	1.85496E-15	0
722	570390.6	4178839	0.55, 41788	0.12335	0.11299	101.58992	44.39945	13.097	6.32134	1.29181E-11	7.44E-14	1.3E-11	1.06E-08	2.92E-11	1.07E-08	1.37E-09	8.62E-12	1.38E-09	4.01E-15	1.21E-14	7.01E-15	0	0	0	0	4.331E-10	1.7781E-08	2.3E-08	3.33176E-15	0	2.04676E-15	0
723	570430.6	4178839	0.55, 41788	0.13612	0.12663	105.75261	46.22171	15.10752	6.99394	1.42555E-11	8.33E-14	1.43E-11	1.11E-08	3.04E-11	1.11E-08	1.58E-09	9.94E-12	1.59E-09	4.42E-15	1.34E-14	7.73E-15	0	0	0	0	4.78E-10	1.8509E-08	2.65E-08	3.67702E-15	0	2.25885E-15	0
724	570470.6	4178839	0.55, 41788	0.14941	0.1416	113.55911	47.52324	16.22273	7.30549	1.56473E-11	9.32E-14	1.57E-11	1.19E-08	3.13E-11	1.19E-08	1.7E-09	1.07E-11	1.71E-09	4.86E-15	1.47E-14	8.49E-15	0	0	0	0	5.247E-10	1.9873E-08	2.85E-08	4.03646E-15	0	2.47966E-15	0
725	570510.6	4178839	0.55, 41788	0.16314	0.158	114.44641	50.69094	16.21485	7.16417	1.70852E-11	1.04E-13	1.72E-11	1.2E-08	3.34E-11	1.2E-08	1.7E-09	1.07E-11	1.71E-09	5.3E-15	1.6E-14	9.27E-15	0	0	0	0	5.73E-10	2.0032E-08	2.85E-08	4.40796E-15	0	2.70788E-15	0
726	570550.6	4178839	0.55, 41788	0.17704	0.17576	109.2842	56.30775	15.45924	8.75778	1.85409E-11	1.16E-13	1.87E-11	1.14E-08	3.71E-11	1.15E-08	1.62E-09	1.02E-11	1.63E-09	5.76E-15	1.74E-14	1.01E-14	0	0	0	0	6.219E-10	1.9137E-08	2.72E-08	4.78426E-15	0	2.93905E-15	0
727	570590.6	4178839	0.55, 41788	0.1907	0.19445	121.04262	57.73789	17.123	9.62298	1.99715E-11	1.28E-13	2.01E-11	1.27E-08	3.80E-11	1.27E-08	1.79E-09	1.13E-11	1.8E-09	6.2E-15	1.87E-14	1.08E-14	0	0	0	0	6.7E-10	2.1191E-08	3.01E-08	5.15427E-15	0	3.16635E-15	0
728	570630.6	4178839	0.55, 41788	0.20316	0.21304	125.84874	56.85617	17.26057	9.47603	2.12764E-11	1.40E-13	2.14E-11	1.32E-08	3.74E-11	1.32E-08	1.81E-09	1.14E-11	1.82E-09	6.61E-15	2E-14	1.16E-14	0	0	0	0	7.139E-10	2.2029E-08	3.03E-08	5.49203E-15	0	3.37384E-15	0
729	570670.6	4178839	0.55, 41788	0.21386	0.23043	138.80556	56.19819	17.35069	9.51337	2.2397E-11	1.52E-13	2.25E-11	1.45E-08	3.70E-11	1.46E-08	1.82E-09	1.14E-11	1.83E-09	6.96E-15	2.1E-14	1.22E-14	0	0	0	0	7.516E-10	2.429E-08	3.05E-08	5.78233E-15	0	3.55218E-15	0
730	570710.6	4178839	0.55, 41788	0.22462	0.24643	139.69865	64.11019	17.46233	11.64998	2.35238E-11	1.62E-13	2.37E-11	1.46E-08	4.22E-11	1.47E-08	1.83E-09	1.15E-11	1.84E-09	7.31E-15	2.21E-14	1.28E-14	0	0	0	0	7.895E-10	2.4454E-08	3.07E-08	6.074E-15	0	3.73136E-15	0
731	570750.6	4178839	0.55, 41788	0.23931	0.26333	129.30344	65.03758	16.25667	13.35444	2.50623E-11	1.73E-13	2.52E-11	1.35E-08	4.28E-11	1.36E-08	1.7E-09	1.07E-11	1.71E-09	7.79E-15	2.35E-14	1.36E-14	0	0	0	0	8.412E-10	2.2641E-08	2.86E-08	6.47137E-15	0	3.97547E-15	0
732	570790.6	4178839	0.55, 41788	0.2546	0.28325	148.04332	66.52984	18.88746	13.10425	2.66635E-11	1.86E-13	2.68E-11	1.55E-08	4.38E-11	1.55E-08	1.98E-09	1.24E-11	1.99E-09	8.29E-15	2.5E-14	1.45E-14	0	0	0	0	8.95E-10	2.5913E-08	3.32E-08	6.88536E-15	0	4.22979E-15	0
733	570830.6	4178839	0.55, 41788	0.26766	0.30497	136.3658	90.38201	17.19519	14.05196	2.80313E-11	2.01E-13	2.82E-11	1.43E-08	5.95E-11	1.43E-08	1.8E-09	1.13E-11	1.81E-09	8.71E-15	2.63E-14	1.52E-14	0	0	0	0	9.411E-10	2.3901E-08	3.02E-08	7.23976E-15	0	4.4475E-15	0
734	570870.6	4178839	0.55, 41788	0.28248	0.32215	145.76117	97.26265	18.22015	15.13016	2.95833E-11	2.12E-13	2.98E-11	1.53E-08	6.40E-11	1.53E-08	1.91E-09	1.20E-11	1.92E-09	9.19E-15	2.78E-14	1.61E-14	0	0	0	0	9.932E-10	2.5549E-08	3.2E-08	7.64067E-15	0	4.69379E-15	0
735	570910.6	4178839	0.55, 41788	0.28799	0.33135	130.6935	87.1686	16.33669	13.50967	3.01604E-11	2.18E-13	3.04E-11	1.37E-08	5.74E-11	1.37E-08	1.71E-09	1.08E-11	1.72E-09	9.37E-15	2.83E-14	1.64E-14	0	0	0	0	1.013E-09	2.2908E-08	2.87E-08	7.7902E-15	0	4.78565E-15	0
736	570950.6	4178839	0.55, 41788	0.28758	0.33724	143.26415	81.64199	17.90802	13.93242	3.01174E-11	2.22E-13	3.03E-11	1.5E-08	5.37E-11	1.51E-08	1.88E-09	1.18E-11	1.89E-09	9.36E-15	2.83E-14	1.64E-14	0	0	0	0	1.011E-09	2.5096E-08	3.15E-08	7.78018E-15	0	4.77949E-15	0
737	570990.6	4178839	0.55, 41788	0.28844	0.33412	115.42228	74.82901	15.11344	13.01217	3.02075E-11	2.20E-13	3.04E-11	1.21E-08	4.92E-11	1.21E-08	1.58E-09	9.95E-12	1.59E-09	9.39E-15	2.83E-14	1.64E-14	0	0	0	0	1.014E-09	2.0228E-08	2.65E-08	7.80275E-15	0	4.79336E-15	0
738	571030.6	4178839	0.55, 41788	0.29049	0.32848	122.60648	67.85889	20.43441	11.21527	3.04222E-11	2.16E-13	3.06E-11	1.28E-08	4.47E-11	1.29E-08	2.14E-09	1.34E-11	2.15E-09	9.45E-15	2.85E-14	1.65E-14	0	0	0	0	1.021E-09	2.1475E-08	3.59E-08	7.85685E-15	0	4.82659E-15	0
739	571070.6	4178839	0.55, 41788	0.28682	0.32211	145.80556	62.69899	22.09774	10.44682	3.00379E-11	2.12E-13	3.02E-11	1.53E-08	4.13E-11	1.53E-08	2.31E-09	1.45E-11	2.33E-09	9.33E-15	2.82E-14	1.63E-14	0	0	0	0	1.008E-09	2.5518E-08	3.88E-08	7.75722E-15	0	4.76538E-15	0
740	571110.6	4178839	0.55, 41788	0.272	0.3104	131.09883	59.8466	17.36249	9.97443	2.84858E-11	2.04E-13	2.87E-11	1.37E-08	3.94E-11	1.38E-08	1.82E-09	1.14E-11	1.83E-09	8.85E-15	2.67E-14	1.55E-14	0	0	0	0	9.563E-10	2.2948E-08	3.05E-08	7.35723E-15	0	4.51967E-15	0
741	571150.6	4178839	0.55, 41788	0.26	0.30055	99.99815	55.57889	12.49977	9.26315	2.72291E-11	1.98E-13	2.74E-11	1.05E-08	3.66E-11	1.05E-08	1.31E-09	8.23E-12	1.32E-09	8.46E-15	2.56E-14	1.48E-14	0	0	0	0	9.142E-10	1.7515E-08	2.2E-08	7.0333E-15	0	4.32067E-15	0
742	571190.6	4178839	0.55, 41788	0.2552	0.29099	127.82601	53.11626	15.97966	8.85271	2.67264E-11	1.92E-13	2.69E-11	1.34E-08	3.50E-11	1.34E-08	1.67E-09	1.05E-11	1.68E-09	8.31E-15	2.51E-14	1.45E-14	0	0	0	0	8.973E-10	2.237E-08	2.81E-08	6.90278E-15	0	4.24049E-15	0
743	571230.6	4178839	0.55, 41788	0.25406	0.28009	144.46225	51.51588	18.06666	8.58598	2.6607E-11	1.84E-13	2.68E-11	1.51E-08	3.39E-11	1.52E-08	1.89E-09	1.19E-11	1.9E-09	8.27E-15	2.5E-14	1.45E-14	0	0	0	0	8.93E-10	2.5272E-08	3.17E-08	6.87032E-15	0	4.22055E-15	0
744	571270.6	4178839	0.55, 41788	0.2507	0.26766	121.82335	49.56018	15.26733	8.26003	2.62551E-11	1.76E-13	2.64E-11	1.28E-08	3.26E-11	1.28E-08	1.6E-09	1.00E-11	1.61E-09	8.16E-15	2.46E-14	1.43E-14	0	0	0	0	8.81E-10	2.1318E-08	2.68E-08	6.77799E-15	0	4.16383E-15	0
745	571310.6	4178839	0.55, 41788	0.24184	0.25433	103.21026	44.65355	14.74432	7.58702	2.53272E-11	1.67E-13	2.55E-11	1.08E-08	2.94E-11	1.08E-08	1.54E-09	9.70E-12	1.55E-09	7.87E-15	2.38E-14	1.38E-14	0	0	0	0	8.498E-10	1.8064E-08	2.59E-08	6.53779E-15	0	4.01627E-15	0
746	571350.6	4178839	0.55, 41788	0.22797	0.24079	99.0464	44.12829	14.35742	7.39344	2.38747E-11	1.58E-13	2.4E-11	1.04E-08	2.90E-11	1.04E-08	1.5E-09	9.45E-12	1.51E-09	7.42E-15	2.24E-14	1.3E-14	0	0	0	0	8.011E-10	1.7336E-08	2.52E-08	6.16301E-15	0	3.78604E-15	0
747	571390.6	4178839	0.55, 41788	0.21103	0.22733	102.76287	42.76623	13.91866	7.25999	2.21006E-11	1.50E-13	2.23E-11	1.08E-08	2.81E-11	1.08E-08	1.46E-09	9.16E-12	1.47E-09	6.87E-15	2.07E-14	1.2E-14	0	0	0	0	7.417E-10	1.7984E-08	2.44E-08	5.7058E-15	0	3.50517E-15	0
748	571430.6	4178839	0.55, 41788	0.19469	0.21494	96.70075	41.37793	13.13698	7.12068	2.03893E-11	1.41E-13	2.05E-11	1.01E-08	2.72E-11	1.02E-08	1.38E-09	8.65E-12	1.38E-09	6.34E-15	1.91E-14	1.11E-14	0	0	0	0	6.844E-10	1.6924E-08	2.31E-08	5.26488E-15	0	3.2343E-15	0
749	571470.6	4178839	0.55, 41788	0.18137	0.20392	77.02264	40.18933	10.5662	6.94319	1.89944E-11	1.34E-13	1.91E-11	8.07E-09	2.64E-11	8.09E-09	1.11E-09	6.95E-12	1.11E-09	5.9E-15	1.78E-14	1.03E-14	0	0	0	0	6.376E-10	1.3488E-08	1.86E-08	4.9053E-15	0	3.01341E-15	0
750	571510.6	4178839	0.55, 41788	0.17253	0.19446	52.60803	39.21497	7.34906	6.67327	1.80686E-11	1.28E-13	1.82E-11	5.51E-09	2.58E-11	5.54E-09	7.7E-10	4.84E-12	7.74E-10	5.62E-15	1.7E-14	9.81E-15	0	0	0	0	6.066E-10	9.2255E-09	1.29E-08	4.6663E-15	0	2.86658E-15	0
751	571550.6	4178839	0.55, 41788	0.16797	0.18619	68.59481	38.25365	9.65516	6.29212	1.7591E-11	1.23E-13	1.77E-11	7.18E-09	2.52E-11	7.21E-09	1.01E-09	6.35E-12	1.02E-09	5.47E-15	1.65E-14	9.55E-15	0	0	0	0	5.905E-10	1.2015E-08	1.7E-08	4.54244E-15	0	2.79049E-15	0
752	571590.6	4178839	0.55, 41788	0.16271	0.17607	86.9293	37.04871	11.93163	5.86384	1.70402E-11	1.16E-13	1.72E-11	9.1E-09	2.44E-11	9.13E-09	1.25E-09	7.85E-12	1.26E-09	5.29E-15	1.6E-14	9.25E-15	0	0	0	0	5.719E-10	1.5214E-08	2.1E-08	4.39947E-15	0	2.70266E-15	0
753	570839.2	4178446	9.17, 41784	74.46739	6.86955	1115.31188	246.53605	545.24687	92.47095	7.79876E-09	4.52E-12	7.8E-09	1.17E-07	1.62E-10	1.17E-07	5.71E-08	3.59E-10	5.75E-08	2.41E-12	7.27E-12	4.21E-12	0	0	0	0	2.601E-07	1.9494E-07	9.58E-07	2.00106E-12	0	1.22928E-12	0
754	570839.2	4178486	9.17, 41784	72.70489	8.35312	2611.28562	240.43522	1286.82968	90.10385	7.61418E-09	5.50E-12	7.62E-09	2.73E-07	1.58E-10	2.74E-07	1.35E-07	8.47E-10	1.36E-07	2.35E-12	7.1E-12	4.11E-12	0	0	0	0	2.54E-07	4.5605E-07	2.26E-06	1.95398E-12	0	1.20036E-12	0
755	570879.2	4178406	9.17, 41784	9.26791	12.09581	654.37651	281.54322	174.87233	99.71055	9.70602E-10	7.96E-12	9.79E-10	6.85E-08	1.85E-10	6.87E-08	1.83E-08	1.15E-10	1.84E-08	3.02E-13	9.12E-13	5.28E-13	0	0	0	0	3.262E-08	1.1453E-07	3.07E-07	2.50941E-13	0	1.54157E-13	0
756	570879.2	4178446	9.17, 41784	110.98197	13.33715	3333.88644	260.53475	1717.50318	91.01179	1.16228E-08	8.78E-12	1.16E-08	3.49E-07	1.71E-10	3.49E-07	1.8E-07	1.13E-09	1.81E-07	3.59E-12	1.08E-11	6.27E-12	0	0	0	0	3.877E-07	5.822E-07	3.02E-06	2.98279E-12	0	1.83238E-12	0
757	570879.2	4178486	9.17, 41784	18.42358	13.79846	473.0449	246.35325	141.68031	100.88031	1.92945E-09	9.08E-12	1.94E-09	4.95E-08	1.62E-10	4.97E-08	1.48E-08	9.32E-11	1.49E-08	5.98E-13	1.81E-12	1.05E-12	0	0	0	0	6.462E-08	8.2838E-08	2.49E-07	4.97114E-13	0	3.05385E-13	0
758	570879.2	4178526	9.17, 41785	94.91809	17.71904	3340.71117	271.69492	1490.9797	113.49448	9.94051E-09	1.17E-11	9.95E-09	3.5E-07	1.79E-10	3.5E-07	1.56E-07	9.81E-10	1.57E-07	3.07E-12	9.27E-12	5.37E-12	0	0	0	0	3.317E-07	5.834E-07	2.62E-06	2.55212E-12	0	1.56781E-12	0
759	570879.2	4178566	9.17, 41785	6.34056	7.84517	517.57011	248.69096	138.67192	92.32789	6.64029E-10	5.16E-12	6.69E-10	5.42E-08	1.64E-10	5.44E-08	1.45E-08	9.13E-11	1.46E-08	2.06E-13	6.24E-13	3.61E-13	0	0	0	0	2.231E-08	9.0612E-08	2.44E-07	1.71606E-13	0	1.05421E-13	0
760	570919.2	4178366	9.17, 41783	2.36921	8.89638	279.82249	231.14799	50.20448	85.64726	2.48121E-10	5.85E-12	2.54E-10	2.93E-08	1.52E-10	2.95E-08	5.26E-09	3.30E-11	5.29E-09	7.84E-14	2.37E-13	1.37E-13	0	0	0	0	8.466E-09	4.9095E-08	8.82E-08	6.5129E-14	0	4.00098E-14	0
761	570919.2	4178406	9.17, 41784	7.16288	18.51893	387.12304	281.06153	102.95605	123.97591	7.50148E-10	1.22E-11	7.62E-10	4.05E-08	1.85E-10	4.07E-08	1.08E-08	6.78E-11	1.09E-08	2.35E-13	7.1E-13	4.11E-13	0	0	0	0	2.541E-08	6.7879E-08	1.81E-07	1.95492E-13	0	1.20094E-13	0
762	570919.2	4178446	9.17, 41784	30.90779	15.96768	761.46723	266.85593	290.35951	97.37786	3.23689E-09	1.05E-11	3.25E-09	7.97E-08	1.76E-10	7.99E-08	3.04E-08	1.91E-10	3.06E-08	1E-12	3.03E-12	1.75E-12	0	0	0	0	1.082E-07	1.332E-07	5.1E-07	8.32756E-13	0	5.11576E-13	0
763	570919.2	4178486	9.17, 41784	29.57453	18.16179	992.62163	281.14129	425.98322	121.6397	3.09726E-09	1.20E-11	3.11E-09	1.04E-07	1.85E-10	1.04E-07	4.46E-08	2.80E-10	4.49E-08	9.59E-13	2.9E-12	1.68E-12	0	0	0	0	1.036E-07	1.7357E-07	7.48E-07	7.97321E-13	0	4.89807E-13	0
764	570919.2	4178526	9.17, 41785	19.47257	21.77306	427.44744	357.8357	126.47105	151.21701	2.03931E-09	1.43E-11	2.05E-09	4.48E-08	2.35E-10	4.5E-08	1.32E-08	8.32E-11	1.33E-08	6.34E-13	1.91E-12	1.11E-12	0	0	0	0	6.845E-08	7.5001E-08	2.22E-07	5.26631E-13	0	3.23518E-13	0
765	570919.2	4178566	9.17, 41785	68.70701	17.81326	3547.24462	326.79695	1121.59815	123.62419	7.19549E-09	1.17E-11	7.21E-09	3.71E-07	2.15E-10	3.72E-07	1.17E-07	7.38E-10	1.18E-07	2.22E-12	6.72E-12	3.89E-12	0	0	0	0	2.402E-07	6.1951E-07	1.97E-06	1.84821E-12	0	1.13538E-12	0
766	570959.2	4178326	9.17, 41783	2.08146	12.83514	279.67021	252.56815	42.32993	97.81035	2.17985E-10	8.45E-12	2.26E-10	2.93E-08	1.66E-10	2.95E-08	4.43E-09	2.79E-11	4.46E-09	6.99E-14	2.11E-13	1.22E-13	0	0	0	0	7.548E-09	4.9092E-08	7.43E-08	5.80659E-14	0	3.56708E-14	0
767	570959.2	4178366	9.17, 41783	2.97969	11.80225	241.09871	252.07126	42.48046	78.75938	3.12055E-10	7.77E-12	3.2E-10	2.52E-08	1.66E-10	2.54E-08	4.45E-09	2.80E-11	4.48E-09	9.87E-14	2.98E-13	1.73E-13	0	0	0	0	1.066E-08	4.2359E-08	7.46E-08	8.20145E-14	0	5.03829E-14	0
768	570959.2	4178406	9.17, 41784	5.48321	18.00699	312.89849	292.26242	67.10795	111.57482	5.74241E-10	1.19E-11	5.86E-10	3.28E-08	1.92E-10	3.3E-08	7.03E-09	4.42E-11	7.07E-09	1.81E-13	5.46E-13	3.16E-13	0	0	0	0	1.954E-08	5.4936E-08	1.18E-07	1.50296E-13	0	9.23295E-14	0
769	570959.2	4178446	9.17, 41784	13.2141	15.9724	471.07205	258.82785	129.31081	100.45092	1.38388E-09	1.05E-11	1.39E-09	4.93E-08	1.70E-10	4.95E-08	1.35E-08	8.51E-11	1.36E-08	4.3E-13	1.3E-12	7.52E-13	0	0	0	0	4.648E-08	8.2507E-08	2.27E-07	3.57574E-13	0	2.19664E-13	0
770	570959.2	4178486	9.17, 41784	61.20406	15.71053	1330.20017	250.50131	539.4281	101.77571	6.40973E-09	1.03E-11	6.42E-09	1.39E-07	1.65E-10	1.39E-07	5.65E-08	3.55E-10	5.68E-08	1.98E-12	5.98E-12	3.46E-12	0	0	0	0	2.14E-07	2.3245E-07	9.47E-07	1.64635E-12	0	1.01138E-12	0
771	570959.2	4178526	9.17, 41785	233.18259	14.04006	3491.90215	258.73899	1687.05022	110.68808	2.44206E-08	9.24E-12	2.44E-08	3.66E-07	1.70E-10	3.66E-07	1.77E-07	1.11E-09	1.78E-07	7.54E-12	2.28E-11	1.32E-11	0	0	0	0	8.143E-07	6.0978E-07	2.96E-06	6.26474E-12	0	3.84853E-12	0
772	570999.2	4178286	9.17, 41782	4.82709	7.01905	541.05323	230.67805	117.6944	82.70868	5.05528E-10	4.62E-12	5.1E-10	5.67E-08	1.52E-10	5.68E-08	1.23E-08	7.75E-11	1.24E-08	1.57E-13	4.75E-13	2.75E-13	0	0	0	0	1.7E-08	9.4691E-08	2.07E-07	1.30821E-13	0	8.03656E-14	0

773	570999.2	4178326	9.17, 41783	3.49216	17.23511	334.8047	281.26172	73.88295	121.01705	3.65724E-10	1.13E-11	3.77E-10	3.51E-08	1.85E-10	3.52E-08	7.74E-09	4.86E-11	7.79E-09	1.16E-13	3.51E-13	2.03E-13	0	0	0	0	1.257E-08	5.8747E-08	1.3E-07	9.66943E-14	0	5.94009E-14	0
774	570999.2	4178366	9.17, 41783	3.49499	15.86199	258.09779	262.50756	51.99585	99.38677	3.6602E-10	1.04E-11	3.76E-10	2.7E-08	1.73E-10	2.72E-08	5.45E-09	3.42E-11	5.48E-09	1.16E-13	3.51E-13	2.03E-13	0	0	0	0	1.255E-08	4.5338E-08	9.13E-08	9.65386E-14	0	5.93052E-14	0
775	570999.2	4178406	9.17, 41784	4.67229	14.08019	269.25985	258.20089	48.54927	90.52886	4.89316E-10	9.27E-12	4.99E-10	2.82E-08	1.70E-10	2.84E-08	5.08E-09	3.20E-11	5.12E-09	1.54E-13	4.65E-13	2.69E-13	0	0	0	0	1.662E-08	4.7281E-08	8.53E-08	1.27856E-13	0	7.85437E-14	0
776	570999.2	4178446	9.17, 41784	8.21208	17.59623	365.10896	254.50285	80.87758	113.65243	8.60028E-10	1.16E-11	8.72E-10	3.82E-08	1.67E-10	3.84E-08	8.47E-09	5.32E-11	8.52E-09	2.69E-13	8.12E-13	4.7E-13	0	0	0	0	2.905E-08	6.4007E-08	1.42E-07	2.23514E-13	0	1.37308E-13	0
777	570999.2	4178486	9.17, 41784	18.06608	14.21786	585.19163	263.25351	156.20535	101.07997	1.89201E-09	9.36E-12	1.9E-09	6.13E-08	1.73E-10	6.15E-08	1.64E-08	1.03E-10	1.65E-08	5.87E-13	1.77E-12	1.03E-12	0	0	0	0	6.338E-08	1.0243E-07	2.74E-07	4.87583E-13	0	2.9953E-13	0
778	571039.2	4178246	9.17, 41782	16.91212	6.90765	857.31055	271.11205	274.95229	93.64332	1.77116E-09	4.55E-12	1.78E-09	8.98E-08	1.78E-10	9E-08	2.88E-08	1.81E-10	2.9E-08	5.48E-13	1.65E-12	9.58E-13	0	0	0	0	5.919E-08	1.4994E-07	4.83E-07	4.55359E-13	0	2.79734E-13	0
779	571039.2	4178286	9.17, 41782	28.85834	15.10006	1240.055	260.3069	549.80999	92.85324	3.02225E-09	9.94E-12	3.03E-09	1.3E-07	1.71E-10	1.3E-07	5.76E-08	3.62E-10	5.79E-08	9.36E-13	2.83E-12	1.64E-12	0	0	0	0	1.011E-07	2.1673E-07	9.66E-07	7.7757E-13	0	4.77674E-13	0
780	571039.2	4178326	9.17, 41783	6.67676	17.1171	443.85334	276.43557	131.23026	111.87763	6.99238E-10	1.13E-11	7.11E-10	4.65E-08	1.82E-10	4.67E-08	1.37E-08	8.64E-11	1.38E-08	2.19E-13	6.62E-13	3.83E-13	0	0	0	0	2.368E-08	7.7776E-08	2.3E-07	1.822E-13	0	1.11929E-13	0
781	571039.2	4178366	9.17, 41783	4.40971	16.57374	310.01939	259.88486	73.97776	106.04392	4.61817E-10	1.09E-11	4.73E-10	3.25E-08	1.71E-10	3.26E-08	7.75E-09	4.87E-11	7.8E-09	1.46E-13	4.4E-13	2.55E-13	0	0	0	0	1.576E-08	5.4397E-08	1.3E-07	1.21224E-13	0	7.44702E-14	0
782	571039.2	4178406	9.17, 41784	4.40492	15.47088	249.62047	251.60574	54.55389	95.67705	4.61315E-10	1.02E-11	4.71E-10	2.61E-08	1.66E-10	2.63E-08	5.71E-09	3.59E-11	5.75E-09	1.45E-13	4.39E-13	2.54E-13	0	0	0	0	1.572E-08	4.3846E-08	9.58E-08	1.2091E-13	0	7.42768E-14	0
783	571039.2	4178446	9.17, 41784	6.02235	17.33371	271.18693	258.43077	53.34538	113.33058	6.30704E-10	1.14E-11	6.42E-10	2.84E-08	1.70E-10	2.86E-08	5.59E-09	3.51E-11	5.62E-09	1.98E-13	5.98E-13	3.46E-13	0	0	0	0	2.14E-08	4.7618E-08	9.37E-08	1.64662E-13	0	1.01154E-13	0
784	571079.2	4178246	9.17, 41782	26.90238	12.76385	686.22219	257.40547	294.80616	92.56412	2.81741E-09	8.40E-12	2.83E-09	7.19E-08	1.69E-10	7.2E-08	3.09E-08	1.94E-10	3.11E-08	8.72E-13	2.63E-12	1.52E-12	0	0	0	0	9.419E-08	1.2006E-07	5.18E-07	7.24646E-13	0	4.45162E-13	0
785	571079.2	4178286	9.17, 41782	49.90964	15.92317	957.6563	283.49226	414.11972	108.09945	5.2269E-09	1.05E-11	5.24E-09	1E-07	1.87E-10	1E-07	4.34E-08	2.73E-10	4.36E-08	1.62E-12	4.88E-12	2.82E-12	0	0	0	0	1.746E-07	1.6747E-07	7.27E-07	1.34306E-12	0	8.25066E-13	0
786	571079.2	4178326	9.17, 41783	16.67986	14.36437	793.60016	243.70787	313.14105	91.11491	1.74683E-09	9.45E-12	1.76E-09	8.31E-08	1.60E-10	8.33E-08	3.28E-08	2.06E-10	3.3E-08	5.42E-13	1.64E-12	9.47E-13	0	0	0	0	5.854E-08	1.3879E-07	5.5E-07	4.5038E-13	0	2.76676E-13	0
787	571079.2	4178366	9.17, 41783	6.18218	17.09307	419.38901	255.0076	110.95083	108.56867	6.47442E-10	1.12E-11	6.59E-10	4.39E-08	1.68E-10	4.41E-08	1.16E-08	7.30E-11	1.17E-08	2.03E-13	6.14E-13	3.55E-13	0	0	0	0	2.196E-08	7.3482E-08	1.95E-07	1.68914E-13	0	1.03766E-13	0
788	571079.2	4178406	9.17, 41784	4.42977	14.91	310.20505	209.99469	72.09993	91.11305	4.63917E-10	9.81E-12	4.74E-10	3.25E-08	1.38E-10	3.26E-08	7.55E-09	4.74E-11	7.6E-09	1.46E-13	4.41E-13	2.56E-13	0	0	0	0	1.579E-08	5.4375E-08	1.27E-07	1.21482E-13	0	7.46286E-14	0
789	571119.2	4178286	9.17, 41782	25.0824	15.07438	507.91812	256.39153	211.8106	106.96205	2.62681E-09	9.92E-12	2.64E-09	5.32E-08	1.69E-10	5.34E-08	2.22E-08	1.39E-10	2.23E-08	8.14E-13	2.46E-12	1.42E-12	0	0	0	0	8.789E-08	8.8936E-08	3.72E-07	6.76159E-13	0	4.15375E-13	0
790	571119.2	4178326	9.17, 41783	197.49067	14.51391	3348.29445	230.6601	1622.72219	95.52079	2.06826E-08	9.55E-12	2.07E-08	3.51E-07	1.52E-10	3.51E-07	1.7E-07	1.07E-09	1.71E-07	6.39E-12	1.93E-11	1.12E-11	0	0	0	0	6.897E-07	5.8468E-07	2.85E-06	5.30627E-12	0	3.25973E-12	0
791	571119.2	4178366	9.17, 41783	10.01384	12.46582	630.48898	206.62645	198.58486	83.22549	1.04872E-09	8.20E-12	1.06E-09	6.6E-08	1.36E-10	6.62E-08	2.08E-08	1.31E-10	2.09E-08	3.26E-13	9.85E-13	5.7E-13	0	0	0	0	3.523E-08	1.1028E-07	3.49E-07	2.71036E-13	0	1.66502E-13	0
792	571159.2	4178326	9.17, 41783	219.15803	19.05137	3124.9508	277.70648	1560.39264	128.55095	2.29518E-08	1.25E-11	2.3E-08	3.27E-07	1.83E-10	3.27E-07	1.63E-07	1.03E-09	1.64E-07	7.09E-12	2.14E-11	1.24E-11	0	0	0	0	7.655E-07	5.4575E-07	2.74E-06	5.88894E-12	0	3.61767E-12	0
793	570808.8	4178465	8.82, 41784	10.95844	3.34212	1253.90468	193.66587	302.59047	56.7134	1.14765E-09	2.20E-12	1.15E-09	1.31E-07	1.27E-10	1.31E-07	3.17E-08	1.99E-10	3.19E-08	3.55E-13	1.07E-12	6.2E-13	0	0	0	0	3.833E-08	2.1908E-07	5.31E-07	2.94865E-13	0	1.8114E-13	0
794	570823.9	4178530	3.91, 41785	3.05561	3.25593	358.64643	197.99385	70.39413	63.38636	3.20005E-10	2.14E-12	3.22E-10	3.76E-08	1.30E-10	3.77E-08	7.37E-09	4.63E-11	7.42E-09	9.94E-14	3E-13	1.74E-13	0	0	0	0	1.074E-08	6.2817E-08	1.24E-07	8.26112E-14	0	5.07494E-14	0
795	570883.3	4178602	3.31, 41786	3.07425	4.49746	479.66242	287.53386	94.76169	103.00469	3.21958E-10	2.96E-12	3.25E-10	5.02E-08	1.89E-10	5.04E-08	9.92E-09	6.24E-11	9.99E-09	1E-13	3.03E-13	1.75E-13	0	0	0	0	1.083E-08	8.4038E-08	1.66E-07	8.33213E-14	0	5.11856E-14	0
796	571181.5	4178310	1.45, 41783	77.30582	13.12592	2585.53888	242.23364	872.95261	114.20023	8.09602E-09	8.64E-12	8.1E-09	2.71E-07	1.59E-10	2.71E-07	9.14E-08	5.74E-10	9.2E-08	2.5E-12	7.55E-12	4.37E-12	0	0	0	0	2.702E-07	4.5156E-07	1.53E-06	2.07835E-12	0	1.27676E-12	0
797	571067.8	4178207	7.83, 41782	5.36607	4.9243	895.65181	299.02694	223.56067	96.05921	5.61973E-10	3.24E-12	5.65E-10	9.38E-08	1.97E-10	9.4E-08	2.34E-08	1.47E-10	2.36E-08	1.74E-13	5.27E-13	3.05E-13	0	0	0	0	1.884E-08	1.5666E-07	3.93E-07	1.44943E-13	0	8.90406E-14	0
798	570799.9	4178447	9.89, 41784	4.88888	2.78293	732.83791	152.28075	142.77112	52.0733	5.11999E-10	1.83E-12	5.14E-10	7.67E-08	1.00E-10	7.68E-08	1.5E-08	9.40E-11	1.5E-08	1.59E-13	4.79E-13	2.77E-13	0	0	0	0	1.713E-08	1.2808E-07	2.51E-07	1.31766E-13	0	8.09458E-14	0
799	490186.7	3860535	6.72, 38605	0.00149		8.11608			1.15944	1.56044E-13	0.00E+00	1.56E-13	8.5E-10	0.00E+00	8.5E-10	0	0.00E+00	0	4.82E-17	1.45E-16	8.42E-17	0	0	0	0	5.201E-12	1.4166E-09	0	4.00155E-17	0	2.45822E-17	0

Table 1
CONSOLIDATED TABLE OF OEHHA/ARB APPROVED RISK ASSESSMENT HEALTH VALUES[a]

Substance	Chemical[b] Abstract Number	Noncancer Effects								Cancer Risk					
		Acute Inhalation $(\mu g/m^3)$	Date[c] Value Reviewed [Added]	8-Hour Inhalation $(\mu g/m^3)$	Date[c] Value Reviewed [Added]	Chronic Inhalation $(\mu g/m^3)$	Date[c] Value Reviewed [Added]	Chronic Oral (mg/kg-d)	Date[c] Value Reviewed [Added]	Inhalation[d] Unit Risk $(\mu g/m^3)^{-1}$	Inhalation[d] Cancer Potency Factor $(mg/kg\text{-}d)^{-1}$	Date[c] Value Reviewed [Added]	Oral Slope Factor $(mg/kg\text{-}d)^{-1}$	Date[c] Value Reviewed [Added]	M[e] W A F
ACETALDEHYDE	75-07-0	4.7E+02	12/08	3.0E+02	12/08	1.4E+02	12/08			2.7E-06	1.0E-02	4/99 [5/93]			1
ACETAMIDE	60-35-5									2.0E-05	7.0E-02	4/99			1
ACROLEIN	107-02-8	2.5E+00	12/08	7.0E-01	12/08	3.5E-01	12/08								1
ACRYLAMIDE	79-06-1									1.3E-03	4.5E+00	4/99 [7/90]			1
ACRYLIC ACID	79-10-7	6.0E+03	4/99												1
ACRYLONITRILE	107-13-1					5.0E+00	12/01			2.9E-04	1.0E+00	4/99 [1/91]			1
ALLYL CHLORIDE	107-05-1									6.0E-06	2.1E-02	4/99			1
2-AMINOANTHRAQUINONE	117-79-3									9.4E-06	3.3E-02	4/99			1
AMMONIA	7664-41-7	3.2E+03	4/99			2.0E+02	2/00								1
ANILINE	62-53-3									1.6E-06	5.7E-03	4/99			1
Aniline hydrochloride	*142-04-1*									*1.6E-06*	*5.7E-03*	*4/99 [8/22]*			*1*
ARSENIC AND COMPOUNDS (INORGANIC)^{TAC} [Including but not limited to: arsenic (inorganic oxides)]	7440-38-2 1016 [1015]	2.0E-01	12/08	1.5E-02	12/08	1.5E-02	12/08	3.5E-06	12/08	3.3E-03 TAC	1.2E+01	7/90	1.5E+00	10/00	1
Arsenic acid	*7778-39-4*	*2.0E-01*	*12/08 [8/22]*	*1.5E-02*	*12/08 [8/22]*	*1.5E-02*	*12/08 [8/22]*	*3.5E-06*	*12/08 [8/22]*	*3.3E-03* *TAC*	*1.2E+01*	*7/90 [8/22]*	*1.5E+00*	*10/00 [8/22]*	*0.5278*
Arsenic pentoxide	*1303-28-2*	*2.0E-01*	*12/08 [8/22]*	*1.5E-02*	*12/08 [8/22]*	*1.5E-02*	*12/08 [8/22]*	*3.5E-06*	*12/08 [8/22]*	*3.3E-03* *TAC*	*1.2E+01*	*7/90 [8/22]*	*1.5E+00*	*10/00 [8/22]*	*0.6519*
Arsenic trioxide	*1327-53-3*	*2.0E-01*	*12/08 [8/22]*	*1.5E-02*	*12/08 [8/22]*	*1.5E-02*	*12/08 [8/22]*	*3.5E-06*	*12/08 [8/22]*	*3.3E-03* *TAC*	*1.2E+01*	*7/90 [8/22]*	*1.5E+00*	*10/00 [8/22]*	*0.7574*
ARSINE	7784-42-1	2.0E-01	12/08	1.5E-02	12/08	1.5E-02	12/08								1
Calcium arsenate	*7778-44-1*	*2.0E-01*	*12/08 [8/22]*	*1.5E-02*	*12/08 [8/22]*	*1.5E-02*	*12/08 [8/22]*	*3.5E-06*	*12/08 [8/22]*	*3.3E-03* *TAC*	*1.2E+01*	*7/90 [8/22]*	*1.5E+00*	*10/00 [8/22]*	*0.3766*
Gallium arsenide	*1303-00-0*	*2.0E-01*	*12/08 [8/22]*	*1.5E-02*	*12/08 [8/22]*	*1.5E-02*	*12/08 [8/22]*	*3.5E-06*	*12/08 [8/22]*	*3.3E-03* *TAC*	*1.2E+01*	*7/90 [8/22]*	*1.5E+00*	*10/00 [8/22]*	*0.518*
ASBESTOS$^{TAC,\,f}$	1332-21-4									1.9E-04 TACf	2.2E+02	3/86			333.33
Actinolite	*77536-66-4*									*1.9E-04* *TACf*	*2.2E+02*	*3/86 [8/22]*			*333.33*
Amosite	*12172-73-5*									*1.9E-04* *TACf*	*2.2E+02*	*3/86 [8/22]*			*333.33*
Anthophyllite	*77536-67-5*									*1.9E-04* *TACf*	*2.2E+02*	*3/86 [8/22]*			*333.33*
Chrysotile	*12001-29-5*									*1.9E-04* *TACf*	*2.2E+02*	*3/86 [8/22]*			*333.33*
Crocidolite	*12001-28-4*									*1.9E-04* *TACf*	*2.2E+02*	*3/86 [8/22]*			*333.33*
Tremolite	*77536-68-6*									*1.9E-04* *TACf*	*2.2E+02*	*3/86 [8/22]*			*333.33*

Table 1
CONSOLIDATED TABLE OF OEHHA/ARB APPROVED RISK ASSESSMENT HEALTH VALUES[a]

		Noncancer Effects								Cancer Risk					
Substance	**Chemical[b] Abstract Number**	**Acute Inhalation (µg/m^3)**	**Date[c] Value Reviewed [Added]**	**8-Hour Inhalation (µg/m^3)**	**Date[c] Value Reviewed [Added]**	**Chronic Inhalation (µg/m^3)**	**Date[c] Value Reviewed [Added]**	**Chronic Oral (mg/kg-d)**	**Date[c] Value Reviewed [Added]**	**Inhalation[d] Unit Risk (µg/m^3)$^{-1}$**	**Inhalation[d] Cancer Potency Factor (mg/kg-d)$^{-1}$**	**Date[c] Value Reviewed [Added]**	**Oral Slope Factor (mg/kg-d)$^{-1}$**	**Date[c] Value Reviewed [Added]**	**M[e] W A F**
BENZENE^{TAC}	71-43-2	2.7E+01	6/14	3.0E+00	6/14	3.0E+00	6/14			2.9E-05^{TAC}	1.0E-01	1/85			1
BENZIDINE (AND ITS SALTS) *values also apply to:*	92-87-5									1.4E-01	5.0E+02	4/99 [1/91]			1
Benzidine based dyes	*1020*									*1.4E-01*	*5.0E+02*	*4/99 [1/91]*			*1*
C.I. Direct Blue 218 [PAH-Derivative/Related, POM]	*28407-37-6*									*1.4E-01*	*5.0E+02*	*4/99 [8/22]*			*1*
3,3'-Dimethylbenzidine dihydrochloride	*612-82-8*									*1.4E-01*	*5.0E+02*	*4/99 [8/22]*			*1*
Direct Black 38	*1937-37-7*									*1.4E-01*	*5.0E+02*	*4/99 [1/91]*			*1*
Direct Blue 6	*2602-46-2*									*1.4E-01*	*5.0E+02*	*4/99 [1/91]*			*1*
Direct Brown 95 (technical grade)	*16071-86-6*									*1.4E-01*	*5.0E+02*	*4/99 [1/91]*			*1*
BENZYL CHLORIDE	100-44-7	2.4E+02	4/99							4.9E-05	1.7E-01	4/99			1
BERYLLIUM AND COMPOUNDS	7440-41-7 [1021]					7.0E-03	12/01	2.0E-03	12/01	2.4E-03	8.4E+00	4/99 [7/90]			1
Beryllium sulfate	*13510-49-1*					*7.0E-03*	*12/01 [8/22]*	*2.0E-03*	*12/01 [8/22]*	*2.4E-03*	*8.4E+00*	*4/99 [8/22]*			*0.0857*
Beryllium sulfate (tetrahydrate)	*7787-56-6*					*7.0E-03*	*12/01 [8/22]*	*2.0E-03*	*12/01 [8/22]*	*2.4E-03*	*8.4E+00*	*4/99 [8/22]*			*0.0508*
Beryllium oxide	*1304-56-9*					*7.0E-03*	*12/01 [8/22]*	*2.0E-03*	*12/01 [8/22]*	*2.4E-03*	*8.4E+00*	*4/99 [8/22]*			*0.36*
BIS(2-CHLOROETHYL)ETHER (Dichloroethyl ether)	111-44-4									7.1E-04	2.5E+00	4/99			1
BIS(CHLOROMETHYL)ETHER	542-88-1									1.3E-02	4.6E+01	4/99 [1/91]			1
BROMINE AND COMPOUNDS	7726-95-6 [1040]														1
Bromate	*15541-45-4*									*1.4E-04*	*4.9E-01*	*4/99 [8/22]*			*0.6247*
POTASSIUM BROMATE	7758-01-2									1.4E-04	4.9E-01	4/99 [10/93]			1
1-BROMOPROPANE	106-94-5	3.3E+03	4/23	3.4E+00	4/23	1.7E+00	4/23			3.7E-6	1.3E-2	12/22			1
1,3-BUTADIENE^{TAC}	106-99-0	6.6E+02	7/13	9.0E+00	7/13	2.0E+00	7/13			1.7E-04$_{TAC}$	6.0E-01	7/92			1
CADMIUM AND COMPOUNDS^{TAC}	7440-43-9 [1045]					2.0E-02	1/01	5.0E-04	10/00	4.2E-03$_{TAC}$	1.5E+01	1/87			1
Cadmium chloride	*10108-64-2*					*2.0E-02*	*1/01 [8/22]*	*5.0E-04*	*10/00 [8/22]*	*4.2E-03*$_{TAC}$	*1.5E+01*	*1/87 [8/22]*			*0.6132*
Cadmium succinate	*141-00-4*					*2.0E-02*	*1/01 [8/22]*	*5.0E-04*	*10/00 [8/22]*	*4.2E-03*$_{TAC}$	*1.5E+01*	*1/87 [8/22]*			*0.4921*

Table 1
CONSOLIDATED TABLE OF OEHHA/ARB APPROVED RISK ASSESSMENT HEALTH VALUES[a]

		Noncancer Effects								Cancer Risk					
Substance	**Chemical[b] Abstract Number**	**Acute Inhalation (μg/m^3)**	**Date[c] Value Reviewed [Added]**	**8-Hour Inhalation (μg/m^3)**	**Date[c] Value Reviewed [Added]**	**Chronic Inhalation (μg/m^3)**	**Date[c] Value Reviewed [Added]**	**Chronic Oral (mg/kg-d)**	**Date[c] Value Reviewed [Added]**	**Inhalation[d] Unit Risk (μg/m^3)$^{-1}$**	**Inhalation[d] Cancer Potency Factor (mg/kg-d)$^{-1}$**	**Date[c] Value Reviewed [Added]**	**Oral Slope Factor (mg/kg-d)$^{-1}$**	**Date[c] Value Reviewed [Added]**	**M[e] WAF**
CAPROLACTAM	105-60-2	5.0E+01	10/13	7.0E+00	10/13	2.2E+00	10/13								1
CARBON DISULFIDE	75-15-0	6.2E+03	4/99			8.0E+02	5/02								1
CARBON MONOXIDE	630-08-0	2.3E+04	4/99												1
CARBON TETRACHLORIDE^{TAC} (Tetrachloromethane)	56-23-5	1.9E+03	4/99			4.0E+01	1/01			4.2E-05 TAC	1.5E-01	9/87			1
CARBONYL SULFIDE	463-58-1	6.6E+02	2/17	1.0E+01	2/17	1.0E+01	2/17								1
CHLORINATED PARAFFINS	108171-26-2									2.5E-05	8.9E-02	4/99			1
CHLORINE	7782-50-5	2.1E+02	4/99			2.0E-01	2/00								1
CHLORINE DIOXIDE	10049-04-4					6.0E-01	1/01								1
4-CHLORO-O-PHENYLENEDIAMINE	95-83-0									4.6E-06	1.6E-02	4/99			1
CHLOROBENZENE	108-90-7					1.0E+03	1/01								1
CHLOROFORM^{TAC}	67-66-3	1.5E+02	4/99			3.0E+02	4/00			5.3E-06 TAC	1.9E-02	12/90			1
Chlorophenols	*1060*														*1*
PENTACHLOROPHENOL	87-86-5									5.1E-06	1.8E-02	4/99			1
2,4,6-TRICHLOROPHENOL	88-06-2									2.0E-05	7.0E-02	4/99 [1/91]			1
CHLOROPICRIN	76-06-2	2.9E+01	4/99			4.0E-01	12/01								1
p-CHLORO-o-TOLUIDINE	95-69-2									7.7E-05	2.7E-01	4/99			1
1-CHLORO-4-(TRIFLUOROMETHYL)BENZENE {PCBTF}	98-56-6									8.6E-06	3.0E-02	8/20 [8/22]			1
CHROMIUM (III)	16065-83-1	4.8E-01	8/22	1.2E-01	8/22	6.0E-02	8/22								1
CHROMIUM 6+^{TAC} *values also apply to:*[g]	18540-29-9					2.0E-01	1/01	2.0E-02	10/00	1.5E-01 TAC	5.1E+02	1/86	5.0E-01	*1/14*	1
Barium chromate	*10294-40-3*					*2.0E-01*	*1/01*	*2.0E-02*	*10/00*	*1.5E-01 TAC*	*5.1E+02*	*1/86*	*5.0E-01*	*1/14*	*0.2053*
t-Butyl chromate(VI)	*1189-85-1*					*2.0E-01*	*1/01 [8/22]*	*2.0E-02*	*10/00 [8/22]*	*1.5E-01 TAC*	*5.1E+02*	*1/86 [8/22]*	*5.0E-01*	*1/14 [8/22]*	*0.2258*
Calcium chromate	*13765-19-0*					*2.0E-01*	*1/01*	*2.0E-02*	*10/00*	*1.5E-01 TAC*	*5.1E+02*	*1/86*	*5.0E-01*	*1/14*	*0.3332*
Lead chromate	*7758-97-6*					*2.0E-01*	*1/01*	*2.0E-02*	*10/00*	*1.5E-01 TAC*	*5.1E+02*	*1/86*	*5.0E-01*	*1/14*	*0.1609*
Sodium dichromate	*10588-01-9*					*2.0E-01*	*1/01*	*2.0E-02*	*10/00*	*1.5E-01 TAC*	*5.1E+02*	*1/86*	*5.0E-01*	*1/14*	*0.397*
Strontium chromate	*7789-06-2*					*2.0E-01*	*1/01*	*2.0E-02*	*10/00*	*1.5E-01 TAC*	*5.1E+02*	*1/86*	*5.0E-01*	*1/14*	*0.2554*
CHROMIUM TRIOXIDE (as chromic acid mist)	1333-82-0					2.0E-03	1/01	2.0E-02	10/00	1.5E-01 TAC	5.1E+02	1/86	5.0E-01	*1/14*	0.52
COBALT	7440-48-4									7.7E-3	2.7E+01	10/20			1
Cobalt compounds, insoluble, including but not limited to:	1216									7.7E-3	2.7E+01	10/20 [8/22]			1

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Substance	Chemical[b] Abstract Number	Noncancer Effects								Cancer Risk					
		Acute Inhalation ($\mu g/m^3$)	Date[c] Value Reviewed [Added]	8-Hour Inhalation ($\mu g/m^3$)	Date[c] Value Reviewed [Added]	Chronic Inhalation ($\mu g/m^3$)	Date[c] Value Reviewed [Added]	Chronic Oral (mg/kg-d)	Date[c] Value Reviewed [Added]	Inhalation[d] Unit Risk $(\mu g/m^3)^{-1}$	Inhalation[d] Cancer Potency Factor $(mg/kg\text{-}d)^{-1}$	Date[c] Value Reviewed [Added]	Oral Slope Factor $(mg/kg\text{-}d)^{-1}$	Date[c] Value Reviewed [Added]	M[e] W A F
COBALT CARBONATE	513-79-1									7.7E-3	2.7E+01	10/20 [8/22]			0.4955
COBALT CARBONYL	10210-68-1									7.7E-3	2.7E+01	10/20 [8/22]			0.3448
COBALT HYDROXIDE	21041-93-0									7.7E-3	2.7E+01	10/20 [8/22]			0.6341
COBALT OXALATE	814-89-1									7.7E-3	2.7E+01	10/20 [8/22]			0.3957
COBALT [II] OXIDE	1307-96-6									7.7E-3	2.7E+01	10/20 [8/22]			0.7865
COBALT [III] OXIDE	1308-06-1									7.7E-3	2.7E+01	10/20 [8/22]			0.7342
COBALT SULFIDE	1317-42-6									7.7E-3	2.7E+01	10/20 [8/22]			0.6481
Cobalt sulfate and other soluble cobalt compounds, including but not limited to:	1217									1.0E-02	3.5E+01	8/23 [8/22]			1
COBALT ACETATE (TETRAHYDRATE)	71-48-7									1.0E-02	3.5E+01	8/23 [8/22]			0.3331
COBALT CHLORIDE (HEXAHYDRATE)	7646-79-9									1.0E-02	3.5E+01	8/23 [8/22]			0.4539
COBALT HYDROCARBONYL	16842-03-8									1.0E-02	3.5E+01	8/23 [8/22]			0.3428
COBALT NITRATE (HEXAHYDRATE)	10141-05-6									1.0E-02	3.5E+01	8/23 [8/22]			0.3221
COBALT OCTOATE	136-52-7									1.0E-02	3.5E+01	8/23 [8/22]			0.1708
COBALT SULFATE	10124-43-3									1.0E-02	3.5E+01	8/23 [8/22]			0.3804
COBALT SULFATE (HEPTAHYDRATE)	10026-24-1									1.0E-02	3.5E+01	8/23 [8/22]			0.3804
COPPER AND COMPOUNDS [Including but not limited to: copper fume (as copper)]	7440-50-8 [1067]	1.0E+02	4/99												1
p-CRESIDINE	120-71-8									4.3E-05	1.5E-01	4/99			1
CRESOLS (mixtures of)	1319-77-3					6.0E+02	1/01								1
m-CRESOL	108-39-4					6.0E+02	1/01								1
o-CRESOL	95-48-7					6.0E+02	1/01								1
p-CRESOL	106-44-5					6.0E+02	1/01								1
CUPFERRON	135-20-6									6.3E-05	2.2E-01	4/99			1
Cyanide Compounds (inorganic)	*57-12-5* *1073*	*3.4E+02*	*4/99*			*9.0E+00*	*4/00*								*1*
Calcium cyanide	*592-01-8*	*3.4E+02*	*4/99 [8/22]*			*9.0E+00*	*4/00 [8/22]*								*1*

Table 1
CONSOLIDATED TABLE OF OEHHA/ARB APPROVED RISK ASSESSMENT HEALTH VALUES[a]

		Noncancer Effects								Cancer Risk					
Substance	Chemical[b] Abstract Number	Acute Inhalation (µg/m^3)	Date[c] Value Reviewed [Added]	8-Hour Inhalation (µg/m^3)	Date[c] Value Reviewed [Added]	Chronic Inhalation (µg/m^3)	Date[c] Value Reviewed [Added]	Chronic Oral (mg/kg-d)	Date[c] Value Reviewed [Added]	Inhalation[d] Unit Risk (µg/m^3)$^{-1}$	Inhalation[d] Cancer Potency Factor (mg/kg-d)$^{-1}$	Date[c] Value Reviewed [Added]	Oral Slope Factor (mg/kg-d)$^{-1}$	Date[c] Value Reviewed [Added]	M[e] W A F
HYDROGEN CYANIDE (Hydrocyanic acid)	74-90-8 *341972-31-4* *191234-22-7*	3.4E+02	4/99			9.0E+00	4/00								1
Potassium cyanide	*151-50-8*	*3.4E+02*	*4/99 [8/22]*			*9.0E+00*	*4/00 [8/22]*								*1*
Sodium cyanide	*143-33-9*	*3.4E+02*	*4/99 [8/22]*			*9.0E+00*	*4/00 [8/22]*								*1*
2,4-DIAMINOANISOLE	615-05-4									6.6E-06	2.3E-02	4/99			1
2,4-DIAMINOTOLUENE	95-80-7									1.1E-03	4.0E+00	4/99			1
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	96-12-8									2.0E-03	7.0E+00	4/99 [1/92]			1
p-DICHLOROBENZENE	106-46-7					8.0E+02	1/01			1.1E-05	4.0E-02	4/99 [1/91]			1
3,3-DICHLOROBENZIDINE	91-94-1									3.4E-04	1.2E+00	4/99 [1/91]			1
1,1,-DICHLOROETHANE (Ethylidene dichloride)	75-34-3									1.6E-06	5.7E-03	4/99			1
1,1-DICHLOROETHYLENE … (see Vinylidene Chloride)															
DI(2-ETHYLHEXYL)PHTHALATE (DEHP)	117-81-7									2.4E-06	8.4E-03	4/99 [1/92]	8.4E-03	10/00	1
DIESEL EXHAUST … (see Particulate Emissions from Diesel-Fueled Engines)															
DIETHANOLAMINE	111-42-2					3.0E+00	12/01								
p-DIMETHYLAMINOAZOBENZENE	60-11-7									1.3E-03	4.6E+00	4/99			1
N,N-DIMETHYL FORMAMIDE	68-12-2					8.0E+01	1/01								1
2,4-DINITROTOLUENE	121-14-2									8.9E-05	3.1E-01	4/99			1
2,4-Dinitrotoluene, sulfurized	*1326-41-6*									*8.9E-05*	*3.1E-01*	*4/99 [8/22]*			*1*
1,4-DIOXANE[i] (1,4-Diethylene dioxide)	123-91-1	3.0E+03	4/99			3.0E+03	4/00			7.7E-06	2.7E-02	4/99 [1/91]			1
EPICHLOROHYDRIN (1-Chloro-2,3-epoxypropane)	106-89-8	1.3E+03	4/99			3.0E+00	1/01			2.3E-05	8.0E-02	4/99 [1/92]			1
1,2-EPOXYBUTANE	106-88-7					2.0E+01	1/01								1
ETHYL BENZENE	100-41-4					2.0E+03	2/00			2.5E-06	8.7E-3	11/07			1
ETHYL CHLORIDE (Chloroethane)	75-00-3					3.0E+04	4/00								1
ETHYLENE DIBROMIDE^{TAC} (1,2-Dibromoethane)	106-93-4					8.0E-01	12/01			7.1E-05 TAC	2.5E-01	7/85			1
ETHYLENE DICHLORIDE^{TAC} (1,2-Dichloroethane)	107-06-2					4.0E+02	1/01			2.1E-05 TAC	7.2E-02	9/85			1
ETHYLENE GLYCOL	107-21-1					4.0E+02	4/00								1
ETHYLENE GLYCOL BUTYL ETHER … (see Glycol ethers)															

Table 1
CONSOLIDATED TABLE OF OEHHA/ARB APPROVED RISK ASSESSMENT HEALTH VALUES[a]

Substance	Chemical[b] Abstract Number	Noncancer Effects								Cancer Risk					
		Acute Inhalation (µg/m^3)	Date[c] Value Reviewed [Added]	8-Hour Inhalation (µg/m^3)	Date[c] Value Reviewed [Added]	Chronic Inhalation (µg/m^3)	Date[c] Value Reviewed [Added]	Chronic Oral (mg/kg-d)	Date[c] Value Reviewed [Added]	Inhalation[d] Unit Risk (µg/m^3)$^{-1}$	Inhalation[d] Cancer Potency Factor (mg/kg-d)$^{-1}$	Date[c] Value Reviewed [Added]	Oral Slope Factor (mg/kg-d)$^{-1}$	Date[c] Value Reviewed [Added]	M[e] W A F
ETHYLENE OXIDE^{TAC} (1,2-Epoxyethane)	75-21-8					3.0E+01	1/01			8.8E-05 TAC	3.1E-01	11/87			1
ETHYLENE THIOUREA	96-45-7									1.3E-05	4.5E-02	4/99			1
Fluorides and compounds	1101	*2.4E+02*	*4/99*			1.3E+01	8/03	4.0E-02	8/03						*1*
HYDROGEN FLUORIDE (Hydrofluoric acid)	7664-39-3	2.4E+02	4/99			1.4E+01	8/03	4.0E-02	8/03						1
Modified hydrogen fluoride {MHF}	*1141*	*2.4E+02*	*4/99 [8/22]*			*1.4E+01*	*8/03 [8/22]*	*4.0E-02*	*8/03 [8/22]*						*1*
Selenium hexafluoride	*7783-79-1*	*2.4E+02*	*4/99 [8/22]*			*1.4E+01*	*8/03 [8/22]*	*4.0E-02*	*8/03 [8/22]*						*0.5908*
Sodium aluminum fluoride	*15096-52-3*					*1.4E+01*	*8/03 [8/22]*	*4.0E-02*	*8/03 [8/22]*						*0.5429*
Sodium fluoride	*7681-49-4*					*1.4E+01*	*8/03 [8/22]*	*4.0E-02*	*8/03 [8/22]*						*0.4525*
FORMALDEHYDE^{TAC}	50-00-0	5.5E+01	12/08	9.0E+00	12/08	9.0E+00	12/08			6.0E-06 TAC	2.1E-02	3/92			1
GLUTARALDEHYDE	111-30-8					8.0E-02	1/01								1
GLYCOL ETHERS	1115														1
ETHYLENE GLYCOL BUTYL ETHER – EGBE	111-76-2	4.7E+03	5/18	1.64E+02	5/18	8.2E+01	5/18								1
ETHYLENE GLYCOL ETHYL ETHER – EGEE	110-80-5	3.7E+02	4/99[1/92]			7.0E+01	2/00								1
ETHYLENE GLYCOL ETHYL ETHER ACETATE – EGEEA	111-15-9	1.4E+02	4/99			3.0E+02	2/00								1
ETHYLENE GLYCOL METHYL ETHER – EGME	109-86-4	9.3E+01	4/99			6.0E+01	2/00								1
ETHYLENE GLYCOL METHYL ETHER ACETATE – EGMEA	110-49-6					9.0E+01	2/00								1
HEXACHLOROBENZENE	118-74-1									5.1E-04	1.8E+00	4/99 [1/91]			1
HEXACHLOROCYCLOHEXANES (mixed or technical grade)	608-73-1									1.1E-03	4.0E+00	4/99 [1/91]	4.0E+00	10/00 [1/92]	1
alpha-HEXACHLOROCYCLOHEXANE	319-84-6									1.1E-03	4.0E+00	4/99 [1/91]	4.0E+00	10/00 [1/92]	1
beta-HEXACHLOROCYCLOHEXANE	319-85-7									1.1E-03	4.0E+00	4/99 [1/91]	4.0E+00	10/00 [1/92]	1
gamma-HEXACHLOROCYCLOHEXANE (Lindane)	58-89-9									3.1E-04	1.1E+00	4/99	1.1E+00	10/00	1

Table 1
CONSOLIDATED TABLE OF OEHHA/ARB APPROVED RISK ASSESSMENT HEALTH VALUES[a]

Substance	Chemical[b] Abstract Number	Noncancer Effects								Cancer Risk					
		Acute Inhalation $(\mu g/m^3)$	Date[c] Value Reviewed [Added]	8-Hour Inhalation $(\mu g/m^3)$	Date[c] Value Reviewed [Added]	Chronic Inhalation $(\mu g/m^3)$	Date[c] Value Reviewed [Added]	Chronic Oral (mg/kg-d)	Date[c] Value Reviewed [Added]	Inhalation[d] Unit Risk $(\mu g/m^3)^{-1}$	Inhalation[d] Cancer Potency Factor $(mg/kg\text{-}d)^{-1}$	Date[c] Value Reviewed [Added]	Oral Slope Factor $(mg/kg\text{-}d)^{-1}$	Date[c] Value Reviewed [Added]	M[e] W A F
1,6-HEXAMETHYLENE DIISOCYANATE (monomer)[n]	822-06-0	0.3	9/19	0.06	9/19	0.03	9/19								1
n-HEXANE	110-54-3					7.0E+03	4/00								1
HYDRAZINE	302-01-2					2.0E-01	1/01			4.9E-03	1.7E+01	4/99 [7/90]			1
HYDROCHLORIC ACID (Hydrogen chloride)	7647-01-0	2.1E+03	4/99			9.0E+00	2/00								1
HYDROGEN BROMIDE … (see Bromine & Compounds)															
HYDROGEN CYANIDE … (see Cyanide & Compounds)															
HYDROGEN FLUORIDE … (see Fluorides & Compounds)															
HYDROGEN SELENIDE … (see Selenium & Compounds)															
HYDROGEN SULFIDE	7783-06-4	4.2E+01	4/99[7/90]			1.0E+01	4/00								1
ISOPHORONE	78-59-1					2.0E+03	12/01								
ISOPROPYL ALCOHOL (Isopropanol)	67-63-0	3.2E+03	4/99			7.0E+03	2/00								1
LEAD AND COMPOUNDS[TAC, h] (inorganic) *values also apply to:*	7439-92-1 1128 [1130]									1.2E-05 TAC	4.2E-02	4/97	8.5E-03	10/00	1
Lead acetate	*301-04-2*									*1.2E-05* *TAC*	*4.2E-02*	*4/97*	*8.5E-03*	*10/00*	*0.637*
Lead phosphate	*7446-27-7*									*1.2E-05* *TAC*	*4.2E-02*	*4/97*	*8.5E-03*	*10/00*	*0.7659*
Lead subacetate	*1335-32-6*									*1.2E-05* *TAC*	*4.2E-02*	*4/97*	*8.5E-03*	*10/00*	*0.7696*
LINDANE ... (see gamma-Hexachlorocyclohexane)															
MALEIC ANHYDRIDE	108-31-6					7.0E-01	12/01								1
MANGANESE AND COMPOUNDS	7439-96-5 [1132]			1.7E-01	12/08	9.0E-02	12/08								1
Manganese cyclopentadienyl tricarbonyl	*12079-65-1*			*1.7E-01*	*12/08* *[8/22]*	*9.0E-02*	*12/08* *[8/22]*								*0.2694*
2-Methylcyclopentadienyl manganese tricarbonyl	*12108-13-3*			*1.7E-01*	*12/08* *[8/22]*	*9.0E-02*	*12/08* *[8/22]*								*0.2521*
MERCURY AND COMPOUNDS (INORGANIC)	7439-97-6 [1133]	6.0E-01	12/08	6.0E-02	12/08	3.0E-02	12/08	1.6E-04	12/08						1
Mercuric chloride	*7487-94-7*	*6.0E-01*	*12/08*	*6.0E-02*	*12/08*	*3.0E-02*	*12/08*	*1.6E-04*	*12/08*						*1*
METHANOL	67-56-1	2.8E+04	4/99			4.0E+03	4/00								1
METHYL BROMIDE (Bromomethane)	74-83-9	3.9E+03	4/99			5.0E+00	2/00								1
METHYL tertiary-BUTYL ETHER	1634-04-4					8.0E+03	2/00			2.6E-07	1.8E-03	11/99			1

Table 1
CONSOLIDATED TABLE OF OEHHA/ARB APPROVED RISK ASSESSMENT HEALTH VALUES^{a}

		Noncancer Effects								Cancer Risk					
Substance	**Chemical^{b} Abstract Number**	**Acute Inhalation (µg/m^{3})**	**Date^{c} Value Reviewed [Added]**	**8-Hour Inhalation (µg/m^{3})**	**Date^{c} Value Reviewed [Added]**	**Chronic Inhalation (µg/m^{3})**	**Date^{c} Value Reviewed [Added]**	**Chronic Oral (mg/kg-d)**	**Date^{c} Value Reviewed [Added]**	**Inhalation^{d} Unit Risk (µg/m^{3})$^{-1}$**	**Inhalation^{d} Cancer Potency Factor (mg/kg-d)$^{-1}$**	**Date^{c} Value Reviewed [Added]**	**Oral Slope Factor (mg/kg-d)$^{-1}$**	**Date^{c} Value Reviewed [Added]**	**M^{e} W A F**
METHYL CHLOROFORM (1,1,1-Trichloroethane)	71-55-6	6.8E+04	4/99			1.0E+03	2/00								1
METHYL ETHYL KETONE (2-Butanone)	78-93-3	1.3E+04	4/99												1
METHYL ISOCYANATE	624-83-9					1.0E+00	12/01								1
4,4'-METHYLENE BIS (2-CHLOROANILINE) (MOCA)	101-14-4									4.3E-04	1.5E+00	4/99			1
METHYLENE CHLORIDE^{TAC} (Dichloromethane)	75-09-2	1.4E+04	4/99			4.0E+02	2/00			1.0E-06 TAC	3.5E-03	7/89			1
4,4'-METHYLENE DIANILINE (AND ITS DICHLORIDE)	101-77-9					2.0E+01	12/01			4.6E-04	1.6E+00	4/99	1.6E+00	10/00	1
METHYLENE DIPHENYL DIISOCYANATE	101-68-8	1.2E+01	3/16	1.6E-01	3/16	8.0E-02	3/16								1
MICHLER'S KETONE (4,4'-Bis(dimethylamino)benzophenone)	90-94-8									2.5E-04	8.6E-01	4/99			1
N-NITROSODI-n-BUTYLAMINE	924-16-3									3.1E-03	1.1E+01	4/99 [1/92]			1
N-NITROSODI-n-PROPYLAMINE	621-64-7									2.0E-03	7.0E+00	4/99 [1/91]			1
N-NITROSODIETHYLAMINE	55-18-5									1.0E-02	3.6E+01	4/99 [1/91]			1
N-NITROSODIMETHYLAMINE	62-75-9									4.6E-03	1.6E+01	4/99 [1/91]			1
N-NITROSODIPHENYLAMINE	86-30-6									2.6E-06	9.0E-03	4/99			1
N-NITROSO-N-METHYLETHYLAMINE	10595-95-6									6.3E-03	2.2E+01	4/99 [7/90]			1
N-NITROSOMORPHOLINE	59-89-2									1.9E-03	6.7E+00	4/99 [7/92]			1
N-NITROSOPIPERIDINE	100-75-4									2.7E-03	9.4E+00	4/99 [7/92]			1
N-NITROSOPYRROLIDINE	930-55-2									6.0E-04	2.1E+00	4/99 [7/90]			1
NAPHTHALENE … (see Polycyclic aromatic hydrocarbons)															
NICKEL AND COMPOUNDS^{TAC} *values also apply to:*	7440-02-0 [1145]	2.0E-01	3/12	6.0E-02	3/12	1.4E-02	3/12	1.1E-02	3/12	2.6E-04 TAC	9.1E-01	8/91			1
Nickel acetate	*373-02-4*	*2.0E-01*	*3/12*	*6.0E-02*	*3/12*	*1.4E-02*	*3/12*	*1.1E-02*	*3/12*	*2.6E-04* *TAC*	*9.1E-01*	*8/91*			*0.3321*
Nickel carbonate	*3333-67-3*	*2.0E-01*	*3/12*	*6.0E-02*	*3/12*	*1.4E-02*	*3/12*	*1.1E-02*	*3/12*	*2.6E-04* *TAC*	*9.1E-01*	*8/91*			*0.4945*
Nickel carbonyl	*13463-39-3*	*2.0E-01*	*3/12*	*6.0E-02*	*3/12*	*1.4E-02*	*3/12*	*1.1E-02*	*3/12*	*2.6E-04* *TAC*	*9.1E-01*	*8/91*			*0.3438*
Nickel chloride	*7718-54-9*	*2.0E-01*	*3/12 [8/22]*	*6.0E-02*	*3/12 [8/22]*	*1.4E-02*	*3/12 [8/22]*	*1.1E-02*	*3/12 [8/22]*	*2.6E-04* *TAC*	*9.1E-01*	*8/91 [8/22]*			*0.4529*

Table 1
CONSOLIDATED TABLE OF OEHHA/ARB APPROVED RISK ASSESSMENT HEALTH VALUES[a]

Substance	Chemical[b] Abstract Number	Noncancer Effects								Cancer Risk					
		Acute Inhalation ($\mu g/m^3$)	Date[c] Value Reviewed [Added]	8-Hour Inhalation ($\mu g/m^3$)	Date[c] Value Reviewed [Added]	Chronic Inhalation ($\mu g/m^3$)	Date[c] Value Reviewed [Added]	Chronic Oral (mg/kg-d)	Date[c] Value Reviewed [Added]	Inhalation[d] Unit Risk $(\mu g/m^3)^{-1}$	Inhalation[d] Cancer Potency Factor $(mg/kg\text{-}d)^{-1}$	Date[c] Value Reviewed [Added]	Oral Slope Factor $(mg/kg\text{-}d)^{-1}$	Date[c] Value Reviewed [Added]	M[e] W A F
Nickel hydroxide	*12054-48-7*	*2.0E-01*	*3/12*	*6.0E-02*	*3/12*	*1.4E-02*	*3/12*	*1.1E-02*	*3/12*	*2.6E-04* *TAC*	*9.1E-01*	*8/91*			*0.6332*
Nickel nitrate {Nickel (II) nitrate}	*13138-45-9*	*2.0E-01*	*3/12 [8/22]*	*6.0E-02*	*3/12 [8/22]*	*1.4E-02*	*3/12 [8/22]*	*1.1E-02*	*3/12 [8/22]*	*2.6E-04* *TAC*	*9.1E-01*	*8/91 [8/22]*			*0.3213*
Nickelocene	*1271-28-9*	*2.0E-01*	*3/12*	*6.0E-02*	*3/12*	*1.4E-02*	*3/12*	*1.1E-02*	*3/12*	*2.6E-04* *TAC*	*9.1E-01*	*8/91*			*0.4937*
NICKEL OXIDE	1313-99-1	2.0E-01	3/12	6.0E-02	3/12	2.0E-02	3/12	*1.1E-02*	*3/12*	*2.6E-04* *TAC*	*9.1E-01*	*8/91*			0.7859
Nickel refinery dust from the pyrometallurgical process	*1146*	*2.0E-01*	*3/12*	*6.0E-02*	*3/12*	*1.4E-02*	*3/12*	*1.1E-02*	*3/12*	*2.6E-04* *TAC*	*9.1E-01*	*8/91*			*1*
Nickel subsulfide	*12035-72-2*	*2.0E-01*	*3/12*	*6.0E-02*	*3/12*	*1.4E-02*	*3/12*	*1.1E-02*	*3/12*	*2.6E-04* *TAC*	*9.1E-01*	*8/91*			*0.2443*
Nickel sulfate	*7786-81-4*	*2.0E-01*	*3/12 [8/22]*	*6.0E-02*	*3/12 [8/22]*	*1.4E-02*	*3/12 [8/22]*	*1.1E-02*	*3/12 [8/22]*	*2.6E-04* *TAC*	*9.1E-01*	*8/91 [8/22]*			*0.3794*
NITRIC ACID	7697-37-2	8.6E+01	4/99												1
NITROGEN DIOXIDE	10102-44-0	4.7E+02	4/99[1/92]												1
p-NITROSODIPHENYLAMINE	156-10-5									6.3E-06	2.2E-02	4/99			1
OZONE	10028-15-6	1.8E+02	4/99[1/92]												1
PARTICULATE EMISSIONS FROM DIESEL-FUELED ENGINES$^{TAC,\ i}$	9901					5.0E+00 TAC	8/98			3.0E-04 TAC	1.1E+00	8/98			1
PENTACHLOROPHENOL ... (see Chlorophenols)															
PERCHLOROETHYLENE^{TAC} (Tetrachloroethylene)	127-18-4	2.0E+04	4/99			3.5E+01 TAC	10/91			6.1E-06 TAC	2.1E-02	10/91			1
PHENOL	108-95-2	5.8E+03	4/99			2.0E+02	4/00								1
PHOSGENE	75-44-5	4.0E+00	4/99												1
PHOSPHINE	7803-51-2					8.0E-01	9/02								1
PHOSPHORIC ACID	7664-38-2					7.0E+00	2/00								1
PHTHALIC ANHYDRIDE	85-44-9					2.0E+01	1/01								1
PCB (POLYCHLORINATED BIPHENYLS) (unspeciated mixture)[j]	1336-36-3									2.0E-05 [lowest risk] 1.1E-04 [low risk] 5.7E-04 [high risk]	7.0E-02 [lowest risk] 4.0E-01 [low risk] 2.0E+00 [high risk]	4/99	7.0E-02 [lowest risk] 4.0E-01 [low risk] 2.0E+00 [high risk]	10/00	1
PCB (POLYCHLORINATED BIPHENYLS (speciated)[k]															
3,3',4,4'-TETRACHLOROBIPHENYL (PCB 77)	32598-13-3					4.0E-01	8/03	1.0E-04	8/03	3.8E-03	1.3E+01	8/03	1.3E+01	8/03	1
3,4,4',5-TETRACHLOROBIPHENYL (PCB 81)	70362-50-4					1.3E-01	1/11	3.3E-05	1/11	1.1E-02	3.9E+01	1/11	3.9E+01	1/11	1

Table 1
CONSOLIDATED TABLE OF OEHHA/ARB APPROVED RISK ASSESSMENT HEALTH VALUES[a]

Substance	Chemical[b] Abstract Number	Noncancer Effects								Cancer Risk					
		Acute Inhalation (µg/m^3)	Date[c] Value Reviewed [Added]	8-Hour Inhalation (µg/m^3)	Date[c] Value Reviewed [Added]	Chronic Inhalation (µg/m^3)	Date[c] Value Reviewed [Added]	Chronic Oral (mg/kg-d)	Date[c] Value Reviewed [Added]	Inhalation[d] Unit Risk (µg/m^3)$^{-1}$	Inhalation[d] Cancer Potency Factor (mg/kg-d)$^{-1}$	Date[c] Value Reviewed [Added]	Oral Slope Factor (mg/kg-d)$^{-1}$	Date[c] Value Reviewed [Added]	M[e] W A F
2,3,3',4,4'-PENTACHLOROBIPHENYL (PCB 105)	32598-14-4					1.3E+00	1/11	3.3E-04	1/11	1.1E-03	3.9E+00	1/11	3.9E+00	1/11	1
2,3,4,4',5-PENTACHLOROBIPHENYL (PCB 114)	74472-37-0					1.3E+00	1/11	3.3E-04	1/11	1.1E-03	3.9E+00	1/11	3.9E+00	1/11	1
2,3',4,4',5-PENTACHLOROBIPHENYL (PCB 118)	31508-00-6					1.3E+00	1/11	3.3E-04	1/11	1.1E-03	3.9E+00	1/11	3.9E+00	1/11	1
2,3',4,4',5'-PENTACHLOROBIPHENYL (PCB 123)	65510-44-3					1.3E+00	1/11	3.3E-04	1/11	1.1E-03	3.9E+00	1/11	3.9E+00	1/11	1
3,3',4,4',5-PENTACHLOROBIPHENYL (PCB 126)	57465-28-8					4.0E-04	8/03	1.0E-07	8/03	3.8E+00	1.3E+04	8/03	1.3E+04	8/03	1
2,3,3',4,4',5-HEXACHLOROBIPHENYL (PCB 156)	38380-08-4					1.3E+00	1/11	3.3E-04	1/11	1.1E-03	3.9E+00	1/11	3.9E+00	1/11	1
2,3,3',4,4',5'-HEXACHLOROBIPHENYL (PCB 157)	69782-90-7					1.3E+00	1/11	3.3E-04	1/11	1.1E-03	3.9E+00	1/11	3.9E+00	1/11	1
2,3',4,4',5,5'-HEXACHLOROBIPHENYL (PCB 167)	52663-72-6					1.3E+00	1/11	3.3E-04	1/11	1.1E-03	3.9E+00	1/11	3.9E+00	1/11	1
3,3',4,4',5,5'-HEXACHLOROBIPHENYL (PCB 169)	32774-16-6					1.3E-03	1/11	3.3E-07	1/11	1.1E+00	3.9E+03	1/11	3.9E+03	1/11	1
2,3,3',4,4',5,5'-HEPTACHLOROBIPHENYL (PCB 189)	39635-31-9					1.3E+00	1/11	3.3E-04	1/11	1.1E-03	3.9E+00	1/11	3.9E+00	1/11	1
POLYCHLORINATED DIBENZO-*P*-DIOXINS (PCDD) (Treated as 2,3,7,8-TCDD for HRA)[TAC, k]	1085 1086					4.0E-05	2/00	1.0E-08	10/00	3.8E+01 TAC	1.3E+05	8/86	1.3E+05 TAC	8/86	1
2,3,7,8-TETRACHLORODIBENZO-*P*-DIOXIN[TAC]	1746-01-6					4.0E-05	2/00	1.0E-08	10/00	3.8E+01 TAC	1.3E+05	8/86	1.3E+05 TAC	8/86	1
1,2,3,7,8-PENTACHLORODIBENZO-*P*-DIOXIN	40321-76-4					4.0E-05	8/03	1.0E-08	8/03	3.8E+01	1.3E+05	8/03	1.3E+05	8/03	1
1,2,3,4,7,8-HEXACHLORODIBENZO-*P*-DIOXIN	39227-28-6					4.0E-04	2/00	1.0E-07	10/00	3.8E+00	1.3E+04	4/99	1.3E+04	10/00	1
1,2,3,6,7,8-HEXACHLORODIBENZO-*P*-DIOXIN	57653-85-7					4.0E-04	2/00	1.0E-07	10/00	3.8E+00	1.3E+04	4/99	1.3E+04	10/00	1
1,2,3,7,8,9-HEXACHLORODIBENZO-*P*-DIOXIN	19408-74-3					4.0E-04	2/00	1.0E-07	10/00	3.8E+00	1.3E+04	4/99	1.3E+04	10/00	1

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Substance	Chemical[b] Abstract Number	Noncancer Effects								Cancer Risk					
		Acute Inhalation $(\mu g/m^3)$	Date[c] Value Reviewed [Added]	8-Hour Inhalation $(\mu g/m^3)$	Date[c] Value Reviewed [Added]	Chronic Inhalation $(\mu g/m^3)$	Date[c] Value Reviewed [Added]	Chronic Oral (mg/kg-d)	Date[c] Value Reviewed [Added]	Inhalation[d] Unit Risk $(\mu g/m^3)^{-1}$	Inhalation[d] Cancer Potency Factor $(mg/kg\text{-}d)^{-1}$	Date[c] Value Reviewed [Added]	Oral Slope Factor $(mg/kg\text{-}d)^{-1}$	Date[c] Value Reviewed [Added]	M[e] W A F
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-*P*-DIOXIN	35822-46-9					4.0E-03	2/00	1.0E-06	10/00	3.8E-01	1.3E+03	4/99	1.3E+03	10/00	1
1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-*P*-DIOXIN	3268-87-9					1.3E-01	1/11	3.3E-05	1/11	1.1E-02	3.9E+01	1/11	3.9E+01	1/11	1
POLYCHLORINATED DIBENZOFURANS (PCDF)[TAC, k] (Treated as 2,3,7,8-TCDD for HRA)	1080					4.0E-05	2/00	1.0E-08	10/00	3.8E+01 TAC	1.3E+05	8/86	1.3E+05 TAC	8/86	1
2,3,7,8-TETRACHLORODIBENZOFURAN	5120-73-19					4.0E-04	2/00	1.0E-07	10/00	3.8E+00	1.3E+04	4/99	1.3E+04	10/00	1
1,2,3,7,8-PENTACHLORODIBENZOFURAN	57117-41-6					1.3E-03	1/11	3.3E-07	1/11	1.1E+00	3.9E +03	1/11	3.9E +03	1/11	1
2,3,4,7,8-PENTACHLORODIBENZOFURAN	57117-31-4					1.3E-04	1/11	3.3E-08	1/11	1.1E+01	3.9E +04	1/11	3.9E +04	1/11	1
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	70648-26-9					4.0E-04	2/00	1.0E-07	10/00	3.8E+00	1.3E+04	4/99	1.3E+04	10/00	1
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	57117-44-9					4.0E-04	2/00	1.0E-07	10/00	3.8E+00	1.3E+04	4/99	1.3E+04	10/00	1
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	72918-21-9					4.0E-04	2/00	1.0E-07	10/00	3.8E+00	1.3E+04	4/99	1.3E+04	10/00	1
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	60851-34-5					4.0E-04	2/00	1.0E-07	10/00	3.8E+00	1.3E+04	4/99	1.3E+04	10/00	1
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	67562-39-4					4.0E-03	2/00	1.0E-06	10/00	3.8E-01	1.3E+03	4/99	1.3E+03	10/00	1
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	55673-89-7					4.0E-03	2/00	1.0E-06	10/00	3.8E-01	1.3E+03	4/99	1.3E+03	10/00	1
1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	39001-02-0					1.3E-01	1/11	3.3E-05	1/11	1.1E-02	3.9E +01	1/11	3.9E +01	1/11	1
POLYCYCLIC AROMATIC HYDROCARBON (PAH)[l] [Treated as B(a)P for HRA][l]	1150 1151									1.1E-03	3.9E+00	4/99 [4/94]	1.2E+01	10/00 [4/94]	1
BENZ(A)ANTHRACENE[l]	56-55-3									1.1E-04	3.9E-01	4/99 [4/94]	1.2E+00	10/00 [4/94]	1
BENZO(A)PYRENE[l]	50-32-8									1.1E-03	3.9E+00	4/99 [4/94]	1.2E+01	10/00 [4/94]	1
BENZO(B)FLUORANTHENE[l]	205-99-2									1.1E-04	3.9E-01	4/99 [4/94]	1.2E+00	10/00 [4/94]	1
BENZO(J)FLUORANTHENE[l]	205-82-3									1.1E-04	3.9E-01	4/99 [4/94]	1.2E+00	10/00 [4/94]	1
BENZO(K)FLUORANTHENE[l]	207-08-9									1.1E-04	3.9E-01	4/99 [4/94]	1.2E+00	10/00 [4/94]	1
CHRYSENE[l]	218-01-9									1.1E-05	3.9E-02	4/99 [4/94]	1.2E-01	10/00 [4/94]	1

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Substance	Chemical[b] Abstract Number	Noncancer Effects								Cancer Risk					
		Acute Inhalation ($\mu g/m^3$)	Date[c] Value Reviewed [Added]	8-Hour Inhalation ($\mu g/m^3$)	Date[c] Value Reviewed [Added]	Chronic Inhalation ($\mu g/m^3$)	Date[c] Value Reviewed [Added]	Chronic Oral (mg/kg-d)	Date[c] Value Reviewed [Added]	Inhalation[d] Unit Risk $(\mu g/m^3)^{-1}$	Inhalation[d] Cancer Potency Factor $(mg/kg\text{-}d)^{-1}$	Date[c] Value Reviewed [Added]	Oral Slope Factor $(mg/kg\text{-}d)^{-1}$	Date[c] Value Reviewed [Added]	M[e] W A F
DIBENZ(A,H)ACRIDINE[l]	226-36-8									1.1E-04	3.9E-01	4/99 [4/94]	1.2E+00	10/00 [4/94]	1
DIBENZ(A,H)ANTHRACENE[l]	53-70-3									1.2E-03	4.1E+00	4/99 [4/94]	4.1E+00	10/00 [4/94]	1
DIBENZ(A,J)ACRIDINE[l]	224-42-0									1.1E-04	3.9E-01	4/99 [4/94]	1.2E+00	10/00 [4/94]	1
DIBENZO(A,E)PYRENE[l]	192-65-4									1.1E-03	3.9E+00	4/99 [4/94]	1.2E+01	10/00 [4/94]	1
DIBENZO(A,H)PYRENE[l]	189-64-0									1.1E-02	3.9E+01	4/99 [4/94]	1.2E+02	10/00 [4/94]	1
DIBENZO(A,I)PYRENE[l]	189-55-9									1.1E-02	3.9E+01	4/99 [4/94]	1.2E+02	10/00 [4/94]	1
DIBENZO(A,L)PYRENE[l]	191-30-0									1.1E-02	3.9E+01	4/99 [4/94]	1.2E+02	10/00 [4/94]	1
7H-DIBENZO(C,G)CARBAZOLE[l]	194-59-2									1.1E-03	3.9E+00	4/99 [4/94]	1.2E+01	10/00 [4/94]	1
7,12-DIMETHYLBENZ(A)ANTHRACENE[l]	57-97-6									7.1E-02	2.5E+02	4/99 [4/94]	2.5E+02	10/00 [4/94]	1
1,6-DINITROPYRENE[l]	42397-64-8									1.1E-02	3.9E+01	4/99 [4/94]	1.2E+02	10/00 [4/94]	1
1,8-DINITROPYRENE[l]	42397-65-9									1.1E-03	3.9E+00	4/99 [4/94]	1.2E+01	10/00 [4/94]	1
INDENO(1,2,3-C,D)PYRENE[l]	193-39-5									1.1E-04	3.9E-01	4/99 [4/94]	1.2E+00	10/00 [4/94]	1
3-METHYLCHOLANTHRENE[l]	56-49-5									6.3E-03	2.2E+01	4/99 [4/94]	2.2E+01	10/00 [4/94]	1
5-METHYLCHRYSENE[l]	3697-24-3									1.1E-03	3.9E+00	4/99 [4/94]	1.2E+01	10/00 [4/94]	1
NAPHTHALENE	91-20-3					9.0E+00	4/00			3.4E-05	1.2E-01	8/04			1
5-NITROACENAPHTHENE[l]	602-87-9									3.7E-05	1.3E-01	4/99 [4/94]	1.3E-01	10/00 [4/94]	1
6-NITROCHRYSENE[l]	7496-02-8									1.1E-02	3.9E+01	4/99 [4/94]	1.2E+02	10/00 [4/94]	1
2-NITROFLUORENE[l]	607-57-8									1.1E-05	3.9E-02	4/99 [4/94]	1.2E-01	10/00 [4/94]	1
1-NITROPYRENE[l]	5522-43-0									1.1E-04	3.9E-01	4/99 [4/94]	1.2E+00	10/00 [4/94]	1
4-NITROPYRENE[l]	57835-92-4									1.1E-04	3.9E-01	4/99 [4/94]	1.2E+00	10/00 [4/94]	1
POLYMERIC (OLIGO) HEXAMETHYLENE-1,6-DIISOCYANATE (HDI)	1221	4.5E+00	9/19 [8/22]	8.0E-01	9/19 [8/22]	4.0E-01	9/19 [8/22]								1
BIURET	108-19-0	4.5E+00	9/19 [8/22]	8.0E-01	9/19 [8/22]	4.0E-01	9/19 [8/22]								1

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Substance	Chemical[b] Abstract Number	Noncancer Effects								Cancer Risk					
		Acute Inhalation (μg/m^3)	Date[c] Value Reviewed [Added]	8-Hour Inhalation (μg/m^3)	Date[c] Value Reviewed [Added]	Chronic Inhalation (μg/m^3)	Date[c] Value Reviewed [Added]	Chronic Oral (mg/kg-d)	Date[c] Value Reviewed [Added]	Inhalation[d] Unit Risk (μg/m^3)$^{-1}$	Inhalation[d] Cancer Potency Factor (mg/kg-d)$^{-1}$	Date[c] Value Reviewed [Added]	Oral Slope Factor (mg/kg-d)$^{-1}$	Date[c] Value Reviewed [Added]	M[e] W A F
DIISOCYANURATE	1226	4.5E+00	9/19 [8/22]	8.0E-01	9/19 [8/22]	4.0E-01	9/19 [8/22]								1
HDI PREPOLYMER	1227	4.5E+00	9/19 [8/22]	8.0E-01	9/19 [8/22]	4.0E-01	9/19 [8/22]								1
ISOCYANURATE	1228	4.5E+00	9/19 [8/22]	8.0E-01	9/19 [8/22]	4.0E-01	9/19 [8/22]								1
URETDIONE (HDI) {URETIDONE}	23501-81-7	4.5E+00	9/19 [8/22]	8.0E-01	9/19 [8/22]	4.0E-01	9/19 [8/22]								1
POTASSIUM BROMATE.... ... (see Bromine & Compounds)															1
1,3-PROPANE SULTONE	1120-71-4									6.9E-04	2.4E+00	4/99			1
PROPYLENE (PROPENE)	115-07-1					3.0E+03	4/00								1
PROPYLENE GLYCOL MONOMETHYL ETHER	107-98-2					7.0E+03	2/00								1
PROPYLENE OXIDE	75-56-9	3.1E+03	4/99			3.0E+01	2/00			3.7E-06	1.3E-02	4/99 [7/90]			1
SELENIUM AND COMPOUNDS^{m}	7782-49-2 [1170]					2.0E+01	12/01	5.0E-03	12/01						1
HYDROGEN SELENIDE	7783-07-5	5.0E+00	4/99												1
Selenium sulfide	*7446-34-6*					*2.0E+01*	*12/01*	*5.0E-03*	*12/01*						*1*
Selenium hexafluoride see Fluorides and Compounds															
SILICA [CRYSTALLINE, RESPIRABLE]	1175					3.0E+00	2/05								1
Silica, crystalline (respirable), in the form of cristobalite	*14464-46-1*					*3.0E+00*	*2/05 [8/22]*								*1*
Silica, crystalline (respirable), in the form of quartz	*14808-60-7*					*3.0E+00*	*2/05 [8/22]*								*1*
SODIUM HYDROXIDE	1310-73-2	8.0E+00	4/99												1
STYRENE	100-42-5	2.1E+04	4/99			9.0E+02	4/00								1
SULFATES	9960	1.2E+02	4/99												1
SULFUR DIOXIDE	7446-09-5	6.6E+02	4/99 [1/92]												1
SULFURIC ACID	7664-93-9	1.2E+02	4/99			1.0E+00	12/01								1
SULFUR TRIOXIDE	*7446-71-9*	*1.2E+02*	*4/99*			*1.0E+00*	*12/01*								*1*
OLEUM	8014-95-7	1.2E+02	4/99												1
TERTIARY-BUTYL-ACETATE (TBAc)	540-88-5									1.3E-06	4.7E-03	8/18	5.0E-03	8/18	1
1,1,2,2-TETRACHLOROETHANE	79-34-5									5.8E-05	2.0E-01	4/99			1
TETRACHLOROPHENOLS ... (see Chlorophenols)															
2,4,5-TRICHLOROPHENOL ... (see Chlorophenols)															
2,4,6-TRICHLOROPHENOL ... (see Chlorophenols)															
THIOACETAMIDE	62-55-5									1.7E-03	6.1E+00	4/99			1

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TOLUENE	108-88-3	5.0E+03	8/20	8.3E+02	8/20	4.2E+02	8/20								1
Toluene diisocyantates	*26471-62-5*	*2.0E+00*	*3/16*	*1.5E-02*	*3/16*	*8.0E-03*	*3/16*			*1.1E-05*	*3.9E-02*	*4/99*			*1*
TOLUENE-2,4-DIISOCYANATE	584-84-9	*2.0E+00*	3/16	1.5E-02	3/16	8.0E-03	3/16			1.1E-05	3.9E-02	4/99			1
TOLUENE-2,6-DIISOCYANATE	91-08-7	*2.0E+00*	3/16	1.5E-02	3/16	8.0E-03	3/16			1.1E-05	3.9E-02	4/99			1
1,1,2-TRICHLOROETHANE (Vinyl trichloride)	79-00-5									1.6E-05	5.7E-02	4/99			1
TRICHLOROETHYLENE[TAC]	79-01-6					6.0E+02	4/00			2.0E-06 TAC	7.0E-03	10/90			1
TRIETHYLAMINE	121-44-8	2.8E+03	4/99			2.0E+02	9/02								1
TRIMETHYLBENZENES	25551-13-7	2.4E+03	10/23	8.0E+00	10/23	4.0E+00	10/23								1
1,2,3-TRIMETHYLBENZENE	526-73-8	2.4E+03	10/23	8.0E+00	10/23	4.0E+00	10/23								1
1,2,4-TRIMETHYLBENZENE	95-63-6	2.4E+03	10/23	8.0E+00	10/23	4.0E+00	10/23								1
1,3,5-TRIMETHYLBENZENE	108-67-8	2.4E+03	10/23	8.0E+00	10/23	4.0E+00	10/23								1
URETHANE (Ethyl carbamate)	51-79-6									2.9E-04	1.0E+00	4/99 [7/90]			1
Vanadium Compounds	*N/A*														*1*
Vanadium (fume or dust)	*7440-62-2*	*3.0E+01*	*4/99*												*1*
VANADIUM PENTOXIDE	1314-62-1	3.0E+01	4/99												1
VINYL ACETATE	108-05-4					2.0E+02	12/01								1
VINYL CHLORIDE[TAC] (Chloroethylene)	75-01-4	1.8E+05	4/99							7.8E-05 TAC	2.7E-01	12/90			1
VINYLIDENE CHLORIDE (1,1-Dichloroethylene)	75-35-4					7.0E+01	1/01								1
XYLENES (mixed isomers)	1330-20-7	2.2E+04	4/99			7.0E+02	4/00								1
m-XYLENE	108-38-3	2.2E+04	4/99			7.0E+02	4/00								1
o-XYLENE	95-47-6	2.2E+04	4/99			7.0E+02	4/00								1
p-XYLENE	106-42-3	2.2E+04	4/99			7.0E+02	4/00								1

Table 1
CONSOLIDATED TABLE OF OEHHA/ARB APPROVED RISK ASSESSMENT HEALTH VALUES[a]

Purpose:	The purpose of this reference table is to provide a quick list of all health values that have been approved by the Office of Environmental Health Hazard Assessment (OEHHA) and the Air Resources Board (ARB) for use in facility health risk assessments conducted for the AB 2588 Air Toxics "Hot Spots" Program. The OEHHA has developed and adopted new risk assessment guidelines that update and replace the California Air Pollution Control Officers Association's (CAPCOA) *Air Toxics "Hot Spots" Program Revised 1992 Risk Assessment Guidelines, October 1993*. The OEHHA has adopted three technical support documents for these guidelines, which can be found on their website (http://www.oehha.ca.gov/air/hot_spots/index.html). This table lists the OEHHA adopted inhalation and oral cancer slope factors, noncancer acute Reference Exposure Levels (RELs), and inhalation and oral noncancer chronic RELs. OEHHA is still in the process of adopting new health values. Therefore, new health values will periodically be added to, or deleted from, this table. Users of this table are advised to monitor the OEHHA website (*www.oehha.ca.gov*) for any updates to the health values. May 2008 update: The Air Resources Board adopted amendments to the AB 2588 Air Toxics "Hot Spots" Emission Inventory Criteria and Guidelines Regulation (Title 17, California Code of Regulations, Section 93300.5) on November 16, 2006. The amendments became effective on September 26, 2007, after approval from the Office of Administrative Law. Under the new amendments, the substances previously listed in Appendix A-I *(Substances for Which Emissions Must Be Quantified*) and Appendix F (*Criteria For Inputs For Risk Assessment Using Screening Air Dispersion Modeling*) of the ARB's *Air Toxics "Hot Spots" Emission Inventory Criteria and Guidelines (EICG) (July 1997)* have been removed from this table. September 2022 update: The Air Resources Board adopted amendments to the AB 2588 Air Toxics "Hot Spots" Emission Inventory Criteria and Guidelines Regulation (Title 17, California Code of Regulations, Section 93300.5) on November 19, 2020. The amendments became effective on March 21, 2022, after approval from the Office of Administrative Law. Under the new amendments a number of pollutants were added to Appendix A-1: *Substances for Which Emissions Must be Quantified*. OEHHA was consulted to determine which existing health values may be applied to these new pollutants. OEHHA applied health values to 61 pollutants. OEHHA also helped determine the appropriate MWAF, if applicable. NOTE ON REPORTING UNDER HOT SPOTS PROGRAM: New chemicals that are reported by a facility due to being covered by one of the chemical "functional group" definitions, which are shown at the end of EICG Appendix A-I (i.e., the functional groups related to isocyanates, halogenated PAHs, and certain types of per/poly fluorinated compounds), should be discussed with CARB and/or OEHHA to determine whether an OEHHA health value may apply to them.
a	The *italic* font used in this table is designed to clarify applicability of OEHHA adopted health effects values to individual or grouped substances listed in the *Air Toxics "Hot Spots" Emission Inventory Criteria and Guidelines*, Appendix A-I list of *"Substances for Which Emissions Must Be Quantified"*.
b	Chemical Abstract Service Number (CAS): For chemical groupings and mixtures where a CAS number is not applicable, the 4-digit code used in the *Air Toxics "Hot Spots" Emission Inventory Criteria and Guidelines (EICG) Report* is listed. The 4-digit codes enclosed in brackets [ ] are codes that have been phased out, but may still appear on previously reported Hot Spots emissions. For information on the origin and use of the 4-digit code, see the EICG report. (https://ww2.arb.ca.gov/our-work/programs/ab-2588-air-toxics-hot-spots/hot-spots-inventory-guidelines)

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c Date Value Reviewed [Added]: These columns list the date that the health value was last reviewed by OEHHA, and/or the Scientific Review Panel, and/or approved for use in the AB 2588 Air Toxics "Hot Spots" Program

- If the health value is unchanged since it was first approved for use in the Hot Spots Program, then the date that the value was first approved for use by CAPCOA is listed within the brackets [ ].
- April 1999 is listed for the cancer potency values and noncancer acute RELs, which have been adopted by the OEHHA as part of the AB 2588 Hot Spot Risk Assessment Guidelines.
- February 2000, April 2000, January 2001, and December 2001 are listed for the first set of 22, the second set of 16, the third set of 22, and the fourth set of 12 noncancer chronic RELs, respectively. The chronic REL for carbon disulfide was adopted in May 2002. Chronic RELs for phosphine and triethylamine were adopted in September 2002. Chronic RELs for fluorides including hydrogen fluoride were adopted August 2003. Chronic REL for silica [crystalline respirable] was adopted February 2005.
- October 2000 is listed for the oral chronic RELs and oral cancer slope factors.
- Cancer potency value adopted for naphthalene in August 2004. The inhalation and oral cancer potency values for ethyl benzene were adopted in November 2007.
- For the substances identified as Toxic Air Contaminants, the Air Resources Board hearing date is listed. The dates for acetaldehyde, benzo[a]pyrene, and methyl tertiary-butyl ether represent the dates the values were approved by the Scientific Review Panel.
- On December 19, 2008, OEHHA adopted new acute, 8-hour, and chronic RELs for acetaldehyde, acrolein, arsenic, formaldehyde, manganese, and mercury. The most current health values can be found at: http://www.oehha.ca.gov/air/allrels.html.

Note: 1. We present the new oral RELs only in milligrams per kilogram-day (mg/kg-d), although OEHHA has presented them in other tables in either micrograms per kilogram-day (μg/kg-d) or milligrams per kilogram-day.

2. All acute RELs use a 1-hour averaging period (OEHHA, 2008). RELs which were developed using earlier guidelines and specified a different averaging time are unchanged in concentration value, but now refer to the 1-hour averaging period. As of August 1, 2013, the affected chemicals are: benzene, carbon disulfide, carbon tetrachloride, chloroform, ethylene glycol monoethyl ether, ethylene glycol monoethyl ether acetate, and ethylene glycol monomethyl ether: These may be replaced by updated RELs following the OEHHA (2008) guidelines in due course.

3. At OEHHA's direction, the chronic oral REL for arsenic does not apply to arsine because arsine is a gas and not particle associated.

- OEHHA's adoption of the World Health Organization's 2005 Toxicity Equivalency Factors for polychlorinated dibenzo-p-dioxins (PCDDs), dibenzofurans (PCDFs), and dioxin-like polychlorinated biphenyls (PCBs) occurred in January 2011. See Appendix C of OEHHA's *Air Toxics Hot Spots Program Technical Support Document for Cancer Potencies* at https://oehha.ca.gov/air/crnr/technical-support-document-cancer-potency-factors-2009 for more information.
- On March 23, 2012, OEHHA adopted revised acute, 8-hour and chronic RELs for nickel and nickel compounds. The values of the RELs are listed in the table at: http://www.oehha.ca.gov/air/chronic_rels/032312CREL.html.
- On July 29, 2013, OEHHA adopted an acute and 8-hour REL, and a revised chronic REL for 1,3-butadiene. The REL values and summary can be found online at: http://www.oehha.ca.gov/air/hot_spots/index.html.
- On October 18, 2013, the following changes were made to the Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values:
  - OEHHA adopted acute, 8-hour, and chronic RELs for caprolactam. The REL values and summary can be found at: https://oehha.ca.gov/media/downloads/crnr/caprolactam2013.pdf.
  - Changes have been made to target organs to the following substances with no change to health factors: Chloroform, Diethanolamine, Fluorides and Hydrogen Fluoride, Methylene Chloride, Styrene, Xylenes. The "date added" in this table reflects the date of the health factor only.
- On June 27, 2014, OEHHA adopted a new 8-hour REL and revised acute and chronic RELs for benzene. The REL values and summary can be found at: http://www.oehha.ca.gov/air/chronic_rels/BenzeneJune2014.html.
- On March 28, 2016, OEHHA adopted new and revised RELs for toluene diisocyanate (TDI) and methylene diphenyl diisocyanate (MDI). The REL values and summaries can be found at: http://www.oehha.ca.gov/air/chronic_rels/032816TDI_MDI_RELs.html. On March 30, 2016, the name of MDI was changed from methylene diphenyl isocyanate to a more accurate name: methylene diphenyl diisocyanate.
- On September 8, 2016, OEHHA adopted an updated inhalation cancer unit risk factor (URF) for perchloroethylene (PCE or tetrachloroethylene). The updated URF and summary can be found at: http://oehha.ca.gov/air/crnr/notice-adoption-inhalation-cancer-unit-risk-factor-perchloroethylene.

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	• On February 21, 2017, OEHHA adopted new acute, 8-hour, and chronic inhalation RELs for carbonyl sulfide. The REL values and summary can be found at: http://oehha.ca.gov/air/crnr/notice-adoption-reference-exposure-levels-carbonyl-sulfide. • On May 4, 2018, OEHHA adopted new 8-hour and chronic inhalation REL, and a revised acute REL for ethylene glycol butyl ether. The REL values and summary can be found at: https://oehha.ca.gov/air/chemicals/ethylene-glycol-monobutyl-ether. • On August 16, 2018, OEHHA adopted an inhalation URF, inhalation cancer potency factor, and oral cancer potency factor for tertiary-butyl acetate (TBAc). Although OEHHA has adopted an oral cancer potency value for tertiary-butyl acetate, its chemical/biological properties do not fit the multipathway scheme. Therefore, non-inhalation pathway risks calculated from this value will be zero because the transfer factors are set to zero. Please contact OEHHA for more information. The values can be found at: https://oehha.ca.gov/air/crnr/notice-adoption-cancer-inhalation-unit-risk-and-slope-factors-and-cancer-oral-slope-factor • On September 6, 2019, OEHHA adopted new RELs for hexamethylene diisocyanate. The REL values and summary can be found at: https://oehha.ca.gov/air/crnr/notice-adoption-reference-exposure-levels-hexamethylene-diisocyanate. • On August 20, 2020, OEHHA adopted new and revised RELs for toluene. The REL values and summary can be found at: https://oehha.ca.gov/air/crnr/notice-adoption-reference-exposure-levels-toluene. • On October 2, 2020, OEHHA adopted a new inhalation URF for cobalt. The updated URF and summary can be found at: https://oehha.ca.gov/air/crnr/notice-adoption-cancer-inhalation-unit-risk-factors-cobalt-and-cobalt-compounds • On August 31, 2022, OEHHA adopted new RELs for trivalent chromium (CrIII). The REL values and summary can be found at: https://oehha.ca.gov/air/document/chromium-trivalent-inorganic-water-soluble-compounds-reference-exposure-levels-rels. • August 2022 [8/22] is listed to reflect the new pollutants that were added to Appendix A-1: Substances for Which Emissions Must be Quantified in the 2022 Emission Inventory Criteria Guidelines (https://ww2.arb.ca.gov/our-work/programs/ab-2588-air-toxics-hot-spots/hot-spots-inventory-guidelines). OEHHA was consulted to determine which existing health values may be applied to these new pollutants. Health values were added for 61 pollutants on August 31, 2022. OEHHA was also consulted on the appropriate MWAF, if applicable. • Selenium hexafluoride (7783-79-1): The health values for fluorides were applied to selenium hexafluoride. Selenium also has a set of health values; however, the Hot Spots Analysis and Reporting Program (HARP) software can only apply one set of health values for each pollutant. To account for the additional toxicity of selenium, the MWAF default is 1. • On December 9, 2022, OEHHA adopted a new inhalation cancer unit risk factor (URF) for 1-bromopropane. The URF and summary can be found at: https://oehha.ca.gov/air/crnr/notice-adoption-cancer-inhalation-unit-risk-and-slope-factors-1-bromopropane. • On April 28, 2023, OEHHA adopted new RELs for 1-bromopropane. The REL values and summary can be found at: https://oehha.ca.gov/air/crnr/notice-adoption-reference-exposure-levels-1-bromopropane. • On August 4, 2023, OEHHA adopted a revised cancer URF for cobalt sulfate heptahydrate and water-soluble cobalt compounds. The updated URF and summary can be found at: https://oehha.ca.gov/air/crnr/notice-adoption-revised-cancer-inhalation-unit-risk-factors-cobalt-sulfate-heptahydrate-and • On October 6, 2023, OEHHA adopted new RELs for trimethylbenzenes. The REL values and summary can be found at: https://oehha.ca.gov/air/crnr/notice-adoption-reference-exposure-levels-trimethylbenzenes
d	Inhalation cancer potency factor: The "unit risk factor" has been replaced in the new risk assessment algorithms by a factor called the "inhalation cancer potency factor". Inhalation cancer potency factors are expressed as units of inverse dose [i.e., (mg/kg-day)$^{-1}$]. They were derived from unit risk factors [units = (ug/m^3)$^{-1}$] by assuming that a receptor weighs 70 kilograms and breathes 20 cubic meters of air per day. The inhalation potency factor is used to calculate a potential inhalation cancer risk using the new risk assessment algorithms defined in the OEHHA, *Air Toxics Hot Spots Program; Technical Support Document for Exposure Assessment and Stochastic Analysis (August 2012)*. (https://oehha.ca.gov/media/downloads/crnr/exposureassessment2012tsd.pdf)
e	Molecular Weight Adjustment Factor: For most of the Hot Spots toxic metals, the OEHHA cancer potency factors and noncancer RELs apply to the weight of the toxic metal atom contained in the overall compound. Some of the Hot Spots compounds contain various elements along with the toxic metal atom (e.g., "Nickel hydroxide", CAS number 12054-48-7, has a formula of H2NiO2). Therefore, an adjustment to the reported pounds of the overall compound is needed before applying the OEHHA cancer potency factor and noncancer RELs for "Nickel and compounds" to such a compound. This ensures that the cancer potency factor and noncancer RELs are applied only to the fraction of the overall weight of the emissions that are associated with health effects of the metal. In other cases, the Hot Spots metals are already reported as the metal atom equivalent (e.g., CAS 7440-02-0, "Nickel"), and these cases do not use any further molecular weight adjustment. (Refer to Note [7] in Appendix A, List of Substances in the EICG Report for further information on how the emissions of various Hot Spots metal compounds are reported.) The appropriate molecular weight adjustment factors (MWAF) to be used along with the OEHHA cancer potency factors and noncancer RELs for Hot Spots metals can be found in the MWAF column of this table. So, for example, assume that 100 pounds of "Nickel hydroxide" emissions are reported under CAS number 12054-48-7. To get the Nickel atom equivalent of these emissions, multiply by the listed MWAF (0.6332) for Nickel hydroxide: • 100 pounds x 0.6332 = 63.32 pounds of Nickel atom equivalent. This step should be completed prior to applying the OEHHA cancer potency factor and noncancer RELs for "Nickel and compounds" in a calculation for a prioritization score or risk assessment calculation. (Note -The HARP software automatically applies the appropriate MWAF for each Hot Spots chemical (by CAS number), so the emissions should not be manually adjusted when using HARP. Therefore, if using HARP, you would use 100 pounds for Nickel hydroxide and HARP will make the MWAF adjustment for you. If not using HARP, you would use 63.32 pounds.) For more information on MWAF please refer to Section 4.2.1.1.1 of OEHHA's document *The Air Toxics Hot Spots Program Guidance Manual for the Preparation of Risk Assessments* (Guidance Manual) (February 2015). Note: The value listed in the MWAF column for Asbestos is not a molecular weight adjustment. This is a conversion factor for adjusting mass and fibers or structures. See Appendix C of OEHHA's Guidance Manual (February 2015) for more information on Asbestos reporting and risk assessment information or see the EICG report for reporting guidance. Also see the Asbestos footnote (designated by the letter f).
TAC	Toxic Air Contaminant: The Air Resources Board has identified this substance as a Toxic Air Contaminant. (https://ww2.arb.ca.gov/resources/documents/carb-identified-toxic-air-contaminants)

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f	Asbestos: The units for the Inhalation Cancer Potency factor for asbestos are $(100 \text{ PCM fibers/m}^3)^{-1}$. A conversion factor of 100 fibers/0.003 µg can be multiplied by a receptor concentration of asbestos expressed in $\mu g/m^3$. Unless other information necessary to estimate the concentration (fibers/m^3) of asbestos at receptors of interest is available. A unit risk factor of $1.9 \text{ E } 10^{-4}$ $(\mu g/m^3)^{-1}$ and an inhalation cancer potency factor of $2.2 \text{ E } 10^{+2}$ $(\text{mg/kg BW * day})^{-1}$ are available. For more information on asbestos quantity conversion factors, see Appendix F of OEHHA's *The Air Toxics Hot Spots Program Risk Assessment Guidelines; Part II; Technical Support Document for Cancer Potency Factors (May 2009)* (*https://oehha.ca.gov/air/crnr/technical-support-document-cancer-potency-factors-2009*), and Appendix C of OEHHA's Guidance Manual (February 2015) (https://oehha.ca.gov/air/crnr/notice-adoption-air-toxics-hot-spots-program-guidance-manual-preparation-health-risk-0).
g	Chromium 6 (Hexavalent Chromium): In July 2011, OEHHA developed the oral cancer slope factor for chromium 6+ and compounds for the California Public Health Goal in drinking water. As of February 2014, OEHHA states it should also be used for the Hot Spots program.
h	Lead, Inorganic: Inorganic Lead was identified by the Air Resources Board as a Toxic Air Contaminant in April 1997. Since information on noncancer health effects show no identified threshold, no Reference Exposure Level has been developed. The document, *Risk Management Guidelines for New, Modified, and Existing Sources of Lead, March 2001*, has been developed by ARB and OEHHA staff for assessing noncancer health impacts from sources of lead (https://ww2.arb.ca.gov/sites/default/files/classic/toxics/lead/mainandappend.pdf?_ga=2.97130777.765928880.1615842085-992278915.1615253163). See Appendix F of OEHHA's document *The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments (2003)* for an overview of how to evaluate noncancer impacts from exposure to lead using these risk management guidelines (https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf).
i	Particulate Emissions from Diesel-Fueled Engines: The inhalation cancer potency factor was derived from whole diesel exhaust and should be used only for impacts from the inhalation pathway (based on diesel PM measurements). The inhalation impacts from speciated emissions from diesel-fueled engines are already accounted for in the inhalation cancer potency factor. However, at the discretion of the risk assessor, speciated emissions from diesel-fueled engines may be used to estimate acute noncancer health impacts or the contribution to cancer risk or chronic noncancer health impacts for the non-inhalation exposure pathway. See Appendix D of OEHHA's document *The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments* (2003) for more information. The noncancer chronic REL for diesel exhaust is based on assumptions of contributions of diesel PM to ambient PM. It should be used with diesel PM measurement.
j	Cancer Potency Factors (CPFs) for unspeciated mixtures of Polychlorinated Biphenyls: High Risk: For use in cases where congeners with more than four chlorines comprise more than one-half percent of total polychlorinated biphenyls. Use as default CPF for Tier 1 assessments. Low Risk: This number would not ordinarily be used in the Hot Spots program. Lowest Risk: For use in cases where congeners with more than four chlorines comprise less than one-half percent of total polychlorinated biphenyls. As of February 2014, there is no approved method that can be used to assess the noncancer hazard of an unspeciated PCB mixture. Persons preparing HRAs for the Hot Spots Program should consult with OEHHA and the local Air Pollution Control or Air Quality Management District if an assessment of the noncancer hazard for unspeciated PCB mixtures is needed.
k	Polychlorinated Dibenzo-p-dioxins and Polychlorinated Dibenzofurans (also referred to as chlorinated dioxins and dibenzofurans) and dioxin-like PCB congeners: The OEHHA has adopted the World Health Organization 2005 (WHO-05) Toxicity Equivalency Factor scheme for evaluating the risk due to exposure to samples containing mixtures of polychlorinated dibenzo-p-dioxins (PCDD) and polychlorinated dibenzofurans (PCDF) and a number of dioxin-like PCB congeners. See Appendix A of OEHHA's *Technical Support Document for Describing Available Cancer Potency Factors* for more information about the scheme. See Appendix C (revised January 20, 2011) of OEHHA's Technical Support Document: Methodologies for Derivation, Listing of Available Values, and Adjustments to Allow for Early Life Exposures (2009) online at http://oehha.ca.gov/air/hot_spots/tsd052909.html for more information about the scheme. The two numbers (i.e., 1085 and 1086) in the column listing Chemical Abstracts Numbers are used for reporting and risk assessment purposes. Be sure to input emissions under the proper code when using the HARP software. ID code 1085 has no health values associated with it in the HARP software; therefore, no health impacts will be calculated when using ID 1085. See the Emissions Inventory Criteria and Guidelines for more information on reporting emissions.
l	Polycyclic Aromatic Hydrocarbons (PAHs): These substances are PAH or PAH-derivatives that have OEHHA-developed Potency Equivalency Factors (PEFs) which were approved by the Scientific Review Panel in April 1994 (see ARB document entitled *Benzo[a]pyrene as a Toxic Air Contaminant*). PAH inhalation slope factors listed here have been adjusted by the PEFs. See OEHHA's Technical Support Document: Methodologies for Derivation, Listing of Available Values, and Adjustments to Allow for Early Life Exposures (2009) for more information about the scheme. Section 8.2.3 and Appendix G of OEHHA's *The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments (2003)* also contains information on PAHs. The two numbers (i.e., 1150 and 1151) in the column listing Chemical Abstracts Numbers are used for reporting and risk assessment purposes. Be sure to input emissions under the proper code when using the HARP software. ID code 1150 has no health values associated with it in the HARP software; therefore, no health impacts will be calculated when using ID 1150. See the Emissions Inventory Criteria and Guidelines for more information on reporting emissions.
m	SELENIUM AND COMPOUNDS: In February 2014, an oral REL was added to the consolidated table. The REL was adopted in December 2001 but could not be used by the Hot Spots Program (or HARP software) until transfer factors for the oral and dermal routes were adopted. Transfer factors were included in the OEHHA's *Technical Support Document for Exposure Assessment and Stochastic Analysis* (August 2012) and were added to the HARP software in March 2015.
n	1,6-HEXAMETHYLENE DIISOCYANATE (HDI): On September 19, 2019, acute, 8-hour, and chronic RELs were added to the table and HARP for the HDI (monomer). OEHHA adopted these RELs and others for HDI polyisocyanates on September 6, 2019. The Acute, 8-hour, and chronic RELs for HDI polyisocyanates were added to the consolidated table and HARP on August 31, 2022.

N/A Not Applicable.

Other Changes:

- 10/18/2010, removed CHLORODIFLUOROMETHANE, which should have been removed in May 2008.

February 2014:

- Removed applicability of oleum to the sulfuric acid chronic inhalation REL because oleum represents only an acute health hazard.
- Removed “METHYL MERCURY (see Mercury & Compounds)” entry because methyl mercury has different chemical properties, potency, and toxicity compared to elemental mercury and mercury salts, and it is not emitted directly from any California facilities.
- September 1, 2017, changed the “1101 Fluorides” entry back to “1101 Fluorides and compounds” to keep the consistency with the Emission Inventory Guidelines. The substance name for CAS# 1101 was changed from “Fluorides and compounds” as in 2002 to “Fluorides” in 2003 without footnotes about the change.